

# LG

**MULTI V 5**

Heat Pump 220V  
R410A(50Hz/60Hz)  
6CVV0-01N (Replaces 6CVV0-01M)

# TOTAL HVAC SOLUTION PROVIDER

ENGINEERING PRODUCT DATA BOOK

# ***MULTI V***<sup>TM</sup> **5**

**General Information**

**Outdoor Units**

**Installation of Outdoor Units**

**Special Guide**

**Control System**






# ***MULTI V***™ **5**

## **General Information**

- 1. Model Line-up & External Appearance**
- 2. Combination of Outdoor Units**
- 3. Nomenclature**
- 4. Indoor Unit and Outdoor Unit Capacity Index**

# 1. Model Line-up & External Appearance

CHASSIS	Model Name	Model
UXA	ARUN100BTE5 ARUN120BTE5	
UXB	ARUN140BTE5 ARUN160BTE5 ARUN180BTE5 ARUN200BTE5 ARUN220BTE5 ARUN240BTE5 ARUN260BTE5	
UXA UXA	ARUN221BTE5 ARUN241BTE5	
UXB UXA	ARUN261BTE5 ARUN280BTE5 ARUN300BTE5 ARUN320BTE5 ARUN340BTE5 ARUN360BTE5	
UXB UXB	ARUN380BTE5 ARUN400BTE5 ARUN420BTE5 ARUN440BTE5 ARUN460BTE5 ARUN480BTE5	
UXB UXB UXA	ARUN500BTE5 ARUN520BTE5 ARUN540BTE5 ARUN560BTE5 ARUN580BTE5 ARUN600BTE5	
UXB UXB UXB	ARUN620BTE5 ARUN640BTE5 ARUN660BTE5 ARUN680BTE5 ARUN700BTE5 ARUN720BTE5	
UXB UXB UXB UXA	ARUN740BTE5 ARUN760BTE5 ARUN780BTE5 ARUN800BTE5 ARUN820BTE5 ARUN840BTE5	
UXB UXB UXB UXB	ARUN860BTE5 ARUN880BTE5 ARUN900BTE5 ARUN920BTE5 ARUN940BTE5 ARUN960BTE5	

## 2. Combination of Outdoor Units

Model Name	Number of Units	Module(HP)								
		10	12	14	16	18	20	22	24	26
ARUN100BTE5	1	1								
ARUN120BTE5	1		1							
ARUN140BTE5	1			1						
ARUN160BTE5	1				1					
ARUN180BTE5	1					1				
ARUN200BTE5	1						1			
ARUN220BTE5	1							1		
ARUN240BTE5	1								1	
ARUN260BTE5	1									1
ARUN221BTE5	2	1	1							
ARUN241BTE5	2		2							
ARUN261BTE5	2		1	1						
ARUN280BTE5	2		1		1					
ARUN300BTE5	2		1			1				
ARUN320BTE5	2		1				1			
ARUN340BTE5	2		1					1		
ARUN360BTE5	2		1						1	
ARUN380BTE5	2			1					1	
ARUN400BTE5	2				1				1	
ARUN420BTE5	2					1			1	
ARUN440BTE5	2						1		1	
ARUN460BTE5	2							1	1	
ARUN480BTE5	2								2	
ARUN500BTE5	3		1	1					1	
ARUN520BTE5	3		1		1				1	
ARUN540BTE5	3		1			1			1	
ARUN560BTE5	3		1				1		1	
ARUN580BTE5	3		1					1	1	
ARUN600BTE5	3		1						2	
ARUN620BTE5	3			1					2	
ARUN640BTE5	3				1				2	
ARUN660BTE5	3					1			2	
ARUN680BTE5	3						1		2	
ARUN700BTE5	3							1	2	
ARUN720BTE5	3								3	
ARUN740BTE5	4		1	1					2	
ARUN760BTE5	4		1		1				2	
ARUN780BTE5	4		1			1			2	
ARUN800BTE5	4		1				1		2	
ARUN820BTE5	4		1					1	2	
ARUN840BTE5	4		1						3	
ARUN860BTE5	4			1					3	
ARUN880BTE5	4				1				3	
ARUN900BTE5	4					1			3	
ARUN920BTE5	4						1		3	
ARUN940BTE5	4							1	3	
ARUN960BTE5	4								4	

### 3. Nomenclature

<b>Model Name</b>	<b>ARU</b>	<b>N</b>	<b>100</b>	<b>B</b>	<b>T</b>	<b>E</b>	<b>5</b>
No.	1	2	3	4	5	6	7

No.	Signification
1	<b>Multi V System with Outdoor Unit using R410A</b> ARU : Global line-up
2	<b>Combination of Inverter Type and Cooling Only, Heat Pump or Heat Recovery</b> N : Inverter, Heat Pump
3	<b>Total Cooling capacity in Horse Power(HP) unit</b> EX) 8HP → '080' 10HP → '100'
4	<b>Electrical Ratings</b> B : 3Ø, 220-240 V, 50 Hz / 3Ø, 220V, 60 Hz
5	<b>Air Discharge Type</b> T : Top Discharge
6	<b>Efficiency</b> E : High Efficiency
7	<b>Serial Number</b>

## 4. Indoor Unit and Outdoor Unit Capacity Index

### 4.1 Indoor Unit Selection

See the indoor unit capacity tables for given Indoor and Outdoor temperature

Select the unit whose capacity is the nearest to or bigger than given load.

#### Note

Individual Indoor Unit capacity is subject to change by combination. Actual capacity has to be calculated according to the combination by using Outdoor unit capacity table.

### 4.2 Outdoor Unit Selection

Allowable combinations are indicated below. In general, outdoor unit can be selected depending on the location of the unit, zoning and usage of the rooms.

The indoor and outdoor unit combination is determined by comparing the sum of indoor unit capacity index with each Outdoor Unit. It is recommended to be the nearest to 100% combination ratio or to be smaller than that. Refer the table below. To manage cooling/heating load properly, it's better to be selected the bigger capacity outdoor unit rather than the nearest, if the installation space is large enough.

#### ■ Allowable Total Capacity Index Table of Combined Indoor Units

Outdoor Unit Capacity(HP)	Indoor Unit Combination Ratio										
	50%	60%	70%	80%	90%	100%	110%	120%	130%	160%	200%
10	14.0	16.8	19.6	22.4	25.2	28.0	30.8	33.6	36.4	44.8	56.0
12	16.8	20.2	23.5	26.9	30.2	33.6	37.0	40.3	43.7	53.8	67.2
14	19.6	23.5	27.4	31.4	35.3	39.2	43.1	47.0	51.0	62.7	78.4
16	22.4	26.9	31.4	35.8	40.3	44.8	49.3	53.8	58.2	71.7	89.6
18	25.2	30.2	35.3	40.3	45.4	50.4	55.4	60.5	65.5	80.6	100.8
20	28.0	33.6	39.2	44.8	50.4	56.0	61.6	67.2	72.8	89.6	112.0
22	30.8	37.0	43.1	49.3	55.4	61.6	67.8	73.9	80.1	98.6	123.2
24	33.6	40.3	47.0	53.8	60.5	67.2	73.9	80.6	87.4	107.5	134.4
26	36.4	43.7	51.0	58.2	65.5	72.8	80.1	87.4	94.6	116.5	145.6
22'	30.8	37.0	43.1	49.3	55.4	61.6	67.8	73.9	80.1	98.6	-
24'	33.6	40.3	47.0	53.8	60.5	67.2	73.9	80.6	87.4	107.5	-
26'	36.4	43.7	51.0	58.2	65.5	72.8	80.1	87.4	94.6	116.5	-
28	39.2	47.0	54.9	62.7	70.6	78.4	86.2	94.1	101.9	125.4	-
30	42.0	50.4	58.8	67.2	75.6	84.0	92.4	100.8	109.2	134.4	-
32	44.8	53.8	62.7	71.7	80.6	89.6	98.6	107.5	116.5	143.4	-
34	47.6	57.1	66.6	76.2	85.7	95.2	104.7	114.2	123.8	152.3	-
36	50.4	60.5	70.6	80.6	90.7	100.8	110.9	121.0	131.0	161.3	-
38	53.2	63.8	74.5	85.1	95.8	106.4	117.0	127.7	138.3	170.2	-
40	56.0	67.2	78.4	89.6	100.8	112.0	123.2	134.4	145.6	179.2	-
42	58.8	70.6	82.3	94.1	105.8	117.6	129.4	141.1	152.9	188.2	-
44	61.6	73.9	86.2	98.6	110.9	123.2	135.5	147.8	160.2	197.1	-
46	64.4	77.3	90.2	103.0	115.9	128.8	141.7	154.6	167.4	206.1	-
48	67.2	80.6	94.1	107.5	121.0	134.4	147.8	161.3	174.7	215.0	-
50	70.0	84.0	98.0	112.0	126.0	140.0	154.0	168.0	182.0	-	-
52	72.8	87.4	101.9	116.5	131.0	145.6	160.2	174.7	189.3	-	-
54	75.6	90.7	105.8	121.0	136.1	151.2	166.3	181.4	196.6	-	-
56	78.4	94.1	109.8	125.4	141.1	156.8	172.5	188.2	203.8	-	-
58	81.2	97.4	113.7	129.9	146.2	162.4	178.6	194.9	211.1	-	-
60	84.0	100.8	117.6	134.4	151.2	168.0	184.8	201.6	218.4	-	-
62	86.8	104.2	121.5	138.9	156.2	173.6	191.0	208.3	225.7	-	-
64	89.6	107.5	125.4	143.4	161.3	179.2	197.1	215.0	233.0	-	-

## 4. Indoor Unit and Outdoor Unit Capacity Index

Outdoor Unit Capacity(HP)	Indoor Unit Combination Ratio										
	50%	60%	70%	80%	90%	100%	110%	120%	130%	160%	200%
66	92.4	110.9	129.4	147.8	166.3	184.8	203.3	221.8	240.2	-	-
68	95.2	114.2	133.3	152.3	171.4	190.4	209.4	228.5	247.5	-	-
70	98.0	117.6	137.2	156.8	176.4	196.0	215.6	235.2	254.8	-	-
72	100.8	121.0	141.1	161.3	181.4	201.6	221.8	241.9	262.1	-	-
74	103.6	124.3	145.0	165.8	186.5	207.2	227.9	248.6	269.4	-	-
76	106.4	127.7	149.0	170.2	191.5	212.8	234.1	255.4	276.6	-	-
78	109.2	131.0	152.9	174.7	196.6	218.4	240.2	262.1	283.9	-	-
80	112.0	134.4	156.8	179.2	201.6	224.0	246.4	268.8	291.2	-	-
82	114.8	137.8	160.7	183.7	206.6	229.6	252.6	275.5	298.5	-	-
84	117.6	141.1	164.6	188.2	211.7	235.2	258.7	282.2	305.8	-	-
86	120.4	144.5	168.6	192.6	216.7	240.8	264.9	289.0	313.0	-	-
88	123.2	147.8	172.5	197.1	221.8	246.4	271.0	295.7	320.3	-	-
90	126.0	151.2	176.4	201.6	226.8	252.0	277.2	302.4	327.6	-	-
92	128.8	154.6	180.3	206.1	231.8	257.6	283.4	309.1	334.9	-	-
94	131.6	157.9	184.2	210.6	236.9	263.2	289.5	315.8	342.2	-	-
96	134.4	161.3	188.2	215.0	241.9	268.8	295.7	322.6	349.4	-	-

† : 2 unit combination models

\* Capacity Index is same as the capacity(kW).

### INDOOR UNIT CAPACITY INDEX

Unit Capacity (Btu/h)	5k	7k	9k	12k	15k	18k	21k	24k	28k	30k	36k	42k	48k	54k	60k	76k	96k
Capacity Index	1.6	2.2	2.8	3.6	4.5	5.6	6.2	7.1	8.2	9.0	10.6	12.3	14.1	15.8	17.5	22.4	28.0

\* Capacity Index is same as the capacity(kW).

### CAUTION

#### ◆ Combination Ratio(50~200%)

Number of Outdoor units	Combination Ratio
Single Unit	200%
Two Units combination	160%
Three or more Units combination	130%

#### Notes:

- We can guarantee the operation only within 130% Combination Ratio.**  
If you want to connect more than 130% combination Ratio, please contact us and discuss the requirement.
- In case that operating indoor units ratio to rated capacity of outdoor unit is more than 130%, the airflow should be operated as low step in the all indoor units.**

# **MULTI V<sup>TM</sup> 5**

## **Outdoor Units**

- 1. Specifications**
- 2. Dimensions**
- 3. Piping Diagrams**
- 4. Wiring Diagrams**
- 5. Field Wiring**
- 6. Electric Characteristics**
- 7. Capacity Tables**
- 8. Capacity Correction Factor**
- 9. Operation Limits**
- 10. Sound Levels**
- 11. Accessories**

# 1. Specifications

HP			10
Model Name	Combination Unit		ARUN100BTE5
	Independent Unit		ARUN100BTE5
Capacity	Cooling (Rated)	kW	28.0
		Btu/h	95,500
	Heating (Rated.)	kW	31.5
		Btu/h	107,500
Input	Cooling (Rated)	kW	6.01
	Heating (Rated)	kW	6.08
EER (Rated)			4.66
COP (Rated)			5.18
Power Factor	Rated	-	0.93
Exterior	Color		Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1
	Number of Revolution	rev/min	3,600
	Motor Output x Number	W x No.	5,300 × 1
	Starting Method		Inverter
	Oil Type		FW68D(PVE)
Fan	Type		Propeller fan
	Motor Output x Number	W	1,200 × 1
	Air Flow Rate(High)	m <sup>3</sup> /min	240 × 1
		ft <sup>3</sup> /min	8,476 × 1
	External Static Pressure (Max, Pa)		80
	Drive		DC INVERTER
Pipe Connctions	Discharge	Side / Top	TOP
	Liquid	mm(inch)	9.52(3/8)
	Gas	mm(inch)	22.2(7/8)
Dimensions(W x H x D)		mm	(930 × 1,690 × 760) × 1
		inch	(36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	188 × 1
		lbs	414 × 1
Sound Pressure Level	Cooling	dB(A)	58.0
	Heating	dB(A)	59.0
Sound Power Level	Cooling	dB(A)	78.0
	Heating	dB(A)	79.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch
	Compressor/Fan		Over-heat protection / Fan driver overload protector
	Inverter		Over-heat protection / Over-current protection
Communication Cable (VCTF-SB)		No. xmm <sup>2</sup>	2C × 1.0 ~ 1.5

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A</sup>(A1/10)+ ... +10<sup>A</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)



# 1. Specifications

HP			10
Model Name	Combination Unit		ARUN100BTE5
	Independent Unit		ARUN100BTE5
Refrigerant	Refrigerant name		R410A
	Precharged Amount	kg	10.0
		lbs	22.0
	t-CO <sub>2</sub> eq		20.9
Control		Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	
		220, 3, 60	
Number of maximum connectable indoor units			16(25)

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Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			12	14
Model Name	Combination Unit		ARUN120BTE5	ARUN140BTE5
	Independent Unit		ARUN120BTE5	ARUN140BTE5
Capacity	Cooling (Rated)	kW	33.6	39.2
		Btu/h	114,600	133,800
	Heating (Rated.)	kW	37.8	44.1
		Btu/h	129,000	150,500
Input	Cooling (Rated)	kW	8.16	9.40
	Heating (Rated)	kW	8.40	10.18
EER (Rated)			4.12	4.17
COP (Rated)			4.50	4.33
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1	62.1
	Number of Revolution	rev/min	3,600	3,600
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	1,200 × 1	900 × 2
	Air Flow Rate(High)	m <sup>3</sup> /min	240 × 1	320 × 1
		ft <sup>3</sup> /min	8,476 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	12.7(1/2)	12.7(1/2)
	Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
		inch	(36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	188 × 1	220 × 1
		lbs	414 × 1	485 × 1
Sound Pressure Level	Cooling	dB(A)	59.0	60.0
	Heating	dB(A)	60.0	61.0
Sound Power Level	Cooling	dB(A)	79.0	82.0
	Heating	dB(A)	80.0	84.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		12	14
Model Name	Combination Unit	ARUN120BTE5	ARUN140BTE5
	Independent Unit	ARUN120BTE5	ARUN140BTE5
Refrigerant	Refrigerant name		R410A
	Precharged Amount	kg	10.0
		lbs	22.0
	t-CO <sub>2</sub> eq		20.9
Control		Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50
		220, 3, 60	220, 3, 60
Number of maximum connectable indoor units		20(30)	23(35)

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Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
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  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			16	18
Model Name	Combination Unit		ARUN160BTE5	ARUN180BTE5
	Independent Unit		ARUN160BTE5	ARUN180BTE5
Capacity	Cooling (Rated)	kW	44.8	50.4
		Btu/h	152,900	172,000
	Heating (Rated.)	kW	50.4	56.7
		Btu/h	172,000	193,500
Input	Cooling (Rated)	kW	11.14	11.30
	Heating (Rated)	kW	12.09	12.63
EER (Rated)			4.02	4.46
COP (Rated)			4.17	4.49
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1	62.1 × 1 + 43.8 × 1
	Number of Revolution	rev/min	3,600	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1 + 4,200 × 1
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 2	900 × 2
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 1	320 × 1
		ft <sup>3</sup> /min	11,301 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	12.7(1/2)	15.88(5/8)
	Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight	kg		220 × 1	260 × 1
	lbs		485 × 1	573 × 1
Sound Pressure Level	Cooling	dB(A)	60.5	61.0
	Heating	dB(A)	61.5	62.0
Sound Power Level	Cooling	dB(A)	83.0	85.0
	Heating	dB(A)	85.0	86.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		16	18	
Model Name	Combination Unit	ARUN160BTE5	ARUN180BTE5	
	Independent Unit	ARUN160BTE5	ARUN180BTE5	
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount	kg	13.0	13.0
		lbs	28.7	28.7
	t-CO <sub>2</sub> eq		27.1	27.1
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		26(40)	29(45)	

### Note

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- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			20	22
Model Name	Combination Unit		ARUN200BTE5	ARUN220BTE5
	Independent Unit		ARUN200BTE5	ARUN220BTE5
Capacity	Cooling (Rated)	kW	56.0	61.6
		Btu/h	191,100	210,200
	Heating (Rated.)	kW	63.0	69.3
		Btu/h	215,000	236,500
Input	Cooling (Rated)	kW	12.87	15.36
	Heating (Rated)	kW	16.07	18.19
EER (Rated)			4.35	4.01
COP (Rated)			3.92	3.81
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 2	62.1 × 2
	Number of Revolution	rev/min	3,600 × 2	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 2	900 × 2
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 1	320 × 1
		ft <sup>3</sup> /min	11,301 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	15.88(5/8)	15.88(5/8)
	Gas	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	274 × 1	274 × 1
		lbs	604 × 1	604 × 1
Sound Pressure Level	Cooling	dB(A)	62.0	64.5
	Heating	dB(A)	64.5	65.5
Sound Power Level	Cooling	dB(A)	86.0	86.0
	Heating	dB(A)	87.0	88.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		20	22
Model Name	Combination Unit	ARUN200BTE5	ARUN220BTE5
	Independent Unit	ARUN200BTE5	ARUN220BTE5
Refrigerant	Refrigerant name		R410A
	Precharged Amount	kg	14.0
		lbs	30.9
	t-CO <sub>2</sub> eq		29.2
Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50
		220, 3, 60	220, 3, 60
Number of maximum connectable indoor units		32(50)	35(56)

### Note

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- Power factor could vary less than  $\pm 1\%$  according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			24	26
Model Name	Combination Unit		ARUN240BTE5	ARUN260BTE5
	Independent Unit		ARUN240BTE5	ARUN260BTE5
Capacity	Cooling (Rated)	kW	67.2	72.8
		Btu/h	229,300	248,400
	Heating (Rated.)	kW	74.3	74.3
		Btu/h	253,400	253,400
Input	Cooling (Rated)	kW	17.36	20.22
	Heating (Rated)	kW	19.54	20.29
EER (Rated)			3.87	3.60
COP (Rated)			3.80	3.66
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 2	62.1 × 2
	Number of Revolution	rev/min	3,600 × 2	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 2	900 × 2
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 1	320 × 1
		ft <sup>3</sup> /min	11,301 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	15.88(5/8)	19.05(3/4)
	Gas	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	276 × 1	276 × 1
		lbs	608 × 1	608 × 1
Sound Pressure Level	Cooling	dB(A)	65.0	65.0
	Heating	dB(A)	67.0	67.0
Sound Power Level	Cooling	dB(A)	88.0	88.0
	Heating	dB(A)	90.0	90.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)



# 1. Specifications

HP		24	26
Model Name	Combination Unit	ARUN240BTE5	ARUN260BTE5
	Independent Unit	ARUN240BTE5	ARUN260BTE5
Refrigerant	Refrigerant name		R410A
	Precharged Amount	kg	16.0
		lbs	35.3
	t-CO <sub>2</sub> eq		33.4
Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50
		220, 3, 60	220, 3, 60
Number of maximum connectable indoor units		39(61)	42(64)

### Note

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- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			22	24
Model Name	Combination Unit		ARUN221BTE5	ARUN241BTE5
	Independent Unit		ARUN120BTE5	ARUN120BTE5
			ARUN100BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	61.6	67.2
		Btu/h	210,100	229,200
	Heating (Rated.)	kW	69.3	75.6
		Btu/h	236,500	258,000
Input	Cooling (Rated)	kW	14.2	16.31
	Heating (Rated)	kW	14.5	16.80
EER (Rated)			4.35	4.12
COP (Rated)			4.79	4.50
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 2	62.1 × 2
	Number of Revolution	rev/min	3,600 × 2	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(1,200 × 1) + (1,200 × 1)	(1,200 × 1) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(240 × 1) + (240 × 1)	(240 × 1) + (240 × 1)
		ft <sup>3</sup> /min	(8,476 × 1) + (8,476 × 1)	(8,476 × 1) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	15.88(5/8)	15.88(5/8)
	Gas	mm(inch)	28.58(1-1/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(930 × 1,690 × 760) × 2	(930 × 1,690 × 760) × 2
		inch	(36-5/8 × 66-17/32 × 29-29/32) × 2	(36-5/8 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	188 × 2	188 × 2
		lbs	414 × 2	414 × 2
Sound Pressure Level	Cooling	dB(A)	61.5	62.0
	Heating	dB(A)	62.5	63.0
Sound Power Level	Cooling	dB(A)	81.5	82.0
	Heating	dB(A)	82.5	83.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		22	24
Model Name	Combination Unit	ARUN221BTE5	ARUN241BTE5
	Independent Unit	ARUN120BTE5	ARUN120BTE5
		ARUN100BTE5	ARUN120BTE5
Refrigerant	Refrigerant name		R410A
	Precharged Amount	kg	10.0 + 10.0
		lbs	22.0 + 22.0
	t-CO <sub>2</sub> eq		41.8
Control		Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50
		220, 3, 60	220, 3, 60
Number of maximum connectable indoor units		35(44)	39(48)

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			26	28
Model Name	Combination Unit		ARUN261BTE5	ARUN280BTE5
	Independent Unit		ARUN140BTE5	ARUN160BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	72.8	78.4
		Btu/h	248,400	267,500
	Heating (Rated.)	kW	81.9	88.2
		Btu/h	279,500	301,000
Input	Cooling (Rated)	kW	17.56	19.30
	Heating (Rated)	kW	18.58	20.49
EER (Rated)			4.15	4.06
COP (Rated)			4.41	4.31
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 2	62.1 × 2
	Number of Revolution	rev/min	3,600 × 2	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight	kg		(220 × 1) + (188 × 1)	(220 × 1) + (188 × 1)
	lbs		(485 × 1) + (414 × 1)	(485 × 1) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	62.5	62.8
	Heating	dB(A)	63.5	63.8
Sound Power Level	Cooling	dB(A)	83.8	84.5
	Heating	dB(A)	85.5	86.2
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			26	28
Model Name	Combination Unit		ARUN261BTE5	ARUN280BTE5
	Independent Unit		ARUN140BTE5	ARUN160BTE5
			ARUN120BTE5	ARUN120BTE5
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount	kg	13.0 + 10.0	13.0 + 10.0
		lbs	28.7 + 22.0	28.7 + 22.0
	t-CO <sub>2</sub> eq		48.0	48.0
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply		V, Ø, Hz	220-240, 3, 50	220-240, 3, 50
			220, 3, 60	220, 3, 60
Number of maximum connectable indoor units			42(52)	45(56)
<b>Note</b>				
<ol style="list-style-type: none"> <li>Due to our policy of innovation some specifications may be changed without notification.</li> <li>Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.</li> <li>Power factor could vary less than ±1% according to the operating conditions.</li> <li>Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.</li> <li>Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.</li> <li>Performances are based on the following conditions : <ul style="list-style-type: none"> <li>*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul> </li> <li>*** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.</li> <li>This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)</li> </ol>				

# 1. Specifications

HP			30	32
Model Name	Combination Unit		ARUN300BTE5	ARUN320BTE5
	Independent Unit		ARUN180BTE5	ARUN200BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	84.0	89.6
		Btu/h	286,600	305,700
	Heating (Rated.)	kW	94.5	100.8
		Btu/h	322,500	344,000
Input	Cooling (Rated)	kW	19.46	21.03
	Heating (Rated)	kW	21.03	24.47
EER (Rated)			4.32	4.26
COP (Rated)			4.49	4.12
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	(62.1 × 2) + (43.8 × 1)	(62.1 × 2) + (43.8 × 1)
	Number of Revolution	rev/min	3,600 × 3	3,600 × 3
	Motor Output x Number	W x No.	(5,300 × 2) + (4,200 × 1)	(5,300 × 2) + (4,200 × 1)
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(260 × 1) + (188 × 1)	(274 × 1) + (188 × 1)
		lbs	(573 × 1) + (414 × 1)	(604 × 1) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	63.1	63.8
	Heating	dB(A)	64.1	65.8
Sound Power Level	Cooling	dB(A)	86.0	86.8
	Heating	dB(A)	87.0	87.8
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			30	32
Model Name	Combination Unit		ARUN300BTE5	ARUN320BTE5
	Independent Unit		ARUN180BTE5	ARUN200BTE5
			ARUN120BTE5	ARUN120BTE5
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount	kg	13.0 + 10.0	14.0 + 10.0
		lbs	28.7 + 22.0	30.9 + 22.0
	t-CO <sub>2</sub> eq		48.0	50.1
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply		V, Ø, Hz	220-240, 3, 50 220, 3, 60	220-240, 3, 50 220, 3, 60
Number of maximum connectable indoor units			49(60)	52(64)
<b>Note</b>				
<ol style="list-style-type: none"> <li>Due to our policy of innovation some specifications may be changed without notification.</li> <li>Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.</li> <li>Power factor could vary less than ±1% according to the operating conditions.</li> <li>Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.</li> <li>Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.</li> <li>Performances are based on the following conditions : <ul style="list-style-type: none"> <li>*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul> </li> <li>*** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.</li> <li>This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)</li> </ol>				

# 1. Specifications

HP			34	36
Model Name	Combination Unit		ARUN340BTE5	ARUN360BTE5
	Independent Unit		ARUN220BTE5	ARUN240BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	95.2	100.8
		Btu/h	324,800	343,900
	Heating (Rated.)	kW	107.1	112.1
		Btu/h	365,500	382,400
Input	Cooling (Rated)	kW	23.52	25.52
	Heating (Rated)	kW	26.59	27.94
EER (Rated)			4.05	3.95
COP (Rated)			4.03	4.01
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 3	62.1 × 3
	Number of Revolution	rev/min	3,600 × 3	3,600 × 3
	Motor Output x Number	W x No.	5,300 × 3	5,300 × 3
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	34.9(1-3/8)	41.3(1-5/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight	kg		(274 × 1) + (188 × 1)	(276 × 1) + (188 × 1)
	lbs		(604 × 1) + (414 × 1)	(608 × 1) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	65.6	66.0
	Heating	dB(A)	66.6	67.8
Sound Power Level	Cooling	dB(A)	86.8	88.5
	Heating	dB(A)	88.6	90.4
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)



# 1. Specifications

HP		34	36	
Model Name	Combination Unit	ARUN340BTE5	ARUN360BTE5	
	Independent Unit	ARUN220BTE5	ARUN240BTE5	
		ARUN120BTE5	ARUN120BTE5	
Communication Cable (VCTF-SB)	No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount	kg	14.0 + 10.0	16.0 + 10.0
		lbs	30.9 + 22.0	35.3 + 22.0
	t-CO <sub>2</sub> eq		50.1	54.3
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		55(64)	58(64)	

**Note**

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			38	40
Model Name	Combination Unit		ARUN380BTE5	ARUN400BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN140BTE5	ARUN160BTE5
Capacity	Cooling (Rated)	kW	106.4	112.0
		Btu/h	363,100	382,200
	Heating (Rated.)	kW	118.4	124.7
		Btu/h	403,900	425,400
Input	Cooling (Rated)	kW	26.76	28.51
	Heating (Rated)	kW	29.73	31.63
EER (Rated)			3.98	3.93
COP (Rated)			3.98	3.94
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 3	62.1 × 3
	Number of Revolution	rev/min	3,600 × 3	3,600 × 3
	Motor Output x Number	W x No.	5,300 × 3	5,300 × 3
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 4	900 × 4
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 2	320 × 2
		ft <sup>3</sup> /min	11,301 × 2	11,301 × 2
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(276 × 1) + (220 × 1)	(276 × 1) + (220 × 1)
		lbs	(608 × 1) + (485 × 1)	(608 × 1) + (485 × 1)
Sound Pressure Level	Cooling	dB(A)	66.2	66.3
	Heating	dB(A)	68.0	68.1
Sound Power Level	Cooling	dB(A)	89.0	89.2
	Heating	dB(A)	91.0	91.2
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		38	40
Model Name	Combination Unit	ARUN380BTE5	ARUN400BTE5
	Independent Unit	ARUN240BTE5	ARUN240BTE5
		ARUN140BTE5	ARUN160BTE5
Refrigerant	Refrigerant name	R410A	R410A
	Precharged Amount	kg	16.0 + 13.0
		lbs	35.3 + 28.7
	t-CO <sub>2</sub> eq	60.5	60.5
Control	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50
		220, 3, 60	220, 3, 60
Number of maximum connectable indoor units		61(64)	64

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			42	44
Model Name	Combination Unit		ARUN420BTE5	ARUN440BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN180BTE5	ARUN200BTE5
Capacity	Cooling (Rated)	kW	117.6	123.2
		Btu/h	401,300	420,400
	Heating (Rated.)	kW	131.0	137.3
		Btu/h	446,900	468,400
Input	Cooling (Rated)	kW	28.66	30.24
	Heating (Rated)	kW	32.17	35.61
EER (Rated)			4.10	4.07
COP (Rated)			4.07	3.85
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	(62.1 × 3) + (43.8 × 1)	62.1 × 4
	Number of Revolution	rev/min	3,600 × 4	3,600 × 4
	Motor Output x Number	W x No.	(5,300 × 3) + (4,200 × 1)	5,300 × 4
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 4	900 × 4
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 2	320 × 2
		ft <sup>3</sup> /min	11,301 × 2	11,301 × 2
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight	kg		(276 × 1) + (260 × 1)	(276 × 1) + (274 × 1)
	lbs		(608 × 1) + (573 × 1)	(608 × 1) + (604 × 1)
Sound Pressure Level	Cooling	dB(A)	66.5	66.8
	Heating	dB(A)	68.2	68.9
Sound Power Level	Cooling	dB(A)	89.8	90.1
	Heating	dB(A)	91.5	91.8
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		42	44
Model Name	Combination Unit	ARUN420BTE5	ARUN440BTE5
	Independent Unit	ARUN240BTE5	ARUN240BTE5
		ARUN180BTE5	ARUN200BTE5
Refrigerant	Refrigerant name	R410A	R410A
	Precharged Amount	kg	16.0 + 13.0
		lbs	35.3 + 28.7
	t-CO <sub>2</sub> eq	60.5	62.6
Control	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50
		220, 3, 60	220, 3, 60
Number of maximum connectable indoor units		64	64

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			46	48
Model Name	Combination Unit		ARUN460BTE5	ARUN480BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN220BTE5	ARUN240BTE5
Capacity	Cooling (Rated)	kW	128.8	134.4
		Btu/h	439,500	458,600
	Heating (Rated.)	kW	143.6	148.5
		Btu/h	489,900	506,800
Input	Cooling (Rated)	kW	32.73	34.73
	Heating (Rated)	kW	37.73	39.08
EER (Rated)			3.94	3.87
COP (Rated)			3.80	3.80
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 4	62.1 × 4
	Number of Revolution	rev/min	3,600 × 4	3,600 × 4
	Motor Output x Number	W x No.	5,300 × 4	5,300 × 4
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 4	900 × 4
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 2	320 × 2
		ft <sup>3</sup> /min	11,301 × 2	11,301 × 2
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight	kg		(276 × 1) + (274 × 1)	276 × 2
	lbs		(608 × 1) + (604 × 1)	608 × 2
Sound Pressure Level	Cooling	dB(A)	67.8	68.0
	Heating	dB(A)	69.3	70.0
Sound Power Level	Cooling	dB(A)	90.1	91.0
	Heating	dB(A)	92.1	93.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

### Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		46	48	
Model Name	Combination Unit	ARUN460BTE5	ARUN480BTE5	
	Independent Unit	ARUN240BTE5	ARUN240BTE5	
		ARUN220BTE5	ARUN240BTE5	
Refrigerant	Refrigerant name	R410A	R410A	
	Precharged Amount	kg	16.0 + 14.0	16.0 + 16.0
		lbs	35.3 + 30.9	35.3 + 35.3
	t-CO <sub>2</sub> eq	62.6	66.8	
Control	Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		64	64	
<b>Note</b>				
<p>1. Due to our policy of innovation some specifications may be changed without notification.</p> <p>2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.</p> <p>3. Power factor could vary less than ±1% according to the operating conditions.</p> <p>4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.</p> <p>5. Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10<sup>A1</sup>/10 + ... + 10<sup>An</sup>/10] , A1~An means sound values of independent models.</p> <p>6. Performances are based on the following conditions :</p> <ul style="list-style-type: none"> <li>• *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>• *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>• Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul> <p>7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.</p> <p>8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)</p>				

# 1. Specifications

HP			50	52
Model Name	Combination Unit		ARUN500BTE5	ARUN520BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN140BTE5	ARUN160BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	140.0	145.6
		Btu/h	477,700.0	496,800.0
	Heating (Rated.)	kW	156.2	162.5
		Btu/h	532,900.0	554,400.0
Input	Cooling (Rated)	kW	34.92	36.66
	Heating (Rated)	kW	38.13	40.03
EER (Rated)			4.01	3.97
COP (Rated)			4.10	4.06
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 4	62.1 × 4
	Number of Revolution	rev/min	3,600 × 4	3,600 × 4
	Motor Output x Number	W x No.	5,300 × 4	5,300 × 4
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 1) + (220 × 1) + (188 × 1)	(276 × 1) + (220 × 1) + (188 × 1)
		lbs	(608 × 1) + (485 × 1) + (414 × 1)	(608 × 1) + (485 × 1) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	67.0	67.1
	Heating	dB(A)	68.6	68.7
Sound Power Level	Cooling	dB(A)	89.4	89.6
	Heating	dB(A)	91.3	91.5
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)



# 1. Specifications

HP			50	52
Model Name	Combination Unit		ARUN500BTE5	ARUN520BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN140BTE5	ARUN160BTE5
			ARUN120BTE5	ARUN120BTE5
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount		kg	16.0 + 13.0 + 10.0
			lbs	35.3 + 28.7 + 22.0
	t-CO <sub>2</sub> eq		81.4	81.4
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply		V, Ø, Hz	220-240, 3, 50	220-240, 3, 50
			220, 3, 60	220, 3, 60
Number of maximum connectable indoor units			64	64
<b>Note</b>				
<p>1. Due to our policy of innovation some specifications may be changed without notification.</p> <p>2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.</p> <p>3. Power factor could vary less than ±1% according to the operating conditions.</p> <p>4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.</p> <p>5. Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.</p> <p>6. Performances are based on the following conditions :</p> <ul style="list-style-type: none"> <li>• *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>• *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>• Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul> <p>7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.</p> <p>8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)</p>				

# 1. Specifications

HP			54	56
Model Name	Combination Unit		ARUN540BTE5	ARUN560BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN180BTE5	ARUN200BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	151.2	156.8
		Btu/h	515,900.0	535,000.0
	Heating (Rated.)	kW	168.8	175.1
		Btu/h	575,900.0	597,400.0
Input	Cooling (Rated)	kW	36.82	38.39
	Heating (Rated)	kW	40.57	44.01
EER (Rated)			4.11	4.08
COP (Rated)			4.16	3.98
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	(62.1 × 4) + (43.8 × 1)	62.1 × 5
	Number of Revolution	rev/min	3,600 × 5	3,600 × 5
	Motor Output x Number	W x No.	(5,300 × 4) + (4,200 × 1)	5,300 × 5
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 1) + (260 × 1) + (188 × 1)	(276 × 1) + (274 × 1) + (188 × 1)
		lbs	(608 × 1) + (573 × 1) + (414 × 1)	(608 × 1) + (604 × 1) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	67.2	67.4
	Heating	dB(A)	68.8	69.5
Sound Power Level	Cooling	dB(A)	90.1	90.4
	Heating	dB(A)	91.8	92.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			54	56
Model Name	Combination Unit		ARUN540BTE5	ARUN560BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN180BTE5	ARUN200BTE5
			ARUN120BTE5	ARUN120BTE5
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount	kg	16.0 + 13.0 + 10.0	16.0 + 14.0 + 10.0
		lbs	35.3 + 28.7 + 22.0	35.3 + 30.9 + 22.0
	t-CO <sub>2</sub> eq		81.4	83.5
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply		V, Ø, Hz	220-240, 3, 50 220, 3, 60	220-240, 3, 50 220, 3, 60
Number of maximum connectable indoor units			64	64
<b>Note</b>				
<ol style="list-style-type: none"> <li>Due to our policy of innovation some specifications may be changed without notification.</li> <li>Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.</li> <li>Power factor could vary less than ±1% according to the operating conditions.</li> <li>Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.</li> <li>Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.</li> <li>Performances are based on the following conditions : <ul style="list-style-type: none"> <li>*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul> </li> <li>*** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.</li> <li>This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)</li> </ol>				

# 1. Specifications

HP			58	60
Model Name	Combination Unit		ARUN580BTE5	ARUN600BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN220BTE5	ARUN240BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	162.4	168.0
		Btu/h	554,100.0	573,200.0
	Heating (Rated.)	kW	181.4	186.3
		Btu/h	618,900.0	635,800.0
Input	Cooling (Rated)	kW	40.88	42.88
	Heating (Rated)	kW	46.13	47.48
EER (Rated)			3.97	3.92
COP (Rated)			3.93	3.92
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 5	62.1 × 5
	Number of Revolution	rev/min	3,600 × 5	3,600 × 5
	Motor Output x Number	W x No.	5,300 × 5	5,300 × 5
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 1) + (274 × 1) + (188 × 1)	(276 × 2) + (188 × 1)
		lbs	(608 × 1) + (604 × 1) + (414 × 1)	(608 × 2) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	68.3	68.5
	Heating	dB(A)	69.8	70.4
Sound Power Level	Cooling	dB(A)	90.4	91.3
	Heating	dB(A)	92.4	93.2
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			58	60	
Model Name	Combination Unit		ARUN580BTE5	ARUN600BTE5	
	Independent Unit		ARUN240BTE5	ARUN240BTE5	
			ARUN220BTE5	ARUN240BTE5	
			ARUN120BTE5	ARUN120BTE5	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	
Refrigerant	Refrigerant name		R410A	R410A	
	Precharged Amount		kg	16.0 + 14.0 + 10.0	16.0 + 16.0 + 10.0
			lbs	35.3 + 30.9 + 22.0	35.3 + 35.3 + 22.0
	t-CO <sub>2</sub> eq		83.5	87.7	
Control		Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply		V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
			220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units			64	64	
<b>Note</b>					
1. Due to our policy of innovation some specifications may be changed without notification.					
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.					
3. Power factor could vary less than ±1% according to the operating conditions.					
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.					
5. Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10 <sup>A1</sup> (A1/10)+ ... +10 <sup>An</sup> (An/10)] , A1~An means sound values of independent models.					
6. Performances are based on the following conditions : <ul style="list-style-type: none"> <li>• *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>• *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>• Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul>					
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.					
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)					

# 1. Specifications

HP			62	64
Model Name	Combination Unit		ARUN620BTE5	ARUN640BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN140BTE5	ARUN160BTE5
Capacity	Cooling (Rated)	kW	173.6	179.2
		Btu/h	592,400.0	611,500
	Heating (Rated.)	kW	192.6	198.9
		Btu/h	657,300.0	678,800
Input	Cooling (Rated)	kW	44.13	45.87
	Heating (Rated)	kW	49.27	51.17
EER (Rated)			3.93	3.91
COP (Rated)			3.91	3.89
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 5	62.1 × 5
	Number of Revolution	rev/min	3,600 × 5	3,600 × 5
	Motor Output x Number	W x No.	5,300 × 5	5,300 × 5
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 6	900 × 6
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 3	320 × 3
		ft <sup>3</sup> /min	11,301 × 3	11,301 × 3
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(276 × 2) + (220 × 1)	(276 × 2) + (220 × 1)
		lbs	(608 × 2) + (485 × 1)	(608 × 2) + (485 × 1)
Sound Pressure Level	Cooling	dB(A)	68.6	68.7
	Heating	dB(A)	70.5	70.6
Sound Power Level	Cooling	dB(A)	91.5	91.6
	Heating	dB(A)	93.5	93.6
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		62	64	
Model Name	Combination Unit	ARUN620BTE5	ARUN640BTE5	
	Independent Unit	ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN140BTE5	ARUN160BTE5	
Refrigerant	Refrigerant name	R410A	R410A	
	Precharged Amount	kg	16.0 + 16.0 + 13.0	16.0 + 16.0 + 13.0
		lbs	35.3 + 35.3 + 28.7	35.3 + 35.3 + 28.7
	t-CO <sub>2</sub> eq	93.9	93.9	
Control	Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		64	64	

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			66	68
Model Name	Combination Unit		ARUN660BTE5	ARUN680BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN180BTE5	ARUN200BTE5
Capacity	Cooling (Rated)	kW	184.8	190.4
		Btu/h	630,600	649,700
	Heating (Rated.)	kW	205.2	211.5
		Btu/h	700,300	721,800
Input	Cooling (Rated)	kW	46.03	47.60
	Heating (Rated)	kW	51.71	55.15
EER (Rated)			4.01	4.00
COP (Rated)			3.97	3.83
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	(62.1 × 5) + (43.8 × 1)	62.1 × 6
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6
	Motor Output x Number	W x No.	(5,300 × 5) + (4,200 × 1)	5,300 × 6
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 6	900 × 6
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 3	320 × 3
		ft <sup>3</sup> /min	11,301 × 3	11,301 × 3
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	
Pipe Connctions	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight	kg		(276 × 2) + (260 × 1)	(276 × 2) + (274 × 1)
	lbs		(608 × 2) + (573 × 1)	(608 × 2) + (604 × 1)
Sound Pressure Level	Cooling	dB(A)	68.8	69.0
	Heating	dB(A)	70.6	71.1
Sound Power Level	Cooling	dB(A)	92.0	92.2
	Heating	dB(A)	93.8	94.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)



# 1. Specifications

HP		66	68	
Model Name	Combination Unit	ARUN660BTE5	ARUN680BTE5	
	Independent Unit	ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN180BTE5	ARUN200BTE5	
Refrigerant	Refrigerant name	R410A	R410A	
	Precharged Amount	kg	16.0 + 16.0 + 13.0	16.0 + 16.0 + 14.0
		lbs	35.3 + 35.3 + 28.7	35.3 + 35.3 + 30.9
	t-CO <sub>2</sub> eq	93.9	96.0	
Control	Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		64	64	

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			70	72
Model Name	Combination Unit		ARUN700BTE5	ARUN720BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN220BTE5	ARUN240BTE5
Capacity	Cooling (Rated)	kW	196.0	201.6
		Btu/h	668,800	687,900
	Heating (Rated.)	kW	217.8	222.8
		Btu/h	743,300	760,200
Input	Cooling (Rated)	kW	50.09	52.09
	Heating (Rated)	kW	57.27	58.62
EER (Rated)			3.91	3.87
COP (Rated)			3.80	3.80
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 6	62.1 × 6
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6
	Motor Output x Number	W x No.	5,300 × 6	5,300 × 6
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 6	900 × 6
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 3	320 × 3
		ft <sup>3</sup> /min	11,301 × 3	11,301 × 3
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(276 × 2) + (274 × 1)	276 × 3
		lbs	(608 × 2) + (604 × 1)	608 × 3
Sound Pressure Level	Cooling	dB(A)	69.6	69.8
	Heating	dB(A)	71.3	71.8
Sound Power Level	Cooling	dB(A)	92.2	92.8
	Heating	dB(A)	94.2	94.8
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		70	72	
Model Name	Combination Unit	ARUN700BTE5	ARUN720BTE5	
	Independent Unit	ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN220BTE5	ARUN240BTE5	
Refrigerant	Refrigerant name	R410A	R410A	
	Precharged Amount	kg	16.0 + 16.0 + 14.0	16.0 + 16.0 + 16.0
		lbs	35.3 + 35.3 + 30.9	35.3 + 35.3 + 35.3
	t-CO <sub>2</sub> eq	96.0	100.2	
Control	Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		64	64	

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			74	76
Model Name	Combination Unit		ARUN740BTE5	ARUN760BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN140BTE5	ARUN160BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	207.2	212.8
		Btu/h	707,000	726,100
	Heating (Rated.)	kW	230.4	236.7
		Btu/h	786,300	807,800
Input	Cooling (Rated)	kW	52.28	54.03
	Heating (Rated)	kW	57.67	59.57
EER (Rated)			3.96	3.94
COP (Rated)			4.00	3.97
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 6	62.1 × 6
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6
	Motor Output x Number	W x No.	5,300 × 6	5,300 × 6
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 2) + (220 × 1) + (188 × 1)	(276 × 2) + (220 × 1) + (188 × 1)
		lbs	(608 × 2) + (485 × 1) + (414 × 1)	(608 × 2) + (485 × 1) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	69.1	69.2
	Heating	dB(A)	70.9	70.9
Sound Power Level	Cooling	dB(A)	91.8	91.9
	Heating	dB(A)	93.7	93.8
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			74	76
Model Name	Combination Unit		ARUN740BTE5	ARUN760BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN140BTE5	ARUN160BTE5
			ARUN120BTE5	ARUN120BTE5
Communication Cable (VCTF-SB)	No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount	kg	16.0 + 16.0 + 13.0 + 10.0	16.0 + 16.0 + 13.0 + 10.0
		lbs	35.3 + 35.3 + 28.7 + 22.0	35.3 + 35.3 + 28.7 + 22.0
	t-CO <sub>2</sub> eq		114.8	114.8
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units			64	64
<b>Note</b>				
<ol style="list-style-type: none"> <li>Due to our policy of innovation some specifications may be changed without notification.</li> <li>Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.</li> <li>Power factor could vary less than ±1% according to the operating conditions.</li> <li>Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.</li> <li>Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.</li> <li>Performances are based on the following conditions : <ul style="list-style-type: none"> <li>*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul> </li> <li>*** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.</li> <li>This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)</li> </ol>				

# 1. Specifications

HP			78	80
Model Name	Combination Unit		ARUN780BTE5	ARUN800BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN180BTE5	ARUN200BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	218.4	224.0
		Btu/h	745,200	764,300
	Heating (Rated.)	kW	243.0	249.3
		Btu/h	829,300	850,800
Input	Cooling (Rated)	kW	54.18	55.76
	Heating (Rated)	kW	60.11	63.55
EER (Rated)			4.03	4.02
COP (Rated)			4.04	3.92
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	(62.1 × 6) + (43.8 × 1)	62.1 × 7
	Number of Revolution	rev/min	3,600 × 6	3,600 × 7
	Motor Output x Number	W x No.	(5,300 × 6) + (4,200 × 1)	5,300 × 7
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 2) + (260 × 1) + (188 × 1)	(276 × 2) + (274 × 1) + (188 × 1)
		lbs	(608 × 2) + (573 × 1) + (414 × 1)	(608 × 2) + (604 × 1) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	69.2	69.4
	Heating	dB(A)	71.0	71.4
Sound Power Level	Cooling	dB(A)	92.2	92.4
	Heating	dB(A)	94.0	94.2
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			78	80
Model Name	Combination Unit		ARUN780BTE5	ARUN800BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN180BTE5	ARUN200BTE5
			ARUN120BTE5	ARUN120BTE5
Communication Cable (VCTF-SB)	No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount	kg	16.0 + 16.0 + 13.0 + 10.0	16.0 + 16.0 + 14.0 + 10.0
		lbs	35.3 + 35.3 + 28.7 + 22.0	35.3 + 35.3 + 30.9 + 22.0
	t-CO <sub>2</sub> eq		114.8	116.9
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units			64	64
<b>Note</b>				
1. Due to our policy of innovation some specifications may be changed without notification.				
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.				
3. Power factor could vary less than ±1% according to the operating conditions.				
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.				
5. Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10 <sup>A1</sup> (A1/10)+ ... +10 <sup>An</sup> (An/10)] , A1~An means sound values of independent models.				
6. Performances are based on the following conditions : <ul style="list-style-type: none"> <li>• *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>• *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>• Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul>				
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.				
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)				

# 1. Specifications

HP			82	84
Model Name	Combination Unit		ARUN820BTE5	ARUN840BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN220BTE5	ARUN240BTE5
			ARUN120BTE5	ARUN120BTE5
Capacity	Cooling (Rated)	kW	229.6	235.2
		Btu/h	783,400	802,500
	Heating (Rated.)	kW	255.6	260.6
		Btu/h	872,300	889,200
Input	Cooling (Rated)	kW	58.25	60.25
	Heating (Rated)	kW	65.67	67.02
EER (Rated)			3.94	3.90
COP (Rated)			3.89	3.89
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 7	62.1 × 7
	Number of Revolution	rev/min	3,600 × 7	3,600 × 7
	Motor Output x Number	W x No.	5,300 × 7	5,300 × 7
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate(High)	m <sup>3</sup> /min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 2) + (274 × 1) + (188 × 1)	(276 × 3) + (188 × 1)
		lbs	(608 × 2) + (604 × 1) + (414 × 1)	(608 × 3) + (414 × 1)
Sound Pressure Level	Cooling	dB(A)	70.0	70.1
	Heating	dB(A)	71.6	72.1
Sound Power Level	Cooling	dB(A)	92.4	92.9
	Heating	dB(A)	94.4	94.9
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)



# 1. Specifications

HP			82	84
Model Name	Combination Unit		ARUN820BTE5	ARUN840BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN220BTE5	ARUN240BTE5
			ARUN120BTE5	ARUN120BTE5
Communication Cable (VCTF-SB)	No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount	kg	16.0 + 16.0 + 14.0 + 10.0	16.0 + 16.0 + 16.0 + 10.0
		lbs	35.3 + 35.3 + 30.9 + 22.0	35.3 + 35.3 + 35.3 + 22.0
	t-CO <sub>2</sub> eq		116.9	121.1
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units			64	64
<b>Note</b>				
1. Due to our policy of innovation some specifications may be changed without notification.				
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.				
3. Power factor could vary less than ±1% according to the operating conditions.				
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.				
5. Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation. Sound values of system [dB(A)] = 10*log [10 <sup>A1</sup> (A1/10)+ ... +10 <sup>An</sup> (An/10)] , A1~An means sound values of independent models.				
6. Performances are based on the following conditions : <ul style="list-style-type: none"> <li>• *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB</li> <li>• *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB</li> <li>• Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.</li> </ul>				
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%). The recommended ratio is 130%.				
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)				

# 1. Specifications

HP			86	88
Model Name	Combination Unit		ARUN860BTE5	ARUN880BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN140BTE5	ARUN160BTE5
Capacity	Cooling (Rated)	kW	240.8	246.4
		Btu/h	821,700	840,800
	Heating (Rated.)	kW	266.9	273.2
		Btu/h	910,700	932,200
Input	Cooling (Rated)	kW	61.49	63.24
	Heating (Rated)	kW	68.81	70.71
EER (Rated)			3.92	3.90
COP (Rated)			3.88	3.86
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 7	62.1 × 7
	Number of Revolution	rev/min	3,600 × 7	3,600 × 7
	Motor Output x Number	W x No.	5,300 × 7	5,300 × 7
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 8	900 × 8
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 4	320 × 4
		ft <sup>3</sup> /min	11,301 × 4	11,301 × 4
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4
Net Weight	kg		(276 × 3) + (220 × 1)	(276 × 3) + (220 × 1)
	lbs		(608 × 3) + (485 × 1)	(608 × 3) + (485 × 1)
Sound Pressure Level	Cooling	dB(A)	70.2	70.3
	Heating	dB(A)	72.1	72.2
Sound Power Level	Cooling	dB(A)	93.1	93.2
	Heating	dB(A)	95.1	95.2
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		86	88	
Model Name	Combination Unit	ARUN860BTE5	ARUN880BTE5	
	Independent Unit	ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN140BTE5	ARUN160BTE5	
Refrigerant	Refrigerant name	R410A	R410A	
	Precharged Amount	kg	16.0 + 16.0 + 16.0 + 13.0	16.0 + 16.0 + 16.0 + 13.0
		lbs	35.3 + 35.3 + 35.3 + 28.7	35.3 + 35.3 + 35.3 + 28.7
	t-CO <sub>2</sub> eq	127.3	127.3	
Control	Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		64	64	

### Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			90	92
Model Name	Combination Unit		ARUN900BTE5	ARUN920BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN180BTE5	ARUN200BTE5
Capacity	Cooling (Rated)	kW	252.0	257.6
		Btu/h	859,900	879,000
	Heating (Rated.)	kW	279.5	285.8
		Btu/h	953,700	975,200
Input	Cooling (Rated)	kW	63.39	64.97
	Heating (Rated)	kW	71.25	74.69
EER (Rated)			3.98	3.97
COP (Rated)			3.92	3.83
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	(62.1 × 7) + (43.8 × 1)	62.1 × 8
	Number of Revolution	rev/min	3,600 × 8	3,600 × 8
	Motor Output x Number	W x No.	(5,300 × 7) + (4,200 × 1)	5,300 × 8
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 8	900 × 8
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 4	320 × 4
		ft <sup>3</sup> /min	11,301 × 4	11,301 × 4
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Pipe Connctions	Discharge	Side / Top	TOP	TOP
	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4
Net Weight	kg		(276 × 3) + (260 × 1)	(276 × 3) + (274 × 1)
	lbs		(608 × 3) + (573 × 1)	(608 × 3) + (604 × 1)
Sound Pressure Level	Cooling	dB(A)	70.3	70.4
	Heating	dB(A)	72.2	72.5
Sound Power Level	Cooling	dB(A)	93.4	93.6
	Heating	dB(A)	95.3	95.4
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		90	92	
Model Name	Combination Unit	ARUN900BTE5	ARUN920BTE5	
	Independent Unit	ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN180BTE5	ARUN200BTE5	
Refrigerant	Refrigerant name	R410A	R410A	
	Precharged Amount	kg	16.0 + 16.0 + 16.0 + 13.0	16.0 + 16.0 + 16.0 + 14.0
		lbs	35.3 + 35.3 + 35.3 + 28.7	35.3 + 35.3 + 35.3 + 30.9
	t-CO <sub>2</sub> eq	127.3	129.4	
Control	Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		64	64	

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than  $\pm 1\%$  according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP			94	96
Model Name	Combination Unit		ARUN940BTE5	ARUN960BTE5
	Independent Unit		ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN240BTE5	ARUN240BTE5
			ARUN220BTE5	ARUN240BTE5
Capacity	Cooling (Rated)	kW	263.2	268.8
		Btu/h	898,100	917,200
	Heating (Rated.)	kW	292.1	297.0
		Btu/h	996,700	1,013,600
Input	Cooling (Rated)	kW	67.45	69.46
	Heating (Rated)	kW	76.81	78.16
EER (Rated)			3.90	3.87
COP (Rated)			3.80	3.80
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm <sup>3</sup> /rev	62.1 × 8	62.1 × 8
	Number of Revolution	rev/min	3,600 × 8	3,600 × 8
	Motor Output x Number	W x No.	5,300 × 8	5,300 × 8
	Starting Method		Inverter	Inverter
	Oil Type		FW68D(PVE)	FW68D(PVE)
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 8	900 × 8
	Air Flow Rate(High)	m <sup>3</sup> /min	320 × 4	320 × 4
		ft <sup>3</sup> /min	11,301 × 4	11,301 × 4
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connctions	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)	mm		(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4
Net Weight	kg		(276 × 3) + (274 × 1)	276 × 4
	lbs		(608 × 3) + (604 × 1)	608 × 4
Sound Pressure Level	Cooling	dB(A)	70.9	71.0
	Heating	dB(A)	72.7	73.0
Sound Power Level	Cooling	dB(A)	93.6	94.0
	Heating	dB(A)	95.6	96.0
Protection Devices	High pressure protection		High pressure sensor / High pressure switch	
	Compressor/Fan		Over-heat protection / Fan driver overload protector	
	Inverter		Over-heat protection / Over-current protection	
Communication Cable (VCTF-SB)		No. x mm <sup>2</sup>	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5

## Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 1. Specifications

HP		94	96	
Model Name	Combination Unit	ARUN940BTE5	ARUN960BTE5	
	Independent Unit	ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN240BTE5	ARUN240BTE5	
		ARUN220BTE5	ARUN240BTE5	
Refrigerant	Refrigerant name	R410A	R410A	
	Precharged Amount	kg	16.0 + 16.0 + 16.0 + 14.0	16.0 + 16.0 + 16.0 + 16.0
		lbs	35.3 + 35.3 + 35.3 + 30.9	35.3 + 35.3 + 35.3 + 35.3
	t-CO <sub>2</sub> eq	129.4	133.6	
Control	Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply	V, Ø, Hz	220-240, 3, 50	220-240, 3, 50	
		220, 3, 60	220, 3, 60	
Number of maximum connectable indoor units		64	64	

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] =  $10 \cdot \log [10^{A1/10} + \dots + 10^{An/10}]$ , A1~An means sound values of independent models.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- \*\*\* : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).  
The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

# 2. Dimensions

## ARUN100BTE5 / ARUN120BTE5

[Unit: mm]

Gravity point

Dimensions shown in diagrams: 165, 1690, 799, 219, 162, 144, 159, 462, 625, 670, 675, 740, 740, 930, 92, 175, 71, 414, 760, 71, 333, 312, 298, 245, 236, 185, 156, 70, 14, 172, 731, 730, 101.

**Note**

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
- Electrical characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

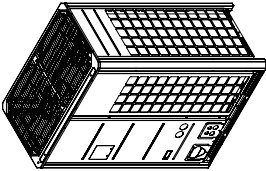
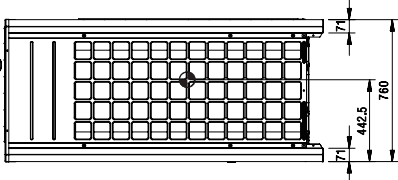
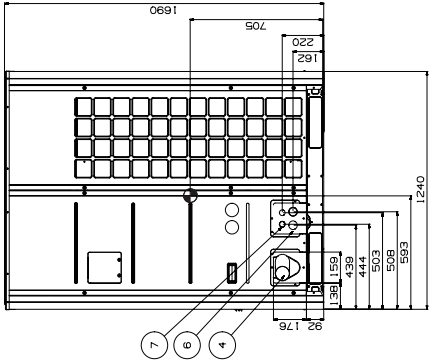
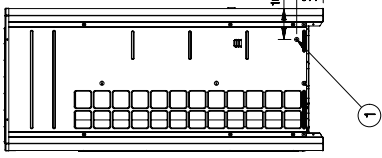
System	Heat Recovery		Heat Pump	
	Liquid Pipe	High Pressure Gas pipe	Liquid pipe	Gas pipe
HP				
10	Ø 9.52 (3/8)	Ø 19.05 (3/4)	Ø 9.52 (3/8)	Ø 22.2 (7/8)
12	Ø 12.7 (1/2)	Ø 19.05 (3/4)	Ø 12.7 (1/2)	Ø 28.58 (1-1/8)

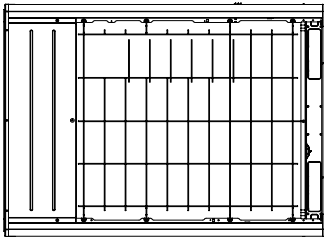
No.	Part Name	Description
7	Wire routing hole(front)	2- Ø 30
6	Power cord routing hole(front)	2- Ø 45
5	Pipe routing hole(bottom)	2- Ø 66, Ø 53.88
4	Pipe routing hole(front)	-
3	Power cord routing hole(bottom)	2- Ø 50
2	Wire routing hole(bottom)	2- Ø 22.2
1	Leakage test hole(side)	Ø 22.2



# 2. Dimensions

## ARUN140BTE5 / ARUN160BTE5 / ARUN180BTE5 / ARUN200BTE5 ARUN220BTE5 / ARUN240BTE5 / ARUN260BTE5

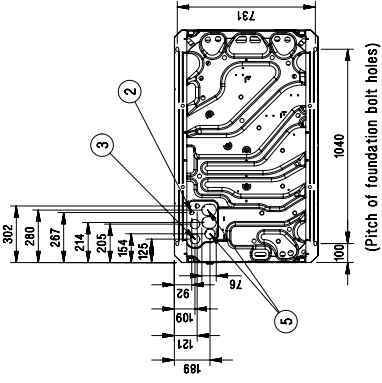







System	Heat Recovery		Heat Pump	
	Liquid pipe	High Pressure Gas pipe	Liquid pipe	Gas pipe
HP				
14-16	Ø 12.7 (1/2)	Ø 28.58 (1-1/8)	Ø 12.7 (1/2)	Ø 28.58 (1-1/8)
18-20	Ø 15.88 (5/8)	Ø 28.58 (1-1/8)	Ø 15.88 (5/8)	Ø 28.58 (1-1/8)
22	Ø 15.88 (5/8)	Ø 28.58 (1-1/8)	Ø 15.88 (5/8)	Ø 28.58 (1-1/8)
24	Ø 15.88 (5/8)	Ø 34.9 (1-3/8)	Ø 15.88 (5/8)	Ø 34.9 (1-3/8)
26-34	Ø 19.05 (3/4)	Ø 34.9 (1-3/8)	Ø 19.05 (3/4)	Ø 34.9 (1-3/8)
36	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)
38-40	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)
42-60	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)
62-64	Ø 22.2 (7/8)	Ø 41.3 (1-5/8)	Ø 22.2 (7/8)	Ø 41.3 (1-5/8)
66-96	Ø 22.2 (7/8)	Ø 53.98 (2-1/8)	Ø 22.2 (7/8)	Ø 53.98 (2-1/8)

**Note**

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
- Electrical characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.



(Pitch of foundation bolt holes)

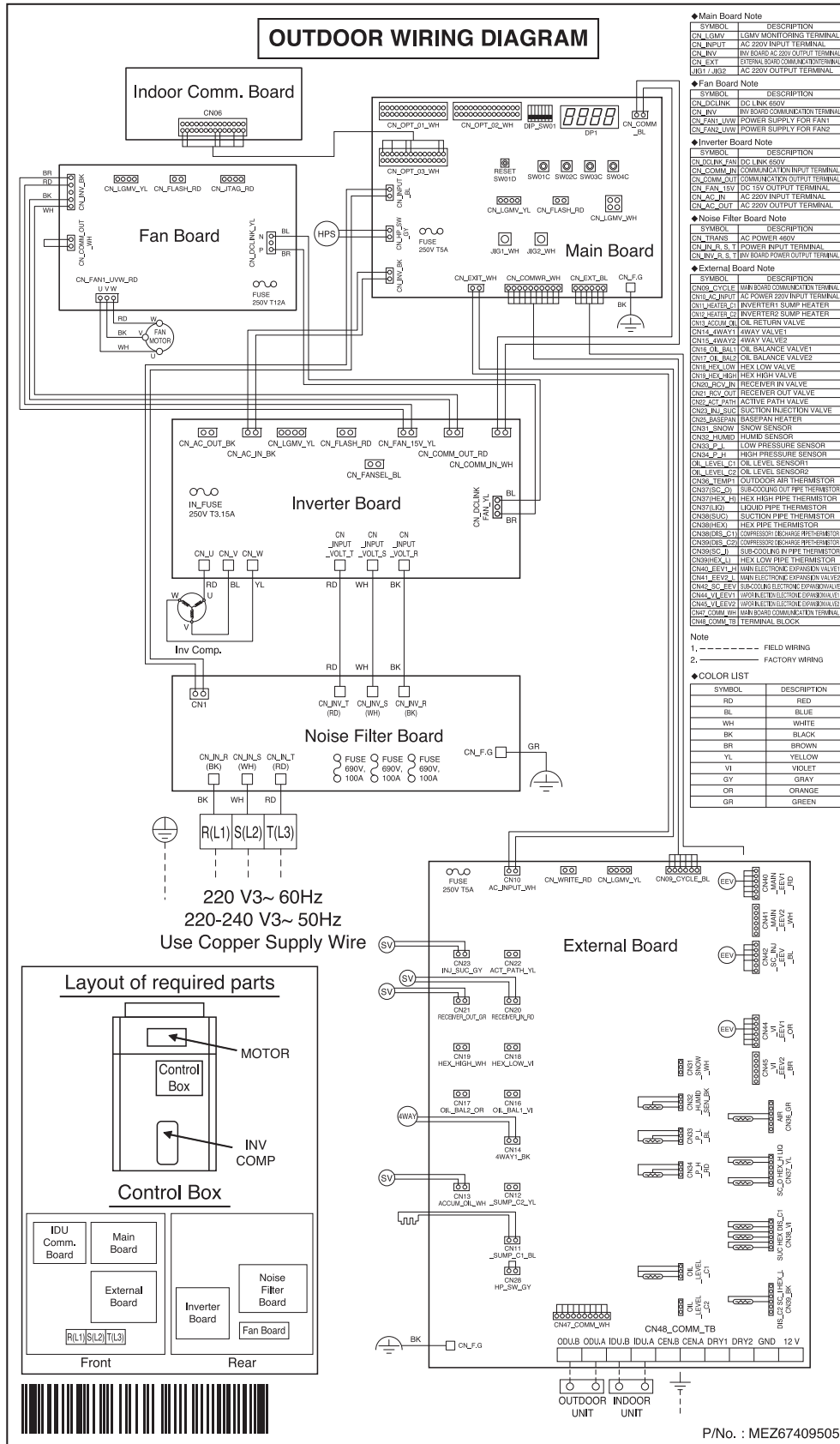
No.	Part Name	Description
7	Wire routing hole(front)	2- Ø 30
6	Power cord routing hole(front)	2- Ø 45
5	Pipe routing hole(bottom)	2- Ø 66, Ø 53.88
4	Pipe routing hole(front)	-
3	Power cord routing hole(bottom)	2- Ø 50
2	Wire routing hole(bottom)	2- Ø 22.2
1	Leakage test hole(side)	Ø 22.2

[Unit: mm]  
Chassis code : UXB

● Gravity point

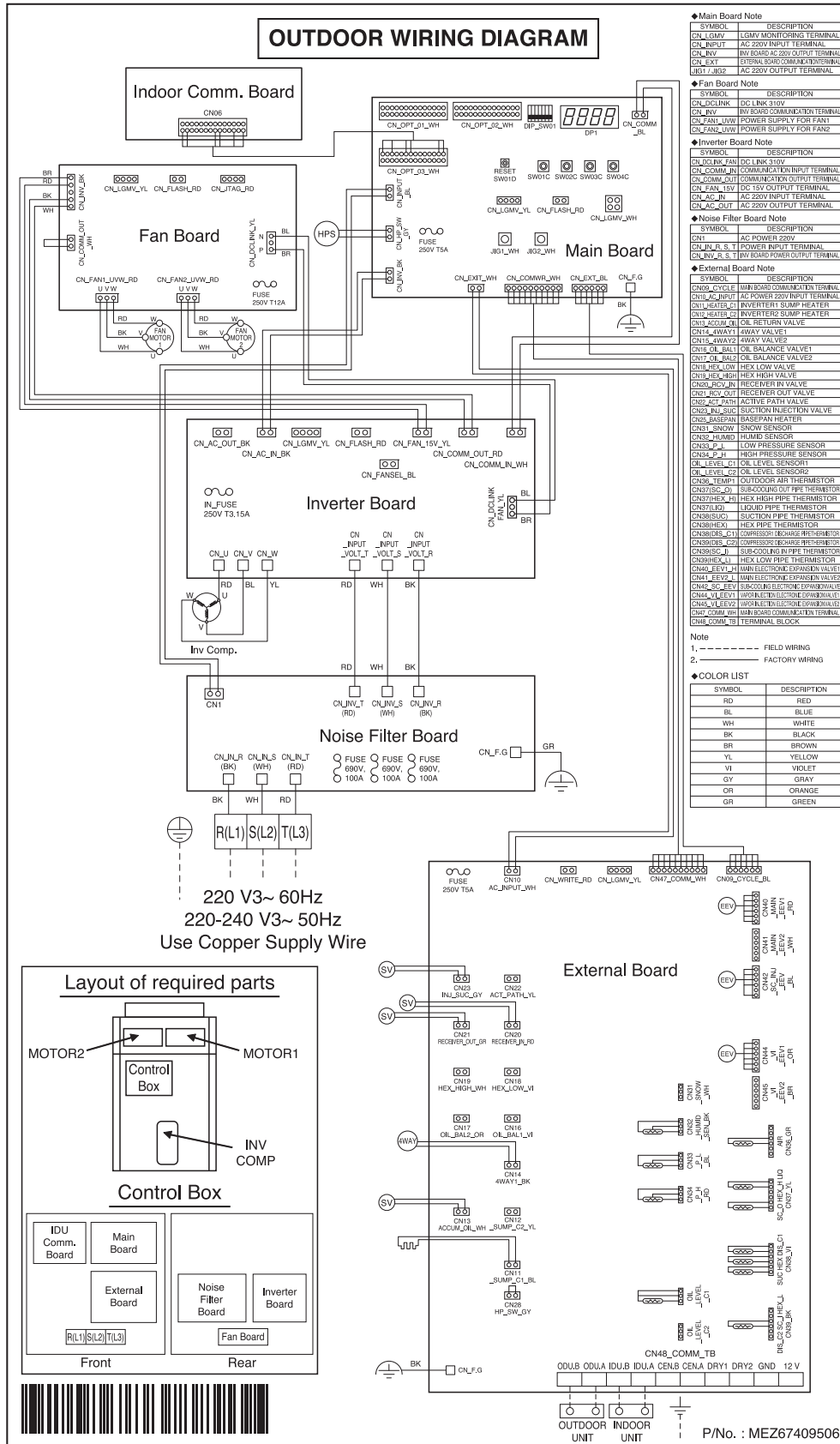
# 3. Wiring Diagrams

## 3.1 10 / 12 HP (UXA, 1 Comp)



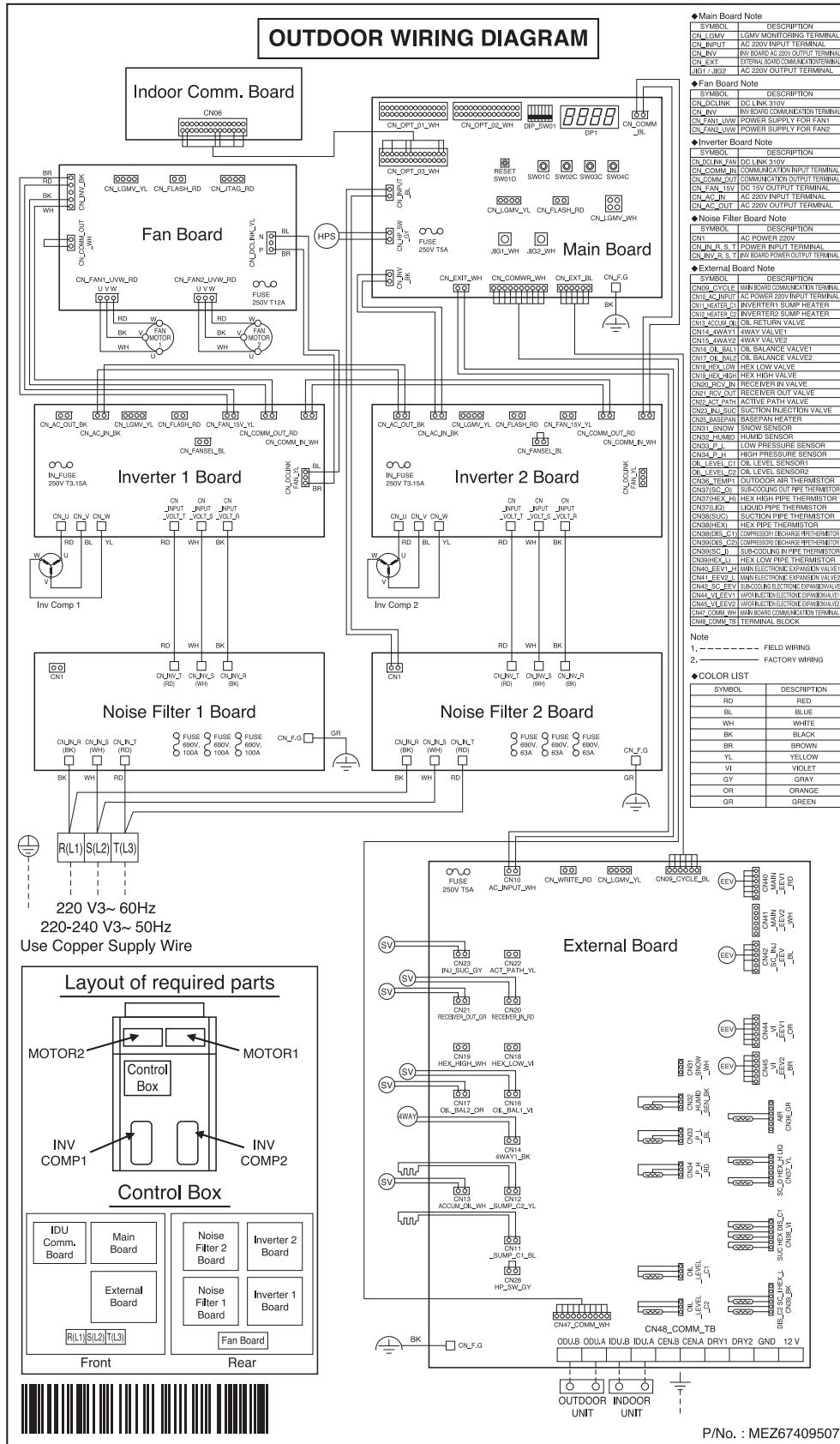
# 3. Wiring Diagrams

## 3.2 14 / 16 HP (UXB, 1 Comp)



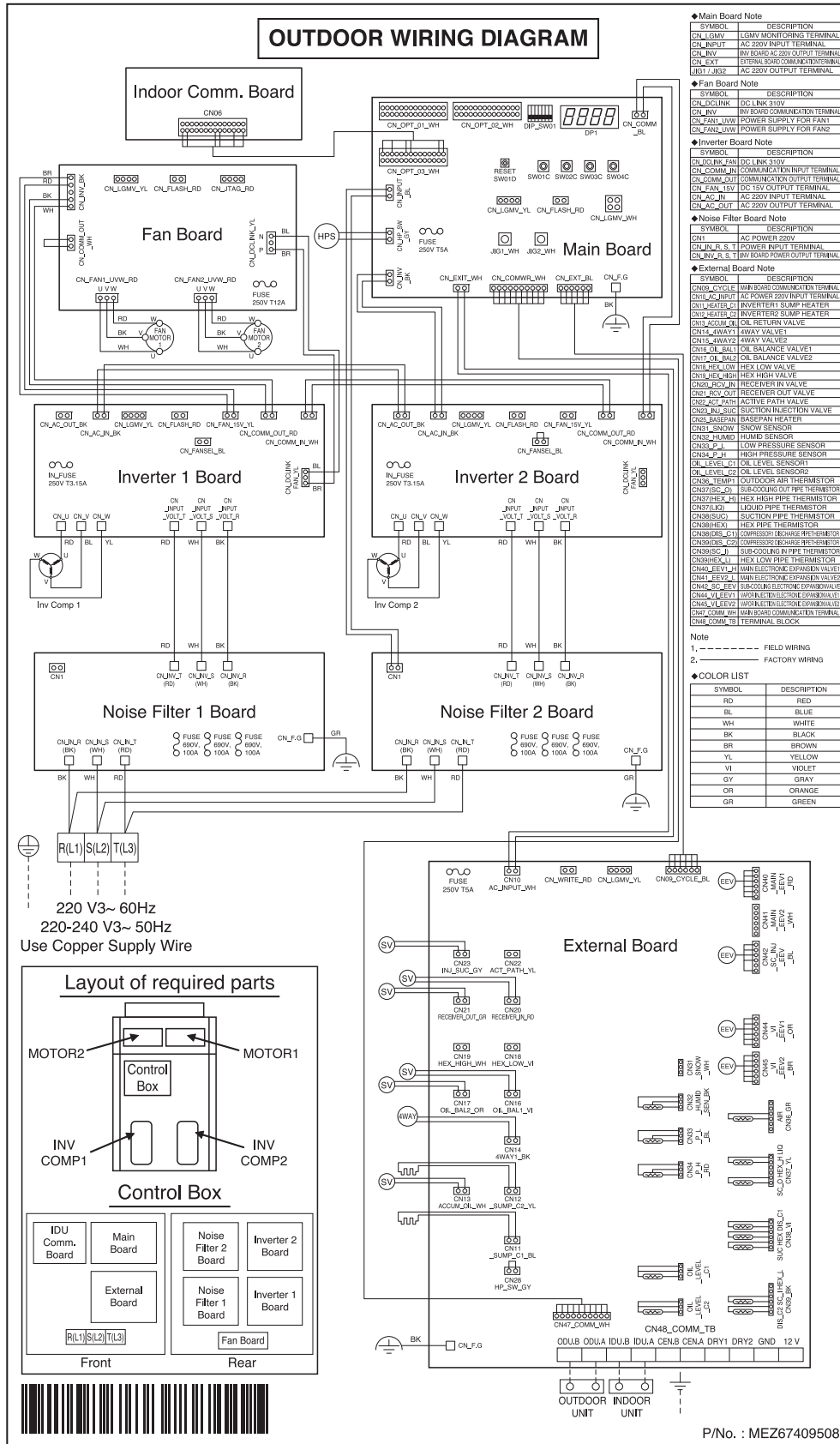
# 3. Wiring Diagrams

## 3.3 18 HP (UXB, 2 Comp)



# 3. Wiring Diagrams

## 3.4 20 / 22 / 24 / 26 HP (UXB, 2 Comp)

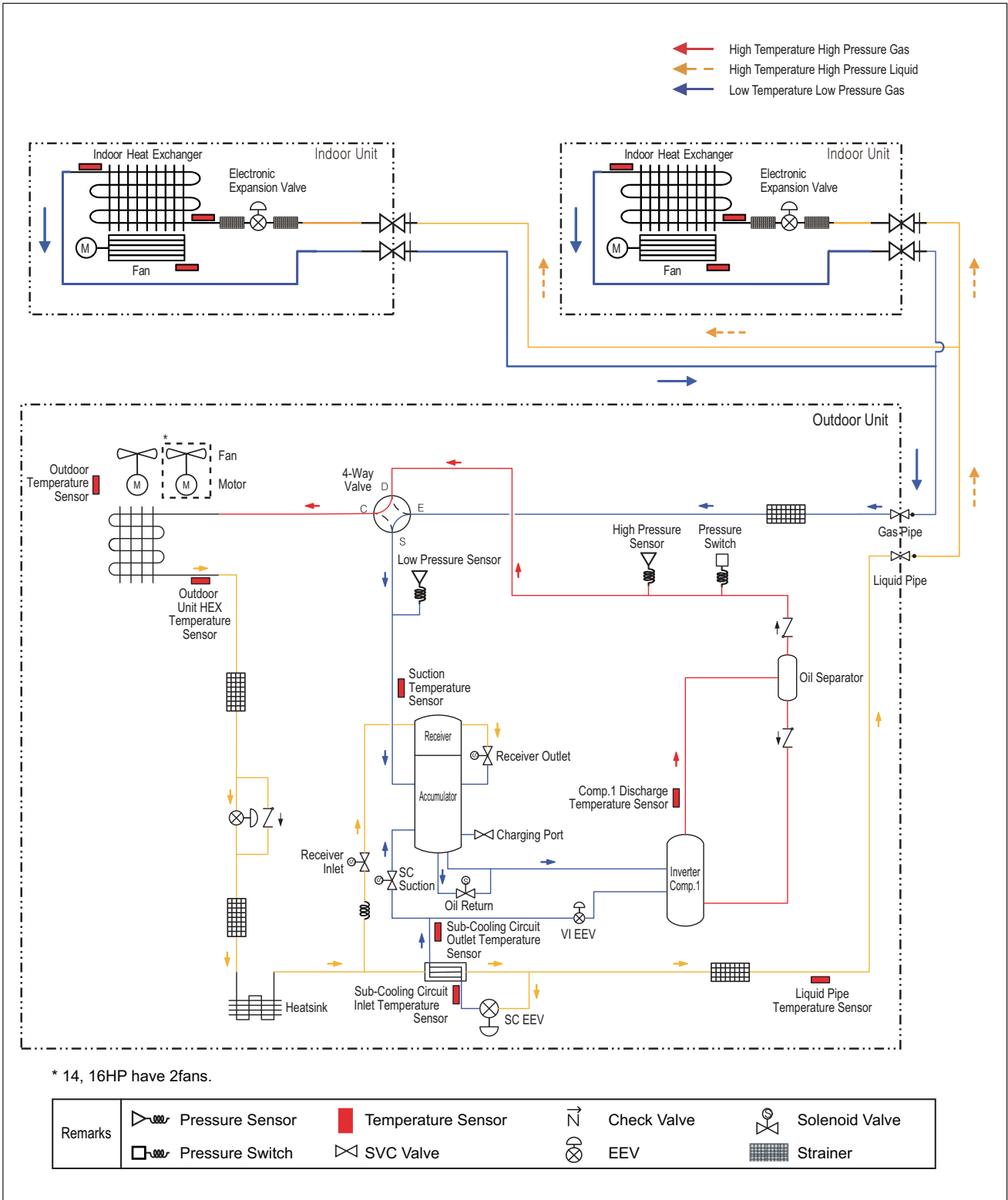


# 4. Piping Diagrams

## 4.1 10 / 12 / 14 / 16 HP (1 Comp)

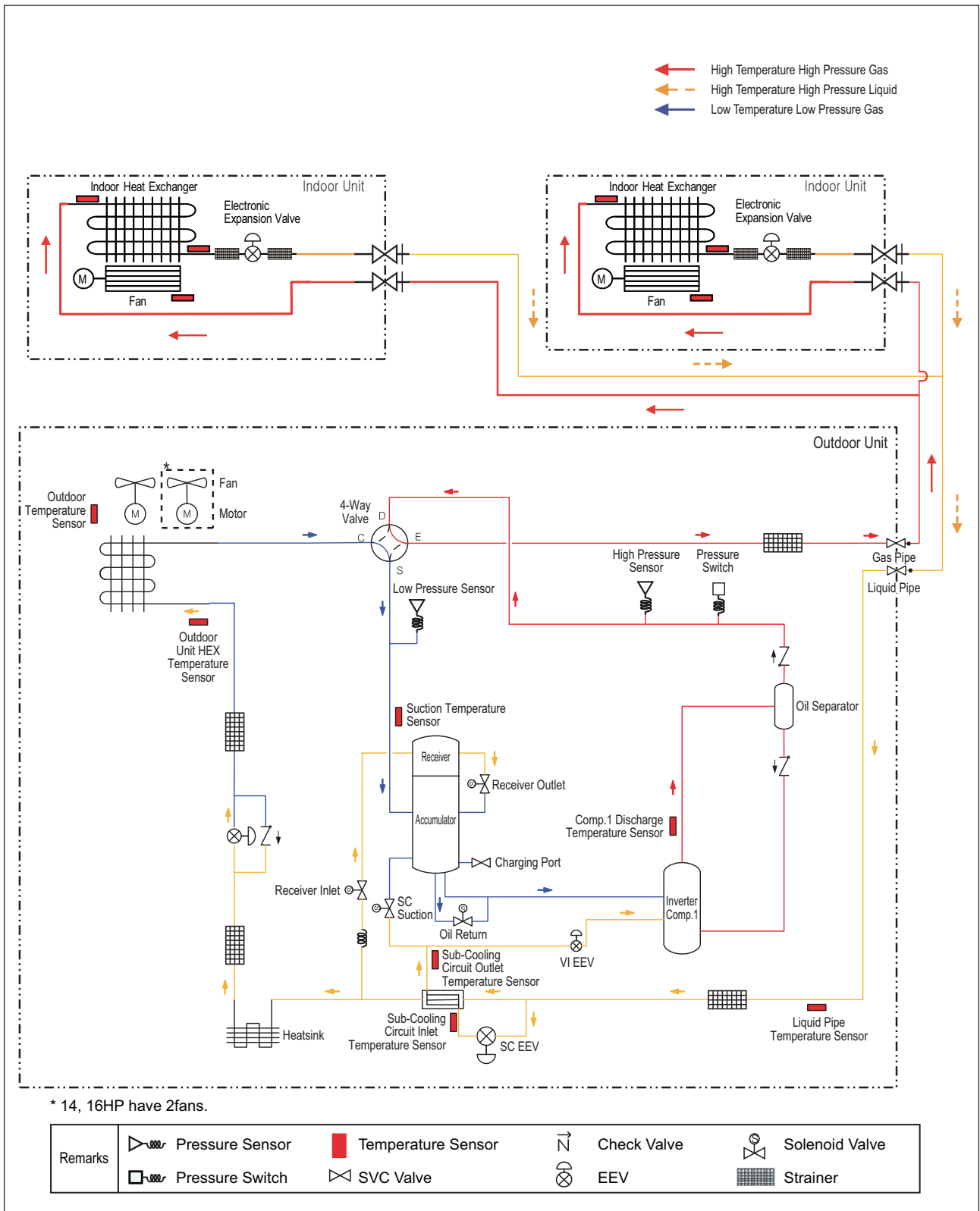
### 4.1.1 Heat Pump System

#### ■ Cooling Operation



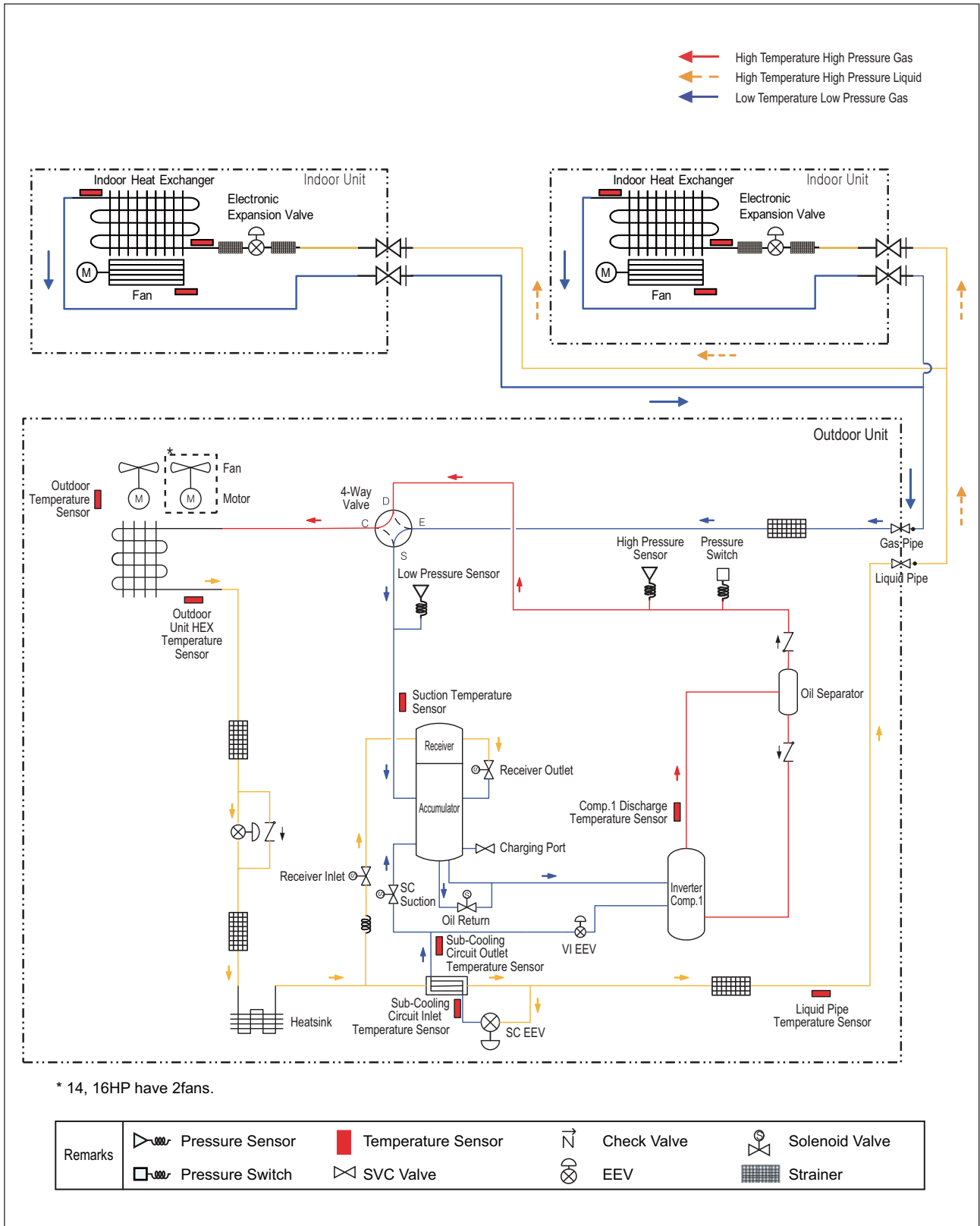
# 4. Piping Diagrams

## ■ Heating Operation



# 4. Piping Diagrams

## Oil Return/ Defrost Operation



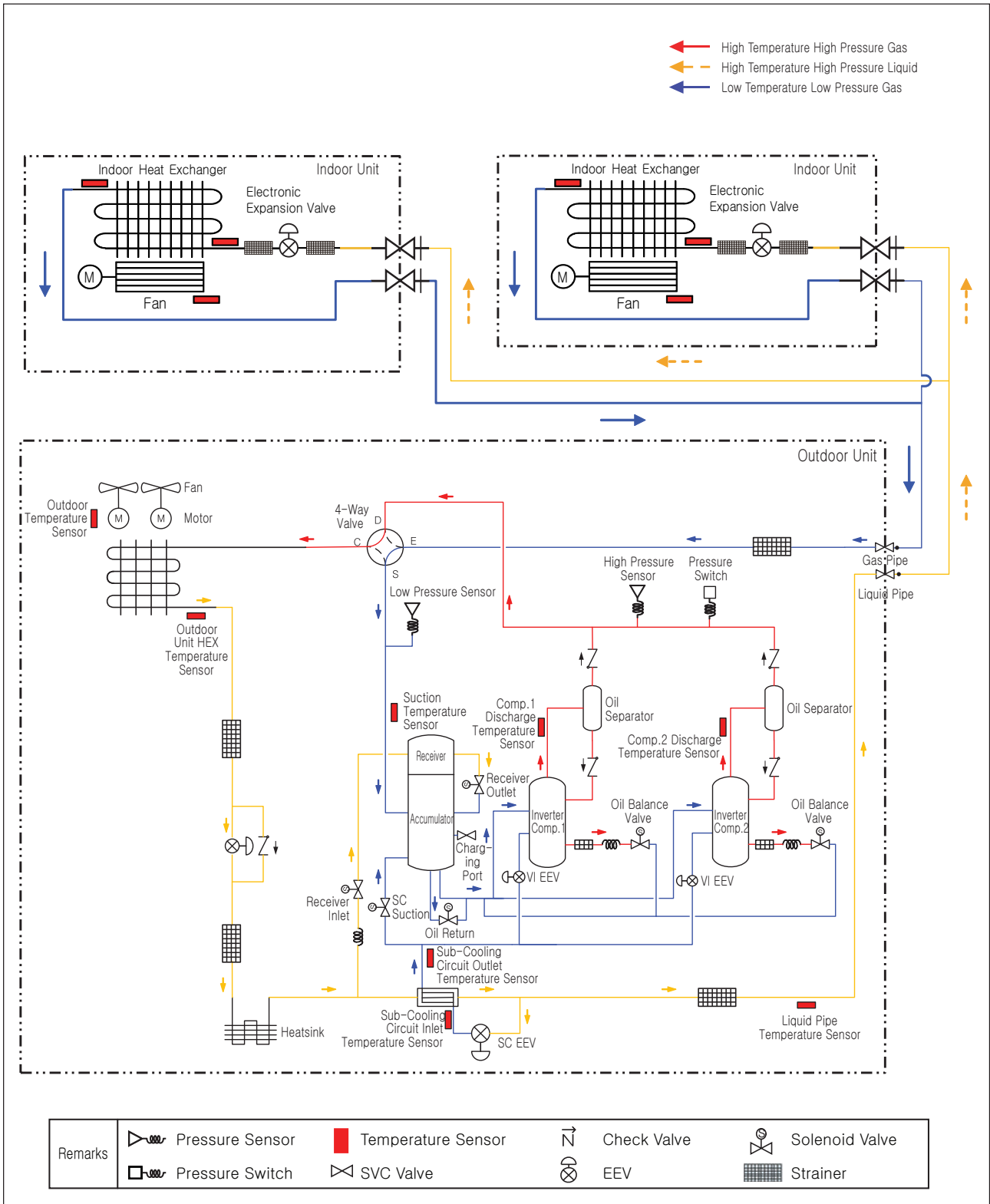


# 4. Piping Diagrams

## 4.2 18 / 20 / 22 / 24 / 26 HP (2 Comp)

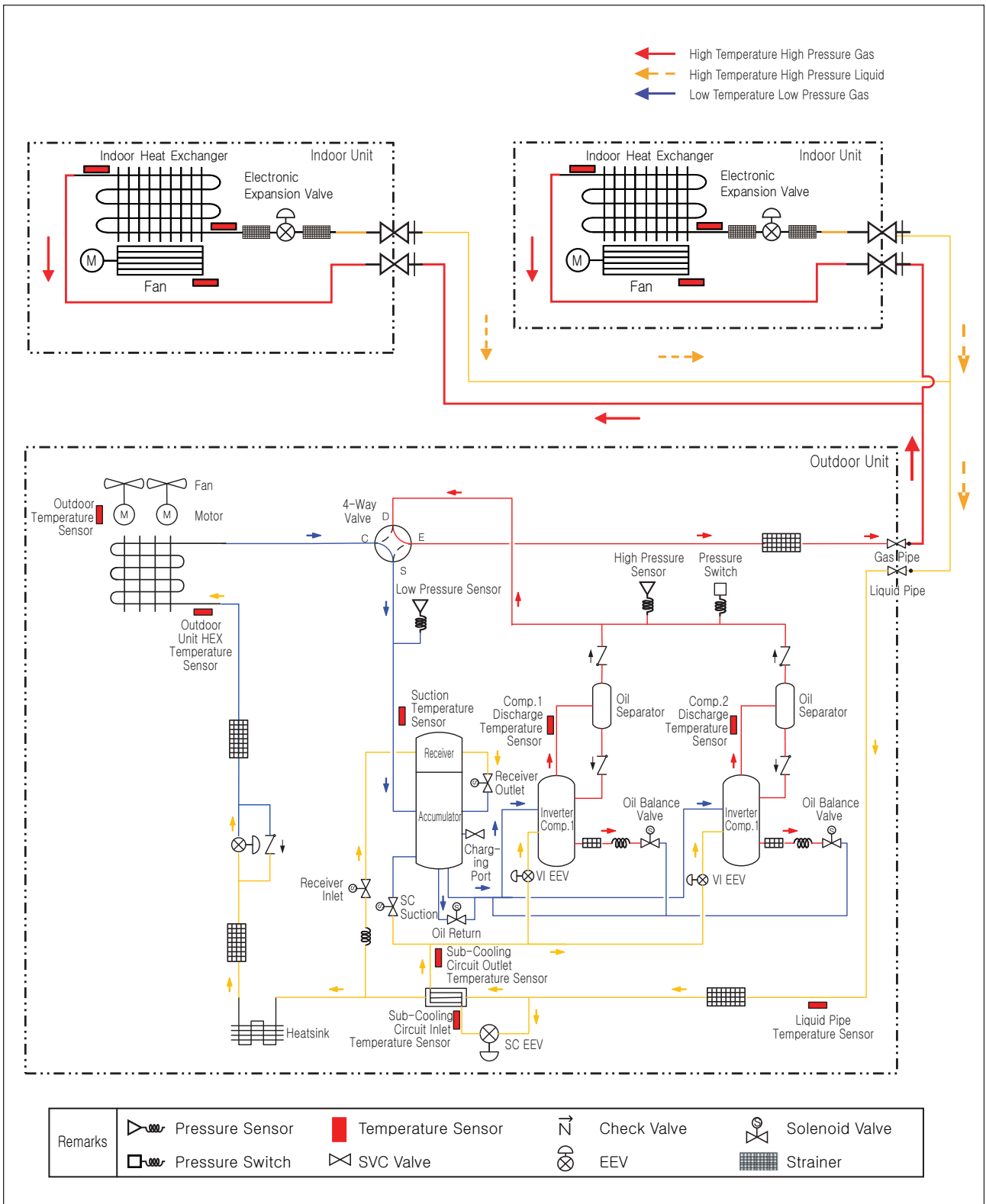
### 4.2.1 Heat Pump System

#### ■ Cooling Operation



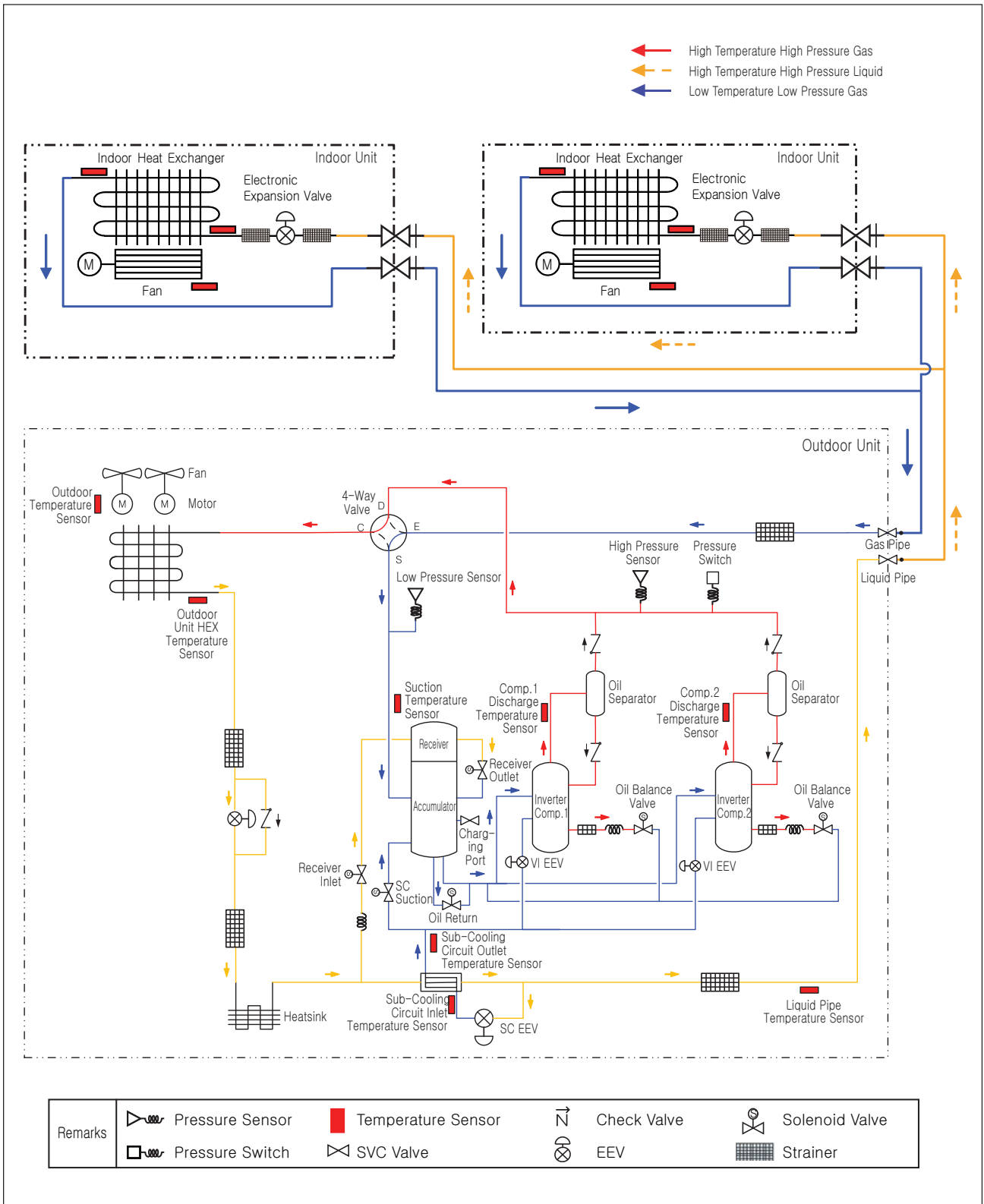
# 4. Piping Diagrams

## ■ Heating Operation



# 4. Piping Diagrams

## Oil Return/ Defrost Operation

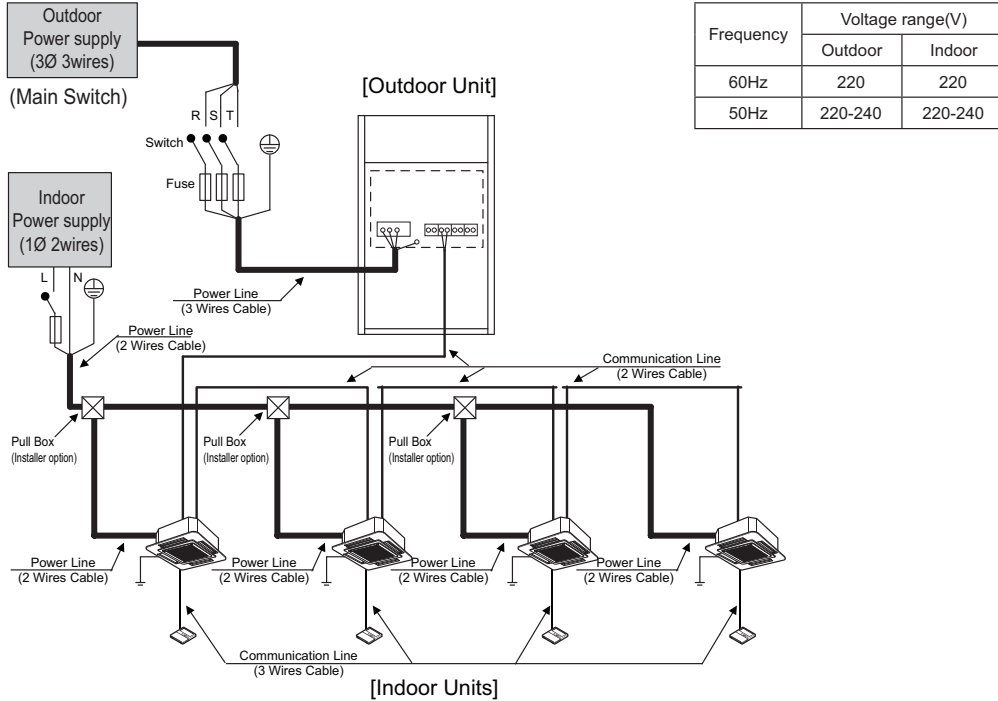


# 5. Field Wiring

## 5.1 Heat Pump System

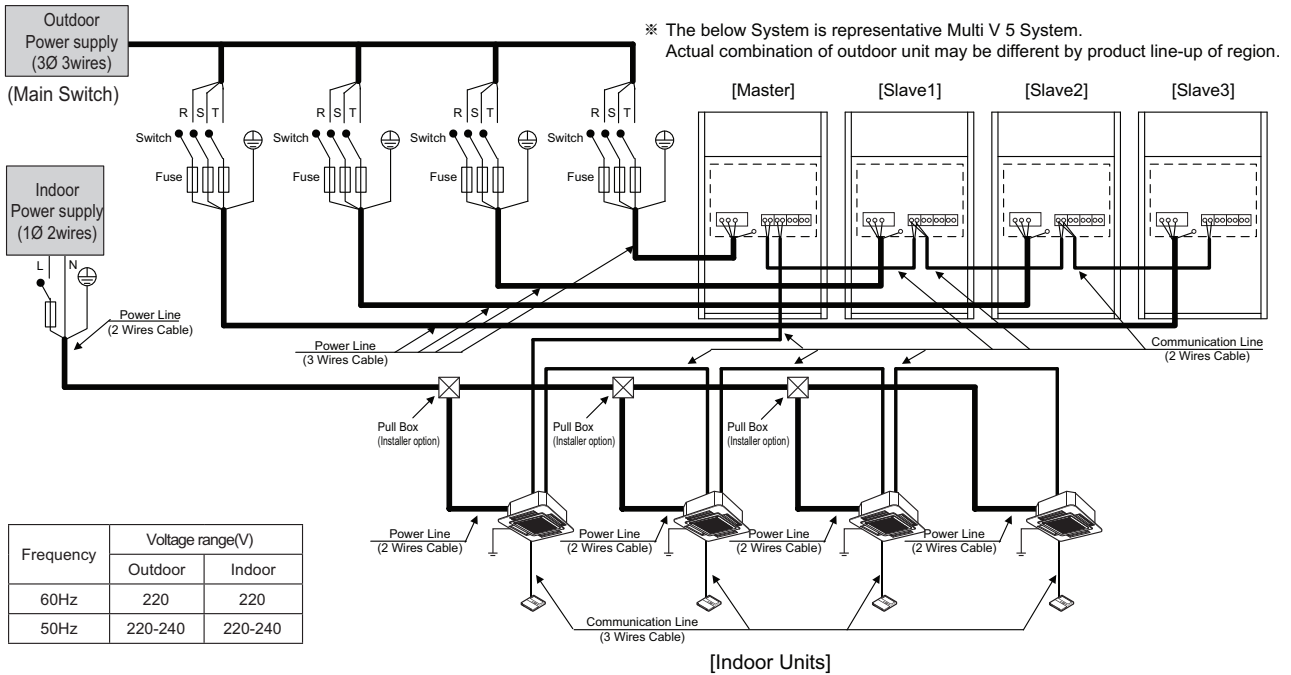
### ■ Example Connection of Power & Communication Cable

#### ◆ Single Outdoor Unit



#### ■ Series Outdoor Unit

#### ◆ When the power source is supplied to Each outdoor unit individually.



### ⚠ WARNING

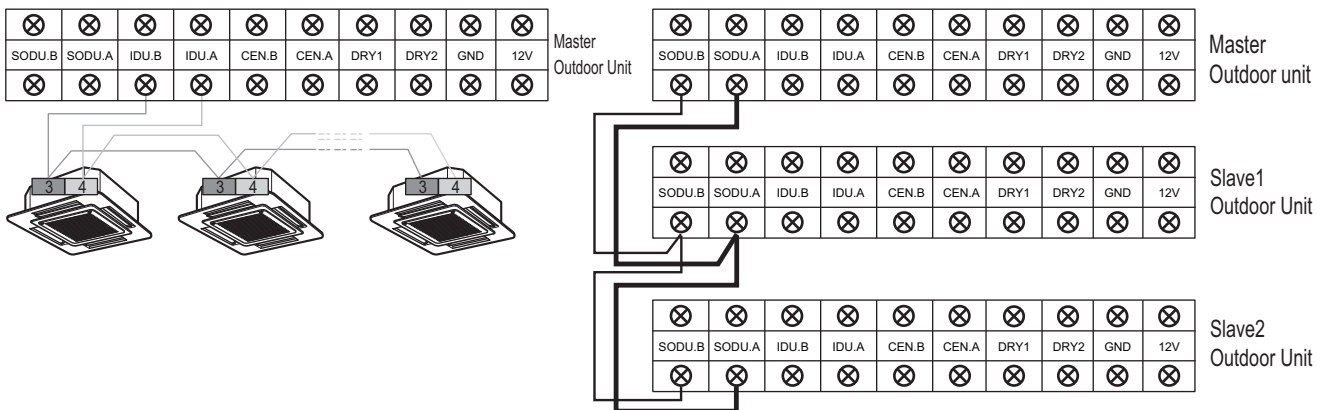
When the total capacity is over than 68Hp, do not use single power source for connecting series units. The First terminal block could be burnt out.

# 5. Field Wiring

## ⚠ WARNING

- Indoor Unit ground Lines are required for preventing electrical shock accident during current leakage, Communication disorder by noise effect and motor current leakage (without connection to pipe).
- Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.  
If individual power supply is necessary for each indoor unit, IPM (Independent Power Module) should be applied at each indoor unit. (optional)
- Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.  
Running the product in reversed phase may break the compressor and other parts.

### ◆ Between Indoor and Master Outdoor unit



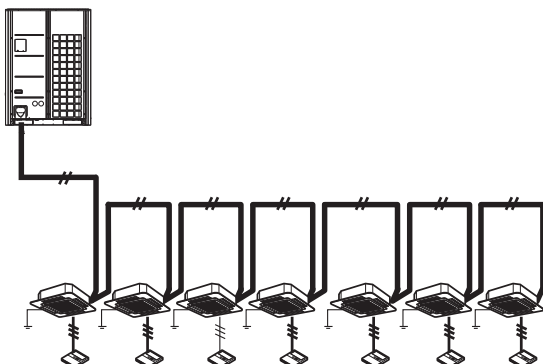
The GND terminal at the main PCB is a 'L' terminal for dry contact. It is not the point to make ground connection.

- Make sure that terminal number of master and slave outdoor units are matched.(A-A,B-B)

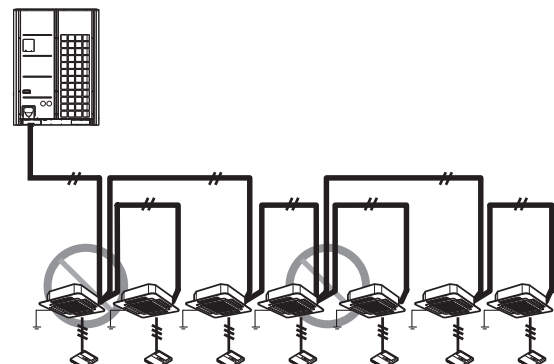
### ■ Example Connection of Communication Cable

- Connection of communication cable must be installed like below figure between indoor unit to outdoor unit.
- Abnormal operation can be caused by communication defect, when connection of communication cable is installed like below figure.

BUS Type



STAR Type



## 6. Electric Characteristics

---

### ■ Wiring of Main Power Supply and Equipment Capacity

1. Use a separate power supply for the Outdoor Unit and Indoor Unit.
2. Bear in mind ambient conditions (ambient temperature, direct sunlight, rain liquid, etc.) when proceeding with the wiring and connections
3. The wire size is the minimum value for metal conduit wiring. The power cord size should be 1 rank thicker taking into account the line voltage drops. Make sure the power-supply voltage does not drop more than 10%.
4. Specific wiring requirements should adhere to the wiring regulations of the region.
5. Power supply cords of parts of appliances for outdoor use should not be lighter than polychloroprene sheathed flexible cord (design 60245 IEC57).
6. Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.

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### WARNING

- Follow ordinance of local regulation for technical standard related to electrical equipment, wiring regulations and guidance of each electric power company.
- Make sure to use specified wires for connections so that no external force is imparted to terminal connections. If connections are not fixed firmly, it may cause heating or fire.
- Make sure to use the appropriate type of overcurrent protection switch. Note that generated overcurrent may include some amount of direct current.
- All installation site may require attachment of an earth leakage breaker. If no earth leakage breaker is installed, it may cause an electric shock.

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### CAUTION

- Do not use anything other than breaker and fuse with correct capacity. Using fuse and wire or copper wire with too large capacity may cause a malfunction of unit or fire.
-

## 6. Electric Characteristics

### ■ 50Hz

Model	Unit			Power Supply			COMP			OFM	
	Hz	Volts	Voltage-range	MCA	TOCA	MFA	MSC	RLA(Cooling)	RLA(Heating)	kW	FLA
10 HP	50	220-240	Min.:198, Max.:264	34.8	40.0	40	11.0	11.7	12.4	1.77	5.0
12 HP	50	220-240	Min.:198, Max.:264	36.4	40.0	40	11.0	18.2	20.9	1.77	5.0
14 HP	50	220-240	Min.:198, Max.:264	35.7	40.0	40	11.0	19.0	20.9	2.84	8.0
16 HP	50	220-240	Min.:198, Max.:264	36.4	40.0	40	11.0	24.0	30.6	2.84	8.0
18 HP	50	220-240	Min.:198, Max.:264	53.6	75.0	75	18.8	25.0	26.5	2.84	8.0
20 HP	50	220-240	Min.:198, Max.:264	71.4	80.0	80	21.9	28.5	35.5	2.84	8.0
22 HP	50	220-240	Min.:198, Max.:264	72.7	80.0	80	21.9	36.0	41.7	2.84	8.0
24 HP	50	220-240	Min.:198, Max.:264	71.4	80.0	80	21.9	41.7	47.7	2.84	8.0
26 HP	50	220-240	Min.:198, Max.:264	72.7	80.0	80	21.9	49.5	47.4	2.84	8.0
22' HP	50	220-240	Min.:198, Max.:264	72.7	80.0	80	21.9	29.9	33.3	3.54	10.0
24' HP	50	220-240	Min.:198, Max.:264	72.7	80.0	80	21.9	36.4	41.8	3.54	10.0
26' HP	50	220-240	Min.:198, Max.:264	72.7	80.0	80	21.9	37.2	41.8	4.61	13.0
28 HP	50	220-240	Min.:198, Max.:264	72.7	80.0	80	21.9	42.2	51.5	4.61	13.0
30 HP	50	220-240	Min.:198, Max.:264	104.5	115.0	115	29.8	43.2	47.5	4.61	13.0
32 HP	50	220-240	Min.:198, Max.:264	109.1	120.0	120	32.9	46.7	56.4	4.61	13.0
34 HP	50	220-240	Min.:198, Max.:264	109.1	120.0	120	32.9	54.2	62.6	4.61	13.0
36 HP	50	220-240	Min.:198, Max.:264	109.1	120.0	120	32.9	59.9	68.6	4.61	13.0
38 HP	50	220-240	Min.:198, Max.:264	109.1	120.0	120	32.9	60.7	68.6	5.67	16.0
40 HP	50	220-240	Min.:198, Max.:264	109.1	120.0	120	32.9	65.6	78.3	5.67	16.0
42 HP	50	220-240	Min.:198, Max.:264	140.9	155.0	155	40.7	66.7	74.2	5.67	16.0
44 HP	50	220-240	Min.:198, Max.:264	145.5	160.0	160	43.8	70.1	83.2	5.67	16.0
46 HP	50	220-240	Min.:198, Max.:264	145.5	160.0	160	43.8	77.6	89.4	5.67	16.0
48 HP	50	220-240	Min.:198, Max.:264	145.5	160.0	160	43.8	83.3	95.4	5.67	16.0
50 HP	50	220-240	Min.:198, Max.:264	144.8	160.0	160	43.8	78.9	89.5	7.44	21.0
52 HP	50	220-240	Min.:198, Max.:264	145.5	160.0	160	43.8	83.8	99.2	7.44	21.0
54 HP	50	220-240	Min.:198, Max.:264	177.3	195.0	195	51.7	84.9	95.2	7.44	21.0
56 HP	50	220-240	Min.:198, Max.:264	180.2	200.0	200	54.8	88.3	104.1	7.44	21.0
58 HP	50	220-240	Min.:198, Max.:264	181.8	200.0	200	54.8	95.8	110.3	7.44	21.0
60 HP	50	220-240	Min.:198, Max.:264	181.0	200.0	200	54.8	101.5	116.3	7.44	21.0
62 HP	50	220-240	Min.:198, Max.:264	180.2	200.0	200	54.8	102.3	116.3	8.51	24.0
64 HP	50	220-240	Min.:198, Max.:264	181.8	200.0	200	54.8	107.3	126.0	8.51	24.0
66 HP	50	220-240	Min.:198, Max.:264	211.7	235.0	235	62.6	108.3	121.9	8.51	24.0
68 HP	50	220-240	Min.:198, Max.:264	218.2	240.0	240	65.7	111.8	130.9	8.51	24.0
70 HP	50	220-240	Min.:198, Max.:264	218.2	240.0	240	65.7	119.3	137.1	8.51	24.0
72 HP	50	220-240	Min.:198, Max.:264	216.2	240.0	240	65.7	125.0	143.1	8.51	24.0
74 HP	50	220-240	Min.:198, Max.:264	217.2	240.0	240	65.7	120.5	137.2	10.28	29.0
76 HP	50	220-240	Min.:198, Max.:264	218.2	240.0	240	65.7	125.5	146.9	10.28	29.0
78 HP	50	220-240	Min.:198, Max.:264	250.0	275.0	275	73.6	126.5	142.9	10.28	29.0
80 HP	50	220-240	Min.:198, Max.:264	254.5	280.0	280	76.7	130.0	151.8	10.28	29.0
82 HP	50	220-240	Min.:198, Max.:264	254.5	280.0	280	76.7	137.5	158.0	10.28	29.0
84 HP	50	220-240	Min.:198, Max.:264	252.3	280.0	280	76.7	143.2	164.0	10.28	29.0
86 HP	50	220-240	Min.:198, Max.:264	252.3	280.0	280	76.7	144.0	164.0	11.34	32.0

#### Note

1. Voltage supplied to the unit terminals should be within the minimum and maximum range.
  2. Maximum allowable voltage unbalance between phase is 2%.
  3. MSC means the Max. current during the starting of compressor.
  4. MSC and RLA are measured as the compressor only test condition.
  5. OFM are measured as the outdoor unit test condition.
  6. TOCA means the total over current value of each outdoor unit.
  7. Select the wire size based on the larger value among MCA or TOCA.
  8. MFA is recommended fuse amps.
  9. TOCA is minimum required amperes for selecting the circuit breaker and ground fault circuit interrupter. Please select the circuit breaker size equal or greater than TOCA. All installation site must require attachment of an earth leakage breaker.[Circuit breaker type is ELCB (Earth Leakage Circuit Breaker)].
  10. Select the electrical equipment of combination unit according to the electrical characteristics of individual unit.
- ': 2 unit combination models

#### Symbols

- MCA** : Minimum Circuit Amperes (A)  
**TOCA** : Total Over Current Amperes (A)  
**MFA** : Maximum Fuse Amperes (A)  
**MSC** : Maximum Starting Current (A)  
**RLA** : Rated Load Amperes (A)  
**OFM** : Outdoor Fan Motor  
**kW** : Fan Motor rated output (kW)  
**FLA** : Full Load Amperes (A)

## 6. Electric Characteristics

Model	Unit			Power Supply			COMP			OFM	
	Hz	Volts	Voltage-range	MCA	TOCA	MFA	MSC	RLA(Cooling)	RLA(Heating)	kW	FLA
88 HP	50	220-240	Min.:198, Max.:264	254.5	280.0	280	76.7	148.9	173.7	11.34	32.0
90 HP	50	220-240	Min.:198, Max.:264	286.4	315.0	315	84.5	150.0	169.6	11.34	32.0
92 HP	50	220-240	Min.:198, Max.:264	290.9	320.0	320	87.6	153.4	178.6	11.34	32.0
94 HP	50	220-240	Min.:198, Max.:264	290.9	320.0	320	87.6	160.9	184.8	11.34	32.0
96 HP	50	220-240	Min.:198, Max.:264	290.9	320.0	320	87.6	166.6	190.8	11.34	32.0

### Note

1. Voltage supplied to the unit terminals should be within the minimum and maximum range.
  2. Maximum allowable voltage unbalance between phase is 2%.
  3. MSC means the Max. current during the starting of compressor.
  4. MSC and RLA are measured as the compressor only test condition.
  5. OFM are measured as the outdoor unit test condition.
  6. TOCA means the total over current value of each outdoor unit.
  7. Select the wire size based on the larger value among MCA or TOCA.
  8. MFA is recommended fuse amps.
  9. TOCA is minimum required amperes for selecting the circuit breaker and ground fault circuit interrupter. Please select the circuit breaker size equal or greater than TOCA. All installation site must require attachment of an earth leakage breaker.[Circuit breaker type is ELCB (Earth Leakage Circuit Breaker)].
  10. Select the electrical equipment of combination unit according to the electrical characteristics of individual unit.
- \* : 2 unit combination models

### Symbols

- MCA** : Minimum Circuit Amperes (A)  
**TOCA** : Total Over Current Amperes (A)  
**MFA** : Maximum Fuse Amperes (A)  
**MSC** : Maximum Starting Current (A)  
**RLA** : Rated Load Amperes (A)  
**OFM** : Outdoor Fan Motor  
**kW** : Fan Motor rated output (kW)  
**FLA** : Full Load Amperes (A)



## 6. Electric Characteristics

### ■ 60Hz

Model	Unit			Power Supply			COMP			OFM	
	Hz	Volts	Voltage-range	MCA	TOCA	MFA	MSC	RLA(Cooling)	RLA(Heating)	kW	FLA
10 HP	60	220	Min.:198, Max.:242	34.8	40.0	40	11.0	11.7	12.4	1.77	5.0
12 HP	60	220	Min.:198, Max.:242	36.4	40.0	40	11.0	18.2	20.9	1.77	5.0
14 HP	60	220	Min.:198, Max.:242	35.7	40.0	40	11.0	19.0	20.9	2.84	8.0
16 HP	60	220	Min.:198, Max.:242	36.4	40.0	40	11.0	24.0	30.6	2.84	8.0
18 HP	60	220	Min.:198, Max.:242	53.6	75.0	75	18.8	25.0	26.5	2.84	8.0
20 HP	60	220	Min.:198, Max.:242	71.4	80.0	80	21.9	28.5	35.5	2.84	8.0
22 HP	60	220	Min.:198, Max.:242	72.7	80.0	80	21.9	36.0	41.7	2.84	8.0
24 HP	60	220	Min.:198, Max.:242	71.4	80.0	80	21.9	41.7	47.7	2.84	8.0
26 HP	60	220	Min.:198, Max.:242	72.7	80.0	80	21.9	49.5	47.4	2.84	8.0
22' HP	60	220	Min.:198, Max.:242	72.7	80.0	80	21.9	29.9	33.3	3.54	10.0
24' HP	60	220	Min.:198, Max.:242	72.7	80.0	80	21.9	36.4	41.8	3.54	10.0
26' HP	60	220	Min.:198, Max.:242	72.7	80.0	80	21.9	37.2	41.8	4.61	13.0
28 HP	60	220	Min.:198, Max.:242	72.7	80.0	80	21.9	42.2	51.5	4.61	13.0
30 HP	60	220	Min.:198, Max.:242	104.5	115.0	115	29.8	43.2	47.5	4.61	13.0
32 HP	60	220	Min.:198, Max.:242	109.1	120.0	120	32.9	46.7	56.4	4.61	13.0
34 HP	60	220	Min.:198, Max.:242	109.1	120.0	120	32.9	54.2	62.6	4.61	13.0
36 HP	60	220	Min.:198, Max.:242	109.1	120.0	120	32.9	59.9	68.6	4.61	13.0
38 HP	60	220	Min.:198, Max.:242	109.1	120.0	120	32.9	60.7	68.6	5.67	16.0
40 HP	60	220	Min.:198, Max.:242	109.1	120.0	120	32.9	65.6	78.3	5.67	16.0
42 HP	60	220	Min.:198, Max.:242	140.9	155.0	155	40.7	66.7	74.2	5.67	16.0
44 HP	60	220	Min.:198, Max.:242	145.5	160.0	160	43.8	70.1	83.2	5.67	16.0
46 HP	60	220	Min.:198, Max.:242	145.5	160.0	160	43.8	77.6	89.4	5.67	16.0
48 HP	60	220	Min.:198, Max.:242	145.5	160.0	160	43.8	83.3	95.4	5.67	16.0
50 HP	60	220	Min.:198, Max.:242	144.8	160.0	160	43.8	78.9	89.5	7.44	21.0
52 HP	60	220	Min.:198, Max.:242	145.5	160.0	160	43.8	83.8	99.2	7.44	21.0
54 HP	60	220	Min.:198, Max.:242	177.3	195.0	195	51.7	84.9	95.2	7.44	21.0
56 HP	60	220	Min.:198, Max.:242	180.2	200.0	200	54.8	88.3	104.1	7.44	21.0
58 HP	60	220	Min.:198, Max.:242	181.8	200.0	200	54.8	95.8	110.3	7.44	21.0
60 HP	60	220	Min.:198, Max.:242	181.0	200.0	200	54.8	101.5	116.3	7.44	21.0
62 HP	60	220	Min.:198, Max.:242	180.2	200.0	200	54.8	102.3	116.3	8.51	24.0
64 HP	60	220	Min.:198, Max.:242	181.8	200.0	200	54.8	107.3	126.0	8.51	24.0
66 HP	60	220	Min.:198, Max.:242	211.7	235.0	235	62.6	108.3	121.9	8.51	24.0
68 HP	60	220	Min.:198, Max.:242	218.2	240.0	240	65.7	111.8	130.9	8.51	24.0
70 HP	60	220	Min.:198, Max.:242	218.2	240.0	240	65.7	119.3	137.1	8.51	24.0
72 HP	60	220	Min.:198, Max.:242	216.2	240.0	240	65.7	125.0	143.1	8.51	24.0
74 HP	60	220	Min.:198, Max.:242	217.2	240.0	240	65.7	120.5	137.2	10.28	29.0
76 HP	60	220	Min.:198, Max.:242	218.2	240.0	240	65.7	125.5	146.9	10.28	29.0
78 HP	60	220	Min.:198, Max.:242	250.0	275.0	275	73.6	126.5	142.9	10.28	29.0
80 HP	60	220	Min.:198, Max.:242	254.5	280.0	280	76.7	130.0	151.8	10.28	29.0
82 HP	60	220	Min.:198, Max.:242	254.5	280.0	280	76.7	137.5	158.0	10.28	29.0
84 HP	60	220	Min.:198, Max.:242	252.3	280.0	280	76.7	143.2	164.0	10.28	29.0
86 HP	60	220	Min.:198, Max.:242	252.3	280.0	280	76.7	144.0	164.0	11.34	32.0

#### Note

1. Voltage supplied to the unit terminals should be within the minimum and maximum range.
  2. Maximum allowable voltage unbalance between phase is 2%.
  3. MSC means the Max. current during the starting of compressor.
  4. MSC and RLA are measured as the compressor only test condition.
  5. OFM are measured as the outdoor unit test condition.
  6. TOCA means the total over current value of each outdoor unit.
  7. Select the wire size based on the larger value among MCA or TOCA.
  8. MFA is recommended fuse amps.
  9. TOCA is minimum required amperes for selecting the circuit breaker and ground fault circuit interrupter. Please select the circuit breaker size equal or greater than TOCA. All installation site must require attachment of an earth leakage breaker.[Circuit breaker type is ELCB (Earth Leakage Circuit Breaker)].
  10. Select the electrical equipment of combination unit according to the electrical characteristics of individual unit.
- ': 2 unit combination models

#### Symbols

- MCA** : Minimum Circuit Amperes (A)  
**TOCA** : Total Over Current Amperes (A)  
**MFA** : Maximum Fuse Amperes (A)  
**MSC** : Maximum Starting Current (A)  
**RLA** : Rated Load Amperes (A)  
**OFM** : Outdoor Fan Motor  
**kW** : Fan Motor rated output (kW)  
**FLA** : Full Load Amperes (A)

## 6. Electric Characteristics

Model	Unit			Power Supply			COMP			OFM	
	Hz	Volts	Voltage-range	MCA	TOCA	MFA	MSC	RLA(Cooling)	RLA(Heating)	kW	FLA
88 HP	60	220	Min.:198, Max.:242	254.5	280.0	280	76.7	148.9	173.7	11.34	32.0
90 HP	60	220	Min.:198, Max.:242	286.4	315.0	315	84.5	150.0	169.6	11.34	32.0
92 HP	60	220	Min.:198, Max.:242	290.9	320.0	320	87.6	153.4	178.6	11.34	32.0
94 HP	60	220	Min.:198, Max.:242	290.9	320.0	320	87.6	160.9	184.8	11.34	32.0
96 HP	60	220	Min.:198, Max.:242	290.9	320.0	320	87.6	166.6	190.8	11.34	32.0

### Note

- Voltage supplied to the unit terminals should be within the minimum and maximum range.
  - Maximum allowable voltage unbalance between phase is 2%.
  - MSC means the Max. current during the starting of compressor.
  - MSC and RLA are measured as the compressor only test condition.
  - OFM are measured as the outdoor unit test condition.
  - TOCA means the total over current value of each outdoor unit.
  - Select the wire size based on the larger value among MCA or TOCA.
  - MFA is recommended fuse amps.
  - TOCA is minimum required amperes for selecting the circuit breaker and ground fault circuit interrupter. Please select the circuit breaker size equal or greater than TOCA. All installation site must require attachment of an earth leakage breaker.[Circuit breaker type is ELCB (Earth Leakage Circuit Breaker)].
  - Select the electrical equipment of combination unit according to the electrical characteristics of individual unit.
- \* : 2 unit combination models

### Symbols

- MCA** : Minimum Circuit Amperes (A)  
**TOCA** : Total Over Current Amperes (A)  
**MFA** : Maximum Fuse Amperes (A)  
**MSC** : Maximum Starting Current (A)  
**RLA** : Rated Load Amperes (A)  
**OFM** : Outdoor Fan Motor  
**kW** : Fan Motor rated output (kW)  
**FLA** : Full Load Amperes (A)

# 7. Capacity Tables

## 7.1 Cooling Capacity

### 7.1.1 Single Unit

◆ ARUN100BTE5

Cooling Capacity (10HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
130	10	25.6	2.55	30.5	3.11	32.7	3.61	33.6	3.69	34.6	3.72	36.2	3.75	37.2	3.76
	12	25.6	2.61	30.5	3.23	32.7	3.76	33.6	3.79	34.6	3.82	36.2	3.85	37.2	3.88
	14	25.6	2.70	30.5	3.34	32.7	3.90	33.6	3.93	34.6	3.96	36.2	3.99	37.2	4.03
	16	25.6	2.80	30.5	3.46	32.7	4.08	33.6	4.12	34.6	4.15	36.2	4.19	37.2	4.22
	18	25.6	2.91	30.5	3.66	32.7	4.26	33.6	4.36	34.6	4.39	36.2	4.44	37.2	4.47
	20	25.6	3.04	30.5	3.90	32.7	4.48	33.6	4.79	34.6	4.83	35.7	4.88	36.6	4.91
	21	25.6	3.12	30.5	4.04	32.7	4.57	33.6	5.07	34.6	5.11	35.5	5.16	36.4	5.20
	23	25.6	3.35	30.5	4.24	32.7	4.81	33.6	5.60	34.1	5.64	35.0	5.70	35.9	5.74
	25	25.6	3.58	30.5	4.49	32.7	5.14	33.2	6.21	33.6	6.26	34.6	6.32	35.5	6.36
	27	25.6	3.83	30.5	4.80	32.3	5.47	32.7	6.83	33.2	6.89	34.1	6.96	35.0	7.00
	29	25.6	4.08	30.5	5.13	31.7	5.89	32.2	7.51	32.7	7.55	33.6	7.62	34.6	7.65
	31	25.6	4.35	30.4	5.40	31.2	6.26	31.7	7.48	32.2	7.52	33.1	7.59	34.0	7.62
	33	25.6	4.64	29.9	5.73	30.8	6.72	31.3	7.41	31.7	7.45	32.7	7.52	33.5	7.55
	35	25.6	4.95	29.3	6.00	30.3	7.28	30.8	7.31	31.3	7.36	32.2	7.42	33.1	7.45
	37	25.6	5.28	28.9	6.29	29.9	7.18	30.3	7.22	30.8	7.26	31.6	7.32	32.6	7.35
	39	25.6	5.62	28.4	6.62	29.3	7.08	29.9	7.12	30.3	7.16	31.2	7.23	32.2	7.25
	41	24.9	5.96	27.2	6.95	28.2	6.99	28.6	7.02	29.1	7.06	30.0	7.13	30.8	7.16
	43	24.3	6.28	26.1	6.86	27.0	6.89	27.4	6.93	28.0	6.97	28.8	7.03	29.6	7.06
46	22.8	6.73	23.8	6.71	24.7	6.75	25.1	6.78	25.6	6.82	26.4	6.88	27.1	6.91	
48	20.2	6.54	20.7	6.56	21.4	6.57	21.8	6.59	22.3	6.65	23.0	6.69	23.6	6.72	
120	10	23.7	2.29	28.2	2.81	30.8	3.34	31.7	3.61	32.6	3.67	34.4	3.68	35.3	3.71
	12	23.7	2.35	28.2	2.91	30.8	3.47	31.7	3.69	32.6	3.80	34.4	3.85	35.3	3.88
	14	23.7	2.44	28.2	3.00	30.8	3.61	31.7	3.83	32.6	3.94	34.4	4.00	35.3	4.03
	16	23.7	2.52	28.2	3.13	30.8	3.75	31.7	3.97	32.6	4.12	34.4	4.17	35.3	4.21
	18	23.7	2.62	28.2	3.27	30.8	3.90	31.7	4.18	32.6	4.34	34.4	4.39	35.3	4.42
	20	23.7	2.72	28.2	3.47	30.8	4.11	31.7	4.40	32.6	4.57	34.4	4.63	35.3	4.66
	21	23.7	2.80	28.2	3.59	30.8	4.23	31.7	4.53	32.6	4.72	34.4	4.78	35.3	4.81
	23	23.7	3.00	28.2	3.84	30.8	4.53	31.7	4.81	32.6	5.03	34.4	5.08	35.3	5.12
	25	23.7	3.20	28.2	4.11	30.8	4.78	31.7	5.13	32.6	5.39	34.0	5.44	34.8	5.48
	27	23.7	3.42	28.2	4.40	30.8	5.09	31.7	5.48	32.6	5.79	33.5	5.83	34.3	5.88
	29	23.7	3.65	28.2	4.70	30.8	5.35	31.7	5.86	32.1	6.17	33.0	6.27	33.9	6.32
	31	23.7	3.89	28.2	5.02	30.8	5.63	31.3	6.28	31.7	6.62	32.5	6.74	33.4	6.80
	33	23.7	4.14	28.2	5.35	30.4	5.96	30.8	6.82	31.2	7.11	32.0	7.19	32.9	7.25
	35	23.7	4.40	28.2	5.70	29.8	6.30	30.2	7.51	30.8	7.55	31.6	7.57	32.4	7.63
	37	23.7	4.73	28.2	6.01	29.4	6.72	29.8	7.35	30.2	7.39	31.1	7.41	31.9	7.47
	39	23.7	5.09	28.1	6.36	28.9	7.13	29.3	7.20	29.7	7.24	30.7	7.26	31.5	7.32
	41	23.1	5.46	26.8	6.70	27.7	6.99	28.1	7.05	28.5	7.08	29.4	7.11	30.2	7.16
	43	22.5	5.82	25.7	6.60	26.6	6.83	27.0	6.90	27.4	6.93	28.2	6.95	29.0	7.01
46	21.1	6.26	23.4	6.45	24.3	6.62	24.6	6.67	25.0	6.70	25.8	6.72	26.5	6.78	
48	18.7	6.14	20.3	6.33	21.1	6.49	21.4	6.53	21.8	6.55	22.4	6.57	23.1	6.60	
110	10	21.7	2.06	25.8	2.51	28.9	2.99	29.7	3.23	31.6	3.48	32.3	3.57	34.5	3.63
	12	21.7	2.13	25.8	2.60	28.9	3.11	29.7	3.32	31.6	3.61	32.3	3.72	34.5	3.81
	14	21.7	2.19	25.8	2.72	28.9	3.25	29.7	3.49	31.6	3.79	32.3	3.90	34.5	3.98
	16	21.7	2.27	25.8	2.81	28.9	3.38	29.7	3.64	31.6	3.96	32.3	4.07	34.5	4.14
	18	21.7	2.35	25.8	2.93	28.9	3.58	29.7	3.83	31.6	4.18	32.3	4.26	34.5	4.34
	20	21.7	2.44	25.8	3.08	28.9	3.80	29.7	4.01	31.6	4.39	32.3	4.49	34.5	4.57
	21	21.7	2.49	25.8	3.17	28.9	3.89	29.7	4.12	31.6	4.51	32.3	4.62	34.5	4.69
	23	21.7	2.66	25.8	3.40	28.9	4.11	29.7	4.35	31.6	4.76	32.3	4.86	34.5	4.94
	25	21.7	2.84	25.8	3.62	28.9	4.34	29.7	4.59	31.6	5.03	32.3	5.10	34.0	5.21
	27	21.7	3.03	25.8	3.88	28.9	4.59	29.7	4.86	31.6	5.25	32.3	5.37	33.5	5.47
	29	21.7	3.24	25.8	4.14	28.9	4.85	29.7	5.15	31.6	5.55	32.3	5.65	33.1	5.73
	31	21.7	3.44	25.8	4.41	28.9	5.12	29.7	5.46	31.0	5.83	31.9	5.95	32.6	6.01
	33	21.7	3.67	25.8	4.70	28.9	5.41	29.7	5.78	30.6	6.16	31.4	6.26	32.2	6.30
	35	21.7	3.90	25.8	5.02	28.9	5.72	29.7	6.13	30.1	6.50	30.8	6.56	31.7	6.60
	37	21.7	4.13	25.8	5.32	28.9	6.04	29.3	6.49	29.6	6.86	30.4	6.88	31.1	6.90
	39	21.7	4.45	25.8	5.66	28.3	6.37	28.7	6.94	29.2	7.20	29.9	7.21	30.7	7.22
	41	21.1	4.78	25.2	5.99	27.1	6.72	27.5	7.51	27.9	7.51	28.7	7.57	29.4	7.63
	43	20.6	5.02	24.5	6.24	26.0	7.12	26.4	7.20	26.8	7.19	27.5	7.23	28.2	7.25
46	19.3	4.90	23.0	6.02	23.7	6.76	24.1	6.76	24.4	6.82	25.2	6.86	25.8	6.87	
48	17.1	4.76	20.0	5.80	20.6	6.43	21.0	6.47	21.2	6.51	21.9	6.52	22.5	6.55	

# 7. Capacity Tables

Cooling Capacity (10HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	18.9	1.86	22.5	2.26	26.2	2.68	28.0	2.89	29.8	3.11	33.0	3.46	33.8	3.49
	12	18.9	1.92	22.5	2.35	26.2	2.77	28.0	2.97	29.8	3.21	33.0	3.65	33.8	3.68
	14	18.9	1.98	22.5	2.44	26.2	2.88	28.0	3.10	29.8	3.35	33.0	3.85	33.8	3.89
	16	18.9	2.04	22.5	2.52	26.2	3.01	28.0	3.25	29.8	3.53	33.0	4.04	33.8	4.09
	18	18.9	2.10	22.5	2.62	26.2	3.12	28.0	3.41	29.8	3.74	33.0	4.26	33.8	4.30
	20	18.9	2.17	22.5	2.72	26.2	3.31	28.0	3.65	29.8	4.00	33.0	4.47	33.8	4.50
	21	18.9	2.22	22.5	2.78	26.2	3.42	28.0	3.77	29.8	4.15	33.0	4.57	33.8	4.61
	23	18.9	2.35	22.5	2.98	26.2	3.67	28.0	4.05	29.8	4.45	33.0	4.79	33.8	4.82
	25	18.9	2.50	22.5	3.17	26.2	3.92	28.0	4.33	29.8	4.75	33.0	4.99	33.5	5.03
	27	18.9	2.67	22.5	3.39	26.2	4.19	28.0	4.63	29.8	5.05	32.4	5.23	33.1	5.27
	29	18.9	2.84	22.5	3.61	26.2	4.48	28.0	4.95	29.8	5.35	31.8	5.44	32.6	5.48
	31	18.9	3.03	22.5	3.85	26.2	4.78	28.0	5.28	29.8	5.62	31.3	5.65	32.1	5.69
	33	18.9	3.21	22.5	4.10	26.2	5.10	28.0	5.63	29.8	5.83	30.8	5.86	31.6	5.90
	35	18.9	3.42	22.5	4.37	26.2	5.43	28.0	6.01	29.3	6.04	30.3	6.07	31.0	6.12
	37	18.9	3.66	22.5	4.68	26.2	5.75	28.0	6.29	28.9	6.32	29.7	6.35	30.4	6.41
	39	18.9	3.93	22.5	5.03	26.2	6.09	28.0	6.60	28.4	6.63	29.2	6.65	29.9	6.72
	41	18.6	4.19	22.1	5.38	25.8	6.43	26.9	6.91	27.5	6.94	28.1	6.96	29.0	7.03
	43	18.0	4.43	21.4	5.70	24.9	6.74	25.8	7.17	26.1	7.20	26.9	7.22	27.6	7.29
46	16.8	4.77	20.0	6.15	23.3	7.15	23.5	7.51	23.8	7.53	24.5	7.55	25.2	7.62	
48	14.9	4.12	17.7	5.32	20.1	6.11	20.4	6.37	20.7	6.39	21.3	6.41	21.9	6.46	
90	10	17.0	1.60	20.3	1.93	23.6	2.27	25.2	2.45	26.8	2.64	30.1	2.95	33.4	3.28
	12	17.0	1.62	20.3	1.96	23.6	2.31	25.2	2.50	26.8	2.70	30.1	3.01	33.4	3.34
	14	17.0	1.65	20.3	2.00	23.6	2.36	25.2	2.55	26.8	2.74	30.1	3.07	33.4	3.41
	16	17.0	1.68	20.3	2.04	23.6	2.41	25.2	2.60	26.8	2.79	30.1	3.13	33.4	3.47
	18	17.0	1.71	20.3	2.08	23.6	2.45	25.2	2.66	26.8	2.85	30.1	3.19	33.4	3.64
	20	17.0	1.74	20.3	2.12	23.6	2.50	25.2	2.71	26.8	2.96	30.1	3.42	33.4	3.81
	21	17.0	1.76	20.3	2.13	23.6	2.55	25.2	2.79	26.8	3.07	30.1	3.47	33.4	3.90
	23	17.0	1.80	20.3	2.22	23.6	2.73	25.2	3.00	26.8	3.29	30.1	3.68	32.9	4.09
	25	17.0	1.89	20.3	2.37	23.6	2.91	25.2	3.21	26.8	3.51	30.1	3.94	32.5	4.26
	27	17.0	2.02	20.3	2.53	23.6	3.11	25.2	3.42	26.8	3.76	30.1	4.19	32.0	4.46
	29	17.0	2.13	20.3	2.70	23.6	3.33	25.2	3.66	26.8	4.01	30.1	4.44	31.5	4.64
	31	17.0	2.27	20.3	2.87	23.6	3.54	25.2	3.90	26.8	4.28	30.1	4.66	31.0	4.82
	33	17.0	2.42	20.3	3.06	23.6	3.78	25.2	4.15	26.8	4.54	30.1	4.88	30.6	5.00
	35	17.0	2.57	20.3	3.25	23.6	4.01	25.2	4.43	26.8	4.81	29.6	5.16	30.1	5.28
	37	17.0	2.73	20.3	3.45	23.6	4.28	25.2	4.70	26.8	5.08	29.1	5.40	29.6	5.52
	39	17.0	2.89	20.3	3.67	23.6	4.53	25.2	5.00	26.8	5.34	28.6	5.69	29.1	5.76
	41	16.6	3.23	19.8	4.07	23.0	4.97	24.6	5.47	26.1	5.77	27.4	6.00	27.9	6.13
	43	16.2	3.49	19.3	4.40	22.4	5.43	23.9	5.89	25.5	6.18	26.3	6.42	26.8	6.50
46	15.1	3.92	18.1	5.01	21.0	6.19	22.4	6.68	23.1	6.87	24.0	7.05	24.5	7.06	
48	13.4	3.43	16.0	4.38	18.6	5.41	19.9	5.83	20.1	5.92	20.9	6.07	21.3	6.08	
80	10	15.1	1.38	18.0	1.66	20.9	1.95	22.4	2.10	23.9	2.26	26.8	2.57	29.7	2.79
	12	15.1	1.41	18.0	1.68	20.9	1.99	22.4	2.14	23.9	2.29	26.8	2.62	29.7	2.85
	14	15.1	1.43	18.0	1.72	20.9	2.02	22.4	2.18	23.9	2.33	26.8	2.67	29.7	2.90
	16	15.1	1.45	18.0	1.75	20.9	2.05	22.4	2.22	23.9	2.38	26.8	2.73	29.7	2.96
	18	15.1	1.48	18.0	1.78	20.9	2.09	22.4	2.26	23.9	2.43	26.8	2.77	29.7	3.02
	20	15.1	1.51	18.0	1.81	20.9	2.14	22.4	2.30	23.9	2.48	26.8	2.88	29.7	3.20
	21	15.1	1.52	18.0	1.83	20.9	2.16	22.4	2.33	23.9	2.53	26.8	2.97	29.7	3.29
	23	15.1	1.55	18.0	1.86	20.9	2.26	22.4	2.48	23.9	2.71	26.8	3.14	29.7	3.45
	25	15.1	1.60	18.0	1.99	20.9	2.42	22.4	2.65	23.9	2.90	26.8	3.36	29.7	3.69
	27	15.1	1.70	18.0	2.11	20.9	2.58	22.4	2.83	23.9	3.09	26.8	3.57	29.7	3.88
	29	15.1	1.81	18.0	2.26	20.9	2.75	22.4	3.01	23.9	3.30	26.8	3.82	29.7	4.16
	31	15.1	1.92	18.0	2.39	20.9	2.93	22.4	3.22	23.9	3.51	26.8	4.06	29.7	4.36
	33	15.1	2.04	18.0	2.55	20.9	3.12	22.4	3.43	23.9	3.74	26.8	4.27	29.7	4.58
	35	15.1	2.16	18.0	2.71	20.9	3.32	22.4	3.65	23.9	3.99	26.8	4.53	29.4	4.74
	37	15.1	2.29	18.0	2.88	20.9	3.52	22.4	3.88	23.9	4.24	26.8	4.78	28.9	4.96
	39	15.1	2.42	18.0	3.04	20.9	3.77	22.4	4.17	23.9	4.56	26.8	5.05	28.4	5.23
	41	14.7	2.67	17.5	3.37	20.4	4.14	21.8	4.57	23.3	5.01	26.1	5.62	27.2	5.80
	43	14.3	2.94	17.1	3.68	19.9	4.52	21.3	4.98	22.7	5.48	25.5	6.02	26.1	6.20
46	13.4	3.27	16.0	4.15	18.6	5.09	19.9	5.54	21.3	6.18	23.3	6.57	23.8	6.67	
48	11.9	2.86	14.2	3.62	16.5	4.45	17.6	4.84	18.8	5.41	20.2	5.69	20.7	5.74	

# 7. Capacity Tables

Cooling Capacity (10HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
70	10	13.2	1.25	15.8	1.48	18.3	1.72	19.6	1.86	20.9	1.99	23.4	2.26	26.0	2.53
	12	13.2	1.27	15.8	1.50	18.3	1.76	19.6	1.89	20.9	2.03	23.4	2.30	26.0	2.58
	14	13.2	1.29	15.8	1.52	18.3	1.79	19.6	1.92	20.9	2.06	23.4	2.35	26.0	2.62
	16	13.2	1.31	15.8	1.55	18.3	1.82	19.6	1.96	20.9	2.09	23.4	2.39	26.0	2.68
	18	13.2	1.33	15.8	1.58	18.3	1.86	19.6	2.00	20.9	2.13	23.4	2.43	26.0	2.73
	20	13.2	1.35	15.8	1.61	18.3	1.89	19.6	2.04	20.9	2.18	23.4	2.49	26.0	2.83
	21	13.2	1.37	15.8	1.62	18.3	1.91	19.6	2.06	20.9	2.20	23.4	2.53	26.0	2.89
	23	13.2	1.39	15.8	1.66	18.3	1.95	19.6	2.12	20.9	2.31	23.4	2.70	26.0	3.05
	25	13.2	1.41	15.8	1.72	18.3	2.07	19.6	2.27	20.9	2.47	23.4	2.89	26.0	3.20
	27	13.2	1.48	15.8	1.84	18.3	2.21	19.6	2.41	20.9	2.64	23.4	3.09	26.0	3.40
	29	13.2	1.58	15.8	1.95	18.3	2.35	19.6	2.57	20.9	2.80	23.4	3.29	26.0	3.65
	31	13.2	1.68	15.8	2.07	18.3	2.51	19.6	2.74	20.9	2.99	23.4	3.51	26.0	3.87
	33	13.2	1.78	15.8	2.19	18.3	2.66	19.6	2.91	20.9	3.18	23.4	3.74	26.0	4.12
	35	13.2	1.88	15.8	2.34	18.3	2.83	19.6	3.10	20.9	3.38	23.4	3.98	26.0	4.37
	37	13.2	2.00	15.8	2.48	18.3	3.01	19.6	3.29	20.9	3.60	23.4	4.24	26.0	4.61
	39	13.2	2.12	15.8	2.64	18.3	3.22	19.6	3.54	20.9	3.89	23.4	4.54	26.0	4.97
41	12.9	2.34	15.4	2.90	17.8	3.53	19.1	3.89	20.4	4.23	22.8	4.98	25.3	5.36	
43	12.5	2.55	15.0	3.16	17.4	3.85	18.6	4.24	19.9	4.62	22.2	5.44	24.7	5.79	
46	11.8	2.83	14.1	3.55	16.3	4.34	17.5	4.72	18.6	5.20	20.8	6.14	23.2	6.46	
48	10.4	2.47	12.4	3.10	14.4	3.79	15.4	4.13	16.5	4.55	18.4	5.37	20.5	5.59	
60	10	11.3	1.11	13.5	1.30	15.7	1.51	16.8	1.62	17.9	1.72	20.1	1.95	22.3	2.18
	12	11.3	1.13	13.5	1.32	15.7	1.53	16.8	1.64	17.9	1.75	20.1	1.98	22.3	2.22
	14	11.3	1.14	13.5	1.34	15.7	1.56	16.8	1.67	17.9	1.78	20.1	2.02	22.3	2.26
	16	11.3	1.16	13.5	1.37	15.7	1.58	16.8	1.70	17.9	1.82	20.1	2.06	22.3	2.30
	18	11.3	1.18	13.5	1.39	15.7	1.61	16.8	1.73	17.9	1.85	20.1	2.09	22.3	2.36
	20	11.3	1.20	13.5	1.41	15.7	1.64	16.8	1.76	17.9	1.88	20.1	2.13	22.3	2.41
	21	11.3	1.21	13.5	1.42	15.7	1.66	16.8	1.78	17.9	1.90	20.1	2.16	22.3	2.43
	23	11.3	1.23	13.5	1.45	15.7	1.68	16.8	1.81	17.9	1.94	20.1	2.24	22.3	2.58
	25	11.3	1.25	13.5	1.48	15.7	1.75	16.8	1.90	17.9	2.06	20.1	2.40	22.3	2.76
	27	11.3	1.29	13.5	1.56	15.7	1.86	16.8	2.02	17.9	2.19	20.1	2.55	22.3	2.94
	29	11.3	1.37	13.5	1.66	15.7	1.98	16.8	2.15	17.9	2.34	20.1	2.72	22.3	3.14
	31	11.3	1.45	13.5	1.76	15.7	2.10	16.8	2.29	17.9	2.49	20.1	2.90	22.3	3.34
	33	11.3	1.53	13.5	1.86	15.7	2.23	16.8	2.44	17.9	2.65	20.1	3.08	22.3	3.56
	35	11.3	1.62	13.5	1.98	15.7	2.38	16.8	2.59	17.9	2.81	20.1	3.28	22.3	3.78
	37	11.3	1.71	13.5	2.09	15.7	2.52	16.8	2.75	17.9	2.98	20.1	3.48	22.3	4.03
	39	11.3	1.82	13.5	2.23	15.7	2.72	16.8	2.95	17.9	3.21	20.1	3.73	22.3	4.31
41	11.0	1.97	13.2	2.44	15.3	2.95	16.4	3.22	17.4	3.48	19.6	4.10	21.7	4.69	
43	10.7	2.14	12.8	2.65	14.9	3.22	16.0	3.51	17.0	3.80	19.1	4.47	21.2	5.12	
46	10.1	2.40	12.0	2.98	14.0	3.62	15.0	3.94	15.9	4.27	17.9	5.04	19.9	5.83	
48	8.9	2.09	10.6	2.60	12.4	3.16	13.2	3.45	14.1	3.73	15.8	4.41	17.6	5.10	
50	10	9.5	0.98	11.3	1.13	13.1	1.29	14.0	1.38	14.9	1.46	16.7	1.65	18.6	1.83
	12	9.5	0.99	11.3	1.14	13.1	1.31	14.0	1.40	14.9	1.49	16.7	1.68	18.6	1.86
	14	9.5	1.00	11.3	1.16	13.1	1.33	14.0	1.42	14.9	1.51	16.7	1.70	18.6	1.89
	16	9.5	1.02	11.3	1.18	13.1	1.35	14.0	1.45	14.9	1.53	16.7	1.73	18.6	1.93
	18	9.5	1.03	11.3	1.19	13.1	1.37	14.0	1.47	14.9	1.57	16.7	1.76	18.6	1.97
	20	9.5	1.04	11.3	1.21	13.1	1.40	14.0	1.49	14.9	1.60	16.7	1.79	18.6	2.01
	21	9.5	1.05	11.3	1.23	13.1	1.41	14.0	1.51	14.9	1.61	16.7	1.81	18.6	2.03
	23	9.5	1.07	11.3	1.25	13.1	1.43	14.0	1.53	14.9	1.64	16.7	1.84	18.6	2.07
	25	9.5	1.08	11.3	1.27	13.1	1.46	14.0	1.57	14.9	1.69	16.7	1.94	18.6	2.21
	27	9.5	1.10	11.3	1.31	13.1	1.54	14.0	1.67	14.9	1.79	16.7	2.07	18.6	2.36
	29	9.5	1.16	11.3	1.39	13.1	1.64	14.0	1.77	14.9	1.90	16.7	2.19	18.6	2.50
	31	9.5	1.23	11.3	1.47	13.1	1.74	14.0	1.87	14.9	2.03	16.7	2.34	18.6	2.67
	33	9.5	1.30	11.3	1.55	13.1	1.84	14.0	1.99	14.9	2.15	16.7	2.48	18.6	2.84
	35	9.5	1.37	11.3	1.65	13.1	1.95	14.0	2.11	14.9	2.28	16.7	2.63	18.6	3.02
	37	9.5	1.45	11.3	1.74	13.1	2.06	14.0	2.23	14.9	2.41	16.7	2.80	18.6	3.20
	39	9.5	1.55	11.3	1.87	13.1	2.21	14.0	2.41	14.9	2.59	16.7	2.98	18.6	3.46
41	9.2	1.67	11.0	2.02	12.8	2.41	13.6	2.60	14.5	2.80	16.3	3.27	18.1	3.76	
43	9.0	1.82	10.7	2.20	12.4	2.62	13.3	2.84	14.2	3.05	15.9	3.57	17.7	4.10	
46	8.4	2.04	10.1	2.46	11.7	2.94	12.5	3.19	13.3	3.42	14.9	4.01	16.6	4.61	
48	7.4	1.78	8.9	2.15	10.3	2.57	11.0	2.78	11.7	2.99	13.2	3.51	14.7	4.03	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN120BTE5

Cooling Capacity (12HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	30.7	3.46	36.6	4.23	39.2	4.91	40.3	5.01	41.5	5.05	43.5	5.09	44.6	5.11
	12	30.7	3.55	36.6	4.38	39.2	5.11	40.3	5.15	41.5	5.19	43.5	5.23	44.6	5.27
	14	30.7	3.67	36.6	4.54	39.2	5.30	40.3	5.34	41.5	5.39	43.5	5.43	44.6	5.48
	16	30.7	3.80	36.6	4.70	39.2	5.54	40.3	5.59	41.5	5.64	43.5	5.69	44.6	5.73
	18	30.7	3.96	36.6	4.97	39.2	5.80	40.3	5.92	41.5	5.97	43.5	6.03	44.6	6.07
	20	30.7	4.14	36.6	5.30	39.2	6.08	40.3	6.51	41.5	6.57	42.8	6.63	44.0	6.68
	21	30.7	4.25	36.6	5.48	39.2	6.21	40.3	6.89	41.5	6.95	42.6	7.02	43.7	7.07
	23	30.7	4.55	36.6	5.77	39.2	6.53	40.3	7.61	40.9	7.67	42.0	7.74	43.1	7.80
	25	30.7	4.86	36.6	6.10	39.2	6.98	39.9	8.44	40.3	8.50	41.5	8.59	42.6	8.65
	27	30.7	5.21	36.6	6.52	38.7	7.44	39.2	9.29	39.9	9.36	40.9	9.45	42.0	9.52
	29	30.7	5.55	36.6	6.97	38.1	8.00	38.6	10.21	39.2	10.27	40.3	10.36	41.5	10.40
	31	30.7	5.92	36.5	7.34	37.5	8.51	38.1	10.16	38.6	10.22	39.7	10.32	40.8	10.36
	33	30.7	6.31	35.8	7.78	37.0	9.13	37.6	10.07	38.1	10.13	39.2	10.22	40.2	10.26
	35	30.7	6.72	35.2	8.15	36.3	9.89	37.0	9.94	37.6	10.00	38.6	10.09	39.7	10.13
	37	30.7	7.17	34.7	8.55	35.8	9.76	36.3	9.81	37.0	9.87	38.0	9.95	39.1	9.99
	39	30.7	7.63	34.1	9.00	35.2	9.63	35.8	9.68	36.3	9.73	37.5	9.82	38.6	9.86
	41	29.9	8.10	32.7	9.45	33.8	9.50	34.3	9.55	35.0	9.60	36.0	9.69	37.0	9.73
	43	29.2	8.54	31.3	9.32	32.4	9.37	32.9	9.41	33.6	9.47	34.6	9.56	35.5	9.59
46	27.4	9.14	28.6	9.12	29.6	9.17	30.1	9.22	30.7	9.27	31.7	9.36	32.5	9.39	
48	24.2	8.89	24.8	8.92	25.7	8.93	26.1	8.96	26.7	9.04	27.6	9.09	28.3	9.13	
120	10	28.4	3.12	33.8	3.82	36.9	4.54	38.0	4.91	39.2	4.98	41.3	5.00	42.3	5.04
	12	28.4	3.20	33.8	3.95	36.9	4.72	38.0	5.01	39.2	5.17	41.3	5.23	42.3	5.27
	14	28.4	3.31	33.8	4.08	36.9	4.91	38.0	5.20	39.2	5.36	41.3	5.44	42.3	5.48
	16	28.4	3.43	33.8	4.25	36.9	5.10	38.0	5.39	39.2	5.61	41.3	5.67	42.3	5.72
	18	28.4	3.56	33.8	4.44	36.9	5.31	38.0	5.68	39.2	5.89	41.3	5.96	42.3	6.01
	20	28.4	3.70	33.8	4.71	36.9	5.59	38.0	5.98	39.2	6.21	41.3	6.29	42.3	6.34
	21	28.4	3.81	33.8	4.88	36.9	5.75	38.0	6.15	39.2	6.41	41.3	6.49	42.3	6.54
	23	28.4	4.07	33.8	5.22	36.9	6.16	38.0	6.54	39.2	6.83	41.3	6.90	42.3	6.96
	25	28.4	4.35	33.8	5.59	36.9	6.50	38.0	6.97	39.2	7.33	40.8	7.39	41.8	7.45
	27	28.4	4.65	33.8	5.98	36.9	6.91	38.0	7.44	39.2	7.87	40.2	7.93	41.2	7.99
	29	28.4	4.96	33.8	6.38	36.9	7.28	38.0	7.97	38.5	8.39	39.5	8.52	40.7	8.59
	31	28.4	5.28	33.8	6.82	36.9	7.65	37.5	8.54	38.0	9.00	39.0	9.16	40.0	9.24
	33	28.4	5.62	33.8	7.27	36.4	8.10	36.9	9.26	37.4	9.67	38.4	9.78	39.4	9.85
	35	28.4	5.98	33.8	7.75	35.8	8.57	36.3	10.21	36.9	10.26	37.9	10.29	38.9	10.37
	37	28.4	6.43	33.8	8.17	35.3	9.14	35.8	9.99	36.3	10.04	37.3	10.07	38.3	10.15
	39	28.4	6.92	33.7	8.64	34.7	9.69	35.2	9.79	35.7	9.84	36.8	9.86	37.8	9.94
	41	27.7	7.42	32.2	9.10	33.3	9.50	33.7	9.58	34.2	9.63	35.2	9.66	36.2	9.73
	43	27.0	7.92	30.8	8.97	31.9	9.29	32.4	9.38	32.9	9.42	33.8	9.45	34.8	9.53
46	25.3	8.51	28.1	8.76	29.1	8.99	29.6	9.07	30.0	9.11	30.9	9.14	31.8	9.21	
48	22.4	8.34	24.4	8.60	25.3	8.82	25.7	8.87	26.1	8.90	26.9	8.94	27.7	8.97	
110	10	26.0	2.80	31.0	3.42	34.6	4.06	35.6	4.39	37.9	4.73	38.7	4.86	41.4	4.94
	12	26.0	2.89	31.0	3.53	34.6	4.23	35.6	4.52	37.9	4.90	38.7	5.06	41.4	5.18
	14	26.0	2.98	31.0	3.69	34.6	4.42	35.6	4.74	37.9	5.15	38.7	5.30	41.4	5.41
	16	26.0	3.09	31.0	3.82	34.6	4.60	35.6	4.95	37.9	5.39	38.7	5.54	41.4	5.63
	18	26.0	3.20	31.0	3.98	34.6	4.86	35.6	5.21	37.9	5.68	38.7	5.80	41.4	5.91
	20	26.0	3.31	31.0	4.18	34.6	5.16	35.6	5.45	37.9	5.96	38.7	6.11	41.4	6.21
	21	26.0	3.39	31.0	4.31	34.6	5.29	35.6	5.59	37.9	6.13	38.7	6.28	41.4	6.38
	23	26.0	3.61	31.0	4.62	34.6	5.59	35.6	5.91	37.9	6.47	38.7	6.61	41.4	6.72
	25	26.0	3.86	31.0	4.93	34.6	5.90	35.6	6.24	37.9	6.84	38.7	6.94	40.9	7.08
	27	26.0	4.12	31.0	5.27	34.6	6.24	35.6	6.61	37.9	7.14	38.7	7.30	40.3	7.43
	29	26.0	4.40	31.0	5.62	34.6	6.59	35.6	7.00	37.9	7.55	38.7	7.68	39.7	7.79
	31	26.0	4.68	31.0	6.00	34.6	6.97	35.6	7.42	37.2	7.93	38.2	8.09	39.1	8.17
	33	26.0	4.99	31.0	6.38	34.6	7.36	35.6	7.86	36.7	8.37	37.6	8.51	38.6	8.56
	35	26.0	5.30	31.0	6.82	34.6	7.77	35.6	8.33	36.1	8.84	37.0	8.92	38.0	8.96
	37	26.0	5.62	31.0	7.23	34.6	8.20	35.1	8.82	35.5	9.32	36.5	9.35	37.4	9.38
	39	26.0	6.05	31.0	7.69	34.0	8.66	34.5	9.44	35.0	9.78	35.9	9.80	36.9	9.81
	41	25.3	6.49	30.2	8.14	32.5	9.13	33.0	10.21	33.5	10.21	34.5	10.29	35.3	10.37
	43	24.7	6.82	29.5	8.48	31.2	9.68	31.7	9.79	32.1	9.77	33.1	9.82	33.9	9.85
46	23.2	6.65	27.6	8.19	28.4	9.19	28.9	9.19	29.3	9.27	30.2	9.32	31.0	9.34	
48	20.5	6.46	24.0	7.89	24.7	8.74	25.2	8.80	25.5	8.84	26.3	8.87	27.0	8.90	



# 7. Capacity Tables

Cooling Capacity (12HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
100	10	22.7	2.52	27.0	3.07	31.4	3.64	33.6	3.93	35.8	4.22	39.6	4.70	40.5	4.74
	12	22.7	2.60	27.0	3.19	31.4	3.76	33.6	4.04	35.8	4.36	39.6	4.96	40.5	5.00
	14	22.7	2.69	27.0	3.32	31.4	3.92	33.6	4.21	35.8	4.55	39.6	5.23	40.5	5.28
	16	22.7	2.77	27.0	3.43	31.4	4.09	33.6	4.41	35.8	4.79	39.6	5.49	40.5	5.56
	18	22.7	2.85	27.0	3.56	31.4	4.25	33.6	4.63	35.8	5.08	39.6	5.80	40.5	5.84
	20	22.7	2.95	27.0	3.69	31.4	4.49	33.6	4.96	35.8	5.44	39.6	6.07	40.5	6.12
	21	22.7	3.01	27.0	3.78	31.4	4.65	33.6	5.13	35.8	5.64	39.6	6.21	40.5	6.26
	23	22.7	3.19	27.0	4.04	31.4	4.99	33.6	5.50	35.8	6.04	39.6	6.51	40.5	6.56
	25	22.7	3.39	27.0	4.31	31.4	5.33	33.6	5.89	35.8	6.46	39.6	6.78	40.2	6.84
	27	22.7	3.63	27.0	4.60	31.4	5.70	33.6	6.29	35.8	6.87	38.9	7.10	39.7	7.16
	29	22.7	3.86	27.0	4.91	31.4	6.09	33.6	6.72	35.8	7.27	38.2	7.39	39.1	7.45
	31	22.7	4.12	27.0	5.24	31.4	6.49	33.6	7.17	35.8	7.64	37.6	7.67	38.5	7.74
	33	22.7	4.37	27.0	5.58	31.4	6.93	33.6	7.65	35.8	7.93	37.0	7.96	37.9	8.02
	35	22.7	4.65	27.0	5.93	31.4	7.37	33.6	8.16	35.2	8.21	36.3	8.25	37.2	8.31
	37	22.7	4.98	27.0	6.36	31.4	7.81	33.6	8.55	34.6	8.60	35.6	8.63	36.5	8.71
	39	22.7	5.34	27.0	6.84	31.4	8.28	33.6	8.97	34.1	9.01	35.1	9.05	35.9	9.13
	41	22.3	5.70	26.6	7.31	30.9	8.74	32.2	9.39	32.9	9.43	33.7	9.46	34.8	9.55
43	21.6	6.03	25.7	7.75	29.9	9.16	30.9	9.75	31.3	9.78	32.2	9.82	33.1	9.91	
46	20.2	6.48	24.0	8.35	28.0	9.72	28.2	10.21	28.5	10.24	29.4	10.27	30.2	10.36	
48	17.9	5.60	21.3	7.23	24.2	8.31	24.5	8.66	24.8	8.69	25.6	8.71	26.3	8.78	
90	10	20.4	2.17	24.4	2.61	28.3	3.08	30.2	3.32	32.2	3.57	36.1	4.00	40.1	4.44
	12	20.4	2.20	24.4	2.65	28.3	3.13	30.2	3.38	32.2	3.65	36.1	4.08	40.1	4.52
	14	20.4	2.24	24.4	2.70	28.3	3.20	30.2	3.45	32.2	3.72	36.1	4.15	40.1	4.61
	16	20.4	2.28	24.4	2.76	28.3	3.26	30.2	3.52	32.2	3.78	36.1	4.23	40.1	4.69
	18	20.4	2.32	24.4	2.81	28.3	3.32	30.2	3.60	32.2	3.86	36.1	4.33	40.1	4.93
	20	20.4	2.36	24.4	2.86	28.3	3.38	30.2	3.66	32.2	4.01	36.1	4.63	40.1	5.17
	21	20.4	2.38	24.4	2.89	28.3	3.45	30.2	3.78	32.2	4.16	36.1	4.70	40.1	5.28
	23	20.4	2.44	24.4	3.01	28.3	3.69	30.2	4.06	32.2	4.45	36.1	4.99	39.5	5.53
	25	20.4	2.56	24.4	3.21	28.3	3.94	30.2	4.34	32.2	4.76	36.1	5.33	39.0	5.77
	27	20.4	2.73	24.4	3.42	28.3	4.21	30.2	4.64	32.2	5.09	36.1	5.67	38.4	6.04
	29	20.4	2.89	24.4	3.65	28.3	4.50	30.2	4.96	32.2	5.44	36.1	6.01	37.8	6.28
	31	20.4	3.08	24.4	3.89	28.3	4.80	30.2	5.28	32.2	5.79	36.1	6.31	37.2	6.53
	33	20.4	3.28	24.4	4.14	28.3	5.12	30.2	5.62	32.2	6.15	36.1	6.61	36.7	6.77
	35	20.4	3.48	24.4	4.40	28.3	5.44	30.2	5.99	32.2	6.52	35.5	6.99	36.1	7.15
	37	20.4	3.69	24.4	4.68	28.3	5.80	30.2	6.37	32.2	6.88	34.9	7.31	35.5	7.47
	39	20.4	3.91	24.4	4.97	28.3	6.13	30.2	6.78	32.2	7.23	34.4	7.71	35.0	7.80
	41	19.9	4.37	23.7	5.51	27.6	6.73	29.5	7.41	31.3	7.81	32.9	8.12	33.5	8.31
43	19.4	4.72	23.1	5.96	26.9	7.35	28.7	7.98	30.6	8.37	31.6	8.70	32.1	8.80	
46	18.2	5.31	21.7	6.79	25.2	8.38	26.9	9.05	27.8	9.30	28.8	9.55	29.4	9.56	
48	16.1	4.64	19.2	5.94	22.3	7.33	23.8	7.89	24.1	8.02	25.0	8.22	25.5	8.23	
80	10	18.1	1.87	21.6	2.25	25.1	2.64	26.9	2.85	28.7	3.06	32.2	3.49	35.6	3.79
	12	18.1	1.91	21.6	2.28	25.1	2.69	26.9	2.90	28.7	3.11	32.2	3.55	35.6	3.86
	14	18.1	1.94	21.6	2.33	25.1	2.73	26.9	2.95	28.7	3.16	32.2	3.62	35.6	3.94
	16	18.1	1.96	21.6	2.37	25.1	2.78	26.9	3.01	28.7	3.23	32.2	3.69	35.6	4.01
	18	18.1	2.00	21.6	2.41	25.1	2.84	26.9	3.06	28.7	3.29	32.2	3.76	35.6	4.10
	20	18.1	2.04	21.6	2.46	25.1	2.90	26.9	3.12	28.7	3.36	32.2	3.90	35.6	4.34
	21	18.1	2.06	21.6	2.48	25.1	2.93	26.9	3.16	28.7	3.43	32.2	4.03	35.6	4.46
	23	18.1	2.09	21.6	2.52	25.1	3.06	26.9	3.36	28.7	3.67	32.2	4.25	35.6	4.68
	25	18.1	2.17	21.6	2.69	25.1	3.28	26.9	3.59	28.7	3.93	32.2	4.55	35.6	5.00
	27	18.1	2.30	21.6	2.86	25.1	3.50	26.9	3.84	28.7	4.19	32.2	4.83	35.6	5.26
	29	18.1	2.45	21.6	3.06	25.1	3.72	26.9	4.09	28.7	4.48	32.2	5.18	35.6	5.63
	31	18.1	2.60	21.6	3.24	25.1	3.97	26.9	4.36	28.7	4.76	32.2	5.50	35.6	5.91
	33	18.1	2.76	21.6	3.46	25.1	4.23	26.9	4.64	28.7	5.07	32.2	5.79	35.6	6.20
	35	18.1	2.93	21.6	3.67	25.1	4.50	26.9	4.94	28.7	5.41	32.2	6.14	35.3	6.42
	37	18.1	3.10	21.6	3.90	25.1	4.77	26.9	5.26	28.7	5.75	32.2	6.48	34.7	6.72
	39	18.1	3.27	21.6	4.12	25.1	5.11	26.9	5.65	28.7	6.18	32.2	6.85	34.1	7.09
	41	17.7	3.62	21.0	4.57	24.4	5.61	26.2	6.19	27.9	6.79	31.3	7.62	32.7	7.85
43	17.2	3.99	20.5	4.99	23.8	6.12	25.5	6.75	27.3	7.42	30.6	8.15	31.3	8.41	
46	16.1	4.43	19.2	5.62	22.3	6.89	23.9	7.51	25.5	8.37	27.9	8.90	28.6	9.04	
48	14.3	3.87	17.0	4.91	19.8	6.03	21.2	6.56	22.6	7.33	24.3	7.70	24.9	7.78	

# 7. Capacity Tables

Cooling Capacity (12HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
70	10	15.8	1.69	19.0	2.01	22.0	2.33	23.5	2.52	25.1	2.69	28.1	3.07	31.2	3.43
	12	15.8	1.72	19.0	2.04	22.0	2.39	23.5	2.56	25.1	2.75	28.1	3.12	31.2	3.49
	14	15.8	1.75	19.0	2.07	22.0	2.43	23.5	2.60	25.1	2.79	28.1	3.19	31.2	3.56
	16	15.8	1.77	19.0	2.11	22.0	2.47	23.5	2.65	25.1	2.84	28.1	3.24	31.2	3.64
	18	15.8	1.80	19.0	2.15	22.0	2.52	23.5	2.71	25.1	2.89	28.1	3.29	31.2	3.70
	20	15.8	1.83	19.0	2.19	22.0	2.56	23.5	2.76	25.1	2.96	28.1	3.37	31.2	3.84
	21	15.8	1.85	19.0	2.20	22.0	2.59	23.5	2.79	25.1	2.99	28.1	3.43	31.2	3.92
	23	15.8	1.88	19.0	2.25	22.0	2.64	23.5	2.88	25.1	3.13	28.1	3.67	31.2	4.14
	25	15.8	1.91	19.0	2.33	22.0	2.81	23.5	3.08	25.1	3.35	28.1	3.92	31.2	4.34
	27	15.8	2.01	19.0	2.49	22.0	3.00	23.5	3.27	25.1	3.57	28.1	4.19	31.2	4.61
	29	15.8	2.15	19.0	2.64	22.0	3.19	23.5	3.48	25.1	3.80	28.1	4.47	31.2	4.94
	31	15.8	2.28	19.0	2.81	22.0	3.40	23.5	3.72	25.1	4.05	28.1	4.76	31.2	5.25
	33	15.8	2.41	19.0	2.97	22.0	3.61	23.5	3.95	25.1	4.31	28.1	5.07	31.2	5.58
	35	15.8	2.55	19.0	3.17	22.0	3.84	23.5	4.20	25.1	4.59	28.1	5.40	31.2	5.92
	37	15.8	2.71	19.0	3.36	22.0	4.08	23.5	4.47	25.1	4.88	28.1	5.75	31.2	6.25
	39	15.8	2.87	19.0	3.58	22.0	4.36	23.5	4.81	25.1	5.27	28.1	6.15	31.2	6.74
41	15.4	3.18	18.5	3.93	21.4	4.79	22.9	5.27	24.4	5.73	27.4	6.75	30.4	7.27	
43	15.1	3.46	18.0	4.28	20.9	5.22	22.4	5.75	23.8	6.26	26.7	7.38	29.6	7.86	
46	14.1	3.84	16.9	4.81	19.6	5.88	20.9	6.40	22.3	7.05	25.0	8.32	27.8	8.76	
48	12.5	3.35	14.9	4.20	17.3	5.14	18.5	5.59	19.8	6.17	22.1	7.28	24.6	7.58	
60	10	13.6	1.50	16.2	1.76	18.8	2.05	20.2	2.20	21.5	2.34	24.1	2.65	26.8	2.96
	12	13.6	1.53	16.2	1.79	18.8	2.08	20.2	2.23	21.5	2.38	24.1	2.69	26.8	3.02
	14	13.6	1.54	16.2	1.82	18.8	2.12	20.2	2.27	21.5	2.42	24.1	2.74	26.8	3.07
	16	13.6	1.57	16.2	1.86	18.8	2.14	20.2	2.31	21.5	2.47	24.1	2.80	26.8	3.13
	18	13.6	1.60	16.2	1.88	18.8	2.18	20.2	2.35	21.5	2.51	24.1	2.84	26.8	3.20
	20	13.6	1.63	16.2	1.91	18.8	2.23	20.2	2.39	21.5	2.55	24.1	2.90	26.8	3.26
	21	13.6	1.64	16.2	1.93	18.8	2.25	20.2	2.42	21.5	2.58	24.1	2.94	26.8	3.29
	23	13.6	1.67	16.2	1.97	18.8	2.28	20.2	2.46	21.5	2.64	24.1	3.05	26.8	3.50
	25	13.6	1.69	16.2	2.01	18.8	2.38	20.2	2.58	21.5	2.80	24.1	3.25	26.8	3.74
	27	13.6	1.75	16.2	2.12	18.8	2.53	20.2	2.74	21.5	2.98	24.1	3.45	26.8	3.99
	29	13.6	1.86	16.2	2.25	18.8	2.69	20.2	2.92	21.5	3.17	24.1	3.69	26.8	4.26
	31	13.6	1.97	16.2	2.39	18.8	2.85	20.2	3.11	21.5	3.37	24.1	3.93	26.8	4.53
	33	13.6	2.08	16.2	2.53	18.8	3.03	20.2	3.30	21.5	3.59	24.1	4.18	26.8	4.83
	35	13.6	2.20	16.2	2.69	18.8	3.22	20.2	3.51	21.5	3.81	24.1	4.45	26.8	5.13
	37	13.6	2.32	16.2	2.84	18.8	3.41	20.2	3.73	21.5	4.04	24.1	4.72	26.8	5.46
	39	13.6	2.47	16.2	3.02	18.8	3.68	20.2	4.00	21.5	4.35	24.1	5.07	26.8	5.85
41	13.2	2.68	15.8	3.31	18.4	4.00	19.6	4.37	20.9	4.72	23.5	5.56	26.1	6.36	
43	12.9	2.91	15.4	3.60	17.9	4.36	19.2	4.76	20.4	5.15	22.9	6.07	25.4	6.95	
46	12.1	3.26	14.4	4.04	16.8	4.91	18.0	5.35	19.1	5.79	21.5	6.84	23.8	7.92	
48	10.7	2.84	12.8	3.53	14.8	4.29	15.9	4.67	16.9	5.06	19.0	5.98	21.1	6.93	
50	10	11.3	1.33	13.6	1.54	15.7	1.75	16.8	1.87	17.9	1.98	20.0	2.24	22.3	2.49
	12	11.3	1.34	13.6	1.55	15.7	1.78	16.8	1.90	17.9	2.03	20.0	2.28	22.3	2.53
	14	11.3	1.36	13.6	1.58	15.7	1.80	16.8	1.93	17.9	2.05	20.0	2.31	22.3	2.57
	16	11.3	1.38	13.6	1.61	15.7	1.83	16.8	1.97	17.9	2.08	20.0	2.35	22.3	2.61
	18	11.3	1.40	13.6	1.62	15.7	1.86	16.8	2.00	17.9	2.12	20.0	2.39	22.3	2.67
	20	11.3	1.41	13.6	1.65	15.7	1.90	16.8	2.03	17.9	2.17	20.0	2.43	22.3	2.73
	21	11.3	1.43	13.6	1.66	15.7	1.92	16.8	2.05	17.9	2.18	20.0	2.46	22.3	2.75
	23	11.3	1.45	13.6	1.69	15.7	1.94	16.8	2.08	17.9	2.22	20.0	2.50	22.3	2.81
	25	11.3	1.47	13.6	1.72	15.7	1.98	16.8	2.12	17.9	2.29	20.0	2.63	22.3	3.01
	27	11.3	1.50	13.6	1.78	15.7	2.10	16.8	2.26	17.9	2.43	20.0	2.81	22.3	3.20
	29	11.3	1.58	13.6	1.89	15.7	2.22	16.8	2.40	17.9	2.59	20.0	2.98	22.3	3.40
	31	11.3	1.66	13.6	2.00	15.7	2.36	16.8	2.54	17.9	2.75	20.0	3.17	22.3	3.62
	33	11.3	1.76	13.6	2.11	15.7	2.50	16.8	2.70	17.9	2.92	20.0	3.37	22.3	3.86
	35	11.3	1.86	13.6	2.24	15.7	2.64	16.8	2.87	17.9	3.09	20.0	3.56	22.3	4.10
	37	11.3	1.97	13.6	2.36	15.7	2.80	16.8	3.03	17.9	3.27	20.0	3.80	22.3	4.35
	39	11.3	2.10	13.6	2.53	15.7	3.00	16.8	3.27	17.9	3.51	20.0	4.05	22.3	4.70
41	11.0	2.27	13.2	2.74	15.3	3.28	16.4	3.54	17.4	3.80	19.5	4.44	21.7	5.10	
43	10.8	2.47	12.9	2.98	14.9	3.56	16.0	3.85	17.0	4.14	19.0	4.84	21.2	5.56	
46	10.1	2.77	12.1	3.34	14.0	4.00	15.0	4.32	15.9	4.65	17.8	5.45	19.9	6.26	
48	8.9	2.41	10.7	2.92	12.4	3.49	13.2	3.77	14.1	4.06	15.8	4.76	17.6	5.47	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN140BTE5

Cooling Capacity (14HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	16	18	18	19	19	20	20	22	22	24	24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	35.8	3.99	42.7	4.87	45.7	5.65	47.1	5.77	48.4	5.81	50.7	5.86	52.0	5.88
	12	35.8	4.09	42.7	5.05	45.7	5.88	47.1	5.92	48.4	5.97	50.7	6.02	52.0	6.07
	14	35.8	4.22	42.7	5.23	45.7	6.11	47.1	6.15	48.4	6.20	50.7	6.25	52.0	6.30
	16	35.8	4.38	42.7	5.41	45.7	6.38	47.1	6.44	48.4	6.49	50.7	6.55	52.0	6.60
	18	35.8	4.56	42.7	5.72	45.7	6.67	47.1	6.82	48.4	6.87	50.7	6.94	52.0	6.99
	20	35.8	4.76	42.7	6.10	45.7	7.00	47.1	7.50	48.4	7.56	50.0	7.63	51.3	7.69
	21	35.8	4.89	42.7	6.31	45.7	7.15	47.1	7.93	48.4	8.00	49.7	8.08	51.0	8.13
	23	35.8	5.24	42.7	6.64	45.7	7.52	47.1	8.75	47.8	8.82	48.9	8.91	50.3	8.97
	25	35.8	5.60	42.7	7.02	45.7	8.04	46.5	9.71	47.1	9.79	48.4	9.88	49.7	9.95
	27	35.8	5.99	42.7	7.51	45.2	8.56	45.7	10.69	46.5	10.77	47.8	10.88	48.9	10.96
	29	35.8	6.38	42.7	8.03	44.4	9.21	45.1	11.75	45.7	11.82	47.1	11.92	48.4	11.97
	31	35.8	6.81	42.5	8.45	43.7	9.80	44.4	11.70	45.1	11.77	46.3	11.87	47.6	11.92
	33	35.8	7.26	41.8	8.96	43.1	10.51	43.8	11.59	44.4	11.66	45.7	11.77	46.9	11.81
	35	35.8	7.74	41.1	9.38	42.4	11.38	43.1	11.44	43.8	11.51	45.0	11.61	46.3	11.66
	37	35.8	8.25	40.5	9.84	41.8	11.23	42.4	11.29	43.1	11.36	44.3	11.46	45.6	11.50
	39	35.8	8.79	39.8	10.36	41.1	11.08	41.8	11.14	42.4	11.20	43.7	11.30	45.0	11.35
	41	34.9	9.32	38.1	10.88	39.4	10.93	40.0	10.99	40.8	11.05	42.0	11.15	43.2	11.20
	43	34.1	9.83	36.5	10.73	37.8	10.78	38.4	10.84	39.1	10.90	40.4	11.00	41.5	11.04
46	31.9	10.52	33.3	10.50	34.5	10.56	35.1	10.61	35.8	10.67	36.9	10.77	38.0	10.81	
48	28.2	10.23	28.9	10.26	30.0	10.28	30.5	10.31	31.2	10.40	32.2	10.47	33.1	10.51	
120	10	33.1	3.59	39.4	4.40	43.1	5.23	44.4	5.65	45.7	5.74	48.2	5.76	49.4	5.81
	12	33.1	3.68	39.4	4.55	43.1	5.44	44.4	5.77	45.7	5.95	48.2	6.02	49.4	6.07
	14	33.1	3.81	39.4	4.70	43.1	5.66	44.4	5.99	45.7	6.17	48.2	6.26	49.4	6.31
	16	33.1	3.95	39.4	4.89	43.1	5.87	44.4	6.21	45.7	6.45	48.2	6.53	49.4	6.58
	18	33.1	4.10	39.4	5.11	43.1	6.11	44.4	6.54	45.7	6.78	48.2	6.86	49.4	6.92
	20	33.1	4.26	39.4	5.42	43.1	6.44	44.4	6.88	45.7	7.14	48.2	7.24	49.4	7.29
	21	33.1	4.39	39.4	5.62	43.1	6.62	44.4	7.08	45.7	7.38	48.2	7.47	49.4	7.53
	23	33.1	4.69	39.4	6.01	43.1	7.09	44.4	7.52	45.7	7.87	48.2	7.94	49.4	8.01
	25	33.1	5.01	39.4	6.44	43.1	7.48	44.4	8.02	45.7	8.43	47.6	8.50	48.8	8.57
	27	33.1	5.35	39.4	6.88	43.1	7.96	44.4	8.57	45.7	9.06	46.9	9.13	48.0	9.20
	29	33.1	5.71	39.4	7.35	43.1	8.38	44.4	9.17	45.0	9.66	46.1	9.81	47.4	9.88
	31	33.1	6.08	39.4	7.85	43.1	8.81	43.8	9.82	44.4	10.36	45.6	10.55	46.7	10.63
	33	33.1	6.47	39.4	8.36	42.5	9.32	43.1	10.66	43.6	11.13	44.8	11.25	46.0	11.34
	35	33.1	6.88	39.4	8.92	41.8	9.86	42.3	11.75	43.1	11.81	44.2	11.84	45.4	11.94
	37	33.1	7.40	39.4	9.41	41.2	10.52	41.8	11.50	42.3	11.56	43.5	11.59	44.7	11.68
	39	33.1	7.97	39.3	9.94	40.4	11.15	41.0	11.26	41.6	11.32	42.9	11.35	44.1	11.44
	41	32.3	8.54	37.6	10.48	38.8	10.93	39.4	11.03	39.9	11.08	41.1	11.12	42.3	11.20
	43	31.5	9.11	36.0	10.33	37.2	10.69	37.8	10.79	38.3	10.85	39.5	10.88	40.6	10.96
46	29.5	9.80	32.8	10.08	34.0	10.35	34.5	10.44	35.0	10.49	36.1	10.52	37.2	10.60	
48	26.1	9.60	28.5	9.90	29.6	10.15	30.0	10.21	30.5	10.24	31.4	10.29	32.3	10.33	
110	10	30.3	3.23	36.2	3.93	40.4	4.67	41.5	5.06	44.2	5.44	45.2	5.59	48.3	5.68
	12	30.3	3.33	36.2	4.06	40.4	4.86	41.5	5.20	44.2	5.64	45.2	5.83	48.3	5.96
	14	30.3	3.43	36.2	4.25	40.4	5.08	41.5	5.46	44.2	5.93	45.2	6.10	48.3	6.23
	16	30.3	3.55	36.2	4.40	40.4	5.30	41.5	5.69	44.2	6.20	45.2	6.37	48.3	6.48
	18	30.3	3.68	36.2	4.59	40.4	5.60	41.5	6.00	44.2	6.54	45.2	6.67	48.3	6.80
	20	30.3	3.82	36.2	4.81	40.4	5.94	41.5	6.27	44.2	6.86	45.2	7.03	48.3	7.14
	21	30.3	3.90	36.2	4.96	40.4	6.09	41.5	6.44	44.2	7.05	45.2	7.23	48.3	7.34
	23	30.3	4.15	36.2	5.31	40.4	6.43	41.5	6.80	44.2	7.45	45.2	7.61	48.3	7.74
	25	30.3	4.44	36.2	5.67	40.4	6.79	41.5	7.19	44.2	7.87	45.2	7.98	47.7	8.15
	27	30.3	4.74	36.2	6.06	40.4	7.18	41.5	7.61	44.2	8.22	45.2	8.41	47.0	8.55
	29	30.3	5.06	36.2	6.47	40.4	7.59	41.5	8.06	44.2	8.69	45.2	8.84	46.4	8.97
	31	30.3	5.39	36.2	6.90	40.4	8.02	41.5	8.54	43.5	9.13	44.6	9.31	45.6	9.40
	33	30.3	5.74	36.2	7.35	40.4	8.47	41.5	9.04	42.9	9.64	43.9	9.80	45.0	9.85
	35	30.3	6.10	36.2	7.85	40.4	8.95	41.5	9.58	42.1	10.17	43.2	10.27	44.3	10.32
	37	30.3	6.46	36.2	8.33	40.4	9.44	41.0	10.15	41.4	10.73	42.6	10.77	43.6	10.80
	39	30.3	6.97	36.2	8.85	39.7	9.96	40.2	10.86	40.8	11.26	41.8	11.28	43.0	11.29
	41	29.6	7.47	35.2	9.37	38.0	10.51	38.6	11.75	39.1	11.75	40.2	11.84	41.2	11.94
	43	28.8	7.85	34.4	9.76	36.4	11.14	37.0	11.27	37.5	11.24	38.6	11.31	39.5	11.34
46	27.0	7.66	32.2	9.43	33.2	10.58	33.8	10.57	34.2	10.67	35.3	10.73	36.2	10.75	
48	23.9	7.44	28.0	9.08	28.8	10.06	29.4	10.13	29.7	10.18	30.7	10.21	31.5	10.25	

# 7. Capacity Tables

Cooling Capacity (14HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
100	10	26.5	2.90	31.5	3.53	36.7	4.19	39.2	4.53	41.7	4.86	46.3	5.41	47.3	5.46
	12	26.5	3.00	31.5	3.67	36.7	4.33	39.2	4.65	41.7	5.02	46.3	5.70	47.3	5.76
	14	26.5	3.09	31.5	3.82	36.7	4.51	39.2	4.85	41.7	5.23	46.3	6.02	47.3	6.08
	16	26.5	3.19	31.5	3.95	36.7	4.71	39.2	5.08	41.7	5.52	46.3	6.31	47.3	6.40
	18	26.5	3.28	31.5	4.09	36.7	4.89	39.2	5.33	41.7	5.85	46.3	6.67	47.3	6.72
	20	26.5	3.40	31.5	4.25	36.7	5.17	39.2	5.71	41.7	6.26	46.3	6.99	47.3	7.05
	21	26.5	3.47	31.5	4.35	36.7	5.35	39.2	5.90	41.7	6.49	46.3	7.15	47.3	7.21
	23	26.5	3.67	31.5	4.65	36.7	5.74	39.2	6.33	41.7	6.95	46.3	7.49	47.3	7.55
	25	26.5	3.91	31.5	4.96	36.7	6.13	39.2	6.78	41.7	7.44	46.3	7.81	46.9	7.87
	27	26.5	4.17	31.5	5.30	36.7	6.56	39.2	7.24	41.7	7.91	45.4	8.17	46.3	8.24
	29	26.5	4.44	31.5	5.65	36.7	7.01	39.2	7.74	41.7	8.37	44.5	8.50	45.6	8.57
	31	26.5	4.74	31.5	6.03	36.7	7.47	39.2	8.26	41.7	8.79	43.8	8.83	44.9	8.90
	33	26.5	5.03	31.5	6.42	36.7	7.97	39.2	8.81	41.7	9.12	43.1	9.16	44.2	9.24
	35	26.5	5.35	31.5	6.83	36.7	8.49	39.2	9.40	41.1	9.45	42.4	9.49	43.4	9.57
	37	26.5	5.73	31.5	7.33	36.7	8.99	39.2	9.85	40.4	9.89	41.6	9.93	42.6	10.03
	39	26.5	6.14	31.5	7.87	36.7	9.53	39.2	10.33	39.7	10.37	40.9	10.41	41.9	10.51
	41	26.0	6.56	31.0	8.41	36.1	10.06	37.6	10.81	38.4	10.85	39.3	10.89	40.6	10.99
	43	25.1	6.94	29.9	8.92	34.9	10.55	36.1	11.22	36.5	11.26	37.6	11.30	38.6	11.40
46	23.6	7.46	28.1	9.61	32.7	11.19	32.9	11.75	33.3	11.78	34.4	11.82	35.3	11.93	
48	20.8	6.44	24.8	8.32	28.2	9.56	28.6	9.97	28.9	10.00	29.9	10.02	30.7	10.10	
90	10	23.8	2.44	28.4	2.93	33.0	3.46	35.3	3.73	37.5	4.01	42.1	4.49	46.8	4.99
	12	23.8	2.47	28.4	2.98	33.0	3.52	35.3	3.80	37.5	4.10	42.1	4.58	46.8	5.08
	14	23.8	2.51	28.4	3.04	33.0	3.59	35.3	3.88	37.5	4.18	42.1	4.67	46.8	5.19
	16	23.8	2.56	28.4	3.10	33.0	3.67	35.3	3.95	37.5	4.25	42.1	4.76	46.8	5.27
	18	23.8	2.60	28.4	3.16	33.0	3.73	35.3	4.04	37.5	4.34	42.1	4.86	46.8	5.54
	20	23.8	2.65	28.4	3.22	33.0	3.80	35.3	4.12	37.5	4.51	42.1	5.20	46.8	5.80
	21	23.8	2.68	28.4	3.25	33.0	3.88	35.3	4.25	37.5	4.67	42.1	5.29	46.8	5.94
	23	23.8	2.74	28.4	3.38	33.0	4.15	35.3	4.57	37.5	5.00	42.1	5.61	46.1	6.22
	25	23.8	2.87	28.4	3.61	33.0	4.43	35.3	4.88	37.5	5.34	42.1	5.99	45.5	6.48
	27	23.8	3.07	28.4	3.85	33.0	4.73	35.3	5.21	37.5	5.72	42.1	6.37	44.8	6.79
	29	23.8	3.25	28.4	4.10	33.0	5.06	35.3	5.57	37.5	6.11	42.1	6.75	44.1	7.06
	31	23.8	3.46	28.4	4.37	33.0	5.39	35.3	5.93	37.5	6.51	42.1	7.09	43.5	7.33
	33	23.8	3.68	28.4	4.66	33.0	5.75	35.3	6.32	37.5	6.91	42.1	7.43	42.8	7.61
	35	23.8	3.91	28.4	4.94	33.0	6.11	35.3	6.74	37.5	7.32	41.4	7.86	42.1	8.04
	37	23.8	4.15	28.4	5.25	33.0	6.51	35.3	7.16	37.5	7.73	40.7	8.21	41.5	8.40
	39	23.8	4.39	28.4	5.59	33.0	6.89	35.3	7.61	37.5	8.13	40.1	8.66	40.8	8.76
	41	23.2	4.91	27.7	6.20	32.2	7.57	34.4	8.33	36.6	8.78	38.4	9.13	39.1	9.33
	43	22.6	5.30	27.0	6.70	31.4	8.26	33.5	8.97	35.7	9.41	36.8	9.77	37.5	9.89
46	21.2	5.97	25.3	7.62	29.4	9.42	31.4	10.17	32.4	10.46	33.6	10.73	34.2	10.74	
48	18.8	5.22	22.4	6.67	26.0	8.24	27.8	8.87	28.1	9.01	29.2	9.23	29.8	9.25	
80	10	21.1	2.05	25.2	2.46	29.3	2.89	31.4	3.12	33.5	3.35	37.5	3.82	41.6	4.15
	12	21.1	2.09	25.2	2.49	29.3	2.95	31.4	3.18	33.5	3.41	37.5	3.89	41.6	4.23
	14	21.1	2.12	25.2	2.55	29.3	2.99	31.4	3.23	33.5	3.46	37.5	3.96	41.6	4.31
	16	21.1	2.15	25.2	2.59	29.3	3.05	31.4	3.29	33.5	3.53	37.5	4.05	41.6	4.39
	18	21.1	2.19	25.2	2.64	29.3	3.11	31.4	3.35	33.5	3.60	37.5	4.12	41.6	4.49
	20	21.1	2.24	25.2	2.69	29.3	3.18	31.4	3.42	33.5	3.68	37.5	4.27	41.6	4.75
	21	21.1	2.25	25.2	2.72	29.3	3.21	31.4	3.46	33.5	3.76	37.5	4.41	41.6	4.88
	23	21.1	2.29	25.2	2.76	29.3	3.35	31.4	3.68	33.5	4.02	37.5	4.66	41.6	5.12
	25	21.1	2.38	25.2	2.95	29.3	3.59	31.4	3.93	33.5	4.30	37.5	4.98	41.6	5.48
	27	21.1	2.52	25.2	3.13	29.3	3.83	31.4	4.20	33.5	4.59	37.5	5.29	41.6	5.76
	29	21.1	2.68	25.2	3.35	29.3	4.08	31.4	4.47	33.5	4.90	37.5	5.67	41.6	6.17
	31	21.1	2.85	25.2	3.55	29.3	4.35	31.4	4.77	33.5	5.21	37.5	6.02	41.6	6.48
	33	21.1	3.02	25.2	3.79	29.3	4.63	31.4	5.09	33.5	5.56	37.5	6.34	41.6	6.79
	35	21.1	3.21	25.2	4.02	29.3	4.93	31.4	5.41	33.5	5.93	37.5	6.72	41.1	7.04
	37	21.1	3.39	25.2	4.27	29.3	5.23	31.4	5.76	33.5	6.30	37.5	7.10	40.5	7.36
	39	21.1	3.58	25.2	4.52	29.3	5.59	31.4	6.19	33.5	6.77	37.5	7.50	39.8	7.76
	41	20.6	3.96	24.6	5.00	28.5	6.14	30.6	6.78	32.6	7.44	36.6	8.35	38.1	8.60
	43	20.1	4.36	23.9	5.46	27.8	6.70	29.8	7.39	31.8	8.13	35.7	8.93	36.6	9.21
46	18.8	4.86	22.4	6.15	26.1	7.55	27.9	8.23	29.8	9.17	32.6	9.75	33.4	9.90	
48	16.7	4.24	19.9	5.38	23.1	6.60	24.7	7.19	26.4	8.03	28.3	8.44	29.0	8.53	

# 7. Capacity Tables

Cooling Capacity (14HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	18.5	1.81	22.1	2.15	25.6	2.49	27.4	2.69	29.3	2.88	32.8	3.28	36.4	3.66
	12	18.5	1.84	22.1	2.18	25.6	2.55	27.4	2.73	29.3	2.93	32.8	3.33	36.4	3.73
	14	18.5	1.87	22.1	2.21	25.6	2.59	27.4	2.78	29.3	2.98	32.8	3.40	36.4	3.80
	16	18.5	1.89	22.1	2.25	25.6	2.63	27.4	2.83	29.3	3.03	32.8	3.46	36.4	3.88
	18	18.5	1.92	22.1	2.29	25.6	2.69	27.4	2.89	29.3	3.09	32.8	3.52	36.4	3.95
	20	18.5	1.95	22.1	2.34	25.6	2.73	27.4	2.95	29.3	3.16	32.8	3.60	36.4	4.10
	21	18.5	1.98	22.1	2.35	25.6	2.76	27.4	2.98	29.3	3.19	32.8	3.66	36.4	4.19
	23	18.5	2.01	22.1	2.41	25.6	2.82	27.4	3.08	29.3	3.35	32.8	3.92	36.4	4.42
	25	18.5	2.04	22.1	2.49	25.6	3.00	27.4	3.29	29.3	3.57	32.8	4.19	36.4	4.64
	27	18.5	2.15	22.1	2.66	25.6	3.20	27.4	3.49	29.3	3.82	32.8	4.47	36.4	4.93
	29	18.5	2.29	22.1	2.82	25.6	3.40	27.4	3.72	29.3	4.06	32.8	4.77	36.4	5.28
	31	18.5	2.43	22.1	3.00	25.6	3.63	27.4	3.97	29.3	4.33	32.8	5.08	36.4	5.60
	33	18.5	2.58	22.1	3.18	25.6	3.86	27.4	4.21	29.3	4.60	32.8	5.41	36.4	5.96
	35	18.5	2.72	22.1	3.39	25.6	4.10	27.4	4.49	29.3	4.90	32.8	5.77	36.4	6.32
	37	18.5	2.89	22.1	3.59	25.6	4.36	27.4	4.77	29.3	5.21	32.8	6.14	36.4	6.67
	39	18.5	3.07	22.1	3.83	25.6	4.66	27.4	5.13	29.3	5.63	32.8	6.57	36.4	7.19
	41	18.0	3.39	21.6	4.19	25.0	5.11	26.7	5.63	28.5	6.12	31.9	7.21	35.5	7.76
	43	17.6	3.69	21.0	4.57	24.3	5.58	26.1	6.14	27.8	6.68	31.1	7.88	34.6	8.39
46	16.5	4.11	19.7	5.14	22.8	6.28	24.4	6.84	26.1	7.53	29.2	8.89	32.4	9.35	
48	14.6	3.58	17.4	4.49	20.2	5.49	21.6	5.98	23.1	6.59	25.8	7.78	28.7	8.09	
60	10	15.8	1.57	18.9	1.84	22.0	2.13	23.5	2.29	25.1	2.43	28.1	2.76	31.2	3.09
	12	15.8	1.59	18.9	1.86	22.0	2.16	23.5	2.32	25.1	2.48	28.1	2.80	31.2	3.15
	14	15.8	1.61	18.9	1.89	22.0	2.21	23.5	2.36	25.1	2.52	28.1	2.86	31.2	3.20
	16	15.8	1.64	18.9	1.94	22.0	2.23	23.5	2.41	25.1	2.58	28.1	2.92	31.2	3.26
	18	15.8	1.67	18.9	1.96	22.0	2.28	23.5	2.45	25.1	2.62	28.1	2.96	31.2	3.33
	20	15.8	1.69	18.9	1.99	22.0	2.32	23.5	2.49	25.1	2.66	28.1	3.02	31.2	3.40
	21	15.8	1.71	18.9	2.01	22.0	2.35	23.5	2.52	25.1	2.69	28.1	3.06	31.2	3.43
	23	15.8	1.74	18.9	2.05	22.0	2.38	23.5	2.56	25.1	2.75	28.1	3.17	31.2	3.64
	25	15.8	1.76	18.9	2.09	22.0	2.48	23.5	2.69	25.1	2.92	28.1	3.39	31.2	3.90
	27	15.8	1.82	18.9	2.21	22.0	2.63	23.5	2.86	25.1	3.10	28.1	3.60	31.2	4.16
	29	15.8	1.94	18.9	2.35	22.0	2.80	23.5	3.05	25.1	3.30	28.1	3.84	31.2	4.44
	31	15.8	2.05	18.9	2.49	22.0	2.97	23.5	3.24	25.1	3.52	28.1	4.10	31.2	4.72
	33	15.8	2.16	18.9	2.63	22.0	3.16	23.5	3.44	25.1	3.74	28.1	4.35	31.2	5.04
	35	15.8	2.29	18.9	2.80	22.0	3.36	23.5	3.66	25.1	3.97	28.1	4.64	31.2	5.35
	37	15.8	2.42	18.9	2.96	22.0	3.56	23.5	3.89	25.1	4.21	28.1	4.92	31.2	5.69
	39	15.8	2.57	18.9	3.15	22.0	3.84	23.5	4.17	25.1	4.53	28.1	5.28	31.2	6.10
	41	15.4	2.79	18.4	3.45	21.4	4.17	22.9	4.55	24.4	4.92	27.4	5.79	30.4	6.63
	43	15.0	3.03	18.0	3.75	20.9	4.55	22.4	4.96	23.8	5.37	26.7	6.32	29.7	7.24
46	14.1	3.40	16.8	4.21	19.6	5.11	20.9	5.58	22.3	6.04	25.1	7.13	27.8	8.25	
48	12.5	2.96	14.9	3.68	17.3	4.47	18.5	4.87	19.7	5.28	22.2	6.23	24.6	7.22	
50	10	13.2	1.35	15.8	1.56	18.3	1.78	19.6	1.91	20.9	2.02	23.4	2.28	26.0	2.53
	12	13.2	1.37	15.8	1.58	18.3	1.81	19.6	1.93	20.9	2.06	23.4	2.32	26.0	2.57
	14	13.2	1.38	15.8	1.61	18.3	1.83	19.6	1.96	20.9	2.09	23.4	2.35	26.0	2.62
	16	13.2	1.41	15.8	1.64	18.3	1.86	19.6	2.01	20.9	2.12	23.4	2.39	26.0	2.66
	18	13.2	1.42	15.8	1.65	18.3	1.89	19.6	2.03	20.9	2.16	23.4	2.43	26.0	2.72
	20	13.2	1.44	15.8	1.68	18.3	1.93	19.6	2.06	20.9	2.20	23.4	2.47	26.0	2.77
	21	13.2	1.45	15.8	1.69	18.3	1.95	19.6	2.09	20.9	2.22	23.4	2.50	26.0	2.80
	23	13.2	1.48	15.8	1.72	18.3	1.98	19.6	2.12	20.9	2.26	23.4	2.55	26.0	2.86
	25	13.2	1.49	15.8	1.75	18.3	2.02	19.6	2.16	20.9	2.33	23.4	2.67	26.0	3.06
	27	13.2	1.52	15.8	1.81	18.3	2.13	19.6	2.30	20.9	2.47	23.4	2.86	26.0	3.26
	29	13.2	1.61	15.8	1.92	18.3	2.26	19.6	2.45	20.9	2.63	23.4	3.03	26.0	3.46
	31	13.2	1.69	15.8	2.03	18.3	2.40	19.6	2.59	20.9	2.80	23.4	3.23	26.0	3.68
	33	13.2	1.79	15.8	2.15	18.3	2.55	19.6	2.74	20.9	2.97	23.4	3.43	26.0	3.93
	35	13.2	1.89	15.8	2.28	18.3	2.69	19.6	2.92	20.9	3.14	23.4	3.63	26.0	4.17
	37	13.2	2.01	15.8	2.40	18.3	2.84	19.6	3.09	20.9	3.33	23.4	3.87	26.0	4.42
	39	13.2	2.14	15.8	2.58	18.3	3.05	19.6	3.32	20.9	3.57	23.4	4.12	26.0	4.78
	41	12.9	2.31	15.4	2.79	17.9	3.33	19.1	3.60	20.3	3.87	22.8	4.52	25.4	5.19
	43	12.6	2.51	15.0	3.03	17.4	3.63	18.6	3.92	19.8	4.21	22.2	4.93	24.7	5.66
46	11.8	2.82	14.1	3.40	16.3	4.07	17.5	4.40	18.6	4.73	20.8	5.54	23.2	6.37	
48	10.4	2.45	12.5	2.97	14.4	3.55	15.4	3.84	16.4	4.13	18.4	4.84	20.5	5.57	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN160BTE5

Cooling Capacity (16HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	41.0	4.73	48.8	5.78	52.3	6.70	53.8	6.84	55.3	6.89	57.9	6.95	59.4	6.97
	12	41.0	4.84	48.8	5.98	52.3	6.97	53.8	7.02	55.3	7.08	57.9	7.13	59.4	7.20
	14	41.0	5.00	48.8	6.20	52.3	7.24	53.8	7.29	55.3	7.35	57.9	7.41	59.4	7.47
	16	41.0	5.19	48.8	6.41	52.3	7.56	53.8	7.63	55.3	7.69	57.9	7.76	59.4	7.82
	18	41.0	5.41	48.8	6.79	52.3	7.91	53.8	8.08	55.3	8.14	57.9	8.22	59.4	8.28
	20	41.0	5.64	48.8	7.23	52.3	8.30	53.8	8.89	55.3	8.96	57.1	9.05	58.6	9.11
	21	41.0	5.79	48.8	7.48	52.3	8.47	53.8	9.41	55.3	9.48	56.8	9.57	58.3	9.64
	23	41.0	6.21	48.8	7.87	52.3	8.91	53.8	10.38	54.6	10.46	55.9	10.56	57.4	10.64
	25	41.0	6.64	48.8	8.32	52.3	9.52	53.1	11.51	53.8	11.60	55.3	11.72	56.8	11.80
	27	41.0	7.10	48.8	8.90	51.6	10.15	52.3	12.67	53.1	12.77	54.6	12.90	55.9	12.99
	29	41.0	7.57	48.8	9.51	50.8	10.92	51.5	13.93	52.3	14.01	53.8	14.13	55.3	14.19
	31	41.0	8.07	48.6	10.02	49.9	11.61	50.8	13.87	51.5	13.95	52.9	14.07	54.4	14.13
	33	41.0	8.60	47.8	10.62	49.3	12.46	50.1	13.74	50.8	13.82	52.3	13.95	53.6	14.00
	35	41.0	9.17	46.9	11.12	48.4	13.49	49.3	13.56	50.1	13.64	51.4	13.76	52.9	13.82
	37	41.0	9.78	46.3	11.67	47.8	13.31	48.4	13.38	49.3	13.46	50.6	13.58	52.1	13.64
	39	41.0	10.42	45.5	12.28	46.9	13.14	47.8	13.20	48.4	13.28	49.9	13.40	51.4	13.45
	41	39.9	11.05	43.6	12.90	45.0	12.96	45.7	13.02	46.6	13.10	48.0	13.22	49.3	13.27
	43	38.9	11.66	41.8	12.72	43.2	12.78	43.9	12.84	44.7	12.92	46.1	13.04	47.4	13.09
46	36.5	12.48	38.1	12.45	39.5	12.51	40.1	12.58	40.9	12.65	42.2	12.76	43.4	12.81	
48	32.3	12.13	33.1	12.16	34.3	12.19	34.9	12.22	35.6	12.33	36.7	12.41	37.8	12.46	
120	10	37.9	4.25	45.0	5.21	49.2	6.19	50.7	6.69	52.2	6.80	55.1	6.83	56.4	6.88
	12	37.9	4.37	45.0	5.39	49.2	6.44	50.7	6.84	52.2	7.05	55.1	7.14	56.4	7.19
	14	37.9	4.52	45.0	5.57	49.2	6.70	50.7	7.10	52.2	7.31	55.1	7.42	56.4	7.48
	16	37.9	4.68	45.0	5.80	49.2	6.96	50.7	7.36	52.2	7.65	55.1	7.74	56.4	7.80
	18	37.9	4.86	45.0	6.06	49.2	7.24	50.7	7.75	52.2	8.04	55.1	8.13	56.4	8.20
	20	37.9	5.05	45.0	6.43	49.2	7.63	50.7	8.15	52.2	8.47	55.1	8.58	56.4	8.65
	21	37.9	5.20	45.0	6.66	49.2	7.84	50.7	8.39	52.2	8.74	55.1	8.86	56.4	8.93
	23	37.9	5.56	45.0	7.12	49.2	8.41	50.7	8.92	52.2	9.32	55.1	9.42	56.4	9.49
	25	37.9	5.94	45.0	7.63	49.2	8.87	50.7	9.51	52.2	10.00	54.4	10.08	55.7	10.16
	27	37.9	6.34	45.0	8.16	49.2	9.43	50.7	10.16	52.2	10.74	53.6	10.82	54.9	10.90
	29	37.9	6.76	45.0	8.71	49.2	9.93	50.7	10.87	51.4	11.45	52.7	11.62	54.2	11.72
	31	37.9	7.21	45.0	9.30	49.2	10.44	50.1	11.65	50.7	12.28	52.1	12.50	53.4	12.60
	33	37.9	7.67	45.0	9.91	48.6	11.05	49.2	12.64	49.9	13.19	51.2	13.34	52.6	13.45
	35	37.9	8.16	45.0	10.57	47.7	11.69	48.4	13.93	49.2	13.99	50.6	14.04	51.9	14.15
	37	37.9	8.78	45.0	11.15	47.0	12.46	47.7	13.63	48.4	13.70	49.7	13.74	51.1	13.85
	39	37.9	9.45	44.9	11.79	46.2	13.22	46.9	13.35	47.5	13.42	49.1	13.46	50.4	13.57
	41	36.9	10.12	42.9	12.42	44.4	12.96	45.0	13.07	45.7	13.14	47.0	13.18	48.3	13.28
	43	36.0	10.80	41.1	12.24	42.5	12.67	43.2	12.79	43.8	12.86	45.1	12.89	46.4	13.00
46	33.7	11.62	37.5	11.95	38.9	12.27	39.4	12.37	40.0	12.43	41.2	12.47	42.5	12.57	
48	29.8	11.38	32.6	11.74	33.8	12.03	34.3	12.10	34.8	12.14	35.9	12.19	37.0	12.24	
110	10	34.7	3.82	41.3	4.66	46.2	5.54	47.5	5.99	50.5	6.45	51.7	6.63	55.1	6.74
	12	34.7	3.94	41.3	4.82	46.2	5.77	47.5	6.16	50.5	6.69	51.7	6.91	55.1	7.07
	14	34.7	4.07	41.3	5.03	46.2	6.03	47.5	6.47	50.5	7.03	51.7	7.23	55.1	7.38
	16	34.7	4.21	41.3	5.22	46.2	6.28	47.5	6.75	50.5	7.35	51.7	7.55	55.1	7.69
	18	34.7	4.37	41.3	5.44	46.2	6.64	47.5	7.11	50.5	7.76	51.7	7.91	55.1	8.06
	20	34.7	4.52	41.3	5.71	46.2	7.04	47.5	7.43	50.5	8.13	51.7	8.33	55.1	8.47
	21	34.7	4.62	41.3	5.88	46.2	7.22	47.5	7.63	50.5	8.36	51.7	8.57	55.1	8.70
	23	34.7	4.93	41.3	6.30	46.2	7.62	47.5	8.06	50.5	8.83	51.7	9.02	55.1	9.17
	25	34.7	5.26	41.3	6.72	46.2	8.05	47.5	8.52	50.5	9.33	51.7	9.46	54.5	9.66
	27	34.7	5.62	41.3	7.19	46.2	8.51	47.5	9.02	50.5	9.74	51.7	9.97	53.7	10.14
	29	34.7	6.00	41.3	7.67	46.2	8.99	47.5	9.55	50.5	10.30	51.7	10.47	53.0	10.63
	31	34.7	6.38	41.3	8.18	46.2	9.50	47.5	10.12	49.7	10.82	51.0	11.03	52.2	11.15
	33	34.7	6.81	41.3	8.71	46.2	10.04	47.5	10.72	49.0	11.43	50.2	11.62	51.5	11.68
	35	34.7	7.23	41.3	9.30	46.2	10.60	47.5	11.36	48.2	12.06	49.3	12.17	50.7	12.23
	37	34.7	7.66	41.3	9.87	46.2	11.19	46.8	12.04	47.3	12.72	48.7	12.76	49.8	12.80
	39	34.7	8.26	41.3	10.49	45.3	11.81	46.0	12.87	46.7	13.35	47.8	13.37	49.2	13.38
	41	33.8	8.86	40.3	11.11	43.4	12.46	44.1	13.93	44.6	13.93	45.9	14.04	47.1	14.15
	43	32.9	9.30	39.3	11.57	41.6	13.21	42.3	13.36	42.8	13.33	44.1	13.40	45.2	13.44
46	30.9	9.08	36.8	11.17	37.9	12.54	38.6	12.54	39.1	12.64	40.3	12.71	41.3	12.75	
48	27.3	8.82	32.0	10.76	32.9	11.93	33.5	12.01	34.0	12.06	35.0	12.10	36.0	12.15	

# 7. Capacity Tables

Cooling Capacity (16HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	30.2	3.44	36.0	4.19	41.9	4.97	44.8	5.36	47.7	5.76	52.9	6.42	54.0	6.47
	12	30.2	3.55	36.0	4.36	41.9	5.13	44.8	5.51	47.7	5.95	52.9	6.76	54.0	6.83
	14	30.2	3.67	36.0	4.53	41.9	5.35	44.8	5.75	47.7	6.20	52.9	7.14	54.0	7.21
	16	30.2	3.78	36.0	4.68	41.9	5.58	44.8	6.02	47.7	6.54	52.9	7.49	54.0	7.59
	18	30.2	3.89	36.0	4.85	41.9	5.79	44.8	6.31	47.7	6.93	52.9	7.91	54.0	7.97
	20	30.2	4.03	36.0	5.04	41.9	6.13	44.8	6.76	47.7	7.42	52.9	8.29	54.0	8.35
	21	30.2	4.11	36.0	5.16	41.9	6.34	44.8	7.00	47.7	7.69	52.9	8.48	54.0	8.54
	23	30.2	4.35	36.0	5.52	41.9	6.81	44.8	7.50	47.7	8.24	52.9	8.88	54.0	8.95
	25	30.2	4.63	36.0	5.88	41.9	7.27	44.8	8.03	47.7	8.81	52.9	9.25	53.6	9.33
	27	30.2	4.95	36.0	6.28	41.9	7.78	44.8	8.58	47.7	9.37	51.8	9.69	52.9	9.77
	29	30.2	5.26	36.0	6.70	41.9	8.31	44.8	9.17	47.7	9.92	50.9	10.08	52.1	10.16
	31	30.2	5.62	36.0	7.14	41.9	8.86	44.8	9.79	47.7	10.42	50.1	10.47	51.3	10.55
	33	30.2	5.96	36.0	7.61	41.9	9.45	44.8	10.44	47.7	10.81	49.3	10.86	50.5	10.95
	35	30.2	6.34	36.0	8.10	41.9	10.06	44.8	11.14	47.0	11.21	48.4	11.25	49.6	11.34
	37	30.2	6.79	36.0	8.68	41.9	10.66	44.8	11.67	46.2	11.73	47.5	11.77	48.6	11.88
	39	30.2	7.28	36.0	9.33	41.9	11.29	44.8	12.24	45.4	12.30	46.7	12.34	47.8	12.46
	41	29.8	7.77	35.4	9.97	41.3	11.93	43.0	12.81	43.9	12.86	45.0	12.91	46.4	13.03
43	28.7	8.22	34.2	10.57	39.8	12.50	41.2	13.30	41.7	13.35	43.0	13.39	44.1	13.52	
46	26.9	8.85	32.1	11.40	37.3	13.26	37.6	13.93	38.0	13.97	39.3	14.01	40.3	14.14	
48	23.8	7.64	28.4	9.86	32.2	11.34	32.7	11.82	33.0	11.85	34.1	11.88	35.1	11.98	
90	10	27.2	2.89	32.5	3.47	37.8	4.09	40.3	4.41	42.9	4.74	48.2	5.31	53.4	5.91
	12	27.2	2.92	32.5	3.52	37.8	4.16	40.3	4.50	42.9	4.85	48.2	5.42	53.4	6.01
	14	27.2	2.97	32.5	3.59	37.8	4.25	40.3	4.59	42.9	4.94	48.2	5.52	53.4	6.13
	16	27.2	3.03	32.5	3.66	37.8	4.34	40.3	4.67	42.9	5.03	48.2	5.63	53.4	6.24
	18	27.2	3.08	32.5	3.74	37.8	4.41	40.3	4.78	42.9	5.13	48.2	5.75	53.4	6.55
	20	27.2	3.13	32.5	3.81	37.8	4.50	40.3	4.87	42.9	5.33	48.2	6.15	53.4	6.86
	21	27.2	3.17	32.5	3.84	37.8	4.59	40.3	5.03	42.9	5.52	48.2	6.25	53.4	7.02
	23	27.2	3.24	32.5	4.00	37.8	4.90	40.3	5.40	42.9	5.91	48.2	6.63	52.7	7.35
	25	27.2	3.40	32.5	4.27	37.8	5.24	40.3	5.77	42.9	6.32	48.2	7.09	51.9	7.67
	27	27.2	3.63	32.5	4.55	37.8	5.59	40.3	6.16	42.9	6.76	48.2	7.54	51.2	8.03
	29	27.2	3.84	32.5	4.85	37.8	5.98	40.3	6.59	42.9	7.22	48.2	7.98	50.4	8.35
	31	27.2	4.09	32.5	5.17	37.8	6.37	40.3	7.01	42.9	7.70	48.2	8.38	49.7	8.67
	33	27.2	4.36	32.5	5.51	37.8	6.80	40.3	7.47	42.9	8.17	48.2	8.79	48.9	9.00
	35	27.2	4.62	32.5	5.84	37.8	7.22	40.3	7.97	42.9	8.66	47.3	9.29	48.1	9.51
	37	27.2	4.90	32.5	6.21	37.8	7.70	40.3	8.46	42.9	9.14	46.6	9.71	47.4	9.93
	39	27.2	5.19	32.5	6.61	37.8	8.15	40.3	9.01	42.9	9.62	45.8	10.24	46.6	10.36
	41	26.5	5.81	31.6	7.33	36.8	8.95	39.3	9.85	41.8	10.38	43.9	10.79	44.7	11.04
43	25.8	6.27	30.9	7.92	35.9	9.77	38.3	10.61	40.7	11.13	42.1	11.56	42.9	11.70	
46	24.2	7.06	28.9	9.02	33.6	11.14	35.9	12.03	37.0	12.37	38.4	12.69	39.1	12.70	
48	21.4	6.17	25.6	7.89	29.7	9.74	31.8	10.49	32.2	10.66	33.4	10.92	34.0	10.93	
80	10	24.2	2.43	28.8	2.92	33.4	3.42	35.8	3.69	38.2	3.96	42.9	4.52	47.5	4.90
	12	24.2	2.48	28.8	2.95	33.4	3.49	35.8	3.76	38.2	4.03	42.9	4.60	47.5	5.00
	14	24.2	2.51	28.8	3.02	33.4	3.54	35.8	3.83	38.2	4.10	42.9	4.69	47.5	5.10
	16	24.2	2.54	28.8	3.07	33.4	3.61	35.8	3.89	38.2	4.18	42.9	4.79	47.5	5.19
	18	24.2	2.60	28.8	3.12	33.4	3.67	35.8	3.96	38.2	4.26	42.9	4.87	47.5	5.31
	20	24.2	2.65	28.8	3.19	33.4	3.76	35.8	4.04	38.2	4.35	42.9	5.06	47.5	5.62
	21	24.2	2.66	28.8	3.22	33.4	3.79	35.8	4.10	38.2	4.45	42.9	5.22	47.5	5.77
	23	24.2	2.71	28.8	3.27	33.4	3.96	35.8	4.35	38.2	4.75	42.9	5.51	47.5	6.06
	25	24.2	2.81	28.8	3.49	33.4	4.25	35.8	4.65	38.2	5.09	42.9	5.89	47.5	6.48
	27	24.2	2.98	28.8	3.71	33.4	4.53	35.8	4.97	38.2	5.43	42.9	6.26	47.5	6.82
	29	24.2	3.17	28.8	3.96	33.4	4.82	35.8	5.29	38.2	5.80	42.9	6.71	47.5	7.30
	31	24.2	3.37	28.8	4.20	33.4	5.14	35.8	5.65	38.2	6.17	42.9	7.12	47.5	7.66
	33	24.2	3.57	28.8	4.48	33.4	5.48	35.8	6.02	38.2	6.57	42.9	7.50	47.5	8.03
	35	24.2	3.79	28.8	4.75	33.4	5.83	35.8	6.40	38.2	7.01	42.9	7.95	47.0	8.32
	37	24.2	4.01	28.8	5.05	33.4	6.18	35.8	6.81	38.2	7.45	42.9	8.39	46.3	8.70
	39	24.2	4.24	28.8	5.34	33.4	6.62	35.8	7.32	38.2	8.01	42.9	8.87	45.5	9.18
	41	23.5	4.69	28.1	5.92	32.6	7.26	34.9	8.02	37.3	8.80	41.8	9.87	43.6	10.17
43	23.0	5.16	27.4	6.46	31.8	7.93	34.1	8.74	36.3	9.61	40.7	10.56	41.8	10.89	
46	21.5	5.74	25.6	7.28	29.8	8.93	31.9	9.73	34.1	10.85	37.3	11.53	38.1	11.71	
48	19.0	5.02	22.7	6.36	26.3	7.81	28.2	8.50	30.1	9.49	32.4	9.98	33.1	10.08	



# 7. Capacity Tables

Cooling Capacity (16HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
70	10	21.1	2.14	25.3	2.54	29.3	2.95	31.4	3.18	33.4	3.40	37.4	3.87	41.6	4.33
	12	21.1	2.17	25.3	2.58	29.3	3.02	31.4	3.23	33.4	3.47	37.4	3.94	41.6	4.41
	14	21.1	2.21	25.3	2.61	29.3	3.07	31.4	3.28	33.4	3.52	37.4	4.03	41.6	4.50
	16	21.1	2.24	25.3	2.66	29.3	3.12	31.4	3.35	33.4	3.59	37.4	4.09	41.6	4.59
	18	21.1	2.27	25.3	2.71	29.3	3.18	31.4	3.42	33.4	3.66	37.4	4.16	41.6	4.67
	20	21.1	2.31	25.3	2.76	29.3	3.23	31.4	3.49	33.4	3.74	37.4	4.26	41.6	4.85
	21	21.1	2.34	25.3	2.78	29.3	3.27	31.4	3.52	33.4	3.77	37.4	4.33	41.6	4.95
	23	21.1	2.38	25.3	2.85	29.3	3.34	31.4	3.64	33.4	3.96	37.4	4.63	41.6	5.23
	25	21.1	2.41	25.3	2.95	29.3	3.55	31.4	3.89	33.4	4.23	37.4	4.95	41.6	5.48
	27	21.1	2.54	25.3	3.15	29.3	3.79	31.4	4.13	33.4	4.51	37.4	5.29	41.6	5.83
	29	21.1	2.71	25.3	3.34	29.3	4.03	31.4	4.40	33.4	4.80	37.4	5.64	41.6	6.24
	31	21.1	2.88	25.3	3.55	29.3	4.30	31.4	4.70	33.4	5.12	37.4	6.01	41.6	6.63
	33	21.1	3.05	25.3	3.76	29.3	4.56	31.4	4.99	33.4	5.44	37.4	6.40	41.6	7.05
	35	21.1	3.22	25.3	4.01	29.3	4.85	31.4	5.31	33.4	5.79	37.4	6.82	41.6	7.48
	37	21.1	3.42	25.3	4.25	29.3	5.15	31.4	5.64	33.4	6.16	37.4	7.26	41.6	7.89
	39	21.1	3.63	25.3	4.53	29.3	5.51	31.4	6.07	33.4	6.66	37.4	7.77	41.6	8.51
	41	20.6	4.01	24.6	4.96	28.5	6.05	30.6	6.66	32.6	7.24	36.5	8.53	40.5	9.18
	43	20.1	4.37	24.0	5.41	27.8	6.60	29.8	7.26	31.8	7.91	35.6	9.32	39.5	9.93
46	18.8	4.86	22.5	6.08	26.1	7.43	27.9	8.09	29.8	8.91	33.3	10.51	37.0	11.06	
48	16.6	4.24	19.9	5.31	23.1	6.49	24.7	7.07	26.3	7.80	29.5	9.20	32.8	9.58	
60	10	18.1	1.85	21.6	2.17	25.1	2.53	26.9	2.71	28.6	2.88	32.2	3.27	35.7	3.65
	12	18.1	1.89	21.6	2.21	25.1	2.56	26.9	2.74	28.6	2.93	32.2	3.32	35.7	3.72
	14	18.1	1.90	21.6	2.24	25.1	2.61	26.9	2.79	28.6	2.98	32.2	3.38	35.7	3.79
	16	18.1	1.94	21.6	2.29	25.1	2.64	26.9	2.85	28.6	3.05	32.2	3.45	35.7	3.86
	18	18.1	1.97	21.6	2.32	25.1	2.69	26.9	2.90	28.6	3.10	32.2	3.50	35.7	3.94
	20	18.1	2.00	21.6	2.36	25.1	2.74	26.9	2.95	28.6	3.15	32.2	3.57	35.7	4.02
	21	18.1	2.02	21.6	2.37	25.1	2.78	26.9	2.98	28.6	3.18	32.2	3.62	35.7	4.06
	23	18.1	2.05	21.6	2.42	25.1	2.81	26.9	3.03	28.6	3.25	32.2	3.75	35.7	4.31
	25	18.1	2.09	21.6	2.47	25.1	2.93	26.9	3.18	28.6	3.45	32.2	4.01	35.7	4.61
	27	18.1	2.15	21.6	2.61	25.1	3.11	26.9	3.38	28.6	3.67	32.2	4.26	35.7	4.92
	29	18.1	2.29	21.6	2.78	25.1	3.32	26.9	3.60	28.6	3.91	32.2	4.55	35.7	5.25
	31	18.1	2.42	21.6	2.95	25.1	3.52	26.9	3.84	28.6	4.16	32.2	4.85	35.7	5.59
	33	18.1	2.56	21.6	3.11	25.1	3.74	26.9	4.07	28.6	4.43	32.2	5.15	35.7	5.96
	35	18.1	2.71	21.6	3.32	25.1	3.97	26.9	4.33	28.6	4.70	32.2	5.49	35.7	6.33
	37	18.1	2.86	21.6	3.50	25.1	4.21	26.9	4.60	28.6	4.98	32.2	5.82	35.7	6.73
	39	18.1	3.04	21.6	3.73	25.1	4.54	26.9	4.93	28.6	5.36	32.2	6.25	35.7	7.22
	41	17.6	3.30	21.0	4.08	24.5	4.93	26.2	5.39	27.9	5.82	31.3	6.85	34.8	7.84
	43	17.2	3.59	20.5	4.44	23.9	5.38	25.5	5.87	27.2	6.35	30.6	7.48	33.9	8.57
46	16.1	4.02	19.2	4.99	22.4	6.05	23.9	6.60	25.5	7.14	28.6	8.43	31.8	9.76	
48	14.2	3.50	17.0	4.35	19.8	5.28	21.2	5.76	22.6	6.24	25.3	7.37	28.1	8.54	
50	10	15.1	1.60	18.1	1.85	21.0	2.10	22.4	2.25	23.8	2.39	26.7	2.69	29.8	3.00
	12	15.1	1.62	18.1	1.87	21.0	2.14	22.4	2.29	23.8	2.44	26.7	2.74	29.8	3.05
	14	15.1	1.63	18.1	1.90	21.0	2.17	22.4	2.32	23.8	2.47	26.7	2.78	29.8	3.10
	16	15.1	1.67	18.1	1.94	21.0	2.20	22.4	2.37	23.8	2.51	26.7	2.83	29.8	3.15
	18	15.1	1.68	18.1	1.95	21.0	2.24	22.4	2.41	23.8	2.56	26.7	2.88	29.8	3.21
	20	15.1	1.70	18.1	1.99	21.0	2.29	22.4	2.44	23.8	2.61	26.7	2.93	29.8	3.28
	21	15.1	1.72	18.1	2.00	21.0	2.31	22.4	2.47	23.8	2.62	26.7	2.96	29.8	3.31
	23	15.1	1.75	18.1	2.04	21.0	2.34	22.4	2.51	23.8	2.68	26.7	3.01	29.8	3.38
	25	15.1	1.77	18.1	2.07	21.0	2.39	22.4	2.56	23.8	2.76	26.7	3.16	29.8	3.62
	27	15.1	1.80	18.1	2.14	21.0	2.52	22.4	2.73	23.8	2.93	26.7	3.38	29.8	3.85
	29	15.1	1.90	18.1	2.27	21.0	2.68	22.4	2.89	23.8	3.11	26.7	3.58	29.8	4.09
	31	15.1	2.00	18.1	2.41	21.0	2.84	22.4	3.06	23.8	3.31	26.7	3.82	29.8	4.36
	33	15.1	2.12	18.1	2.54	21.0	3.01	22.4	3.25	23.8	3.52	26.7	4.06	29.8	4.64
	35	15.1	2.24	18.1	2.69	21.0	3.18	22.4	3.45	23.8	3.72	26.7	4.29	29.8	4.93
	37	15.1	2.37	18.1	2.84	21.0	3.37	22.4	3.65	23.8	3.94	26.7	4.58	29.8	5.23
	39	15.1	2.53	18.1	3.05	21.0	3.61	22.4	3.93	23.8	4.22	26.7	4.87	29.8	5.65
	41	14.7	2.74	17.6	3.30	20.4	3.94	21.8	4.26	23.2	4.58	26.0	5.34	29.0	6.14
	43	14.4	2.97	17.2	3.59	19.9	4.29	21.3	4.64	22.7	4.98	25.4	5.83	28.3	6.70
46	13.5	3.33	16.1	4.03	18.7	4.81	19.9	5.21	21.2	5.59	23.8	6.56	26.5	7.54	
48	11.9	2.90	14.2	3.51	16.5	4.20	17.6	4.54	18.8	4.88	21.1	5.73	23.4	6.59	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN180BTE5

Cooling Capacity (18HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	46.1	4.79	54.9	5.86	58.8	6.79	60.5	6.93	62.2	6.99	65.2	7.04	66.9	7.07
	12	46.1	4.91	54.9	6.07	58.8	7.07	60.5	7.12	62.2	7.18	65.2	7.23	66.9	7.30
	14	46.1	5.08	54.9	6.29	58.8	7.34	60.5	7.39	62.2	7.45	65.2	7.51	66.9	7.58
	16	46.1	5.26	54.9	6.51	58.8	7.67	60.5	7.74	62.2	7.80	65.2	7.87	66.9	7.93
	18	46.1	5.48	54.9	6.88	58.8	8.02	60.5	8.19	62.2	8.26	65.2	8.34	66.9	8.40
	20	46.1	5.72	54.9	7.33	58.8	8.42	60.5	9.01	62.2	9.09	64.2	9.18	65.9	9.24
	21	46.1	5.87	54.9	7.59	58.8	8.59	60.5	9.54	62.2	9.61	63.9	9.71	65.6	9.78
	23	46.1	6.30	54.9	7.98	58.8	9.04	60.5	10.52	61.4	10.61	62.9	10.71	64.6	10.79
	25	46.1	6.73	54.9	8.44	58.8	9.66	59.8	11.67	60.5	11.77	62.2	11.88	63.9	11.96
	27	46.1	7.20	54.9	9.02	58.1	10.29	58.8	12.85	59.8	12.95	61.4	13.08	62.9	13.17
	29	46.1	7.67	54.9	9.65	57.1	11.07	58.0	14.12	58.8	14.21	60.5	14.33	62.2	14.39
	31	46.1	8.19	54.7	10.16	56.2	11.78	57.1	14.06	58.0	14.15	59.6	14.27	61.2	14.33
	33	46.1	8.73	53.8	10.77	55.4	12.63	56.3	13.93	57.1	14.02	58.8	14.14	60.3	14.20
	35	46.1	9.30	52.8	11.28	54.5	13.68	55.4	13.75	56.3	13.84	57.9	13.96	59.6	14.01
	37	46.1	9.92	52.1	11.83	53.8	13.50	54.5	13.57	55.4	13.65	56.9	13.77	58.6	13.83
	39	46.1	10.56	51.1	12.46	52.8	13.32	53.8	13.39	54.5	13.47	56.2	13.59	57.9	13.64
	41	44.9	11.21	49.0	13.08	50.7	13.14	51.4	13.21	52.4	13.29	54.0	13.41	55.5	13.46
	43	43.8	11.82	47.0	12.90	48.6	12.96	49.3	13.03	50.3	13.10	51.9	13.22	53.3	13.27
46	41.0	12.65	42.9	12.63	44.4	12.69	45.1	12.75	46.0	12.83	47.5	12.95	48.8	13.00	
48	36.3	12.30	37.2	12.34	38.6	12.36	39.2	12.40	40.1	12.50	41.3	12.58	42.5	12.63	
120	10	42.6	4.31	50.7	5.29	55.4	6.28	57.1	6.79	58.7	6.90	61.9	6.92	63.5	6.98
	12	42.6	4.43	50.7	5.46	55.4	6.53	57.1	6.93	58.7	7.15	61.9	7.24	63.5	7.30
	14	42.6	4.58	50.7	5.65	55.4	6.80	57.1	7.20	58.7	7.41	61.9	7.52	63.5	7.58
	16	42.6	4.75	50.7	5.88	55.4	7.06	57.1	7.46	58.7	7.76	61.9	7.85	63.5	7.91
	18	42.6	4.93	50.7	6.15	55.4	7.34	57.1	7.86	58.7	8.15	61.9	8.25	63.5	8.31
	20	42.6	5.12	50.7	6.52	55.4	7.74	57.1	8.27	58.7	8.59	61.9	8.70	63.5	8.77
	21	42.6	5.27	50.7	6.75	55.4	7.96	57.1	8.51	58.7	8.87	61.9	8.98	63.5	9.05
	23	42.6	5.64	50.7	7.22	55.4	8.52	57.1	9.04	58.7	9.46	61.9	9.55	63.5	9.63
	25	42.6	6.02	50.7	7.74	55.4	8.99	57.1	9.64	58.7	10.14	61.2	10.22	62.7	10.31
	27	42.6	6.43	50.7	8.27	55.4	9.57	57.1	10.30	58.7	10.90	60.3	10.97	61.8	11.06
	29	42.6	6.86	50.7	8.83	55.4	10.07	57.1	11.02	57.8	11.61	59.3	11.79	61.0	11.88
	31	42.6	7.31	50.7	9.43	55.4	10.59	56.3	11.81	57.1	12.46	58.6	12.68	60.1	12.78
	33	42.6	7.78	50.7	10.05	54.6	11.20	55.4	12.82	56.1	13.38	57.6	13.53	59.1	13.64
	35	42.6	8.27	50.7	10.72	53.7	11.86	54.4	14.12	55.4	14.19	56.9	14.24	58.4	14.35
	37	42.6	8.90	50.7	11.31	52.9	12.64	53.7	13.83	54.4	13.89	55.9	13.94	57.4	14.05
	39	42.6	9.58	50.5	11.95	52.0	13.41	52.7	13.54	53.5	13.61	55.2	13.65	56.7	13.76
	41	41.5	10.26	48.3	12.60	49.9	13.14	50.6	13.26	51.4	13.32	52.8	13.36	54.4	13.47
	43	40.5	10.95	46.3	12.42	47.9	12.85	48.6	12.97	49.3	13.04	50.7	13.08	52.2	13.18
46	38.0	11.78	42.2	12.12	43.7	12.45	44.4	12.55	45.0	12.61	46.4	12.65	47.8	12.75	
48	33.6	11.54	36.6	11.91	38.0	12.20	38.6	12.28	39.2	12.32	40.4	12.36	41.6	12.41	
110	10	39.0	3.88	46.5	4.73	51.9	5.61	53.4	6.08	56.8	6.54	58.1	6.72	62.0	6.83
	12	39.0	4.00	46.5	4.89	51.9	5.85	53.4	6.25	56.8	6.79	58.1	7.00	62.0	7.17
	14	39.0	4.12	46.5	5.11	51.9	6.11	53.4	6.56	56.8	7.13	58.1	7.33	62.0	7.49
	16	39.0	4.27	46.5	5.29	51.9	6.37	53.4	6.85	56.8	7.46	58.1	7.66	62.0	7.79
	18	39.0	4.43	46.5	5.51	51.9	6.73	53.4	7.21	56.8	7.87	58.1	8.02	62.0	8.17
	20	39.0	4.59	46.5	5.79	51.9	7.14	53.4	7.54	56.8	8.25	58.1	8.45	62.0	8.59
	21	39.0	4.69	46.5	5.96	51.9	7.32	53.4	7.74	56.8	8.48	58.1	8.69	62.0	8.83
	23	39.0	4.99	46.5	6.39	51.9	7.73	53.4	8.17	56.8	8.96	58.1	9.15	62.0	9.30
	25	39.0	5.34	46.5	6.82	51.9	8.17	53.4	8.64	56.8	9.46	58.1	9.60	61.3	9.79
	27	39.0	5.70	46.5	7.29	51.9	8.63	53.4	9.14	56.8	9.88	58.1	10.11	60.4	10.28
	29	39.0	6.09	46.5	7.78	51.9	9.12	53.4	9.68	56.8	10.44	58.1	10.62	59.6	10.78
	31	39.0	6.47	46.5	8.30	51.9	9.64	53.4	10.26	55.9	10.97	57.4	11.19	58.7	11.31
	33	39.0	6.90	46.5	8.83	51.9	10.18	53.4	10.87	55.1	11.59	56.4	11.78	57.9	11.85
	35	39.0	7.33	46.5	9.43	51.9	10.75	53.4	11.52	54.2	12.23	55.5	12.34	57.0	12.40
	37	39.0	7.77	46.5	10.01	51.9	11.35	52.7	12.21	53.2	12.90	54.7	12.94	56.0	12.98
	39	39.0	8.38	46.5	10.64	51.0	11.98	51.7	13.06	52.5	13.54	53.8	13.56	55.3	13.57
	41	38.0	8.98	45.3	11.27	48.8	12.63	49.6	14.12	50.2	14.12	51.7	14.24	53.0	14.35
	43	37.1	9.43	44.2	11.74	46.8	13.40	47.5	13.55	48.2	13.52	49.6	13.59	50.8	13.63
46	34.7	9.21	41.4	11.33	42.7	12.71	43.4	12.71	44.0	12.82	45.3	12.89	46.5	12.93	
48	30.7	8.94	36.0	10.92	37.1	12.10	37.7	12.18	38.2	12.24	39.4	12.27	40.5	12.32	

# 7. Capacity Tables

Cooling Capacity (18HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	34.0	3.49	40.5	4.24	47.2	5.04	50.4	5.44	53.6	5.85	59.5	6.51	60.8	6.56
	12	34.0	3.60	40.5	4.42	47.2	5.21	50.4	5.59	53.6	6.03	59.5	6.86	60.8	6.93
	14	34.0	3.72	40.5	4.59	47.2	5.43	50.4	5.83	53.6	6.29	59.5	7.24	60.8	7.31
	16	34.0	3.83	40.5	4.75	47.2	5.66	50.4	6.11	53.6	6.63	59.5	7.59	60.8	7.70
	18	34.0	3.94	40.5	4.92	47.2	5.88	50.4	6.40	53.6	7.03	59.5	8.02	60.8	8.08
	20	34.0	4.08	40.5	5.11	47.2	6.22	50.4	6.86	53.6	7.52	59.5	8.40	60.8	8.47
	21	34.0	4.17	40.5	5.23	47.2	6.43	50.4	7.10	53.6	7.80	59.5	8.60	60.8	8.66
	23	34.0	4.42	40.5	5.60	47.2	6.90	50.4	7.61	53.6	8.36	59.5	9.00	60.8	9.07
	25	34.0	4.69	40.5	5.96	47.2	7.37	50.4	8.15	53.6	8.94	59.5	9.39	60.3	9.46
	27	34.0	5.02	40.5	6.37	47.2	7.89	50.4	8.70	53.6	9.50	58.3	9.83	59.5	9.91
	29	34.0	5.34	40.5	6.80	47.2	8.43	50.4	9.30	53.6	10.06	57.2	10.22	58.6	10.30
	31	34.0	5.70	40.5	7.25	47.2	8.98	50.4	9.93	53.6	10.57	56.4	10.62	57.7	10.70
	33	34.0	6.05	40.5	7.72	47.2	9.58	50.4	10.59	53.6	10.97	55.5	11.01	56.8	11.10
	35	34.0	6.43	40.5	8.21	47.2	10.20	50.4	11.30	52.8	11.37	54.5	11.41	55.8	11.50
	37	34.0	6.89	40.5	8.81	47.2	10.81	50.4	11.84	52.0	11.89	53.4	11.94	54.7	12.05
	39	34.0	7.38	40.5	9.46	47.2	11.45	50.4	12.41	51.1	12.47	52.6	12.52	53.8	12.63
	41	33.5	7.88	39.9	10.11	46.4	12.10	48.4	12.99	49.4	13.04	50.6	13.09	52.2	13.21
43	32.3	8.34	38.5	10.72	44.8	12.68	46.4	13.49	46.9	13.54	48.4	13.58	49.6	13.71	
46	30.3	8.97	36.1	11.56	42.0	13.45	42.3	14.12	42.8	14.16	44.2	14.20	45.4	14.34	
48	26.8	7.75	31.9	10.00	36.3	11.50	36.8	11.98	37.2	12.02	38.4	12.05	39.4	12.14	
90	10	30.6	3.18	36.5	3.83	42.5	4.51	45.4	4.86	48.2	5.23	54.2	5.86	60.1	6.51
	12	30.6	3.22	36.5	3.89	42.5	4.59	45.4	4.96	48.2	5.35	54.2	5.97	60.1	6.63
	14	30.6	3.28	36.5	3.96	42.5	4.69	45.4	5.06	48.2	5.45	54.2	6.09	60.1	6.76
	16	30.6	3.34	36.5	4.04	42.5	4.78	45.4	5.15	48.2	5.55	54.2	6.21	60.1	6.88
	18	30.6	3.40	36.5	4.12	42.5	4.86	45.4	5.27	48.2	5.66	54.2	6.34	60.1	7.22
	20	30.6	3.46	36.5	4.20	42.5	4.96	45.4	5.37	48.2	5.88	54.2	6.78	60.1	7.57
	21	30.6	3.50	36.5	4.24	42.5	5.06	45.4	5.55	48.2	6.09	54.2	6.90	60.1	7.74
	23	30.6	3.57	36.5	4.41	42.5	5.41	45.4	5.96	48.2	6.52	54.2	7.31	59.3	8.11
	25	30.6	3.75	36.5	4.71	42.5	5.78	45.4	6.37	48.2	6.97	54.2	7.82	58.4	8.45
	27	30.6	4.00	36.5	5.02	42.5	6.17	45.4	6.79	48.2	7.46	54.2	8.31	57.6	8.85
	29	30.6	4.24	36.5	5.35	42.5	6.60	45.4	7.26	48.2	7.97	54.2	8.81	56.7	9.21
	31	30.6	4.51	36.5	5.70	42.5	7.03	45.4	7.73	48.2	8.49	54.2	9.25	55.9	9.57
	33	30.6	4.80	36.5	6.07	42.5	7.50	45.4	8.24	48.2	9.01	54.2	9.69	55.0	9.92
	35	30.6	5.10	36.5	6.44	42.5	7.97	45.4	8.79	48.2	9.55	53.2	10.25	54.2	10.48
	37	30.6	5.41	36.5	6.85	42.5	8.49	45.4	9.33	48.2	10.08	52.4	10.71	53.3	10.95
	39	30.6	5.73	36.5	7.29	42.5	8.99	45.4	9.93	48.2	10.60	51.5	11.29	52.4	11.43
	41	29.8	6.41	35.6	8.08	41.4	9.87	44.2	10.86	47.0	11.45	49.4	11.90	50.3	12.18
43	29.1	6.92	34.7	8.73	40.4	10.78	43.1	11.70	45.8	12.28	47.3	12.75	48.2	12.90	
46	27.3	7.78	32.5	9.95	37.8	12.28	40.4	13.26	41.7	13.64	43.2	13.99	44.0	14.01	
48	24.1	6.80	28.8	8.70	33.5	10.75	35.7	11.57	36.2	11.75	37.6	12.04	38.3	12.06	
80	10	27.2	2.68	32.4	3.22	37.6	3.78	40.3	4.07	43.0	4.37	48.2	4.98	53.5	5.41
	12	27.2	2.73	32.4	3.25	37.6	3.85	40.3	4.15	43.0	4.44	48.2	5.08	53.5	5.52
	14	27.2	2.77	32.4	3.33	37.6	3.91	40.3	4.22	43.0	4.52	48.2	5.17	53.5	5.63
	16	27.2	2.81	32.4	3.38	37.6	3.98	40.3	4.30	43.0	4.61	48.2	5.28	53.5	5.73
	18	27.2	2.86	32.4	3.44	37.6	4.05	40.3	4.37	43.0	4.71	48.2	5.37	53.5	5.86
	20	27.2	2.92	32.4	3.51	37.6	4.15	40.3	4.46	43.0	4.80	48.2	5.58	53.5	6.21
	21	27.2	2.94	32.4	3.55	37.6	4.18	40.3	4.52	43.0	4.91	48.2	5.76	53.5	6.37
	23	27.2	2.99	32.4	3.61	37.6	4.37	40.3	4.80	43.0	5.24	48.2	6.08	53.5	6.69
	25	27.2	3.11	32.4	3.85	37.6	4.69	40.3	5.13	43.0	5.62	48.2	6.50	53.5	7.15
	27	27.2	3.29	32.4	4.09	37.6	5.00	40.3	5.49	43.0	5.99	48.2	6.91	53.5	7.52
	29	27.2	3.50	32.4	4.37	37.6	5.32	40.3	5.84	43.0	6.40	48.2	7.40	53.5	8.05
	31	27.2	3.72	32.4	4.63	37.6	5.67	40.3	6.23	43.0	6.81	48.2	7.86	53.5	8.45
	33	27.2	3.94	32.4	4.95	37.6	6.04	40.3	6.64	43.0	7.25	48.2	8.28	53.5	8.86
	35	27.2	4.18	32.4	5.24	37.6	6.43	40.3	7.07	43.0	7.74	48.2	8.78	52.9	9.18
	37	27.2	4.43	32.4	5.58	37.6	6.83	40.3	7.51	43.0	8.22	48.2	9.26	52.0	9.60
	39	27.2	4.68	32.4	5.90	37.6	7.30	40.3	8.08	43.0	8.83	48.2	9.79	51.2	10.13
	41	26.5	5.17	31.6	6.53	36.7	8.01	39.3	8.85	41.9	9.71	47.0	10.89	49.0	11.23
43	25.8	5.70	30.8	7.13	35.8	8.75	38.3	9.65	40.9	10.61	45.8	11.65	47.0	12.02	
46	24.2	6.34	28.9	8.03	33.5	9.86	35.9	10.74	38.3	11.97	41.9	12.72	42.9	12.93	
48	21.4	5.53	25.5	7.02	29.6	8.62	31.8	9.38	33.9	10.48	36.4	11.01	37.3	11.13	



## 7. Capacity Tables

Cooling Capacity (18HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
70	10	23.8	2.36	28.4	2.81	32.9	3.25	35.3	3.52	37.6	3.76	42.1	4.28	46.8	4.78
	12	23.8	2.40	28.4	2.85	32.9	3.33	35.3	3.57	37.6	3.83	42.1	4.35	46.8	4.87
	14	23.8	2.44	28.4	2.88	32.9	3.38	35.3	3.63	37.6	3.89	42.1	4.44	46.8	4.96
	16	23.8	2.47	28.4	2.94	32.9	3.44	35.3	3.70	37.6	3.96	42.1	4.52	46.8	5.07
	18	23.8	2.51	28.4	2.99	32.9	3.52	35.3	3.78	37.6	4.04	42.1	4.59	46.8	5.16
	20	23.8	2.55	28.4	3.05	32.9	3.57	35.3	3.85	37.6	4.13	42.1	4.71	46.8	5.36
	21	23.8	2.59	28.4	3.07	32.9	3.61	35.3	3.89	37.6	4.17	42.1	4.78	46.8	5.47
	23	23.8	2.62	28.4	3.14	32.9	3.68	35.3	4.02	37.6	4.37	42.1	5.11	46.8	5.78
	25	23.8	2.66	28.4	3.25	32.9	3.92	35.3	4.30	37.6	4.67	42.1	5.47	46.8	6.06
	27	23.8	2.81	28.4	3.48	32.9	4.18	35.3	4.56	37.6	4.98	42.1	5.84	46.8	6.44
	29	23.8	2.99	28.4	3.68	32.9	4.44	35.3	4.85	37.6	5.30	42.1	6.23	46.8	6.89
	31	23.8	3.18	28.4	3.92	32.9	4.74	35.3	5.19	37.6	5.65	42.1	6.64	46.8	7.32
	33	23.8	3.37	28.4	4.15	32.9	5.04	35.3	5.51	37.6	6.01	42.1	7.07	46.8	7.79
	35	23.8	3.55	28.4	4.43	32.9	5.36	35.3	5.86	37.6	6.40	42.1	7.53	46.8	8.26
	37	23.8	3.78	28.4	4.69	32.9	5.69	35.3	6.23	37.6	6.81	42.1	8.02	46.8	8.72
	39	23.8	4.01	28.4	5.00	32.9	6.09	35.3	6.70	37.6	7.35	42.1	8.58	46.8	9.40
	41	23.2	4.43	27.7	5.48	32.1	6.67	34.4	7.35	36.7	7.99	41.0	9.42	45.6	10.14
43	22.6	4.82	27.0	5.97	31.3	7.28	33.5	8.02	35.8	8.73	40.0	10.29	44.5	10.96	
46	21.2	5.36	25.3	6.71	29.3	8.20	31.4	8.93	33.5	9.84	37.5	11.61	41.7	12.22	
48	18.7	4.68	22.4	5.86	26.0	7.17	27.8	7.80	29.6	8.61	33.2	10.16	36.9	10.57	
60	10	20.3	2.05	24.3	2.40	28.3	2.79	30.2	2.99	32.2	3.18	36.2	3.61	40.1	4.04
	12	20.3	2.08	24.3	2.44	28.3	2.83	30.2	3.03	32.2	3.24	36.2	3.66	40.1	4.11
	14	20.3	2.10	24.3	2.47	28.3	2.88	30.2	3.09	32.2	3.29	36.2	3.74	40.1	4.18
	16	20.3	2.14	24.3	2.53	28.3	2.92	30.2	3.14	32.2	3.37	36.2	3.81	40.1	4.26
	18	20.3	2.18	24.3	2.57	28.3	2.98	30.2	3.20	32.2	3.42	36.2	3.87	40.1	4.35
	20	20.3	2.21	24.3	2.60	28.3	3.03	30.2	3.25	32.2	3.48	36.2	3.94	40.1	4.45
	21	20.3	2.23	24.3	2.62	28.3	3.07	30.2	3.29	32.2	3.52	36.2	4.00	40.1	4.48
	23	20.3	2.27	24.3	2.68	28.3	3.11	30.2	3.35	32.2	3.59	36.2	4.15	40.1	4.76
	25	20.3	2.31	24.3	2.73	28.3	3.24	30.2	3.52	32.2	3.81	36.2	4.43	40.1	5.10
	27	20.3	2.38	24.3	2.88	28.3	3.44	30.2	3.74	32.2	4.05	36.2	4.71	40.1	5.43
	29	20.3	2.53	24.3	3.07	28.3	3.66	30.2	3.98	32.2	4.32	36.2	5.02	40.1	5.80
	31	20.3	2.68	24.3	3.25	28.3	3.89	30.2	4.24	32.2	4.59	36.2	5.36	40.1	6.18
	33	20.3	2.83	24.3	3.44	28.3	4.13	30.2	4.50	32.2	4.89	36.2	5.69	40.1	6.58
	35	20.3	2.99	24.3	3.66	28.3	4.39	30.2	4.78	32.2	5.19	36.2	6.06	40.1	6.99
	37	20.3	3.16	24.3	3.87	28.3	4.65	30.2	5.08	32.2	5.51	36.2	6.44	40.1	7.44
	39	20.3	3.36	24.3	4.12	28.3	5.02	30.2	5.45	32.2	5.92	36.2	6.90	40.1	7.97
	41	19.8	3.65	23.7	4.51	27.5	5.45	29.5	5.95	31.4	6.43	35.3	7.57	39.1	8.66
43	19.3	3.96	23.1	4.91	26.9	5.94	28.7	6.48	30.6	7.01	34.4	8.27	38.1	9.46	
46	18.1	4.44	21.6	5.51	25.2	6.68	26.9	7.29	28.7	7.89	32.2	9.31	35.7	10.78	
48	16.0	3.87	19.1	4.81	22.3	5.84	23.8	6.37	25.4	6.90	28.5	8.15	31.6	9.43	
50	10	17.0	1.77	20.3	2.05	23.6	2.33	25.2	2.49	26.8	2.64	30.1	2.98	33.5	3.31
	12	17.0	1.79	20.3	2.06	23.6	2.36	25.2	2.53	26.8	2.70	30.1	3.03	33.5	3.37
	14	17.0	1.80	20.3	2.10	23.6	2.40	25.2	2.57	26.8	2.73	30.1	3.07	33.5	3.42
	16	17.0	1.84	20.3	2.14	23.6	2.44	25.2	2.62	26.8	2.77	30.1	3.12	33.5	3.48
	18	17.0	1.86	20.3	2.16	23.6	2.47	25.2	2.66	26.8	2.83	30.1	3.18	33.5	3.55
	20	17.0	1.88	20.3	2.19	23.6	2.53	25.2	2.70	26.8	2.88	30.1	3.24	33.5	3.63
	21	17.0	1.90	20.3	2.21	23.6	2.55	25.2	2.73	26.8	2.90	30.1	3.27	33.5	3.66
	23	17.0	1.93	20.3	2.25	23.6	2.59	25.2	2.77	26.8	2.96	30.1	3.33	33.5	3.74
	25	17.0	1.95	20.3	2.29	23.6	2.64	25.2	2.83	26.8	3.05	30.1	3.50	33.5	4.00
	27	17.0	1.99	20.3	2.36	23.6	2.79	25.2	3.01	26.8	3.24	30.1	3.74	33.5	4.26
	29	17.0	2.10	20.3	2.51	23.6	2.96	25.2	3.20	26.8	3.44	30.1	3.96	33.5	4.52
	31	17.0	2.21	20.3	2.66	23.6	3.14	25.2	3.39	26.8	3.66	30.1	4.22	33.5	4.82
	33	17.0	2.34	20.3	2.81	23.6	3.33	25.2	3.59	26.8	3.89	30.1	4.48	33.5	5.13
	35	17.0	2.47	20.3	2.98	23.6	3.52	25.2	3.81	26.8	4.11	30.1	4.74	33.5	5.45
	37	17.0	2.62	20.3	3.14	23.6	3.72	25.2	4.04	26.8	4.35	30.1	5.06	33.5	5.78
	39	17.0	2.80	20.3	3.37	23.6	3.99	25.2	4.34	26.8	4.67	30.1	5.39	33.5	6.25
	41	16.6	3.03	19.8	3.65	23.0	4.36	24.6	4.71	26.1	5.06	29.3	5.91	32.6	6.78
43	16.2	3.29	19.3	3.97	22.4	4.74	23.9	5.12	25.5	5.51	28.6	6.44	31.8	7.40	
46	15.1	3.68	18.1	4.45	21.0	5.32	22.4	5.75	23.9	6.18	26.8	7.25	29.8	8.33	
48	13.4	3.21	16.0	3.88	18.6	4.64	19.9	5.02	21.1	5.40	23.7	6.33	26.4	7.28	

## Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

◆ ARUN200BTE5

Cooling Capacity (20HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	16	18	18	19	19	20	20	22	22	24	24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	51.2	5.46	61.0	6.67	65.4	7.74	67.2	7.90	69.1	7.96	72.4	8.03	74.3	8.06
	12	51.2	5.60	61.0	6.91	65.4	8.06	67.2	8.11	69.1	8.18	72.4	8.24	74.3	8.32
	14	51.2	5.78	61.0	7.16	65.4	8.36	67.2	8.43	69.1	8.49	72.4	8.56	74.3	8.64
	16	51.2	6.00	61.0	7.41	65.4	8.74	67.2	8.82	69.1	8.89	72.4	8.97	74.3	9.04
	18	51.2	6.25	61.0	7.84	65.4	9.14	67.2	9.34	69.1	9.41	72.4	9.51	74.3	9.57
	20	51.2	6.52	61.0	8.35	65.4	9.59	67.2	10.27	69.1	10.35	71.4	10.46	73.3	10.53
	21	51.2	6.69	61.0	8.65	65.4	9.79	67.2	10.87	69.1	10.96	71.0	11.06	72.9	11.14
	23	51.2	7.18	61.0	9.10	65.4	10.30	67.2	11.99	68.2	12.09	69.9	12.21	71.8	12.29
	25	51.2	7.67	61.0	9.62	65.4	11.01	66.4	13.30	67.2	13.41	69.1	13.54	71.0	13.63
	27	51.2	8.21	61.0	10.28	64.5	11.73	65.4	14.64	66.4	14.76	68.2	14.91	69.9	15.01
	29	51.2	8.75	61.0	10.99	63.5	12.62	64.4	16.09	65.4	16.19	67.2	16.33	69.1	16.40
	31	51.2	9.33	60.8	11.58	62.4	13.42	63.5	16.03	64.4	16.12	66.2	16.27	68.1	16.33
	33	51.2	9.94	59.7	12.27	61.6	14.40	62.6	15.88	63.5	15.97	65.4	16.12	67.0	16.18
	35	51.2	10.60	58.7	12.85	60.6	15.59	61.6	15.67	62.6	15.77	64.3	15.91	66.2	15.97
	37	51.2	11.31	57.9	13.49	59.7	15.39	60.6	15.46	61.6	15.56	63.3	15.70	65.2	15.76
	39	51.2	12.04	56.8	14.20	58.7	15.18	59.7	15.26	60.6	15.35	62.4	15.49	64.3	15.55
	41	49.9	12.77	54.5	14.91	56.3	14.98	57.1	15.05	58.3	15.14	60.0	15.28	61.6	15.34
	43	48.7	13.47	52.2	14.70	54.0	14.77	54.8	14.84	55.9	14.93	57.6	15.07	59.2	15.13
46	45.6	14.42	47.6	14.39	49.3	14.46	50.1	14.53	51.2	14.62	52.8	14.75	54.2	14.81	
48	40.3	14.02	41.4	14.06	42.9	14.09	43.6	14.13	44.5	14.25	45.9	14.34	47.2	14.39	
120	10	47.4	4.91	56.3	6.02	61.5	7.16	63.4	7.74	65.3	7.86	68.8	7.89	70.5	7.95
	12	47.4	5.05	56.3	6.23	61.5	7.45	63.4	7.90	65.3	8.15	68.8	8.25	70.5	8.31
	14	47.4	5.22	56.3	6.44	61.5	7.75	63.4	8.20	65.3	8.45	68.8	8.57	70.5	8.64
	16	47.4	5.41	56.3	6.70	61.5	8.05	63.4	8.51	65.3	8.84	68.8	8.95	70.5	9.02
	18	47.4	5.62	56.3	7.00	61.5	8.37	63.4	8.95	65.3	9.29	68.8	9.40	70.5	9.47
	20	47.4	5.83	56.3	7.43	61.5	8.82	63.4	9.42	65.3	9.78	68.8	9.91	70.5	9.99
	21	47.4	6.01	56.3	7.70	61.5	9.07	63.4	9.70	65.3	10.11	68.8	10.23	70.5	10.32
	23	47.4	6.42	56.3	8.23	61.5	9.71	63.4	10.31	65.3	10.77	68.8	10.88	70.5	10.97
	25	47.4	6.86	56.3	8.82	61.5	10.25	63.4	10.99	65.3	11.55	68.0	11.65	69.7	11.74
	27	47.4	7.33	56.3	9.43	61.5	10.90	63.4	11.74	65.3	12.42	67.0	12.50	68.6	12.60
	29	47.4	7.82	56.3	10.06	61.5	11.47	63.4	12.56	64.2	13.23	65.9	13.43	67.8	13.54
	31	47.4	8.33	56.3	10.75	61.5	12.07	62.6	13.46	63.4	14.20	65.1	14.45	66.7	14.56
	33	47.4	8.87	56.3	11.46	60.7	12.77	61.5	14.61	62.4	15.24	64.0	15.42	65.7	15.54
	35	47.4	9.43	56.3	12.21	59.7	13.51	60.5	16.09	61.5	16.17	63.2	16.22	64.9	16.35
	37	47.4	10.14	56.3	12.89	58.8	14.40	59.7	15.75	60.5	15.83	62.2	15.88	63.8	16.01
	39	47.4	10.92	56.1	13.62	57.8	15.28	58.6	15.43	59.4	15.51	61.3	15.55	63.0	15.68
	41	46.1	11.70	53.7	14.36	55.5	14.98	56.2	15.11	57.1	15.18	58.7	15.23	60.4	15.35
	43	45.0	12.48	51.4	14.15	53.2	14.64	54.0	14.78	54.8	14.86	56.4	14.90	58.0	15.02
46	42.2	13.42	46.9	13.81	48.6	14.18	49.3	14.30	50.0	14.37	51.5	14.41	53.1	14.53	
48	37.3	13.15	40.7	13.57	42.2	13.90	42.9	13.99	43.5	14.03	44.9	14.09	46.2	14.15	
110	10	43.3	4.42	51.7	5.39	57.7	6.40	59.4	6.93	63.1	7.45	64.6	7.66	68.9	7.79
	12	43.3	4.56	51.7	5.57	57.7	6.66	59.4	7.12	63.1	7.73	64.6	7.98	68.9	8.17
	14	43.3	4.70	51.7	5.82	57.7	6.97	59.4	7.47	63.1	8.12	64.6	8.35	68.9	8.53
	16	43.3	4.87	51.7	6.03	57.7	7.25	59.4	7.80	63.1	8.50	64.6	8.73	68.9	8.88
	18	43.3	5.05	51.7	6.28	57.7	7.67	59.4	8.21	63.1	8.96	64.6	9.14	68.9	9.31
	20	43.3	5.23	51.7	6.60	57.7	8.13	59.4	8.59	63.1	9.40	64.6	9.63	68.9	9.78
	21	43.3	5.34	51.7	6.79	57.7	8.34	59.4	8.82	63.1	9.66	64.6	9.90	68.9	10.06
	23	43.3	5.69	51.7	7.28	57.7	8.81	59.4	9.31	63.1	10.21	64.6	10.42	68.9	10.60
	25	43.3	6.08	51.7	7.77	57.7	9.31	59.4	9.85	63.1	10.78	64.6	10.94	68.1	11.16
	27	43.3	6.50	51.7	8.31	57.7	9.83	59.4	10.42	63.1	11.26	64.6	11.52	67.1	11.71
	29	43.3	6.94	51.7	8.87	57.7	10.39	59.4	11.04	63.1	11.90	64.6	12.11	66.2	12.29
	31	43.3	7.38	51.7	9.45	57.7	10.98	59.4	11.69	62.1	12.50	63.7	12.75	65.2	12.88
	33	43.3	7.87	51.7	10.06	57.7	11.60	59.4	12.39	61.2	13.20	62.7	13.42	64.4	13.50
	35	43.3	8.35	51.7	10.75	57.7	12.25	59.4	13.13	60.2	13.94	61.7	14.06	63.3	14.13
	37	43.3	8.85	51.7	11.41	57.7	12.94	58.5	13.91	59.2	14.70	60.8	14.75	62.3	14.79
	39	43.3	9.55	51.7	12.12	56.7	13.65	57.5	14.88	58.3	15.43	59.8	15.45	61.5	15.47
	41	42.2	10.24	50.3	12.84	54.2	14.39	55.1	16.09	55.8	16.09	57.4	16.22	58.9	16.35
	43	41.2	10.75	49.1	13.37	52.0	15.26	52.8	15.44	53.5	15.40	55.1	15.49	56.5	15.53
46	38.6	10.49	46.0	12.91	47.4	14.49	48.2	14.49	48.9	14.61	50.4	14.69	51.7	14.73	
48	34.1	10.19	40.0	12.44	41.2	13.78	41.9	13.88	42.5	13.94	43.8	13.98	45.0	14.04	

# 7. Capacity Tables

Cooling Capacity (20HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	37.8	3.98	45.0	4.84	52.4	5.74	56.0	6.20	59.6	6.66	66.1	7.42	67.5	7.48
	12	37.8	4.11	45.0	5.03	52.4	5.93	56.0	6.37	59.6	6.87	66.1	7.81	67.5	7.89
	14	37.8	4.24	45.0	5.24	52.4	6.18	56.0	6.64	59.6	7.17	66.1	8.25	67.5	8.33
	16	37.8	4.36	45.0	5.41	52.4	6.45	56.0	6.96	59.6	7.56	66.1	8.65	67.5	8.77
	18	37.8	4.49	45.0	5.61	52.4	6.70	56.0	7.30	59.6	8.01	66.1	9.14	67.5	9.21
	20	37.8	4.65	45.0	5.82	52.4	7.08	56.0	7.82	59.6	8.57	66.1	9.58	67.5	9.65
	21	37.8	4.75	45.0	5.96	52.4	7.33	56.0	8.09	59.6	8.89	66.1	9.80	67.5	9.87
	23	37.8	5.03	45.0	6.38	52.4	7.87	56.0	8.67	59.6	9.53	66.1	10.26	67.5	10.34
	25	37.8	5.35	45.0	6.79	52.4	8.40	56.0	9.28	59.6	10.19	66.1	10.69	67.0	10.78
	27	37.8	5.72	45.0	7.26	52.4	8.99	56.0	9.92	59.6	10.83	64.8	11.20	66.2	11.29
	29	37.8	6.08	45.0	7.74	52.4	9.60	56.0	10.60	59.6	11.46	63.6	11.65	65.2	11.74
	31	37.8	6.50	45.0	8.26	52.4	10.24	56.0	11.31	59.6	12.04	62.6	12.10	64.2	12.20
	33	37.8	6.89	45.0	8.79	52.4	10.92	56.0	12.07	59.6	12.50	61.6	12.55	63.2	12.65
	35	37.8	7.33	45.0	9.36	52.4	11.63	56.0	12.87	58.7	12.95	60.5	13.00	62.0	13.11
	37	37.8	7.85	45.0	10.04	52.4	12.32	56.0	13.49	57.7	13.55	59.4	13.61	60.8	13.73
	39	37.8	8.41	45.0	10.78	52.4	13.05	56.0	14.15	56.8	14.21	58.4	14.26	59.8	14.39
	41	37.2	8.98	44.3	11.52	51.6	13.79	53.7	14.81	54.9	14.86	56.2	14.92	58.0	15.06
	43	35.9	9.50	42.8	12.22	49.8	14.45	51.5	15.37	52.1	15.43	53.7	15.48	55.1	15.62
46	33.7	10.22	40.1	13.17	46.7	15.32	47.0	16.09	47.5	16.14	49.1	16.19	50.4	16.34	
48	29.8	8.83	35.5	11.40	40.3	13.10	40.9	13.65	41.3	13.70	42.7	13.73	43.8	13.84	
90	10	34.0	3.51	40.6	4.22	47.2	4.98	50.4	5.36	53.6	5.77	60.2	6.46	66.8	7.19
	12	34.0	3.55	40.6	4.29	47.2	5.06	50.4	5.47	53.6	5.90	60.2	6.59	66.8	7.31
	14	34.0	3.62	40.6	4.37	47.2	5.17	50.4	5.58	53.6	6.01	60.2	6.72	66.8	7.46
	16	34.0	3.68	40.6	4.46	47.2	5.28	50.4	5.69	53.6	6.12	60.2	6.85	66.8	7.59
	18	34.0	3.75	40.6	4.55	47.2	5.36	50.4	5.82	53.6	6.25	60.2	7.00	66.8	7.97
	20	34.0	3.81	40.6	4.63	47.2	5.47	50.4	5.92	53.6	6.48	60.2	7.49	66.8	8.35
	21	34.0	3.86	40.6	4.67	47.2	5.58	50.4	6.12	53.6	6.72	60.2	7.61	66.8	8.54
	23	34.0	3.94	40.6	4.87	47.2	5.97	50.4	6.57	53.6	7.20	60.2	8.07	65.9	8.95
	25	34.0	4.14	40.6	5.19	47.2	6.38	50.4	7.02	53.6	7.69	60.2	8.63	64.9	9.33
	27	34.0	4.42	40.6	5.54	47.2	6.81	50.4	7.50	53.6	8.23	60.2	9.17	64.0	9.77
	29	34.0	4.67	40.6	5.90	47.2	7.28	50.4	8.01	53.6	8.79	60.2	9.72	63.0	10.16
	31	34.0	4.98	40.6	6.29	47.2	7.76	50.4	8.53	53.6	9.37	60.2	10.20	62.1	10.55
	33	34.0	5.30	40.6	6.70	47.2	8.27	50.4	9.09	53.6	9.94	60.2	10.69	61.1	10.95
	35	34.0	5.62	40.6	7.11	47.2	8.79	50.4	9.69	53.6	10.54	59.2	11.31	60.2	11.57
	37	34.0	5.97	40.6	7.56	47.2	9.37	50.4	10.30	53.6	11.13	58.2	11.82	59.2	12.09
	39	34.0	6.32	40.6	8.04	47.2	9.92	50.4	10.96	53.6	11.70	57.3	12.46	58.3	12.61
	41	33.1	7.07	39.6	8.92	46.0	10.89	49.1	11.99	52.2	12.63	54.9	13.13	55.8	13.43
	43	32.3	7.63	38.6	9.64	44.9	11.89	47.9	12.91	50.9	13.54	52.6	14.06	53.6	14.23
46	30.3	8.59	36.2	10.97	42.0	13.55	44.9	14.63	46.3	15.05	48.0	15.44	48.9	15.46	
48	26.8	7.51	32.0	9.60	37.2	11.86	39.7	12.77	40.2	12.97	41.7	13.29	42.5	13.31	
80	10	30.2	2.98	36.0	3.58	41.8	4.20	44.8	4.53	47.8	4.86	53.6	5.54	59.4	6.02
	12	30.2	3.04	36.0	3.62	41.8	4.28	44.8	4.61	47.8	4.94	53.6	5.65	59.4	6.14
	14	30.2	3.08	36.0	3.70	41.8	4.34	44.8	4.70	47.8	5.03	53.6	5.75	59.4	6.26
	16	30.2	3.12	36.0	3.76	41.8	4.43	44.8	4.78	47.8	5.13	53.6	5.87	59.4	6.38
	18	30.2	3.19	36.0	3.83	41.8	4.51	44.8	4.86	47.8	5.23	53.6	5.98	59.4	6.52
	20	30.2	3.25	36.0	3.91	41.8	4.61	44.8	4.96	47.8	5.34	53.6	6.21	59.4	6.90
	21	30.2	3.27	36.0	3.95	41.8	4.65	44.8	5.03	47.8	5.46	53.6	6.40	59.4	7.09
	23	30.2	3.33	36.0	4.01	41.8	4.86	44.8	5.34	47.8	5.83	53.6	6.76	59.4	7.44
	25	30.2	3.45	36.0	4.28	41.8	5.21	44.8	5.71	47.8	6.25	53.6	7.23	59.4	7.95
	27	30.2	3.66	36.0	4.55	41.8	5.56	44.8	6.10	47.8	6.66	53.6	7.69	59.4	8.37
	29	30.2	3.89	36.0	4.86	41.8	5.92	44.8	6.50	47.8	7.12	53.6	8.24	59.4	8.96
	31	30.2	4.14	36.0	5.15	41.8	6.31	44.8	6.93	47.8	7.57	53.6	8.74	59.4	9.40
	33	30.2	4.39	36.0	5.50	41.8	6.72	44.8	7.39	47.8	8.07	53.6	9.21	59.4	9.86
	35	30.2	4.65	36.0	5.83	41.8	7.16	44.8	7.86	47.8	8.61	53.6	9.76	58.8	10.22
	37	30.2	4.92	36.0	6.20	41.8	7.59	44.8	8.36	47.8	9.14	53.6	10.30	57.8	10.68
	39	30.2	5.20	36.0	6.56	41.8	8.12	44.8	8.98	47.8	9.83	53.6	10.89	56.9	11.27
	41	29.4	5.76	35.1	7.27	40.7	8.91	43.7	9.85	46.6	10.80	52.2	12.12	54.5	12.49
	43	28.7	6.34	34.2	7.93	39.7	9.73	42.6	10.73	45.4	11.80	50.9	12.96	52.2	13.37
46	26.9	7.05	32.1	8.93	37.2	10.96	39.9	11.95	42.6	13.31	46.6	14.15	47.7	14.38	
48	23.8	6.16	28.4	7.81	32.9	9.59	35.3	10.44	37.7	11.65	40.5	12.25	41.4	12.38	

# 7. Capacity Tables

Cooling Capacity (20HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	26.4	2.65	31.6	3.15	36.6	3.65	39.2	3.94	41.8	4.21	46.8	4.80	52.0	5.37
	12	26.4	2.69	31.6	3.19	36.6	3.73	39.2	4.00	41.8	4.30	46.8	4.88	52.0	5.47
	14	26.4	2.73	31.6	3.23	36.6	3.80	39.2	4.07	41.8	4.36	46.8	4.98	52.0	5.57
	16	26.4	2.77	31.6	3.30	36.6	3.86	39.2	4.15	41.8	4.44	46.8	5.07	52.0	5.69
	18	26.4	2.82	31.6	3.36	36.6	3.94	39.2	4.23	41.8	4.53	46.8	5.15	52.0	5.79
	20	26.4	2.86	31.6	3.42	36.6	4.00	39.2	4.32	41.8	4.63	46.8	5.28	52.0	6.01
	21	26.4	2.90	31.6	3.44	36.6	4.05	39.2	4.36	41.8	4.67	46.8	5.36	52.0	6.13
	23	26.4	2.94	31.6	3.52	36.6	4.13	39.2	4.50	41.8	4.90	46.8	5.74	52.0	6.48
	25	26.4	2.98	31.6	3.65	36.6	4.40	39.2	4.82	41.8	5.23	46.8	6.13	52.0	6.79
	27	26.4	3.15	31.6	3.90	36.6	4.69	39.2	5.11	41.8	5.59	46.8	6.55	52.0	7.22
	29	26.4	3.36	31.6	4.13	36.6	4.98	39.2	5.44	41.8	5.94	46.8	6.99	52.0	7.73
	31	26.4	3.57	31.6	4.40	36.6	5.32	39.2	5.82	41.8	6.34	46.8	7.45	52.0	8.20
	33	26.4	3.77	31.6	4.65	36.6	5.65	39.2	6.17	41.8	6.74	46.8	7.93	52.0	8.73
	35	26.4	3.98	31.6	4.97	36.6	6.01	39.2	6.57	41.8	7.17	46.8	8.45	52.0	9.26
	37	26.4	4.23	31.6	5.26	36.6	6.38	39.2	6.99	41.8	7.63	46.8	8.99	52.0	9.77
	39	26.4	4.50	31.6	5.61	36.6	6.82	39.2	7.52	41.8	8.25	46.8	9.62	52.0	10.54
	41	25.7	4.97	30.8	6.14	35.7	7.48	38.2	8.24	40.7	8.96	45.6	10.57	50.7	11.37
	43	25.1	5.41	30.0	6.69	34.8	8.17	37.3	8.99	39.7	9.79	44.5	11.54	49.4	12.29
46	23.5	6.01	28.1	7.53	32.6	9.20	34.9	10.01	37.2	11.03	41.7	13.02	46.3	13.70	
48	20.8	5.25	24.9	6.57	28.8	8.04	30.9	8.75	32.9	9.65	36.9	11.39	41.0	11.86	
60	10	22.6	2.31	27.0	2.71	31.4	3.15	33.6	3.38	35.8	3.60	40.2	4.08	44.6	4.56
	12	22.6	2.35	27.0	2.75	31.4	3.20	33.6	3.43	35.8	3.66	40.2	4.14	44.6	4.65
	14	22.6	2.38	27.0	2.80	31.4	3.26	33.6	3.49	35.8	3.72	40.2	4.23	44.6	4.73
	16	22.6	2.42	27.0	2.86	31.4	3.30	33.6	3.55	35.8	3.81	40.2	4.31	44.6	4.81
	18	22.6	2.46	27.0	2.90	31.4	3.36	33.6	3.62	35.8	3.87	40.2	4.37	44.6	4.92
	20	22.6	2.50	27.0	2.94	31.4	3.43	33.6	3.68	35.8	3.93	40.2	4.46	44.6	5.02
	21	22.6	2.52	27.0	2.96	31.4	3.47	33.6	3.72	35.8	3.97	40.2	4.52	44.6	5.07
	23	22.6	2.56	27.0	3.03	31.4	3.51	33.6	3.78	35.8	4.06	40.2	4.69	44.6	5.38
	25	22.6	2.61	27.0	3.09	31.4	3.66	33.6	3.97	35.8	4.31	40.2	5.00	44.6	5.76
	27	22.6	2.69	27.0	3.26	31.4	3.89	33.6	4.23	35.8	4.58	40.2	5.32	44.6	6.14
	29	22.6	2.86	27.0	3.47	31.4	4.14	33.6	4.50	35.8	4.88	40.2	5.68	44.6	6.56
	31	22.6	3.03	27.0	3.68	31.4	4.39	33.6	4.79	35.8	5.19	40.2	6.05	44.6	6.98
	33	22.6	3.20	27.0	3.89	31.4	4.67	33.6	5.09	35.8	5.53	40.2	6.43	44.6	7.44
	35	22.6	3.38	27.0	4.14	31.4	4.96	33.6	5.40	35.8	5.87	40.2	6.85	44.6	7.91
	37	22.6	3.57	27.0	4.37	31.4	5.26	33.6	5.74	35.8	6.22	40.2	7.27	44.6	8.41
	39	22.6	3.80	27.0	4.65	31.4	5.67	33.6	6.16	35.8	6.70	40.2	7.80	44.6	9.01
	41	22.0	4.12	26.3	5.09	30.6	6.16	32.7	6.73	34.9	7.27	39.2	8.56	43.5	9.79
	43	21.5	4.48	25.7	5.54	29.8	6.72	31.9	7.33	34.0	7.93	38.2	9.34	42.4	10.70
46	20.1	5.02	24.0	6.23	28.0	7.55	29.9	8.24	31.9	8.92	35.8	10.53	39.7	12.19	
48	17.8	4.37	21.3	5.43	24.7	6.60	26.5	7.20	28.2	7.80	31.7	9.21	35.1	10.66	
50	10	18.9	2.01	22.6	2.33	26.2	2.65	28.0	2.84	29.8	3.01	33.4	3.39	37.2	3.77
	12	18.9	2.03	22.6	2.35	26.2	2.69	28.0	2.88	29.8	3.07	33.4	3.45	37.2	3.84
	14	18.9	2.06	22.6	2.39	26.2	2.73	28.0	2.92	29.8	3.12	33.4	3.50	37.2	3.90
	16	18.9	2.10	22.6	2.44	26.2	2.78	28.0	2.99	29.8	3.16	33.4	3.56	37.2	3.96
	18	18.9	2.12	22.6	2.46	26.2	2.82	28.0	3.03	29.8	3.22	33.4	3.62	37.2	4.05
	20	18.9	2.14	22.6	2.50	26.2	2.88	28.0	3.07	29.8	3.28	33.4	3.69	37.2	4.13
	21	18.9	2.16	22.6	2.52	26.2	2.90	28.0	3.12	29.8	3.31	33.4	3.73	37.2	4.17
	23	18.9	2.20	22.6	2.56	26.2	2.95	28.0	3.16	29.8	3.37	33.4	3.79	37.2	4.26
	25	18.9	2.23	22.6	2.61	26.2	3.01	28.0	3.22	29.8	3.48	33.4	3.98	37.2	4.56
	27	18.9	2.27	22.6	2.69	26.2	3.18	28.0	3.43	29.8	3.69	33.4	4.26	37.2	4.85
	29	18.9	2.39	22.6	2.86	26.2	3.37	28.0	3.65	29.8	3.92	33.4	4.51	37.2	5.15
	31	18.9	2.52	22.6	3.03	26.2	3.58	28.0	3.86	29.8	4.17	33.4	4.81	37.2	5.49
	33	18.9	2.67	22.6	3.20	26.2	3.79	28.0	4.09	29.8	4.43	33.4	5.11	37.2	5.85
	35	18.9	2.82	22.6	3.39	26.2	4.01	28.0	4.34	29.8	4.68	33.4	5.40	37.2	6.21
	37	18.9	2.99	22.6	3.58	26.2	4.24	28.0	4.60	29.8	4.96	33.4	5.76	37.2	6.59
	39	18.9	3.19	22.6	3.84	26.2	4.54	28.0	4.95	29.8	5.32	33.4	6.14	37.2	7.12
	41	18.4	3.45	22.0	4.16	25.5	4.97	27.3	5.36	29.0	5.77	32.5	6.73	36.2	7.73
	43	18.0	3.75	21.5	4.52	24.9	5.40	26.6	5.84	28.3	6.28	31.7	7.34	35.4	8.43
46	16.8	4.20	20.1	5.07	23.3	6.06	24.9	6.56	26.5	7.05	29.7	8.26	33.1	9.49	
48	14.9	3.66	17.8	4.42	20.6	5.29	22.1	5.72	23.5	6.15	26.3	7.22	29.3	8.30	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN220BTE5

Cooling Capacity (22HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	56.3	6.52	67.1	7.97	71.9	9.24	73.9	9.43	76.0	9.50	79.7	9.58	81.7	9.62
	12	56.3	6.68	67.1	8.25	71.9	9.62	73.9	9.68	76.0	9.76	79.7	9.84	81.7	9.92
	14	56.3	6.90	67.1	8.55	71.9	9.98	73.9	10.05	76.0	10.13	79.7	10.21	81.7	10.30
	16	56.3	7.15	67.1	8.85	71.9	10.43	73.9	10.52	76.0	10.61	79.7	10.70	81.7	10.79
	18	56.3	7.45	67.1	9.36	71.9	10.91	73.9	11.14	76.0	11.23	79.7	11.34	81.7	11.42
	20	56.3	7.78	67.1	9.97	71.9	11.44	73.9	12.26	76.0	12.35	78.5	12.48	80.6	12.56
	21	56.3	7.99	67.1	10.32	71.9	11.68	73.9	12.97	76.0	13.07	78.1	13.20	80.1	13.29
	23	56.3	8.57	67.1	10.86	71.9	12.29	73.9	14.31	75.0	14.43	76.9	14.57	79.0	14.67
	25	56.3	9.15	67.1	11.48	71.9	13.13	73.1	15.87	73.9	16.00	76.0	16.16	78.1	16.27
	27	56.3	9.79	67.1	12.27	71.0	14.00	71.9	17.47	73.1	17.61	75.0	17.79	76.9	17.91
	29	56.3	10.44	67.1	13.12	69.8	15.06	70.8	19.20	71.9	19.32	73.9	19.49	76.0	19.57
	31	56.3	11.14	66.9	13.82	68.7	16.02	69.8	19.12	70.8	19.24	72.8	19.41	74.9	19.49
	33	56.3	11.86	65.7	14.64	67.8	17.18	68.9	18.95	69.8	19.06	71.9	19.23	73.7	19.31
	35	56.3	12.65	64.5	15.33	66.6	18.61	67.8	18.70	68.9	18.81	70.7	18.98	72.8	19.06
	37	56.3	13.49	63.6	16.09	65.7	18.36	66.6	18.45	67.8	18.56	69.6	18.73	71.7	18.80
	39	56.3	14.37	62.5	16.94	64.5	18.12	65.7	18.21	66.6	18.32	68.7	18.48	70.7	18.55
	41	54.9	15.24	59.9	17.79	61.9	17.87	62.9	17.96	64.1	18.07	66.0	18.23	67.8	18.30
	43	53.5	16.07	57.4	17.54	59.4	17.62	60.3	17.71	61.5	17.82	63.4	17.98	65.1	18.05
46	50.2	17.20	52.4	17.17	54.3	17.26	55.1	17.34	56.3	17.45	58.0	17.60	59.6	17.67	
48	44.4	16.72	45.5	16.77	47.2	16.81	47.9	16.86	49.0	17.00	50.5	17.11	51.9	17.18	
120	10	52.1	5.86	61.9	7.19	67.7	8.54	69.7	9.23	71.8	9.38	75.7	9.42	77.6	9.49
	12	52.1	6.02	61.9	7.43	67.7	8.89	69.7	9.43	71.8	9.72	75.7	9.84	77.6	9.92
	14	52.1	6.23	61.9	7.68	67.7	9.24	69.7	9.78	71.8	10.08	75.7	10.23	77.6	10.31
	16	52.1	6.45	61.9	8.00	67.7	9.60	69.7	10.15	71.8	10.55	75.7	10.68	77.6	10.76
	18	52.1	6.71	61.9	8.36	67.7	9.99	69.7	10.68	71.8	11.09	75.7	11.21	77.6	11.30
	20	52.1	6.96	61.9	8.86	67.7	10.52	69.7	11.24	71.8	11.68	75.7	11.83	77.6	11.92
	21	52.1	7.17	61.9	9.18	67.7	10.82	69.7	11.57	71.8	12.06	75.7	12.21	77.6	12.31
	23	52.1	7.67	61.9	9.82	67.7	11.59	69.7	12.30	71.8	12.86	75.7	12.99	77.6	13.09
	25	52.1	8.19	61.9	10.52	67.7	12.23	69.7	13.11	71.8	13.79	74.8	13.90	76.6	14.01
	27	52.1	8.75	61.9	11.25	67.7	13.01	69.7	14.01	71.8	14.82	73.6	14.92	75.5	15.04
	29	52.1	9.33	61.9	12.01	67.7	13.69	69.7	14.99	70.6	15.79	72.5	16.03	74.6	16.16
	31	52.1	9.94	61.9	12.83	67.7	14.40	68.8	16.06	69.7	16.94	71.6	17.24	73.4	17.38
	33	52.1	10.58	61.9	13.67	66.8	15.23	67.7	17.43	68.6	18.19	70.4	18.39	72.3	18.54
	35	52.1	11.25	61.9	14.58	65.6	16.12	66.5	19.20	67.7	19.30	69.5	19.36	71.3	19.51
	37	52.1	12.10	61.9	15.38	64.7	17.19	65.6	18.80	66.5	18.89	68.4	18.95	70.2	19.10
	39	52.1	13.03	61.7	16.26	63.6	18.23	64.5	18.41	65.4	18.51	67.5	18.56	69.3	18.71
	41	50.8	13.96	59.0	17.13	61.0	17.87	61.9	18.03	62.8	18.12	64.6	18.17	66.4	18.32
	43	49.5	14.90	56.5	16.89	58.5	17.47	59.3	17.64	60.2	17.73	62.0	17.78	63.8	17.92
46	46.4	16.02	51.6	16.48	53.4	16.92	54.2	17.06	55.0	17.15	56.7	17.20	58.4	17.33	
48	41.0	15.69	44.8	16.19	46.4	16.59	47.1	16.69	47.9	16.75	49.3	16.81	50.8	16.88	
110	10	47.7	5.27	56.8	6.43	63.5	7.63	65.3	8.26	69.4	8.89	71.0	9.14	75.8	9.29
	12	47.7	5.44	56.8	6.64	63.5	7.95	65.3	8.50	69.4	9.23	71.0	9.52	75.8	9.75
	14	47.7	5.61	56.8	6.94	63.5	8.31	65.3	8.92	69.4	9.69	71.0	9.97	75.8	10.18
	16	47.7	5.81	56.8	7.20	63.5	8.66	65.3	9.31	69.4	10.14	71.0	10.42	75.8	10.60
	18	47.7	6.02	56.8	7.50	63.5	9.15	65.3	9.80	69.4	10.70	71.0	10.91	75.8	11.11
	20	47.7	6.24	56.8	7.87	63.5	9.71	65.3	10.25	69.4	11.21	71.0	11.49	75.8	11.68
	21	47.7	6.38	56.8	8.10	63.5	9.96	65.3	10.53	69.4	11.53	71.0	11.82	75.8	12.00
	23	47.7	6.79	56.8	8.69	63.5	10.51	65.3	11.11	69.4	12.18	71.0	12.44	75.8	12.64
	25	47.7	7.26	56.8	9.27	63.5	11.11	65.3	11.75	69.4	12.87	71.0	13.05	74.9	13.32
	27	47.7	7.75	56.8	9.91	63.5	11.74	65.3	12.43	69.4	13.44	71.0	13.74	73.8	13.98
	29	47.7	8.28	56.8	10.58	63.5	12.40	65.3	13.17	69.4	14.20	71.0	14.45	72.9	14.66
	31	47.7	8.80	56.8	11.28	63.5	13.11	65.3	13.95	68.3	14.92	70.1	15.21	71.7	15.37
	33	47.7	9.39	56.8	12.01	63.5	13.85	65.3	14.78	67.3	15.76	69.0	16.02	70.8	16.11
	35	47.7	9.97	56.8	12.83	63.5	14.62	65.3	15.67	66.2	16.63	67.8	16.78	69.7	16.87
	37	47.7	10.57	56.8	13.61	63.5	15.44	64.4	16.60	65.1	17.54	66.9	17.60	68.5	17.65
	39	47.7	11.39	56.8	14.47	62.3	16.29	63.2	17.75	64.2	18.41	65.8	18.44	67.6	18.46
	41	46.4	12.22	55.4	15.32	59.6	17.18	60.6	19.20	61.4	19.20	63.2	19.36	64.7	19.51
	43	45.3	12.83	54.0	15.96	57.2	18.22	58.1	18.42	58.9	18.38	60.6	18.48	62.1	18.54
46	42.4	12.52	50.6	15.41	52.2	17.29	53.1	17.29	53.8	17.44	55.4	17.53	56.8	17.58	
48	37.5	12.16	44.0	14.84	45.3	16.45	46.1	16.56	46.7	16.64	48.2	16.68	49.5	16.75	



# 7. Capacity Tables

Cooling Capacity (22HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	41.6	4.75	49.5	5.77	57.6	6.85	61.6	7.40	65.6	7.95	72.7	8.85	74.3	8.92
	12	41.6	4.90	49.5	6.01	57.6	7.08	61.6	7.60	65.6	8.20	72.7	9.32	74.3	9.42
	14	41.6	5.05	49.5	6.25	57.6	7.38	61.6	7.93	65.6	8.56	72.7	9.85	74.3	9.94
	16	41.6	5.21	49.5	6.45	57.6	7.69	61.6	8.30	65.6	9.02	72.7	10.32	74.3	10.47
	18	41.6	5.36	49.5	6.69	57.6	7.99	61.6	8.71	65.6	9.56	72.7	10.91	74.3	10.99
	20	41.6	5.55	49.5	6.95	57.6	8.45	61.6	9.33	65.6	10.23	72.7	11.43	74.3	11.52
	21	41.6	5.67	49.5	7.11	57.6	8.75	61.6	9.65	65.6	10.61	72.7	11.69	74.3	11.78
	23	41.6	6.01	49.5	7.61	57.6	9.39	61.6	10.35	65.6	11.37	72.7	12.24	74.3	12.34
	25	41.6	6.38	49.5	8.10	57.6	10.03	61.6	11.08	65.6	12.16	72.7	12.76	73.7	12.86
	27	41.6	6.82	49.5	8.66	57.6	10.73	61.6	11.84	65.6	12.92	71.3	13.36	72.8	13.47
	29	41.6	7.26	49.5	9.24	57.6	11.46	61.6	12.65	65.6	13.68	69.9	13.90	71.7	14.01
	31	41.6	7.75	49.5	9.85	57.6	12.21	61.6	13.50	65.6	14.37	68.9	14.44	70.6	14.55
	33	41.6	8.22	49.5	10.49	57.6	13.03	61.6	14.40	65.6	14.91	67.8	14.98	69.5	15.10
	35	41.6	8.75	49.5	11.16	57.6	13.88	61.6	15.36	64.6	15.45	66.6	15.51	68.3	15.64
	37	41.6	9.37	49.5	11.98	57.6	14.70	61.6	16.09	63.5	16.17	65.3	16.24	66.9	16.39
	39	41.6	10.04	49.5	12.86	57.6	15.58	61.6	16.88	62.4	16.96	64.3	17.02	65.8	17.18
	41	40.9	10.72	48.7	13.75	56.7	16.45	59.1	17.67	60.4	17.74	61.8	17.80	63.8	17.97
	43	39.5	11.34	47.0	14.58	54.8	17.24	56.7	18.34	57.3	18.41	59.1	18.47	60.6	18.64
46	37.0	12.20	44.1	15.72	51.3	18.28	51.7	19.20	52.3	19.26	54.0	19.32	55.4	19.50	
48	32.8	10.53	39.0	13.60	44.3	15.63	45.0	16.29	45.4	16.35	46.9	16.38	48.2	16.51	
90	10	37.4	4.13	44.7	4.96	51.9	5.85	55.4	6.30	59.0	6.79	66.2	7.60	73.5	8.45
	12	37.4	4.18	44.7	5.04	51.9	5.95	55.4	6.43	59.0	6.94	66.2	7.75	73.5	8.60
	14	37.4	4.25	44.7	5.14	51.9	6.08	55.4	6.56	59.0	7.06	66.2	7.90	73.5	8.77
	16	37.4	4.33	44.7	5.24	51.9	6.20	55.4	6.68	59.0	7.19	66.2	8.05	73.5	8.92
	18	37.4	4.41	44.7	5.34	51.9	6.30	55.4	6.84	59.0	7.34	66.2	8.22	73.5	9.37
	20	37.4	4.48	44.7	5.44	51.9	6.43	55.4	6.96	59.0	7.62	66.2	8.80	73.5	9.82
	21	37.4	4.53	44.7	5.49	51.9	6.56	55.4	7.19	59.0	7.90	66.2	8.94	73.5	10.04
	23	37.4	4.63	44.7	5.72	51.9	7.01	55.4	7.72	59.0	8.46	66.2	9.48	72.5	10.52
	25	37.4	4.86	44.7	6.10	51.9	7.50	55.4	8.25	59.0	9.04	66.2	10.14	71.4	10.96
	27	37.4	5.19	44.7	6.51	51.9	8.00	55.4	8.81	59.0	9.67	66.2	10.78	70.4	11.48
	29	37.4	5.49	44.7	6.94	51.9	8.56	55.4	9.42	59.0	10.33	66.2	11.42	69.3	11.94
	31	37.4	5.85	44.7	7.39	51.9	9.12	55.4	10.03	59.0	11.01	66.2	11.99	68.3	12.40
	33	37.4	6.23	44.7	7.87	51.9	9.72	55.4	10.69	59.0	11.68	66.2	12.57	67.2	12.87
	35	37.4	6.61	44.7	8.36	51.9	10.33	55.4	11.39	59.0	12.39	65.1	13.29	66.2	13.60
	37	37.4	7.01	44.7	8.89	51.9	11.02	55.4	12.10	59.0	13.08	64.0	13.89	65.1	14.20
	39	37.4	7.43	44.7	9.45	51.9	11.66	55.4	12.88	59.0	13.75	63.0	14.65	64.1	14.82
	41	36.4	8.31	43.5	10.48	50.6	12.80	54.0	14.09	57.5	14.85	60.4	15.44	61.4	15.79
	43	35.5	8.97	42.4	11.33	49.3	13.98	52.7	15.17	56.0	15.92	57.9	16.53	58.9	16.73
46	33.3	10.10	39.8	12.90	46.2	15.93	49.4	17.20	50.9	17.69	52.8	18.14	53.8	18.17	
48	29.5	8.82	35.2	11.28	40.9	13.93	43.7	15.00	44.2	15.24	45.9	15.62	46.8	15.64	
80	10	33.2	3.44	39.6	4.13	46.0	4.85	49.3	5.23	52.6	5.61	59.0	6.40	65.3	6.95
	12	33.2	3.51	39.6	4.18	46.0	4.95	49.3	5.33	52.6	5.71	59.0	6.52	65.3	7.09
	14	33.2	3.56	39.6	4.28	46.0	5.02	49.3	5.42	52.6	5.81	59.0	6.64	65.3	7.23
	16	33.2	3.61	39.6	4.35	46.0	5.11	49.3	5.52	52.6	5.92	59.0	6.78	65.3	7.36
	18	33.2	3.68	39.6	4.42	46.0	5.21	49.3	5.61	52.6	6.04	59.0	6.90	65.3	7.52
	20	33.2	3.75	39.6	4.52	46.0	5.33	49.3	5.73	52.6	6.16	59.0	7.17	65.3	7.97
	21	33.2	3.77	39.6	4.56	46.0	5.38	49.3	5.81	52.6	6.31	59.0	7.39	65.3	8.18
	23	33.2	3.85	39.6	4.63	46.0	5.61	49.3	6.16	52.6	6.74	59.0	7.81	65.3	8.59
	25	33.2	3.99	39.6	4.95	46.0	6.02	49.3	6.59	52.6	7.21	59.0	8.35	65.3	9.18
	27	33.2	4.23	39.6	5.26	46.0	6.43	49.3	7.05	52.6	7.69	59.0	8.88	65.3	9.66
	29	33.2	4.49	39.6	5.61	46.0	6.83	49.3	7.50	52.6	8.22	59.0	9.51	65.3	10.34
	31	33.2	4.78	39.6	5.95	46.0	7.29	49.3	8.00	52.6	8.74	59.0	10.09	65.3	10.86
	33	33.2	5.06	39.6	6.35	46.0	7.76	49.3	8.53	52.6	9.32	59.0	10.63	65.3	11.39
	35	33.2	5.38	39.6	6.74	46.0	8.27	49.3	9.08	52.6	9.94	59.0	11.28	64.6	11.80
	37	33.2	5.69	39.6	7.16	46.0	8.77	49.3	9.65	52.6	10.56	59.0	11.90	63.6	12.34
	39	33.2	6.01	39.6	7.57	46.0	9.38	49.3	10.38	52.6	11.35	59.0	12.57	62.6	13.01
	41	32.4	6.65	38.6	8.39	44.8	10.29	48.0	11.37	51.2	12.47	57.5	13.99	59.9	14.42
	43	31.6	7.32	37.6	9.16	43.7	11.24	46.8	12.40	50.0	13.63	56.0	14.97	57.5	15.44
46	29.6	8.14	35.3	10.31	40.9	12.66	43.9	13.80	46.8	15.38	51.2	16.34	52.4	16.60	
48	26.2	7.11	31.2	9.02	36.2	11.07	38.8	12.05	41.4	13.46	44.5	14.15	45.6	14.29	

# 7. Capacity Tables

Cooling Capacity (22HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
70	10	29.0	3.01	34.8	3.57	40.3	4.14	43.1	4.47	46.0	4.78	51.5	5.44	57.2	6.09
	12	29.0	3.05	34.8	3.62	40.3	4.24	43.1	4.54	46.0	4.87	51.5	5.54	57.2	6.20
	14	29.0	3.10	34.8	3.67	40.3	4.31	43.1	4.61	46.0	4.95	51.5	5.66	57.2	6.32
	16	29.0	3.15	34.8	3.74	40.3	4.38	43.1	4.71	46.0	5.04	51.5	5.75	57.2	6.45
	18	29.0	3.19	34.8	3.81	40.3	4.47	43.1	4.80	46.0	5.14	51.5	5.85	57.2	6.57
	20	29.0	3.24	34.8	3.88	40.3	4.54	43.1	4.90	46.0	5.25	51.5	5.99	57.2	6.82
	21	29.0	3.29	34.8	3.90	40.3	4.59	43.1	4.95	46.0	5.30	51.5	6.08	57.2	6.96
	23	29.0	3.34	34.8	4.00	40.3	4.69	43.1	5.11	46.0	5.56	51.5	6.51	57.2	7.35
	25	29.0	3.38	34.8	4.14	40.3	4.99	43.1	5.47	46.0	5.94	51.5	6.96	57.2	7.71
	27	29.0	3.57	34.8	4.43	40.3	5.32	43.1	5.80	46.0	6.34	51.5	7.43	57.2	8.19
	29	29.0	3.81	34.8	4.69	40.3	5.66	43.1	6.18	46.0	6.74	51.5	7.93	57.2	8.77
	31	29.0	4.05	34.8	4.99	40.3	6.03	43.1	6.60	46.0	7.19	51.5	8.45	57.2	9.31
	33	29.0	4.28	34.8	5.28	40.3	6.41	43.1	7.00	46.0	7.64	51.5	8.99	57.2	9.91
	35	29.0	4.52	34.8	5.63	40.3	6.82	43.1	7.45	46.0	8.14	51.5	9.58	57.2	10.51
	37	29.0	4.80	34.8	5.97	40.3	7.24	43.1	7.93	46.0	8.66	51.5	10.20	57.2	11.09
	39	29.0	5.10	34.8	6.36	40.3	7.74	43.1	8.53	46.0	9.36	51.5	10.92	57.2	11.96
	41	28.3	5.64	33.9	6.97	39.2	8.49	42.0	9.36	44.8	10.17	50.2	11.99	55.7	12.90
	43	27.6	6.14	33.0	7.59	38.3	9.27	41.0	10.20	43.7	11.11	48.9	13.10	54.4	13.94
46	25.9	6.82	31.0	8.54	35.9	10.44	38.4	11.36	40.9	12.52	45.8	14.77	50.9	15.54	
48	22.9	5.95	27.4	7.46	31.7	9.12	34.0	9.93	36.2	10.95	40.6	12.93	45.1	13.45	
60	10	24.9	2.58	29.7	3.02	34.5	3.52	37.0	3.77	39.4	4.01	44.2	4.55	49.1	5.09
	12	24.9	2.63	29.7	3.07	34.5	3.56	37.0	3.82	39.4	4.08	44.2	4.62	49.1	5.18
	14	24.9	2.65	29.7	3.12	34.5	3.63	37.0	3.89	39.4	4.15	44.2	4.71	49.1	5.27
	16	24.9	2.70	29.7	3.19	34.5	3.68	37.0	3.96	39.4	4.24	44.2	4.81	49.1	5.37
	18	24.9	2.74	29.7	3.23	34.5	3.75	37.0	4.03	39.4	4.31	44.2	4.88	49.1	5.48
	20	24.9	2.79	29.7	3.28	34.5	3.82	37.0	4.10	39.4	4.38	44.2	4.97	49.1	5.60
	21	24.9	2.81	29.7	3.30	34.5	3.87	37.0	4.15	39.4	4.43	44.2	5.04	49.1	5.65
	23	24.9	2.86	29.7	3.38	34.5	3.91	37.0	4.22	39.4	4.52	44.2	5.23	49.1	6.00
	25	24.9	2.91	29.7	3.45	34.5	4.08	37.0	4.43	39.4	4.81	44.2	5.58	49.1	6.42
	27	24.9	3.00	29.7	3.63	34.5	4.34	37.0	4.71	39.4	5.11	44.2	5.93	49.1	6.84
	29	24.9	3.19	29.7	3.87	34.5	4.62	37.0	5.02	39.4	5.44	44.2	6.33	49.1	7.31
	31	24.9	3.38	29.7	4.10	34.5	4.90	37.0	5.34	39.4	5.79	44.2	6.75	49.1	7.78
	33	24.9	3.56	29.7	4.34	34.5	5.20	37.0	5.67	39.4	6.16	44.2	7.17	49.1	8.30
	35	24.9	3.77	29.7	4.62	34.5	5.53	37.0	6.02	39.4	6.54	44.2	7.64	49.1	8.81
	37	24.9	3.98	29.7	4.87	34.5	5.86	37.0	6.40	39.4	6.94	44.2	8.11	49.1	9.38
	39	24.9	4.24	29.7	5.19	34.5	6.32	37.0	6.87	39.4	7.47	44.2	8.70	49.1	10.05
	41	24.2	4.60	28.9	5.68	33.7	6.87	36.0	7.50	38.4	8.10	43.1	9.54	47.8	10.92
	43	23.6	4.99	28.2	6.18	32.8	7.49	35.1	8.17	37.4	8.84	42.0	10.42	46.6	11.93
46	22.1	5.59	26.5	6.94	30.8	8.42	32.9	9.19	35.1	9.94	39.4	11.74	43.7	13.59	
48	19.6	4.87	23.4	6.06	27.2	7.36	29.1	8.02	31.0	8.69	34.8	10.27	38.7	11.89	
50	10	20.8	2.21	24.9	2.55	28.8	2.90	30.8	3.11	32.8	3.30	36.7	3.71	40.9	4.13
	12	20.8	2.23	24.9	2.58	28.8	2.95	30.8	3.16	32.8	3.37	36.7	3.78	40.9	4.20
	14	20.8	2.25	24.9	2.62	28.8	2.99	30.8	3.20	32.8	3.41	36.7	3.83	40.9	4.27
	16	20.8	2.30	24.9	2.67	28.8	3.04	30.8	3.27	32.8	3.46	36.7	3.90	40.9	4.34
	18	20.8	2.32	24.9	2.69	28.8	3.09	30.8	3.32	32.8	3.53	36.7	3.97	40.9	4.43
	20	20.8	2.34	24.9	2.74	28.8	3.16	30.8	3.37	32.8	3.60	36.7	4.04	40.9	4.53
	21	20.8	2.37	24.9	2.76	28.8	3.18	30.8	3.41	32.8	3.62	36.7	4.09	40.9	4.57
	23	20.8	2.41	24.9	2.81	28.8	3.23	30.8	3.46	32.8	3.69	36.7	4.16	40.9	4.67
	25	20.8	2.44	24.9	2.86	28.8	3.30	30.8	3.53	32.8	3.81	36.7	4.36	40.9	4.99
	27	20.8	2.48	24.9	2.95	28.8	3.48	30.8	3.76	32.8	4.04	36.7	4.67	40.9	5.32
	29	20.8	2.62	24.9	3.13	28.8	3.69	30.8	3.99	32.8	4.29	36.7	4.94	40.9	5.64
	31	20.8	2.76	24.9	3.32	28.8	3.92	30.8	4.22	32.8	4.57	36.7	5.27	40.9	6.01
	33	20.8	2.92	24.9	3.51	28.8	4.16	30.8	4.48	32.8	4.85	36.7	5.59	40.9	6.41
	35	20.8	3.09	24.9	3.71	28.8	4.39	30.8	4.76	32.8	5.13	36.7	5.92	40.9	6.80
	37	20.8	3.27	24.9	3.92	28.8	4.64	30.8	5.04	32.8	5.43	36.7	6.31	40.9	7.22
	39	20.8	3.49	24.9	4.21	28.8	4.97	30.8	5.42	32.8	5.83	36.7	6.73	40.9	7.80
	41	20.3	3.78	24.2	4.55	28.1	5.44	30.0	5.87	31.9	6.32	35.8	7.37	39.9	8.47
	43	19.8	4.10	23.6	4.95	27.4	5.92	29.3	6.39	31.2	6.88	34.9	8.04	38.9	9.24
46	18.5	4.60	22.1	5.55	25.7	6.64	27.4	7.18	29.2	7.72	32.7	9.05	36.4	10.40	
48	16.4	4.00	19.6	4.84	22.7	5.79	24.3	6.27	25.8	6.74	28.9	7.90	32.2	9.09	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN240BTE5

Cooling Capacity (24HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	61.4	7.37	73.2	9.00	78.4	10.44	80.7	10.66	82.9	10.74	86.9	10.83	89.2	10.87
	12	61.4	7.55	73.2	9.32	78.4	10.87	80.7	10.94	82.9	11.03	86.9	11.12	89.2	11.22
	14	61.4	7.80	73.2	9.66	78.4	11.28	80.7	11.36	82.9	11.45	86.9	11.55	89.2	11.65
	16	61.4	8.09	73.2	10.00	78.4	11.79	80.7	11.90	82.9	11.99	86.9	12.10	89.2	12.19
	18	61.4	8.43	73.2	10.58	78.4	12.33	80.7	12.59	82.9	12.69	86.9	12.82	89.2	12.91
	20	61.4	8.80	73.2	11.27	78.4	12.94	80.7	13.85	82.9	13.96	85.7	14.10	87.9	14.20
	21	61.4	9.03	73.2	11.66	78.4	13.21	80.7	14.66	82.9	14.78	85.2	14.92	87.4	15.03
	23	61.4	9.69	73.2	12.27	78.4	13.89	80.7	16.18	81.9	16.31	83.9	16.47	86.2	16.58
	25	61.4	10.35	73.2	12.98	78.4	14.85	79.7	17.94	80.7	18.08	82.9	18.26	85.2	18.39
	27	61.4	11.07	73.2	13.87	77.4	15.82	78.4	19.75	79.7	19.91	81.9	20.11	83.9	20.24
	29	61.4	11.80	73.2	14.83	76.2	17.02	77.3	21.71	78.4	21.84	80.7	22.03	82.9	22.12
	31	61.4	12.59	72.9	15.62	74.9	18.10	76.2	21.61	77.3	21.74	79.4	21.94	81.7	22.03
	33	61.4	13.41	71.7	16.55	73.9	19.42	75.1	21.42	76.2	21.55	78.4	21.74	80.4	21.82
	35	61.4	14.30	70.4	17.33	72.7	21.03	73.9	21.14	75.1	21.26	77.2	21.45	79.4	21.54
	37	61.4	15.25	69.4	18.19	71.7	20.75	72.7	20.86	73.9	20.98	75.9	21.17	78.2	21.25
	39	61.4	16.24	68.2	19.15	70.4	20.48	71.7	20.58	72.7	20.70	74.9	20.89	77.2	20.97
	41	59.9	17.23	65.4	20.10	67.6	20.20	68.6	20.30	69.9	20.42	72.0	20.60	74.0	20.69
	43	58.4	18.17	62.6	19.82	64.8	19.92	65.8	20.02	67.1	20.14	69.2	20.32	71.1	20.40
46	54.7	19.45	57.1	19.41	59.2	19.50	60.1	19.60	61.4	19.72	63.3	19.90	65.1	19.97	
48	48.4	18.90	49.6	18.96	51.5	19.00	52.3	19.05	53.4	19.22	55.1	19.34	56.7	19.41	
120	10	56.8	6.63	67.6	8.13	73.8	9.65	76.1	10.43	78.3	10.60	82.6	10.64	84.6	10.73
	12	56.8	6.81	67.6	8.40	73.8	10.04	76.1	10.65	78.3	10.99	82.6	11.13	84.6	11.21
	14	56.8	7.04	67.6	8.69	73.8	10.45	76.1	11.06	78.3	11.39	82.6	11.56	84.6	11.66
	16	56.8	7.29	67.6	9.04	73.8	10.85	76.1	11.47	78.3	11.92	82.6	12.07	84.6	12.16
	18	56.8	7.58	67.6	9.45	73.8	11.29	76.1	12.08	78.3	12.53	82.6	12.68	84.6	12.78
	20	56.8	7.87	67.6	10.02	73.8	11.89	76.1	12.71	78.3	13.20	82.6	13.37	84.6	13.48
	21	56.8	8.11	67.6	10.38	73.8	12.23	76.1	13.08	78.3	13.63	82.6	13.80	84.6	13.91
	23	56.8	8.67	67.6	11.10	73.8	13.10	76.1	13.90	78.3	14.53	82.6	14.68	84.6	14.80
	25	56.8	9.26	67.6	11.89	73.8	13.82	76.1	14.82	78.3	15.58	81.6	15.71	83.6	15.84
	27	56.8	9.88	67.6	12.72	73.8	14.71	76.1	15.83	78.3	16.75	80.3	16.86	82.4	17.00
	29	56.8	10.54	67.6	13.57	73.8	15.48	76.1	16.94	77.1	17.85	79.1	18.12	81.3	18.26
	31	56.8	11.24	67.6	14.50	73.8	16.28	75.1	18.15	76.1	19.15	78.1	19.49	80.1	19.64
	33	56.8	11.96	67.6	15.45	72.8	17.22	73.8	19.70	74.8	20.56	76.8	20.79	78.8	20.96
	35	56.8	12.72	67.6	16.47	71.6	18.22	72.6	21.71	73.8	21.81	75.8	21.88	77.8	22.05
	37	56.8	13.68	67.6	17.38	70.6	19.43	71.6	21.25	72.6	21.35	74.6	21.42	76.6	21.59
	39	56.8	14.73	67.3	18.37	69.3	20.61	70.3	20.81	71.3	20.92	73.6	20.98	75.6	21.15
	41	55.4	15.77	64.4	19.36	66.6	20.20	67.5	20.38	68.5	20.48	70.5	20.54	72.5	20.70
	43	54.0	16.84	61.7	19.09	63.8	19.75	64.7	19.94	65.7	20.04	67.6	20.10	69.6	20.26
46	50.6	18.10	56.2	18.63	58.3	19.13	59.1	19.28	60.0	19.38	61.9	19.44	63.7	19.59	
48	44.8	17.74	48.8	18.30	50.7	18.75	51.4	18.87	52.2	18.93	53.8	19.00	55.4	19.08	
110	10	52.0	5.96	62.0	7.27	69.2	8.63	71.2	9.34	75.7	10.05	77.5	10.33	82.7	10.50
	12	52.0	6.15	62.0	7.51	69.2	8.99	71.2	9.60	75.7	10.43	77.5	10.77	82.7	11.01
	14	52.0	6.34	62.0	7.85	69.2	9.39	71.2	10.08	75.7	10.96	77.5	11.27	82.7	11.50
	16	52.0	6.56	62.0	8.13	69.2	9.78	71.2	10.52	75.7	11.46	77.5	11.77	82.7	11.98
	18	52.0	6.81	62.0	8.47	69.2	10.35	71.2	11.08	75.7	12.09	77.5	12.33	82.7	12.56
	20	52.0	7.05	62.0	8.90	69.2	10.97	71.2	11.59	75.7	12.68	77.5	12.99	82.7	13.20
	21	52.0	7.21	62.0	9.16	69.2	11.25	71.2	11.90	75.7	13.03	77.5	13.36	82.7	13.57
	23	52.0	7.68	62.0	9.82	69.2	11.88	71.2	12.56	75.7	13.76	77.5	14.06	82.7	14.29
	25	52.0	8.20	62.0	10.48	69.2	12.55	71.2	13.28	75.7	14.54	77.5	14.75	81.7	15.05
	27	52.0	8.76	62.0	11.20	69.2	13.26	71.2	14.05	75.7	15.19	77.5	15.54	80.5	15.80
	29	52.0	9.36	62.0	11.96	69.2	14.02	71.2	14.88	75.7	16.05	77.5	16.33	79.5	16.57
	31	52.0	9.95	62.0	12.75	69.2	14.81	71.2	15.77	74.5	16.87	76.5	17.20	78.2	17.38
	33	52.0	10.61	62.0	13.57	69.2	15.65	71.2	16.71	73.5	17.81	75.2	18.11	77.2	18.21
	35	52.0	11.27	62.0	14.50	69.2	16.53	71.2	17.71	72.2	18.80	74.0	18.97	76.0	19.06
	37	52.0	11.94	62.0	15.39	69.2	17.45	70.2	18.76	71.0	19.82	73.0	19.89	74.7	19.95
	39	52.0	12.88	62.0	16.35	68.0	18.41	69.0	20.07	70.0	20.81	71.7	20.84	73.7	20.86
	41	50.7	13.81	60.4	17.31	65.1	19.41	66.1	21.71	66.9	21.71	68.9	21.88	70.6	22.05
	43	49.4	14.50	58.9	18.04	62.4	20.59	63.4	20.82	64.2	20.78	66.1	20.89	67.8	20.95
46	46.3	14.15	55.2	17.41	56.9	19.54	57.9	19.54	58.6	19.71	60.4	19.82	62.0	19.87	
48	41.0	13.74	48.0	16.78	49.4	18.59	50.3	18.71	51.0	18.81	52.6	18.86	53.9	18.93	



# 7. Capacity Tables

Cooling Capacity (24HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
100	10	45.4	5.37	54.0	6.52	62.9	7.74	67.2	8.36	71.5	8.99	79.3	10.00	81.0	10.08
	12	45.4	5.54	54.0	6.79	62.9	8.00	67.2	8.59	71.5	9.27	79.3	10.54	81.0	10.64
	14	45.4	5.71	54.0	7.06	62.9	8.34	67.2	8.96	71.5	9.67	79.3	11.13	81.0	11.23
	16	45.4	5.89	54.0	7.30	62.9	8.69	67.2	9.38	71.5	10.19	79.3	11.67	81.0	11.83
	18	45.4	6.06	54.0	7.57	62.9	9.03	67.2	9.84	71.5	10.81	79.3	12.33	81.0	12.43
	20	45.4	6.28	54.0	7.85	62.9	9.56	67.2	10.54	71.5	11.57	79.3	12.92	81.0	13.02
	21	45.4	6.41	54.0	8.04	62.9	9.88	67.2	10.91	71.5	11.99	79.3	13.21	81.0	13.32
	23	45.4	6.79	54.0	8.60	62.9	10.61	67.2	11.70	71.5	12.85	79.3	13.83	81.0	13.95
	25	45.4	7.22	54.0	9.16	62.9	11.33	67.2	12.52	71.5	13.74	79.3	14.42	80.4	14.54
	27	45.4	7.71	54.0	9.79	62.9	12.13	67.2	13.38	71.5	14.61	77.8	15.10	79.4	15.22
	29	45.4	8.20	54.0	10.44	62.9	12.95	67.2	14.30	71.5	15.46	76.3	15.71	78.2	15.84
	31	45.4	8.76	54.0	11.14	62.9	13.81	67.2	15.26	71.5	16.25	75.2	16.32	77.0	16.45
	33	45.4	9.29	54.0	11.86	62.9	14.73	67.2	16.28	71.5	16.86	74.0	16.93	75.8	17.06
	35	45.4	9.88	54.0	12.62	62.9	15.68	67.2	17.36	70.4	17.47	72.6	17.54	74.5	17.68
	37	45.4	10.59	54.0	13.54	62.9	16.61	67.2	18.19	69.3	18.28	71.3	18.35	73.0	18.52
	39	45.4	11.35	54.0	14.54	62.9	17.60	67.2	19.08	68.1	19.16	70.1	19.24	71.8	19.42
	41	44.6	12.11	53.1	15.54	61.9	18.60	64.5	19.97	65.9	20.05	67.4	20.12	69.6	20.31
	43	43.1	12.82	51.3	16.48	59.8	19.49	61.8	20.73	62.5	20.81	64.5	20.87	66.2	21.07
46	40.4	13.79	48.1	17.76	56.0	20.67	56.4	21.71	57.1	21.77	58.9	21.83	60.5	22.04	
48	35.7	11.91	42.5	15.37	48.3	17.67	49.1	18.42	49.6	18.48	51.2	18.52	52.6	18.67	
90	10	40.8	4.66	48.7	5.61	56.6	6.61	60.5	7.12	64.3	7.67	72.2	8.58	80.2	9.55
	12	40.8	4.72	48.7	5.69	56.6	6.72	60.5	7.27	64.3	7.84	72.2	8.75	80.2	9.71
	14	40.8	4.81	48.7	5.81	56.6	6.87	60.5	7.41	64.3	7.98	72.2	8.92	80.2	9.91
	16	40.8	4.89	48.7	5.92	56.6	7.01	60.5	7.55	64.3	8.13	72.2	9.09	80.2	10.08
	18	40.8	4.98	48.7	6.04	56.6	7.12	60.5	7.73	64.3	8.30	72.2	9.29	80.2	10.59
	20	40.8	5.06	48.7	6.15	56.6	7.27	60.5	7.87	64.3	8.61	72.2	9.94	80.2	11.09
	21	40.8	5.12	48.7	6.21	56.6	7.41	60.5	8.13	64.3	8.93	72.2	10.10	80.2	11.35
	23	40.8	5.24	48.7	6.47	56.6	7.93	60.5	8.73	64.3	9.56	72.2	10.72	79.1	11.88
	25	40.8	5.49	48.7	6.90	56.6	8.47	60.5	9.33	64.3	10.21	72.2	11.46	77.9	12.39
	27	40.8	5.87	48.7	7.35	56.6	9.04	60.5	9.96	64.3	10.93	72.2	12.18	76.8	12.97
	29	40.8	6.21	48.7	7.84	56.6	9.67	60.5	10.64	64.3	11.67	72.2	12.90	75.6	13.49
	31	40.8	6.61	48.7	8.36	56.6	10.30	60.5	11.33	64.3	12.45	72.2	13.55	74.5	14.02
	33	40.8	7.04	48.7	8.90	56.6	10.99	60.5	12.07	64.3	13.20	72.2	14.20	73.3	14.54
	35	40.8	7.47	48.7	9.44	56.6	11.67	60.5	12.88	64.3	14.00	71.0	15.02	72.2	15.36
	37	40.8	7.93	48.7	10.04	56.6	12.45	60.5	13.68	64.3	14.78	69.9	15.70	71.1	16.05
	39	40.8	8.39	48.7	10.68	56.6	13.17	60.5	14.56	64.3	15.54	68.7	16.55	69.9	16.75
	41	39.8	9.39	47.5	11.84	55.2	14.46	58.9	15.92	62.7	16.78	65.8	17.44	67.0	17.84
	43	38.8	10.14	46.3	12.80	53.8	15.80	57.5	17.14	61.1	17.99	63.1	18.68	64.3	18.90
46	36.3	11.41	43.4	14.57	50.4	18.00	53.9	19.44	55.5	19.99	57.6	20.50	58.7	20.53	
48	32.1	9.97	38.4	12.75	44.6	15.75	47.6	16.96	48.2	17.22	50.1	17.65	51.0	17.67	
80	10	36.2	3.89	43.2	4.67	50.2	5.48	53.8	5.92	57.4	6.35	64.3	7.24	71.3	7.86
	12	36.2	3.97	43.2	4.73	50.2	5.59	53.8	6.02	57.4	6.46	64.3	7.37	71.3	8.02
	14	36.2	4.02	43.2	4.84	50.2	5.67	53.8	6.13	57.4	6.56	64.3	7.51	71.3	8.17
	16	36.2	4.08	43.2	4.92	50.2	5.78	53.8	6.24	57.4	6.70	64.3	7.67	71.3	8.33
	18	36.2	4.16	43.2	5.00	50.2	5.89	53.8	6.35	57.4	6.83	64.3	7.81	71.3	8.51
	20	36.2	4.24	43.2	5.11	50.2	6.02	53.8	6.48	57.4	6.97	64.3	8.10	71.3	9.01
	21	36.2	4.27	43.2	5.16	50.2	6.08	53.8	6.56	57.4	7.13	64.3	8.36	71.3	9.25
	23	36.2	4.35	43.2	5.24	50.2	6.35	53.8	6.97	57.4	7.62	64.3	8.83	71.3	9.71
	25	36.2	4.51	43.2	5.59	50.2	6.81	53.8	7.46	57.4	8.16	64.3	9.45	71.3	10.38
	27	36.2	4.78	43.2	5.94	50.2	7.27	53.8	7.97	57.4	8.70	64.3	10.04	71.3	10.93
	29	36.2	5.08	43.2	6.35	50.2	7.73	53.8	8.48	57.4	9.29	64.3	10.75	71.3	11.69
	31	36.2	5.40	43.2	6.73	50.2	8.24	53.8	9.05	57.4	9.89	64.3	11.41	71.3	12.28
	33	36.2	5.73	43.2	7.19	50.2	8.78	53.8	9.64	57.4	10.53	64.3	12.02	71.3	12.87
	35	36.2	6.08	43.2	7.62	50.2	9.35	53.8	10.26	57.4	11.24	64.3	12.75	70.5	13.34
	37	36.2	6.43	43.2	8.10	50.2	9.91	53.8	10.91	57.4	11.94	64.3	13.46	69.4	13.95
	39	36.2	6.79	43.2	8.56	50.2	10.60	53.8	11.73	57.4	12.83	64.3	14.22	68.2	14.71
	41	35.3	7.52	42.1	9.49	48.9	11.64	52.4	12.86	55.9	14.10	62.7	15.82	65.4	16.31
	43	34.4	8.27	41.1	10.35	47.7	12.70	51.1	14.02	54.5	15.41	61.1	16.93	62.7	17.46
46	32.3	9.21	38.5	11.66	44.7	14.31	47.9	15.60	51.1	17.39	55.9	18.48	57.2	18.77	
48	28.6	8.04	34.0	10.20	39.5	12.52	42.4	13.63	45.2	15.22	48.5	15.99	49.7	16.16	

# 7. Capacity Tables

Cooling Capacity (24HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	31.7	3.40	37.9	4.04	43.9	4.69	47.0	5.06	50.2	5.41	56.2	6.16	62.4	6.89
	12	31.7	3.45	37.9	4.10	43.9	4.79	47.0	5.14	50.2	5.52	56.2	6.26	62.4	7.02
	14	31.7	3.51	37.9	4.15	43.9	4.87	47.0	5.22	50.2	5.60	56.2	6.40	62.4	7.15
	16	31.7	3.56	37.9	4.23	43.9	4.95	47.0	5.33	50.2	5.70	56.2	6.51	62.4	7.30
	18	31.7	3.61	37.9	4.31	43.9	5.06	47.0	5.43	50.2	5.81	56.2	6.61	62.4	7.43
	20	31.7	3.67	37.9	4.39	43.9	5.14	47.0	5.54	50.2	5.94	56.2	6.77	62.4	7.71
	21	31.7	3.72	37.9	4.42	43.9	5.19	47.0	5.60	50.2	6.00	56.2	6.88	62.4	7.87
	23	31.7	3.78	37.9	4.52	43.9	5.30	47.0	5.78	50.2	6.29	56.2	7.36	62.4	8.31
	25	31.7	3.83	37.9	4.69	43.9	5.65	47.0	6.18	50.2	6.72	56.2	7.87	62.4	8.72
	27	31.7	4.04	37.9	5.01	43.9	6.02	47.0	6.56	50.2	7.18	56.2	8.41	62.4	9.26
	29	31.7	4.31	37.9	5.30	43.9	6.40	47.0	6.99	50.2	7.63	56.2	8.97	62.4	9.92
	31	31.7	4.58	37.9	5.65	43.9	6.83	47.0	7.47	50.2	8.14	56.2	9.56	62.4	10.53
	33	31.7	4.85	37.9	5.97	43.9	7.26	47.0	7.92	50.2	8.65	56.2	10.17	62.4	11.21
	35	31.7	5.11	37.9	6.37	43.9	7.71	47.0	8.43	50.2	9.21	56.2	10.84	62.4	11.89
	37	31.7	5.43	37.9	6.75	43.9	8.19	47.0	8.97	50.2	9.80	56.2	11.54	62.4	12.55
	39	31.7	5.77	37.9	7.20	43.9	8.76	47.0	9.65	50.2	10.59	56.2	12.35	62.4	13.53
	41	30.9	6.38	36.9	7.88	42.8	9.61	45.8	10.58	48.9	11.51	54.7	13.56	60.8	14.59
	43	30.1	6.95	36.0	8.59	41.7	10.48	44.7	11.54	47.7	12.57	53.4	14.82	59.3	15.78
46	28.2	7.72	33.8	9.66	39.1	11.81	41.9	12.86	44.7	14.17	50.0	16.71	55.6	17.58	
48	25.0	6.74	29.9	8.44	34.6	10.32	37.1	11.23	39.5	12.39	44.2	14.63	49.2	15.22	
60	10	27.1	2.92	32.4	3.42	37.7	3.98	40.3	4.27	43.0	4.54	48.2	5.15	53.5	5.76
	12	27.1	2.97	32.4	3.48	37.7	4.03	40.3	4.33	43.0	4.62	48.2	5.23	53.5	5.86
	14	27.1	3.00	32.4	3.53	37.7	4.11	40.3	4.40	43.0	4.70	48.2	5.33	53.5	5.97
	16	27.1	3.05	32.4	3.61	37.7	4.17	40.3	4.48	43.0	4.80	48.2	5.44	53.5	6.08
	18	27.1	3.10	32.4	3.66	37.7	4.25	40.3	4.56	43.0	4.88	48.2	5.52	53.5	6.21
	20	27.1	3.16	32.4	3.71	37.7	4.33	40.3	4.64	43.0	4.96	48.2	5.63	53.5	6.34
	21	27.1	3.18	32.4	3.74	37.7	4.38	40.3	4.70	43.0	5.01	48.2	5.70	53.5	6.39
	23	27.1	3.24	32.4	3.82	37.7	4.43	40.3	4.78	43.0	5.12	48.2	5.92	53.5	6.79
	25	27.1	3.29	32.4	3.90	37.7	4.62	40.3	5.01	43.0	5.44	48.2	6.32	53.5	7.27
	27	27.1	3.40	32.4	4.11	37.7	4.91	40.3	5.33	43.0	5.78	48.2	6.71	53.5	7.75
	29	27.1	3.61	32.4	4.38	37.7	5.23	40.3	5.68	43.0	6.16	48.2	7.16	53.5	8.28
	31	27.1	3.82	32.4	4.64	37.7	5.55	40.3	6.05	43.0	6.55	48.2	7.64	53.5	8.81
	33	27.1	4.03	32.4	4.91	37.7	5.89	40.3	6.42	43.0	6.98	48.2	8.12	53.5	9.39
	35	27.1	4.27	32.4	5.23	37.7	6.26	40.3	6.82	43.0	7.40	48.2	8.65	53.5	9.98
	37	27.1	4.51	32.4	5.52	37.7	6.63	40.3	7.24	43.0	7.85	48.2	9.18	53.5	10.61
	39	27.1	4.80	32.4	5.87	37.7	7.16	40.3	7.77	43.0	8.45	48.2	9.84	53.5	11.37
	41	26.4	5.20	31.6	6.43	36.7	7.78	39.3	8.49	41.9	9.17	47.0	10.80	52.2	12.36
	43	25.8	5.65	30.8	7.00	35.8	8.48	38.3	9.25	40.8	10.01	45.8	11.79	50.9	13.50
46	24.2	6.33	28.9	7.86	33.6	9.53	35.9	10.40	38.3	11.26	43.0	13.29	47.7	15.38	
48	21.4	5.52	25.5	6.86	29.7	8.33	31.8	9.08	33.8	9.84	38.0	11.62	42.2	13.46	
50	10	22.7	2.50	27.1	2.89	31.4	3.29	33.6	3.52	35.8	3.73	40.1	4.21	44.6	4.68
	12	22.7	2.52	27.1	2.92	31.4	3.34	33.6	3.58	35.8	3.81	40.1	4.29	44.6	4.76
	14	22.7	2.55	27.1	2.97	31.4	3.39	33.6	3.63	35.8	3.87	40.1	4.34	44.6	4.84
	16	22.7	2.60	27.1	3.02	31.4	3.44	33.6	3.71	35.8	3.92	40.1	4.42	44.6	4.92
	18	22.7	2.63	27.1	3.05	31.4	3.50	33.6	3.76	35.8	4.00	40.1	4.50	44.6	5.02
	20	22.7	2.66	27.1	3.10	31.4	3.58	33.6	3.81	35.8	4.08	40.1	4.58	44.6	5.13
	21	22.7	2.68	27.1	3.13	31.4	3.60	33.6	3.87	35.8	4.10	40.1	4.63	44.6	5.18
	23	22.7	2.73	27.1	3.18	31.4	3.66	33.6	3.92	35.8	4.18	40.1	4.71	44.6	5.29
	25	22.7	2.76	27.1	3.23	31.4	3.73	33.6	4.00	35.8	4.31	40.1	4.94	44.6	5.65
	27	22.7	2.81	27.1	3.34	31.4	3.94	33.6	4.26	35.8	4.58	40.1	5.29	44.6	6.02
	29	22.7	2.97	27.1	3.55	31.4	4.18	33.6	4.52	35.8	4.86	40.1	5.60	44.6	6.39
	31	22.7	3.13	27.1	3.76	31.4	4.44	33.6	4.79	35.8	5.18	40.1	5.97	44.6	6.81
	33	22.7	3.31	27.1	3.97	31.4	4.71	33.6	5.08	35.8	5.50	40.1	6.34	44.6	7.26
	35	22.7	3.50	27.1	4.21	31.4	4.97	33.6	5.39	35.8	5.81	40.1	6.71	44.6	7.70
	37	22.7	3.71	27.1	4.44	31.4	5.26	33.6	5.71	35.8	6.15	40.1	7.15	44.6	8.18
	39	22.7	3.95	27.1	4.76	31.4	5.63	33.6	6.14	35.8	6.60	40.1	7.62	44.6	8.83
	41	22.1	4.28	26.4	5.16	30.6	6.16	32.7	6.65	34.8	7.15	39.1	8.35	43.5	9.59
	43	21.6	4.65	25.8	5.61	29.9	6.70	31.9	7.24	34.0	7.79	38.1	9.11	42.4	10.46
46	20.2	5.21	24.2	6.29	28.0	7.52	29.9	8.13	31.8	8.74	35.7	10.25	39.8	11.78	
48	17.9	4.54	21.4	5.49	24.8	6.56	26.5	7.10	28.2	7.63	31.6	8.95	35.2	10.30	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN260BTE5

Cooling Capacity (26HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	66.6	8.58	79.3	10.48	85.0	12.16	87.4	12.41	89.8	12.51	94.2	12.61	96.6	12.66
	12	66.6	8.79	79.3	10.86	85.0	12.66	87.4	12.74	89.8	12.85	94.2	12.95	96.6	13.06
	14	66.6	9.08	79.3	11.25	85.0	13.14	87.4	13.23	89.8	13.34	94.2	13.44	96.6	13.56
	16	66.6	9.42	79.3	11.64	85.0	13.73	87.4	13.85	89.8	13.96	94.2	14.09	96.6	14.20
	18	66.6	9.81	79.3	12.32	85.0	14.36	87.4	14.67	89.8	14.78	94.2	14.93	96.6	15.03
	20	66.6	10.24	79.3	13.12	85.0	15.06	87.4	16.13	89.8	16.26	92.8	16.42	95.2	16.54
	21	66.6	10.51	79.3	13.58	85.0	15.38	87.4	17.07	89.8	17.21	92.3	17.38	94.7	17.50
	23	66.6	11.28	79.3	14.29	85.0	16.18	87.4	18.84	88.7	18.99	90.9	19.18	93.3	19.31
	25	66.6	12.05	79.3	15.11	85.0	17.29	86.4	20.89	87.4	21.06	89.8	21.27	92.3	21.41
	27	66.6	12.89	79.3	16.15	83.9	18.42	85.0	23.00	86.4	23.18	88.7	23.41	90.9	23.57
	29	66.6	13.74	79.3	17.27	82.5	19.82	83.7	25.28	85.0	25.43	87.4	25.66	89.8	25.76
	31	66.6	14.66	79.0	18.19	81.2	21.08	82.5	25.17	83.7	25.32	86.0	25.55	88.5	25.65
	33	66.6	15.62	77.6	19.27	80.1	22.61	81.4	24.94	82.5	25.09	85.0	25.31	87.1	25.41
	35	66.6	16.65	76.3	20.18	78.7	24.49	80.1	24.62	81.4	24.76	83.6	24.98	86.0	25.08
	37	66.6	17.76	75.2	21.18	77.6	24.17	78.7	24.29	80.1	24.44	82.3	24.65	84.7	24.75
	39	66.6	18.91	73.9	22.30	76.3	23.85	77.6	23.97	78.7	24.11	81.2	24.32	83.6	24.42
	41	64.9	20.06	70.8	23.41	73.2	23.52	74.3	23.64	75.7	23.78	78.0	23.99	80.1	24.09
	43	63.3	21.16	67.9	23.08	70.2	23.20	71.3	23.31	72.7	23.45	74.9	23.66	77.0	23.76
46	59.3	22.65	61.9	22.60	64.1	22.71	65.1	22.83	66.5	22.96	68.6	23.17	70.5	23.26	
48	52.4	22.01	53.8	22.08	55.8	22.13	56.7	22.19	57.9	22.38	59.7	22.52	61.4	22.61	
120	10	61.6	7.72	73.2	9.46	80.0	11.24	82.4	12.15	84.9	12.34	89.5	12.39	91.7	12.49
	12	61.6	7.93	73.2	9.78	80.0	11.70	82.4	12.41	84.9	12.80	89.5	12.96	91.7	13.06
	14	61.6	8.20	73.2	10.11	80.0	12.17	82.4	12.88	84.9	13.27	89.5	13.47	91.7	13.57
	16	61.6	8.49	73.2	10.53	80.0	12.64	82.4	13.36	84.9	13.88	89.5	14.05	91.7	14.17
	18	61.6	8.83	73.2	11.00	80.0	13.14	82.4	14.06	84.9	14.60	89.5	14.76	91.7	14.88
	20	61.6	9.16	73.2	11.66	80.0	13.85	82.4	14.80	84.9	15.37	89.5	15.57	91.7	15.69
	21	61.6	9.44	73.2	12.09	80.0	14.24	82.4	15.23	84.9	15.87	89.5	16.08	91.7	16.20
	23	61.6	10.09	73.2	12.93	80.0	15.26	82.4	16.19	84.9	16.92	89.5	17.09	91.7	17.23
	25	61.6	10.78	73.2	13.85	80.0	16.09	82.4	17.26	84.9	18.15	88.4	18.30	90.5	18.45
	27	61.6	11.51	73.2	14.81	80.0	17.12	82.4	18.44	84.9	19.50	87.0	19.63	89.2	19.79
	29	61.6	12.28	73.2	15.81	80.0	18.02	82.4	19.73	83.5	20.79	85.7	21.10	88.1	21.27
	31	61.6	13.08	73.2	16.88	80.0	18.95	81.3	21.14	82.4	22.30	84.6	22.69	86.7	22.87
	33	61.6	13.93	73.2	18.00	78.9	20.05	80.0	22.94	81.1	23.94	83.2	24.21	85.4	24.41
	35	61.6	14.81	73.2	19.18	77.5	21.22	78.6	25.28	80.0	25.40	82.2	25.48	84.3	25.68
	37	61.6	15.93	73.2	20.24	76.4	22.62	77.5	24.74	78.6	24.87	80.8	24.94	83.0	25.14
	39	61.6	17.15	72.9	21.40	75.1	24.00	76.2	24.24	77.3	24.36	79.7	24.43	81.9	24.62
	41	60.0	18.37	69.8	22.55	72.1	23.52	73.1	23.73	74.2	23.85	76.3	23.92	78.5	24.11
	43	58.5	19.61	66.8	22.23	69.1	23.00	70.1	23.22	71.2	23.34	73.3	23.41	75.4	23.59
46	54.8	21.08	60.9	21.70	63.1	22.27	64.1	22.46	65.0	22.57	67.0	22.64	69.0	22.82	
48	48.5	20.65	52.9	21.31	54.9	21.84	55.7	21.97	56.6	22.04	58.3	22.13	60.1	22.22	
110	10	56.3	6.94	67.1	8.46	75.0	10.05	77.2	10.88	82.0	11.71	83.9	12.03	89.6	12.23
	12	56.3	7.16	67.1	8.75	75.0	10.47	77.2	11.18	82.0	12.15	83.9	12.54	89.6	12.83
	14	56.3	7.38	67.1	9.14	75.0	10.94	77.2	11.74	82.0	12.76	83.9	13.12	89.6	13.40
	16	56.3	7.64	67.1	9.47	75.0	11.39	77.2	12.25	82.0	13.35	83.9	13.71	89.6	13.95
	18	56.3	7.93	67.1	9.87	75.0	12.05	77.2	12.90	82.0	14.08	83.9	14.36	89.6	14.62
	20	56.3	8.21	67.1	10.36	75.0	12.78	77.2	13.49	82.0	14.76	83.9	15.13	89.6	15.37
	21	56.3	8.39	67.1	10.67	75.0	13.11	77.2	13.86	82.0	15.17	83.9	15.56	89.6	15.80
	23	56.3	8.94	67.1	11.43	75.0	13.84	77.2	14.63	82.0	16.03	83.9	16.37	89.6	16.64
	25	56.3	9.55	67.1	12.20	75.0	14.62	77.2	15.47	82.0	16.94	83.9	17.18	88.5	17.53
	27	56.3	10.21	67.1	13.05	75.0	15.45	77.2	16.37	82.0	17.69	83.9	18.09	87.2	18.40
	29	56.3	10.90	67.1	13.93	75.0	16.32	77.2	17.33	82.0	18.69	83.9	19.01	86.1	19.30
	31	56.3	11.59	67.1	14.85	75.0	17.25	77.2	18.36	80.7	19.64	82.8	20.02	84.8	20.24
	33	56.3	12.36	67.1	15.81	75.0	18.23	77.2	19.46	79.6	20.74	81.5	21.08	83.7	21.20
	35	56.3	13.12	67.1	16.88	75.0	19.25	77.2	20.62	78.3	21.89	80.1	22.09	82.3	22.20
	37	56.3	13.91	67.1	17.92	75.0	20.32	76.1	21.85	76.9	23.09	79.1	23.17	81.0	23.23
	39	56.3	14.99	67.1	19.04	73.6	21.44	74.7	23.37	75.8	24.23	77.7	24.27	79.9	24.30
	41	54.9	16.08	65.4	20.16	70.5	22.61	71.6	25.28	72.5	25.28	74.6	25.48	76.5	25.68
	43	53.5	16.89	63.8	21.01	67.6	23.98	68.7	24.25	69.6	24.19	71.6	24.33	73.4	24.40
46	50.2	16.48	59.8	20.28	61.6	22.75	62.7	22.75	63.5	22.95	65.5	23.08	67.2	23.14	
48	44.4	16.01	52.0	19.54	53.5	21.65	54.5	21.79	55.2	21.90	56.9	21.96	58.4	22.05	

# 7. Capacity Tables

Cooling Capacity (26HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	49.1	6.25	58.5	7.60	68.1	9.01	72.8	9.74	77.5	10.46	85.9	11.65	87.8	11.74
	12	49.1	6.45	58.5	7.91	68.1	9.32	72.8	10.00	77.5	10.80	85.9	12.27	87.8	12.40
	14	49.1	6.65	58.5	8.22	68.1	9.71	72.8	10.43	77.5	11.26	85.9	12.96	87.8	13.08
	16	49.1	6.85	58.5	8.50	68.1	10.13	72.8	10.93	77.5	11.87	85.9	13.59	87.8	13.78
	18	49.1	7.06	58.5	8.81	68.1	10.52	72.8	11.46	77.5	12.59	85.9	14.35	87.8	14.47
	20	49.1	7.31	58.5	9.14	68.1	11.13	72.8	12.28	77.5	13.47	85.9	15.04	87.8	15.16
	21	49.1	7.46	58.5	9.36	68.1	11.51	72.8	12.70	77.5	13.97	85.9	15.39	87.8	15.51
	23	49.1	7.90	58.5	10.01	68.1	12.36	72.8	13.62	77.5	14.96	85.9	16.11	87.8	16.24
	25	49.1	8.40	58.5	10.67	68.1	13.20	72.8	14.58	77.5	16.00	85.9	16.80	87.0	16.93
	27	49.1	8.98	58.5	11.40	68.1	14.12	72.8	15.58	77.5	17.01	84.2	17.59	86.0	17.73
	29	49.1	9.55	58.5	12.16	68.1	15.08	72.8	16.65	77.5	18.00	82.7	18.30	84.7	18.44
	31	49.1	10.21	58.5	12.97	68.1	16.08	72.8	17.77	77.5	18.92	81.4	19.01	83.4	19.16
	33	49.1	10.82	58.5	13.81	68.1	17.15	72.8	18.95	77.5	19.63	80.1	19.71	82.1	19.87
	35	49.1	11.51	58.5	14.70	68.1	18.26	72.8	20.22	76.3	20.34	78.7	20.42	80.7	20.59
	37	49.1	12.33	58.5	15.76	68.1	19.35	72.8	21.18	75.0	21.29	77.2	21.37	79.0	21.57
	39	49.1	13.22	58.5	16.93	68.1	20.50	72.8	22.22	73.8	22.32	76.0	22.40	77.7	22.61
	41	48.4	14.11	57.6	18.10	67.0	21.66	69.9	23.25	71.4	23.35	73.1	23.43	75.4	23.65
	43	46.7	14.93	55.6	19.19	64.7	22.69	67.0	24.14	67.7	24.23	69.8	24.31	71.7	24.54
46	43.8	16.06	52.1	20.69	60.7	24.07	61.2	25.28	61.8	25.35	63.8	25.42	65.5	25.67	
48	38.7	13.86	46.1	17.90	52.4	20.58	53.1	21.45	53.7	21.52	55.5	21.56	57.0	21.74	
90	10	44.2	5.42	52.8	6.52	61.4	7.68	65.5	8.28	69.7	8.91	78.3	9.98	86.8	11.09
	12	44.2	5.49	52.8	6.62	61.4	7.82	65.5	8.45	69.7	9.11	78.3	10.17	86.8	11.29
	14	44.2	5.59	52.8	6.75	61.4	7.98	65.5	8.61	69.7	9.28	78.3	10.37	86.8	11.52
	16	44.2	5.69	52.8	6.88	61.4	8.15	65.5	8.78	69.7	9.44	78.3	10.57	86.8	11.72
	18	44.2	5.79	52.8	7.02	61.4	8.28	65.5	8.98	69.7	9.64	78.3	10.80	86.8	12.30
	20	44.2	5.89	52.8	7.15	61.4	8.45	65.5	9.15	69.7	10.01	78.3	11.56	86.8	12.89
	21	44.2	5.95	52.8	7.22	61.4	8.61	65.5	9.44	69.7	10.38	78.3	11.74	86.8	13.19
	23	44.2	6.09	52.8	7.52	61.4	9.21	65.5	10.14	69.7	11.11	78.3	12.46	85.6	13.81
	25	44.2	6.39	52.8	8.01	61.4	9.84	65.5	10.84	69.7	11.87	78.3	13.32	84.4	14.40
	27	44.2	6.82	52.8	8.55	61.4	10.51	65.5	11.57	69.7	12.70	78.3	14.16	83.2	15.08
	29	44.2	7.22	52.8	9.11	61.4	11.24	65.5	12.37	69.7	13.57	78.3	15.00	81.9	15.68
	31	44.2	7.68	52.8	9.71	61.4	11.97	65.5	13.17	69.7	14.47	78.3	15.75	80.7	16.29
	33	44.2	8.18	52.8	10.34	61.4	12.77	65.5	14.03	69.7	15.34	78.3	16.51	79.5	16.90
	35	44.2	8.68	52.8	10.97	61.4	13.57	65.5	14.97	69.7	16.27	76.9	17.45	78.2	17.86
	37	44.2	9.21	52.8	11.67	61.4	14.47	65.5	15.90	69.7	17.18	75.7	18.25	77.0	18.66
	39	44.2	9.75	52.8	12.42	61.4	15.31	65.5	16.92	69.7	18.06	74.4	19.24	75.7	19.47
	41	43.1	10.91	51.4	13.76	59.8	16.81	63.8	18.50	67.9	19.50	71.3	20.27	72.6	20.74
	43	42.0	11.78	50.2	14.87	58.3	18.36	62.3	19.93	66.2	20.91	68.4	21.71	69.6	21.97
46	39.4	13.26	47.0	16.94	54.6	20.92	58.4	22.59	60.2	23.23	62.4	23.83	63.6	23.86	
48	34.8	11.59	41.6	14.82	48.3	18.30	51.6	19.71	52.2	20.02	54.3	20.51	55.3	20.54	
80	10	39.3	4.52	46.8	5.43	54.3	6.38	58.2	6.88	62.1	7.38	69.7	8.42	77.2	9.14
	12	39.3	4.62	46.8	5.50	54.3	6.50	58.2	7.00	62.1	7.51	69.7	8.57	77.2	9.32
	14	39.3	4.68	46.8	5.62	54.3	6.60	58.2	7.13	62.1	7.63	69.7	8.73	77.2	9.50
	16	39.3	4.74	46.8	5.72	54.3	6.72	58.2	7.26	62.1	7.79	69.7	8.92	77.2	9.68
	18	39.3	4.84	46.8	5.81	54.3	6.85	58.2	7.38	62.1	7.95	69.7	9.08	77.2	9.89
	20	39.3	4.93	46.8	5.94	54.3	7.00	58.2	7.54	62.1	8.10	69.7	9.42	77.2	10.48
	21	39.3	4.96	46.8	6.00	54.3	7.07	58.2	7.63	62.1	8.29	69.7	9.72	77.2	10.76
	23	39.3	5.06	46.8	6.09	54.3	7.38	58.2	8.10	62.1	8.86	69.7	10.26	77.2	11.29
	25	39.3	5.25	46.8	6.50	54.3	7.92	58.2	8.67	62.1	9.49	69.7	10.98	77.2	12.07
	27	39.3	5.56	46.8	6.91	54.3	8.45	58.2	9.27	62.1	10.11	69.7	11.67	77.2	12.70
	29	39.3	5.90	46.8	7.38	54.3	8.98	58.2	9.86	62.1	10.80	69.7	12.50	77.2	13.60
	31	39.3	6.28	46.8	7.82	54.3	9.58	58.2	10.52	62.1	11.50	69.7	13.27	77.2	14.28
	33	39.3	6.66	46.8	8.35	54.3	10.21	58.2	11.21	62.1	12.25	69.7	13.98	77.2	14.97
	35	39.3	7.07	46.8	8.86	54.3	10.87	58.2	11.94	62.1	13.07	69.7	14.82	76.4	15.51
	37	39.3	7.48	46.8	9.42	54.3	11.53	58.2	12.69	62.1	13.88	69.7	15.65	75.2	16.22
	39	39.3	7.90	46.8	9.96	54.3	12.33	58.2	13.64	62.1	14.92	69.7	16.53	73.9	17.11
	41	38.3	8.74	45.6	11.03	52.9	13.53	56.7	14.95	60.5	16.39	67.9	18.40	70.8	18.96
	43	37.3	9.62	44.5	12.04	51.6	14.77	55.3	16.30	59.1	17.91	66.2	19.68	67.9	20.30
46	35.0	10.70	41.7	13.56	48.4	16.64	51.9	18.14	55.3	20.22	60.6	21.49	62.0	21.83	
48	30.9	9.35	36.9	11.86	42.8	14.56	45.9	15.84	49.0	17.70	52.6	18.60	53.9	18.79	

# 7. Capacity Tables

Cooling Capacity (26HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI	TC	PI	
70	10	34.3	3.96	41.1	4.70	47.6	5.45	51.0	5.89	54.3	6.29	60.8	7.16	67.6	8.01
	12	34.3	4.02	41.1	4.77	47.6	5.58	51.0	5.98	54.3	6.42	60.8	7.29	67.6	8.16
	14	34.3	4.08	41.1	4.83	47.6	5.67	51.0	6.07	54.3	6.51	60.8	7.44	67.6	8.31
	16	34.3	4.14	41.1	4.92	47.6	5.76	51.0	6.20	54.3	6.63	60.8	7.57	67.6	8.49
	18	34.3	4.20	41.1	5.01	47.6	5.89	51.0	6.32	54.3	6.76	60.8	7.69	67.6	8.64
	20	34.3	4.27	41.1	5.11	47.6	5.98	51.0	6.45	54.3	6.91	60.8	7.88	67.6	8.97
	21	34.3	4.33	41.1	5.14	47.6	6.04	51.0	6.51	54.3	6.98	60.8	8.00	67.6	9.16
	23	34.3	4.39	41.1	5.26	47.6	6.17	51.0	6.73	54.3	7.32	60.8	8.57	67.6	9.67
	25	34.3	4.45	41.1	5.45	47.6	6.57	51.0	7.19	54.3	7.82	60.8	9.16	67.6	10.14
	27	34.3	4.70	41.1	5.82	47.6	7.01	51.0	7.63	54.3	8.35	60.8	9.78	67.6	10.78
	29	34.3	5.01	41.1	6.17	47.6	7.44	51.0	8.13	54.3	8.88	60.8	10.43	67.6	11.55
	31	34.3	5.33	41.1	6.57	47.6	7.94	51.0	8.69	54.3	9.47	60.8	11.12	67.6	12.25
	33	34.3	5.64	41.1	6.95	47.6	8.44	51.0	9.22	54.3	10.06	60.8	11.84	67.6	13.04
	35	34.3	5.95	41.1	7.42	47.6	8.97	51.0	9.81	54.3	10.71	60.8	12.61	67.6	13.83
	37	34.3	6.32	41.1	7.85	47.6	9.53	51.0	10.43	54.3	11.40	60.8	13.42	67.6	14.60
	39	34.3	6.71	41.1	8.37	47.6	10.19	51.0	11.23	54.3	12.31	60.8	14.37	67.6	15.74
	41	33.4	7.42	40.0	9.17	46.4	11.18	49.7	12.31	52.9	13.39	59.3	15.78	65.9	16.98
	43	32.6	8.08	39.0	10.00	45.2	12.20	48.4	13.43	51.6	14.62	57.8	17.24	64.2	18.35
46	30.6	8.98	36.6	11.24	42.4	13.74	45.4	14.96	48.4	16.48	54.2	19.44	60.2	20.46	
48	27.0	7.84	32.4	9.82	37.5	12.01	40.1	13.07	42.8	14.42	47.9	17.01	53.3	17.71	
60	10	29.4	3.40	35.1	3.98	40.8	4.63	43.7	4.97	46.5	5.28	52.3	5.99	58.0	6.70
	12	29.4	3.46	35.1	4.05	40.8	4.69	43.7	5.03	46.5	5.37	52.3	6.08	58.0	6.83
	14	29.4	3.49	35.1	4.11	40.8	4.79	43.7	5.13	46.5	5.47	52.3	6.21	58.0	6.95
	16	29.4	3.55	35.1	4.20	40.8	4.85	43.7	5.22	46.5	5.59	52.3	6.33	58.0	7.07
	18	29.4	3.61	35.1	4.26	40.8	4.94	43.7	5.31	46.5	5.68	52.3	6.42	58.0	7.23
	20	29.4	3.68	35.1	4.32	40.8	5.03	43.7	5.40	46.5	5.78	52.3	6.55	58.0	7.38
	21	29.4	3.71	35.1	4.35	40.8	5.10	43.7	5.47	46.5	5.84	52.3	6.64	58.0	7.44
	23	29.4	3.77	35.1	4.45	40.8	5.16	43.7	5.56	46.5	5.96	52.3	6.89	58.0	7.91
	25	29.4	3.83	35.1	4.54	40.8	5.37	43.7	5.84	46.5	6.33	52.3	7.35	58.0	8.46
	27	29.4	3.95	35.1	4.79	40.8	5.71	43.7	6.21	46.5	6.73	52.3	7.81	58.0	9.02
	29	29.4	4.20	35.1	5.10	40.8	6.08	43.7	6.61	46.5	7.16	52.3	8.34	58.0	9.64
	31	29.4	4.45	35.1	5.40	40.8	6.45	43.7	7.04	46.5	7.63	52.3	8.89	58.0	10.25
	33	29.4	4.69	35.1	5.71	40.8	6.86	43.7	7.47	46.5	8.12	52.3	9.45	58.0	10.93
	35	29.4	4.97	35.1	6.08	40.8	7.29	43.7	7.94	46.5	8.62	52.3	10.07	58.0	11.61
	37	29.4	5.25	35.1	6.42	40.8	7.72	43.7	8.43	46.5	9.14	52.3	10.69	58.0	12.35
	39	29.4	5.58	35.1	6.84	40.8	8.33	43.7	9.05	46.5	9.84	52.3	11.46	58.0	13.24
	41	28.6	6.06	34.2	7.48	39.8	9.05	42.6	9.88	45.3	10.68	50.9	12.57	56.5	14.39
	43	27.9	6.58	33.4	8.15	38.8	9.87	41.5	10.77	44.2	11.64	49.7	13.73	55.1	15.71
46	26.2	7.37	31.3	9.15	36.4	11.10	38.9	12.10	41.4	13.10	46.5	15.47	51.6	17.90	
48	23.1	6.42	27.7	7.98	32.2	9.69	34.4	10.57	36.7	11.45	41.2	13.53	45.7	15.66	
50	10	24.6	2.91	29.4	3.37	34.1	3.83	36.4	4.10	38.7	4.35	43.4	4.90	48.4	5.45
	12	24.6	2.94	29.4	3.40	34.1	3.89	36.4	4.16	38.7	4.44	43.4	4.99	48.4	5.54
	14	24.6	2.97	29.4	3.46	34.1	3.95	36.4	4.23	38.7	4.50	43.4	5.05	48.4	5.63
	16	24.6	3.03	29.4	3.52	34.1	4.01	36.4	4.32	38.7	4.56	43.4	5.14	48.4	5.73
	18	24.6	3.06	29.4	3.55	34.1	4.07	36.4	4.38	38.7	4.65	43.4	5.24	48.4	5.85
	20	24.6	3.09	29.4	3.61	34.1	4.16	36.4	4.44	38.7	4.75	43.4	5.33	48.4	5.97
	21	24.6	3.12	29.4	3.64	34.1	4.19	36.4	4.50	38.7	4.78	43.4	5.39	48.4	6.03
	23	24.6	3.18	29.4	3.71	34.1	4.26	36.4	4.56	38.7	4.87	43.4	5.48	48.4	6.15
	25	24.6	3.22	29.4	3.77	34.1	4.35	36.4	4.65	38.7	5.02	43.4	5.76	48.4	6.58
	27	24.6	3.28	29.4	3.89	34.1	4.59	36.4	4.96	38.7	5.33	43.4	6.15	48.4	7.01
	29	24.6	3.46	29.4	4.13	34.1	4.87	36.4	5.27	38.7	5.66	43.4	6.52	48.4	7.44
	31	24.6	3.64	29.4	4.38	34.1	5.17	36.4	5.57	38.7	6.03	43.4	6.95	48.4	7.93
	33	24.6	3.86	29.4	4.62	34.1	5.48	36.4	5.91	38.7	6.40	43.4	7.38	48.4	8.45
	35	24.6	4.07	29.4	4.90	34.1	5.79	36.4	6.28	38.7	6.77	43.4	7.81	48.4	8.97
	37	24.6	4.32	29.4	5.17	34.1	6.12	36.4	6.64	38.7	7.17	43.4	8.33	48.4	9.52
	39	24.6	4.61	29.4	5.55	34.1	6.56	36.4	7.15	38.7	7.69	43.4	8.87	48.4	10.29
	41	23.9	4.98	28.6	6.00	33.2	7.17	35.5	7.75	37.7	8.33	42.3	9.72	47.1	11.17
	43	23.3	5.41	27.9	6.53	32.4	7.81	34.6	8.43	36.8	9.07	41.3	10.60	46.0	12.18
46	21.9	6.06	26.2	7.33	30.3	8.76	32.4	9.47	34.5	10.18	38.7	11.93	43.1	13.72	
48	19.4	5.28	23.1	6.39	26.8	7.64	28.7	8.27	30.5	8.89	34.2	10.43	38.1	11.99	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## 7.1.2 2 Units Combination

### ◆ ARUN221BTE5

Cooling Capacity (22HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	56.3	6.01	67.1	7.34	71.9	8.52	73.9	8.70	76.1	8.77	79.7	8.84	81.8	8.87
	12	56.3	6.16	67.1	7.61	71.9	8.87	73.9	8.94	76.1	9.01	79.7	9.08	81.8	9.15
	14	56.3	6.37	67.1	7.88	71.9	9.20	73.9	9.27	76.1	9.35	79.7	9.42	81.8	9.51
	16	56.3	6.60	67.1	8.16	71.9	9.62	73.9	9.71	76.1	9.79	79.7	9.88	81.8	9.95
	18	56.3	6.87	67.1	8.63	71.9	10.06	73.9	10.28	76.1	10.36	79.7	10.47	81.8	10.54
	20	56.3	7.18	67.1	9.20	71.9	10.56	73.9	11.30	76.1	11.40	78.5	11.51	80.6	11.59
	21	56.3	7.37	67.1	9.52	71.9	10.78	73.9	11.96	76.1	12.06	78.1	12.18	80.1	12.27
	23	56.3	7.90	67.1	10.01	71.9	11.34	73.9	13.21	75.0	13.31	77.0	13.44	79.0	13.54
	25	56.3	8.44	67.1	10.59	71.9	12.12	73.1	14.65	73.9	14.76	76.1	14.91	78.1	15.01
	27	56.3	9.04	67.1	11.32	71.0	12.91	71.9	16.12	73.1	16.25	75.0	16.41	77.0	16.52
	29	56.3	9.63	67.1	12.10	69.8	13.89	70.8	17.72	71.9	17.82	73.9	17.98	76.1	18.05
	31	56.3	10.27	66.9	12.74	68.7	14.77	69.8	17.64	70.8	17.74	72.8	17.91	74.8	17.98
	33	56.3	10.95	65.7	13.51	67.8	15.85	68.9	17.48	69.8	17.58	71.9	17.74	73.7	17.81
	35	56.3	11.67	64.5	14.15	66.6	17.17	67.8	17.25	68.9	17.36	70.8	17.51	72.8	17.58
	37	56.3	12.45	63.6	14.84	65.7	16.94	66.6	17.03	67.8	17.13	69.6	17.27	71.7	17.34
	39	56.3	13.25	62.5	15.62	64.5	16.71	65.7	16.80	66.6	16.89	68.7	17.05	70.8	17.11
	41	54.8	14.06	59.9	16.40	62.0	16.49	62.9	16.57	64.1	16.66	66.0	16.82	67.8	16.89
	43	53.5	14.82	57.4	16.18	59.4	16.26	60.3	16.34	61.6	16.44	63.4	16.59	65.1	16.65
46	50.2	15.87	52.4	15.83	54.3	15.92	55.2	16.00	56.3	16.09	58.1	16.24	59.6	16.30	
48	44.4	15.43	45.5	15.48	47.1	15.50	47.9	15.55	49.0	15.69	50.6	15.78	51.9	15.85	
120	10	52.1	5.41	62.0	6.63	67.7	7.88	69.7	8.52	71.8	8.65	75.7	8.68	77.6	8.75
	12	52.1	5.55	62.0	6.86	67.7	8.19	69.7	8.70	71.8	8.97	75.7	9.08	77.6	9.15
	14	52.1	5.75	62.0	7.08	67.7	8.52	69.7	9.03	71.8	9.30	75.7	9.44	77.6	9.51
	16	52.1	5.95	62.0	7.38	67.7	8.85	69.7	9.36	71.8	9.73	75.7	9.84	77.6	9.93
	18	52.1	6.18	62.0	7.71	67.7	9.21	69.7	9.86	71.8	10.23	75.7	10.35	77.6	10.43
	20	52.1	6.42	62.0	8.18	67.7	9.70	69.7	10.38	71.8	10.78	75.7	10.92	77.6	11.00
	21	52.1	6.61	62.0	8.47	67.7	9.98	69.7	10.68	71.8	11.13	75.7	11.27	77.6	11.35
	23	52.1	7.07	62.0	9.06	67.7	10.69	69.7	11.35	71.8	11.86	75.7	11.98	77.6	12.08
	25	52.1	7.55	62.0	9.70	67.7	11.28	69.7	12.10	71.8	12.72	74.8	12.83	76.6	12.93
	27	52.1	8.07	62.0	10.38	67.7	12.00	69.7	12.92	71.8	13.66	73.7	13.76	75.5	13.87
	29	52.1	8.61	62.0	11.08	67.7	12.63	69.7	13.83	70.6	14.56	72.5	14.79	74.6	14.91
	31	52.1	9.17	62.0	11.84	67.7	13.28	68.8	14.82	69.7	15.62	71.5	15.90	73.4	16.04
	33	52.1	9.76	62.0	12.62	66.8	14.06	67.7	16.08	68.6	16.78	70.4	16.97	72.3	17.10
	35	52.1	10.38	62.0	13.45	65.6	14.87	66.5	17.72	67.7	17.81	69.5	17.86	71.3	18.00
	37	52.1	11.16	62.0	14.18	64.7	15.86	65.6	17.34	66.5	17.43	68.4	17.48	70.2	17.62
	39	52.1	12.01	61.8	15.00	63.6	16.82	64.5	16.99	65.4	17.08	67.5	17.12	69.3	17.26
	41	50.8	12.88	59.0	15.80	61.0	16.49	61.8	16.63	62.7	16.71	64.6	16.77	66.4	16.89
	43	49.5	13.74	56.5	15.57	58.5	16.12	59.4	16.28	60.3	16.35	62.0	16.40	63.8	16.54
46	46.4	14.77	51.5	15.21	53.4	15.61	54.2	15.74	55.0	15.81	56.7	15.86	58.3	15.99	
48	41.1	14.48	44.7	14.93	46.4	15.31	47.1	15.40	47.9	15.45	49.3	15.51	50.8	15.57	
110	10	47.7	4.86	56.8	5.93	63.5	7.05	65.3	7.62	69.5	8.21	71.0	8.43	75.9	8.57
	12	47.7	5.02	56.8	6.13	63.5	7.34	65.3	7.84	69.5	8.51	71.0	8.78	75.9	8.99
	14	47.7	5.17	56.8	6.41	63.5	7.67	65.3	8.23	69.5	8.94	71.0	9.20	75.9	9.39
	16	47.7	5.36	56.8	6.63	63.5	7.98	65.3	8.59	69.5	9.35	71.0	9.61	75.9	9.77
	18	47.7	5.55	56.8	6.91	63.5	8.44	65.3	9.04	69.5	9.86	71.0	10.06	75.9	10.25
	20	47.7	5.75	56.8	7.26	63.5	8.96	65.3	9.46	69.5	10.35	71.0	10.60	75.9	10.78
	21	47.7	5.88	56.8	7.48	63.5	9.18	65.3	9.71	69.5	10.64	71.0	10.90	75.9	11.07
	23	47.7	6.27	56.8	8.02	63.5	9.70	65.3	10.26	69.5	11.23	71.0	11.47	75.9	11.66
	25	47.7	6.70	56.8	8.55	63.5	10.24	65.3	10.83	69.5	11.87	71.0	12.04	74.9	12.29
	27	47.7	7.15	56.8	9.15	63.5	10.83	65.3	11.47	69.5	12.39	71.0	12.67	73.8	12.90
	29	47.7	7.64	56.8	9.76	63.5	11.44	65.3	12.15	69.5	13.10	71.0	13.33	72.8	13.52
	31	47.7	8.12	56.8	10.41	63.5	12.09	65.3	12.88	68.2	13.76	70.1	14.04	71.7	14.18
	33	47.7	8.66	56.8	11.08	63.5	12.77	65.3	13.64	67.3	14.53	69.0	14.77	70.8	14.86
	35	47.7	9.20	56.8	11.84	63.5	13.49	65.3	14.46	66.2	15.34	67.8	15.48	69.7	15.56
	37	47.7	9.75	56.8	12.55	63.5	14.24	64.4	15.31	65.1	16.18	66.9	16.23	68.5	16.28
	39	47.7	10.50	56.8	13.35	62.3	15.03	63.2	16.38	64.2	16.98	65.8	17.01	67.6	17.03
	41	46.4	11.27	55.4	14.13	59.6	15.85	60.5	17.72	61.4	17.72	63.2	17.86	64.7	18.00
	43	45.3	11.84	54.0	14.72	57.2	16.80	58.1	16.99	58.9	16.96	60.6	17.05	62.1	17.10
46	42.5	11.55	50.6	14.21	52.1	15.95	53.0	15.95	53.7	16.09	55.4	16.18	56.8	16.21	
48	37.6	11.22	44.0	13.69	45.3	15.17	46.2	15.27	46.7	15.35	48.2	15.39	49.5	15.45	

# 7. Capacity Tables

Cooling Capacity (22HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	41.6	4.38	49.5	5.33	57.6	6.32	61.6	6.82	65.6	7.33	72.6	8.16	74.3	8.23
	12	41.6	4.52	49.5	5.54	57.6	6.53	61.6	7.01	65.6	7.57	72.6	8.61	74.3	8.68
	14	41.6	4.67	49.5	5.76	57.6	6.80	61.6	7.31	65.6	7.90	72.6	9.08	74.3	9.17
	16	41.6	4.81	49.5	5.95	57.6	7.10	61.6	7.66	65.6	8.32	72.6	9.53	74.3	9.65
	18	41.6	4.95	49.5	6.18	57.6	7.37	61.6	8.04	65.6	8.82	72.6	10.06	74.3	10.14
	20	41.6	5.12	49.5	6.41	57.6	7.80	61.6	8.61	65.6	9.44	72.6	10.54	74.3	10.62
	21	41.6	5.23	49.5	6.56	57.6	8.07	61.6	8.90	65.6	9.79	72.6	10.78	74.3	10.87
	23	41.6	5.54	49.5	7.02	57.6	8.66	61.6	9.55	65.6	10.49	72.6	11.30	74.3	11.38
	25	41.6	5.89	49.5	7.48	57.6	9.25	61.6	10.22	65.6	11.21	72.6	11.77	73.7	11.87
	27	41.6	6.30	49.5	7.99	57.6	9.89	61.6	10.92	65.6	11.92	71.3	12.33	72.8	12.43
	29	41.6	6.70	49.5	8.52	57.6	10.57	61.6	11.67	65.6	12.62	70.0	12.83	71.7	12.93
	31	41.6	7.15	49.5	9.09	57.6	11.27	61.6	12.45	65.6	13.26	68.9	13.32	70.6	13.43
	33	41.6	7.58	49.5	9.68	57.6	12.03	61.6	13.28	65.6	13.76	67.8	13.82	69.5	13.92
	35	41.6	8.07	49.5	10.30	57.6	12.80	61.6	14.17	64.5	14.25	66.6	14.32	68.2	14.43
	37	41.6	8.64	49.5	11.04	57.6	13.56	61.6	14.84	63.5	14.92	65.3	14.98	66.9	15.12
	39	41.6	9.27	49.5	11.87	57.6	14.37	61.6	15.57	62.5	15.64	64.3	15.70	65.8	15.85
	41	40.9	9.89	48.7	12.69	56.7	15.17	59.1	16.30	60.4	16.37	61.8	16.42	63.8	16.58
	43	39.6	10.46	47.1	13.45	54.8	15.90	56.7	16.92	57.4	16.98	59.1	17.04	60.7	17.20
46	37.0	11.25	44.0	14.50	51.3	16.87	51.7	17.72	52.3	17.77	53.9	17.82	55.4	17.98	
48	32.8	9.72	39.0	12.55	44.3	14.42	44.9	15.03	45.5	15.08	46.9	15.12	48.2	15.24	
90	10	37.4	3.77	44.7	4.54	51.9	5.35	55.4	5.77	59.0	6.21	66.2	6.95	73.5	7.72
	12	37.4	3.82	44.7	4.61	51.9	5.44	55.4	5.88	59.0	6.35	66.2	7.09	73.5	7.86
	14	37.4	3.89	44.7	4.70	51.9	5.56	55.4	6.00	59.0	6.46	66.2	7.22	73.5	8.02
	16	37.4	3.96	44.7	4.80	51.9	5.67	55.4	6.12	59.0	6.57	66.2	7.36	73.5	8.16
	18	37.4	4.03	44.7	4.89	51.9	5.77	55.4	6.26	59.0	6.71	66.2	7.52	73.5	8.57
	20	37.4	4.10	44.7	4.98	51.9	5.88	55.4	6.37	59.0	6.97	66.2	8.05	73.5	8.98
	21	37.4	4.14	44.7	5.02	51.9	6.00	55.4	6.57	59.0	7.23	66.2	8.17	73.5	9.18
	23	37.4	4.24	44.7	5.23	51.9	6.42	55.4	7.06	59.0	7.74	66.2	8.67	72.4	9.62
	25	37.4	4.45	44.7	5.58	51.9	6.85	55.4	7.55	59.0	8.27	66.2	9.27	71.5	10.03
	27	37.4	4.75	44.7	5.95	51.9	7.32	55.4	8.06	59.0	8.85	66.2	9.86	70.4	10.50
	29	37.4	5.02	44.7	6.35	51.9	7.83	55.4	8.62	59.0	9.45	66.2	10.45	69.3	10.92
	31	37.4	5.35	44.7	6.76	51.9	8.34	55.4	9.18	59.0	10.07	66.2	10.97	68.2	11.35
	33	37.4	5.70	44.7	7.20	51.9	8.90	55.4	9.77	59.0	10.69	66.2	11.49	67.3	11.77
	35	37.4	6.05	44.7	7.65	51.9	9.45	55.4	10.42	59.0	11.33	65.1	12.15	66.2	12.43
	37	37.4	6.42	44.7	8.13	51.9	10.08	55.4	11.07	59.0	11.96	64.0	12.71	65.1	12.99
	39	37.4	6.80	44.7	8.64	51.9	10.66	55.4	11.78	59.0	12.57	63.0	13.40	64.1	13.56
	41	36.5	7.60	43.5	9.58	50.6	11.70	54.1	12.88	57.4	13.58	60.3	14.12	61.4	14.44
	43	35.6	8.21	42.4	10.36	49.3	12.78	52.6	13.87	56.1	14.55	57.9	15.12	58.9	15.30
46	33.3	9.23	39.8	11.80	46.2	14.57	49.3	15.73	50.9	16.17	52.8	16.60	53.9	16.62	
48	29.5	8.07	35.2	10.32	40.9	12.74	43.7	13.72	44.2	13.94	45.9	14.29	46.8	14.31	
80	10	33.2	3.25	39.6	3.91	46.0	4.59	49.3	4.95	52.6	5.32	59.0	6.06	65.3	6.58
	12	33.2	3.32	39.6	3.96	46.0	4.68	49.3	5.04	52.6	5.40	59.0	6.17	65.3	6.71
	14	33.2	3.37	39.6	4.05	46.0	4.75	49.3	5.13	52.6	5.49	59.0	6.29	65.3	6.84
	16	33.2	3.41	39.6	4.12	46.0	4.83	49.3	5.23	52.6	5.61	59.0	6.42	65.3	6.97
	18	33.2	3.48	39.6	4.19	46.0	4.93	49.3	5.32	52.6	5.72	59.0	6.53	65.3	7.12
	20	33.2	3.55	39.6	4.27	46.0	5.04	49.3	5.42	52.6	5.84	59.0	6.78	65.3	7.54
	21	33.2	3.58	39.6	4.31	46.0	5.09	49.3	5.49	52.6	5.96	59.0	7.00	65.3	7.75
	23	33.2	3.64	39.6	4.38	46.0	5.32	49.3	5.84	52.6	6.38	59.0	7.39	65.3	8.13
	25	33.2	3.77	39.6	4.68	46.0	5.70	49.3	6.24	52.6	6.83	59.0	7.91	65.3	8.69
	27	33.2	4.00	39.6	4.97	46.0	6.08	49.3	6.67	52.6	7.28	59.0	8.40	65.3	9.14
	29	33.2	4.26	39.6	5.32	46.0	6.47	49.3	7.10	52.6	7.78	59.0	9.00	65.3	9.79
	31	33.2	4.52	39.6	5.63	46.0	6.90	49.3	7.58	52.6	8.27	59.0	9.56	65.3	10.27
	33	33.2	4.80	39.6	6.01	46.0	7.35	49.3	8.07	52.6	8.81	59.0	10.06	65.3	10.78
	35	33.2	5.09	39.6	6.38	46.0	7.82	49.3	8.59	52.6	9.40	59.0	10.67	64.7	11.16
	37	33.2	5.39	39.6	6.78	46.0	8.29	49.3	9.14	52.6	9.99	59.0	11.26	63.6	11.68
	39	33.2	5.69	39.6	7.16	46.0	8.88	49.3	9.82	52.6	10.74	59.0	11.90	62.5	12.32
	41	32.4	6.29	38.5	7.94	44.8	9.75	48.0	10.76	51.2	11.80	57.4	13.24	59.9	13.65
	43	31.5	6.93	37.6	8.67	43.7	10.64	46.8	11.73	50.0	12.90	56.1	14.17	57.4	14.61
46	29.5	7.70	35.2	9.77	40.9	11.98	43.8	13.05	46.8	14.55	51.2	15.47	52.4	15.71	
48	26.2	6.73	31.2	8.53	36.3	10.48	38.8	11.40	41.4	12.74	44.5	13.39	45.6	13.52	

# 7. Capacity Tables

Cooling Capacity (22HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	29.0	2.94	34.8	3.49	40.3	4.05	43.1	4.38	46.0	4.68	51.5	5.33	57.2	5.96
	12	29.0	2.99	34.8	3.54	40.3	4.15	43.1	4.45	46.0	4.78	51.5	5.42	57.2	6.07
	14	29.0	3.04	34.8	3.59	40.3	4.22	43.1	4.52	46.0	4.85	51.5	5.54	57.2	6.18
	16	29.0	3.08	34.8	3.66	40.3	4.29	43.1	4.61	46.0	4.93	51.5	5.63	57.2	6.32
	18	29.0	3.13	34.8	3.73	40.3	4.38	43.1	4.71	46.0	5.02	51.5	5.72	57.2	6.43
	20	29.0	3.18	34.8	3.80	40.3	4.45	43.1	4.80	46.0	5.14	51.5	5.86	57.2	6.67
	21	29.0	3.22	34.8	3.82	40.3	4.50	43.1	4.85	46.0	5.19	51.5	5.96	57.2	6.81
	23	29.0	3.27	34.8	3.91	40.3	4.59	43.1	5.00	46.0	5.44	51.5	6.37	57.2	7.19
	25	29.0	3.32	34.8	4.05	40.3	4.88	43.1	5.35	46.0	5.82	51.5	6.81	57.2	7.54
	27	29.0	3.49	34.8	4.33	40.3	5.21	43.1	5.68	46.0	6.21	51.5	7.28	57.2	8.01
	29	29.0	3.73	34.8	4.59	40.3	5.54	43.1	6.05	46.0	6.60	51.5	7.76	57.2	8.59
	31	29.0	3.96	34.8	4.88	40.3	5.91	43.1	6.46	46.0	7.04	51.5	8.27	57.2	9.12
	33	29.0	4.19	34.8	5.16	40.3	6.27	43.1	6.86	46.0	7.49	51.5	8.81	57.2	9.70
	35	29.0	4.43	34.8	5.51	40.3	6.67	43.1	7.30	46.0	7.97	51.5	9.38	57.2	10.29
	37	29.0	4.71	34.8	5.84	40.3	7.09	43.1	7.76	46.0	8.48	51.5	9.99	57.2	10.86
	39	29.0	4.99	34.8	6.22	40.3	7.58	43.1	8.35	46.0	9.16	51.5	10.69	57.2	11.71
	41	28.3	5.52	33.9	6.83	39.2	8.32	42.0	9.16	44.8	9.96	50.2	11.73	55.7	12.63
	43	27.6	6.01	33.0	7.44	38.3	9.07	41.0	9.99	43.7	10.88	48.9	12.82	54.3	13.65
46	25.9	6.67	31.0	8.36	35.9	10.22	38.4	11.12	40.9	12.25	45.8	14.46	51.0	15.22	
48	22.9	5.82	27.3	7.30	31.7	8.93	33.9	9.72	36.3	10.72	40.5	12.65	45.1	13.17	
60	10	24.9	2.61	29.7	3.06	34.5	3.56	37.0	3.82	39.4	4.06	44.2	4.60	49.1	5.14
	12	24.9	2.66	29.7	3.11	34.5	3.61	37.0	3.87	39.4	4.13	44.2	4.67	49.1	5.24
	14	24.9	2.68	29.7	3.16	34.5	3.68	37.0	3.94	39.4	4.20	44.2	4.76	49.1	5.33
	16	24.9	2.73	29.7	3.23	34.5	3.72	37.0	4.01	39.4	4.29	44.2	4.86	49.1	5.43
	18	24.9	2.78	29.7	3.27	34.5	3.79	37.0	4.08	39.4	4.36	44.2	4.93	49.1	5.56
	20	24.9	2.83	29.7	3.32	34.5	3.87	37.0	4.15	39.4	4.43	44.2	5.03	49.1	5.67
	21	24.9	2.85	29.7	3.35	34.5	3.91	37.0	4.20	39.4	4.48	44.2	5.10	49.1	5.72
	23	24.9	2.90	29.7	3.42	34.5	3.96	37.0	4.27	39.4	4.58	44.2	5.29	49.1	6.08
	25	24.9	2.94	29.7	3.49	34.5	4.13	37.0	4.48	39.4	4.86	44.2	5.65	49.1	6.50
	27	24.9	3.04	29.7	3.68	34.5	4.39	37.0	4.76	39.4	5.17	44.2	6.00	49.1	6.93
	29	24.9	3.23	29.7	3.91	34.5	4.67	37.0	5.07	39.4	5.51	44.2	6.41	49.1	7.40
	31	24.9	3.42	29.7	4.15	34.5	4.95	37.0	5.40	39.4	5.86	44.2	6.83	49.1	7.87
	33	24.9	3.61	29.7	4.39	34.5	5.26	37.0	5.74	39.4	6.24	44.2	7.26	49.1	8.39
	35	24.9	3.82	29.7	4.67	34.5	5.60	37.0	6.10	39.4	6.62	44.2	7.73	49.1	8.91
	37	24.9	4.03	29.7	4.93	34.5	5.93	37.0	6.48	39.4	7.02	44.2	8.20	49.1	9.49
	39	24.9	4.29	29.7	5.25	34.5	6.40	37.0	6.95	39.4	7.56	44.2	8.80	49.1	10.16
	41	24.2	4.65	29.0	5.75	33.7	6.95	36.0	7.59	38.3	8.20	43.1	9.66	47.8	11.05
	43	23.6	5.05	28.2	6.25	32.8	7.58	35.2	8.27	37.4	8.95	42.0	10.54	46.6	12.07
46	22.2	5.66	26.4	7.02	30.8	8.53	33.0	9.29	35.0	10.06	39.4	11.88	43.7	13.75	
48	19.6	4.93	23.4	6.13	27.2	7.45	29.1	8.12	31.0	8.79	34.8	10.39	38.7	12.03	
50	10	20.8	2.31	24.9	2.67	28.8	3.04	30.8	3.25	32.8	3.44	36.7	3.89	40.9	4.32
	12	20.8	2.33	24.9	2.69	28.8	3.09	30.8	3.30	32.8	3.52	36.7	3.96	40.9	4.39
	14	20.8	2.36	24.9	2.74	28.8	3.13	30.8	3.35	32.8	3.56	36.7	4.01	40.9	4.46
	16	20.8	2.40	24.9	2.79	28.8	3.18	30.8	3.42	32.8	3.61	36.7	4.08	40.9	4.54
	18	20.8	2.43	24.9	2.81	28.8	3.23	30.8	3.47	32.8	3.69	36.7	4.15	40.9	4.64
	20	20.8	2.45	24.9	2.86	28.8	3.30	30.8	3.52	32.8	3.77	36.7	4.22	40.9	4.74
	21	20.8	2.48	24.9	2.89	28.8	3.33	30.8	3.56	32.8	3.79	36.7	4.27	40.9	4.78
	23	20.8	2.52	24.9	2.94	28.8	3.37	30.8	3.61	32.8	3.86	36.7	4.34	40.9	4.88
	25	20.8	2.55	24.9	2.99	28.8	3.44	30.8	3.69	32.8	3.98	36.7	4.57	40.9	5.22
	27	20.8	2.60	24.9	3.09	28.8	3.64	30.8	3.93	32.8	4.22	36.7	4.88	40.9	5.56
	29	20.8	2.74	24.9	3.28	28.8	3.86	30.8	4.17	32.8	4.49	36.7	5.17	40.9	5.90
	31	20.8	2.89	24.9	3.47	28.8	4.10	30.8	4.41	32.8	4.78	36.7	5.51	40.9	6.29
	33	20.8	3.06	24.9	3.66	28.8	4.34	30.8	4.69	32.8	5.07	36.7	5.85	40.9	6.70
	35	20.8	3.23	24.9	3.89	28.8	4.59	30.8	4.98	32.8	5.37	36.7	6.19	40.9	7.12
	37	20.8	3.42	24.9	4.10	28.8	4.86	30.8	5.26	32.8	5.68	36.7	6.60	40.9	7.55
	39	20.8	3.65	24.9	4.40	28.8	5.21	30.8	5.68	32.8	6.10	36.7	7.03	40.9	8.16
	41	20.2	3.94	24.2	4.76	28.1	5.69	30.0	6.14	31.9	6.60	35.8	7.71	39.8	8.86
	43	19.8	4.29	23.6	5.18	27.3	6.18	29.3	6.69	31.2	7.19	34.9	8.41	38.9	9.66
46	18.5	4.81	22.2	5.80	25.7	6.94	27.5	7.51	29.2	8.07	32.7	9.46	36.5	10.87	
48	16.3	4.19	19.6	5.07	22.7	6.06	24.2	6.55	25.8	7.05	29.0	8.27	32.3	9.50	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

◆ ARUN241BTE5

Cooling Capacity (24HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	61.4	6.92	73.2	8.46	78.4	9.82	80.6	10.02	83.0	10.10	87.0	10.18	89.2	10.22
	12	61.4	7.10	73.2	8.76	78.4	10.22	80.6	10.30	83.0	10.38	87.0	10.46	89.2	10.54
	14	61.4	7.34	73.2	9.08	78.4	10.60	80.6	10.68	83.0	10.78	87.0	10.86	89.2	10.96
	16	61.4	7.60	73.2	9.40	78.4	11.08	80.6	11.18	83.0	11.28	87.0	11.38	89.2	11.46
	18	61.4	7.92	73.2	9.94	78.4	11.60	80.6	11.84	83.0	11.94	87.0	12.06	89.2	12.14
	20	61.4	8.28	73.2	10.60	78.4	12.16	80.6	13.02	83.0	13.14	85.6	13.26	88.0	13.36
	21	61.4	8.50	73.2	10.96	78.4	12.42	80.6	13.78	83.0	13.90	85.2	14.04	87.4	14.14
	23	61.4	9.10	73.2	11.54	78.4	13.06	80.6	15.22	81.8	15.34	84.0	15.48	86.2	15.60
	25	61.4	9.72	73.2	12.20	78.4	13.96	79.8	16.88	80.6	17.00	83.0	17.18	85.2	17.30
	27	61.4	10.42	73.2	13.04	77.4	14.88	78.4	18.58	79.8	18.72	81.8	18.90	84.0	19.04
	29	61.4	11.10	73.2	13.94	76.2	16.00	77.2	20.42	78.4	20.54	80.6	20.72	83.0	20.80
	31	61.4	11.84	73.0	14.68	75.0	17.02	76.2	20.32	77.2	20.44	79.4	20.64	81.6	20.72
	33	61.4	12.62	71.6	15.56	74.0	18.26	75.2	20.14	76.2	20.26	78.4	20.44	80.4	20.52
	35	61.4	13.44	70.4	16.30	72.6	19.78	74.0	19.88	75.2	20.00	77.2	20.18	79.4	20.26
	37	61.4	14.34	69.4	17.10	71.6	19.52	72.6	19.62	74.0	19.74	76.0	19.90	78.2	19.98
	39	61.4	15.26	68.2	18.00	70.4	19.26	71.6	19.36	72.6	19.46	75.0	19.64	77.2	19.72
	41	59.8	16.20	65.4	18.90	67.6	19.00	68.6	19.10	70.0	19.20	72.0	19.38	74.0	19.46
	43	58.4	17.08	62.6	18.64	64.8	18.74	65.8	18.82	67.2	18.94	69.2	19.12	71.0	19.18
46	54.8	18.28	57.2	18.24	59.2	18.34	60.2	18.44	61.4	18.54	63.4	18.72	65.0	18.78	
48	48.4	17.78	49.6	17.84	51.4	17.86	52.2	17.92	53.4	18.08	55.2	18.18	56.6	18.26	
120	10	56.8	6.24	67.6	7.64	73.8	9.08	76.0	9.82	78.4	9.96	82.6	10.00	84.6	10.08
	12	56.8	6.40	67.6	7.90	73.8	9.44	76.0	10.02	78.4	10.34	82.6	10.46	84.6	10.54
	14	56.8	6.62	67.6	8.16	73.8	9.82	76.0	10.40	78.4	10.72	82.6	10.88	84.6	10.96
	16	56.8	6.86	67.6	8.50	73.8	10.20	76.0	10.78	78.4	11.22	82.6	11.34	84.6	11.44
	18	56.8	7.12	67.6	8.88	73.8	10.62	76.0	11.36	78.4	11.78	82.6	11.92	84.6	12.02
	20	56.8	7.40	67.6	9.42	73.8	11.18	76.0	11.96	78.4	12.42	82.6	12.58	84.6	12.68
	21	56.8	7.62	67.6	9.76	73.8	11.50	76.0	12.30	78.4	12.82	82.6	12.98	84.6	13.08
	23	56.8	8.14	67.6	10.44	73.8	12.32	76.0	13.08	78.4	13.66	82.6	13.80	84.6	13.92
	25	56.8	8.70	67.6	11.18	73.8	13.00	76.0	13.94	78.4	14.66	81.6	14.78	83.6	14.90
	27	56.8	9.30	67.6	11.96	73.8	13.82	76.0	14.88	78.4	15.74	80.4	15.86	82.4	15.98
	29	56.8	9.92	67.6	12.76	73.8	14.56	76.0	15.94	77.0	16.78	79.0	17.04	81.4	17.18
	31	56.8	10.56	67.6	13.64	73.8	15.30	75.0	17.08	76.0	18.00	78.0	18.32	80.0	18.48
	33	56.8	11.24	67.6	14.54	72.8	16.20	73.8	18.52	74.8	19.34	76.8	19.56	78.8	19.70
	35	56.8	11.96	67.6	15.50	71.6	17.14	72.6	20.42	73.8	20.52	75.8	20.58	77.8	20.74
	37	56.8	12.86	67.6	16.34	70.6	18.28	71.6	19.98	72.6	20.08	74.6	20.14	76.6	20.30
	39	56.8	13.84	67.4	17.28	69.4	19.38	70.4	19.58	71.4	19.68	73.6	19.72	75.6	19.88
	41	55.4	14.84	64.4	18.20	66.6	19.00	67.4	19.16	68.4	19.26	70.4	19.32	72.4	19.46
	43	54.0	15.84	61.6	17.94	63.8	18.58	64.8	18.76	65.8	18.84	67.6	18.90	69.6	19.06
46	50.6	17.02	56.2	17.52	58.2	17.98	59.2	18.14	60.0	18.22	61.8	18.28	63.6	18.42	
48	44.8	16.68	48.8	17.20	50.6	17.64	51.4	17.74	52.2	17.80	53.8	17.88	55.4	17.94	
110	10	52.0	5.60	62.0	6.84	69.2	8.12	71.2	8.78	75.8	9.46	77.4	9.72	82.8	9.88
	12	52.0	5.78	62.0	7.06	69.2	8.46	71.2	9.04	75.8	9.80	77.4	10.12	82.8	10.36
	14	52.0	5.96	62.0	7.38	69.2	8.84	71.2	9.48	75.8	10.30	77.4	10.60	82.8	10.82
	16	52.0	6.18	62.0	7.64	69.2	9.20	71.2	9.90	75.8	10.78	77.4	11.08	82.8	11.26
	18	52.0	6.40	62.0	7.96	69.2	9.72	71.2	10.42	75.8	11.36	77.4	11.60	82.8	11.82
	20	52.0	6.62	62.0	8.36	69.2	10.32	71.2	10.90	75.8	11.92	77.4	12.22	82.8	12.42
	21	52.0	6.78	62.0	8.62	69.2	10.58	71.2	11.18	75.8	12.26	77.4	12.56	82.8	12.76
	23	52.0	7.22	62.0	9.24	69.2	11.18	71.2	11.82	75.8	12.94	77.4	13.22	82.8	13.44
	25	52.0	7.72	62.0	9.86	69.2	11.80	71.2	12.48	75.8	13.68	77.4	13.88	81.8	14.16
	27	52.0	8.24	62.0	10.54	69.2	12.48	71.2	13.22	75.8	14.28	77.4	14.60	80.6	14.86
	29	52.0	8.80	62.0	11.24	69.2	13.18	71.2	14.00	75.8	15.10	77.4	15.36	79.4	15.58
	31	52.0	9.36	62.0	12.00	69.2	13.94	71.2	14.84	74.4	15.86	76.4	16.18	78.2	16.34
	33	52.0	9.98	62.0	12.76	69.2	14.72	71.2	15.72	73.4	16.74	75.2	17.02	77.2	17.12
	35	52.0	10.60	62.0	13.64	69.2	15.54	71.2	16.66	72.2	17.68	74.0	17.84	76.0	17.92
	37	52.0	11.24	62.0	14.46	69.2	16.40	70.2	17.64	71.0	18.64	73.0	18.70	74.8	18.76
	39	52.0	12.10	62.0	15.38	68.0	17.32	69.0	18.88	70.0	19.56	71.8	19.60	73.8	19.62
	41	50.6	12.98	60.4	16.28	65.0	18.26	66.0	20.42	67.0	20.42	69.0	20.58	70.6	20.74
	43	49.4	13.64	59.0	16.96	62.4	19.36	63.4	19.58	64.2	19.54	66.2	19.64	67.8	19.70
46	46.4	13.30	55.2	16.38	56.8	18.38	57.8	18.38	58.6	18.54	60.4	18.64	62.0	18.68	
48	41.0	12.92	48.0	15.78	49.4	17.48	50.4	17.60	51.0	17.68	52.6	17.74	54.0	17.80	

# 7. Capacity Tables

Cooling Capacity (24HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	45.4	5.04	54.0	6.14	62.8	7.28	67.2	7.86	71.6	8.44	79.2	9.40	81.0	9.48
	12	45.4	5.20	54.0	6.38	62.8	7.52	67.2	8.08	71.6	8.72	79.2	9.92	81.0	10.00
	14	45.4	5.38	54.0	6.64	62.8	7.84	67.2	8.42	71.6	9.10	79.2	10.46	81.0	10.56
	16	45.4	5.54	54.0	6.86	62.8	8.18	67.2	8.82	71.6	9.58	79.2	10.98	81.0	11.12
	18	45.4	5.70	54.0	7.12	62.8	8.50	67.2	9.26	71.6	10.16	79.2	11.60	81.0	11.68
	20	45.4	5.90	54.0	7.38	62.8	8.98	67.2	9.92	71.6	10.88	79.2	12.14	81.0	12.24
	21	45.4	6.02	54.0	7.56	62.8	9.30	67.2	10.26	71.6	11.28	79.2	12.42	81.0	12.52
	23	45.4	6.38	54.0	8.08	62.8	9.98	67.2	11.00	71.6	12.08	79.2	13.02	81.0	13.12
	25	45.4	6.78	54.0	8.62	62.8	10.66	67.2	11.78	71.6	12.92	79.2	13.56	80.4	13.68
	27	45.4	7.26	54.0	9.20	62.8	11.40	67.2	12.58	71.6	13.74	77.8	14.20	79.4	14.32
	29	45.4	7.72	54.0	9.82	62.8	12.18	67.2	13.44	71.6	14.54	76.4	14.78	78.2	14.90
	31	45.4	8.24	54.0	10.48	62.8	12.98	67.2	14.34	71.6	15.28	75.2	15.34	77.0	15.48
	33	45.4	8.74	54.0	11.16	62.8	13.86	67.2	15.30	71.6	15.86	74.0	15.92	75.8	16.04
	35	45.4	9.30	54.0	11.86	62.8	14.74	67.2	16.32	70.4	16.42	72.6	16.50	74.4	16.62
	37	45.4	9.96	54.0	12.72	62.8	15.62	67.2	17.10	69.2	17.20	71.2	17.26	73.0	17.42
	39	45.4	10.68	54.0	13.68	62.8	16.56	67.2	17.94	68.2	18.02	70.2	18.10	71.8	18.26
	41	44.6	11.40	53.2	14.62	61.8	17.48	64.4	18.78	65.8	18.86	67.4	18.92	69.6	19.10
	43	43.2	12.06	51.4	15.50	59.8	18.32	61.8	19.50	62.6	19.56	64.4	19.64	66.2	19.82
46	40.4	12.96	48.0	16.70	56.0	19.44	56.4	20.42	57.0	20.48	58.8	20.54	60.4	20.72	
48	35.8	11.20	42.6	14.46	48.4	16.62	49.0	17.32	49.6	17.38	51.2	17.42	52.6	17.56	
90	10	40.8	4.34	48.8	5.22	56.6	6.16	60.4	6.64	64.4	7.14	72.2	8.00	80.2	8.88
	12	40.8	4.40	48.8	5.30	56.6	6.26	60.4	6.76	64.4	7.30	72.2	8.16	80.2	9.04
	14	40.8	4.48	48.8	5.40	56.6	6.40	60.4	6.90	64.4	7.44	72.2	8.30	80.2	9.22
	16	40.8	4.56	48.8	5.52	56.6	6.52	60.4	7.04	64.4	7.56	72.2	8.46	80.2	9.38
	18	40.8	4.64	48.8	5.62	56.6	6.64	60.4	7.20	64.4	7.72	72.2	8.66	80.2	9.86
	20	40.8	4.72	48.8	5.72	56.6	6.76	60.4	7.32	64.4	8.02	72.2	9.26	80.2	10.34
	21	40.8	4.76	48.8	5.78	56.6	6.90	60.4	7.56	64.4	8.32	72.2	9.40	80.2	10.56
	23	40.8	4.88	48.8	6.02	56.6	7.38	60.4	8.12	64.4	8.90	72.2	9.98	79.0	11.06
	25	40.8	5.12	48.8	6.42	56.6	7.88	60.4	8.68	64.4	9.52	72.2	10.66	78.0	11.54
	27	40.8	5.46	48.8	6.84	56.6	8.42	60.4	9.28	64.4	10.18	72.2	11.34	76.8	12.08
	29	40.8	5.78	48.8	7.30	56.6	9.00	60.4	9.92	64.4	10.88	72.2	12.02	75.6	12.56
	31	40.8	6.16	48.8	7.78	56.6	9.60	60.4	10.56	64.4	11.58	72.2	12.62	74.4	13.06
	33	40.8	6.56	48.8	8.28	56.6	10.24	60.4	11.24	64.4	12.30	72.2	13.22	73.4	13.54
	35	40.8	6.96	48.8	8.80	56.6	10.88	60.4	11.98	64.4	13.04	71.0	13.98	72.2	14.30
	37	40.8	7.38	48.8	9.36	56.6	11.60	60.4	12.74	64.4	13.76	69.8	14.62	71.0	14.94
	39	40.8	7.82	48.8	9.94	56.6	12.26	60.4	13.56	64.4	14.46	68.8	15.42	70.0	15.60
	41	39.8	8.74	47.4	11.02	55.2	13.46	59.0	14.82	62.6	15.62	65.8	16.24	67.0	16.62
	43	38.8	9.44	46.2	11.92	53.8	14.70	57.4	15.96	61.2	16.74	63.2	17.40	64.2	17.60
46	36.4	10.62	43.4	13.58	50.4	16.76	53.8	18.10	55.6	18.60	57.6	19.10	58.8	19.12	
48	32.2	9.28	38.4	11.88	44.6	14.66	47.6	15.78	48.2	16.04	50.0	16.44	51.0	16.46	
80	10	36.2	3.74	43.2	4.50	50.2	5.28	53.8	5.70	57.4	6.12	64.4	6.98	71.2	7.58
	12	36.2	3.82	43.2	4.56	50.2	5.38	53.8	5.80	57.4	6.22	64.4	7.10	71.2	7.72
	14	36.2	3.88	43.2	4.66	50.2	5.46	53.8	5.90	57.4	6.32	64.4	7.24	71.2	7.88
	16	36.2	3.92	43.2	4.74	50.2	5.56	53.8	6.02	57.4	6.46	64.4	7.38	71.2	8.02
	18	36.2	4.00	43.2	4.82	50.2	5.68	53.8	6.12	57.4	6.58	64.4	7.52	71.2	8.20
	20	36.2	4.08	43.2	4.92	50.2	5.80	53.8	6.24	57.4	6.72	64.4	7.80	71.2	8.68
	21	36.2	4.12	43.2	4.96	50.2	5.86	53.8	6.32	57.4	6.86	64.4	8.06	71.2	8.92
	23	36.2	4.18	43.2	5.04	50.2	6.12	53.8	6.72	57.4	7.34	64.4	8.50	71.2	9.36
	25	36.2	4.34	43.2	5.38	50.2	6.56	53.8	7.18	57.4	7.86	64.4	9.10	71.2	10.00
	27	36.2	4.60	43.2	5.72	50.2	7.00	53.8	7.68	57.4	8.38	64.4	9.66	71.2	10.52
	29	36.2	4.90	43.2	6.12	50.2	7.44	53.8	8.18	57.4	8.96	64.4	10.36	71.2	11.26
	31	36.2	5.20	43.2	6.48	50.2	7.94	53.8	8.72	57.4	9.52	64.4	11.00	71.2	11.82
	33	36.2	5.52	43.2	6.92	50.2	8.46	53.8	9.28	57.4	10.14	64.4	11.58	71.2	12.40
	35	36.2	5.86	43.2	7.34	50.2	9.00	53.8	9.88	57.4	10.82	64.4	12.28	70.6	12.84
	37	36.2	6.20	43.2	7.80	50.2	9.54	53.8	10.52	57.4	11.50	64.4	12.96	69.4	13.44
	39	36.2	6.54	43.2	8.24	50.2	10.22	53.8	11.30	57.4	12.36	64.4	13.70	68.2	14.18
	41	35.4	7.24	42.0	9.14	48.8	11.22	52.4	12.38	55.8	13.58	62.6	15.24	65.4	15.70
	43	34.4	7.98	41.0	9.98	47.6	12.24	51.0	13.50	54.6	14.84	61.2	16.30	62.6	16.82
46	32.2	8.86	38.4	11.24	44.6	13.78	47.8	15.02	51.0	16.74	55.8	17.80	57.2	18.08	
48	28.6	7.74	34.0	9.82	39.6	12.06	42.4	13.12	45.2	14.66	48.6	15.40	49.8	15.56	

## 7. Capacity Tables

Cooling Capacity (24HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	31.6	3.38	38.0	4.02	44.0	4.66	47.0	5.04	50.2	5.38	56.2	6.14	62.4	6.86
	12	31.6	3.44	38.0	4.08	44.0	4.78	47.0	5.12	50.2	5.50	56.2	6.24	62.4	6.98
	14	31.6	3.50	38.0	4.14	44.0	4.86	47.0	5.20	50.2	5.58	56.2	6.38	62.4	7.12
	16	31.6	3.54	38.0	4.22	44.0	4.94	47.0	5.30	50.2	5.68	56.2	6.48	62.4	7.28
	18	31.6	3.60	38.0	4.30	44.0	5.04	47.0	5.42	50.2	5.78	56.2	6.58	62.4	7.40
	20	31.6	3.66	38.0	4.38	44.0	5.12	47.0	5.52	50.2	5.92	56.2	6.74	62.4	7.68
	21	31.6	3.70	38.0	4.40	44.0	5.18	47.0	5.58	50.2	5.98	56.2	6.86	62.4	7.84
	23	31.6	3.76	38.0	4.50	44.0	5.28	47.0	5.76	50.2	6.26	56.2	7.34	62.4	8.28
	25	31.6	3.82	38.0	4.66	44.0	5.62	47.0	6.16	50.2	6.70	56.2	7.84	62.4	8.68
	27	31.6	4.02	38.0	4.98	44.0	6.00	47.0	6.54	50.2	7.14	56.2	8.38	62.4	9.22
	29	31.6	4.30	38.0	5.28	44.0	6.38	47.0	6.96	50.2	7.60	56.2	8.94	62.4	9.88
	31	31.6	4.56	38.0	5.62	44.0	6.80	47.0	7.44	50.2	8.10	56.2	9.52	62.4	10.50
	33	31.6	4.82	38.0	5.94	44.0	7.22	47.0	7.90	50.2	8.62	56.2	10.14	62.4	11.16
	35	31.6	5.10	38.0	6.34	44.0	7.68	47.0	8.40	50.2	9.18	56.2	10.80	62.4	11.84
	37	31.6	5.42	38.0	6.72	44.0	8.16	47.0	8.94	50.2	9.76	56.2	11.50	62.4	12.50
	39	31.6	5.74	38.0	7.16	44.0	8.72	47.0	9.62	50.2	10.54	56.2	12.30	62.4	13.48
	41	30.8	6.36	37.0	7.86	42.8	9.58	45.8	10.54	48.8	11.46	54.8	13.50	60.8	14.54
43	30.2	6.92	36.0	8.56	41.8	10.44	44.8	11.50	47.6	12.52	53.4	14.76	59.2	15.72	
46	28.2	7.68	33.8	9.62	39.2	11.76	41.8	12.80	44.6	14.10	50.0	16.64	55.6	17.52	
48	25.0	6.70	29.8	8.40	34.6	10.28	37.0	11.18	39.6	12.34	44.2	14.56	49.2	15.16	
60	10	27.2	3.00	32.4	3.52	37.6	4.10	40.4	4.40	43.0	4.68	48.2	5.30	53.6	5.92
	12	27.2	3.06	32.4	3.58	37.6	4.16	40.4	4.46	43.0	4.76	48.2	5.38	53.6	6.04
	14	27.2	3.08	32.4	3.64	37.6	4.24	40.4	4.54	43.0	4.84	48.2	5.48	53.6	6.14
	16	27.2	3.14	32.4	3.72	37.6	4.28	40.4	4.62	43.0	4.94	48.2	5.60	53.6	6.26
	18	27.2	3.20	32.4	3.76	37.6	4.36	40.4	4.70	43.0	5.02	48.2	5.68	53.6	6.40
	20	27.2	3.26	32.4	3.82	37.6	4.46	40.4	4.78	43.0	5.10	48.2	5.80	53.6	6.52
	21	27.2	3.28	32.4	3.86	37.6	4.50	40.4	4.84	43.0	5.16	48.2	5.88	53.6	6.58
	23	27.2	3.34	32.4	3.94	37.6	4.56	40.4	4.92	43.0	5.28	48.2	6.10	53.6	7.00
	25	27.2	3.38	32.4	4.02	37.6	4.76	40.4	5.16	43.0	5.60	48.2	6.50	53.6	7.48
	27	27.2	3.50	32.4	4.24	37.6	5.06	40.4	5.48	43.0	5.96	48.2	6.90	53.6	7.98
	29	27.2	3.72	32.4	4.50	37.6	5.38	40.4	5.84	43.0	6.34	48.2	7.38	53.6	8.52
	31	27.2	3.94	32.4	4.78	37.6	5.70	40.4	6.22	43.0	6.74	48.2	7.86	53.6	9.06
	33	27.2	4.16	32.4	5.06	37.6	6.06	40.4	6.60	43.0	7.18	48.2	8.36	53.6	9.66
	35	27.2	4.40	32.4	5.38	37.6	6.44	40.4	7.02	43.0	7.62	48.2	8.90	53.6	10.26
	37	27.2	4.64	32.4	5.68	37.6	6.82	40.4	7.46	43.0	8.08	48.2	9.44	53.6	10.92
	39	27.2	4.94	32.4	6.04	37.6	7.36	40.4	8.00	43.0	8.70	48.2	10.14	53.6	11.70
	41	26.4	5.36	31.6	6.62	36.8	8.00	39.2	8.74	41.8	9.44	47.0	11.12	52.2	12.72
43	25.8	5.82	30.8	7.20	35.8	8.72	38.4	9.52	40.8	10.30	45.8	12.14	50.8	13.90	
46	24.2	6.52	28.8	8.08	33.6	9.82	36.0	10.70	38.2	11.58	43.0	13.68	47.6	15.84	
48	21.4	5.68	25.6	7.06	29.6	8.58	31.8	9.34	33.8	10.12	38.0	11.96	42.2	13.86	
50	10	22.6	2.66	27.2	3.08	31.4	3.50	33.6	3.74	35.8	3.96	40.0	4.48	44.6	4.98
	12	22.6	2.68	27.2	3.10	31.4	3.56	33.6	3.80	35.8	4.06	40.0	4.56	44.6	5.06
	14	22.6	2.72	27.2	3.16	31.4	3.60	33.6	3.86	35.8	4.10	40.0	4.62	44.6	5.14
	16	22.6	2.76	27.2	3.22	31.4	3.66	33.6	3.94	35.8	4.16	40.0	4.70	44.6	5.22
	18	22.6	2.80	27.2	3.24	31.4	3.72	33.6	4.00	35.8	4.24	40.0	4.78	44.6	5.34
	20	22.6	2.82	27.2	3.30	31.4	3.80	33.6	4.06	35.8	4.34	40.0	4.86	44.6	5.46
	21	22.6	2.86	27.2	3.32	31.4	3.84	33.6	4.10	35.8	4.36	40.0	4.92	44.6	5.50
	23	22.6	2.90	27.2	3.38	31.4	3.88	33.6	4.16	35.8	4.44	40.0	5.00	44.6	5.62
	25	22.6	2.94	27.2	3.44	31.4	3.96	33.6	4.24	35.8	4.58	40.0	5.26	44.6	6.02
	27	22.6	3.00	27.2	3.56	31.4	4.20	33.6	4.52	35.8	4.86	40.0	5.62	44.6	6.40
	29	22.6	3.16	27.2	3.78	31.4	4.44	33.6	4.80	35.8	5.18	40.0	5.96	44.6	6.80
	31	22.6	3.32	27.2	4.00	31.4	4.72	33.6	5.08	35.8	5.50	40.0	6.34	44.6	7.24
	33	22.6	3.52	27.2	4.22	31.4	5.00	33.6	5.40	35.8	5.84	40.0	6.74	44.6	7.72
	35	22.6	3.72	27.2	4.48	31.4	5.28	33.6	5.74	35.8	6.18	40.0	7.12	44.6	8.20
	37	22.6	3.94	27.2	4.72	31.4	5.60	33.6	6.06	35.8	6.54	40.0	7.60	44.6	8.70
	39	22.6	4.20	27.2	5.06	31.4	6.00	33.6	6.54	35.8	7.02	40.0	8.10	44.6	9.40
	41	22.0	4.54	26.4	5.48	30.6	6.56	32.8	7.08	34.8	7.60	39.0	8.88	43.4	10.20
43	21.6	4.94	25.8	5.96	29.8	7.12	32.0	7.70	34.0	8.28	38.0	9.68	42.4	11.12	
46	20.2	5.54	24.2	6.68	28.0	8.00	30.0	8.64	31.8	9.30	35.6	10.90	39.8	12.52	
48	17.8	4.82	21.4	5.84	24.8	6.98	26.4	7.54	28.2	8.12	31.6	9.52	35.2	10.94	

## Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN261BTE5

Cooling Capacity (26HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	66.5	7.45	79.3	9.10	84.9	10.56	87.4	10.78	89.9	10.86	94.2	10.95	96.6	10.99
	12	66.5	7.64	79.3	9.43	84.9	10.99	87.4	11.07	89.9	11.16	94.2	11.25	96.6	11.34
	14	66.5	7.89	79.3	9.77	84.9	11.41	87.4	11.49	89.9	11.59	94.2	11.68	96.6	11.78
	16	66.5	8.18	79.3	10.11	84.9	11.92	87.4	12.03	89.9	12.13	94.2	12.24	96.6	12.33
	18	66.5	8.52	79.3	10.69	84.9	12.47	87.4	12.74	89.9	12.84	94.2	12.97	96.6	13.06
	20	66.5	8.90	79.3	11.40	84.9	13.08	87.4	14.01	89.9	14.13	92.8	14.26	95.3	14.37
	21	66.5	9.14	79.3	11.79	84.9	13.36	87.4	14.82	89.9	14.95	92.3	15.10	94.7	15.20
	23	66.5	9.79	79.3	12.41	84.9	14.05	87.4	16.36	88.7	16.49	90.9	16.65	93.4	16.77
	25	66.5	10.46	79.3	13.12	84.9	15.02	86.4	18.15	87.4	18.29	89.9	18.47	92.3	18.60
	27	66.5	11.20	79.3	14.03	83.9	16.00	84.9	19.98	86.4	20.13	88.7	20.33	90.9	20.48
	29	66.5	11.93	79.3	15.00	82.5	17.21	83.7	21.96	84.9	22.09	87.4	22.28	89.9	22.37
	31	66.5	12.73	79.0	15.79	81.2	18.31	82.5	21.86	83.7	21.99	86.0	22.19	88.4	22.28
	33	66.5	13.57	77.6	16.74	80.1	19.64	81.4	21.66	82.5	21.79	84.9	21.99	87.1	22.07
	35	66.5	14.46	76.3	17.53	78.7	21.27	80.1	21.38	81.4	21.51	83.6	21.70	86.0	21.79
	37	66.5	15.42	75.2	18.39	77.6	20.99	78.7	21.10	80.1	21.23	82.3	21.41	84.7	21.49
	39	66.5	16.42	73.9	19.36	76.3	20.71	77.6	20.82	78.7	20.93	81.2	21.12	83.6	21.21
	41	64.8	17.42	70.8	20.33	73.2	20.43	74.3	20.54	75.8	20.65	78.0	20.84	80.2	20.93
	43	63.3	18.37	67.8	20.05	70.2	20.15	71.3	20.25	72.7	20.37	75.0	20.56	77.0	20.63
46	59.3	19.66	61.9	19.62	64.1	19.73	65.2	19.83	66.5	19.94	68.6	20.13	70.5	20.2	
48	52.4	19.12	53.7	19.18	55.7	19.2	56.6	19.3	57.9	19.4	59.8	19.6	61.4	19.6	
120	10	61.5	6.71	73.2	8.22	80.0	9.77	82.4	10.56	84.9	10.72	89.5	10.76	91.7	10.85
	12	61.5	6.88	73.2	8.50	80.0	10.16	82.4	10.78	84.9	11.12	89.5	11.25	91.7	11.34
	14	61.5	7.12	73.2	8.78	80.0	10.57	82.4	11.19	84.9	11.53	89.5	11.70	91.7	11.79
	16	61.5	7.38	73.2	9.14	80.0	10.97	82.4	11.60	84.9	12.06	89.5	12.20	91.7	12.30
	18	61.5	7.66	73.2	9.55	80.0	11.42	82.4	12.22	84.9	12.67	89.5	12.82	91.7	12.93
	20	61.5	7.96	73.2	10.13	80.0	12.03	82.4	12.86	84.9	13.35	89.5	13.53	91.7	13.63
	21	61.5	8.20	73.2	10.50	80.0	12.37	82.4	13.23	84.9	13.79	89.5	13.96	91.7	14.07
	23	61.5	8.76	73.2	11.23	80.0	13.25	82.4	14.06	84.9	14.70	89.5	14.84	91.7	14.97
	25	61.5	9.36	73.2	12.03	80.0	13.98	82.4	14.99	84.9	15.76	88.4	15.89	90.6	16.02
	27	61.5	10.00	73.2	12.86	80.0	14.87	82.4	16.01	84.9	16.93	87.1	17.06	89.2	17.19
	29	61.5	10.67	73.2	13.73	80.0	15.66	82.4	17.14	83.5	18.05	85.6	18.33	88.1	18.47
	31	61.5	11.36	73.2	14.67	80.0	16.46	81.3	18.36	82.4	19.36	84.6	19.71	86.7	19.87
	33	61.5	12.09	73.2	15.63	78.9	17.42	80.0	19.92	81.0	20.80	83.2	21.03	85.4	21.19
	35	61.5	12.86	73.2	16.67	77.6	18.43	78.6	21.96	80.0	22.07	82.1	22.13	84.3	22.31
	37	61.5	13.83	73.2	17.58	76.5	19.66	77.6	21.49	78.6	21.60	80.8	21.66	83.0	21.83
	39	61.5	14.89	73.0	18.58	75.1	20.84	76.2	21.05	77.3	21.16	79.7	21.21	81.9	21.38
	41	60.0	15.96	69.8	19.58	72.1	20.43	73.1	20.61	74.1	20.71	76.3	20.78	78.5	20.93
	43	58.5	17.03	66.8	19.30	69.1	19.98	70.2	20.17	71.2	20.27	73.3	20.33	75.4	20.49
46	54.8	18.31	60.9	18.84	63.1	19.34	64.1	19.51	65.0	19.60	67.0	19.66	69.0	19.81	
48	48.5	17.94	52.9	18.50	54.9	18.97	55.7	19.08	56.6	19.14	58.3	19.23	60.0	19.3	
110	10	56.3	6.03	67.2	7.35	75.0	8.73	77.1	9.45	82.1	10.17	83.9	10.45	89.7	10.62
	12	56.3	6.22	67.2	7.59	75.0	9.09	77.1	9.72	82.1	10.54	83.9	10.89	89.7	11.14
	14	56.3	6.41	67.2	7.94	75.0	9.50	77.1	10.20	82.1	11.08	83.9	11.40	89.7	11.64
	16	56.3	6.64	67.2	8.22	75.0	9.90	77.1	10.64	82.1	11.59	83.9	11.91	89.7	12.11
	18	56.3	6.88	67.2	8.57	75.0	10.46	77.1	11.21	82.1	12.22	83.9	12.47	89.7	12.71
	20	56.3	7.13	67.2	8.99	75.0	11.10	77.1	11.72	82.1	12.82	83.9	13.14	89.7	13.35
	21	56.3	7.29	67.2	9.27	75.0	11.38	77.1	12.03	82.1	13.18	83.9	13.51	89.7	13.72
	23	56.3	7.76	67.2	9.93	75.0	12.02	77.1	12.71	82.1	13.92	83.9	14.22	89.7	14.46
	25	56.3	8.30	67.2	10.60	75.0	12.69	77.1	13.43	82.1	14.71	83.9	14.92	88.6	15.23
	27	56.3	8.86	67.2	11.33	75.0	13.42	77.1	14.22	82.1	15.36	83.9	15.71	87.3	15.98
	29	56.3	9.46	67.2	12.09	75.0	14.18	77.1	15.06	82.1	16.24	83.9	16.52	86.1	16.76
	31	56.3	10.07	67.2	12.90	75.0	14.99	77.1	15.96	80.7	17.06	82.8	17.40	84.7	17.57
	33	56.3	10.73	67.2	13.73	75.0	15.83	77.1	16.90	79.6	18.01	81.5	18.31	83.6	18.41
	35	56.3	11.40	67.2	14.67	75.0	16.72	77.1	17.91	78.2	19.01	80.2	19.19	82.3	19.28
	37	56.3	12.08	67.2	15.56	75.0	17.64	76.1	18.97	76.9	20.05	79.1	20.12	81.0	20.18
	39	56.3	13.02	67.2	16.54	73.7	18.62	74.7	20.30	75.8	21.04	77.7	21.08	79.9	21.10
	41	54.9	13.96	65.4	17.51	70.5	19.64	71.6	21.96	72.6	21.96	74.7	22.13	76.5	22.31
	43	53.5	14.67	63.9	18.24	67.6	20.82	68.7	21.06	69.6	21.01	71.7	21.13	73.4	21.19
46	50.2	14.31	59.8	17.62	61.6	19.77	62.7	19.76	63.5	19.94	65.5	20.05	67.2	20.09	
48	44.4	13.90	52.0	16.97	53.5	18.80	54.6	18.93	55.2	19.02	57.0	19.08	58.5	19.15	

# 7. Capacity Tables

Cooling Capacity (26HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	49.2	5.42	58.5	6.60	68.1	7.83	72.8	8.46	77.5	9.08	85.9	10.11	87.8	10.20
	12	49.2	5.60	58.5	6.86	68.1	8.09	72.8	8.69	77.5	9.38	85.9	10.66	87.8	10.76
	14	49.2	5.78	58.5	7.14	68.1	8.43	72.8	9.06	77.5	9.78	85.9	11.25	87.8	11.36
	16	49.2	5.96	58.5	7.38	68.1	8.80	72.8	9.49	77.5	10.31	85.9	11.80	87.8	11.96
	18	49.2	6.13	58.5	7.65	68.1	9.14	72.8	9.96	77.5	10.93	85.9	12.47	87.8	12.56
	20	49.2	6.35	58.5	7.94	68.1	9.66	72.8	10.67	77.5	11.70	85.9	13.06	87.8	13.17
	21	49.2	6.48	58.5	8.13	68.1	10.00	72.8	11.03	77.5	12.13	85.9	13.36	87.8	13.47
	23	49.2	6.86	58.5	8.69	68.1	10.73	72.8	11.83	77.5	12.99	85.9	14.00	87.8	14.11
	25	49.2	7.30	58.5	9.27	68.1	11.46	72.8	12.67	77.5	13.90	85.9	14.59	87.1	14.71
	27	49.2	7.80	58.5	9.90	68.1	12.26	72.8	13.53	77.5	14.78	84.3	15.27	86.0	15.40
	29	49.2	8.30	58.5	10.56	68.1	13.10	72.8	14.46	77.5	15.64	82.7	15.89	84.7	16.02
	31	49.2	8.86	58.5	11.27	68.1	13.96	72.8	15.43	77.5	16.43	81.4	16.50	83.4	16.64
	33	49.2	9.40	58.5	12.00	68.1	14.90	72.8	16.46	77.5	17.05	80.1	17.12	82.1	17.26
	35	49.2	10.00	58.5	12.76	68.1	15.86	72.8	17.56	76.3	17.66	78.7	17.74	80.6	17.88
	37	49.2	10.71	58.5	13.69	68.1	16.80	72.8	18.40	75.0	18.49	77.2	18.56	79.1	18.74
	39	49.2	11.48	58.5	14.71	68.1	17.81	72.8	19.30	73.8	19.38	76.0	19.46	77.8	19.64
	41	48.3	12.26	57.6	15.72	67.0	18.80	69.8	20.20	71.3	20.28	73.0	20.35	75.4	20.54
	43	46.7	12.97	55.6	16.67	64.8	19.71	67.0	20.97	67.8	21.04	69.8	21.12	71.7	21.31
46	43.8	13.94	52.1	17.96	60.7	20.91	61.1	21.96	61.8	22.02	63.8	22.09	65.5	22.29	
48	38.7	12.04	46.1	15.55	52.4	17.87	53.1	18.63	53.7	18.69	55.5	18.73	57.0	18.88	
90	10	44.2	4.61	52.8	5.54	61.3	6.54	65.5	7.05	69.7	7.58	78.2	8.49	86.9	9.43
	12	44.2	4.67	52.8	5.63	61.3	6.65	65.5	7.18	69.7	7.75	78.2	8.66	86.9	9.60
	14	44.2	4.75	52.8	5.74	61.3	6.79	65.5	7.33	69.7	7.90	78.2	8.82	86.9	9.80
	16	44.2	4.84	52.8	5.86	61.3	6.93	65.5	7.47	69.7	8.03	78.2	8.99	86.9	9.96
	18	44.2	4.92	52.8	5.97	61.3	7.05	65.5	7.64	69.7	8.20	78.2	9.19	86.9	10.47
	20	44.2	5.01	52.8	6.08	61.3	7.18	65.5	7.78	69.7	8.52	78.2	9.83	86.9	10.97
	21	44.2	5.06	52.8	6.14	61.3	7.33	65.5	8.03	69.7	8.83	78.2	9.99	86.9	11.22
	23	44.2	5.18	52.8	6.39	61.3	7.84	65.5	8.63	69.7	9.45	78.2	10.60	85.6	11.75
	25	44.2	5.43	52.8	6.82	61.3	8.37	65.5	9.22	69.7	10.10	78.2	11.32	84.5	12.25
	27	44.2	5.80	52.8	7.27	61.3	8.94	65.5	9.85	69.7	10.81	78.2	12.04	83.2	12.83
	29	44.2	6.14	52.8	7.75	61.3	9.56	65.5	10.53	69.7	11.55	78.2	12.76	81.9	13.34
	31	44.2	6.54	52.8	8.26	61.3	10.19	65.5	11.21	69.7	12.30	78.2	13.40	80.7	13.86
	33	44.2	6.96	52.8	8.80	61.3	10.87	65.5	11.94	69.7	13.06	78.2	14.04	79.5	14.38
	35	44.2	7.39	52.8	9.34	61.3	11.55	65.5	12.73	69.7	13.84	76.9	14.85	78.2	15.19
	37	44.2	7.84	52.8	9.93	61.3	12.31	65.5	13.53	69.7	14.61	75.6	15.52	77.0	15.87
	39	44.2	8.30	52.8	10.56	61.3	13.02	65.5	14.39	69.7	15.36	74.5	16.37	75.8	16.56
	41	43.1	9.28	51.4	11.71	59.8	14.30	63.9	15.74	67.9	16.59	71.3	17.25	72.6	17.64
	43	42.0	10.02	50.1	12.66	58.3	15.61	62.2	16.95	66.3	17.78	68.4	18.47	69.6	18.69
46	39.4	11.28	47.0	14.41	54.6	17.80	58.3	19.22	60.2	19.76	62.4	20.28	63.6	20.30	
48	34.9	9.86	41.6	12.61	48.3	15.57	51.6	16.76	52.2	17.03	54.2	17.45	55.3	17.48	
80	10	39.2	3.92	46.8	4.71	54.4	5.53	58.3	5.97	62.2	6.41	69.7	7.31	77.2	7.94
	12	39.2	4.00	46.8	4.77	54.4	5.64	58.3	6.08	62.2	6.52	69.7	7.44	77.2	8.09
	14	39.2	4.06	46.8	4.88	54.4	5.72	58.3	6.18	62.2	6.62	69.7	7.58	77.2	8.25
	16	39.2	4.11	46.8	4.96	54.4	5.83	58.3	6.30	62.2	6.76	69.7	7.74	77.2	8.40
	18	39.2	4.19	46.8	5.05	54.4	5.95	58.3	6.41	62.2	6.89	69.7	7.88	77.2	8.59
	20	39.2	4.28	46.8	5.15	54.4	6.08	58.3	6.54	62.2	7.04	69.7	8.17	77.2	9.09
	21	39.2	4.31	46.8	5.20	54.4	6.14	58.3	6.62	62.2	7.19	69.7	8.44	77.2	9.34
	23	39.2	4.38	46.8	5.28	54.4	6.41	58.3	7.04	62.2	7.69	69.7	8.91	77.2	9.80
	25	39.2	4.55	46.8	5.64	54.4	6.87	58.3	7.52	62.2	8.23	69.7	9.53	77.2	10.48
	27	39.2	4.82	46.8	5.99	54.4	7.33	58.3	8.04	62.2	8.78	69.7	10.12	77.2	11.02
	29	39.2	5.13	46.8	6.41	54.4	7.80	58.3	8.56	62.2	9.38	69.7	10.85	77.2	11.80
	31	39.2	5.45	46.8	6.79	54.4	8.32	58.3	9.13	62.2	9.97	69.7	11.52	77.2	12.39
	33	39.2	5.78	46.8	7.25	54.4	8.86	58.3	9.73	62.2	10.63	69.7	12.13	77.2	12.99
	35	39.2	6.14	46.8	7.69	54.4	9.43	58.3	10.35	62.2	11.34	69.7	12.86	76.4	13.46
	37	39.2	6.49	46.8	8.17	54.4	10.00	58.3	11.02	62.2	12.05	69.7	13.58	75.2	14.08
	39	39.2	6.85	46.8	8.64	54.4	10.70	58.3	11.84	62.2	12.95	69.7	14.35	73.9	14.85
	41	38.3	7.58	45.6	9.57	52.9	11.75	56.8	12.97	60.5	14.23	67.9	15.97	70.8	16.45
	43	37.3	8.35	44.4	10.45	51.6	12.82	55.3	14.14	59.1	15.55	66.3	17.08	67.9	17.62
46	34.9	9.29	41.6	11.77	48.4	14.44	51.8	15.74	55.3	17.54	60.5	18.65	62.0	18.94	
48	31.0	8.11	36.9	10.29	42.9	12.63	45.9	13.75	49.0	15.36	52.6	16.14	53.9	16.31	



# 7. Capacity Tables

Cooling Capacity (26HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	34.3	3.50	41.1	4.16	47.6	4.82	50.9	5.21	54.4	5.57	60.9	6.35	67.6	7.09
	12	34.3	3.56	41.1	4.22	47.6	4.94	50.9	5.29	54.4	5.68	60.9	6.45	67.6	7.22
	14	34.3	3.62	41.1	4.28	47.6	5.02	50.9	5.38	54.4	5.77	60.9	6.59	67.6	7.36
	16	34.3	3.66	41.1	4.36	47.6	5.10	50.9	5.48	54.4	5.87	60.9	6.70	67.6	7.52
	18	34.3	3.72	41.1	4.44	47.6	5.21	50.9	5.60	54.4	5.98	60.9	6.81	67.6	7.65
	20	34.3	3.78	41.1	4.53	47.6	5.29	50.9	5.71	54.4	6.12	60.9	6.97	67.6	7.94
	21	34.3	3.83	41.1	4.55	47.6	5.35	50.9	5.77	54.4	6.18	60.9	7.09	67.6	8.11
	23	34.3	3.89	41.1	4.66	47.6	5.46	50.9	5.96	54.4	6.48	60.9	7.59	67.6	8.56
	25	34.3	3.95	41.1	4.82	47.6	5.81	50.9	6.37	54.4	6.92	60.9	8.11	67.6	8.98
	27	34.3	4.16	41.1	5.15	47.6	6.20	50.9	6.76	54.4	7.39	60.9	8.66	67.6	9.54
	29	34.3	4.44	41.1	5.46	47.6	6.59	50.9	7.20	54.4	7.86	60.9	9.24	67.6	10.22
	31	34.3	4.71	41.1	5.81	47.6	7.03	50.9	7.69	54.4	8.38	60.9	9.84	67.6	10.85
	33	34.3	4.99	41.1	6.15	47.6	7.47	50.9	8.16	54.4	8.91	60.9	10.48	67.6	11.54
	35	34.3	5.27	41.1	6.56	47.6	7.94	50.9	8.69	54.4	9.49	60.9	11.17	67.6	12.24
	37	34.3	5.60	41.1	6.95	47.6	8.44	50.9	9.24	54.4	10.09	60.9	11.89	67.6	12.92
	39	34.3	5.94	41.1	7.41	47.6	9.02	50.9	9.94	54.4	10.90	60.9	12.72	67.6	13.93
	41	33.4	6.57	40.1	8.12	46.4	9.90	49.6	10.90	52.9	11.85	59.3	13.96	65.9	15.03
	43	32.7	7.15	39.0	8.85	45.2	10.80	48.5	11.89	51.6	12.94	57.8	15.26	64.2	16.25
46	30.6	7.95	36.6	9.95	42.4	12.16	45.3	13.24	48.4	14.58	54.2	17.21	60.2	18.11	
48	27.1	6.93	32.3	8.69	37.5	10.63	40.1	11.57	42.9	12.76	47.9	15.06	53.3	15.67	
60	10	29.4	3.07	35.1	3.60	40.8	4.18	43.7	4.49	46.6	4.77	52.2	5.41	58.0	6.05
	12	29.4	3.12	35.1	3.65	40.8	4.24	43.7	4.55	46.6	4.86	52.2	5.49	58.0	6.17
	14	29.4	3.15	35.1	3.71	40.8	4.33	43.7	4.63	46.6	4.94	52.2	5.60	58.0	6.27
	16	29.4	3.21	35.1	3.80	40.8	4.37	43.7	4.72	46.6	5.05	52.2	5.72	58.0	6.39
	18	29.4	3.27	35.1	3.84	40.8	4.46	43.7	4.80	46.6	5.13	52.2	5.80	58.0	6.53
	20	29.4	3.32	35.1	3.90	40.8	4.55	43.7	4.88	46.6	5.21	52.2	5.92	58.0	6.66
	21	29.4	3.35	35.1	3.94	40.8	4.60	43.7	4.94	46.6	5.27	52.2	6.00	58.0	6.72
	23	29.4	3.41	35.1	4.02	40.8	4.66	43.7	5.02	46.6	5.39	52.2	6.22	58.0	7.14
	25	29.4	3.45	35.1	4.10	40.8	4.86	43.7	5.27	46.6	5.72	52.2	6.64	58.0	7.64
	27	29.4	3.57	35.1	4.33	40.8	5.16	43.7	5.60	46.6	6.08	52.2	7.05	58.0	8.15
	29	29.4	3.80	35.1	4.60	40.8	5.49	43.7	5.97	46.6	6.47	52.2	7.53	58.0	8.70
	31	29.4	4.02	35.1	4.88	40.8	5.82	43.7	6.35	46.6	6.89	52.2	8.03	58.0	9.25
	33	29.4	4.24	35.1	5.16	40.8	6.19	43.7	6.74	46.6	7.33	52.2	8.53	58.0	9.87
	35	29.4	4.49	35.1	5.49	40.8	6.58	43.7	7.17	46.6	7.78	52.2	9.09	58.0	10.48
	37	29.4	4.74	35.1	5.80	40.8	6.97	43.7	7.62	46.6	8.25	52.2	9.64	58.0	11.15
	39	29.4	5.04	35.1	6.17	40.8	7.52	43.7	8.17	46.6	8.88	52.2	10.35	58.0	11.95
	41	28.6	5.47	34.2	6.76	39.8	8.17	42.5	8.92	45.3	9.64	50.9	11.35	56.5	12.99
	43	27.9	5.94	33.4	7.35	38.8	8.91	41.6	9.72	44.2	10.52	49.6	12.39	55.1	14.19
46	26.2	6.66	31.2	8.25	36.4	10.02	38.9	10.93	41.4	11.83	46.6	13.97	51.6	16.17	
48	23.2	5.80	27.7	7.21	32.1	8.76	34.4	9.54	36.6	10.34	41.2	12.21	45.7	14.15	
50	10	24.5	2.68	29.4	3.10	34.0	3.53	36.4	3.78	38.8	4.00	43.4	4.52	48.3	5.02
	12	24.5	2.71	29.4	3.13	34.0	3.59	36.4	3.83	38.8	4.09	43.4	4.60	48.3	5.10
	14	24.5	2.74	29.4	3.19	34.0	3.63	36.4	3.89	38.8	4.14	43.4	4.66	48.3	5.19
	16	24.5	2.79	29.4	3.25	34.0	3.69	36.4	3.98	38.8	4.20	43.4	4.74	48.3	5.27
	18	24.5	2.82	29.4	3.27	34.0	3.75	36.4	4.03	38.8	4.28	43.4	4.82	48.3	5.39
	20	24.5	2.85	29.4	3.33	34.0	3.83	36.4	4.09	38.8	4.37	43.4	4.90	48.3	5.50
	21	24.5	2.88	29.4	3.35	34.0	3.87	36.4	4.14	38.8	4.40	43.4	4.96	48.3	5.55
	23	24.5	2.93	29.4	3.41	34.0	3.92	36.4	4.20	38.8	4.48	43.4	5.05	48.3	5.67
	25	24.5	2.96	29.4	3.47	34.0	4.00	36.4	4.28	38.8	4.62	43.4	5.30	48.3	6.07
	27	24.5	3.02	29.4	3.59	34.0	4.23	36.4	4.56	38.8	4.90	43.4	5.67	48.3	6.46
	29	24.5	3.19	29.4	3.81	34.0	4.48	36.4	4.85	38.8	5.22	43.4	6.01	48.3	6.86
	31	24.5	3.35	29.4	4.03	34.0	4.76	36.4	5.13	38.8	5.55	43.4	6.40	48.3	7.30
	33	24.5	3.55	29.4	4.26	34.0	5.05	36.4	5.44	38.8	5.89	43.4	6.80	48.3	7.79
	35	24.5	3.75	29.4	4.52	34.0	5.33	36.4	5.79	38.8	6.23	43.4	7.19	48.3	8.27
	37	24.5	3.98	29.4	4.76	34.0	5.64	36.4	6.12	38.8	6.60	43.4	7.67	48.3	8.77
	39	24.5	4.24	29.4	5.11	34.0	6.05	36.4	6.59	38.8	7.08	43.4	8.17	48.3	9.48
	41	23.9	4.58	28.6	5.53	33.2	6.61	35.5	7.14	37.7	7.67	42.3	8.96	47.1	10.29
	43	23.4	4.98	27.9	6.01	32.3	7.19	34.6	7.77	36.8	8.35	41.2	9.77	45.9	11.22
46	21.9	5.59	26.2	6.74	30.3	8.07	32.5	8.72	34.5	9.38	38.6	10.99	43.1	12.63	
48	19.3	4.86	23.2	5.89	26.8	7.04	28.6	7.61	30.5	8.19	34.2	9.60	38.1	11.04	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

◆ ARUN280BTE5

Cooling Capacity (28HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	71.7	8.19	85.4	10.01	91.5	11.61	94.1	11.85	96.8	11.94	101.4	12.04	104.0	12.09
	12	71.7	8.39	85.4	10.36	91.5	12.09	94.1	12.17	96.8	12.27	101.4	12.37	104.0	12.47
	14	71.7	8.68	85.4	10.74	91.5	12.54	94.1	12.63	96.8	12.74	101.4	12.84	104.0	12.96
	16	71.7	8.99	85.4	11.12	91.5	13.10	94.1	13.23	96.8	13.34	101.4	13.45	104.0	13.56
	18	71.7	9.37	85.4	11.76	91.5	13.71	94.1	14.00	96.8	14.12	101.4	14.26	104.0	14.35
	20	71.7	9.79	85.4	12.53	91.5	14.38	94.1	15.40	96.8	15.53	99.9	15.68	102.6	15.79
	21	71.7	10.04	85.4	12.97	91.5	14.69	94.1	16.30	96.8	16.43	99.4	16.60	102.0	16.71
	23	71.7	10.77	85.4	13.65	91.5	15.45	94.1	17.99	95.5	18.14	97.9	18.31	100.5	18.44
	25	71.7	11.50	85.4	14.43	91.5	16.51	93.0	19.95	94.1	20.11	96.8	20.31	99.4	20.45
	27	71.7	12.32	85.4	15.42	90.3	17.59	91.5	21.97	93.0	22.14	95.5	22.35	97.9	22.51
	29	71.7	13.12	85.4	16.49	88.9	18.92	90.1	24.14	91.5	24.28	94.1	24.50	96.8	24.60
	31	71.7	14.00	85.1	17.37	87.4	20.13	88.9	24.03	90.1	24.18	92.6	24.40	95.2	24.50
	33	71.7	14.92	83.6	18.40	86.3	21.59	87.7	23.82	88.9	23.96	91.5	24.17	93.8	24.27
	35	71.7	15.90	82.1	19.27	84.7	23.39	86.3	23.51	87.7	23.65	90.0	23.86	92.6	23.95
	37	71.7	16.96	81.0	20.22	83.6	23.08	84.7	23.20	86.3	23.34	88.6	23.54	91.2	23.63
	39	71.7	18.05	79.6	21.29	82.1	22.77	83.6	22.89	84.7	23.02	87.4	23.23	90.0	23.32
	41	69.8	19.16	76.3	22.35	78.8	22.46	80.0	22.58	81.6	22.71	84.0	22.91	86.3	23.01
	43	68.1	20.20	73.1	22.04	75.6	22.16	76.8	22.26	78.3	22.40	80.7	22.60	82.9	22.68
46	63.9	21.62	66.7	21.57	69.1	21.69	70.2	21.80	71.6	21.93	73.9	22.13	75.9	22.21	
48	56.5	21.02	57.9	21.09	60.0	21.12	61.0	21.19	62.3	21.37	64.3	21.50	66.1	21.59	
120	10	66.3	7.37	78.8	9.04	86.1	10.74	88.7	11.61	91.4	11.78	96.4	11.83	98.7	11.92
	12	66.3	7.57	78.8	9.34	86.1	11.17	88.7	11.85	91.4	12.22	96.4	12.37	98.7	12.47
	14	66.3	7.83	78.8	9.65	86.1	11.62	88.7	12.30	91.4	12.67	96.4	12.86	98.7	12.96
	16	66.3	8.11	78.8	10.05	86.1	12.07	88.7	12.75	91.4	13.26	96.4	13.42	98.7	13.53
	18	66.3	8.42	78.8	10.50	86.1	12.55	88.7	13.43	91.4	13.93	96.4	14.10	98.7	14.21
	20	66.3	8.75	78.8	11.14	86.1	13.22	88.7	14.14	91.4	14.68	96.4	14.87	98.7	14.99
	21	66.3	9.01	78.8	11.54	86.1	13.60	88.7	14.55	91.4	15.16	96.4	15.35	98.7	15.47
	23	66.3	9.63	78.8	12.35	86.1	14.57	88.7	15.46	91.4	16.16	96.4	16.32	98.7	16.46
	25	66.3	10.29	78.8	13.22	86.1	15.37	88.7	16.48	91.4	17.33	95.2	17.48	97.5	17.62
	27	66.3	10.99	78.8	14.14	86.1	16.35	88.7	17.60	91.4	18.62	93.8	18.75	96.1	18.90
	29	66.3	11.73	78.8	15.09	86.1	17.21	88.7	18.84	89.9	19.85	92.2	20.15	94.9	20.31
	31	66.3	12.49	78.8	16.12	86.1	18.10	87.6	20.19	88.7	21.29	91.1	21.67	93.4	21.85
	33	66.3	13.30	78.8	17.19	85.0	19.15	86.1	21.91	87.3	22.86	89.6	23.12	92.0	23.30
	35	66.3	14.14	78.8	18.32	83.5	20.27	84.7	24.14	86.1	24.26	88.5	24.33	90.8	24.51
	37	66.3	15.21	78.8	19.33	82.3	21.61	83.5	23.63	84.7	23.75	87.0	23.82	89.4	24.02
	39	66.3	16.37	78.6	20.43	80.9	22.92	82.1	23.15	83.2	23.26	85.9	23.32	88.2	23.51
	41	64.6	17.54	75.1	21.53	77.7	22.46	78.7	22.66	79.9	22.77	82.2	22.84	84.5	23.02
	43	63.0	18.73	71.9	21.22	74.4	21.96	75.6	22.18	76.7	22.28	78.9	22.35	81.2	22.53
46	59.0	20.13	65.6	20.72	68.0	21.27	69.0	21.45	70.0	21.55	72.1	21.62	74.3	21.78	
48	52.2	19.72	57.0	20.34	59.1	20.86	60.0	20.98	60.9	21.05	62.8	21.14	64.7	21.22	
110	10	60.7	6.63	72.3	8.08	80.8	9.60	83.1	10.39	88.4	11.18	90.4	11.49	96.5	11.68
	12	60.7	6.84	72.3	8.35	80.8	10.00	83.1	10.68	88.4	11.59	90.4	11.97	96.5	12.25
	14	60.7	7.05	72.3	8.73	80.8	10.45	83.1	11.21	88.4	12.18	90.4	12.53	96.5	12.79
	16	60.7	7.30	72.3	9.04	80.8	10.88	83.1	11.70	88.4	12.75	90.4	13.10	96.5	13.32
	18	60.7	7.57	72.3	9.42	80.8	11.50	83.1	12.32	88.4	13.44	90.4	13.71	96.5	13.97
	20	60.7	7.83	72.3	9.89	80.8	12.20	83.1	12.89	88.4	14.10	90.4	14.45	96.5	14.68
	21	60.7	8.01	72.3	10.19	80.8	12.51	83.1	13.23	88.4	14.49	90.4	14.85	96.5	15.09
	23	60.7	8.54	72.3	10.92	80.8	13.22	83.1	13.97	88.4	15.30	90.4	15.63	96.5	15.89
	25	60.7	9.13	72.3	11.65	80.8	13.96	83.1	14.76	88.4	16.17	90.4	16.41	95.4	16.74
	27	60.7	9.75	72.3	12.46	80.8	14.75	83.1	15.63	88.4	16.89	90.4	17.27	94.0	17.57
	29	60.7	10.41	72.3	13.30	80.8	15.59	83.1	16.55	88.4	17.85	90.4	18.16	92.7	18.43
	31	60.7	11.07	72.3	14.18	80.8	16.48	83.1	17.54	86.9	18.75	89.2	19.13	91.3	19.32
	33	60.7	11.80	72.3	15.09	80.8	17.40	83.1	18.59	85.7	19.80	87.8	20.13	90.1	20.24
	35	60.7	12.53	72.3	16.12	80.8	18.38	83.1	19.70	84.3	20.90	86.3	21.10	88.7	21.20
	37	60.7	13.28	72.3	17.11	80.8	19.40	81.9	20.86	82.8	22.04	85.2	22.12	87.2	22.18
	39	60.7	14.31	72.3	18.18	79.3	20.48	80.5	22.32	81.7	23.13	83.7	23.18	86.1	23.20
	41	59.1	15.35	70.5	19.25	75.9	21.59	77.1	24.14	78.1	24.14	80.4	24.33	82.4	24.52
	43	57.6	16.13	68.8	20.06	72.8	22.89	74.0	23.15	74.9	23.10	77.2	23.23	79.1	23.30
46	54.1	15.73	64.4	19.37	66.3	21.73	67.5	21.73	68.4	21.92	70.5	22.04	72.3	22.09	
48	47.8	15.28	56.0	18.66	57.6	20.67	58.7	20.81	59.5	20.91	61.3	20.97	63.0	21.05	

# 7. Capacity Tables

Cooling Capacity (28HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	52.9	5.96	63.0	7.26	73.3	8.61	78.4	9.30	83.5	9.99	92.5	11.12	94.5	11.21
	12	52.9	6.16	63.0	7.55	73.3	8.89	78.4	9.55	83.5	10.31	92.5	11.72	94.5	11.83
	14	52.9	6.36	63.0	7.85	73.3	9.27	78.4	9.96	83.5	10.76	92.5	12.37	94.5	12.49
	16	52.9	6.55	63.0	8.11	73.3	9.67	78.4	10.43	83.5	11.33	92.5	12.98	94.5	13.15
	18	52.9	6.74	63.0	8.42	73.3	10.05	78.4	10.95	83.5	12.02	92.5	13.71	94.5	13.81
	20	52.9	6.98	63.0	8.73	73.3	10.62	78.4	11.73	83.5	12.86	92.5	14.36	94.5	14.48
	21	52.9	7.12	63.0	8.94	73.3	10.99	78.4	12.13	83.5	13.34	92.5	14.69	94.5	14.81
	23	52.9	7.55	63.0	9.56	73.3	11.80	78.4	13.01	83.5	14.29	92.5	15.39	94.5	15.51
	25	52.9	8.02	63.0	10.19	73.3	12.60	78.4	13.93	83.5	15.28	92.5	16.04	93.8	16.17
	27	52.9	8.58	63.0	10.88	73.3	13.48	78.4	14.88	83.5	16.25	90.7	16.79	92.6	16.93
	29	52.9	9.13	63.0	11.61	73.3	14.40	78.4	15.90	83.5	17.19	89.1	17.47	91.2	17.61
	31	52.9	9.75	63.0	12.39	73.3	15.35	78.4	16.96	83.5	18.07	87.7	18.14	89.8	18.30
	33	52.9	10.33	63.0	13.19	73.3	16.38	78.4	18.10	83.5	18.75	86.3	18.82	88.4	18.97
	35	52.9	10.99	63.0	14.03	73.3	17.44	78.4	19.30	82.2	19.42	84.7	19.50	86.8	19.65
	37	52.9	11.77	63.0	15.05	73.3	18.47	78.4	20.22	80.8	20.33	83.1	20.41	85.1	20.60
	39	52.9	12.62	63.0	16.17	73.3	19.58	78.4	21.22	79.5	21.31	81.8	21.40	83.7	21.59
	41	52.1	13.47	62.0	17.29	72.2	20.68	75.2	22.21	76.8	22.30	78.7	22.37	81.2	22.58
	43	50.3	14.26	59.9	18.33	69.7	21.67	72.1	23.06	73.0	23.13	75.2	23.22	77.2	23.43
46	47.1	15.33	56.1	19.75	65.3	22.98	65.8	24.14	66.5	24.21	68.7	24.28	70.5	24.50	
48	41.7	13.24	49.7	17.09	56.4	19.65	57.2	20.48	57.8	20.55	59.7	20.59	61.4	20.76	
90	10	47.6	5.06	56.9	6.08	66.1	7.17	70.5	7.73	75.1	8.32	84.3	9.31	93.5	10.35
	12	47.6	5.12	56.9	6.17	66.1	7.29	70.5	7.88	75.1	8.50	84.3	9.50	93.5	10.53
	14	47.6	5.22	56.9	6.30	66.1	7.45	70.5	8.04	75.1	8.66	84.3	9.67	93.5	10.75
	16	47.6	5.31	56.9	6.43	66.1	7.60	70.5	8.20	75.1	8.81	84.3	9.86	93.5	10.93
	18	47.6	5.40	56.9	6.55	66.1	7.73	70.5	8.38	75.1	9.00	84.3	10.08	93.5	11.48
	20	47.6	5.49	56.9	6.67	66.1	7.88	70.5	8.53	75.1	9.34	84.3	10.78	93.5	12.04
	21	47.6	5.55	56.9	6.73	66.1	8.04	70.5	8.81	75.1	9.69	84.3	10.95	93.5	12.30
	23	47.6	5.68	56.9	7.01	66.1	8.60	70.5	9.46	75.1	10.37	84.3	11.62	92.2	12.89
	25	47.6	5.96	56.9	7.48	66.1	9.18	70.5	10.11	75.1	11.08	84.3	12.42	90.9	13.44
	27	47.6	6.36	56.9	7.97	66.1	9.81	70.5	10.80	75.1	11.86	84.3	13.21	89.6	14.07
	29	47.6	6.73	56.9	8.50	66.1	10.49	70.5	11.55	75.1	12.67	84.3	14.00	88.2	14.63
	31	47.6	7.17	56.9	9.06	66.1	11.18	70.5	12.29	75.1	13.49	84.3	14.70	86.9	15.21
	33	47.6	7.64	56.9	9.65	66.1	11.92	70.5	13.09	75.1	14.32	84.3	15.40	85.6	15.77
	35	47.6	8.10	56.9	10.24	66.1	12.67	70.5	13.96	75.1	15.19	82.8	16.29	84.2	16.66
	37	47.6	8.60	56.9	10.90	66.1	13.51	70.5	14.84	75.1	16.03	81.5	17.03	82.9	17.41
	39	47.6	9.10	56.9	11.58	66.1	14.29	70.5	15.79	75.1	16.85	80.2	17.96	81.6	18.17
	41	46.4	10.18	55.3	12.84	64.4	15.68	68.8	17.26	73.1	18.19	76.8	18.92	78.2	19.35
	43	45.2	10.99	54.0	13.88	62.8	17.13	67.0	18.59	71.3	19.50	73.7	20.26	75.0	20.50
46	42.4	12.37	50.6	15.81	58.8	19.52	62.8	21.08	64.8	21.67	67.2	22.24	68.5	22.27	
48	37.5	10.81	44.8	13.83	52.0	17.08	55.6	18.39	56.3	18.68	58.4	19.15	59.5	19.17	
80	10	42.3	4.30	50.4	5.17	58.5	6.06	62.7	6.54	66.9	7.02	75.1	8.01	83.1	8.70
	12	42.3	4.39	50.4	5.23	58.5	6.18	62.7	6.66	66.9	7.14	75.1	8.15	83.1	8.86
	14	42.3	4.45	50.4	5.35	58.5	6.27	62.7	6.78	66.9	7.26	75.1	8.31	83.1	9.04
	16	42.3	4.51	50.4	5.44	58.5	6.39	62.7	6.90	66.9	7.41	75.1	8.48	83.1	9.21
	18	42.3	4.60	50.4	5.53	58.5	6.52	62.7	7.02	66.9	7.56	75.1	8.63	83.1	9.41
	20	42.3	4.69	50.4	5.65	58.5	6.66	62.7	7.17	66.9	7.71	75.1	8.96	83.1	9.97
	21	42.3	4.72	50.4	5.70	58.5	6.72	62.7	7.26	66.9	7.88	75.1	9.25	83.1	10.24
	23	42.3	4.80	50.4	5.79	58.5	7.02	62.7	7.71	66.9	8.42	75.1	9.76	83.1	10.74
	25	42.3	4.99	50.4	6.18	58.5	7.53	62.7	8.24	66.9	9.02	75.1	10.45	83.1	11.48
	27	42.3	5.28	50.4	6.57	58.5	8.04	62.7	8.81	66.9	9.62	75.1	11.09	83.1	12.08
	29	42.3	5.62	50.4	7.02	58.5	8.54	62.7	9.38	66.9	10.28	75.1	11.89	83.1	12.93
	31	42.3	5.97	50.4	7.44	58.5	9.11	62.7	10.01	66.9	10.93	75.1	12.62	83.1	13.57
	33	42.3	6.33	50.4	7.94	58.5	9.71	62.7	10.66	66.9	11.65	75.1	13.29	83.1	14.23
	35	42.3	6.72	50.4	8.42	58.5	10.33	62.7	11.35	66.9	12.42	75.1	14.10	82.3	14.75
	37	42.3	7.11	50.4	8.95	58.5	10.96	62.7	12.07	66.9	13.20	75.1	14.88	81.0	15.43
	39	42.3	7.51	50.4	9.46	58.5	11.73	62.7	12.97	66.9	14.19	75.1	15.72	79.6	16.27
	41	41.2	8.31	49.1	10.49	57.0	12.87	61.1	14.22	65.2	15.59	73.1	17.49	76.3	18.03
	43	40.2	9.15	47.9	11.45	55.6	14.05	59.6	15.50	63.6	17.04	71.3	18.71	73.1	19.31
46	37.6	10.18	44.8	12.90	52.1	15.82	55.8	17.25	59.6	19.22	65.2	20.43	66.7	20.76	
48	33.3	8.89	39.7	11.27	46.1	13.84	49.4	15.06	52.7	16.83	56.7	17.68	58.0	17.87	



# 7. Capacity Tables

Cooling Capacity (28HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	36.9	3.83	44.3	4.55	51.3	5.28	54.9	5.70	58.5	6.09	65.5	6.95	72.8	7.77
	12	36.9	3.89	44.3	4.62	51.3	5.41	54.9	5.80	58.5	6.22	65.5	7.06	72.8	7.91
	14	36.9	3.96	44.3	4.68	51.3	5.50	54.9	5.89	58.5	6.31	65.5	7.22	72.8	8.06
	16	36.9	4.01	44.3	4.77	51.3	5.59	54.9	6.00	58.5	6.43	65.5	7.33	72.8	8.23
	18	36.9	4.07	44.3	4.86	51.3	5.70	54.9	6.13	58.5	6.55	65.5	7.45	72.8	8.38
	20	36.9	4.14	44.3	4.95	51.3	5.80	54.9	6.25	58.5	6.70	65.5	7.63	72.8	8.69
	21	36.9	4.19	44.3	4.98	51.3	5.86	54.9	6.31	58.5	6.76	65.5	7.76	72.8	8.88
	23	36.9	4.26	44.3	5.10	51.3	5.98	54.9	6.52	58.5	7.09	65.5	8.30	72.8	9.37
	25	36.9	4.32	44.3	5.28	51.3	6.37	54.9	6.97	58.5	7.58	65.5	8.87	72.8	9.83
	27	36.9	4.55	44.3	5.64	51.3	6.79	54.9	7.40	58.5	8.09	65.5	9.48	72.8	10.44
	29	36.9	4.86	44.3	5.98	51.3	7.22	54.9	7.88	58.5	8.60	65.5	10.11	72.8	11.19
	31	36.9	5.16	44.3	6.37	51.3	7.70	54.9	8.42	58.5	9.17	65.5	10.78	72.8	11.88
	33	36.9	5.46	44.3	6.73	51.3	8.18	54.9	8.94	58.5	9.75	65.5	11.47	72.8	12.64
	35	36.9	5.77	44.3	7.18	51.3	8.69	54.9	9.51	58.5	10.39	65.5	12.22	72.8	13.40
	37	36.9	6.13	44.3	7.61	51.3	9.24	54.9	10.11	58.5	11.05	65.5	13.01	72.8	14.15
	39	36.9	6.50	44.3	8.11	51.3	9.87	54.9	10.88	58.5	11.93	65.5	13.92	72.8	15.25
	41	36.0	7.20	43.1	8.89	49.9	10.84	53.5	11.93	57.0	12.97	63.9	15.29	70.9	16.45
	43	35.2	7.83	42.0	9.69	48.7	11.82	52.2	13.01	55.6	14.17	62.3	16.71	69.1	17.79
46	32.9	8.70	39.4	10.89	45.7	13.31	48.8	14.49	52.1	15.97	58.3	18.84	64.8	19.83	
48	29.1	7.59	34.8	9.51	40.4	11.64	43.2	12.66	46.1	13.97	51.6	16.48	57.4	17.16	
60	10	31.7	3.35	37.8	3.93	43.9	4.58	47.1	4.91	50.1	5.22	56.3	5.92	62.5	6.61
	12	31.7	3.42	37.8	4.00	43.9	4.64	47.1	4.98	50.1	5.31	56.3	6.01	62.5	6.74
	14	31.7	3.44	37.8	4.06	43.9	4.73	47.1	5.07	50.1	5.40	56.3	6.13	62.5	6.86
	16	31.7	3.51	37.8	4.15	43.9	4.78	47.1	5.16	50.1	5.52	56.3	6.25	62.5	6.99
	18	31.7	3.57	37.8	4.20	43.9	4.87	47.1	5.25	50.1	5.61	56.3	6.34	62.5	7.14
	20	31.7	3.63	37.8	4.27	43.9	4.98	47.1	5.34	50.1	5.70	56.3	6.47	62.5	7.29
	21	31.7	3.66	37.8	4.30	43.9	5.03	47.1	5.40	50.1	5.76	56.3	6.56	62.5	7.35
	23	31.7	3.72	37.8	4.40	43.9	5.09	47.1	5.49	50.1	5.89	56.3	6.81	62.5	7.81
	25	31.7	3.78	37.8	4.49	43.9	5.31	47.1	5.76	50.1	6.25	56.3	7.26	62.5	8.35
	27	31.7	3.91	37.8	4.73	43.9	5.65	47.1	6.13	50.1	6.65	56.3	7.71	62.5	8.91
	29	31.7	4.15	37.8	5.03	43.9	6.01	47.1	6.52	50.1	7.08	56.3	8.24	62.5	9.51
	31	31.7	4.40	37.8	5.34	43.9	6.37	47.1	6.95	50.1	7.53	56.3	8.78	62.5	10.12
	33	31.7	4.64	37.8	5.65	43.9	6.77	47.1	7.38	50.1	8.02	56.3	9.33	62.5	10.79
	35	31.7	4.91	37.8	6.01	43.9	7.19	47.1	7.84	50.1	8.51	56.3	9.94	62.5	11.46
	37	31.7	5.18	37.8	6.34	43.9	7.62	47.1	8.33	50.1	9.03	56.3	10.55	62.5	12.20
	39	31.7	5.51	37.8	6.75	43.9	8.22	47.1	8.93	50.1	9.71	56.3	11.32	62.5	13.07
	41	30.8	5.98	36.8	7.39	42.9	8.94	45.8	9.76	48.8	10.54	54.8	12.42	60.9	14.20
	43	30.1	6.50	35.9	8.04	41.8	9.74	44.7	10.63	47.6	11.50	53.5	13.56	59.3	15.52
46	28.2	7.28	33.6	9.03	39.2	10.96	41.9	11.95	44.6	12.94	50.1	15.27	55.6	17.68	
48	24.9	6.34	29.8	7.88	34.6	9.58	37.1	10.44	39.5	11.30	44.3	13.36	49.2	15.47	
50	10	26.4	2.93	31.7	3.39	36.7	3.85	39.2	4.13	41.7	4.37	46.7	4.93	52.1	5.49
	12	26.4	2.96	31.7	3.42	36.7	3.92	39.2	4.19	41.7	4.47	46.7	5.02	52.1	5.58
	14	26.4	2.99	31.7	3.48	36.7	3.97	39.2	4.25	41.7	4.52	46.7	5.09	52.1	5.67
	16	26.4	3.05	31.7	3.55	36.7	4.04	39.2	4.34	41.7	4.59	46.7	5.18	52.1	5.76
	18	26.4	3.08	31.7	3.57	36.7	4.10	39.2	4.41	41.7	4.68	46.7	5.27	52.1	5.89
	20	26.4	3.11	31.7	3.64	36.7	4.19	39.2	4.47	41.7	4.78	46.7	5.36	52.1	6.01
	21	26.4	3.15	31.7	3.66	36.7	4.23	39.2	4.52	41.7	4.81	46.7	5.42	52.1	6.07
	23	26.4	3.20	31.7	3.73	36.7	4.28	39.2	4.59	41.7	4.90	46.7	5.51	52.1	6.19
	25	26.4	3.24	31.7	3.79	36.7	4.37	39.2	4.68	41.7	5.05	46.7	5.79	52.1	6.63
	27	26.4	3.30	31.7	3.92	36.7	4.62	39.2	4.99	41.7	5.36	46.7	6.19	52.1	7.05
	29	26.4	3.48	31.7	4.16	36.7	4.90	39.2	5.30	41.7	5.70	46.7	6.57	52.1	7.49
	31	26.4	3.66	31.7	4.41	36.7	5.20	39.2	5.60	41.7	6.07	46.7	6.99	52.1	7.98
	33	26.4	3.88	31.7	4.65	36.7	5.51	39.2	5.95	41.7	6.44	46.7	7.43	52.1	8.51
	35	26.4	4.10	31.7	4.93	36.7	5.82	39.2	6.32	41.7	6.81	46.7	7.85	52.1	9.03
	37	26.4	4.34	31.7	5.20	36.7	6.17	39.2	6.68	41.7	7.21	46.7	8.38	52.1	9.59
	39	26.4	4.63	31.7	5.58	36.7	6.61	39.2	7.20	41.7	7.74	46.7	8.93	52.1	10.35
	41	25.7	5.01	30.8	6.04	35.7	7.22	38.2	7.80	40.6	8.38	45.5	9.79	50.7	11.24
	43	25.2	5.45	30.1	6.57	34.8	7.85	37.3	8.49	39.7	9.13	44.4	10.67	49.5	12.26
46	23.6	6.10	28.2	7.37	32.7	8.81	34.9	9.53	37.1	10.25	41.6	12.01	46.4	13.80	
48	20.8	5.31	24.9	6.43	28.9	7.69	30.8	8.31	32.9	8.94	36.9	10.49	41.0	12.06	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

◆ ARUN300BTE5

Cooling Capacity (30HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	76.8	8.25	91.5	10.09	98.0	11.70	100.8	11.94	103.7	12.04	108.7	12.13	111.5	12.18
	12	76.8	8.46	91.5	10.45	98.0	12.18	100.8	12.27	103.7	12.37	108.7	12.46	111.5	12.57
	14	76.8	8.75	91.5	10.83	98.0	12.64	100.8	12.73	103.7	12.84	108.7	12.94	111.5	13.06
	16	76.8	9.06	91.5	11.21	98.0	13.21	100.8	13.33	103.7	13.44	108.7	13.56	111.5	13.66
	18	76.8	9.44	91.5	11.85	98.0	13.82	100.8	14.11	103.7	14.23	108.7	14.37	111.5	14.47
	20	76.8	9.86	91.5	12.63	98.0	14.50	100.8	15.52	103.7	15.66	107.0	15.81	109.9	15.92
	21	76.8	10.12	91.5	13.07	98.0	14.80	100.8	16.43	103.7	16.56	106.5	16.73	109.3	16.85
	23	76.8	10.85	91.5	13.75	98.0	15.57	100.8	18.13	102.3	18.28	104.9	18.45	107.7	18.59
	25	76.8	11.59	91.5	14.54	98.0	16.64	99.7	20.11	100.8	20.27	103.7	20.47	106.5	20.61
	27	76.8	12.41	91.5	15.54	96.8	17.73	98.0	22.14	99.7	22.31	102.3	22.53	104.9	22.69
	29	76.8	13.22	91.5	16.62	95.2	19.07	96.6	24.33	98.0	24.48	100.8	24.69	103.7	24.79
	31	76.8	14.11	91.2	17.50	93.7	20.29	95.2	24.22	96.6	24.37	99.3	24.59	102.0	24.69
	33	76.8	15.04	89.6	18.55	92.4	21.76	93.9	24.00	95.2	24.15	98.0	24.36	100.5	24.46
	35	76.8	16.02	88.0	19.43	90.8	23.57	92.4	23.69	93.9	23.84	96.5	24.05	99.3	24.14
	37	76.8	17.09	86.8	20.38	89.6	23.26	90.8	23.38	92.4	23.52	94.9	23.72	97.7	23.82
	39	76.8	18.19	85.2	21.46	88.0	22.95	89.6	23.07	90.8	23.20	93.7	23.41	96.5	23.50
	41	74.8	19.31	81.7	22.53	84.5	22.64	85.7	22.76	87.4	22.89	90.0	23.10	92.5	23.19
	43	73.0	20.36	78.3	22.22	81.0	22.33	82.2	22.44	83.9	22.57	86.5	22.78	88.8	22.86
46	68.4	21.79	71.5	21.75	74.0	21.86	75.2	21.97	76.7	22.10	79.2	22.31	81.3	22.39	
48	60.5	21.19	62.0	21.26	64.3	21.29	65.3	21.36	66.8	21.54	68.9	21.67	70.8	21.76	
120	10	71.0	7.43	84.5	9.11	92.3	10.82	95.1	11.70	97.9	11.88	103.2	11.92	105.8	12.02
	12	71.0	7.63	84.5	9.41	92.3	11.25	95.1	11.94	97.9	12.32	103.2	12.47	105.8	12.57
	14	71.0	7.89	84.5	9.73	92.3	11.71	95.1	12.40	97.9	12.77	103.2	12.96	105.8	13.06
	16	71.0	8.18	84.5	10.13	92.3	12.16	95.1	12.85	97.9	13.37	103.2	13.52	105.8	13.63
	18	71.0	8.49	84.5	10.59	92.3	12.65	95.1	13.54	97.9	14.04	103.2	14.21	105.8	14.32
	20	71.0	8.82	84.5	11.23	92.3	13.33	95.1	14.25	97.9	14.80	103.2	14.99	105.8	15.11
	21	71.0	9.08	84.5	11.63	92.3	13.71	95.1	14.66	97.9	15.28	103.2	15.47	105.8	15.59
	23	71.0	9.71	84.5	12.44	92.3	14.68	95.1	15.58	97.9	16.29	103.2	16.45	105.8	16.59
	25	71.0	10.37	84.5	13.33	92.3	15.49	95.1	16.61	97.9	17.47	102.0	17.61	104.5	17.76
	27	71.0	11.08	84.5	14.25	92.3	16.48	95.1	17.74	97.9	18.77	100.5	18.90	103.0	19.05
	29	71.0	11.82	84.5	15.21	92.3	17.35	95.1	18.99	96.3	20.00	98.8	20.31	101.7	20.47
	31	71.0	12.59	84.5	16.25	92.3	18.24	93.8	20.35	95.1	21.46	97.6	21.84	100.1	22.02
	33	71.0	13.40	84.5	17.32	91.0	19.30	92.3	22.08	93.5	23.05	96.0	23.31	98.5	23.49
	35	71.0	14.25	84.5	18.47	89.5	20.43	90.7	24.33	92.3	24.45	94.8	24.53	97.3	24.72
	37	71.0	15.33	84.5	19.48	88.2	21.78	89.5	23.82	90.7	23.93	93.2	24.01	95.7	24.20
	39	71.0	16.50	84.2	20.59	86.7	23.10	87.9	23.33	89.2	23.45	92.0	23.51	94.5	23.70
	41	69.2	17.68	80.5	21.70	83.2	22.64	84.3	22.84	85.6	22.95	88.0	23.02	90.6	23.20
	43	67.5	18.87	77.1	21.39	79.8	22.14	81.0	22.35	82.2	22.46	84.5	22.53	87.0	22.71
46	63.3	20.29	70.3	20.88	72.8	21.44	74.0	21.62	75.0	21.72	77.3	21.79	79.6	21.96	
48	56.0	19.88	61.0	20.51	63.3	21.02	64.3	21.15	65.3	21.22	67.3	21.30	69.3	21.38	
110	10	65.0	6.68	77.5	8.15	86.5	9.67	89.0	10.47	94.7	11.27	96.8	11.58	103.4	11.77
	12	65.0	6.89	77.5	8.42	86.5	10.08	89.0	10.77	94.7	11.69	96.8	12.06	103.4	12.35
	14	65.0	7.10	77.5	8.80	86.5	10.53	89.0	11.30	94.7	12.28	96.8	12.63	103.4	12.90
	16	65.0	7.36	77.5	9.11	86.5	10.97	89.0	11.80	94.7	12.85	96.8	13.20	103.4	13.42
	18	65.0	7.63	77.5	9.49	86.5	11.59	89.0	12.42	94.7	13.55	96.8	13.82	103.4	14.08
	20	65.0	7.90	77.5	9.97	86.5	12.30	89.0	12.99	94.7	14.21	96.8	14.56	103.4	14.80
	21	65.0	8.08	77.5	10.27	86.5	12.61	89.0	13.33	94.7	14.61	96.8	14.97	103.4	15.21
	23	65.0	8.60	77.5	11.01	86.5	13.32	89.0	14.08	94.7	15.43	96.8	15.76	103.4	16.02
	25	65.0	9.20	77.5	11.75	86.5	14.07	89.0	14.88	94.7	16.30	96.8	16.54	102.2	16.87
	27	65.0	9.82	77.5	12.56	86.5	14.87	89.0	15.75	94.7	17.02	96.8	17.41	100.7	17.71
	29	65.0	10.49	77.5	13.40	86.5	15.71	89.0	16.68	94.7	17.99	96.8	18.30	99.3	18.57
	31	65.0	11.15	77.5	14.30	86.5	16.61	89.0	17.68	93.1	18.90	95.6	19.28	97.8	19.48
	33	65.0	11.89	77.5	15.21	86.5	17.54	89.0	18.73	91.8	19.96	94.0	20.29	96.5	20.41
	35	65.0	12.63	77.5	16.25	86.5	18.52	89.0	19.85	90.3	21.07	92.5	21.26	95.0	21.36
	37	65.0	13.39	77.5	17.24	86.5	19.55	87.8	21.03	88.7	22.22	91.2	22.29	93.4	22.36
	39	65.0	14.43	77.5	18.33	85.0	20.64	86.2	22.50	87.5	23.32	89.7	23.36	92.2	23.38
	41	63.3	15.47	75.5	19.41	81.3	21.76	82.6	24.33	83.7	24.33	86.2	24.53	88.3	24.72
	43	61.8	16.25	73.7	20.22	78.0	23.08	79.2	23.34	80.3	23.29	82.7	23.41	84.7	23.48
46	57.9	15.86	69.0	19.52	71.1	21.90	72.3	21.90	73.3	22.09	75.5	22.21	77.5	22.27	
48	51.2	15.40	60.0	18.81	61.8	20.84	62.9	20.98	63.7	21.08	65.7	21.14	67.5	21.22	

# 7. Capacity Tables

Cooling Capacity (30HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	56.7	6.01	67.5	7.31	78.6	8.68	84.0	9.37	89.4	10.07	99.1	11.21	101.3	11.30
	12	56.7	6.20	67.5	7.61	78.6	8.97	84.0	9.63	89.4	10.39	99.1	11.82	101.3	11.93
	14	56.7	6.41	67.5	7.91	78.6	9.35	84.0	10.04	89.4	10.84	99.1	12.47	101.3	12.59
	16	56.7	6.60	67.5	8.18	78.6	9.75	84.0	10.52	89.4	11.42	99.1	13.08	101.3	13.26
	18	56.7	6.79	67.5	8.48	78.6	10.13	84.0	11.03	89.4	12.11	99.1	13.82	101.3	13.92
	20	56.7	7.03	67.5	8.80	78.6	10.71	84.0	11.82	89.4	12.96	99.1	14.47	101.3	14.59
	21	56.7	7.18	67.5	9.01	78.6	11.08	84.0	12.23	89.4	13.44	99.1	14.81	101.3	14.92
	23	56.7	7.61	67.5	9.64	78.6	11.89	84.0	13.11	89.4	14.40	99.1	15.51	101.3	15.63
	25	56.7	8.08	67.5	10.27	78.6	12.70	84.0	14.04	89.4	15.40	99.1	16.17	100.5	16.30
	27	56.7	8.65	67.5	10.97	78.6	13.59	84.0	14.99	89.4	16.37	97.2	16.93	99.2	17.07
	29	56.7	9.20	67.5	11.71	78.6	14.52	84.0	16.02	89.4	17.33	95.4	17.61	97.7	17.75
	31	56.7	9.82	67.5	12.49	78.6	15.47	84.0	17.10	89.4	18.21	94.0	18.29	96.2	18.44
	33	56.7	10.42	67.5	13.30	78.6	16.51	84.0	18.24	89.4	18.90	92.5	18.97	94.7	19.12
	35	56.7	11.08	67.5	14.14	78.6	17.57	84.0	19.46	88.0	19.58	90.8	19.66	93.0	19.81
	37	56.7	11.87	67.5	15.17	78.6	18.62	84.0	20.39	86.6	20.49	89.0	20.57	91.2	20.76
	39	56.7	12.72	67.5	16.30	78.6	19.73	84.0	21.38	85.2	21.48	87.7	21.57	89.7	21.76
	41	55.8	13.58	66.5	17.42	77.3	20.84	80.6	22.38	82.3	22.47	84.3	22.55	87.0	22.76
	43	53.9	14.37	64.2	18.47	74.7	21.84	77.3	23.24	78.2	23.32	80.6	23.40	82.7	23.62
46	50.5	15.45	60.1	19.91	70.0	23.17	70.5	24.33	71.3	24.40	73.6	24.47	75.6	24.70	
48	44.7	13.35	53.2	17.23	60.5	19.81	61.3	20.64	62.0	20.71	64.0	20.76	65.7	20.92	
90	10	51.0	5.35	60.9	6.44	70.8	7.59	75.6	8.18	80.4	8.80	90.3	9.86	100.2	10.95
	12	51.0	5.42	60.9	6.54	70.8	7.72	75.6	8.34	80.4	9.00	90.3	10.05	100.2	11.15
	14	51.0	5.52	60.9	6.66	70.8	7.89	75.6	8.51	80.4	9.17	90.3	10.24	100.2	11.37
	16	51.0	5.62	60.9	6.80	70.8	8.04	75.6	8.67	80.4	9.33	90.3	10.44	100.2	11.57
	18	51.0	5.72	60.9	6.93	70.8	8.18	75.6	8.87	80.4	9.52	90.3	10.67	100.2	12.15
	20	51.0	5.82	60.9	7.06	70.8	8.34	75.6	9.03	80.4	9.89	90.3	11.41	100.2	12.74
	21	51.0	5.88	60.9	7.13	70.8	8.51	75.6	9.33	80.4	10.25	90.3	11.60	100.2	13.02
	23	51.0	6.01	60.9	7.42	70.8	9.10	75.6	10.02	80.4	10.97	90.3	12.30	98.8	13.64
	25	51.0	6.31	60.9	7.92	70.8	9.72	75.6	10.71	80.4	11.73	90.3	13.15	97.4	14.22
	27	51.0	6.73	60.9	8.44	70.8	10.38	75.6	11.43	80.4	12.55	90.3	13.98	96.0	14.89
	29	51.0	7.13	60.9	9.00	70.8	11.10	75.6	12.22	80.4	13.41	90.3	14.82	94.5	15.49
	31	51.0	7.59	60.9	9.59	70.8	11.83	75.6	13.01	80.4	14.28	90.3	15.56	93.1	16.10
	33	51.0	8.08	60.9	10.21	70.8	12.62	75.6	13.86	80.4	15.16	90.3	16.30	91.7	16.69
	35	51.0	8.58	60.9	10.84	70.8	13.41	75.6	14.78	80.4	16.07	88.7	17.24	90.3	17.63
	37	51.0	9.10	60.9	11.53	70.8	14.29	75.6	15.70	80.4	16.96	87.3	18.02	88.8	18.42
	39	51.0	9.64	60.9	12.26	70.8	15.12	75.6	16.71	80.4	17.83	85.9	19.00	87.4	19.23
	41	49.7	10.78	59.3	13.59	69.0	16.60	73.7	18.27	78.3	19.26	82.3	20.02	83.8	20.49
	43	48.5	11.64	57.8	14.69	67.3	18.13	71.8	19.68	76.4	20.65	78.9	21.45	80.3	21.70
46	45.5	13.09	54.2	16.74	63.0	20.66	67.3	22.31	69.5	22.94	72.0	23.54	73.4	23.57	
48	40.2	11.44	48.0	14.64	55.8	18.08	59.5	19.46	60.3	19.77	62.6	20.26	63.8	20.29	
80	10	45.3	4.55	54.0	5.47	62.7	6.42	67.2	6.92	71.7	7.43	80.4	8.47	89.1	9.20
	12	45.3	4.64	54.0	5.53	62.7	6.54	67.2	7.05	71.7	7.55	80.4	8.63	89.1	9.38
	14	45.3	4.71	54.0	5.66	62.7	6.64	67.2	7.17	71.7	7.68	80.4	8.79	89.1	9.57
	16	45.3	4.77	54.0	5.75	62.7	6.76	67.2	7.31	71.7	7.84	80.4	8.97	89.1	9.74
	18	45.3	4.86	54.0	5.85	62.7	6.89	67.2	7.43	71.7	8.00	80.4	9.13	89.1	9.96
	20	45.3	4.96	54.0	5.97	62.7	7.05	67.2	7.58	71.7	8.16	80.4	9.48	89.1	10.55
	21	45.3	5.00	54.0	6.03	62.7	7.11	67.2	7.68	71.7	8.34	80.4	9.79	89.1	10.83
	23	45.3	5.08	54.0	6.13	62.7	7.43	67.2	8.16	71.7	8.91	80.4	10.33	89.1	11.37
	25	45.3	5.28	54.0	6.54	62.7	7.97	67.2	8.72	71.7	9.55	80.4	11.05	89.1	12.15
	27	45.3	5.59	54.0	6.95	62.7	8.50	67.2	9.33	71.7	10.18	80.4	11.74	89.1	12.78
	29	45.3	5.95	54.0	7.43	62.7	9.04	67.2	9.93	71.7	10.88	80.4	12.58	89.1	13.68
	31	45.3	6.32	54.0	7.87	62.7	9.64	67.2	10.59	71.7	11.57	80.4	13.36	89.1	14.36
	33	45.3	6.70	54.0	8.41	62.7	10.27	67.2	11.28	71.7	12.32	80.4	14.07	89.1	15.06
	35	45.3	7.11	54.0	8.91	62.7	10.93	67.2	12.01	71.7	13.15	80.4	14.92	88.2	15.60
	37	45.3	7.53	54.0	9.48	62.7	11.60	67.2	12.77	71.7	13.97	80.4	15.74	86.7	16.32
	39	45.3	7.95	54.0	10.02	62.7	12.41	67.2	13.73	71.7	15.01	80.4	16.64	85.3	17.22
	41	44.2	8.79	52.6	11.10	61.1	13.62	65.5	15.04	69.8	16.50	78.3	18.51	81.7	19.08
	43	43.0	9.69	51.3	12.12	59.6	14.87	63.8	16.40	68.2	18.03	76.4	19.80	78.3	20.43
46	40.3	10.77	48.1	13.65	55.8	16.75	59.8	18.25	63.8	20.34	69.8	21.62	71.5	21.97	
48	35.7	9.40	42.5	11.93	49.4	14.65	53.0	15.94	56.5	17.81	60.7	18.71	62.2	18.91	

# 7. Capacity Tables

Cooling Capacity (30HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	39.6	4.05	47.4	4.82	54.9	5.58	58.8	6.04	62.7	6.45	70.2	7.35	78.0	8.21
	12	39.6	4.12	47.4	4.89	54.9	5.72	58.8	6.13	62.7	6.58	70.2	7.47	78.0	8.36
	14	39.6	4.19	47.4	4.95	54.9	5.81	58.8	6.23	62.7	6.68	70.2	7.63	78.0	8.52
	16	39.6	4.24	47.4	5.05	54.9	5.91	58.8	6.35	62.7	6.80	70.2	7.76	78.0	8.71
	18	39.6	4.31	47.4	5.14	54.9	6.04	58.8	6.49	62.7	6.93	70.2	7.88	78.0	8.86
	20	39.6	4.38	47.4	5.24	54.9	6.13	58.8	6.61	62.7	7.09	70.2	8.08	78.0	9.20
	21	39.6	4.44	47.4	5.27	54.9	6.20	58.8	6.68	62.7	7.16	70.2	8.21	78.0	9.39
	23	39.6	4.50	47.4	5.39	54.9	6.32	58.8	6.90	62.7	7.50	70.2	8.78	78.0	9.92
	25	39.6	4.57	47.4	5.58	54.9	6.73	58.8	7.38	62.7	8.02	70.2	9.39	78.0	10.40
	27	39.6	4.82	47.4	5.97	54.9	7.18	58.8	7.83	62.7	8.55	70.2	10.03	78.0	11.05
	29	39.6	5.14	47.4	6.32	54.9	7.63	58.8	8.33	62.7	9.10	70.2	10.70	78.0	11.83
	31	39.6	5.46	47.4	6.73	54.9	8.14	58.8	8.91	62.7	9.70	70.2	11.40	78.0	12.57
	33	39.6	5.78	47.4	7.12	54.9	8.65	58.8	9.46	62.7	10.32	70.2	12.14	78.0	13.37
	35	39.6	6.10	47.4	7.60	54.9	9.20	58.8	10.06	62.7	10.99	70.2	12.93	78.0	14.18
	37	39.6	6.49	47.4	8.05	54.9	9.77	58.8	10.70	62.7	11.69	70.2	13.77	78.0	14.97
	39	39.6	6.88	47.4	8.58	54.9	10.45	58.8	11.51	62.7	12.62	70.2	14.73	78.0	16.14
	41	38.6	7.61	46.2	9.41	53.5	11.46	57.3	12.62	61.1	13.72	68.4	16.17	76.0	17.41
43	37.7	8.28	45.0	10.25	52.2	12.50	55.9	13.77	59.6	14.99	66.7	17.67	74.1	18.82	
46	35.3	9.20	42.2	11.52	48.9	14.08	52.3	15.33	55.8	16.89	62.5	19.93	69.5	20.98	
48	31.2	8.03	37.3	10.06	43.3	12.31	46.3	13.39	49.4	14.78	55.3	17.44	61.5	18.15	
60	10	33.9	3.55	40.5	4.16	47.1	4.84	50.4	5.19	53.7	5.52	60.3	6.26	66.9	7.00
	12	33.9	3.61	40.5	4.23	47.1	4.91	50.4	5.26	53.7	5.62	60.3	6.35	66.9	7.13
	14	33.9	3.64	40.5	4.29	47.1	5.00	50.4	5.36	53.7	5.71	60.3	6.48	66.9	7.25
	16	33.9	3.71	40.5	4.39	47.1	5.06	50.4	5.45	53.7	5.84	60.3	6.61	66.9	7.39
	18	33.9	3.78	40.5	4.45	47.1	5.16	50.4	5.55	53.7	5.93	60.3	6.71	66.9	7.55
	20	33.9	3.84	40.5	4.51	47.1	5.26	50.4	5.64	53.7	6.03	60.3	6.84	66.9	7.71
	21	33.9	3.87	40.5	4.55	47.1	5.32	50.4	5.71	53.7	6.10	60.3	6.94	66.9	7.77
	23	33.9	3.94	40.5	4.65	47.1	5.39	50.4	5.81	53.7	6.23	60.3	7.20	66.9	8.26
	25	33.9	4.00	40.5	4.74	47.1	5.62	50.4	6.10	53.7	6.61	60.3	7.68	66.9	8.84
	27	33.9	4.13	40.5	5.00	47.1	5.97	50.4	6.48	53.7	7.03	60.3	8.16	66.9	9.42
	29	33.9	4.39	40.5	5.32	47.1	6.35	50.4	6.90	53.7	7.49	60.3	8.71	66.9	10.06
	31	33.9	4.65	40.5	5.64	47.1	6.74	50.4	7.35	53.7	7.96	60.3	9.29	66.9	10.71
	33	33.9	4.91	40.5	5.97	47.1	7.16	50.4	7.80	53.7	8.48	60.3	9.87	66.9	11.41
	35	33.9	5.19	40.5	6.35	47.1	7.61	50.4	8.29	53.7	9.00	60.3	10.51	66.9	12.12
	37	33.9	5.48	40.5	6.71	47.1	8.06	50.4	8.81	53.7	9.55	60.3	11.16	66.9	12.90
	39	33.9	5.83	40.5	7.14	47.1	8.70	50.4	9.45	53.7	10.27	60.3	11.97	66.9	13.82
	41	33.0	6.33	39.5	7.82	45.9	9.45	49.1	10.32	52.3	11.15	58.8	13.13	65.2	15.02
43	32.2	6.87	38.5	8.51	44.8	10.30	47.9	11.24	51.0	12.16	57.3	14.34	63.5	16.41	
46	30.2	7.70	36.0	9.55	42.0	11.59	44.9	12.64	47.8	13.68	53.7	16.15	59.5	18.70	
48	26.7	6.71	31.9	8.34	37.1	10.13	39.7	11.04	42.3	11.96	47.5	14.13	52.7	16.36	
50	10	28.3	3.10	33.9	3.59	39.3	4.08	42.0	4.36	44.7	4.62	50.1	5.22	55.8	5.80
	12	28.3	3.13	33.9	3.61	39.3	4.14	42.0	4.43	44.7	4.73	50.1	5.31	55.8	5.90
	14	28.3	3.16	33.9	3.68	39.3	4.20	42.0	4.50	44.7	4.78	50.1	5.38	55.8	5.99
	16	28.3	3.22	33.9	3.75	39.3	4.27	42.0	4.59	44.7	4.85	50.1	5.47	55.8	6.09
	18	28.3	3.26	33.9	3.78	39.3	4.33	42.0	4.66	44.7	4.95	50.1	5.57	55.8	6.22
	20	28.3	3.29	33.9	3.84	39.3	4.43	42.0	4.73	44.7	5.05	50.1	5.67	55.8	6.36
	21	28.3	3.33	33.9	3.87	39.3	4.47	42.0	4.78	44.7	5.08	50.1	5.73	55.8	6.41
	23	28.3	3.38	33.9	3.94	39.3	4.53	42.0	4.85	44.7	5.18	50.1	5.83	55.8	6.55
	25	28.3	3.42	33.9	4.01	39.3	4.62	42.0	4.95	44.7	5.34	50.1	6.13	55.8	7.01
	27	28.3	3.49	33.9	4.14	39.3	4.89	42.0	5.27	44.7	5.67	50.1	6.55	55.8	7.46
	29	28.3	3.68	33.9	4.40	39.3	5.18	42.0	5.60	44.7	6.03	50.1	6.94	55.8	7.92
	31	28.3	3.87	33.9	4.66	39.3	5.50	42.0	5.93	44.7	6.41	50.1	7.39	55.8	8.44
	33	28.3	4.10	33.9	4.92	39.3	5.83	42.0	6.29	44.7	6.81	50.1	7.85	55.8	8.99
	35	28.3	4.33	33.9	5.22	39.3	6.16	42.0	6.68	44.7	7.20	50.1	8.30	55.8	9.55
	37	28.3	4.59	33.9	5.50	39.3	6.52	42.0	7.07	44.7	7.62	50.1	8.86	55.8	10.13
	39	28.3	4.90	33.9	5.90	39.3	6.99	42.0	7.61	44.7	8.18	50.1	9.44	55.8	10.95
	41	27.6	5.30	33.0	6.39	38.3	7.64	41.0	8.25	43.5	8.86	48.8	10.35	54.3	11.88
43	27.0	5.76	32.2	6.95	37.3	8.30	39.9	8.97	42.5	9.65	47.6	11.28	53.0	12.96	
46	25.2	6.45	30.2	7.79	35.0	9.32	37.4	10.07	39.8	10.83	44.6	12.70	49.7	14.59	
48	22.3	5.62	26.7	6.80	31.0	8.13	33.1	8.79	35.2	9.46	39.5	11.09	44.0	12.75	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUM320BTE5

Cooling Capacity (32HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	81.9	8.92	97.6	10.90	104.6	12.65	107.5	12.91	110.6	13.01	115.9	13.12	118.9	13.17
	12	81.9	9.15	97.6	11.29	104.6	13.17	107.5	13.26	110.6	13.37	115.9	13.47	118.9	13.59
	14	81.9	9.45	97.6	11.70	104.6	13.66	107.5	13.77	110.6	13.88	115.9	13.99	118.9	14.12
	16	81.9	9.80	97.6	12.11	104.6	14.28	107.5	14.41	110.6	14.53	115.9	14.66	118.9	14.77
	18	81.9	10.21	97.6	12.81	104.6	14.94	107.5	15.26	110.6	15.38	115.9	15.54	118.9	15.64
	20	81.9	10.66	97.6	13.65	104.6	15.67	107.5	16.78	110.6	16.92	114.2	17.09	117.3	17.21
	21	81.9	10.94	97.6	14.13	104.6	16.00	107.5	17.76	110.6	17.91	113.6	18.08	116.6	18.21
	23	81.9	11.73	97.6	14.87	104.6	16.83	107.5	19.60	109.1	19.76	111.9	19.95	114.9	20.09
	25	81.9	12.53	97.6	15.72	104.6	17.99	106.3	21.74	107.5	21.91	110.6	22.13	113.6	22.28
	27	81.9	13.42	97.6	16.80	103.2	19.17	104.6	23.93	106.3	24.12	109.1	24.36	111.9	24.53
	29	81.9	14.30	97.6	17.96	101.6	20.62	103.0	26.30	104.6	26.46	107.5	26.69	110.6	26.80
	31	81.9	15.25	97.3	18.92	99.9	21.93	101.6	26.19	103.0	26.34	105.9	26.59	108.9	26.69
	33	81.9	16.25	95.5	20.05	98.6	23.53	100.2	25.95	101.6	26.10	104.6	26.34	107.2	26.44
	35	81.9	17.32	93.9	21.00	96.9	25.48	98.6	25.61	100.2	25.77	102.9	26.00	105.9	26.10
	37	81.9	18.48	92.6	22.04	95.5	25.15	96.9	25.27	98.6	25.43	101.3	25.65	104.3	25.75
	39	81.9	19.67	90.9	23.20	93.9	24.81	95.5	24.94	96.9	25.08	99.9	25.31	102.9	25.41
	41	79.8	20.87	87.2	24.36	90.1	24.48	91.4	24.60	93.3	24.74	96.0	24.97	98.6	25.07
	43	77.9	22.01	83.5	24.02	86.4	24.14	87.7	24.25	89.5	24.40	92.2	24.63	94.7	24.72
46	73.0	23.56	76.2	23.51	78.9	23.63	80.2	23.75	81.9	23.89	84.5	24.11	86.7	24.20	
48	64.5	22.91	66.2	22.98	68.6	23.02	69.7	23.09	71.2	23.29	73.5	23.43	75.5	23.52	
120	10	75.8	8.03	90.1	9.84	98.4	11.70	101.4	12.65	104.5	12.84	110.1	12.89	112.8	12.99
	12	75.8	8.25	90.1	10.18	98.4	12.17	101.4	12.91	104.5	13.32	110.1	13.48	112.8	13.58
	14	75.8	8.53	90.1	10.52	98.4	12.66	101.4	13.40	104.5	13.81	110.1	14.01	112.8	14.12
	16	75.8	8.84	90.1	10.95	98.4	13.15	101.4	13.90	104.5	14.45	110.1	14.62	112.8	14.74
	18	75.8	9.18	90.1	11.44	98.4	13.68	101.4	14.63	104.5	15.18	110.1	15.36	112.8	15.48
	20	75.8	9.53	90.1	12.14	98.4	14.41	101.4	15.40	104.5	15.99	110.1	16.20	112.8	16.33
	21	75.8	9.82	90.1	12.58	98.4	14.82	101.4	15.85	104.5	16.52	110.1	16.72	112.8	16.86
	23	75.8	10.49	90.1	13.45	98.4	15.87	101.4	16.85	104.5	17.60	110.1	17.78	112.8	17.93
	25	75.8	11.21	90.1	14.41	98.4	16.75	101.4	17.96	104.5	18.88	108.8	19.04	111.5	19.19
	27	75.8	11.98	90.1	15.41	98.4	17.81	101.4	19.18	104.5	20.29	107.2	20.43	109.8	20.59
	29	75.8	12.78	90.1	16.44	98.4	18.75	101.4	20.53	102.7	21.62	105.4	21.95	108.5	22.13
	31	75.8	13.61	90.1	17.57	98.4	19.72	100.1	22.00	101.4	23.20	104.1	23.61	106.7	23.80
	33	75.8	14.49	90.1	18.73	97.1	20.87	98.4	23.87	99.8	24.91	102.4	25.20	105.1	25.39
	35	75.8	15.41	90.1	19.96	95.5	22.08	96.8	26.30	98.4	26.43	101.1	26.51	103.8	26.72
	37	75.8	16.57	90.1	21.06	94.1	23.54	95.5	25.74	96.8	25.87	99.5	25.95	102.1	26.16
	39	75.8	17.84	89.8	22.26	92.5	24.97	93.8	25.22	95.1	25.35	98.1	25.41	100.8	25.62
	41	73.8	19.12	85.9	23.46	88.8	24.48	89.9	24.69	91.3	24.81	93.9	24.89	96.6	25.08
	43	72.0	20.40	82.2	23.12	85.1	23.93	86.4	24.16	87.7	24.28	90.2	24.35	92.8	24.55
46	67.5	21.93	75.0	22.57	77.7	23.17	78.9	23.37	80.0	23.48	82.4	23.55	84.9	23.74	
48	59.7	21.49	65.1	22.17	67.5	22.72	68.6	22.86	69.6	22.93	71.8	23.03	73.9	23.12	
110	10	69.3	7.22	82.7	8.81	92.3	10.46	95.0	11.32	101.0	12.18	103.3	12.52	110.3	12.73
	12	69.3	7.45	82.7	9.10	92.3	10.89	95.0	11.64	101.0	12.63	103.3	13.04	110.3	13.35
	14	69.3	7.68	82.7	9.51	92.3	11.39	95.0	12.21	101.0	13.27	103.3	13.65	110.3	13.94
	16	69.3	7.96	82.7	9.85	92.3	11.85	95.0	12.75	101.0	13.89	103.3	14.27	110.3	14.51
	18	69.3	8.25	82.7	10.26	92.3	12.53	95.0	13.42	101.0	14.64	103.3	14.94	110.3	15.22
	20	69.3	8.54	82.7	10.78	92.3	13.29	95.0	14.04	101.0	15.36	103.3	15.74	110.3	15.99
	21	69.3	8.73	82.7	11.10	92.3	13.63	95.0	14.41	101.0	15.79	103.3	16.18	110.3	16.44
	23	69.3	9.30	82.7	11.90	92.3	14.40	95.0	15.22	101.0	16.68	103.3	17.03	110.3	17.32
	25	69.3	9.94	82.7	12.70	92.3	15.21	95.0	16.09	101.0	17.62	103.3	17.88	109.0	18.24
	27	69.3	10.62	82.7	13.58	92.3	16.07	95.0	17.03	101.0	18.40	103.3	18.82	107.4	19.14
	29	69.3	11.34	82.7	14.49	92.3	16.98	95.0	18.04	101.0	19.45	103.3	19.79	105.9	20.08
	31	69.3	12.06	82.7	15.45	92.3	17.95	95.0	19.11	99.3	20.43	101.9	20.84	104.3	21.05
	33	69.3	12.86	82.7	16.44	92.3	18.96	95.0	20.25	97.9	21.57	100.3	21.93	103.0	22.06
	35	69.3	13.65	82.7	17.57	92.3	20.02	95.0	21.46	96.3	22.78	98.7	22.98	101.3	23.09
	37	69.3	14.47	82.7	18.64	92.3	21.14	93.6	22.73	94.7	24.02	97.3	24.10	99.7	24.17
	39	69.3	15.60	82.7	19.81	90.7	22.31	92.0	24.32	93.3	25.21	95.7	25.25	98.4	25.28
	41	67.5	16.73	80.5	20.98	86.7	23.52	88.1	26.30	89.3	26.30	91.9	26.51	94.2	26.72
	43	65.9	17.57	78.6	21.85	83.2	24.94	84.5	25.23	85.6	25.17	88.2	25.31	90.4	25.38
46	61.8	17.14	73.6	21.10	75.8	23.68	77.1	23.68	78.2	23.88	80.6	24.01	82.7	24.07	
48	54.6	16.65	64.0	20.33	65.9	22.52	67.1	22.68	68.0	22.78	70.1	22.85	72.0	22.94	



# 7. Capacity Tables

Cooling Capacity (32HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	60.5	6.50	72.0	7.91	83.8	9.38	89.6	10.13	95.4	10.88	105.7	12.12	108.0	12.22
	12	60.5	6.71	72.0	8.22	83.8	9.69	89.6	10.41	95.4	11.23	105.7	12.77	108.0	12.89
	14	60.5	6.93	72.0	8.56	83.8	10.10	89.6	10.85	95.4	11.72	105.7	13.48	108.0	13.61
	16	60.5	7.13	72.0	8.84	83.8	10.54	89.6	11.37	95.4	12.35	105.7	14.14	108.0	14.33
	18	60.5	7.34	72.0	9.17	83.8	10.95	89.6	11.93	95.4	13.09	105.7	14.94	108.0	15.05
	20	60.5	7.60	72.0	9.51	83.8	11.57	89.6	12.78	95.4	14.01	105.7	15.65	108.0	15.77
	21	60.5	7.76	72.0	9.74	83.8	11.98	89.6	13.22	95.4	14.53	105.7	16.01	108.0	16.13
	23	60.5	8.22	72.0	10.42	83.8	12.86	89.6	14.17	95.4	15.57	105.7	16.77	108.0	16.90
	25	60.5	8.74	72.0	11.10	83.8	13.73	89.6	15.17	95.4	16.65	105.7	17.47	107.2	17.62
	27	60.5	9.35	72.0	11.86	83.8	14.69	89.6	16.21	95.4	17.70	103.7	18.30	105.9	18.45
	29	60.5	9.94	72.0	12.65	83.8	15.69	89.6	17.32	95.4	18.73	101.8	19.04	104.3	19.19
	31	60.5	10.62	72.0	13.50	83.8	16.73	89.6	18.48	95.4	19.68	100.2	19.77	102.7	19.94
	33	60.5	11.26	72.0	14.37	83.8	17.85	89.6	19.72	95.4	20.43	98.6	20.51	101.1	20.67
	35	60.5	11.98	72.0	15.29	83.8	19.00	89.6	21.03	93.9	21.16	96.8	21.25	99.2	21.42
	37	60.5	12.83	72.0	16.40	83.8	20.13	89.6	22.04	92.3	22.15	95.0	22.24	97.3	22.44
	39	60.5	13.75	72.0	17.62	83.8	21.33	89.6	23.12	90.9	23.22	93.5	23.31	95.7	23.52
	41	59.5	14.68	70.9	18.83	82.5	22.53	85.9	24.20	87.8	24.29	89.9	24.38	92.8	24.61
	43	57.5	15.53	68.5	19.97	79.7	23.61	82.4	25.12	83.4	25.21	85.9	25.30	88.2	25.53
46	53.9	16.70	64.1	21.52	74.7	25.04	75.2	26.30	76.0	26.38	78.5	26.46	80.6	26.70	
48	47.7	14.43	56.8	18.63	64.5	21.41	65.4	22.31	66.1	22.39	68.3	22.44	70.1	22.62	
90	10	54.4	5.68	65.0	6.83	75.5	8.06	80.6	8.68	85.8	9.34	96.3	10.46	106.9	11.63
	12	54.4	5.75	65.0	6.94	75.5	8.19	80.6	8.85	85.8	9.55	96.3	10.67	106.9	11.83
	14	54.4	5.86	65.0	7.07	75.5	8.37	80.6	9.03	85.8	9.73	96.3	10.87	106.9	12.07
	16	54.4	5.96	65.0	7.22	75.5	8.54	80.6	9.21	85.8	9.90	96.3	11.08	106.9	12.28
	18	54.4	6.07	65.0	7.36	75.5	8.68	80.6	9.42	85.8	10.11	96.3	11.33	106.9	12.90
	20	54.4	6.17	65.0	7.49	75.5	8.85	80.6	9.58	85.8	10.49	96.3	12.12	106.9	13.52
	21	54.4	6.24	65.0	7.56	75.5	9.03	80.6	9.90	85.8	10.88	96.3	12.31	106.9	13.82
	23	54.4	6.38	65.0	7.88	75.5	9.66	80.6	10.63	85.8	11.65	96.3	13.06	105.4	14.48
	25	54.4	6.70	65.0	8.40	75.5	10.32	80.6	11.36	85.8	12.45	96.3	13.96	103.9	15.10
	27	54.4	7.15	65.0	8.96	75.5	11.02	80.6	12.14	85.8	13.32	96.3	14.84	102.4	15.81
	29	54.4	7.56	65.0	9.55	75.5	11.78	80.6	12.97	85.8	14.23	96.3	15.73	100.8	16.44
	31	54.4	8.06	65.0	10.18	75.5	12.56	80.6	13.81	85.8	15.16	96.3	16.51	99.3	17.08
	33	54.4	8.58	65.0	10.84	75.5	13.39	80.6	14.71	85.8	16.09	96.3	17.30	97.8	17.72
	35	54.4	9.10	65.0	11.51	75.5	14.23	80.6	15.68	85.8	17.06	94.7	18.30	96.3	18.72
	37	54.4	9.66	65.0	12.24	75.5	15.17	80.6	16.67	85.8	18.01	93.1	19.13	94.7	19.56
	39	54.4	10.23	65.0	13.01	75.5	16.05	80.6	17.74	85.8	18.93	91.7	20.17	93.3	20.41
	41	53.0	11.44	63.3	14.43	73.6	17.62	78.6	19.40	83.5	20.44	87.8	21.25	89.3	21.74
	43	51.7	12.35	61.7	15.60	71.8	19.24	76.6	20.89	81.5	21.91	84.2	22.76	85.7	23.03
46	48.5	13.90	57.9	17.76	67.2	21.93	71.8	23.68	74.1	24.35	76.8	24.99	78.3	25.02	
48	42.9	12.15	51.2	15.54	59.5	19.19	63.5	20.66	64.3	20.99	66.7	21.51	68.0	21.54	
80	10	48.3	4.85	57.6	5.83	66.9	6.84	71.7	7.38	76.5	7.92	85.8	9.03	95.0	9.81
	12	48.3	4.95	57.6	5.90	66.9	6.97	71.7	7.51	76.5	8.05	85.8	9.20	95.0	10.00
	14	48.3	5.02	57.6	6.03	66.9	7.07	71.7	7.65	76.5	8.19	85.8	9.37	95.0	10.20
	16	48.3	5.08	57.6	6.13	66.9	7.21	71.7	7.79	76.5	8.36	85.8	9.56	95.0	10.39
	18	48.3	5.19	57.6	6.24	66.9	7.35	71.7	7.92	76.5	8.52	85.8	9.74	95.0	10.62
	20	48.3	5.29	57.6	6.37	66.9	7.51	71.7	8.08	76.5	8.70	85.8	10.11	95.0	11.24
	21	48.3	5.33	57.6	6.43	66.9	7.58	71.7	8.19	76.5	8.89	85.8	10.43	95.0	11.55
	23	48.3	5.42	57.6	6.53	66.9	7.92	71.7	8.70	76.5	9.50	85.8	11.01	95.0	12.12
	25	48.3	5.62	57.6	6.97	66.9	8.49	71.7	9.30	76.5	10.18	85.8	11.78	95.0	12.95
	27	48.3	5.96	57.6	7.41	66.9	9.06	71.7	9.94	76.5	10.85	85.8	12.52	95.0	13.63
	29	48.3	6.34	57.6	7.92	66.9	9.64	71.7	10.59	76.5	11.60	85.8	13.42	95.0	14.59
	31	48.3	6.74	57.6	8.39	66.9	10.28	71.7	11.29	76.5	12.33	85.8	14.24	95.0	15.31
	33	48.3	7.15	57.6	8.96	66.9	10.95	71.7	12.03	76.5	13.14	85.8	15.00	95.0	16.06
	35	48.3	7.58	57.6	9.50	66.9	11.66	71.7	12.80	76.5	14.02	85.8	15.90	94.1	16.64
	37	48.3	8.02	57.6	10.10	66.9	12.36	71.7	13.62	76.5	14.89	85.8	16.78	92.5	17.40
	39	48.3	8.47	57.6	10.68	66.9	13.23	71.7	14.63	76.5	16.01	85.8	17.74	91.0	18.36
	41	47.1	9.38	56.1	11.84	65.1	14.52	69.9	16.04	74.5	17.59	83.5	19.74	87.2	20.34
	43	45.9	10.33	54.7	12.92	63.5	15.85	68.1	17.48	72.7	19.22	81.5	21.11	83.5	21.78
46	43.0	11.48	51.3	14.55	59.5	17.85	63.8	19.46	68.1	21.68	74.5	23.05	76.3	23.42	
48	38.1	10.03	45.4	12.72	52.7	15.62	56.5	17.00	60.3	18.98	64.8	19.95	66.3	20.16	

# 7. Capacity Tables

Cooling Capacity (32HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	42.2	4.34	50.6	5.16	58.6	5.98	62.7	6.46	66.9	6.90	74.9	7.87	83.2	8.80
	12	42.2	4.41	50.6	5.23	58.6	6.12	62.7	6.56	66.9	7.05	74.9	8.00	83.2	8.96
	14	42.2	4.48	50.6	5.30	58.6	6.23	62.7	6.67	66.9	7.15	74.9	8.17	83.2	9.13
	16	42.2	4.54	50.6	5.41	58.6	6.33	62.7	6.80	66.9	7.28	74.9	8.31	83.2	9.33
	18	42.2	4.62	50.6	5.51	58.6	6.46	62.7	6.94	66.9	7.42	74.9	8.44	83.2	9.49
	20	42.2	4.69	50.6	5.61	58.6	6.56	62.7	7.08	66.9	7.59	74.9	8.65	83.2	9.85
	21	42.2	4.75	50.6	5.64	58.6	6.64	62.7	7.15	66.9	7.66	74.9	8.79	83.2	10.05
	23	42.2	4.82	50.6	5.77	58.6	6.77	62.7	7.38	66.9	8.03	74.9	9.41	83.2	10.62
	25	42.2	4.89	50.6	5.98	58.6	7.21	62.7	7.90	66.9	8.58	74.9	10.05	83.2	11.13
	27	42.2	5.16	50.6	6.39	58.6	7.69	62.7	8.38	66.9	9.16	74.9	10.74	83.2	11.83
	29	42.2	5.51	50.6	6.77	58.6	8.17	62.7	8.92	66.9	9.74	74.9	11.46	83.2	12.67
	31	42.2	5.85	50.6	7.21	58.6	8.72	62.7	9.54	66.9	10.39	74.9	12.21	83.2	13.45
	33	42.2	6.18	50.6	7.62	58.6	9.26	62.7	10.12	66.9	11.05	74.9	13.00	83.2	14.31
	35	42.2	6.53	50.6	8.14	58.6	9.85	62.7	10.77	66.9	11.76	74.9	13.85	83.2	15.18
	37	42.2	6.94	50.6	8.62	58.6	10.46	62.7	11.46	66.9	12.51	74.9	14.74	83.2	16.02
	39	42.2	7.37	50.6	9.19	58.6	11.18	62.7	12.33	66.9	13.52	74.9	15.77	83.2	17.28
	41	41.1	8.15	49.3	10.07	57.1	12.27	61.1	13.51	65.1	14.69	73.0	17.32	81.1	18.64
	43	40.2	8.87	48.0	10.97	55.7	13.39	59.7	14.74	63.5	16.05	71.2	18.92	79.0	20.15
46	37.6	9.85	45.0	12.34	52.2	15.08	55.8	16.41	59.5	18.08	66.7	21.34	74.1	22.46	
48	33.3	8.60	39.8	10.77	46.1	13.18	49.4	14.34	52.7	15.82	59.0	18.67	65.6	19.44	
60	10	36.2	3.81	43.2	4.47	50.2	5.20	53.8	5.58	57.3	5.94	64.3	6.73	71.4	7.52
	12	36.2	3.88	43.2	4.54	50.2	5.28	53.8	5.66	57.3	6.04	64.3	6.83	71.4	7.67
	14	36.2	3.92	43.2	4.62	50.2	5.38	53.8	5.76	57.3	6.14	64.3	6.97	71.4	7.80
	16	36.2	3.99	43.2	4.72	50.2	5.44	53.8	5.86	57.3	6.28	64.3	7.11	71.4	7.94
	18	36.2	4.06	43.2	4.78	50.2	5.54	53.8	5.97	57.3	6.38	64.3	7.21	71.4	8.12
	20	36.2	4.13	43.2	4.85	50.2	5.66	53.8	6.07	57.3	6.48	64.3	7.36	71.4	8.28
	21	36.2	4.16	43.2	4.89	50.2	5.72	53.8	6.14	57.3	6.55	64.3	7.46	71.4	8.36
	23	36.2	4.23	43.2	5.00	50.2	5.79	53.8	6.24	57.3	6.70	64.3	7.74	71.4	8.88
	25	36.2	4.30	43.2	5.10	50.2	6.04	53.8	6.55	57.3	7.11	64.3	8.25	71.4	9.50
	27	36.2	4.44	43.2	5.38	50.2	6.42	53.8	6.97	57.3	7.56	64.3	8.77	71.4	10.13
	29	36.2	4.72	43.2	5.72	50.2	6.83	53.8	7.42	57.3	8.05	64.3	9.37	71.4	10.82
	31	36.2	5.00	43.2	6.07	50.2	7.24	53.8	7.90	57.3	8.56	64.3	9.98	71.4	11.51
	33	36.2	5.28	43.2	6.42	50.2	7.70	53.8	8.39	57.3	9.12	64.3	10.61	71.4	12.27
	35	36.2	5.58	43.2	6.83	50.2	8.18	53.8	8.91	57.3	9.68	64.3	11.30	71.4	13.04
	37	36.2	5.89	43.2	7.21	50.2	8.67	53.8	9.47	57.3	10.26	64.3	11.99	71.4	13.87
	39	36.2	6.27	43.2	7.67	50.2	9.35	53.8	10.16	57.3	11.05	64.3	12.87	71.4	14.86
	41	35.2	6.80	42.1	8.40	49.0	10.16	52.3	11.10	55.8	11.99	62.7	14.12	69.6	16.15
	43	34.4	7.39	41.1	9.14	47.7	11.08	51.1	12.09	54.4	13.08	61.1	15.41	67.8	17.65
46	32.2	8.28	38.4	10.27	44.8	12.46	47.9	13.59	51.0	14.71	57.3	17.37	63.5	20.11	
48	28.5	7.21	34.1	8.96	39.5	10.89	42.4	11.87	45.1	12.86	50.7	15.19	56.2	17.59	
50	10	30.2	3.34	36.2	3.87	41.9	4.40	44.8	4.71	47.7	4.99	53.4	5.63	59.5	6.26
	12	30.2	3.37	36.2	3.90	41.9	4.47	44.8	4.78	47.7	5.10	53.4	5.73	59.5	6.37
	14	30.2	3.42	36.2	3.97	41.9	4.53	44.8	4.85	47.7	5.17	53.4	5.81	59.5	6.47
	16	30.2	3.48	36.2	4.05	41.9	4.61	44.8	4.96	47.7	5.24	53.4	5.91	59.5	6.57
	18	30.2	3.52	36.2	4.08	41.9	4.68	44.8	5.03	47.7	5.34	53.4	6.01	59.5	6.72
	20	30.2	3.55	36.2	4.15	41.9	4.78	44.8	5.10	47.7	5.45	53.4	6.12	59.5	6.86
	21	30.2	3.59	36.2	4.18	41.9	4.82	44.8	5.17	47.7	5.49	53.4	6.19	59.5	6.92
	23	30.2	3.65	36.2	4.25	41.9	4.89	44.8	5.24	47.7	5.59	53.4	6.29	59.5	7.07
	25	30.2	3.70	36.2	4.33	41.9	4.99	44.8	5.34	47.7	5.77	53.4	6.61	59.5	7.57
	27	30.2	3.77	36.2	4.47	41.9	5.28	44.8	5.69	47.7	6.12	53.4	7.07	59.5	8.05
	29	30.2	3.97	36.2	4.75	41.9	5.59	44.8	6.05	47.7	6.51	53.4	7.49	59.5	8.55
	31	30.2	4.18	36.2	5.03	41.9	5.94	44.8	6.40	47.7	6.92	53.4	7.98	59.5	9.11
	33	30.2	4.43	36.2	5.31	41.9	6.29	44.8	6.79	47.7	7.35	53.4	8.48	59.5	9.71
	35	30.2	4.68	36.2	5.63	41.9	6.65	44.8	7.21	47.7	7.77	53.4	8.96	59.5	10.31
	37	30.2	4.96	36.2	5.94	41.9	7.04	44.8	7.63	47.7	8.23	53.4	9.56	59.5	10.94
	39	30.2	5.29	36.2	6.37	41.9	7.54	44.8	8.22	47.7	8.83	53.4	10.19	59.5	11.82
	41	29.4	5.72	35.2	6.90	40.8	8.25	43.7	8.90	46.4	9.57	52.0	11.17	57.9	12.83
	43	28.8	6.22	34.4	7.50	39.8	8.96	42.6	9.69	45.3	10.42	50.7	12.18	56.6	13.99
46	26.9	6.97	32.2	8.41	37.3	10.06	39.9	10.88	42.4	11.70	47.5	13.71	53.0	15.75	
48	23.8	6.07	28.5	7.34	33.0	8.78	35.3	9.49	37.6	10.21	42.1	11.98	46.9	13.77	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN340BTE5

Cooling Capacity (34HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	87.0	9.98	103.7	12.20	111.1	14.15	114.2	14.44	117.5	14.55	123.2	14.67	126.3	14.73
	12	87.0	10.23	103.7	12.63	111.1	14.73	114.2	14.83	117.5	14.95	123.2	15.07	126.3	15.19
	14	87.0	10.57	103.7	13.09	111.1	15.28	114.2	15.39	117.5	15.52	123.2	15.64	126.3	15.78
	16	87.0	10.95	103.7	13.55	111.1	15.97	114.2	16.11	117.5	16.25	123.2	16.39	126.3	16.52
	18	87.0	11.41	103.7	14.33	111.1	16.71	114.2	17.06	117.5	17.20	123.2	17.37	126.3	17.49
	20	87.0	11.92	103.7	15.27	111.1	17.52	114.2	18.77	117.5	18.92	123.2	19.11	126.3	19.24
	21	87.0	12.24	103.7	15.80	111.1	17.89	114.2	19.86	117.5	20.02	123.2	20.22	126.3	20.36
	23	87.0	13.12	103.7	16.63	111.1	18.82	114.2	21.92	115.9	22.10	118.9	22.31	122.1	22.47
	25	87.0	14.01	103.7	17.58	111.1	20.11	113.0	24.31	114.2	24.50	117.5	24.75	120.7	24.92
	27	87.0	15.00	103.7	18.79	109.7	21.44	111.1	26.76	113.0	26.97	115.9	27.24	118.9	27.43
	29	87.0	15.99	103.7	20.09	107.9	23.06	109.4	29.41	111.1	29.59	114.2	29.85	117.5	29.97
	31	87.0	17.06	103.4	21.16	106.2	24.53	107.9	29.28	109.4	29.46	112.5	29.73	115.7	29.85
	33	87.0	18.17	101.5	22.42	104.8	26.31	106.5	29.02	107.9	29.19	111.1	29.45	113.9	29.57
	35	87.0	19.37	99.7	23.48	102.9	28.50	104.8	28.64	106.5	28.81	109.3	29.07	112.5	29.19
	37	87.0	20.66	98.3	24.64	101.5	28.12	102.9	28.26	104.8	28.43	107.6	28.68	110.8	28.79
	39	87.0	22.00	96.6	25.94	99.7	27.75	101.5	27.89	102.9	28.05	106.2	28.30	109.3	28.41
	41	84.8	23.34	92.6	27.24	95.7	27.37	97.2	27.51	99.1	27.67	102.0	27.92	104.8	28.03
	43	82.7	24.61	88.7	26.86	91.8	26.99	93.2	27.12	95.1	27.29	98.0	27.54	100.6	27.64
46	77.6	26.34	81.0	26.29	83.9	26.43	85.2	26.56	87.0	26.72	89.7	26.96	92.1	27.06	
48	68.6	25.61	70.3	25.69	72.9	25.74	74.0	25.82	75.7	26.04	78.1	26.20	80.2	26.31	
120	10	80.5	8.98	95.7	11.01	104.6	13.08	107.7	14.14	111.0	14.36	117.0	14.42	119.9	14.53
	12	80.5	9.22	95.7	11.38	104.6	13.61	107.7	14.44	111.0	14.89	117.0	15.07	119.9	15.19
	14	80.5	9.54	95.7	11.76	104.6	14.15	107.7	14.98	111.0	15.44	117.0	15.67	119.9	15.79
	16	80.5	9.88	95.7	12.25	104.6	14.70	107.7	15.54	111.0	16.16	117.0	16.35	119.9	16.48
	18	80.5	10.27	95.7	12.80	104.6	15.30	107.7	16.36	111.0	16.98	117.0	17.17	119.9	17.31
	20	80.5	10.66	95.7	13.57	104.6	16.11	107.7	17.22	111.0	17.89	117.0	18.12	119.9	18.26
	21	80.5	10.98	95.7	14.06	104.6	16.57	107.7	17.72	111.0	18.47	117.0	18.70	119.9	18.85
	23	80.5	11.74	95.7	15.04	104.6	17.75	107.7	18.84	111.0	19.69	117.0	19.89	119.9	20.05
	25	80.5	12.54	95.7	16.11	104.6	18.73	107.7	20.08	111.0	21.12	115.6	21.29	118.4	21.46
	27	80.5	13.40	95.7	17.23	104.6	19.92	107.7	21.45	111.0	22.69	113.8	22.85	116.7	23.03
	29	80.5	14.29	95.7	18.39	104.6	20.97	107.7	22.96	109.1	24.18	112.0	24.55	115.3	24.75
	31	80.5	15.22	95.7	19.65	104.6	22.05	106.3	24.60	107.7	25.94	110.6	26.40	113.4	26.62
	33	80.5	16.20	95.7	20.94	103.2	23.33	104.6	26.69	106.0	27.86	108.8	28.17	111.7	28.39
	35	80.5	17.23	95.7	22.33	101.4	24.69	102.8	29.41	104.6	29.56	107.4	29.65	110.2	29.88
	37	80.5	18.53	95.7	23.55	100.0	26.33	101.4	28.79	102.8	28.93	105.7	29.02	108.5	29.25
	39	80.5	19.95	95.4	24.90	98.3	27.92	99.7	28.20	101.1	28.35	104.3	28.42	107.1	28.65
	41	78.5	21.38	91.2	26.23	94.3	27.37	95.6	27.61	97.0	27.75	99.8	27.83	102.6	28.05
	43	76.5	22.82	87.3	25.86	90.4	26.76	91.7	27.02	93.1	27.15	95.8	27.23	98.6	27.45
46	71.7	24.53	79.7	25.24	82.5	25.91	83.8	26.13	85.0	26.26	87.6	26.34	90.2	26.54	
48	63.4	24.03	69.2	24.79	71.7	25.41	72.8	25.56	74.0	25.65	76.2	25.75	78.5	25.85	
110	10	73.7	8.07	87.8	9.85	98.1	11.69	100.9	12.65	107.3	13.62	109.7	14.00	117.2	14.23
	12	73.7	8.33	87.8	10.17	98.1	12.18	100.9	13.02	107.3	14.13	109.7	14.58	117.2	14.93
	14	73.7	8.59	87.8	10.63	98.1	12.73	100.9	13.66	107.3	14.84	109.7	15.27	117.2	15.59
	16	73.7	8.90	87.8	11.02	98.1	13.26	100.9	14.26	107.3	15.53	109.7	15.96	117.2	16.23
	18	73.7	9.22	87.8	11.48	98.1	14.01	100.9	15.01	107.3	16.38	109.7	16.71	117.2	17.02
	20	73.7	9.55	87.8	12.05	98.1	14.87	100.9	15.70	107.3	17.17	109.7	17.60	117.2	17.89
	21	73.7	9.77	87.8	12.41	98.1	15.25	100.9	16.12	107.3	17.66	109.7	18.10	117.2	18.38
	23	73.7	10.40	87.8	13.31	98.1	16.10	100.9	17.02	107.3	18.65	109.7	19.05	117.2	19.36
	25	73.7	11.12	87.8	14.20	98.1	17.01	100.9	17.99	107.3	19.71	109.7	19.99	115.8	20.40
	27	73.7	11.87	87.8	15.18	98.1	17.98	100.9	19.04	107.3	20.58	109.7	21.04	114.1	21.41
	29	73.7	12.68	87.8	16.20	98.1	18.99	100.9	20.17	107.3	21.75	109.7	22.13	112.6	22.45
	31	73.7	13.48	87.8	17.28	98.1	20.08	100.9	21.37	105.5	22.85	108.3	23.30	110.8	23.54
	33	73.7	14.38	87.8	18.39	98.1	21.21	100.9	22.64	104.0	24.13	106.6	24.53	109.4	24.67
	35	73.7	15.27	87.8	19.65	98.1	22.39	100.9	24.00	102.3	25.47	104.8	25.70	107.7	25.83
	37	73.7	16.19	87.8	20.84	98.1	23.64	99.5	25.42	100.6	26.86	103.4	26.95	105.9	27.03
	39	73.7	17.44	87.8	22.16	96.3	24.95	97.7	27.19	99.2	28.19	101.7	28.24	104.5	28.27
	41	71.7	18.71	85.6	23.46	92.1	26.31	93.6	29.41	94.9	29.41	97.7	29.65	100.0	29.88
	43	70.0	19.65	83.5	24.44	88.4	27.90	89.8	28.21	91.0	28.15	93.7	28.30	96.0	28.39
46	65.6	19.17	78.2	23.60	80.6	26.48	82.0	26.48	83.1	26.71	85.6	26.85	87.8	26.92	
48	58.0	18.62	68.0	22.73	70.0	25.19	71.3	25.36	72.2	25.48	74.5	25.55	76.5	25.65	



# 7. Capacity Tables

Cooling Capacity (34HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	64.3	7.27	76.5	8.84	89.0	10.49	95.2	11.33	101.4	12.17	112.3	13.55	114.8	13.66
	12	64.3	7.50	76.5	9.20	89.0	10.84	95.2	11.64	101.4	12.56	112.3	14.28	114.8	14.42
	14	64.3	7.74	76.5	9.57	89.0	11.30	95.2	12.14	101.4	13.11	112.3	15.08	114.8	15.22
	16	64.3	7.98	76.5	9.88	89.0	11.78	95.2	12.71	101.4	13.81	112.3	15.81	114.8	16.03
	18	64.3	8.21	76.5	10.25	89.0	12.24	95.2	13.34	101.4	14.64	112.3	16.71	114.8	16.83
	20	64.3	8.50	76.5	10.64	89.0	12.94	95.2	14.29	101.4	15.67	112.3	17.50	114.8	17.64
	21	64.3	8.68	76.5	10.89	89.0	13.40	95.2	14.78	101.4	16.25	112.3	17.90	114.8	18.04
	23	64.3	9.20	76.5	11.65	89.0	14.38	95.2	15.85	101.4	17.41	112.3	18.75	114.8	18.90
	25	64.3	9.77	76.5	12.41	89.0	15.36	95.2	16.97	101.4	18.62	112.3	19.54	113.9	19.70
	27	64.3	10.45	76.5	13.26	89.0	16.43	95.2	18.13	101.4	19.79	110.2	20.46	112.5	20.63
	29	64.3	11.12	76.5	14.15	89.0	17.55	95.2	19.37	101.4	20.95	108.1	21.29	110.8	21.46
	31	64.3	11.87	76.5	15.09	89.0	18.70	95.2	20.67	101.4	22.01	106.5	22.11	109.1	22.29
	33	64.3	12.59	76.5	16.07	89.0	19.96	95.2	22.05	101.4	22.84	104.8	22.94	107.4	23.12
	35	64.3	13.40	76.5	17.09	89.0	21.25	95.2	23.52	99.8	23.66	102.9	23.76	105.5	23.95
	37	64.3	14.35	76.5	18.34	89.0	22.51	95.2	24.64	98.1	24.77	100.9	24.87	103.4	25.10
	39	64.3	15.38	76.5	19.70	89.0	23.86	95.2	25.85	96.5	25.97	99.4	26.07	101.7	26.31
	41	63.2	16.42	75.3	21.06	87.6	25.19	91.3	27.06	93.3	27.17	95.5	27.26	98.6	27.52
	43	61.1	17.37	72.7	22.33	84.7	26.40	87.6	28.09	88.6	28.19	91.3	28.29	93.7	28.55
46	57.2	18.68	68.1	24.07	79.3	28.00	79.9	29.41	80.8	29.50	83.4	29.59	85.6	29.86	
48	50.7	16.13	60.3	20.83	68.5	23.94	69.5	24.95	70.2	25.04	72.5	25.09	74.5	25.29	
90	10	57.8	6.30	69.1	7.57	80.2	8.93	85.6	9.62	91.2	10.36	102.3	11.60	113.6	12.89
	12	57.8	6.38	69.1	7.69	80.2	9.08	85.6	9.81	91.2	10.59	102.3	11.83	113.6	13.12
	14	57.8	6.49	69.1	7.84	80.2	9.28	85.6	10.01	91.2	10.78	102.3	12.05	113.6	13.38
	16	57.8	6.61	69.1	8.00	80.2	9.46	85.6	10.20	91.2	10.97	102.3	12.28	113.6	13.61
	18	57.8	6.73	69.1	8.15	80.2	9.62	85.6	10.44	91.2	11.20	102.3	12.55	113.6	14.30
	20	57.8	6.84	69.1	8.30	80.2	9.81	85.6	10.62	91.2	11.63	102.3	13.43	113.6	14.99
	21	57.8	6.91	69.1	8.38	80.2	10.01	85.6	10.97	91.2	12.06	102.3	13.64	113.6	15.32
	23	57.8	7.07	69.1	8.73	80.2	10.70	85.6	11.78	91.2	12.91	102.3	14.47	112.0	16.05
	25	57.8	7.42	69.1	9.31	80.2	11.44	85.6	12.59	91.2	13.80	102.3	15.47	110.4	16.73
	27	57.8	7.92	69.1	9.93	80.2	12.21	85.6	13.45	91.2	14.76	102.3	16.45	108.8	17.52
	29	57.8	8.38	69.1	10.59	80.2	13.06	85.6	14.38	91.2	15.77	102.3	17.43	107.1	18.22
	31	57.8	8.93	69.1	11.28	80.2	13.92	85.6	15.31	91.2	16.80	102.3	18.30	105.5	18.93
	33	57.8	9.51	69.1	12.01	80.2	14.84	85.6	16.31	91.2	17.83	102.3	19.18	103.9	19.64
	35	57.8	10.09	69.1	12.76	80.2	15.77	85.6	17.38	91.2	18.91	100.6	20.28	102.3	20.75
	37	57.8	10.70	69.1	13.57	80.2	16.82	85.6	18.47	91.2	19.96	98.9	21.20	100.6	21.67
	39	57.8	11.34	69.1	14.42	80.2	17.79	85.6	19.66	91.2	20.98	97.4	22.36	99.1	22.62
	41	56.3	12.68	67.2	15.99	78.2	19.53	83.5	21.50	88.8	22.66	93.3	23.56	94.9	24.10
	43	54.9	13.69	65.5	17.29	76.2	21.33	81.4	23.15	86.6	24.29	89.5	25.23	91.0	25.53
46	51.5	15.41	61.5	19.69	71.4	24.31	76.3	26.25	78.7	26.99	81.6	27.69	83.2	27.73	
48	45.6	13.46	54.4	17.22	63.2	21.26	67.5	22.89	68.3	23.26	70.9	23.84	72.3	23.87	
80	10	51.3	5.31	61.2	6.38	71.1	7.49	76.2	8.08	81.3	8.67	91.2	9.89	100.9	10.74
	12	51.3	5.42	61.2	6.46	71.1	7.64	76.2	8.23	81.3	8.82	91.2	10.07	100.9	10.95
	14	51.3	5.50	61.2	6.61	71.1	7.75	76.2	8.37	81.3	8.97	91.2	10.26	100.9	11.17
	16	51.3	5.57	61.2	6.72	71.1	7.89	76.2	8.53	81.3	9.15	91.2	10.47	100.9	11.37
	18	51.3	5.68	61.2	6.83	71.1	8.05	76.2	8.67	81.3	9.33	91.2	10.66	100.9	11.62
	20	51.3	5.79	61.2	6.98	71.1	8.23	76.2	8.85	81.3	9.52	91.2	11.07	100.9	12.31
	21	51.3	5.83	61.2	7.04	71.1	8.31	76.2	8.97	81.3	9.74	91.2	11.42	100.9	12.64
	23	51.3	5.94	61.2	7.15	71.1	8.67	76.2	9.52	81.3	10.41	91.2	12.06	100.9	13.27
	25	51.3	6.16	61.2	7.64	71.1	9.30	76.2	10.18	81.3	11.14	91.2	12.90	100.9	14.18
	27	51.3	6.53	61.2	8.12	71.1	9.93	76.2	10.89	81.3	11.88	91.2	13.71	100.9	14.92
	29	51.3	6.94	61.2	8.67	71.1	10.55	76.2	11.59	81.3	12.70	91.2	14.69	100.9	15.97
	31	51.3	7.38	61.2	9.19	71.1	11.26	76.2	12.36	81.3	13.50	91.2	15.59	100.9	16.77
	33	51.3	7.82	61.2	9.81	71.1	11.99	76.2	13.17	81.3	14.39	91.2	16.42	100.9	17.59
	35	51.3	8.31	61.2	10.41	71.1	12.77	76.2	14.02	81.3	15.35	91.2	17.42	99.9	18.22
	37	51.3	8.79	61.2	11.06	71.1	13.54	76.2	14.91	81.3	16.31	91.2	18.38	98.3	19.06
	39	51.3	9.28	61.2	11.69	71.1	14.49	76.2	16.03	81.3	17.53	91.2	19.42	96.7	20.10
	41	50.1	10.27	59.6	12.96	69.2	15.90	74.2	17.56	79.1	19.26	88.8	21.61	92.6	22.27
	43	48.8	11.31	58.1	14.15	67.5	17.36	72.3	19.15	77.3	21.05	86.6	23.12	88.8	23.85
46	45.7	12.57	54.5	15.93	63.2	19.55	67.8	21.31	72.3	23.75	79.1	25.24	81.0	25.64	
48	40.5	10.98	48.2	13.93	56.0	17.10	60.0	18.61	64.0	20.79	68.8	21.85	70.5	22.07	

# 7. Capacity Tables

Cooling Capacity (34HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	44.8	4.70	53.8	5.58	62.3	6.47	66.6	6.99	71.1	7.47	79.6	8.51	88.4	9.52
	12	44.8	4.77	53.8	5.66	62.3	6.63	66.6	7.10	71.1	7.62	79.6	8.66	88.4	9.69
	14	44.8	4.85	53.8	5.74	62.3	6.74	66.6	7.21	71.1	7.74	79.6	8.85	88.4	9.88
	16	44.8	4.92	53.8	5.85	62.3	6.85	66.6	7.36	71.1	7.88	79.6	8.99	88.4	10.09
	18	44.8	4.99	53.8	5.96	62.3	6.99	66.6	7.51	71.1	8.03	79.6	9.14	88.4	10.27
	20	44.8	5.07	53.8	6.07	62.3	7.10	66.6	7.66	71.1	8.21	79.6	9.36	88.4	10.66
	21	44.8	5.14	53.8	6.10	62.3	7.18	66.6	7.74	71.1	8.29	79.6	9.51	88.4	10.88
	23	44.8	5.22	53.8	6.25	62.3	7.33	66.6	7.99	71.1	8.69	79.6	10.18	88.4	11.49
	25	44.8	5.29	53.8	6.47	62.3	7.80	66.6	8.55	71.1	9.29	79.6	10.88	88.4	12.05
	27	44.8	5.58	53.8	6.92	62.3	8.32	66.6	9.07	71.1	9.91	79.6	11.62	88.4	12.80
	29	44.8	5.96	53.8	7.33	62.3	8.85	66.6	9.66	71.1	10.54	79.6	12.40	88.4	13.71
	31	44.8	6.33	53.8	7.80	62.3	9.43	66.6	10.32	71.1	11.24	79.6	13.21	88.4	14.56
	33	44.8	6.69	53.8	8.25	62.3	10.02	66.6	10.95	71.1	11.95	79.6	14.06	88.4	15.49
	35	44.8	7.07	53.8	8.80	62.3	10.66	66.6	11.65	71.1	12.73	79.6	14.98	88.4	16.43
	37	44.8	7.51	53.8	9.33	62.3	11.32	66.6	12.40	71.1	13.54	79.6	15.95	88.4	17.34
	39	44.8	7.97	53.8	9.94	62.3	12.10	66.6	13.34	71.1	14.63	79.6	17.07	88.4	18.70
	41	43.7	8.82	52.4	10.90	60.6	13.28	64.9	14.63	69.2	15.90	77.6	18.74	86.1	20.17
	43	42.7	9.60	51.0	11.87	59.2	14.49	63.4	15.95	67.5	17.37	75.6	20.48	84.0	21.80
46	40.0	10.66	47.9	13.35	55.5	16.32	59.3	17.76	63.2	19.57	70.8	23.09	78.7	24.30	
48	35.4	9.30	42.3	11.66	49.0	14.26	52.5	15.52	56.0	17.12	62.7	20.21	69.7	21.03	
60	10	38.5	4.08	45.9	4.78	53.3	5.57	57.2	5.97	60.9	6.35	68.3	7.20	75.9	8.05
	12	38.5	4.16	45.9	4.86	53.3	5.64	57.2	6.05	60.9	6.46	68.3	7.31	75.9	8.20
	14	38.5	4.19	45.9	4.94	53.3	5.75	57.2	6.16	60.9	6.57	68.3	7.45	75.9	8.34
	16	38.5	4.27	45.9	5.05	53.3	5.82	57.2	6.27	60.9	6.71	68.3	7.61	75.9	8.50
	18	38.5	4.34	45.9	5.11	53.3	5.93	57.2	6.38	60.9	6.82	68.3	7.72	75.9	8.68
	20	38.5	4.42	45.9	5.19	53.3	6.05	57.2	6.49	60.9	6.93	68.3	7.87	75.9	8.86
	21	38.5	4.45	45.9	5.23	53.3	6.12	57.2	6.57	60.9	7.01	68.3	7.98	75.9	8.94
	23	38.5	4.53	45.9	5.35	53.3	6.19	57.2	6.68	60.9	7.16	68.3	8.28	75.9	9.50
	25	38.5	4.60	45.9	5.46	53.3	6.46	57.2	7.01	60.9	7.61	68.3	8.83	75.9	10.16
	27	38.5	4.75	45.9	5.75	53.3	6.87	57.2	7.45	60.9	8.09	68.3	9.38	75.9	10.83
	29	38.5	5.05	45.9	6.12	53.3	7.31	57.2	7.94	60.9	8.61	68.3	10.02	75.9	11.57
	31	38.5	5.35	45.9	6.49	53.3	7.75	57.2	8.45	60.9	9.16	68.3	10.68	75.9	12.31
	33	38.5	5.64	45.9	6.87	53.3	8.23	57.2	8.97	60.9	9.75	68.3	11.35	75.9	13.13
	35	38.5	5.97	45.9	7.31	53.3	8.75	57.2	9.53	60.9	10.35	68.3	12.09	75.9	13.94
	37	38.5	6.30	45.9	7.71	53.3	9.27	57.2	10.13	60.9	10.98	68.3	12.83	75.9	14.84
	39	38.5	6.71	45.9	8.21	53.3	10.00	57.2	10.87	60.9	11.82	68.3	13.77	75.9	15.90
	41	37.4	7.28	44.7	8.99	52.1	10.87	55.6	11.87	59.3	12.82	66.6	15.10	73.9	17.28
	43	36.5	7.90	43.6	9.78	50.7	11.85	54.3	12.93	57.8	13.99	64.9	16.49	72.0	18.88
46	34.2	8.85	40.9	10.98	47.6	13.33	50.9	14.54	54.2	15.73	60.9	18.58	67.5	21.51	
48	30.3	7.71	36.2	9.59	42.0	11.65	45.0	12.69	47.9	13.75	53.8	16.25	59.8	18.82	
50	10	32.1	3.54	38.5	4.09	44.5	4.65	47.6	4.98	50.7	5.28	56.7	5.95	63.2	6.62
	12	32.1	3.57	38.5	4.13	44.5	4.73	47.6	5.06	50.7	5.40	56.7	6.06	63.2	6.73
	14	32.1	3.61	38.5	4.20	44.5	4.79	47.6	5.13	50.7	5.46	56.7	6.14	63.2	6.84
	16	32.1	3.68	38.5	4.28	44.5	4.87	47.6	5.24	50.7	5.54	56.7	6.25	63.2	6.95
	18	32.1	3.72	38.5	4.31	44.5	4.95	47.6	5.32	50.7	5.65	56.7	6.36	63.2	7.10
	20	32.1	3.75	38.5	4.39	44.5	5.06	47.6	5.40	50.7	5.77	56.7	6.47	63.2	7.26
	21	32.1	3.80	38.5	4.42	44.5	5.10	47.6	5.46	50.7	5.80	56.7	6.55	63.2	7.32
	23	32.1	3.86	38.5	4.50	44.5	5.17	47.6	5.54	50.7	5.91	56.7	6.66	63.2	7.48
	25	32.1	3.91	38.5	4.58	44.5	5.28	47.6	5.65	50.7	6.10	56.7	6.99	63.2	8.00
	27	32.1	3.98	38.5	4.73	44.5	5.58	47.6	6.02	50.7	6.47	56.7	7.48	63.2	8.52
	29	32.1	4.20	38.5	5.02	44.5	5.91	47.6	6.39	50.7	6.88	56.7	7.92	63.2	9.04
	31	32.1	4.42	38.5	5.32	44.5	6.28	47.6	6.76	50.7	7.32	56.7	8.44	63.2	9.63
	33	32.1	4.68	38.5	5.62	44.5	6.66	47.6	7.18	50.7	7.77	56.7	8.96	63.2	10.27
	35	32.1	4.95	38.5	5.95	44.5	7.03	47.6	7.63	50.7	8.22	56.7	9.48	63.2	10.90
	37	32.1	5.24	38.5	6.28	44.5	7.44	47.6	8.07	50.7	8.70	56.7	10.11	63.2	11.57
	39	32.1	5.59	38.5	6.74	44.5	7.97	47.6	8.69	50.7	9.34	56.7	10.78	63.2	12.50
	41	31.3	6.05	37.4	7.29	43.4	8.72	46.4	9.41	49.3	10.12	55.3	11.81	61.6	13.57
	43	30.6	6.57	36.5	7.93	42.3	9.48	45.3	10.24	48.2	11.02	53.9	12.88	60.1	14.80
46	28.6	7.37	34.2	8.89	39.7	10.64	42.4	11.50	45.1	12.37	50.5	14.50	56.3	16.66	
48	25.3	6.41	30.3	7.76	35.1	9.28	37.5	10.04	39.9	10.80	44.7	12.66	49.8	14.56	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN360BTE5

Cooling Capacity (36HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	92.1	10.83	109.8	13.23	117.6	15.35	121.0	15.67	124.4	15.79	130.4	15.92	133.8	15.98
	12	92.1	11.10	109.8	13.70	117.6	15.98	121.0	16.09	124.4	16.22	130.4	16.35	133.8	16.49
	14	92.1	11.47	109.8	14.20	117.6	16.58	121.0	16.70	124.4	16.84	130.4	16.98	133.8	17.13
	16	92.1	11.89	109.8	14.70	117.6	17.33	121.0	17.49	124.4	17.63	130.4	17.79	133.8	17.92
	18	92.1	12.39	109.8	15.55	117.6	18.13	121.0	18.51	124.4	18.66	130.4	18.85	133.8	18.98
	20	92.1	12.94	109.8	16.57	117.6	19.02	121.0	20.36	124.4	20.53	128.5	20.73	131.9	20.88
	21	92.1	13.28	109.8	17.14	117.6	19.42	121.0	21.55	124.4	21.73	127.8	21.94	131.1	22.10
	23	92.1	14.24	109.8	18.04	117.6	20.42	121.0	23.79	122.8	23.98	125.9	24.21	129.3	24.38
	25	92.1	15.21	109.8	19.08	117.6	21.83	119.6	26.38	121.0	26.58	124.4	26.85	127.8	27.04
	27	92.1	16.28	109.8	20.39	116.1	23.26	117.6	29.04	119.6	29.27	122.8	29.56	125.9	29.76
	29	92.1	17.35	109.8	21.80	114.3	25.02	115.9	31.92	117.6	32.11	121.0	32.39	124.4	32.52
	31	92.1	18.51	109.4	22.96	112.4	26.61	114.3	31.77	115.9	31.96	119.1	32.26	122.5	32.39
	33	92.1	19.72	107.5	24.33	110.9	28.55	112.7	31.49	114.3	31.68	117.6	31.96	120.6	32.08
	35	92.1	21.02	105.6	25.48	109.0	30.92	110.9	31.08	112.7	31.26	115.8	31.54	119.1	31.67
	37	92.1	22.42	104.1	26.74	107.5	30.51	109.0	30.67	110.9	30.85	113.9	31.12	117.3	31.24
	39	92.1	23.87	102.3	28.15	105.6	30.11	107.5	30.26	109.0	30.43	112.4	30.71	115.8	30.83
	41	89.8	25.33	98.1	29.55	101.4	29.70	102.9	29.85	104.9	30.02	108.0	30.29	111.0	30.42
	43	87.6	26.71	93.9	29.14	97.2	29.29	98.7	29.43	100.7	29.61	103.8	29.88	106.6	29.99
46	82.1	28.59	85.7	28.53	88.8	28.67	90.2	28.82	92.1	28.99	95.0	29.26	97.6	29.36	
48	72.6	27.79	74.4	27.88	77.2	27.93	78.4	28.01	80.1	28.26	82.7	28.43	85.0	28.54	
120	10	85.2	9.75	101.4	11.95	110.7	14.19	114.1	15.34	117.5	15.58	123.9	15.64	126.9	15.77
	12	85.2	10.01	101.4	12.35	110.7	14.76	114.1	15.66	117.5	16.16	123.9	16.36	126.9	16.48
	14	85.2	10.35	101.4	12.77	110.7	15.36	114.1	16.26	117.5	16.75	123.9	17.00	126.9	17.14
	16	85.2	10.72	101.4	13.29	110.7	15.95	114.1	16.86	117.5	17.53	123.9	17.74	126.9	17.88
	18	85.2	11.14	101.4	13.89	110.7	16.60	114.1	17.76	117.5	18.42	123.9	18.64	126.9	18.79
	20	85.2	11.57	101.4	14.73	110.7	17.48	114.1	18.69	117.5	19.41	123.9	19.66	126.9	19.82
	21	85.2	11.92	101.4	15.26	110.7	17.98	114.1	19.23	117.5	20.04	123.9	20.29	126.9	20.45
	23	85.2	12.74	101.4	16.32	110.7	19.26	114.1	20.44	117.5	21.36	123.9	21.58	126.9	21.76
	25	85.2	13.61	101.4	17.48	110.7	20.32	114.1	21.79	117.5	22.91	122.4	23.10	125.4	23.29
	27	85.2	14.53	101.4	18.70	110.7	21.62	114.1	23.27	117.5	24.62	120.5	24.79	123.6	24.99
	29	85.2	15.50	101.4	19.95	110.7	22.76	114.1	24.91	115.6	26.24	118.6	26.64	122.0	26.85
	31	85.2	16.52	101.4	21.32	110.7	23.93	112.6	26.69	114.1	28.15	117.1	28.65	120.1	28.88
	33	85.2	17.58	101.4	22.72	109.2	25.32	110.7	28.96	112.2	30.23	115.2	30.57	118.2	30.81
	35	85.2	18.70	101.4	24.22	107.4	26.79	108.9	31.92	110.7	32.07	113.7	32.17	116.7	32.42
	37	85.2	20.11	101.4	25.55	105.9	28.57	107.4	31.24	108.9	31.39	111.9	31.49	114.9	31.74
	39	85.2	21.65	101.0	27.01	104.0	30.30	105.5	30.60	107.0	30.76	110.4	30.84	113.4	31.09
	41	83.1	23.19	96.6	28.46	99.9	29.70	101.2	29.96	102.7	30.11	105.7	30.20	108.7	30.43
	43	81.0	24.76	92.5	28.06	95.7	29.04	97.1	29.32	98.6	29.46	101.4	29.55	104.4	29.79
46	75.9	26.61	84.3	27.39	87.4	28.12	88.7	28.35	90.0	28.49	92.8	28.58	95.5	28.80	
48	67.2	26.08	73.2	26.90	76.0	27.57	77.1	27.74	78.3	27.83	80.7	27.94	83.1	28.05	
110	10	78.0	8.76	93.0	10.69	103.8	12.69	106.8	13.73	113.6	14.78	116.2	15.19	124.1	15.44
	12	78.0	9.04	93.0	11.04	103.8	13.22	106.8	14.12	113.6	15.33	116.2	15.83	124.1	16.19
	14	78.0	9.32	93.0	11.54	103.8	13.81	106.8	14.82	113.6	16.11	116.2	16.57	124.1	16.91
	16	78.0	9.65	93.0	11.95	103.8	14.38	106.8	15.47	113.6	16.85	116.2	17.31	124.1	17.61
	18	78.0	10.01	93.0	12.45	103.8	15.21	106.8	16.29	113.6	17.77	116.2	18.13	124.1	18.47
	20	78.0	10.36	93.0	13.08	103.8	16.13	106.8	17.04	113.6	18.64	116.2	19.10	124.1	19.41
	21	78.0	10.60	93.0	13.47	103.8	16.54	106.8	17.49	113.6	19.16	116.2	19.64	124.1	19.95
	23	78.0	11.29	93.0	14.44	103.8	17.47	106.8	18.47	113.6	20.23	116.2	20.67	124.1	21.01
	25	78.0	12.06	93.0	15.41	103.8	18.45	106.8	19.52	113.6	21.38	116.2	21.69	122.6	22.13
	27	78.0	12.88	93.0	16.47	103.8	19.50	106.8	20.66	113.6	22.33	116.2	22.84	120.8	23.23
	29	78.0	13.76	93.0	17.58	103.8	20.61	106.8	21.88	113.6	23.60	116.2	24.01	119.2	24.36
	31	78.0	14.63	93.0	18.75	103.8	21.78	106.8	23.19	111.7	24.80	114.7	25.29	117.3	25.55
	33	78.0	15.60	93.0	19.95	103.8	23.01	106.8	24.57	110.2	26.18	112.8	26.62	115.8	26.77
	35	78.0	16.57	93.0	21.32	103.8	24.30	106.8	26.04	108.3	27.64	111.0	27.89	114.0	28.02
	37	78.0	17.56	93.0	22.62	103.8	25.65	105.3	27.58	106.5	29.14	109.5	29.24	112.1	29.33
	39	78.0	18.93	93.0	24.04	102.0	27.07	103.5	29.51	105.0	30.59	107.6	30.64	110.6	30.67
	41	76.0	20.30	90.6	25.45	97.6	28.54	99.1	31.92	100.4	31.92	103.4	32.17	105.9	32.42
	43	74.1	21.32	88.4	26.52	93.6	30.27	95.1	30.61	96.3	30.55	99.2	30.71	101.7	30.80
46	69.5	20.80	82.8	25.60	85.3	28.73	86.8	28.73	87.9	28.98	90.6	29.14	93.0	29.21	
48	61.5	20.20	72.0	24.67	74.1	27.33	75.5	27.51	76.5	27.65	78.9	27.73	80.9	27.83	

# 7. Capacity Tables

Cooling Capacity (36HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	68.1	7.89	81.0	9.59	94.3	11.38	100.8	12.29	107.3	13.21	118.9	14.70	121.5	14.82
	12	68.1	8.14	81.0	9.98	94.3	11.76	100.8	12.63	107.3	13.63	118.9	15.50	121.5	15.64
	14	68.1	8.40	81.0	10.38	94.3	12.26	100.8	13.17	107.3	14.22	118.9	16.36	121.5	16.51
	16	68.1	8.66	81.0	10.73	94.3	12.78	100.8	13.79	107.3	14.98	118.9	17.16	121.5	17.39
	18	68.1	8.91	81.0	11.13	94.3	13.28	100.8	14.47	107.3	15.89	118.9	18.13	121.5	18.27
	20	68.1	9.23	81.0	11.54	94.3	14.05	100.8	15.50	107.3	17.01	118.9	18.99	121.5	19.14
	21	68.1	9.42	81.0	11.82	94.3	14.53	100.8	16.04	107.3	17.63	118.9	19.42	121.5	19.58
	23	68.1	9.98	81.0	12.64	94.3	15.60	100.8	17.20	107.3	18.89	118.9	20.34	121.5	20.51
	25	68.1	10.61	81.0	13.47	94.3	16.66	100.8	18.41	107.3	20.20	118.9	21.20	120.6	21.38
	27	68.1	11.34	81.0	14.39	94.3	17.83	100.8	19.67	107.3	21.48	116.7	22.20	119.1	22.38
	29	68.1	12.06	81.0	15.35	94.3	19.04	100.8	21.02	107.3	22.73	114.5	23.10	117.3	23.29
	31	68.1	12.88	81.0	16.38	94.3	20.30	100.8	22.43	107.3	23.89	112.8	23.99	115.5	24.19
	33	68.1	13.66	81.0	17.44	94.3	21.66	100.8	23.93	107.3	24.79	111.0	24.89	113.7	25.08
	35	68.1	14.53	81.0	18.55	94.3	23.05	100.8	25.52	105.6	25.68	108.9	25.79	111.7	25.99
	37	68.1	15.57	81.0	19.90	94.3	24.42	100.8	26.74	103.9	26.88	106.9	26.98	109.5	27.23
	39	68.1	16.69	81.0	21.38	94.3	25.88	100.8	28.05	102.2	28.17	105.2	28.29	107.7	28.55
	41	66.9	17.81	79.7	22.85	92.8	27.34	96.7	29.36	98.8	29.48	101.1	29.58	104.4	29.86
	43	64.7	18.85	77.0	24.23	89.7	28.65	92.7	30.48	93.8	30.59	96.7	30.69	99.3	30.98
46	60.6	20.27	72.1	26.11	84.0	30.39	84.6	31.92	85.6	32.01	88.3	32.10	90.7	32.40	
48	53.6	17.51	63.8	22.60	72.5	25.98	73.6	27.08	74.4	27.17	76.8	27.23	78.9	27.45	
90	10	61.2	6.83	73.1	8.22	84.9	9.69	90.7	10.44	96.5	11.24	108.3	12.58	120.3	13.99
	12	61.2	6.92	73.1	8.34	84.9	9.85	90.7	10.65	96.5	11.49	108.3	12.83	120.3	14.23
	14	61.2	7.05	73.1	8.51	84.9	10.07	90.7	10.86	96.5	11.70	108.3	13.07	120.3	14.52
	16	61.2	7.17	73.1	8.68	84.9	10.27	90.7	11.07	96.5	11.91	108.3	13.32	120.3	14.77
	18	61.2	7.30	73.1	8.85	84.9	10.44	90.7	11.33	96.5	12.16	108.3	13.62	120.3	15.52
	20	61.2	7.42	73.1	9.01	84.9	10.65	90.7	11.53	96.5	12.62	108.3	14.57	120.3	16.26
	21	61.2	7.50	73.1	9.10	84.9	10.86	90.7	11.91	96.5	13.09	108.3	14.80	120.3	16.63
	23	61.2	7.68	73.1	9.48	84.9	11.62	90.7	12.79	96.5	14.01	108.3	15.71	118.6	17.41
	25	61.2	8.05	73.1	10.11	84.9	12.41	90.7	13.67	96.5	14.97	108.3	16.79	116.9	18.16
	27	61.2	8.60	73.1	10.77	84.9	13.25	90.7	14.60	96.5	16.02	108.3	17.85	115.2	19.01
	29	61.2	9.10	73.1	11.49	84.9	14.17	90.7	15.60	96.5	17.11	108.3	18.91	113.4	19.77
	31	61.2	9.69	73.1	12.25	84.9	15.10	90.7	16.61	96.5	18.24	108.3	19.86	111.7	20.55
	33	61.2	10.32	73.1	13.04	84.9	16.11	90.7	17.69	96.5	19.35	108.3	20.81	110.0	21.31
	35	61.2	10.95	73.1	13.84	84.9	17.11	90.7	18.87	96.5	20.52	106.5	22.01	108.3	22.51
	37	61.2	11.62	73.1	14.72	84.9	18.25	90.7	20.05	96.5	21.66	104.8	23.01	106.6	23.52
	39	61.2	12.30	73.1	15.65	84.9	19.30	90.7	21.34	96.5	22.77	103.1	24.26	104.9	24.55
	41	59.7	13.76	71.2	17.35	82.8	21.19	88.4	23.33	94.0	24.59	98.7	25.56	100.5	26.15
	43	58.2	14.86	69.4	18.76	80.7	23.15	86.2	25.12	91.7	26.36	94.7	27.38	96.4	27.70
46	54.5	16.72	65.1	21.36	75.6	26.38	80.8	28.49	83.3	29.29	86.4	30.05	88.1	30.09	
48	48.2	14.61	57.6	18.69	66.9	23.08	71.4	24.85	72.3	25.24	75.1	25.87	76.5	25.90	
80	10	54.3	5.76	64.8	6.92	75.3	8.12	80.7	8.77	86.1	9.41	96.5	10.73	106.9	11.65
	12	54.3	5.88	64.8	7.01	75.3	8.28	80.7	8.92	86.1	9.57	96.5	10.92	106.9	11.88
	14	54.3	5.96	64.8	7.17	75.3	8.40	80.7	9.08	86.1	9.72	96.5	11.13	106.9	12.11
	16	54.3	6.04	64.8	7.29	75.3	8.56	80.7	9.25	86.1	9.93	96.5	11.36	106.9	12.34
	18	54.3	6.16	64.8	7.41	75.3	8.73	80.7	9.41	86.1	10.12	96.5	11.57	106.9	12.61
	20	54.3	6.28	64.8	7.57	75.3	8.92	80.7	9.60	86.1	10.33	96.5	12.00	106.9	13.35
	21	54.3	6.33	64.8	7.64	75.3	9.01	80.7	9.72	86.1	10.56	96.5	12.39	106.9	13.71
	23	54.3	6.44	64.8	7.76	75.3	9.41	80.7	10.33	86.1	11.29	96.5	13.08	106.9	14.39
	25	54.3	6.68	64.8	8.28	75.3	10.09	80.7	11.05	86.1	12.09	96.5	14.00	106.9	15.38
	27	54.3	7.08	64.8	8.80	75.3	10.77	80.7	11.81	86.1	12.89	96.5	14.87	106.9	16.19
	29	54.3	7.53	64.8	9.41	75.3	11.45	80.7	12.57	86.1	13.77	96.5	15.93	106.9	17.32
	31	54.3	8.00	64.8	9.97	75.3	12.21	80.7	13.41	86.1	14.65	96.5	16.91	106.9	18.19
	33	54.3	8.49	64.8	10.65	75.3	13.01	80.7	14.28	86.1	15.60	96.5	17.81	106.9	19.07
	35	54.3	9.01	64.8	11.29	75.3	13.85	80.7	15.20	86.1	16.65	96.5	18.89	105.8	19.76
	37	54.3	9.53	64.8	12.00	75.3	14.68	80.7	16.17	86.1	17.69	96.5	19.94	104.1	20.67
	39	54.3	10.06	64.8	12.68	75.3	15.71	80.7	17.38	86.1	19.01	96.5	21.07	102.3	21.80
	41	53.0	11.14	63.1	14.06	73.3	17.25	78.6	19.05	83.8	20.89	94.0	23.44	98.1	24.16
	43	51.6	12.26	61.6	15.34	71.5	18.82	76.6	20.77	81.8	22.83	91.7	25.08	94.0	25.87
46	48.4	13.64	57.7	17.28	67.0	21.20	71.8	23.11	76.6	25.76	83.8	27.38	85.8	27.81	
48	42.9	11.91	51.0	15.11	59.3	18.55	63.6	20.19	67.8	22.55	72.8	23.69	74.6	23.94	

# 7. Capacity Tables

Cooling Capacity (36HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	47.5	5.09	56.9	6.05	65.9	7.02	70.5	7.58	75.3	8.10	84.3	9.23	93.6	10.32
	12	47.5	5.17	56.9	6.14	65.9	7.18	70.5	7.70	75.3	8.27	84.3	9.38	93.6	10.51
	14	47.5	5.26	56.9	6.22	65.9	7.30	70.5	7.82	75.3	8.39	84.3	9.59	93.6	10.71
	16	47.5	5.33	56.9	6.34	65.9	7.42	70.5	7.98	75.3	8.54	84.3	9.75	93.6	10.94
	18	47.5	5.41	56.9	6.46	65.9	7.58	70.5	8.14	75.3	8.70	84.3	9.90	93.6	11.13
	20	47.5	5.50	56.9	6.58	65.9	7.70	70.5	8.30	75.3	8.90	84.3	10.14	93.6	11.55
	21	47.5	5.57	56.9	6.62	65.9	7.78	70.5	8.39	75.3	8.99	84.3	10.31	93.6	11.79
	23	47.5	5.66	56.9	6.77	65.9	7.94	70.5	8.66	75.3	9.42	84.3	11.03	93.6	12.45
	25	47.5	5.74	56.9	7.02	65.9	8.46	70.5	9.26	75.3	10.07	84.3	11.79	93.6	13.06
	27	47.5	6.05	56.9	7.50	65.9	9.02	70.5	9.83	75.3	10.75	84.3	12.60	93.6	13.87
	29	47.5	6.46	56.9	7.94	65.9	9.59	70.5	10.47	75.3	11.43	84.3	13.44	93.6	14.86
	31	47.5	6.86	56.9	8.46	65.9	10.23	70.5	11.19	75.3	12.19	84.3	14.32	93.6	15.78
	33	47.5	7.26	56.9	8.94	65.9	10.87	70.5	11.87	75.3	12.96	84.3	15.24	93.6	16.79
	35	47.5	7.66	56.9	9.54	65.9	11.55	70.5	12.63	75.3	13.80	84.3	16.24	93.6	17.81
	37	47.5	8.14	56.9	10.11	65.9	12.27	70.5	13.44	75.3	14.68	84.3	17.29	93.6	18.80
	39	47.5	8.64	56.9	10.78	65.9	13.12	70.5	14.46	75.3	15.86	84.3	18.50	93.6	20.27
	41	46.3	9.56	55.4	11.81	64.2	14.40	68.7	15.85	73.3	17.24	82.1	20.31	91.2	21.86
	43	45.2	10.41	54.0	12.87	62.6	15.70	67.1	17.29	71.5	18.83	80.1	22.20	88.9	23.64
46	42.3	11.56	50.7	14.47	58.7	17.69	62.8	19.26	67.0	21.22	75.0	25.03	83.4	26.34	
48	37.5	10.09	44.8	12.64	51.9	15.46	55.6	16.82	59.3	18.56	66.3	21.91	73.8	22.80	
60	10	40.7	4.42	48.6	5.18	56.5	6.03	60.5	6.47	64.5	6.88	72.3	7.80	80.3	8.72
	12	40.7	4.50	48.6	5.27	56.5	6.11	60.5	6.56	64.5	7.00	72.3	7.92	80.3	8.88
	14	40.7	4.54	48.6	5.35	56.5	6.23	60.5	6.67	64.5	7.12	72.3	8.07	80.3	9.04
	16	40.7	4.62	48.6	5.47	56.5	6.31	60.5	6.79	64.5	7.27	72.3	8.24	80.3	9.21
	18	40.7	4.70	48.6	5.54	56.5	6.43	60.5	6.91	64.5	7.39	72.3	8.36	80.3	9.41
	20	40.7	4.79	48.6	5.62	56.5	6.56	60.5	7.03	64.5	7.51	72.3	8.53	80.3	9.60
	21	40.7	4.82	48.6	5.67	56.5	6.63	60.5	7.12	64.5	7.59	72.3	8.64	80.3	9.68
	23	40.7	4.91	48.6	5.79	56.5	6.71	60.5	7.24	64.5	7.76	72.3	8.97	80.3	10.29
	25	40.7	4.98	48.6	5.91	56.5	7.00	60.5	7.59	64.5	8.24	72.3	9.57	80.3	11.01
	27	40.7	5.15	48.6	6.23	56.5	7.44	60.5	8.07	64.5	8.76	72.3	10.16	80.3	11.74
	29	40.7	5.47	48.6	6.63	56.5	7.92	60.5	8.60	64.5	9.33	72.3	10.85	80.3	12.54
	31	40.7	5.79	48.6	7.03	56.5	8.40	60.5	9.16	64.5	9.92	72.3	11.57	80.3	13.34
	33	40.7	6.11	48.6	7.44	56.5	8.92	60.5	9.72	64.5	10.57	72.3	12.30	80.3	14.22
	35	40.7	6.47	48.6	7.92	56.5	9.48	60.5	10.33	64.5	11.21	72.3	13.10	80.3	15.11
	37	40.7	6.83	48.6	8.36	56.5	10.04	60.5	10.97	64.5	11.89	72.3	13.90	80.3	16.07
	39	40.7	7.27	48.6	8.89	56.5	10.84	60.5	11.77	64.5	12.80	72.3	14.91	80.3	17.22
	41	39.6	7.88	47.4	9.74	55.1	11.78	58.9	12.86	62.8	13.89	70.5	16.36	78.3	18.72
	43	38.7	8.56	46.2	10.60	53.7	12.84	57.5	14.01	61.2	15.16	68.7	17.86	76.3	20.45
46	36.3	9.59	43.3	11.90	50.4	14.44	53.9	15.75	57.4	17.05	64.5	20.13	71.5	23.30	
48	32.1	8.36	38.3	10.39	44.5	12.62	47.7	13.75	50.7	14.90	57.0	17.60	63.3	20.39	
50	10	34.0	3.83	40.7	4.43	47.1	5.04	50.4	5.39	53.7	5.71	60.1	6.45	66.9	7.17
	12	34.0	3.86	40.7	4.47	47.1	5.12	50.4	5.48	53.7	5.84	60.1	6.57	66.9	7.29
	14	34.0	3.91	40.7	4.55	47.1	5.19	50.4	5.56	53.7	5.92	60.1	6.65	66.9	7.41
	16	34.0	3.98	40.7	4.63	47.1	5.27	50.4	5.68	53.7	6.00	60.1	6.77	66.9	7.53
	18	34.0	4.03	40.7	4.67	47.1	5.36	50.4	5.76	53.7	6.12	60.1	6.89	66.9	7.69
	20	34.0	4.07	40.7	4.75	47.1	5.48	50.4	5.84	53.7	6.25	60.1	7.01	66.9	7.86
	21	34.0	4.11	40.7	4.79	47.1	5.52	50.4	5.92	53.7	6.28	60.1	7.09	66.9	7.93
	23	34.0	4.18	40.7	4.87	47.1	5.60	50.4	6.00	53.7	6.40	60.1	7.21	66.9	8.10
	25	34.0	4.23	40.7	4.95	47.1	5.71	50.4	6.12	53.7	6.60	60.1	7.57	66.9	8.66
	27	34.0	4.31	40.7	5.12	47.1	6.04	50.4	6.52	53.7	7.01	60.1	8.10	66.9	9.22
	29	34.0	4.55	40.7	5.44	47.1	6.40	50.4	6.92	53.7	7.45	60.1	8.58	66.9	9.79
	31	34.0	4.79	40.7	5.76	47.1	6.80	50.4	7.33	53.7	7.93	60.1	9.14	66.9	10.43
	33	34.0	5.07	40.7	6.08	47.1	7.21	50.4	7.78	53.7	8.42	60.1	9.71	66.9	11.12
	35	34.0	5.36	40.7	6.45	47.1	7.61	50.4	8.26	53.7	8.90	60.1	10.27	66.9	11.80
	37	34.0	5.68	40.7	6.80	47.1	8.06	50.4	8.74	53.7	9.42	60.1	10.95	66.9	12.53
	39	34.0	6.05	40.7	7.29	47.1	8.63	50.4	9.41	53.7	10.11	60.1	11.67	66.9	13.53
	41	33.1	6.55	39.6	7.90	45.9	9.44	49.1	10.19	52.2	10.95	58.6	12.79	65.2	14.69
	43	32.4	7.12	38.7	8.59	44.8	10.26	47.9	11.09	51.0	11.93	57.1	13.95	63.6	16.02
46	30.3	7.98	36.3	9.63	42.0	11.52	44.9	12.45	47.7	13.39	53.5	15.70	59.7	18.04	
48	26.8	6.95	32.1	8.41	37.2	10.05	39.7	10.87	42.3	11.69	47.4	13.71	52.8	15.77	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

◆ ARUN380BTE5

Cooling Capacity (38HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	97.2	11.36	115.9	13.87	124.1	16.09	127.8	16.43	131.3	16.55	137.6	16.69	141.2	16.75
	12	97.2	11.64	115.9	14.37	124.1	16.75	127.8	16.86	131.3	17.00	137.6	17.14	141.2	17.29
	14	97.2	12.02	115.9	14.89	124.1	17.39	127.8	17.51	131.3	17.65	137.6	17.80	141.2	17.95
	16	97.2	12.47	115.9	15.41	124.1	18.17	127.8	18.34	131.3	18.48	137.6	18.65	141.2	18.79
	18	97.2	12.99	115.9	16.30	124.1	19.00	127.8	19.41	131.3	19.56	137.6	19.76	141.2	19.90
	20	97.2	13.56	115.9	17.37	124.1	19.94	127.8	21.35	131.3	21.52	135.7	21.73	139.2	21.89
	21	97.2	13.92	115.9	17.97	124.1	20.36	127.8	22.59	131.3	22.78	134.9	23.00	138.4	23.16
	23	97.2	14.93	115.9	18.91	124.1	21.41	127.8	24.93	129.7	25.13	132.8	25.38	136.5	25.55
	25	97.2	15.95	115.9	20.00	124.1	22.89	126.2	27.65	127.8	27.87	131.3	28.14	134.9	28.34
	27	97.2	17.06	115.9	21.38	122.6	24.38	124.1	30.44	126.2	30.68	129.7	30.99	132.8	31.20
	29	97.2	18.18	115.9	22.86	120.6	26.23	122.4	33.46	124.1	33.66	127.8	33.95	131.3	34.09
	31	97.2	19.40	115.4	24.07	118.6	27.90	120.6	33.31	122.4	33.51	125.7	33.81	129.3	33.95
	33	97.2	20.67	113.5	25.51	117.0	29.93	118.9	33.01	120.6	33.21	124.1	33.51	127.3	33.63
	35	97.2	22.04	111.5	26.71	115.1	32.41	117.0	32.58	118.9	32.77	122.2	33.06	125.7	33.20
	37	97.2	23.50	109.9	28.03	113.5	31.98	115.1	32.15	117.0	32.34	120.2	32.63	123.8	32.75
	39	97.2	25.03	108.0	29.51	111.5	31.56	113.5	31.72	115.1	31.90	118.6	32.19	122.2	32.32
	41	94.8	26.55	103.5	30.98	107.0	31.13	108.6	31.29	110.7	31.47	114.0	31.75	117.2	31.89
	43	92.5	28.00	99.1	30.55	102.6	30.70	104.2	30.86	106.2	31.04	109.6	31.32	112.6	31.44
46	86.6	29.97	90.4	29.91	93.7	30.06	95.2	30.21	97.2	30.39	100.2	30.67	103.1	30.78	
48	76.6	29.13	78.5	29.22	81.5	29.28	82.8	29.36	84.6	29.62	87.3	29.81	89.8	29.92	
120	10	89.9	10.22	107.0	12.53	116.9	14.88	120.5	16.08	124.0	16.34	130.8	16.40	134.0	16.54
	12	89.9	10.49	107.0	12.95	116.9	15.48	120.5	16.42	124.0	16.94	130.8	17.15	134.0	17.28
	14	89.9	10.85	107.0	13.39	116.9	16.11	120.5	17.05	124.0	17.56	130.8	17.82	134.0	17.97
	16	89.9	11.24	107.0	13.93	116.9	16.72	120.5	17.68	124.0	18.37	130.8	18.60	134.0	18.74
	18	89.9	11.68	107.0	14.56	116.9	17.40	120.5	18.62	124.0	19.31	130.8	19.54	134.0	19.70
	20	89.9	12.13	107.0	15.44	116.9	18.33	120.5	19.59	124.0	20.34	130.8	20.61	134.0	20.77
	21	89.9	12.50	107.0	16.00	116.9	18.85	120.5	20.16	124.0	21.01	130.8	21.27	134.0	21.44
	23	89.9	13.36	107.0	17.11	116.9	20.19	120.5	21.42	124.0	22.40	130.8	22.62	134.0	22.81
	25	89.9	14.27	107.0	18.33	116.9	21.30	120.5	22.84	124.0	24.01	129.2	24.21	132.4	24.41
	27	89.9	15.23	107.0	19.60	116.9	22.67	120.5	24.40	124.0	25.81	127.2	25.99	130.4	26.20
	29	89.9	16.25	107.0	20.92	116.9	23.86	120.5	26.11	122.1	27.51	125.2	27.93	128.7	28.14
	31	89.9	17.32	107.0	22.35	116.9	25.09	118.9	27.97	120.5	29.51	123.7	30.04	126.8	30.27
	33	89.9	18.43	107.0	23.81	115.3	26.54	116.9	30.36	118.4	31.69	121.6	32.04	124.8	32.30
	35	89.9	19.60	107.0	25.39	113.4	28.08	114.9	33.46	116.9	33.62	120.0	33.72	123.2	33.99
	37	89.9	21.08	107.0	26.79	111.8	29.95	113.4	32.75	114.9	32.91	118.1	33.01	121.3	33.27
	39	89.9	22.70	106.6	28.31	109.7	31.76	111.3	32.07	112.9	32.24	116.5	32.33	119.7	32.59
	41	87.7	24.31	102.0	29.84	105.4	31.13	106.9	31.41	108.4	31.56	111.6	31.66	114.8	31.90
	43	85.5	25.95	97.7	29.42	101.0	30.44	102.5	30.73	104.0	30.89	107.1	30.98	110.2	31.22
46	80.1	27.90	89.0	28.71	92.3	29.48	93.6	29.72	95.0	29.87	98.0	29.96	100.9	30.19	
48	70.9	27.34	77.3	28.20	80.3	28.90	81.4	29.08	82.7	29.17	85.2	29.29	87.7	29.41	
110	10	82.3	9.19	98.2	11.20	109.6	13.30	112.7	14.40	119.9	15.49	122.7	15.92	131.0	16.18
	12	82.3	9.48	98.2	11.57	109.6	13.85	112.7	14.80	119.9	16.07	122.7	16.60	131.0	16.97
	14	82.3	9.77	98.2	12.10	109.6	14.47	112.7	15.54	119.9	16.89	122.7	17.37	131.0	17.73
	16	82.3	10.11	98.2	12.53	109.6	15.08	112.7	16.21	119.9	17.66	122.7	18.14	131.0	18.46
	18	82.3	10.49	98.2	13.06	109.6	15.95	112.7	17.08	119.9	18.63	122.7	19.00	131.0	19.36
	20	82.3	10.87	98.2	13.71	109.6	16.91	112.7	17.86	119.9	19.54	122.7	20.02	131.0	20.34
	21	82.3	11.11	98.2	14.12	109.6	17.34	112.7	18.34	119.9	20.08	122.7	20.59	131.0	20.91
	23	82.3	11.83	98.2	15.13	109.6	18.31	112.7	19.36	119.9	21.21	122.7	21.67	131.0	22.03
	25	82.3	12.64	98.2	16.15	109.6	19.34	112.7	20.47	119.9	22.41	122.7	22.73	131.0	23.20
	27	82.3	13.50	98.2	17.26	109.6	20.44	112.7	21.66	119.9	23.41	122.7	23.95	127.5	24.35
	29	82.3	14.42	98.2	18.43	109.6	21.61	112.7	22.94	119.9	24.74	122.7	25.17	125.9	25.54
	31	82.3	15.34	98.2	19.65	109.6	22.83	112.7	24.31	118.0	26.00	121.1	26.51	123.8	26.78
	33	82.3	16.35	98.2	20.92	109.6	24.12	112.7	25.75	116.4	27.45	119.1	27.91	122.2	28.06
	35	82.3	17.37	98.2	22.35	109.6	25.48	112.7	27.29	114.3	28.97	117.2	29.24	120.3	29.38
	37	82.3	18.40	98.2	23.72	109.6	26.89	111.2	28.91	112.4	30.55	115.6	30.66	118.3	30.75
	39	82.3	19.85	98.2	25.20	107.7	28.37	109.2	30.93	110.8	32.07	113.5	32.12	116.7	32.15
	41	80.3	21.28	95.6	26.68	103.1	29.92	104.7	33.46	106.0	33.46	109.1	33.72	111.8	33.99
	43	78.2	22.35	93.3	27.80	98.8	31.73	100.4	32.09	101.7	32.02	104.7	32.20	107.3	32.29
46	73.3	21.81	87.4	26.84	90.1	30.12	91.7	30.11	92.8	30.38	95.7	30.55	98.2	30.62	
48	64.9	21.18	76.0	25.86	78.2	28.65	79.7	28.84	80.7	28.99	83.3	29.07	85.4	29.18	

# 7. Capacity Tables

Cooling Capacity (38HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	71.9	8.27	85.5	10.05	99.6	11.93	106.4	12.89	113.2	13.85	125.6	15.41	128.3	15.54
	12	71.9	8.54	85.5	10.46	99.6	12.33	106.4	13.24	113.2	14.29	125.6	16.24	128.3	16.40
	14	71.9	8.80	85.5	10.88	99.6	12.85	106.4	13.81	113.2	14.90	125.6	17.15	128.3	17.31
	16	71.9	9.08	85.5	11.25	99.6	13.40	106.4	14.46	113.2	15.71	125.6	17.98	128.3	18.23
	18	71.9	9.34	85.5	11.66	99.6	13.92	106.4	15.17	113.2	16.66	125.6	19.00	128.3	19.15
	20	71.9	9.68	85.5	12.10	99.6	14.73	106.4	16.25	113.2	17.83	125.6	19.91	128.3	20.07
	21	71.9	9.88	85.5	12.39	99.6	15.23	106.4	16.81	113.2	18.48	125.6	20.36	128.3	20.53
	23	71.9	10.46	85.5	13.25	99.6	16.35	106.4	18.03	113.2	19.80	125.6	21.32	128.3	21.50
	25	71.9	11.13	85.5	14.12	99.6	17.46	106.4	19.30	113.2	21.18	125.6	22.23	127.3	22.41
	27	71.9	11.88	85.5	15.09	99.6	18.69	106.4	20.62	113.2	22.52	123.2	23.27	125.7	23.46
	29	71.9	12.64	85.5	16.09	99.6	19.96	106.4	22.04	113.2	23.83	120.8	24.21	123.8	24.41
	31	71.9	13.50	85.5	17.17	99.6	21.28	106.4	23.52	113.2	25.04	119.0	25.15	121.9	25.35
	33	71.9	14.32	85.5	18.28	99.6	22.70	106.4	25.09	113.2	25.98	117.1	26.09	120.0	26.30
	35	71.9	15.23	85.5	19.45	99.6	24.17	106.4	26.76	111.5	26.92	115.0	27.03	117.9	27.25
	37	71.9	16.32	85.5	20.87	99.6	25.60	106.4	28.04	109.7	28.17	112.9	28.28	115.6	28.55
	39	71.9	17.49	85.5	22.41	99.6	27.13	106.4	29.41	107.8	29.53	111.0	29.65	113.7	29.93
	41	70.6	18.67	84.1	23.95	98.0	28.66	102.1	30.78	104.3	30.90	106.7	31.01	110.2	31.30
	43	68.2	19.76	81.2	25.40	94.7	30.04	97.9	31.95	99.0	32.07	102.1	32.17	104.8	32.47
46	64.0	21.25	76.2	27.37	88.7	31.86	93.3	33.46	90.4	33.55	93.3	33.65	95.8	33.97	
48	56.5	18.35	67.3	23.69	76.5	27.23	77.7	28.39	78.5	28.48	81.1	28.54	83.3	28.77	
90	10	64.6	7.10	77.1	8.54	89.6	10.07	95.8	10.85	101.8	11.68	114.3	13.07	127.0	14.54
	12	64.6	7.19	77.1	8.67	89.6	10.24	95.8	11.07	101.8	11.94	114.3	13.33	127.0	14.79
	14	64.6	7.32	77.1	8.85	89.6	10.46	95.8	11.29	101.8	12.16	114.3	13.59	127.0	15.10
	16	64.6	7.45	77.1	9.02	89.6	10.68	95.8	11.50	101.8	12.38	114.3	13.85	127.0	15.35
	18	64.6	7.58	77.1	9.20	89.6	10.85	95.8	11.77	101.8	12.64	114.3	14.15	127.0	16.13
	20	64.6	7.71	77.1	9.37	89.6	11.07	95.8	11.99	101.8	13.12	114.3	15.14	127.0	16.89
	21	64.6	7.80	77.1	9.46	89.6	11.29	95.8	12.38	101.8	13.60	114.3	15.39	127.0	17.29
	23	64.6	7.98	77.1	9.85	89.6	12.08	95.8	13.30	101.8	14.56	114.3	16.33	125.2	18.10
	25	64.6	8.36	77.1	10.51	89.6	12.90	95.8	14.21	101.8	15.55	114.3	17.45	123.4	18.87
	27	64.6	8.94	77.1	11.20	89.6	13.77	95.8	15.17	101.8	16.65	114.3	18.55	121.6	19.76
	29	64.6	9.46	77.1	11.94	89.6	14.73	95.8	16.21	101.8	17.78	114.3	19.65	119.7	20.55
	31	64.6	10.07	77.1	12.73	89.6	15.69	95.8	17.26	101.8	18.96	114.3	20.64	118.0	21.35
	33	64.6	10.72	77.1	13.56	89.6	16.74	95.8	18.39	101.8	20.11	114.3	21.63	116.1	22.15
	35	64.6	11.38	77.1	14.38	89.6	17.78	95.8	19.62	101.8	21.32	112.4	22.88	114.3	23.40
	37	64.6	12.08	77.1	15.29	89.6	18.96	95.8	20.84	101.8	22.51	110.6	23.91	112.6	24.45
	39	64.6	12.78	77.1	16.27	89.6	20.06	95.8	22.17	101.8	23.67	108.8	25.21	110.7	25.51
	41	63.0	14.30	75.2	18.04	87.4	22.03	93.3	24.25	99.3	25.56	104.2	26.57	106.1	27.17
	43	61.4	15.44	73.3	19.50	85.2	24.06	91.0	26.11	96.8	27.40	99.9	28.45	101.8	28.79
46	57.5	17.38	68.7	22.19	79.8	27.42	85.3	29.61	87.9	30.45	91.2	31.23	92.9	31.27	
48	50.9	15.19	60.8	19.42	70.6	23.99	75.4	25.83	76.3	26.23	79.3	26.88	80.8	26.92	
80	10	57.3	5.94	68.4	7.13	79.5	8.37	85.2	9.04	90.9	9.70	101.8	11.06	112.9	12.01
	12	57.3	6.06	68.4	7.22	79.5	8.54	85.2	9.20	90.9	9.87	101.8	11.26	112.9	12.25
	14	57.3	6.14	68.4	7.39	79.5	8.66	85.2	9.36	90.9	10.02	101.8	11.47	112.9	12.48
	16	57.3	6.23	68.4	7.51	79.5	8.83	85.2	9.53	90.9	10.23	101.8	11.72	112.9	12.72
	18	57.3	6.35	68.4	7.64	79.5	9.00	85.2	9.70	90.9	10.43	101.8	11.93	112.9	13.00
	20	57.3	6.48	68.4	7.80	79.5	9.20	85.2	9.90	90.9	10.65	101.8	12.37	112.9	13.76
	21	57.3	6.52	68.4	7.88	79.5	9.29	85.2	10.02	90.9	10.89	101.8	12.77	112.9	14.13
	23	57.3	6.64	68.4	8.00	79.5	9.70	85.2	10.65	90.9	11.64	101.8	13.49	112.9	14.83
	25	57.3	6.89	68.4	8.54	79.5	10.40	85.2	11.39	90.9	12.46	101.8	14.43	112.9	15.86
	27	57.3	7.30	68.4	9.07	79.5	11.10	85.2	12.17	90.9	13.29	101.8	15.33	112.9	16.69
	29	57.3	7.76	68.4	9.70	79.5	11.81	85.2	12.95	90.9	14.19	101.8	16.42	112.9	17.86
	31	57.3	8.25	68.4	10.28	79.5	12.59	85.2	13.82	90.9	15.10	101.8	17.43	112.9	18.76
	33	57.3	8.75	68.4	10.98	79.5	13.41	85.2	14.73	90.9	16.09	101.8	18.36	112.9	19.66
	35	57.3	9.29	68.4	11.64	79.5	14.28	85.2	15.67	90.9	17.17	101.8	19.47	111.6	20.38
	37	57.3	9.82	68.4	12.37	79.5	15.14	85.2	16.67	90.9	18.24	101.8	20.56	109.9	21.31
	39	57.3	10.37	68.4	13.08	79.5	16.19	85.2	17.92	90.9	19.60	101.8	21.72	108.0	22.47
	41	55.9	11.48	66.7	14.49	77.4	17.78	83.0	19.64	88.5	21.54	99.3	24.17	103.5	24.91
	43	54.5	12.63	65.0	15.81	75.5	19.40	80.9	21.41	86.3	23.54	96.8	25.86	99.3	26.67
46	51.1	14.07	60.9	17.81	70.8	21.86	75.8	23.83	80.9	26.56	88.5	28.23	90.6	28.67	
48	45.3	12.28	53.9	15.58	62.6	19.12	67.1	20.82	71.6	23.25	76.8	24.43	78.7	24.69	

# 7. Capacity Tables

Cooling Capacity (38HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	50.2	5.21	60.0	6.19	69.5	7.18	74.4	7.75	79.5	8.29	89.0	9.44	98.8	10.55
	12	50.2	5.29	60.0	6.28	69.5	7.34	74.4	7.87	79.5	8.45	89.0	9.59	98.8	10.75
	14	50.2	5.38	60.0	6.36	69.5	7.46	74.4	8.00	79.5	8.58	89.0	9.80	98.8	10.95
	16	50.2	5.45	60.0	6.48	69.5	7.58	74.4	8.16	79.5	8.73	89.0	9.97	98.8	11.18
	18	50.2	5.53	60.0	6.60	69.5	7.75	74.4	8.32	79.5	8.90	89.0	10.13	98.8	11.38
	20	50.2	5.62	60.0	6.73	69.5	7.87	74.4	8.49	79.5	9.10	89.0	10.37	98.8	11.81
	21	50.2	5.70	60.0	6.77	69.5	7.95	74.4	8.58	79.5	9.19	89.0	10.54	98.8	12.06
	23	50.2	5.79	60.0	6.93	69.5	8.12	74.4	8.86	79.5	9.64	89.0	11.28	98.8	12.73
	25	50.2	5.87	60.0	7.18	69.5	8.65	74.4	9.47	79.5	10.29	89.0	12.06	98.8	13.36
	27	50.2	6.19	60.0	7.67	69.5	9.22	74.4	10.05	79.5	11.00	89.0	12.88	98.8	14.19
	29	50.2	6.60	60.0	8.12	69.5	9.80	74.4	10.71	79.5	11.69	89.0	13.74	98.8	15.20
	31	50.2	7.01	60.0	8.65	69.5	10.46	74.4	11.44	79.5	12.47	89.0	14.64	98.8	16.13
	33	50.2	7.43	60.0	9.15	69.5	11.12	74.4	12.13	79.5	13.25	89.0	15.58	98.8	17.17
	35	50.2	7.83	60.0	9.76	69.5	11.81	74.4	12.92	79.5	14.11	89.0	16.61	98.8	18.21
	37	50.2	8.32	60.0	10.34	69.5	12.55	74.4	13.74	79.5	15.01	89.0	17.68	98.8	19.22
	39	50.2	8.84	60.0	11.03	69.5	13.42	74.4	14.78	79.5	16.22	89.0	18.92	98.8	20.72
	41	48.9	9.77	58.5	12.07	67.8	14.72	72.5	16.21	77.4	17.63	86.6	20.77	96.3	22.35
	43	47.7	10.64	57.0	13.16	66.0	16.06	70.8	17.68	75.5	19.25	84.5	22.70	93.9	24.17
46	44.7	11.83	53.5	14.80	61.9	18.09	66.3	19.70	70.8	21.70	79.2	25.60	88.0	26.93	
48	39.6	10.32	47.3	12.93	54.8	15.81	58.7	17.21	62.6	18.98	70.0	22.41	77.9	23.31	
60	10	42.9	4.49	51.3	5.26	59.7	6.11	63.8	6.56	68.1	6.97	76.3	7.91	84.7	8.85
	12	42.9	4.56	51.3	5.34	59.7	6.19	63.8	6.65	68.1	7.10	76.3	8.03	84.7	9.01
	14	42.9	4.61	51.3	5.42	59.7	6.32	63.8	6.76	68.1	7.22	76.3	8.19	84.7	9.17
	16	42.9	4.69	51.3	5.55	59.7	6.40	63.8	6.89	68.1	7.38	76.3	8.36	84.7	9.34
	18	42.9	4.77	51.3	5.62	59.7	6.53	63.8	7.01	68.1	7.50	76.3	8.48	84.7	9.54
	20	42.9	4.85	51.3	5.70	59.7	6.65	63.8	7.13	68.1	7.62	76.3	8.65	84.7	9.74
	21	42.9	4.89	51.3	5.75	59.7	6.73	63.8	7.22	68.1	7.70	76.3	8.76	84.7	9.82
	23	42.9	4.98	51.3	5.87	59.7	6.81	63.8	7.34	68.1	7.87	76.3	9.09	84.7	10.43
	25	42.9	5.05	51.3	5.99	59.7	7.10	63.8	7.70	68.1	8.36	76.3	9.71	84.7	11.17
	27	42.9	5.22	51.3	6.32	59.7	7.54	63.8	8.19	68.1	8.88	76.3	10.31	84.7	11.91
	29	42.9	5.55	51.3	6.73	59.7	8.03	63.8	8.73	68.1	9.46	76.3	11.00	84.7	12.72
	31	42.9	5.87	51.3	7.13	59.7	8.52	63.8	9.29	68.1	10.07	76.3	11.74	84.7	13.53
	33	42.9	6.19	51.3	7.54	59.7	9.05	63.8	9.86	68.1	10.72	76.3	12.47	84.7	14.43
	35	42.9	6.56	51.3	8.03	59.7	9.62	63.8	10.48	68.1	11.37	76.3	13.29	84.7	15.33
	37	42.9	6.93	51.3	8.48	59.7	10.19	63.8	11.13	68.1	12.06	76.3	14.10	84.7	16.30
	39	42.9	7.37	51.3	9.02	59.7	11.00	63.8	11.94	68.1	12.98	76.3	15.12	84.7	17.47
	41	41.8	7.99	50.0	9.88	58.1	11.95	62.2	13.04	66.3	14.09	74.4	16.59	82.6	18.99
	43	40.8	8.68	48.8	10.75	56.7	13.03	60.7	14.21	64.6	15.38	72.5	18.11	80.6	20.74
46	38.3	9.73	45.7	12.07	53.2	14.64	56.8	15.98	60.6	17.30	68.1	20.42	75.5	23.63	
48	33.9	8.48	40.4	10.54	47.0	12.80	50.3	13.95	53.5	15.12	60.2	17.85	66.8	20.68	
50	10	35.9	3.85	42.9	4.45	49.7	5.07	53.2	5.43	56.7	5.75	63.5	6.49	70.6	7.21
	12	35.9	3.89	42.9	4.50	49.7	5.15	53.2	5.51	56.7	5.87	63.5	6.61	70.6	7.33
	14	35.9	3.93	42.9	4.58	49.7	5.22	53.2	5.59	56.7	5.96	63.5	6.69	70.6	7.46
	16	35.9	4.01	42.9	4.66	49.7	5.30	53.2	5.72	56.7	6.04	63.5	6.81	70.6	7.58
	18	35.9	4.05	42.9	4.70	49.7	5.39	53.2	5.79	56.7	6.16	63.5	6.93	70.6	7.74
	20	35.9	4.10	42.9	4.78	49.7	5.51	53.2	5.87	56.7	6.28	63.5	7.05	70.6	7.90
	21	35.9	4.13	42.9	4.82	49.7	5.55	53.2	5.96	56.7	6.32	63.5	7.13	70.6	7.98
	23	35.9	4.21	42.9	4.90	49.7	5.64	53.2	6.04	56.7	6.44	63.5	7.26	70.6	8.15
	25	35.9	4.25	42.9	4.98	49.7	5.75	53.2	6.16	56.7	6.64	63.5	7.61	70.6	8.71
	27	35.9	4.33	42.9	5.15	49.7	6.07	53.2	6.56	56.7	7.05	63.5	8.15	70.6	9.28
	29	35.9	4.58	42.9	5.47	49.7	6.44	53.2	6.97	56.7	7.49	63.5	8.63	70.6	9.85
	31	35.9	4.82	42.9	5.79	49.7	6.84	53.2	7.38	56.7	7.98	63.5	9.20	70.6	10.49
	33	35.9	5.10	42.9	6.12	49.7	7.26	53.2	7.82	56.7	8.47	63.5	9.77	70.6	11.19
	35	35.9	5.39	42.9	6.49	49.7	7.66	53.2	8.31	56.7	8.95	63.5	10.34	70.6	11.87
	37	35.9	5.72	42.9	6.84	49.7	8.10	53.2	8.80	56.7	9.48	63.5	11.02	70.6	12.60
	39	35.9	6.09	42.9	7.34	49.7	8.68	53.2	9.46	56.7	10.17	63.5	11.74	70.6	13.61
	41	35.0	6.59	41.8	7.95	48.5	9.49	51.8	10.25	55.1	11.02	61.9	12.87	68.9	14.78
	43	34.2	7.16	40.8	8.64	47.3	10.33	50.5	11.16	53.8	12.00	60.3	14.04	67.1	16.12
46	32.0	8.03	38.3	9.69	44.3	11.59	47.4	12.53	50.4	13.47	56.5	15.79	63.0	18.15	
48	28.3	6.99	33.9	8.46	39.2	10.11	41.9	10.94	44.6	11.76	50.0	13.79	55.7	15.87	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN400BTE5

Cooling Capacity (40HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	102.4	12.10	122.0	14.78	130.7	17.14	134.5	17.50	138.2	17.63	144.8	17.78	148.6	17.85
	12	102.4	12.39	122.0	15.30	130.7	17.85	134.5	17.96	138.2	18.11	144.8	18.26	148.6	18.42
	14	102.4	12.81	122.0	15.86	130.7	18.52	134.5	18.65	138.2	18.80	144.8	18.96	148.6	19.13
	16	102.4	13.28	122.0	16.42	130.7	19.35	134.5	19.54	138.2	19.69	144.8	19.86	148.6	20.02
	18	102.4	13.84	122.0	17.37	130.7	20.24	134.5	20.67	138.2	20.84	144.8	21.05	148.6	21.19
	20	102.4	14.45	122.0	18.50	130.7	21.24	134.5	22.74	138.2	22.92	142.8	23.15	146.5	23.31
	21	102.4	14.82	122.0	19.15	130.7	21.69	134.5	24.07	138.2	24.26	142.0	24.50	145.7	24.67
	23	102.4	15.91	122.0	20.15	130.7	22.81	134.5	26.56	136.5	26.78	139.8	27.04	143.6	27.22
	25	102.4	16.99	122.0	21.31	130.7	24.38	132.8	29.45	134.5	29.69	138.2	29.98	142.0	30.19
	27	102.4	18.18	122.0	22.77	129.0	25.97	130.7	32.43	132.8	32.69	136.5	33.01	139.8	33.23
	29	102.4	19.37	122.0	24.35	127.0	27.94	128.8	35.64	130.7	35.85	134.5	36.17	138.2	36.32
	31	102.4	20.67	121.5	25.65	124.8	29.72	127.0	35.48	128.8	35.70	132.3	36.02	136.1	36.17
	33	102.4	22.02	119.5	27.17	123.2	31.88	125.2	35.17	127.0	35.38	130.7	35.69	134.0	35.83
	35	102.4	23.48	117.3	28.45	121.1	34.53	123.2	34.71	125.2	34.91	128.6	35.22	132.3	35.36
	37	102.4	25.04	115.7	29.86	119.5	34.07	121.1	34.25	123.2	34.45	126.5	34.76	130.3	34.89
	39	102.4	26.66	113.7	31.44	117.3	33.62	119.5	33.79	121.1	33.99	124.8	34.30	128.6	34.43
	41	99.8	28.29	109.0	33.00	112.6	33.16	114.3	33.33	116.5	33.53	120.0	33.82	123.3	33.97
	43	97.3	29.83	104.4	32.54	108.0	32.71	109.7	32.87	111.8	33.07	115.3	33.36	118.5	33.49
46	91.2	31.93	95.2	31.86	98.7	32.02	100.2	32.18	102.3	32.38	105.5	32.67	108.5	32.79	
48	80.7	31.03	82.7	31.13	85.8	31.19	87.2	31.28	89.0	31.55	91.8	31.75	94.5	31.87	
120	10	94.7	10.88	112.6	13.35	123.0	15.85	126.8	17.13	130.5	17.40	137.7	17.47	141.0	17.61
	12	94.7	11.18	112.6	13.79	123.0	16.49	126.8	17.49	130.5	18.04	137.7	18.27	141.0	18.41
	14	94.7	11.56	112.6	14.26	123.0	17.16	126.8	18.16	130.5	18.70	137.7	18.98	141.0	19.14
	16	94.7	11.97	112.6	14.84	123.0	17.82	126.8	18.83	130.5	19.57	137.7	19.82	141.0	19.97
	18	94.7	12.44	112.6	15.51	123.0	18.53	126.8	19.83	130.5	20.57	137.7	20.82	141.0	20.98
	20	94.7	12.92	112.6	16.45	123.0	19.52	126.8	20.87	130.5	21.67	137.7	21.95	141.0	22.13
	21	94.7	13.31	112.6	17.04	123.0	20.08	126.8	21.48	130.5	22.38	137.7	22.66	141.0	22.84
	23	94.7	14.23	112.6	18.23	123.0	21.51	126.8	22.82	130.5	23.86	137.7	24.10	141.0	24.30
	25	94.7	15.20	112.6	19.52	123.0	22.69	126.8	24.33	130.5	25.58	136.0	25.80	139.3	26.01
	27	94.7	16.22	112.6	20.88	123.0	24.15	126.8	25.99	130.5	27.50	133.9	27.68	137.3	27.91
	29	94.7	17.31	112.6	22.28	123.0	25.41	126.8	27.81	128.5	29.31	131.8	29.75	135.5	29.98
	31	94.7	18.45	112.6	23.80	123.0	26.73	125.2	29.80	126.8	31.44	130.2	32.00	133.5	32.25
	33	94.7	19.64	112.6	25.37	121.4	28.27	123.0	32.35	124.7	33.75	128.0	34.13	131.4	34.41
	35	94.7	20.88	112.6	27.04	119.3	29.92	121.0	35.64	123.0	35.81	126.4	35.92	129.7	36.20
	37	94.7	22.46	112.6	28.54	117.6	31.90	119.3	34.89	121.0	35.06	124.3	35.17	127.7	35.45
	39	94.7	24.18	112.2	30.16	115.5	33.84	117.2	34.17	118.8	34.34	122.7	34.44	126.0	34.72
	41	92.3	25.89	107.3	31.79	111.0	33.16	112.5	33.46	114.2	33.62	117.5	33.72	120.8	33.99
	43	90.0	27.65	102.8	31.34	106.3	32.42	107.9	32.74	109.5	32.90	112.7	33.00	116.0	33.26
46	84.3	29.72	93.7	30.59	97.2	31.41	98.5	31.66	100.0	31.82	103.1	31.92	106.2	32.16	
48	74.6	29.12	81.4	30.04	84.5	30.79	85.7	30.98	87.0	31.08	89.7	31.20	92.4	31.33	
110	10	86.7	9.79	103.3	11.93	115.4	14.17	118.7	15.34	126.2	16.50	129.2	16.96	137.8	17.24
	12	86.7	10.10	103.3	12.33	115.4	14.76	118.7	15.76	126.2	17.12	129.2	17.68	137.8	18.08
	14	86.7	10.41	103.3	12.89	115.4	15.42	118.7	16.55	126.2	17.99	129.2	18.50	137.8	18.88
	16	86.7	10.77	103.3	13.35	115.4	16.06	118.7	17.27	126.2	18.82	129.2	19.33	137.8	19.67
	18	86.7	11.18	103.3	13.91	115.4	16.99	118.7	18.19	126.2	19.85	129.2	20.24	137.8	20.62
	20	86.7	11.57	103.3	14.61	115.4	18.01	118.7	19.03	126.2	20.82	129.2	21.33	137.8	21.67
	21	86.7	11.83	103.3	15.04	115.4	18.47	118.7	19.54	126.2	21.39	129.2	21.93	137.8	22.28
	23	86.7	12.61	103.3	16.12	115.4	19.51	118.7	20.62	126.2	22.59	129.2	23.08	137.8	23.46
	25	86.7	13.47	103.3	17.20	115.4	20.61	118.7	21.80	126.2	23.87	129.2	24.22	136.2	24.71
	27	86.7	14.39	103.3	18.39	115.4	21.77	118.7	23.07	126.2	24.94	129.2	25.51	134.2	25.94
	29	86.7	15.37	103.3	19.64	115.4	23.02	118.7	24.43	126.2	26.35	129.2	26.81	132.5	27.21
	31	86.7	16.34	103.3	20.93	115.4	24.32	118.7	25.89	124.2	27.69	127.5	28.24	130.4	28.53
	33	86.7	17.42	103.3	22.28	115.4	25.69	118.7	27.44	122.5	29.24	125.4	29.73	128.7	29.89
	35	86.7	18.50	103.3	23.80	115.4	27.14	118.7	29.08	120.4	30.86	123.3	31.15	126.7	31.30
	37	86.7	19.60	103.3	25.27	115.4	28.65	117.0	30.80	118.3	32.54	121.7	32.66	124.5	32.75
	39	86.7	21.14	103.3	26.84	113.3	30.23	115.0	32.95	116.7	34.16	119.5	34.22	122.9	34.25
	41	84.5	22.67	100.7	28.42	108.5	31.87	110.2	35.64	111.5	35.64	114.8	35.92	117.7	36.20
	43	82.3	23.81	98.2	29.62	104.0	33.80	105.7	34.18	107.0	34.11	110.2	34.30	113.0	34.40
46	77.2	23.23	92.0	28.59	94.8	32.08	96.5	32.08	97.7	32.36	100.7	32.54	103.3	32.62	
48	68.3	22.56	80.0	27.55	82.3	30.52	83.8	30.72	85.0	30.88	87.6	30.96	89.9	31.08	

# 7. Capacity Tables

Cooling Capacity (40HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	75.6	8.81	90.0	10.71	104.8	12.71	112.0	13.73	119.2	14.76	132.2	16.42	135.0	16.55
	12	75.6	9.10	90.0	11.15	104.8	13.13	112.0	14.10	119.2	15.22	132.2	17.30	135.0	17.47
	14	75.6	9.38	90.0	11.59	104.8	13.69	112.0	14.71	119.2	15.88	132.2	18.27	135.0	18.44
	16	75.6	9.67	90.0	11.98	104.8	14.27	112.0	15.40	119.2	16.73	132.2	19.16	135.0	19.42
	18	75.6	9.95	90.0	12.43	104.8	14.83	112.0	16.16	119.2	17.75	132.2	20.24	135.0	20.40
	20	75.6	10.31	90.0	12.89	104.8	15.69	112.0	17.31	119.2	18.99	132.2	21.21	135.0	21.38
	21	75.6	10.52	90.0	13.20	104.8	16.22	112.0	17.91	119.2	19.69	132.2	21.69	135.0	21.87
	23	75.6	11.15	90.0	14.12	104.8	17.42	112.0	19.21	119.2	21.10	132.2	22.71	135.0	22.90
	25	75.6	11.85	90.0	15.04	104.8	18.60	112.0	20.56	119.2	22.56	132.2	23.68	134.0	23.87
	27	75.6	12.66	90.0	16.07	104.8	19.91	112.0	21.97	119.2	23.99	129.6	24.79	132.3	24.99
	29	75.6	13.47	90.0	17.14	104.8	21.26	112.0	23.48	119.2	25.38	127.2	25.79	130.3	26.00
	31	75.6	14.39	90.0	18.29	104.8	22.67	112.0	25.05	119.2	26.68	125.3	26.79	128.3	27.01
	33	75.6	15.25	90.0	19.47	104.8	24.18	112.0	26.73	119.2	27.68	123.3	27.79	126.3	28.01
	35	75.6	16.22	90.0	20.72	104.8	25.75	112.0	28.50	117.4	28.68	121.0	28.79	124.1	29.02
	37	75.6	17.38	90.0	22.23	104.8	27.27	112.0	29.86	115.5	30.01	118.8	30.13	121.6	30.41
	39	75.6	18.63	90.0	23.87	104.8	28.90	112.0	31.33	113.5	31.46	116.8	31.59	119.6	31.88
	41	74.4	19.88	88.5	25.52	103.2	30.54	107.5	32.79	109.8	32.92	112.4	33.03	116.0	33.34
	43	71.8	21.05	85.5	27.06	99.6	32.00	103.0	34.04	104.2	34.16	107.5	34.27	110.3	34.59
46	67.3	22.64	80.2	29.16	93.3	33.93	94.0	35.64	95.1	35.74	98.2	35.84	100.8	36.18	
48	59.5	19.55	70.9	25.23	80.5	29.01	81.8	30.24	82.6	30.34	85.3	30.40	87.7	30.65	
90	10	68.0	7.55	81.2	9.08	94.4	10.70	100.8	11.53	107.2	12.42	120.4	13.89	133.6	15.46
	12	68.0	7.64	81.2	9.21	94.4	10.88	100.8	11.77	107.2	12.69	120.4	14.17	133.6	15.72
	14	68.0	7.79	81.2	9.41	94.4	11.12	100.8	12.00	107.2	12.92	120.4	14.44	133.6	16.05
	16	68.0	7.92	81.2	9.59	94.4	11.35	100.8	12.23	107.2	13.16	120.4	14.72	133.6	16.32
	18	68.0	8.06	81.2	9.78	94.4	11.53	100.8	12.51	107.2	13.44	120.4	15.04	133.6	17.14
	20	68.0	8.19	81.2	9.96	94.4	11.77	100.8	12.74	107.2	13.94	120.4	16.09	133.6	17.96
	21	68.0	8.29	81.2	10.05	94.4	12.00	100.8	13.16	107.2	14.46	120.4	16.35	133.6	18.37
	23	68.0	8.48	81.2	10.47	94.4	12.84	100.8	14.13	107.2	15.48	120.4	17.35	131.8	19.24
	25	68.0	8.89	81.2	11.17	94.4	13.71	100.8	15.10	107.2	16.53	120.4	18.55	129.8	20.06
	27	68.0	9.50	81.2	11.90	94.4	14.64	100.8	16.12	107.2	17.70	120.4	19.72	128.0	21.00
	29	68.0	10.05	81.2	12.69	94.4	15.66	100.8	17.23	107.2	18.90	120.4	20.89	126.0	21.84
	31	68.0	10.70	81.2	13.53	94.4	16.68	100.8	18.34	107.2	20.15	120.4	21.94	124.2	22.70
	33	68.0	11.40	81.2	14.41	94.4	17.79	100.8	19.54	107.2	21.37	120.4	22.99	122.2	23.54
	35	68.0	12.09	81.2	15.28	94.4	18.90	100.8	20.85	107.2	22.67	118.3	24.32	120.3	24.87
	37	68.0	12.84	81.2	16.26	94.4	20.16	100.8	22.15	107.2	23.93	116.5	25.42	118.5	25.99
	39	68.0	13.58	81.2	17.29	94.4	21.33	100.8	23.57	107.2	25.16	114.5	26.80	116.5	27.12
	41	66.3	15.20	79.1	19.17	92.0	23.41	98.2	25.77	104.5	27.16	109.7	28.24	111.7	28.88
	43	64.6	16.41	77.2	20.72	89.7	25.58	95.8	27.75	101.8	29.12	105.2	30.24	107.2	30.60
46	60.5	18.47	72.3	23.59	84.0	29.14	89.8	31.47	92.5	32.36	96.0	33.19	97.8	33.24	
48	53.5	16.14	64.0	20.64	74.3	25.50	79.4	27.46	80.4	27.88	83.5	28.58	85.0	28.61	
80	10	60.4	6.32	72.0	7.59	83.6	8.90	89.6	9.61	95.6	10.31	107.2	11.76	118.8	12.77
	12	60.4	6.45	72.0	7.68	83.6	9.08	89.6	9.78	95.6	10.49	107.2	11.97	118.8	13.02
	14	60.4	6.53	72.0	7.86	83.6	9.21	89.6	9.96	95.6	10.66	107.2	12.20	118.8	13.27
	16	60.4	6.63	72.0	7.99	83.6	9.39	89.6	10.13	95.6	10.88	107.2	12.46	118.8	13.53
	18	60.4	6.76	72.0	8.12	83.6	9.57	89.6	10.31	95.6	11.10	107.2	12.68	118.8	13.82
	20	60.4	6.89	72.0	8.30	83.6	9.78	89.6	10.53	95.6	11.32	107.2	13.16	118.8	14.64
	21	60.4	6.93	72.0	8.38	83.6	9.87	89.6	10.66	95.6	11.58	107.2	13.58	118.8	15.03
	23	60.4	7.06	72.0	8.51	83.6	10.31	89.6	11.32	95.6	12.37	107.2	14.34	118.8	15.77
	25	60.4	7.33	72.0	9.08	83.6	11.06	89.6	12.11	95.6	13.25	107.2	15.35	118.8	16.86
	27	60.4	7.76	72.0	9.65	83.6	11.81	89.6	12.94	95.6	14.13	107.2	16.30	118.8	17.75
	29	60.4	8.25	72.0	10.31	83.6	12.55	89.6	13.77	95.6	15.09	107.2	17.46	118.8	18.99
	31	60.4	8.77	72.0	10.93	83.6	13.38	89.6	14.70	95.6	16.06	107.2	18.53	118.8	19.94
	33	60.4	9.30	72.0	11.67	83.6	14.26	89.6	15.66	95.6	17.11	107.2	19.52	118.8	20.90
	35	60.4	9.87	72.0	12.37	83.6	15.18	89.6	16.67	95.6	18.25	107.2	20.71	117.5	21.67
	37	60.4	10.44	72.0	13.15	83.6	16.10	89.6	17.72	95.6	19.39	107.2	21.86	115.7	22.66
	39	60.4	11.03	72.0	13.90	83.6	17.22	89.6	19.05	95.6	20.84	107.2	23.09	113.7	23.89
	41	58.8	12.21	70.2	15.41	81.5	18.90	87.3	20.89	93.2	22.90	104.5	25.69	109.0	26.49
	43	57.4	13.43	68.5	16.81	79.5	20.63	85.2	22.77	90.8	25.03	101.8	27.49	104.5	28.36
46	53.8	14.96	64.1	18.94	74.5	23.24	79.8	25.34	85.2	28.24	93.2	30.01	95.3	30.49	
48	47.6	13.06	56.7	16.56	65.8	20.33	70.6	22.13	75.3	24.72	80.9	25.97	82.8	26.25	

# 7. Capacity Tables

Cooling Capacity (40HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	52.8	5.54	63.2	6.58	73.2	7.64	78.4	8.24	83.6	8.81	93.6	10.04	104.0	11.23
	12	52.8	5.62	63.2	6.68	73.2	7.81	78.4	8.38	83.6	8.99	93.6	10.20	104.0	11.44
	14	52.8	5.72	63.2	6.76	73.2	7.94	78.4	8.51	83.6	9.12	93.6	10.43	104.0	11.65
	16	52.8	5.80	63.2	6.89	73.2	8.07	78.4	8.68	83.6	9.29	93.6	10.60	104.0	11.89
	18	52.8	5.88	63.2	7.02	73.2	8.24	78.4	8.85	83.6	9.47	93.6	10.77	104.0	12.11
	20	52.8	5.98	63.2	7.15	73.2	8.38	78.4	9.03	83.6	9.68	93.6	11.03	104.0	12.56
	21	52.8	6.06	63.2	7.20	73.2	8.46	78.4	9.12	83.6	9.77	93.6	11.21	104.0	12.83
	23	52.8	6.16	63.2	7.37	73.2	8.64	78.4	9.42	83.6	10.25	93.6	11.99	104.0	13.54
	25	52.8	6.24	63.2	7.64	73.2	9.21	78.4	10.07	83.6	10.95	93.6	12.82	104.0	14.21
	27	52.8	6.58	63.2	8.16	73.2	9.81	78.4	10.69	83.6	11.70	93.6	13.70	104.0	15.09
	29	52.8	7.02	63.2	8.64	73.2	10.43	78.4	11.39	83.6	12.43	93.6	14.61	104.0	16.17
	31	52.8	7.46	63.2	9.21	73.2	11.13	78.4	12.17	83.6	13.26	93.6	15.58	104.0	17.16
	33	52.8	7.90	63.2	9.73	73.2	11.83	78.4	12.91	83.6	14.09	93.6	16.57	104.0	18.27
	35	52.8	8.33	63.2	10.38	73.2	12.56	78.4	13.74	83.6	15.01	93.6	17.66	104.0	19.37
	37	52.8	8.85	63.2	11.00	73.2	13.35	78.4	14.61	83.6	15.97	93.6	18.80	104.0	20.45
	39	52.8	9.40	63.2	11.73	73.2	14.27	78.4	15.72	83.6	17.25	93.6	20.12	104.0	22.04
	41	51.5	10.40	61.5	12.84	71.3	15.66	76.4	17.24	81.5	18.75	91.2	22.10	101.3	23.77
	43	50.2	11.32	60.0	14.00	69.5	17.08	74.5	18.80	79.5	20.48	89.0	24.15	98.8	25.71
46	47.0	12.58	56.3	15.74	65.2	19.24	69.8	20.95	74.5	23.09	83.3	27.23	92.6	28.65	
48	41.6	10.98	49.8	13.75	57.7	16.82	61.8	18.30	65.8	20.19	73.7	23.83	82.0	24.80	
60	10	45.2	4.77	54.0	5.59	62.8	6.51	67.2	6.98	71.6	7.42	80.4	8.42	89.2	9.41
	12	45.2	4.86	54.0	5.69	62.8	6.59	67.2	7.08	71.6	7.55	80.4	8.55	89.2	9.58
	14	45.2	4.90	54.0	5.77	62.8	6.72	67.2	7.20	71.6	7.68	80.4	8.72	89.2	9.76
	16	45.2	4.99	54.0	5.90	62.8	6.81	67.2	7.33	71.6	7.85	80.4	8.89	89.2	9.94
	18	45.2	5.07	54.0	5.98	62.8	6.94	67.2	7.46	71.6	7.98	80.4	9.02	89.2	10.15
	20	45.2	5.16	54.0	6.07	62.8	7.08	67.2	7.59	71.6	8.11	80.4	9.20	89.2	10.37
	21	45.2	5.20	54.0	6.11	62.8	7.16	67.2	7.68	71.6	8.19	80.4	9.32	89.2	10.45
	23	45.2	5.29	54.0	6.25	62.8	7.24	67.2	7.81	71.6	8.37	80.4	9.68	89.2	11.10
	25	45.2	5.38	54.0	6.38	62.8	7.55	67.2	8.19	71.6	8.89	80.4	10.33	89.2	11.88
	27	45.2	5.56	54.0	6.72	62.8	8.03	67.2	8.72	71.6	9.45	80.4	10.97	89.2	12.67
	29	45.2	5.90	54.0	7.16	62.8	8.55	67.2	9.28	71.6	10.07	80.4	11.71	89.2	13.53
	31	45.2	6.25	54.0	7.59	62.8	9.07	67.2	9.89	71.6	10.71	80.4	12.49	89.2	14.40
	33	45.2	6.59	54.0	8.03	62.8	9.63	67.2	10.50	71.6	11.41	80.4	13.27	89.2	15.35
	35	45.2	6.98	54.0	8.55	62.8	10.23	67.2	11.15	71.6	12.10	80.4	14.14	89.2	16.31
	37	45.2	7.37	54.0	9.02	62.8	10.84	67.2	11.84	71.6	12.84	80.4	15.01	89.2	17.35
	39	45.2	7.84	54.0	9.60	62.8	11.70	67.2	12.70	71.6	13.81	80.4	16.09	89.2	18.59
	41	44.0	8.50	52.6	10.51	61.2	12.72	65.5	13.88	69.8	14.99	78.3	17.66	87.0	20.20
	43	43.0	9.24	51.3	11.44	59.7	13.86	63.8	15.12	68.0	16.36	76.4	19.28	84.8	22.07
46	40.3	10.35	48.1	12.85	56.0	15.58	59.8	17.00	63.8	18.41	71.6	21.72	79.5	25.14	
48	35.6	9.02	42.5	11.21	49.5	13.62	53.0	14.85	56.4	16.08	63.3	19.00	70.3	22.00	
50	10	37.8	4.10	45.2	4.74	52.4	5.39	56.0	5.78	59.6	6.12	66.8	6.90	74.4	7.68
	12	37.8	4.14	45.2	4.79	52.4	5.48	56.0	5.87	59.6	6.25	66.8	7.03	74.4	7.81
	14	37.8	4.18	45.2	4.87	52.4	5.56	56.0	5.95	59.6	6.34	66.8	7.12	74.4	7.94
	16	37.8	4.27	45.2	4.96	52.4	5.65	56.0	6.08	59.6	6.43	66.8	7.25	74.4	8.07
	18	37.8	4.31	45.2	5.00	52.4	5.74	56.0	6.17	59.6	6.56	66.8	7.38	74.4	8.24
	20	37.8	4.36	45.2	5.09	52.4	5.87	56.0	6.25	59.6	6.69	66.8	7.51	74.4	8.41
	21	37.8	4.40	45.2	5.13	52.4	5.91	56.0	6.34	59.6	6.73	66.8	7.59	74.4	8.50
	23	37.8	4.48	45.2	5.22	52.4	6.00	56.0	6.43	59.6	6.86	66.8	7.72	74.4	8.67
	25	37.8	4.53	45.2	5.30	52.4	6.12	56.0	6.56	59.6	7.07	66.8	8.10	74.4	9.27
	27	37.8	4.61	45.2	5.48	52.4	6.46	56.0	6.99	59.6	7.51	66.8	8.67	74.4	9.87
	29	37.8	4.87	45.2	5.82	52.4	6.86	56.0	7.42	59.6	7.97	66.8	9.19	74.4	10.48
	31	37.8	5.13	45.2	6.17	52.4	7.28	56.0	7.85	59.6	8.50	66.8	9.79	74.4	11.17
	33	37.8	5.43	45.2	6.51	52.4	7.72	56.0	8.33	59.6	9.02	66.8	10.40	74.4	11.91
	35	37.8	5.74	45.2	6.90	52.4	8.15	56.0	8.84	59.6	9.53	66.8	11.00	74.4	12.63
	37	37.8	6.08	45.2	7.28	52.4	8.63	56.0	9.36	59.6	10.09	66.8	11.73	74.4	13.42
	39	37.8	6.48	45.2	7.81	52.4	9.24	56.0	10.07	59.6	10.83	66.8	12.50	74.4	14.48
	41	36.8	7.02	44.0	8.46	51.0	10.10	54.5	10.91	58.0	11.73	65.1	13.70	72.5	15.73
	43	36.0	7.63	43.0	9.20	49.8	10.99	53.2	11.88	56.7	12.78	63.5	14.94	70.7	17.16
46	33.7	8.54	40.3	10.32	46.7	12.33	49.8	13.34	53.0	14.34	59.5	16.81	66.3	19.32	
48	29.8	7.44	35.6	9.00	41.3	10.76	44.1	11.64	47.0	12.51	52.7	14.68	58.6	16.89	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN420BTE5

Cooling Capacity (42HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	107.5	12.16	128.1	14.86	137.2	17.23	141.2	17.59	145.1	17.73	152.1	17.87	156.1	17.94
	12	107.5	12.46	128.1	15.39	137.2	17.94	141.2	18.06	145.1	18.21	152.1	18.35	156.1	18.52
	14	107.5	12.88	128.1	15.95	137.2	18.62	141.2	18.75	145.1	18.90	152.1	19.06	156.1	19.23
	16	107.5	13.35	128.1	16.51	137.2	19.46	141.2	19.64	145.1	19.79	152.1	19.97	156.1	20.12
	18	107.5	13.91	128.1	17.46	137.2	20.35	141.2	20.78	145.1	20.95	152.1	21.16	156.1	21.31
	20	107.5	14.52	128.1	18.60	137.2	21.36	141.2	22.86	145.1	23.05	149.9	23.28	153.8	23.44
	21	107.5	14.90	128.1	19.25	137.2	21.80	141.2	24.20	145.1	24.39	149.1	24.63	153.0	24.81
	23	107.5	15.99	128.1	20.25	137.2	22.93	141.2	26.70	143.3	26.92	146.8	27.18	150.8	27.37
	25	107.5	17.08	128.1	21.42	137.2	24.51	139.5	29.61	141.2	29.85	145.1	30.14	149.1	30.35
	27	107.5	18.27	128.1	22.89	135.5	26.11	137.2	32.60	139.5	32.86	143.3	33.19	146.8	33.41
	29	107.5	19.47	128.1	24.48	133.3	28.09	135.3	35.83	137.2	36.05	141.2	36.36	145.1	36.51
	31	107.5	20.78	127.6	25.78	131.1	29.88	133.3	35.67	135.3	35.89	139.0	36.21	142.9	36.36
	33	107.5	22.14	125.5	27.32	129.3	32.05	131.4	35.35	133.3	35.57	137.2	35.88	140.7	36.02
	35	107.5	23.60	123.2	28.61	127.2	34.71	129.3	34.89	131.4	35.10	135.1	35.41	139.0	35.55
	37	107.5	25.17	121.5	30.02	125.5	34.25	127.2	34.43	129.3	34.63	132.8	34.94	136.8	35.08
	39	107.5	26.80	119.3	31.61	123.2	33.80	125.5	33.97	127.2	34.17	131.1	34.48	135.1	34.61
	41	104.8	28.44	114.4	33.18	118.3	33.34	120.0	33.51	122.3	33.71	126.0	34.01	129.5	34.15
	43	102.2	29.99	109.6	32.72	113.4	32.88	115.1	33.05	117.4	33.24	121.1	33.54	124.4	33.67
46	95.7	32.10	100.0	32.04	103.6	32.19	105.2	32.35	107.4	32.55	110.8	32.85	113.9	32.97	
48	84.7	31.20	86.8	31.30	90.1	31.36	91.5	31.45	93.5	31.72	96.4	31.92	99.2	32.04	
120	10	99.4	10.94	118.3	13.42	129.2	15.93	133.2	17.22	137.0	17.50	144.5	17.56	148.1	17.71
	12	99.4	11.24	118.3	13.86	129.2	16.57	133.2	17.58	137.0	18.14	144.5	18.37	148.1	18.51
	14	99.4	11.62	118.3	14.34	129.2	17.25	133.2	18.26	137.0	18.80	144.5	19.08	148.1	19.24
	16	99.4	12.04	118.3	14.92	129.2	17.91	133.2	18.93	137.0	19.68	144.5	19.92	148.1	20.07
	18	99.4	12.51	118.3	15.60	129.2	18.63	133.2	19.94	137.0	20.68	144.5	20.93	148.1	21.09
	20	99.4	12.99	118.3	16.54	129.2	19.63	133.2	20.98	137.0	21.79	144.5	22.07	148.1	22.25
	21	99.4	13.38	118.3	17.13	129.2	20.19	133.2	21.59	137.0	22.50	144.5	22.78	148.1	22.96
	23	99.4	14.31	118.3	18.32	129.2	21.62	133.2	22.94	137.0	23.99	144.5	24.23	148.1	24.43
	25	99.4	15.28	118.3	19.63	129.2	22.81	133.2	24.46	137.0	25.72	142.8	25.93	146.3	26.15
	27	99.4	16.31	118.3	20.99	129.2	24.28	133.2	26.13	137.0	27.65	140.6	27.83	144.2	28.06
	29	99.4	17.40	118.3	22.40	129.2	25.55	133.2	27.96	134.9	29.46	138.4	29.91	142.3	30.14
	31	99.4	18.55	118.3	23.93	129.2	26.87	131.4	29.96	133.2	31.61	136.7	32.17	140.2	32.42
	33	99.4	19.74	118.3	25.50	127.4	28.42	129.2	32.52	130.9	33.94	134.4	34.32	137.9	34.60
	35	99.4	20.99	118.3	27.19	125.3	30.08	127.0	35.83	129.2	36.00	132.7	36.12	136.2	36.40
	37	99.4	22.58	118.3	28.69	123.5	32.07	125.3	35.08	127.0	35.24	130.5	35.36	134.0	35.64
	39	99.4	24.31	117.8	30.32	121.3	34.02	123.0	34.35	124.8	34.53	128.8	34.63	132.3	34.91
	41	96.9	26.03	112.7	31.96	116.5	33.34	118.1	33.64	119.9	33.80	123.3	33.90	126.9	34.17
	43	94.5	27.79	108.0	31.51	111.7	32.60	113.3	32.91	115.0	33.08	118.3	33.18	121.8	33.44
46	88.6	29.88	98.4	30.75	102.0	31.58	103.5	31.83	105.0	31.99	108.3	32.09	111.5	32.34	
48	78.4	29.28	85.4	30.21	88.7	30.95	90.0	31.15	91.4	31.25	94.2	31.36	97.0	31.49	
110	10	91.0	9.84	108.5	12.00	121.1	14.24	124.6	15.42	132.5	16.59	135.6	17.05	144.7	17.33
	12	91.0	10.15	108.5	12.40	121.1	14.84	124.6	15.85	132.5	17.22	135.6	17.77	144.7	18.18
	14	91.0	10.46	108.5	12.96	121.1	15.50	124.6	16.64	132.5	18.09	135.6	18.60	144.7	18.99
	16	91.0	10.83	108.5	13.42	121.1	16.15	124.6	17.37	132.5	18.92	135.6	19.43	144.7	19.77
	18	91.0	11.24	108.5	13.98	121.1	17.08	124.6	18.29	132.5	19.96	135.6	20.35	144.7	20.73
	20	91.0	11.64	108.5	14.69	121.1	18.11	124.6	19.13	132.5	20.93	135.6	21.44	144.7	21.79
	21	91.0	11.90	108.5	15.12	121.1	18.57	124.6	19.64	132.5	21.51	135.6	22.05	144.7	22.40
	23	91.0	12.67	108.5	16.21	121.1	19.61	124.6	20.73	132.5	22.72	135.6	23.21	144.7	23.59
	25	91.0	13.54	108.5	17.30	121.1	20.72	124.6	21.92	132.5	24.00	135.6	24.35	143.0	24.84
	27	91.0	14.46	108.5	18.49	121.1	21.89	124.6	23.19	132.5	25.07	135.6	25.65	140.9	26.08
	29	91.0	15.45	108.5	19.74	121.1	23.14	124.6	24.56	132.5	26.49	135.6	26.95	139.1	27.35
	31	91.0	16.42	108.5	21.05	121.1	24.45	124.6	26.03	130.4	27.84	133.9	28.39	136.9	28.69
	33	91.0	17.51	108.5	22.40	121.1	25.83	124.6	27.58	128.6	29.40	131.6	29.89	135.1	30.06
	35	91.0	18.60	108.5	23.93	121.1	27.28	124.6	29.23	126.4	31.03	129.5	31.31	133.0	31.46
	37	91.0	19.71	108.5	25.40	121.1	28.80	122.9	30.97	124.2	32.72	127.7	32.83	130.7	32.93
	39	91.0	21.26	108.5	26.99	119.0	30.39	120.7	33.13	122.5	34.35	125.5	34.40	129.0	34.43
	41	88.7	22.79	105.7	28.58	113.9	32.04	115.7	35.83	117.1	35.83	120.6	36.12	123.6	36.40
	43	86.5	23.93	103.1	29.78	109.2	33.99	110.9	34.37	112.4	34.30	115.7	34.48	118.6	34.58
46	81.0	23.36	96.6	28.74	99.6	32.25	101.3	32.25	102.6	32.53	105.7	32.71	108.5	32.80	
48	71.7	22.68	84.0	27.70	86.5	30.69	88.0	30.89	89.2	31.05	92.0	31.13	94.4	31.25	

# 7. Capacity Tables

Cooling Capacity (42HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	79.4	8.86	94.5	10.76	110.1	12.78	117.6	13.80	125.1	14.84	138.8	16.51	141.8	16.64
	12	79.4	9.14	94.5	11.21	110.1	13.21	117.6	14.18	125.1	15.30	138.8	17.40	141.8	17.57
	14	79.4	9.43	94.5	11.65	110.1	13.77	117.6	14.79	125.1	15.96	138.8	18.37	141.8	18.54
	16	79.4	9.72	94.5	12.05	110.1	14.35	117.6	15.49	125.1	16.82	138.8	19.26	141.8	19.53
	18	79.4	10.00	94.5	12.49	110.1	14.91	117.6	16.24	125.1	17.84	138.8	20.35	141.8	20.51
	20	79.4	10.36	94.5	12.96	110.1	15.78	117.6	17.40	125.1	19.09	138.8	21.32	141.8	21.49
	21	79.4	10.58	94.5	13.27	110.1	16.31	117.6	18.01	125.1	19.79	138.8	21.81	141.8	21.98
	23	79.4	11.21	94.5	14.20	110.1	17.51	117.6	19.31	125.1	21.21	138.8	22.83	141.8	23.02
	25	79.4	11.91	94.5	15.12	110.1	18.70	117.6	20.67	125.1	22.68	138.8	23.81	140.7	24.00
	27	79.4	12.73	94.5	16.16	110.1	20.02	117.6	22.08	125.1	24.11	136.1	24.93	138.9	25.13
	29	79.4	13.54	94.5	17.24	110.1	21.38	117.6	23.60	125.1	25.52	133.5	25.93	136.8	26.14
	31	79.4	14.46	94.5	18.39	110.1	22.79	117.6	25.19	125.1	26.82	131.6	26.94	134.7	27.15
	33	79.4	15.34	94.5	19.58	110.1	24.31	117.6	26.87	125.1	27.83	129.5	27.94	132.6	28.16
	35	79.4	16.31	94.5	20.83	110.1	25.88	117.6	28.66	123.2	28.84	127.1	28.95	130.3	29.18
	37	79.4	17.48	94.5	22.35	110.1	27.42	117.6	30.03	121.3	30.17	124.7	30.29	127.7	30.57
	39	79.4	18.73	94.5	24.00	110.1	29.05	117.6	31.49	119.2	31.63	122.7	31.76	125.6	32.05
	41	78.1	19.99	93.0	25.65	108.3	30.70	112.9	32.96	115.3	33.09	118.0	33.21	121.8	33.52
	43	75.4	21.16	89.8	27.20	104.6	32.17	108.2	34.22	109.4	34.35	112.9	34.45	115.8	34.78
46	70.7	22.76	84.2	29.32	98.0	34.12	98.7	35.83	99.9	35.93	103.1	36.03	105.9	36.38	
48	62.5	19.66	74.4	25.37	84.6	29.17	85.9	30.40	86.8	30.50	89.6	30.57	92.0	30.81	
90	10	71.4	7.84	85.2	9.44	99.1	11.12	105.9	11.98	112.5	12.90	126.4	14.44	140.3	16.06
	12	71.4	7.94	85.2	9.58	99.1	11.31	105.9	12.23	112.5	13.19	126.4	14.72	140.3	16.34
	14	71.4	8.09	85.2	9.77	99.1	11.56	105.9	12.47	112.5	13.43	126.4	15.01	140.3	16.67
	16	71.4	8.23	85.2	9.96	99.1	11.79	105.9	12.70	112.5	13.68	126.4	15.30	140.3	16.96
	18	71.4	8.38	85.2	10.16	99.1	11.98	105.9	13.00	112.5	13.96	126.4	15.63	140.3	17.81
	20	71.4	8.52	85.2	10.35	99.1	12.23	105.9	13.24	112.5	14.49	126.4	16.72	140.3	18.66
	21	71.4	8.62	85.2	10.45	99.1	12.47	105.9	13.68	112.5	15.02	126.4	17.00	140.3	19.09
	23	71.4	8.81	85.2	10.88	99.1	13.34	105.9	14.69	112.5	16.08	126.4	18.03	138.4	19.99
	25	71.4	9.24	85.2	11.61	99.1	14.25	105.9	15.70	112.5	17.18	126.4	19.28	136.3	20.84
	27	71.4	9.87	85.2	12.37	99.1	15.21	105.9	16.75	112.5	18.39	126.4	20.49	134.4	21.82
	29	71.4	10.45	85.2	13.19	99.1	16.27	105.9	17.90	112.5	19.64	126.4	21.71	132.3	22.70
	31	71.4	11.12	85.2	14.06	99.1	17.33	105.9	19.06	112.5	20.94	126.4	22.80	130.4	23.59
	33	71.4	11.84	85.2	14.97	99.1	18.49	105.9	20.31	112.5	22.21	126.4	23.89	128.3	24.46
	35	71.4	12.57	85.2	15.88	99.1	19.64	105.9	21.67	112.5	23.55	124.2	25.27	126.4	25.84
	37	71.4	13.34	85.2	16.89	99.1	20.94	105.9	23.01	112.5	24.86	122.3	26.41	124.4	27.00
	39	71.4	14.12	85.2	17.97	99.1	22.16	105.9	24.49	112.5	26.14	120.2	27.84	122.3	28.18
	41	69.6	15.80	83.1	19.92	96.6	24.33	103.1	26.78	109.7	28.23	115.2	29.34	117.3	30.02
	43	67.9	17.06	81.0	21.53	94.2	26.58	100.6	28.84	106.9	30.27	110.4	31.43	112.5	31.80
46	63.6	19.19	75.9	24.52	88.2	30.28	94.3	32.70	97.2	33.63	100.8	34.49	102.7	34.54	
48	56.2	16.77	67.2	21.45	78.1	26.50	83.3	28.53	84.4	28.97	87.7	29.69	89.3	29.73	
80	10	63.4	6.57	75.6	7.89	87.8	9.26	94.1	9.99	100.4	10.72	112.5	12.22	124.8	13.27
	12	63.4	6.70	75.6	7.98	87.8	9.44	94.1	10.17	100.4	10.90	112.5	12.45	124.8	13.54
	14	63.4	6.79	75.6	8.17	87.8	9.58	94.1	10.35	100.4	11.08	112.5	12.68	124.8	13.80
	16	63.4	6.89	75.6	8.30	87.8	9.76	94.1	10.54	100.4	11.31	112.5	12.95	124.8	14.06
	18	63.4	7.02	75.6	8.44	87.8	9.94	94.1	10.72	100.4	11.54	112.5	13.18	124.8	14.37
	20	63.4	7.16	75.6	8.62	87.8	10.17	94.1	10.94	100.4	11.77	112.5	13.68	124.8	15.22
	21	63.4	7.21	75.6	8.71	87.8	10.26	94.1	11.08	100.4	12.04	112.5	14.12	124.8	15.62
	23	63.4	7.34	75.6	8.85	87.8	10.72	94.1	11.77	100.4	12.86	112.5	14.91	124.8	16.40
	25	63.4	7.62	75.6	9.44	87.8	11.50	94.1	12.59	100.4	13.78	112.5	15.95	124.8	17.53
	27	63.4	8.07	75.6	10.03	87.8	12.27	94.1	13.46	100.4	14.69	112.5	16.95	124.8	18.45
	29	63.4	8.58	75.6	10.72	87.8	13.05	94.1	14.32	100.4	15.69	112.5	18.15	124.8	19.74
	31	63.4	9.12	75.6	11.36	87.8	13.91	94.1	15.28	100.4	16.70	112.5	19.27	124.8	20.73
	33	63.4	9.67	75.6	12.14	87.8	14.82	94.1	16.28	100.4	17.78	112.5	20.30	124.8	21.73
	35	63.4	10.26	75.6	12.86	87.8	15.78	94.1	17.33	100.4	18.98	112.5	21.53	123.4	22.52
	37	63.4	10.86	75.6	13.68	87.8	16.74	94.1	18.42	100.4	20.16	112.5	22.72	121.4	23.55
	39	63.4	11.47	75.6	14.46	87.8	17.90	94.1	19.81	100.4	21.66	112.5	24.01	119.4	24.84
	41	61.8	12.69	73.7	16.02	85.6	19.65	91.7	21.71	97.8	23.81	109.7	26.71	114.4	27.54
	43	60.2	13.97	71.9	17.48	83.5	21.45	89.4	23.67	95.4	26.02	106.9	28.58	109.7	29.48
46	56.5	15.55	67.4	19.69	78.2	24.17	83.8	26.34	89.4	29.36	97.8	31.20	100.1	31.70	
48	50.0	13.57	59.5	17.22	69.1	21.14	74.2	23.01	79.1	25.70	84.9	27.00	87.0	27.29	



# 7. Capacity Tables

Cooling Capacity (42HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	55.5	5.76	66.3	6.85	76.8	7.94	82.3	8.58	87.8	9.17	98.3	10.44	109.2	11.67
	12	55.5	5.85	66.3	6.95	76.8	8.12	82.3	8.71	87.8	9.35	98.3	10.61	109.2	11.89
	14	55.5	5.95	66.3	7.03	76.8	8.25	82.3	8.85	87.8	9.49	98.3	10.84	109.2	12.11
	16	55.5	6.03	66.3	7.17	76.8	8.39	82.3	9.03	87.8	9.66	98.3	11.03	109.2	12.37
	18	55.5	6.12	66.3	7.30	76.8	8.58	82.3	9.21	87.8	9.85	98.3	11.20	109.2	12.59
	20	55.5	6.22	66.3	7.44	76.8	8.71	82.3	9.39	87.8	10.07	98.3	11.48	109.2	13.07
	21	55.5	6.31	66.3	7.49	76.8	8.80	82.3	9.49	87.8	10.17	98.3	11.66	109.2	13.34
	23	55.5	6.40	66.3	7.66	76.8	8.98	82.3	9.80	87.8	10.66	98.3	12.47	109.2	14.09
	25	55.5	6.49	66.3	7.94	76.8	9.57	82.3	10.48	87.8	11.39	98.3	13.34	109.2	14.78
	27	55.5	6.85	66.3	8.49	76.8	10.20	82.3	11.12	87.8	12.16	98.3	14.25	109.2	15.70
	29	55.5	7.30	66.3	8.98	76.8	10.84	82.3	11.84	87.8	12.93	98.3	15.20	109.2	16.81
	31	55.5	7.76	66.3	9.57	76.8	11.57	82.3	12.66	87.8	13.79	98.3	16.20	109.2	17.85
	33	55.5	8.22	66.3	10.12	76.8	12.30	82.3	13.43	87.8	14.66	98.3	17.24	109.2	19.00
	35	55.5	8.66	66.3	10.80	76.8	13.07	82.3	14.29	87.8	15.61	98.3	18.37	109.2	20.15
	37	55.5	9.21	66.3	11.44	76.8	13.88	82.3	15.20	87.8	16.61	98.3	19.56	109.2	21.27
	39	55.5	9.78	66.3	12.20	76.8	14.85	82.3	16.35	87.8	17.94	98.3	20.93	109.2	22.93
	41	54.1	10.81	64.6	13.36	74.9	16.28	80.2	17.93	85.6	19.50	95.7	22.98	106.4	24.73
	43	52.7	11.77	63.0	14.56	73.0	17.76	78.2	19.56	83.5	21.30	93.4	25.11	103.8	26.74
46	49.4	13.08	59.1	16.37	68.4	20.01	73.3	21.79	78.2	24.01	87.5	28.32	97.3	29.80	
48	43.7	11.42	52.3	14.30	60.6	17.49	64.9	19.03	69.1	21.00	77.4	24.79	86.1	25.79	
60	10	47.4	4.97	56.7	5.82	66.0	6.77	70.5	7.26	75.2	7.72	84.4	8.76	93.6	9.80
	12	47.4	5.05	56.7	5.92	66.0	6.86	70.5	7.36	75.2	7.86	84.4	8.89	93.6	9.97
	14	47.4	5.10	56.7	6.00	66.0	6.99	70.5	7.49	75.2	7.99	84.4	9.07	93.6	10.15
	16	47.4	5.19	56.7	6.14	66.0	7.09	70.5	7.62	75.2	8.17	84.4	9.25	93.6	10.34
	18	47.4	5.28	56.7	6.23	66.0	7.23	70.5	7.76	75.2	8.30	84.4	9.39	93.6	10.56
	20	47.4	5.37	56.7	6.31	66.0	7.36	70.5	7.89	75.2	8.44	84.4	9.57	93.6	10.79
	21	47.4	5.41	56.7	6.36	66.0	7.45	70.5	7.99	75.2	8.53	84.4	9.70	93.6	10.87
	23	47.4	5.51	56.7	6.50	66.0	7.54	70.5	8.13	75.2	8.71	84.4	10.07	93.6	11.55
	25	47.4	5.60	56.7	6.63	66.0	7.86	70.5	8.53	75.2	9.25	84.4	10.75	93.6	12.37
	27	47.4	5.78	56.7	6.99	66.0	8.35	70.5	9.07	75.2	9.83	84.4	11.42	93.6	13.18
	29	47.4	6.14	56.7	7.45	66.0	8.89	70.5	9.66	75.2	10.48	84.4	12.18	93.6	14.08
	31	47.4	6.50	56.7	7.89	66.0	9.44	70.5	10.29	75.2	11.14	84.4	13.00	93.6	14.99
	33	47.4	6.86	56.7	8.35	66.0	10.02	70.5	10.92	75.2	11.87	84.4	13.81	93.6	15.97
	35	47.4	7.26	56.7	8.89	66.0	10.65	70.5	11.60	75.2	12.59	84.4	14.71	93.6	16.97
	37	47.4	7.67	56.7	9.39	66.0	11.28	70.5	12.32	75.2	13.36	84.4	15.62	93.6	18.05
	39	47.4	8.16	56.7	9.99	66.0	12.18	70.5	13.22	75.2	14.37	84.4	16.74	93.6	19.34
	41	46.2	8.85	55.3	10.94	64.2	13.23	68.8	14.44	73.3	15.60	82.3	18.37	91.3	21.02
	43	45.1	9.61	53.9	11.91	62.7	14.42	67.0	15.73	71.4	17.02	80.2	20.06	89.0	22.96
46	42.3	10.77	50.5	13.37	58.8	16.21	62.8	17.69	67.0	19.15	75.2	22.60	83.4	26.16	
48	37.4	9.39	44.6	11.67	52.0	14.17	55.6	15.45	59.2	16.74	66.5	19.77	73.8	22.89	
50	10	39.7	4.27	47.4	4.94	55.0	5.62	58.8	6.01	62.6	6.37	70.2	7.19	78.1	7.99
	12	39.7	4.31	47.4	4.98	55.0	5.70	58.8	6.11	62.6	6.51	70.2	7.32	78.1	8.13
	14	39.7	4.35	47.4	5.07	55.0	5.79	58.8	6.20	62.6	6.60	70.2	7.41	78.1	8.26
	16	39.7	4.44	47.4	5.16	55.0	5.88	58.8	6.33	62.6	6.69	70.2	7.54	78.1	8.40
	18	39.7	4.49	47.4	5.21	55.0	5.97	58.8	6.42	62.6	6.83	70.2	7.68	78.1	8.57
	20	39.7	4.54	47.4	5.29	55.0	6.11	58.8	6.51	62.6	6.96	70.2	7.82	78.1	8.76
	21	39.7	4.58	47.4	5.34	55.0	6.15	58.8	6.60	62.6	7.00	70.2	7.90	78.1	8.84
	23	39.7	4.66	47.4	5.43	55.0	6.25	58.8	6.69	62.6	7.14	70.2	8.04	78.1	9.03
	25	39.7	4.71	47.4	5.52	55.0	6.37	58.8	6.83	62.6	7.36	70.2	8.44	78.1	9.65
	27	39.7	4.80	47.4	5.70	55.0	6.73	58.8	7.27	62.6	7.82	70.2	9.03	78.1	10.28
	29	39.7	5.07	47.4	6.06	55.0	7.14	58.8	7.72	62.6	8.30	70.2	9.56	78.1	10.91
	31	39.7	5.34	47.4	6.42	55.0	7.58	58.8	8.18	62.6	8.84	70.2	10.19	78.1	11.63
	33	39.7	5.65	47.4	6.78	55.0	8.04	58.8	8.67	62.6	9.39	70.2	10.82	78.1	12.39
	35	39.7	5.97	47.4	7.19	55.0	8.49	58.8	9.20	62.6	9.92	70.2	11.45	78.1	13.15
	37	39.7	6.33	47.4	7.58	55.0	8.98	58.8	9.75	62.6	10.50	70.2	12.21	78.1	13.96
	39	39.7	6.75	47.4	8.13	55.0	9.62	58.8	10.48	62.6	11.27	70.2	13.01	78.1	15.08
	41	38.7	7.31	46.2	8.81	53.6	10.52	57.3	11.36	60.9	12.21	68.4	14.26	76.1	16.37
	43	37.8	7.94	45.1	9.58	52.3	11.44	55.8	12.36	59.5	13.30	66.7	15.55	74.2	17.86
46	35.3	8.89	42.3	10.74	49.0	12.84	52.3	13.88	55.7	14.92	62.5	17.50	69.6	20.11	
48	31.3	7.75	37.4	9.37	43.4	11.20	46.4	12.12	49.3	13.03	55.3	15.28	61.6	17.58	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN440BTE5

Cooling Capacity (44HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	112.6	12.83	134.2	15.67	143.8	18.18	147.9	18.56	152.0	18.70	159.3	18.86	163.5	18.93
	12	112.6	13.15	134.2	16.23	143.8	18.93	147.9	19.05	152.0	19.21	159.3	19.36	163.5	19.54
	14	112.6	13.58	134.2	16.82	143.8	19.64	147.9	19.79	152.0	19.94	159.3	20.11	163.5	20.29
	16	112.6	14.09	134.2	17.41	143.8	20.53	147.9	20.72	152.0	20.88	159.3	21.07	163.5	21.23
	18	112.6	14.68	134.2	18.42	143.8	21.47	147.9	21.93	152.0	22.10	159.3	22.33	163.5	22.48
	20	112.6	15.32	134.2	19.62	143.8	22.53	147.9	24.12	152.0	24.31	157.1	24.56	161.2	24.73
	21	112.6	15.72	134.2	20.31	143.8	23.00	147.9	25.53	152.0	25.74	156.2	25.98	160.3	26.17
	23	112.6	16.87	134.2	21.37	143.8	24.19	147.9	28.17	150.1	28.40	153.8	28.68	158.0	28.87
	25	112.6	18.02	134.2	22.60	143.8	25.86	146.1	31.24	147.9	31.49	152.0	31.80	156.2	32.02
	27	112.6	19.28	134.2	24.15	141.9	27.55	143.8	34.39	146.1	34.67	150.1	35.02	153.8	35.25
	29	112.6	20.55	134.2	25.82	139.7	29.64	141.7	37.80	143.8	38.03	147.9	38.36	152.0	38.52
	31	112.6	21.92	133.7	27.20	137.3	31.52	139.7	37.64	141.7	37.86	145.6	38.21	149.8	38.36
	33	112.6	23.35	131.4	28.82	135.5	33.82	137.7	37.30	139.7	37.52	143.8	37.86	147.4	38.00
	35	112.6	24.90	129.1	30.18	133.3	36.62	135.5	36.81	137.7	37.03	141.5	37.36	145.6	37.51
	37	112.6	26.56	127.3	31.68	131.4	36.14	133.3	36.32	135.5	36.54	139.2	36.87	143.4	37.01
	39	112.6	28.28	125.0	33.35	129.1	35.66	131.4	35.84	133.3	36.05	137.3	36.38	141.5	36.52
	41	109.8	30.00	119.9	35.01	123.9	35.18	125.7	35.35	128.2	35.56	132.0	35.88	135.6	36.03
	43	107.1	31.64	114.8	34.52	118.8	34.69	120.6	34.86	123.0	35.07	126.8	35.39	130.3	35.53
46	100.3	33.87	104.7	33.80	108.5	33.96	110.2	34.13	112.6	34.34	116.1	34.65	119.3	34.78	
48	88.7	32.92	91.0	33.02	94.4	33.09	95.9	33.18	97.9	33.47	101.0	33.68	103.9	33.80	
120	10	104.2	11.54	123.9	14.15	135.3	16.81	139.5	18.17	143.6	18.46	151.4	18.53	155.1	18.68
	12	104.2	11.86	123.9	14.63	135.3	17.49	139.5	18.55	143.6	19.14	151.4	19.38	155.1	19.52
	14	104.2	12.26	123.9	15.13	135.3	18.20	139.5	19.26	143.6	19.84	151.4	20.13	155.1	20.30
	16	104.2	12.70	123.9	15.74	135.3	18.90	139.5	19.98	143.6	20.76	151.4	21.02	155.1	21.18
	18	104.2	13.20	123.9	16.45	135.3	19.66	139.5	21.03	143.6	21.82	151.4	22.08	155.1	22.25
	20	104.2	13.70	123.9	17.45	135.3	20.71	139.5	22.13	143.6	22.98	151.4	23.28	155.1	23.47
	21	104.2	14.12	123.9	18.08	135.3	21.30	139.5	22.78	143.6	23.74	151.4	24.03	155.1	24.23
	23	104.2	15.09	123.9	19.33	135.3	22.81	139.5	24.21	143.6	25.30	151.4	25.56	155.1	25.77
	25	104.2	16.12	123.9	20.71	135.3	24.07	139.5	25.81	143.6	27.13	149.6	27.36	153.3	27.58
	27	104.2	17.21	123.9	22.15	135.3	25.61	139.5	27.57	143.6	29.17	147.3	29.36	151.0	29.60
	29	104.2	18.36	123.9	23.63	135.3	26.95	139.5	29.50	141.3	31.08	145.0	31.55	149.1	31.80
	31	104.2	19.57	123.9	25.25	135.3	28.35	137.7	31.61	139.5	33.35	143.2	33.94	146.8	34.20
	33	104.2	20.83	123.9	26.91	133.5	29.99	135.3	34.31	137.2	35.80	140.8	36.21	144.5	36.50
	35	104.2	22.15	123.9	28.68	131.3	31.73	133.1	37.80	135.3	37.98	139.0	38.10	142.7	38.40
	37	104.2	23.82	123.9	30.27	129.4	33.83	131.3	37.00	133.1	37.18	136.8	37.30	140.4	37.60
	39	104.2	25.65	123.4	31.99	127.1	35.89	128.9	36.24	130.7	36.43	134.9	36.53	138.6	36.83
	41	101.5	27.47	118.1	33.72	122.1	35.18	123.7	35.49	125.6	35.66	129.2	35.77	132.9	36.05
	43	99.0	29.32	113.1	33.24	117.0	34.39	118.7	34.72	120.5	34.90	124.0	35.00	127.6	35.28
46	92.8	31.52	103.1	32.44	106.9	33.31	108.4	33.58	110.0	33.75	113.4	33.85	116.8	34.12	
48	82.1	30.89	89.5	31.87	92.9	32.65	94.3	32.86	95.7	32.96	98.7	33.09	101.6	33.23	
110	10	95.3	10.38	113.7	12.66	126.9	15.03	130.6	16.27	138.8	17.50	142.1	17.99	151.6	18.29
	12	95.3	10.71	113.7	13.08	126.9	15.65	130.6	16.72	138.8	18.16	142.1	18.75	151.6	19.18
	14	95.3	11.04	113.7	13.67	126.9	16.36	130.6	17.55	138.8	19.08	142.1	19.62	151.6	20.03
	16	95.3	11.43	113.7	14.16	126.9	17.03	130.6	18.32	138.8	19.96	142.1	20.50	151.6	20.86
	18	95.3	11.86	113.7	14.75	126.9	18.02	130.6	19.29	138.8	21.05	142.1	21.47	151.6	21.87
	20	95.3	12.28	113.7	15.50	126.9	19.10	130.6	20.18	138.8	22.08	142.1	22.62	151.6	22.98
	21	95.3	12.55	113.7	15.95	126.9	19.59	130.6	20.72	138.8	22.69	142.1	23.26	151.6	23.63
	23	95.3	13.37	113.7	17.10	126.9	20.69	130.6	21.87	138.8	23.97	142.1	24.48	151.6	24.89
	25	95.3	14.28	113.7	18.25	126.9	21.86	130.6	23.13	138.8	25.32	142.1	25.69	149.8	26.21
	27	95.3	15.26	113.7	19.51	126.9	23.09	130.6	24.47	138.8	26.45	142.1	27.06	147.6	27.51
	29	95.3	16.30	113.7	20.83	126.9	24.41	130.6	25.92	138.8	27.95	142.1	28.44	145.7	28.86
	31	95.3	17.33	113.7	22.20	126.9	25.79	130.6	27.46	136.6	29.37	140.2	29.95	143.4	30.26
	33	95.3	18.48	113.7	23.63	126.9	27.25	130.6	29.10	134.7	31.01	137.9	31.53	141.6	31.71
	35	95.3	19.62	113.7	25.25	126.9	28.78	130.6	30.84	132.4	32.74	135.7	33.03	139.3	33.19
	37	95.3	20.79	113.7	26.80	126.9	30.39	128.7	32.67	130.2	34.52	133.8	34.64	137.0	34.74
	39	95.3	22.43	113.7	28.47	124.7	32.06	126.5	34.95	128.3	36.24	131.5	36.29	135.2	36.33
	41	92.9	24.05	110.7	30.15	119.3	33.80	121.2	37.80	122.7	37.80	126.3	38.10	129.5	38.40
	43	90.6	25.25	108.0	31.41	114.4	35.85	116.2	36.26	117.7	36.18	121.2	36.38	124.3	36.48
46	84.9	24.64	101.2	30.32	104.3	34.03	106.1	34.03	107.5	34.32	110.8	34.51	113.7	34.60	
48	75.1	23.93	88.0	29.22	90.6	32.37	92.2	32.59	93.5	32.75	96.4	32.84	98.9	32.97	



# 7. Capacity Tables

Cooling Capacity (44HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	83.2	9.35	99.0	11.36	115.3	13.48	123.2	14.56	131.1	15.65	145.4	17.42	148.5	17.56
	12	83.2	9.65	99.0	11.82	115.3	13.93	123.2	14.96	131.1	16.14	145.4	18.35	148.5	18.53
	14	83.2	9.95	99.0	12.30	115.3	14.52	123.2	15.60	131.1	16.84	145.4	19.38	148.5	19.56
	16	83.2	10.25	99.0	12.71	115.3	15.14	123.2	16.34	131.1	17.75	145.4	20.32	148.5	20.60
	18	83.2	10.55	99.0	13.18	115.3	15.73	123.2	17.14	131.1	18.82	145.4	21.47	148.5	21.64
	20	83.2	10.93	99.0	13.67	115.3	16.64	123.2	18.36	131.1	20.14	145.4	22.50	148.5	22.67
	21	83.2	11.16	99.0	14.00	115.3	17.21	123.2	19.00	131.1	20.88	145.4	23.01	148.5	23.19
	23	83.2	11.82	99.0	14.98	115.3	18.48	123.2	20.37	131.1	22.38	145.4	24.09	148.5	24.29
	25	83.2	12.57	99.0	15.95	115.3	19.73	123.2	21.80	131.1	23.93	145.4	25.11	147.4	25.32
	27	83.2	13.43	99.0	17.05	115.3	21.12	123.2	23.30	131.1	25.44	142.6	26.30	145.6	26.51
	29	83.2	14.28	99.0	18.18	115.3	22.55	123.2	24.90	131.1	26.92	139.9	27.36	143.4	27.58
	31	83.2	15.26	99.0	19.40	115.3	24.05	123.2	26.57	131.1	28.29	137.8	28.42	141.2	28.65
	33	83.2	16.18	99.0	20.65	115.3	25.65	123.2	28.35	131.1	29.36	135.6	29.48	139.0	29.71
	35	83.2	17.21	99.0	21.98	115.3	27.31	123.2	30.23	129.1	30.42	133.1	30.54	136.5	30.79
	37	83.2	18.44	99.0	23.58	115.3	28.93	123.2	31.68	127.0	31.83	130.7	31.96	133.8	32.25
	39	83.2	19.76	99.0	25.32	115.3	30.65	123.2	33.23	124.9	33.37	128.5	33.50	131.6	33.81
	41	81.8	21.09	97.4	27.06	113.5	32.39	118.2	34.78	120.8	34.91	123.6	35.04	127.6	35.37
	43	79.0	22.32	94.1	28.70	109.6	33.94	113.3	36.10	114.6	36.24	118.2	36.35	121.3	36.69
46	74.1	24.01	88.2	30.93	102.7	35.99	103.4	37.80	104.6	37.91	108.0	38.02	110.9	38.38	
48	65.5	20.74	78.0	26.77	88.6	30.77	90.0	32.07	90.9	32.18	93.9	32.25	96.4	32.51	
90	10	74.8	8.17	89.3	9.83	103.8	11.59	110.9	12.48	117.9	13.44	132.4	15.04	147.0	16.74
	12	74.8	8.27	89.3	9.98	103.8	11.78	110.9	12.74	117.9	13.74	132.4	15.34	147.0	17.02
	14	74.8	8.43	89.3	10.18	103.8	12.04	110.9	12.99	117.9	13.99	132.4	15.64	147.0	17.37
	16	74.8	8.57	89.3	10.38	103.8	12.29	110.9	13.24	117.9	14.25	132.4	15.94	147.0	17.67
	18	74.8	8.73	89.3	10.59	103.8	12.48	110.9	13.55	117.9	14.55	132.4	16.29	147.0	18.56
	20	74.8	8.87	89.3	10.78	103.8	12.74	110.9	13.79	117.9	15.09	132.4	17.43	147.0	19.44
	21	74.8	8.98	89.3	10.88	103.8	12.99	110.9	14.25	117.9	15.65	132.4	17.71	147.0	19.89
	23	74.8	9.18	89.3	11.34	103.8	13.90	110.9	15.30	117.9	16.76	132.4	18.79	145.0	20.83
	25	74.8	9.63	89.3	12.09	103.8	14.85	110.9	16.35	117.9	17.90	132.4	20.09	142.8	21.72
	27	74.8	10.29	89.3	12.89	103.8	15.85	110.9	17.46	117.9	19.16	132.4	21.35	140.8	22.74
	29	74.8	10.88	89.3	13.74	103.8	16.95	110.9	18.65	117.9	20.46	132.4	22.62	138.6	23.65
	31	74.8	11.59	89.3	14.65	103.8	18.06	110.9	19.86	117.9	21.82	132.4	23.75	136.6	24.57
	33	74.8	12.34	89.3	15.60	103.8	19.26	110.9	21.16	117.9	23.14	132.4	24.89	134.4	25.49
	35	74.8	13.09	89.3	16.55	103.8	20.46	110.9	22.57	117.9	24.54	130.2	26.33	132.4	26.93
	37	74.8	13.90	89.3	17.60	103.8	21.82	110.9	23.98	117.9	25.91	128.1	27.52	130.3	28.14
	39	74.8	14.71	89.3	18.72	103.8	23.09	110.9	25.52	117.9	27.24	126.0	29.01	128.2	29.36
	41	72.9	16.46	87.1	20.76	101.2	25.35	108.0	27.91	114.9	29.41	120.7	30.57	122.8	31.27
	43	71.1	17.77	84.9	22.44	98.7	27.69	105.4	30.05	112.0	31.53	115.7	32.74	117.9	33.13
46	66.6	20.00	79.6	25.54	92.4	31.55	98.8	34.07	101.8	35.04	105.6	35.94	107.6	35.99	
48	58.9	17.48	70.4	22.35	81.8	27.61	87.3	29.73	88.4	30.19	91.8	30.94	93.5	30.98	
80	10	66.4	6.87	79.2	8.25	92.0	9.68	98.6	10.45	105.2	11.21	117.9	12.78	130.7	13.88
	12	66.4	7.01	79.2	8.35	92.0	9.87	98.6	10.63	105.2	11.40	117.9	13.02	130.7	14.16
	14	66.4	7.10	79.2	8.54	92.0	10.01	98.6	10.83	105.2	11.59	117.9	13.26	130.7	14.43
	16	66.4	7.20	79.2	8.68	92.0	10.21	98.6	11.02	105.2	11.83	117.9	13.54	130.7	14.71
	18	66.4	7.35	79.2	8.83	92.0	10.40	98.6	11.21	105.2	12.06	117.9	13.79	130.7	15.03
	20	66.4	7.49	79.2	9.02	92.0	10.63	98.6	11.44	105.2	12.31	117.9	14.31	130.7	15.91
	21	66.4	7.54	79.2	9.11	92.0	10.73	98.6	11.59	105.2	12.59	117.9	14.76	130.7	16.34
	23	66.4	7.68	79.2	9.25	92.0	11.21	98.6	12.31	105.2	13.45	117.9	15.59	130.7	17.15
	25	66.4	7.96	79.2	9.87	92.0	12.02	98.6	13.17	105.2	14.41	117.9	16.68	130.7	18.33
	27	66.4	8.44	79.2	10.49	92.0	12.83	98.6	14.07	105.2	15.36	117.9	17.73	130.7	19.30
	29	66.4	8.97	79.2	11.21	92.0	13.65	98.6	14.98	105.2	16.41	117.9	18.99	130.7	20.65
	31	66.4	9.54	79.2	11.88	92.0	14.55	98.6	15.98	105.2	17.46	117.9	20.15	130.7	21.68
	33	66.4	10.12	79.2	12.69	92.0	15.50	98.6	17.03	105.2	18.60	117.9	21.23	130.7	22.73
	35	66.4	10.73	79.2	13.45	92.0	16.51	98.6	18.12	105.2	19.85	117.9	22.51	129.3	23.56
	37	66.4	11.35	79.2	14.30	92.0	17.50	98.6	19.27	105.2	21.08	117.9	23.76	127.2	24.63
	39	66.4	11.99	79.2	15.12	92.0	18.72	98.6	20.71	105.2	22.66	117.9	25.11	125.1	25.98
	41	64.7	13.28	77.2	16.76	89.6	20.55	96.1	22.71	102.5	24.90	114.9	27.94	119.9	28.80
	43	63.1	14.61	75.3	18.28	87.4	22.43	93.7	24.75	99.9	27.21	112.0	29.89	114.9	30.83
46	59.2	16.26	70.6	20.59	81.9	25.27	87.8	27.55	93.7	30.70	102.5	32.63	104.9	33.15	
48	52.4	14.20	62.4	18.01	72.4	22.11	77.7	24.07	82.9	26.87	89.0	28.24	91.1	28.54	

# 7. Capacity Tables

Cooling Capacity (44HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	58.1	6.05	69.5	7.19	80.5	8.34	86.2	9.00	92.0	9.62	103.0	10.96	114.4	12.26
	12	58.1	6.14	69.5	7.29	80.5	8.52	86.2	9.14	92.0	9.82	103.0	11.14	114.4	12.49
	14	58.1	6.24	69.5	7.38	80.5	8.67	86.2	9.29	92.0	9.96	103.0	11.38	114.4	12.72
	16	58.1	6.33	69.5	7.53	80.5	8.81	86.2	9.48	92.0	10.14	103.0	11.58	114.4	12.99
	18	58.1	6.43	69.5	7.67	80.5	9.00	86.2	9.66	92.0	10.34	103.0	11.76	114.4	13.22
	20	58.1	6.53	69.5	7.81	80.5	9.14	86.2	9.86	92.0	10.57	103.0	12.05	114.4	13.72
	21	58.1	6.62	69.5	7.86	80.5	9.24	86.2	9.96	92.0	10.67	103.0	12.24	114.4	14.00
	23	58.1	6.72	69.5	8.04	80.5	9.43	86.2	10.28	92.0	11.19	103.0	13.10	114.4	14.79
	25	58.1	6.81	69.5	8.34	80.5	10.05	86.2	11.00	92.0	11.95	103.0	14.00	114.4	15.51
	27	58.1	7.19	69.5	8.91	80.5	10.71	86.2	11.67	92.0	12.77	103.0	14.96	114.4	16.48
	29	58.1	7.67	69.5	9.43	80.5	11.38	86.2	12.43	92.0	13.57	103.0	15.96	114.4	17.65
	31	58.1	8.15	69.5	10.05	80.5	12.15	86.2	13.29	92.0	14.48	103.0	17.01	114.4	18.73
	33	58.1	8.62	69.5	10.62	80.5	12.91	86.2	14.09	92.0	15.39	103.0	18.10	114.4	19.94
	35	58.1	9.09	69.5	11.34	80.5	13.72	86.2	15.00	92.0	16.38	103.0	19.29	114.4	21.15
	37	58.1	9.66	69.5	12.01	80.5	14.57	86.2	15.96	92.0	17.43	103.0	20.53	114.4	22.32
	39	58.1	10.27	69.5	12.81	80.5	15.58	86.2	17.17	92.0	18.84	103.0	21.97	114.4	24.07
	41	56.6	11.35	67.7	14.02	78.5	17.09	84.0	18.82	89.6	20.47	100.3	24.13	111.5	25.96
	43	55.2	12.36	66.0	15.28	76.5	18.65	82.0	20.53	87.4	22.36	97.9	26.36	108.7	28.07
46	51.7	13.73	61.9	17.19	71.7	21.01	76.8	22.87	81.9	25.20	91.7	29.73	101.9	31.28	
48	45.8	11.99	54.8	15.01	63.4	18.36	68.0	19.98	72.4	22.04	81.1	26.02	90.2	27.08	
60	10	49.7	5.23	59.4	6.13	69.1	7.13	73.9	7.65	78.8	8.14	88.4	9.23	98.1	10.32
	12	49.7	5.32	59.4	6.23	69.1	7.23	73.9	7.76	78.8	8.28	88.4	9.37	98.1	10.51
	14	49.7	5.38	59.4	6.33	69.1	7.37	73.9	7.89	78.8	8.42	88.4	9.56	98.1	10.70
	16	49.7	5.47	59.4	6.47	69.1	7.47	73.9	8.03	78.8	8.61	88.4	9.75	98.1	10.89
	18	49.7	5.56	59.4	6.56	69.1	7.61	73.9	8.18	78.8	8.75	88.4	9.89	98.1	11.13
	20	49.7	5.66	59.4	6.65	69.1	7.76	73.9	8.32	78.8	8.89	88.4	10.09	98.1	11.36
	21	49.7	5.70	59.4	6.70	69.1	7.85	73.9	8.42	78.8	8.98	88.4	10.22	98.1	11.46
	23	49.7	5.80	59.4	6.85	69.1	7.94	73.9	8.56	78.8	9.18	88.4	10.61	98.1	12.17
	25	49.7	5.90	59.4	6.99	69.1	8.28	73.9	8.98	78.8	9.75	88.4	11.32	98.1	13.03
	27	49.7	6.09	59.4	7.37	69.1	8.80	73.9	9.56	78.8	10.36	88.4	12.03	98.1	13.89
	29	49.7	6.47	59.4	7.85	69.1	9.37	73.9	10.18	78.8	11.04	88.4	12.84	98.1	14.84
	31	49.7	6.85	59.4	8.32	69.1	9.94	73.9	10.84	78.8	11.74	88.4	13.69	98.1	15.79
	33	49.7	7.23	59.4	8.80	69.1	10.56	73.9	11.51	78.8	12.51	88.4	14.55	98.1	16.83
	35	49.7	7.65	59.4	9.37	69.1	11.22	73.9	12.22	78.8	13.27	88.4	15.50	98.1	17.89
	37	49.7	8.08	59.4	9.89	69.1	11.89	73.9	12.98	78.8	14.07	88.4	16.45	98.1	19.02
	39	49.7	8.60	59.4	10.52	69.1	12.83	73.9	13.93	78.8	15.15	88.4	17.64	98.1	20.38
	41	48.4	9.32	57.9	11.52	67.3	13.94	72.0	15.22	76.8	16.44	86.2	19.36	95.7	22.15
	43	47.3	10.13	56.5	12.54	65.6	15.20	70.2	16.58	74.8	17.94	84.0	21.13	93.3	24.20
46	44.3	11.35	52.9	14.09	61.6	17.08	65.8	18.64	70.2	20.18	78.8	23.82	87.4	27.57	
48	39.2	9.89	46.8	12.29	54.4	14.93	58.3	16.28	62.0	17.64	69.7	20.83	77.3	24.12	
50	10	41.6	4.51	49.7	5.22	57.6	5.94	61.6	6.36	65.6	6.74	73.5	7.60	81.8	8.45
	12	41.6	4.55	49.7	5.27	57.6	6.03	61.6	6.46	65.6	6.88	73.5	7.74	81.8	8.60
	14	41.6	4.61	49.7	5.36	57.6	6.12	61.6	6.55	65.6	6.99	73.5	7.84	81.8	8.74
	16	41.6	4.70	49.7	5.46	57.6	6.22	61.6	6.70	65.6	7.08	73.5	7.98	81.8	8.88
	18	41.6	4.75	49.7	5.51	57.6	6.32	61.6	6.79	65.6	7.22	73.5	8.12	81.8	9.07
	20	41.6	4.80	49.7	5.60	57.6	6.46	61.6	6.88	65.6	7.36	73.5	8.27	81.8	9.26
	21	41.6	4.84	49.7	5.65	57.6	6.50	61.6	6.99	65.6	7.41	73.5	8.36	81.8	9.35
	23	41.6	4.93	49.7	5.74	57.6	6.61	61.6	7.08	65.6	7.55	73.5	8.50	81.8	9.55
	25	41.6	4.99	49.7	5.84	57.6	6.74	61.6	7.22	65.6	7.79	73.5	8.92	81.8	10.21
	27	41.6	5.08	49.7	6.03	57.6	7.12	61.6	7.69	65.6	8.27	73.5	9.55	81.8	10.87
	29	41.6	5.36	49.7	6.41	57.6	7.55	61.6	8.17	65.6	8.78	73.5	10.11	81.8	11.54
	31	41.6	5.65	49.7	6.79	57.6	8.02	61.6	8.65	65.6	9.35	73.5	10.78	81.8	12.30
	33	41.6	5.98	49.7	7.17	57.6	8.50	61.6	9.17	65.6	9.93	73.5	11.45	81.8	13.11
	35	41.6	6.32	49.7	7.60	57.6	8.98	61.6	9.73	65.6	10.49	73.5	12.11	81.8	13.91
	37	41.6	6.70	49.7	8.02	57.6	9.50	61.6	10.31	65.6	11.11	73.5	12.91	81.8	14.77
	39	41.6	7.14	49.7	8.60	57.6	10.17	61.6	11.09	65.6	11.92	73.5	13.76	81.8	15.95
	41	40.5	7.73	48.4	9.32	56.1	11.13	60.0	12.01	63.8	12.92	71.6	15.08	79.7	17.32
	43	39.6	8.40	47.3	10.13	54.8	12.10	58.5	13.08	62.3	14.07	69.8	16.45	77.8	18.89
46	37.0	9.41	44.3	11.36	51.3	13.58	54.8	14.69	58.3	15.79	65.4	18.51	72.9	21.27	
48	32.8	8.20	39.2	9.91	45.4	11.85	48.6	12.82	51.7	13.78	57.9	16.17	64.5	18.60	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN460BTE5

Cooling Capacity (46HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	117.7	13.89	140.3	16.97	150.3	19.68	154.6	20.09	158.9	20.24	166.6	20.41	170.9	20.49
	12	117.7	14.23	140.3	17.57	150.3	20.49	154.6	20.62	158.9	20.79	166.6	20.96	170.9	21.14
	14	117.7	14.70	140.3	18.21	150.3	21.26	154.6	21.41	158.9	21.58	166.6	21.76	170.9	21.95
	16	117.7	15.24	140.3	18.85	150.3	22.22	154.6	22.42	158.9	22.60	166.6	22.80	170.9	22.98
	18	117.7	15.88	140.3	19.94	150.3	23.24	154.6	23.73	158.9	23.92	166.6	24.16	170.9	24.33
	20	117.7	16.58	140.3	21.24	150.3	24.38	154.6	26.11	158.9	26.31	164.2	26.58	168.5	26.76
	21	117.7	17.02	140.3	21.98	150.3	24.89	154.6	27.63	158.9	27.85	163.3	28.12	167.5	28.32
	23	117.7	18.26	140.3	23.13	150.3	26.18	154.6	30.49	156.9	30.74	160.8	31.04	165.2	31.25
	25	117.7	19.50	140.3	24.46	150.3	27.98	152.8	33.81	154.6	34.08	158.9	34.42	163.3	34.66
	27	117.7	20.86	140.3	26.14	148.4	29.82	150.3	37.22	152.8	37.52	156.9	37.90	160.8	38.15
	29	117.7	22.24	140.3	27.95	146.0	32.08	148.1	40.91	150.3	41.16	154.6	41.52	158.9	41.69
	31	117.7	23.73	139.8	29.44	143.6	34.12	146.0	40.73	148.1	40.98	152.2	41.35	156.6	41.52
	33	117.7	25.27	137.4	31.19	141.7	36.60	144.0	40.37	146.0	40.61	150.3	40.97	154.1	41.13
	35	117.7	26.95	134.9	32.66	139.3	39.64	141.7	39.84	144.0	40.07	147.9	40.43	152.2	40.60
	37	117.7	28.74	133.0	34.28	137.4	39.11	139.3	39.31	141.7	39.54	145.5	39.90	149.9	40.05
	39	117.7	30.61	130.7	36.09	134.9	38.60	137.4	38.79	139.3	39.02	143.6	39.37	147.9	39.52
	41	114.8	32.47	125.3	37.89	129.5	38.07	131.5	38.26	134.0	38.49	138.0	38.83	141.8	38.99
	43	111.9	34.24	120.0	37.36	124.2	37.54	126.1	37.73	128.6	37.96	132.6	38.30	136.2	38.45
46	104.9	36.65	109.5	36.58	113.5	36.76	115.2	36.94	117.7	37.17	121.3	37.50	124.7	37.64	
48	92.8	35.62	95.1	35.73	98.7	35.81	100.2	35.91	102.4	36.22	105.6	36.45	108.6	36.59	
120	10	108.9	12.49	129.5	15.32	141.5	18.19	145.8	19.66	150.1	19.98	158.3	20.06	162.2	20.22
	12	108.9	12.83	129.5	15.83	141.5	18.93	145.8	20.08	150.1	20.71	158.3	20.97	162.2	21.13
	14	108.9	13.27	129.5	16.37	141.5	19.69	145.8	20.84	150.1	21.47	158.3	21.79	162.2	21.97
	16	108.9	13.74	129.5	17.04	141.5	20.45	145.8	21.62	150.1	22.47	158.3	22.75	162.2	22.92
	18	108.9	14.29	129.5	17.81	141.5	21.28	145.8	22.76	150.1	23.62	158.3	23.89	162.2	24.08
	20	108.9	14.83	129.5	18.88	141.5	22.41	145.8	23.95	150.1	24.88	158.3	25.20	162.2	25.40
	21	108.9	15.28	129.5	19.56	141.5	23.05	145.8	24.65	150.1	25.69	158.3	26.01	162.2	26.22
	23	108.9	16.34	129.5	20.92	141.5	24.69	145.8	26.20	150.1	27.39	158.3	27.67	162.2	27.89
	25	108.9	17.45	129.5	22.41	141.5	26.05	145.8	27.93	150.1	29.37	156.4	29.61	160.2	29.85
	27	108.9	18.63	129.5	23.97	141.5	27.72	145.8	29.84	150.1	31.57	153.9	31.78	157.9	32.04
	29	108.9	19.87	129.5	25.58	141.5	29.17	145.8	31.93	147.7	33.64	151.6	34.15	155.9	34.42
	31	108.9	21.18	129.5	27.33	141.5	30.68	143.9	34.21	145.8	36.09	149.7	36.73	153.5	37.02
	33	108.9	22.54	129.5	29.12	139.6	32.45	141.5	37.13	143.4	38.75	147.2	39.18	151.1	39.50
	35	108.9	23.97	129.5	31.05	137.2	34.34	139.1	40.91	141.5	41.11	145.3	41.24	149.1	41.56
	37	108.9	25.78	129.5	32.76	135.3	36.62	137.2	40.05	139.1	40.24	143.0	40.37	146.8	40.69
	39	108.9	27.76	129.0	34.63	132.9	38.84	134.8	39.22	136.7	39.43	141.1	39.54	144.9	39.86
	41	106.2	29.73	123.4	36.49	127.6	38.07	129.4	38.41	131.3	38.60	135.1	38.71	138.9	39.02
	43	103.5	31.74	118.2	35.98	122.3	37.22	124.0	37.58	125.9	37.77	129.6	37.88	133.4	38.18
46	97.0	34.12	107.8	35.11	111.7	36.05	113.3	36.34	115.0	36.53	118.6	36.64	122.1	36.92	
48	85.8	33.43	93.6	34.49	97.1	35.34	98.5	35.56	100.1	35.68	103.1	35.81	106.2	35.96	
110	10	99.7	11.23	118.8	13.70	132.7	16.26	136.5	17.60	145.1	18.94	148.5	19.47	158.5	19.79
	12	99.7	11.59	118.8	14.15	132.7	16.94	136.5	18.10	145.1	19.66	148.5	20.29	158.5	20.76
	14	99.7	11.95	118.8	14.79	132.7	17.70	136.5	19.00	145.1	20.65	148.5	21.24	158.5	21.68
	16	99.7	12.37	118.8	15.33	132.7	18.44	136.5	19.83	145.1	21.60	148.5	22.19	158.5	22.58
	18	99.7	12.83	118.8	15.97	132.7	19.50	136.5	20.88	145.1	22.79	148.5	23.24	158.5	23.67
	20	99.7	13.29	118.8	16.77	132.7	20.68	136.5	21.84	145.1	23.89	148.5	24.48	158.5	24.88
	21	99.7	13.59	118.8	17.26	132.7	21.21	136.5	22.43	145.1	24.56	148.5	25.18	158.5	25.57
	23	99.7	14.47	118.8	18.51	132.7	22.39	136.5	23.67	145.1	25.94	148.5	26.50	158.5	26.93
	25	99.7	15.46	118.8	19.75	132.7	23.66	136.5	25.03	145.1	27.41	148.5	27.80	156.6	28.37
	27	99.7	16.51	118.8	21.11	132.7	25.00	136.5	26.48	145.1	28.63	148.5	29.28	154.3	29.78
	29	99.7	17.64	118.8	22.54	132.7	26.42	136.5	28.05	145.1	30.25	148.5	30.78	152.4	31.23
	31	99.7	18.75	118.8	24.03	132.7	27.92	136.5	29.72	142.8	31.79	146.6	32.41	149.9	32.75
	33	99.7	20.00	118.8	25.58	132.7	29.50	136.5	31.49	140.8	33.57	144.2	34.13	148.0	34.32
	35	99.7	21.24	118.8	27.33	132.7	31.15	136.5	33.38	138.4	35.43	141.8	35.75	145.7	35.93
	37	99.7	22.51	118.8	29.00	132.7	32.89	134.6	35.36	136.1	37.36	139.9	37.49	143.2	37.60
	39	99.7	24.27	118.8	30.82	130.3	34.70	132.2	37.82	134.2	39.22	137.5	39.28	141.3	39.32
	41	97.1	26.03	115.8	32.63	124.7	36.59	126.7	40.91	128.3	40.91	132.1	41.24	135.3	41.56
	43	94.7	27.33	112.9	34.00	119.6	38.81	121.5	39.24	123.1	39.16	126.7	39.37	129.9	39.49
46	88.7	26.67	105.8	32.82	109.1	36.83	111.0	36.83	112.4	37.15	115.8	37.35	118.8	37.45	
48	78.5	25.90	92.0	31.62	94.7	35.04	96.4	35.27	97.7	35.45	100.8	35.54	103.4	35.68	

# 7. Capacity Tables

Cooling Capacity (46HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	87.0	10.12	103.5	12.29	120.5	14.59	128.8	15.76	137.1	16.94	152.0	18.85	155.3	19.00
	12	87.0	10.44	103.5	12.80	120.5	15.08	128.8	16.19	137.1	17.47	152.0	19.86	155.3	20.06
	14	87.0	10.76	103.5	13.31	120.5	15.72	128.8	16.89	137.1	18.23	152.0	20.98	155.3	21.17
	16	87.0	11.10	103.5	13.75	120.5	16.38	128.8	17.68	137.1	19.21	152.0	21.99	155.3	22.30
	18	87.0	11.42	103.5	14.26	120.5	17.02	128.8	18.55	137.1	20.37	152.0	23.24	155.3	23.42
	20	87.0	11.83	103.5	14.80	120.5	18.01	128.8	19.87	137.1	21.80	152.0	24.35	155.3	24.54
	21	87.0	12.08	103.5	15.15	120.5	18.63	128.8	20.56	137.1	22.60	152.0	24.90	155.3	25.10
	23	87.0	12.80	103.5	16.21	120.5	20.00	128.8	22.05	137.1	24.22	152.0	26.07	155.3	26.29
	25	87.0	13.60	103.5	17.26	120.5	21.36	128.8	23.60	137.1	25.90	152.0	27.18	154.1	27.40
	27	87.0	14.53	103.5	18.45	120.5	22.86	128.8	25.22	137.1	27.53	149.1	28.46	152.2	28.69
	29	87.0	15.46	103.5	19.68	120.5	24.41	128.8	26.95	137.1	29.14	146.2	29.61	149.9	29.85
	31	87.0	16.51	103.5	20.99	120.5	26.02	128.8	28.76	137.1	30.62	144.1	30.76	147.6	31.00
	33	87.0	17.51	103.5	22.35	120.5	27.76	128.8	30.68	137.1	31.77	141.8	31.91	145.3	32.16
	35	87.0	18.63	103.5	23.78	120.5	29.56	128.8	32.72	135.0	32.92	139.2	33.05	142.8	33.32
	37	87.0	19.96	103.5	25.52	120.5	31.31	128.8	34.28	132.8	34.45	136.6	34.59	139.9	34.91
	39	87.0	21.39	103.5	27.40	120.5	33.18	128.8	35.96	130.5	36.12	134.4	36.26	137.6	36.60
	41	85.5	22.83	101.8	29.29	118.6	35.05	123.6	37.64	126.3	37.79	129.2	37.92	133.4	38.28
	43	82.6	24.16	98.3	31.06	114.6	36.73	118.5	39.07	119.8	39.22	123.6	39.34	126.8	39.71
46	77.4	25.99	92.2	33.48	107.3	38.95	108.1	40.91	109.4	41.03	112.9	41.15	115.9	41.54	
48	68.5	22.44	81.5	28.97	92.6	33.30	94.1	34.71	95.0	34.83	98.1	34.90	100.8	35.18	
90	10	78.2	8.79	93.4	10.57	108.5	12.46	115.9	13.42	123.3	14.46	138.4	16.18	153.7	18.00
	12	78.2	8.90	93.4	10.73	108.5	12.67	115.9	13.70	123.3	14.78	138.4	16.50	153.7	18.31
	14	78.2	9.06	93.4	10.95	108.5	12.95	115.9	13.97	123.3	15.04	138.4	16.82	153.7	18.68
	16	78.2	9.22	93.4	11.16	108.5	13.21	115.9	14.23	123.3	15.32	138.4	17.14	153.7	19.00
	18	78.2	9.39	93.4	11.38	108.5	13.42	115.9	14.57	123.3	15.64	138.4	17.51	153.7	19.96
	20	78.2	9.54	93.4	11.59	108.5	13.70	115.9	14.83	123.3	16.23	138.4	18.74	153.7	20.91
	21	78.2	9.65	93.4	11.70	108.5	13.97	115.9	15.32	123.3	16.83	138.4	19.04	153.7	21.39
	23	78.2	9.87	93.4	12.19	108.5	14.94	115.9	16.45	123.3	18.02	138.4	20.20	151.6	22.40
	25	78.2	10.35	93.4	13.00	108.5	15.97	115.9	17.58	123.3	19.25	138.4	21.60	149.3	23.35
	27	78.2	11.06	93.4	13.86	108.5	17.04	115.9	18.77	123.3	20.60	138.4	22.96	147.2	24.45
	29	78.2	11.70	93.4	14.78	108.5	18.23	115.9	20.06	123.3	22.00	138.4	24.32	144.9	25.43
	31	78.2	12.46	93.4	15.75	108.5	19.42	115.9	21.36	123.3	23.46	138.4	25.54	142.8	26.42
	33	78.2	13.27	93.4	16.77	108.5	20.71	115.9	22.76	123.3	24.88	138.4	26.77	140.5	27.41
	35	78.2	14.08	93.4	17.80	108.5	22.00	115.9	24.27	123.3	26.39	136.1	28.31	138.4	28.96
	37	78.2	14.94	93.4	18.93	108.5	23.47	115.9	25.78	123.3	27.86	133.9	29.59	136.2	30.25
	39	78.2	15.82	93.4	20.13	108.5	24.83	115.9	27.44	123.3	29.29	131.7	31.20	134.0	31.57
	41	76.2	17.70	91.0	22.32	105.8	27.26	112.9	30.01	120.2	31.63	126.2	32.88	128.4	33.63
	43	74.3	19.11	88.7	24.13	103.1	29.78	110.2	32.31	117.1	33.91	121.0	35.21	123.2	35.63
46	69.6	21.51	83.2	27.47	96.6	33.93	103.3	36.64	106.4	37.68	110.4	38.64	112.5	38.70	
48	61.6	18.79	73.6	24.03	85.5	29.68	91.3	31.96	92.4	32.46	96.0	33.27	97.8	33.31	
80	10	69.4	7.33	82.8	8.80	96.2	10.33	103.1	11.15	110.0	11.96	123.3	13.64	136.6	14.81
	12	69.4	7.48	82.8	8.91	96.2	10.54	103.1	11.35	110.0	12.17	123.3	13.89	136.6	15.11
	14	69.4	7.58	82.8	9.12	96.2	10.69	103.1	11.55	110.0	12.37	123.3	14.15	136.6	15.40
	16	69.4	7.69	82.8	9.27	96.2	10.89	103.1	11.76	110.0	12.62	123.3	14.45	136.6	15.69
	18	69.4	7.84	82.8	9.42	96.2	11.10	103.1	11.96	110.0	12.87	123.3	14.71	136.6	16.03
	20	69.4	7.99	82.8	9.63	96.2	11.35	103.1	12.21	110.0	13.13	123.3	15.27	136.6	16.98
	21	69.4	8.04	82.8	9.72	96.2	11.46	103.1	12.37	110.0	13.44	123.3	15.75	136.6	17.43
	23	69.4	8.20	82.8	9.87	96.2	11.96	103.1	13.13	110.0	14.36	123.3	16.64	136.6	18.30
	25	69.4	8.50	82.8	10.54	96.2	12.83	103.1	14.05	110.0	15.37	123.3	17.80	136.6	19.56
	27	69.4	9.01	82.8	11.20	96.2	13.70	103.1	15.02	110.0	16.39	123.3	18.92	136.6	20.59
	29	69.4	9.57	82.8	11.96	96.2	14.56	103.1	15.98	110.0	17.51	123.3	20.26	136.6	22.03
	31	69.4	10.18	82.8	12.68	96.2	15.53	103.1	17.05	110.0	18.63	123.3	21.50	136.6	23.14
	33	69.4	10.79	82.8	13.54	96.2	16.54	103.1	18.17	110.0	19.85	123.3	22.65	136.6	24.26
	35	69.4	11.46	82.8	14.36	96.2	17.62	103.1	19.34	110.0	21.18	123.3	24.03	135.1	25.14
	37	69.4	12.12	82.8	15.26	96.2	18.68	103.1	20.56	110.0	22.50	123.3	25.36	133.0	26.29
	39	69.4	12.80	82.8	16.13	96.2	19.98	103.1	22.11	110.0	24.18	123.3	26.79	130.8	27.72
	41	67.7	14.17	80.7	17.88	93.7	21.93	100.4	24.23	107.1	26.57	120.2	29.81	125.3	30.73
	43	66.0	15.59	78.7	19.51	91.4	23.94	97.9	26.42	104.5	29.04	117.1	31.90	120.2	32.90
46	61.9	17.35	73.8	21.97	85.6	26.97	91.8	29.40	97.9	32.77	107.1	34.82	109.6	35.37	
48	54.8	15.15	65.2	19.22	75.7	23.59	81.2	25.68	86.6	28.68	93.0	30.14	95.3	30.45	

# 7. Capacity Tables

Cooling Capacity (46HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	60.7	6.41	72.7	7.61	84.2	8.83	90.1	9.53	96.2	10.19	107.7	11.60	119.6	12.98
	12	60.7	6.50	72.7	7.72	84.2	9.03	90.1	9.68	96.2	10.39	107.7	11.80	119.6	13.22
	14	60.7	6.61	72.7	7.82	84.2	9.18	90.1	9.83	96.2	10.55	107.7	12.06	119.6	13.47
	16	60.7	6.71	72.7	7.97	84.2	9.33	90.1	10.04	96.2	10.74	107.7	12.26	119.6	13.75
	18	60.7	6.80	72.7	8.12	84.2	9.53	90.1	10.23	96.2	10.95	107.7	12.46	119.6	14.00
	20	60.7	6.91	72.7	8.27	84.2	9.68	90.1	10.44	96.2	11.19	107.7	12.76	119.6	14.53
	21	60.7	7.01	72.7	8.32	84.2	9.78	90.1	10.55	96.2	11.30	107.7	12.96	119.6	14.83
	23	60.7	7.12	72.7	8.52	84.2	9.99	90.1	10.89	96.2	11.85	107.7	13.87	119.6	15.66
	25	60.7	7.21	72.7	8.83	84.2	10.64	90.1	11.65	96.2	12.66	107.7	14.83	119.6	16.43
	27	60.7	7.61	72.7	9.44	84.2	11.34	90.1	12.36	96.2	13.52	107.7	15.84	119.6	17.45
	29	60.7	8.12	72.7	9.99	84.2	12.06	90.1	13.17	96.2	14.37	107.7	16.90	119.6	18.69
	31	60.7	8.63	72.7	10.64	84.2	12.86	90.1	14.07	96.2	15.33	107.7	18.01	119.6	19.84
	33	60.7	9.13	72.7	11.25	84.2	13.67	90.1	14.92	96.2	16.29	107.7	19.16	119.6	21.12
	35	60.7	9.63	72.7	12.00	84.2	14.53	90.1	15.88	96.2	17.35	107.7	20.42	119.6	22.40
	37	60.7	10.23	72.7	12.72	84.2	15.43	90.1	16.90	96.2	18.46	107.7	21.74	119.6	23.64
	39	60.7	10.87	72.7	13.56	84.2	16.50	90.1	18.18	96.2	19.95	107.7	23.27	119.6	25.49
	41	59.2	12.02	70.8	14.85	82.0	18.10	87.8	19.94	93.7	21.68	104.9	25.55	116.5	27.49
43	57.7	13.09	69.0	16.18	80.0	19.75	85.7	21.74	91.4	23.68	102.3	27.92	113.7	29.72	
46	54.1	14.54	64.8	18.20	75.0	22.25	80.3	24.22	85.6	26.69	95.8	31.48	106.5	33.12	
48	47.9	12.69	57.3	15.90	66.3	19.44	71.1	21.16	75.7	23.34	84.8	27.56	94.3	28.67	
60	10	52.0	5.50	62.1	6.44	72.2	7.50	77.3	8.04	82.4	8.55	92.4	9.70	102.6	10.85
	12	52.0	5.60	62.1	6.55	72.2	7.59	77.3	8.15	82.4	8.70	92.4	9.85	102.6	11.04
	14	52.0	5.65	62.1	6.65	72.2	7.74	77.3	8.29	82.4	8.85	92.4	10.04	102.6	11.24
	16	52.0	5.75	62.1	6.80	72.2	7.85	77.3	8.44	82.4	9.04	92.4	10.25	102.6	11.45
	18	52.0	5.84	62.1	6.89	72.2	8.00	77.3	8.59	82.4	9.19	92.4	10.40	102.6	11.69
	20	52.0	5.95	62.1	6.99	72.2	8.15	77.3	8.74	82.4	9.34	92.4	10.60	102.6	11.94
	21	52.0	5.99	62.1	7.04	72.2	8.25	77.3	8.85	82.4	9.44	92.4	10.74	102.6	12.04
	23	52.0	6.10	62.1	7.20	72.2	8.34	77.3	9.00	82.4	9.64	92.4	11.15	102.6	12.79
	25	52.0	6.20	62.1	7.35	72.2	8.70	77.3	9.44	82.4	10.25	92.4	11.90	102.6	13.69
	27	52.0	6.40	62.1	7.74	72.2	9.25	77.3	10.04	82.4	10.89	92.4	12.64	102.6	14.59
	29	52.0	6.80	62.1	8.25	72.2	9.85	77.3	10.70	82.4	11.60	92.4	13.49	102.6	15.59
	31	52.0	7.20	62.1	8.74	72.2	10.45	77.3	11.39	82.4	12.34	92.4	14.39	102.6	16.59
	33	52.0	7.59	62.1	9.25	72.2	11.09	77.3	12.09	82.4	13.14	92.4	15.29	102.6	17.69
	35	52.0	8.04	62.1	9.85	72.2	11.79	77.3	12.84	82.4	13.94	92.4	16.29	102.6	18.79
	37	52.0	8.49	62.1	10.39	72.2	12.49	77.3	13.64	82.4	14.79	92.4	17.29	102.6	19.99
	39	52.0	9.04	62.1	11.06	72.2	13.48	77.3	14.64	82.4	15.92	92.4	18.54	102.6	21.42
	41	50.6	9.80	60.5	12.11	70.4	14.65	75.3	15.99	80.3	17.27	90.1	20.34	100.0	23.28
43	49.4	10.64	59.0	13.18	68.6	15.97	73.4	17.42	78.2	18.85	87.8	22.21	97.5	25.43	
46	46.3	11.92	55.4	14.80	64.4	17.95	68.8	19.59	73.4	21.20	82.4	25.03	91.4	28.97	
48	41.0	10.39	48.9	12.92	56.9	15.69	60.9	17.10	64.8	18.53	72.8	21.89	80.9	25.35	
50	10	43.5	4.71	52.0	5.44	60.2	6.19	64.4	6.63	68.6	7.03	76.8	7.92	85.5	8.81
	12	43.5	4.75	52.0	5.50	60.2	6.29	64.4	6.74	68.6	7.18	76.8	8.07	85.5	8.96
	14	43.5	4.80	52.0	5.59	60.2	6.38	64.4	6.83	68.6	7.28	76.8	8.17	85.5	9.11
	16	43.5	4.90	52.0	5.69	60.2	6.48	64.4	6.98	68.6	7.38	76.8	8.32	85.5	9.26
	18	43.5	4.95	52.0	5.74	60.2	6.59	64.4	7.08	68.6	7.53	76.8	8.47	85.5	9.45
	20	43.5	5.00	52.0	5.84	60.2	6.74	64.4	7.18	68.6	7.68	76.8	8.62	85.5	9.66
	21	43.5	5.05	52.0	5.89	60.2	6.78	64.4	7.28	68.6	7.72	76.8	8.72	85.5	9.75
	23	43.5	5.14	52.0	5.99	60.2	6.89	64.4	7.38	68.6	7.87	76.8	8.87	85.5	9.96
	25	43.5	5.20	52.0	6.09	60.2	7.03	64.4	7.53	68.6	8.12	76.8	9.30	85.5	10.64
	27	43.5	5.29	52.0	6.29	60.2	7.42	64.4	8.02	68.6	8.62	76.8	9.96	85.5	11.34
	29	43.5	5.59	52.0	6.68	60.2	7.87	64.4	8.51	68.6	9.15	76.8	10.54	85.5	12.03
	31	43.5	5.89	52.0	7.08	60.2	8.36	64.4	9.01	68.6	9.75	76.8	11.24	85.5	12.82
	33	43.5	6.23	52.0	7.48	60.2	8.87	64.4	9.56	68.6	10.35	76.8	11.93	85.5	13.67
	35	43.5	6.59	52.0	7.92	60.2	9.36	64.4	10.15	68.6	10.94	76.8	12.63	85.5	14.50
	37	43.5	6.98	52.0	8.36	60.2	9.90	64.4	10.75	68.6	11.58	76.8	13.46	85.5	15.40
	39	43.5	7.44	52.0	8.97	60.2	10.60	64.4	11.56	68.6	12.43	76.8	14.35	85.5	16.63
	41	42.4	8.06	50.6	9.71	58.7	11.60	62.7	12.52	66.7	13.47	74.9	15.72	83.4	18.06
43	41.4	8.75	49.4	10.56	57.3	12.62	61.2	13.63	65.2	14.67	73.0	17.15	81.3	19.70	
46	38.7	9.81	46.3	11.84	53.7	14.16	57.3	15.31	61.0	16.46	68.4	19.30	76.2	22.18	
48	34.3	8.54	41.0	10.33	47.5	12.35	50.8	13.37	54.0	14.37	60.5	16.85	67.4	19.39	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN480BTE5

Cooling Capacity (48HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	122.8	14.74	146.4	18.00	156.8	20.88	161.4	21.32	165.8	21.48	173.8	21.66	178.4	21.74
	12	122.8	15.10	146.4	18.64	156.8	21.74	161.4	21.88	165.8	22.06	173.8	22.24	178.4	22.44
	14	122.8	15.60	146.4	19.32	156.8	22.56	161.4	22.72	165.8	22.90	173.8	23.10	178.4	23.30
	16	122.8	16.18	146.4	20.00	156.8	23.58	161.4	23.80	165.8	23.98	173.8	24.20	178.4	24.38
	18	122.8	16.86	146.4	21.16	156.8	24.66	161.4	25.18	165.8	25.38	173.8	25.64	178.4	25.82
	20	122.8	17.60	146.4	22.54	156.8	25.88	161.4	27.70	165.8	27.92	171.4	28.20	175.8	28.40
	21	122.8	18.06	146.4	23.32	156.8	26.42	161.4	29.32	165.8	29.56	170.4	29.84	174.8	30.06
	23	122.8	19.38	146.4	24.54	156.8	27.78	161.4	32.36	163.8	32.62	167.8	32.94	172.4	33.16
	25	122.8	20.70	146.4	25.96	156.8	29.70	159.4	35.88	161.4	36.16	165.8	36.52	170.4	36.78
	27	122.8	22.14	146.4	27.74	154.8	31.64	156.8	39.50	159.4	39.82	163.8	40.22	167.8	40.48
	29	122.8	23.60	146.4	29.66	152.4	34.04	154.6	43.42	156.8	43.68	161.4	44.06	165.8	44.24
	31	122.8	25.18	145.8	31.24	149.8	36.20	152.4	43.22	154.6	43.48	158.8	43.88	163.4	44.06
	33	122.8	26.82	143.4	33.10	147.8	38.84	150.2	42.84	152.4	43.10	156.8	43.48	160.8	43.64
	35	122.8	28.60	140.8	34.66	145.4	42.06	147.8	42.28	150.2	42.52	154.4	42.90	158.8	43.08
	37	122.8	30.50	138.8	36.38	143.4	41.50	145.4	41.72	147.8	41.96	151.8	42.34	156.4	42.50
	39	122.8	32.48	136.4	38.30	140.8	40.96	143.4	41.16	145.4	41.40	149.8	41.78	154.4	41.94
	41	119.8	34.46	130.8	40.20	135.2	40.40	137.2	40.60	139.8	40.84	144.0	41.20	148.0	41.38
	43	116.8	36.34	125.2	39.64	129.6	39.84	131.6	40.04	134.2	40.28	138.4	40.64	142.2	40.80
46	109.4	38.90	114.2	38.82	118.4	39.00	120.2	39.20	122.8	39.44	126.6	39.80	130.2	39.94	
48	96.8	37.80	99.2	37.92	103.0	38.00	104.6	38.10	106.8	38.44	110.2	38.68	113.4	38.82	
120	10	113.6	13.26	135.2	16.26	147.6	19.30	152.2	20.86	156.6	21.20	165.2	21.28	169.2	21.46
	12	113.6	13.62	135.2	16.80	147.6	20.08	152.2	21.30	156.6	21.98	165.2	22.26	169.2	22.42
	14	113.6	14.08	135.2	17.38	147.6	20.90	152.2	22.12	156.6	22.78	165.2	23.12	169.2	23.32
	16	113.6	14.58	135.2	18.08	147.6	21.70	152.2	22.94	156.6	23.84	165.2	24.14	169.2	24.32
	18	113.6	15.16	135.2	18.90	147.6	22.58	152.2	24.16	156.6	25.06	165.2	25.36	169.2	25.56
	20	113.6	15.74	135.2	20.04	147.6	23.78	152.2	25.42	156.6	26.40	165.2	26.74	169.2	26.96
	21	113.6	16.22	135.2	20.76	147.6	24.46	152.2	26.16	156.6	27.26	165.2	27.60	169.2	27.82
	23	113.6	17.34	135.2	22.20	147.6	26.20	152.2	27.80	156.6	29.06	165.2	29.36	169.2	29.60
	25	113.6	18.52	135.2	23.78	147.6	27.64	152.2	29.64	156.6	31.16	163.2	31.42	167.2	31.68
	27	113.6	19.76	135.2	25.44	147.6	29.42	152.2	31.66	156.6	33.50	160.6	33.72	164.8	34.00
	29	113.6	21.08	135.2	27.14	147.6	30.96	152.2	33.88	154.2	35.70	158.2	36.24	162.6	36.52
	31	113.6	22.48	135.2	29.00	147.6	32.56	150.2	36.30	152.2	38.30	156.2	38.98	160.2	39.28
	33	113.6	23.92	135.2	30.90	145.6	34.44	147.6	39.40	149.6	41.12	153.6	41.58	157.6	41.92
	35	113.6	25.44	135.2	32.94	143.2	36.44	145.2	43.42	147.6	43.62	151.6	43.76	155.6	44.10
	37	113.6	27.36	135.2	34.76	141.2	38.86	143.2	42.50	145.2	42.70	149.2	42.84	153.2	43.18
	39	113.6	29.46	134.6	36.74	138.6	41.22	140.6	41.62	142.6	41.84	147.2	41.96	151.2	42.30
	41	110.8	31.54	128.8	38.72	133.2	40.40	135.0	40.76	137.0	40.96	141.0	41.08	145.0	41.40
	43	108.0	33.68	123.4	38.18	127.6	39.50	129.4	39.88	131.4	40.08	135.2	40.20	139.2	40.52
46	101.2	36.20	112.4	37.26	116.6	38.26	118.2	38.56	120.0	38.76	123.8	38.88	127.4	39.18	
48	89.6	35.48	97.6	36.60	101.4	37.50	102.8	37.74	104.4	37.86	107.6	38.00	110.8	38.16	
110	10	104.0	11.92	124.0	14.54	138.4	17.26	142.4	18.68	151.4	20.10	155.0	20.66	165.4	21.00
	12	104.0	12.30	124.0	15.02	138.4	17.98	142.4	19.20	151.4	20.86	155.0	21.54	165.4	22.02
	14	104.0	12.68	124.0	15.70	138.4	18.78	142.4	20.16	151.4	21.92	155.0	22.54	165.4	23.00
	16	104.0	13.12	124.0	16.26	138.4	19.56	142.4	21.04	151.4	22.92	155.0	23.54	165.4	23.96
	18	104.0	13.62	124.0	16.94	138.4	20.70	142.4	22.16	151.4	24.18	155.0	24.66	165.4	25.12
	20	104.0	14.10	124.0	17.80	138.4	21.94	142.4	23.18	151.4	25.36	155.0	25.98	165.4	26.40
	21	104.0	14.42	124.0	18.32	138.4	22.50	142.4	23.80	151.4	26.06	155.0	26.72	165.4	27.14
	23	104.0	15.36	124.0	19.64	138.4	23.76	142.4	25.12	151.4	27.52	155.0	28.12	165.4	28.58
	25	104.0	16.40	124.0	20.96	138.4	25.10	142.4	26.56	151.4	29.08	155.0	29.50	163.4	30.10
	27	104.0	17.52	124.0	22.40	138.4	26.52	142.4	28.10	151.4	30.38	155.0	31.08	161.0	31.60
	29	104.0	18.72	124.0	23.92	138.4	28.04	142.4	29.76	151.4	32.10	155.0	32.66	159.0	33.14
	31	104.0	19.90	124.0	25.50	138.4	29.62	142.4	31.54	149.0	33.74	153.0	34.40	156.4	34.76
	33	104.0	21.22	124.0	27.14	138.4	31.30	142.4	33.42	147.0	35.62	150.4	36.22	154.4	36.42
	35	104.0	22.54	124.0	29.00	138.4	33.06	142.4	35.42	144.4	37.60	148.0	37.94	152.0	38.12
	37	104.0	23.88	124.0	30.78	138.4	34.90	140.4	37.52	142.0	39.64	146.0	39.78	149.4	39.90
	39	104.0	25.76	124.0	32.70	136.0	36.82	138.0	40.14	140.0	41.62	143.4	41.68	147.4	41.72
	41	101.4	27.62	120.8	34.62	130.2	38.82	132.2	43.42	133.8	43.42	137.8	43.76	141.2	44.10
	43	98.8	29.00	117.8	36.08	124.8	41.18	126.8	41.64	128.4	41.56	132.2	41.78	135.6	41.90
46	92.6	28.30	110.4	34.82	113.8	39.08	115.8	39.08	117.2	39.42	120.8	39.64	124.0	39.74	
48	82.0	27.48	96.0	33.56	98.8	37.18	100.6	37.42	102.0	37.62	105.2	37.72	107.8	37.86	

# 7. Capacity Tables

Cooling Capacity (48HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	90.8	10.74	108.0	13.04	125.8	15.48	134.4	16.72	143.0	17.98	158.6	20.00	162.0	20.16
	12	90.8	11.08	108.0	13.58	125.8	16.00	134.4	17.18	143.0	18.54	158.6	21.08	162.0	21.28
	14	90.8	11.42	108.0	14.12	125.8	16.68	134.4	17.92	143.0	19.34	158.6	22.26	162.0	22.46
	16	90.8	11.78	108.0	14.60	125.8	17.38	134.4	18.76	143.0	20.38	158.6	23.34	162.0	23.66
	18	90.8	12.12	108.0	15.14	125.8	18.06	134.4	19.68	143.0	21.62	158.6	24.66	162.0	24.86
	20	90.8	12.56	108.0	15.70	125.8	19.12	134.4	21.08	143.0	23.14	158.6	25.84	162.0	26.04
	21	90.8	12.82	108.0	16.08	125.8	19.76	134.4	21.82	143.0	23.98	158.6	26.42	162.0	26.64
	23	90.8	13.58	108.0	17.20	125.8	21.22	134.4	23.40	143.0	25.70	158.6	27.66	162.0	27.90
	25	90.8	14.44	108.0	18.32	125.8	22.66	134.4	25.04	143.0	27.48	158.6	28.84	160.8	29.08
	27	90.8	15.42	108.0	19.58	125.8	24.26	134.4	26.76	143.0	29.22	155.6	30.20	158.8	30.44
	29	90.8	16.40	108.0	20.88	125.8	25.90	134.4	28.60	143.0	30.92	152.6	31.42	156.4	31.68
	31	90.8	17.52	108.0	22.28	125.8	27.62	134.4	30.52	143.0	32.50	150.4	32.64	154.0	32.90
	33	90.8	18.58	108.0	23.72	125.8	29.46	134.4	32.56	143.0	33.72	148.0	33.86	151.6	34.12
	35	90.8	19.76	108.0	25.24	125.8	31.36	134.4	34.72	140.8	34.94	145.2	35.08	149.0	35.36
	37	90.8	21.18	108.0	27.08	125.8	33.22	134.4	36.38	138.6	36.56	142.6	36.70	146.0	37.04
	39	90.8	22.70	108.0	29.08	125.8	35.20	134.4	38.16	136.2	38.32	140.2	38.48	143.6	38.84
	41	89.2	24.22	106.2	31.08	123.8	37.20	129.0	39.94	131.8	40.10	134.8	40.24	139.2	40.62
	43	86.2	25.64	102.6	32.96	119.6	38.98	123.6	41.46	125.0	41.62	129.0	41.74	132.4	42.14
46	80.8	27.58	96.2	35.52	112.0	41.34	112.8	43.42	114.2	43.54	117.8	43.66	121.0	44.08	
48	71.4	23.82	85.0	30.74	96.6	35.34	98.2	36.84	99.2	36.96	102.4	37.04	105.2	37.34	
90	10	81.6	9.32	97.4	11.22	113.2	13.22	121.0	14.24	128.6	15.34	144.4	17.16	160.4	19.10
	12	81.6	9.44	97.4	11.38	113.2	13.44	121.0	14.54	128.6	15.68	144.4	17.50	160.4	19.42
	14	81.6	9.62	97.4	11.62	113.2	13.74	121.0	14.82	128.6	15.96	144.4	17.84	160.4	19.82
	16	81.6	9.78	97.4	11.84	113.2	14.02	121.0	15.10	128.6	16.26	144.4	18.18	160.4	20.16
	18	81.6	9.96	97.4	12.08	113.2	14.24	121.0	15.46	128.6	16.60	144.4	18.58	160.4	21.18
	20	81.6	10.12	97.4	12.30	113.2	14.54	121.0	15.74	128.6	17.22	144.4	19.88	160.4	22.18
	21	81.6	10.24	97.4	12.42	113.2	14.82	121.0	16.26	128.6	17.86	144.4	20.20	160.4	22.70
	23	81.6	10.48	97.4	12.94	113.2	15.86	121.0	17.46	128.6	19.12	144.4	21.44	158.2	23.76
	25	81.6	10.98	97.4	13.80	113.2	16.94	121.0	18.66	128.6	20.42	144.4	22.92	155.8	24.78
	27	81.6	11.74	97.4	14.70	113.2	18.08	121.0	19.92	128.6	21.86	144.4	24.36	153.6	25.94
	29	81.6	12.42	97.4	15.68	113.2	19.34	121.0	21.28	128.6	23.34	144.4	25.80	151.2	26.98
	31	81.6	13.22	97.4	16.72	113.2	20.60	121.0	22.66	128.6	24.90	144.4	27.10	149.0	28.04
	33	81.6	14.08	97.4	17.80	113.2	21.98	121.0	24.14	128.6	26.40	144.4	28.40	146.6	29.08
	35	81.6	14.94	97.4	18.88	113.2	23.34	121.0	25.76	128.6	28.00	142.0	30.04	144.4	30.72
	37	81.6	15.86	97.4	20.08	113.2	24.90	121.0	27.36	128.6	29.56	139.8	31.40	142.2	32.10
	39	81.6	16.78	97.4	21.36	113.2	26.34	121.0	29.12	128.6	31.08	137.4	33.10	139.8	33.50
	41	79.6	18.78	95.0	23.68	110.4	28.92	117.8	31.84	125.4	33.56	131.6	34.88	134.0	35.68
	43	77.6	20.28	92.6	25.60	107.6	31.60	115.0	34.28	122.2	35.98	126.2	37.36	128.6	37.80
46	72.6	22.82	86.8	29.14	100.8	36.00	107.8	38.88	111.0	39.98	115.2	41.00	117.4	41.06	
48	64.2	19.94	76.8	25.50	89.2	31.50	95.2	33.92	96.4	34.44	100.2	35.30	102.0	35.34	
80	10	72.4	7.78	86.4	9.34	100.4	10.96	107.6	11.84	114.8	12.70	128.6	14.48	142.6	15.72
	12	72.4	7.94	86.4	9.46	100.4	11.18	107.6	12.04	114.8	12.92	128.6	14.74	142.6	16.04
	14	72.4	8.04	86.4	9.68	100.4	11.34	107.6	12.26	114.8	13.12	128.6	15.02	142.6	16.34
	16	72.4	8.16	86.4	9.84	100.4	11.56	107.6	12.48	114.8	13.40	128.6	15.34	142.6	16.66
	18	72.4	8.32	86.4	10.00	100.4	11.78	107.6	12.70	114.8	13.66	128.6	15.62	142.6	17.02
	20	72.4	8.48	86.4	10.22	100.4	12.04	107.6	12.96	114.8	13.94	128.6	16.20	142.6	18.02
	21	72.4	8.54	86.4	10.32	100.4	12.16	107.6	13.12	114.8	14.26	128.6	16.72	142.6	18.50
	23	72.4	8.70	86.4	10.48	100.4	12.70	107.6	13.94	114.8	15.24	128.6	17.66	142.6	19.42
	25	72.4	9.02	86.4	11.18	100.4	13.62	107.6	14.92	114.8	16.32	128.6	18.90	142.6	20.76
	27	72.4	9.56	86.4	11.88	100.4	14.54	107.6	15.94	114.8	17.40	128.6	20.08	142.6	21.86
	29	72.4	10.16	86.4	12.70	100.4	15.46	107.6	16.96	114.8	18.58	128.6	21.50	142.6	23.38
	31	72.4	10.80	86.4	13.46	100.4	16.48	107.6	18.10	114.8	19.78	128.6	22.82	142.6	24.56
	33	72.4	11.46	86.4	14.38	100.4	17.56	107.6	19.28	114.8	21.06	128.6	24.04	142.6	25.74
	35	72.4	12.16	86.4	15.24	100.4	18.70	107.6	20.52	114.8	22.48	128.6	25.50	141.0	26.68
	37	72.4	12.86	86.4	16.20	100.4	19.82	107.6	21.82	114.8	23.88	128.6	26.92	138.8	27.90
	39	72.4	13.58	86.4	17.12	100.4	21.20	107.6	23.46	114.8	25.66	128.6	28.44	136.4	29.42
	41	70.6	15.04	84.2	18.98	97.8	23.28	104.8	25.72	111.8	28.20	125.4	31.64	130.8	32.62
	43	68.8	16.54	82.2	20.70	95.4	25.40	102.2	28.04	109.0	30.82	122.2	33.86	125.4	34.92
46	64.6	18.42	77.0	23.32	89.4	28.62	95.8	31.20	102.2	34.78	111.8	36.96	114.4	37.54	
48	57.2	16.08	68.0	20.40	79.0	25.04	84.8	27.26	90.4	30.44	97.0	31.98	99.4	32.32	



# 7. Capacity Tables

Cooling Capacity (48HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	63.4	6.80	75.8	8.08	87.8	9.38	94.0	10.12	100.4	10.82	112.4	12.32	124.8	13.78
	12	63.4	6.90	75.8	8.20	87.8	9.58	94.0	10.28	100.4	11.04	112.4	12.52	124.8	14.04
	14	63.4	7.02	75.8	8.30	87.8	9.74	94.0	10.44	100.4	11.20	112.4	12.80	124.8	14.30
	16	63.4	7.12	75.8	8.46	87.8	9.90	94.0	10.66	100.4	11.40	112.4	13.02	124.8	14.60
	18	63.4	7.22	75.8	8.62	87.8	10.12	94.0	10.86	100.4	11.62	112.4	13.22	124.8	14.86
	20	63.4	7.34	75.8	8.78	87.8	10.28	94.0	11.08	100.4	11.88	112.4	13.54	124.8	15.42
	21	63.4	7.44	75.8	8.84	87.8	10.38	94.0	11.20	100.4	12.00	112.4	13.76	124.8	15.74
	23	63.4	7.56	75.8	9.04	87.8	10.60	94.0	11.56	100.4	12.58	112.4	14.72	124.8	16.62
	25	63.4	7.66	75.8	9.38	87.8	11.30	94.0	12.36	100.4	13.44	112.4	15.74	124.8	17.44
	27	63.4	8.08	75.8	10.02	87.8	12.04	94.0	13.12	100.4	14.36	112.4	16.82	124.8	18.52
	29	63.4	8.62	75.8	10.60	87.8	12.80	94.0	13.98	100.4	15.26	112.4	17.94	124.8	19.84
	31	63.4	9.16	75.8	11.30	87.8	13.66	94.0	14.94	100.4	16.28	112.4	19.12	124.8	21.06
	33	63.4	9.70	75.8	11.94	87.8	14.52	94.0	15.84	100.4	17.30	112.4	20.34	124.8	22.42
	35	63.4	10.22	75.8	12.74	87.8	15.42	94.0	16.86	100.4	18.42	112.4	21.68	124.8	23.78
	37	63.4	10.86	75.8	13.50	87.8	16.38	94.0	17.94	100.4	19.60	112.4	23.08	124.8	25.10
	39	63.4	11.54	75.8	14.40	87.8	17.52	94.0	19.30	100.4	21.18	112.4	24.70	124.8	27.06
	41	61.8	12.76	73.8	15.76	85.6	19.22	91.6	21.16	97.8	23.02	109.4	27.12	121.6	29.18
	43	60.2	13.90	72.0	17.18	83.4	20.96	89.4	23.08	95.4	25.14	106.8	29.64	118.6	31.56
46	56.4	15.44	67.6	19.32	78.2	23.62	83.8	25.72	89.4	28.34	100.0	33.42	111.2	35.16	
48	50.0	13.48	59.8	16.88	69.2	20.64	74.2	22.46	79.0	24.78	88.4	29.26	98.4	30.44	
60	10	54.2	5.84	64.8	6.84	75.4	7.96	80.6	8.54	86.0	9.08	96.4	10.30	107.0	11.52
	12	54.2	5.94	64.8	6.96	75.4	8.06	80.6	8.66	86.0	9.24	96.4	10.46	107.0	11.72
	14	54.2	6.00	64.8	7.06	75.4	8.22	80.6	8.80	86.0	9.40	96.4	10.66	107.0	11.94
	16	54.2	6.10	64.8	7.22	75.4	8.34	80.6	8.96	86.0	9.60	96.4	10.88	107.0	12.16
	18	54.2	6.20	64.8	7.32	75.4	8.50	80.6	9.12	86.0	9.76	96.4	11.04	107.0	12.42
	20	54.2	6.32	64.8	7.42	75.4	8.66	80.6	9.28	86.0	9.92	96.4	11.26	107.0	12.68
	21	54.2	6.36	64.8	7.48	75.4	8.76	80.6	9.40	86.0	10.02	96.4	11.40	107.0	12.78
	23	54.2	6.48	64.8	7.64	75.4	8.86	80.6	9.56	86.0	10.24	96.4	11.84	107.0	13.58
	25	54.2	6.58	64.8	7.80	75.4	9.24	80.6	10.02	86.0	10.88	96.4	12.64	107.0	14.54
	27	54.2	6.80	64.8	8.22	75.4	9.82	80.6	10.66	86.0	11.56	96.4	13.42	107.0	15.50
	29	54.2	7.22	64.8	8.76	75.4	10.46	80.6	11.36	86.0	12.32	96.4	14.32	107.0	16.56
	31	54.2	7.64	64.8	9.28	75.4	11.10	80.6	12.10	86.0	13.10	96.4	15.28	107.0	17.62
	33	54.2	8.06	64.8	9.82	75.4	11.78	80.6	12.84	86.0	13.96	96.4	16.24	107.0	18.78
	35	54.2	8.54	64.8	10.46	75.4	12.52	80.6	13.64	86.0	14.80	96.4	17.30	107.0	19.96
	37	54.2	9.02	64.8	11.04	75.4	13.26	80.6	14.48	86.0	15.70	96.4	18.36	107.0	21.22
	39	54.2	9.60	64.8	11.74	75.4	14.32	80.6	15.54	86.0	16.90	96.4	19.68	107.0	22.74
	41	52.8	10.40	63.2	12.86	73.4	15.56	78.6	16.98	83.8	18.34	94.0	21.60	104.4	24.72
	43	51.6	11.30	61.6	14.00	71.6	16.96	76.6	18.50	81.6	20.02	91.6	23.58	101.8	27.00
46	48.4	12.66	57.8	15.72	67.2	19.06	71.8	20.80	76.6	22.52	86.0	26.58	95.4	30.76	
48	42.8	11.04	51.0	13.72	59.4	16.66	63.6	18.16	67.6	19.68	76.0	23.24	84.4	26.92	
50	10	45.4	5.00	54.2	5.78	62.8	6.58	67.2	7.04	71.6	7.46	80.2	8.42	89.2	9.36
	12	45.4	5.04	54.2	5.84	62.8	6.68	67.2	7.16	71.6	7.62	80.2	8.58	89.2	9.52
	14	45.4	5.10	54.2	5.94	62.8	6.78	67.2	7.26	71.6	7.74	80.2	8.68	89.2	9.68
	16	45.4	5.20	54.2	6.04	62.8	6.88	67.2	7.42	71.6	7.84	80.2	8.84	89.2	9.84
	18	45.4	5.26	54.2	6.10	62.8	7.00	67.2	7.52	71.6	8.00	80.2	9.00	89.2	10.04
	20	45.4	5.32	54.2	6.20	62.8	7.16	67.2	7.62	71.6	8.16	80.2	9.16	89.2	10.26
	21	45.4	5.36	54.2	6.26	62.8	7.20	67.2	7.74	71.6	8.20	80.2	9.26	89.2	10.36
	23	45.4	5.46	54.2	6.36	62.8	7.32	67.2	7.84	71.6	8.36	80.2	9.42	89.2	10.58
	25	45.4	5.52	54.2	6.46	62.8	7.46	67.2	8.00	71.6	8.62	80.2	9.88	89.2	11.30
	27	45.4	5.62	54.2	6.68	62.8	7.88	67.2	8.52	71.6	9.16	80.2	10.58	89.2	12.04
	29	45.4	5.94	54.2	7.10	62.8	8.36	67.2	9.04	71.6	9.72	80.2	11.20	89.2	12.78
	31	45.4	6.26	54.2	7.52	62.8	8.88	67.2	9.58	71.6	10.36	80.2	11.94	89.2	13.62
	33	45.4	6.62	54.2	7.94	62.8	9.42	67.2	10.16	71.6	11.00	80.2	12.68	89.2	14.52
	35	45.4	7.00	54.2	8.42	62.8	9.94	67.2	10.78	71.6	11.62	80.2	13.42	89.2	15.40
	37	45.4	7.42	54.2	8.88	62.8	10.52	67.2	11.42	71.6	12.30	80.2	14.30	89.2	16.36
	39	45.4	7.90	54.2	9.52	62.8	11.26	67.2	12.28	71.6	13.20	80.2	15.24	89.2	17.66
	41	44.2	8.56	52.8	10.32	61.2	12.32	65.4	13.30	69.6	14.30	78.2	16.70	87.0	19.18
	43	43.2	9.30	51.6	11.22	59.8	13.40	63.8	14.48	68.0	15.58	76.2	18.22	84.8	20.92
46	40.4	10.42	48.4	12.58	56.0	15.04	59.8	16.26	63.6	17.48	71.4	20.50	79.6	23.56	
48	35.8	9.08	42.8	10.98	49.6	13.12	53.0	14.20	56.4	15.26	63.2	17.90	70.4	20.60	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## 7.1.3 3 Units Combination

### ◆ ARUN500BTE5

Cooling Capacity (50HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	127.9	14.82	152.5	18.10	163.3	21.00	168.1	21.44	172.8	21.60	181.1	21.78	185.8	21.86
	12	127.9	15.19	152.5	18.75	163.3	21.86	168.1	22.01	172.8	22.19	181.1	22.37	185.8	22.56
	14	127.9	15.69	152.5	19.43	163.3	22.69	168.1	22.85	172.8	23.04	181.1	23.23	185.8	23.43
	16	127.9	16.27	152.5	20.11	163.3	23.71	168.1	23.93	172.8	24.12	181.1	24.34	185.8	24.52
	18	127.9	16.95	152.5	21.27	163.3	24.80	168.1	25.33	172.8	25.53	181.1	25.79	185.8	25.97
	20	127.9	17.70	152.5	22.67	163.3	26.02	168.1	27.86	172.8	28.09	178.5	28.36	183.2	28.57
	21	127.9	18.17	152.5	23.45	163.3	26.57	168.1	29.48	172.8	29.73	177.5	30.02	182.1	30.23
	23	127.9	19.48	152.5	24.68	163.3	27.94	168.1	32.54	170.6	32.80	174.8	33.12	179.6	33.35
	25	127.9	20.81	152.5	26.10	163.3	29.87	166.1	36.09	168.1	36.37	172.8	36.73	177.5	36.99
	27	127.9	22.27	152.5	27.90	161.3	31.82	163.3	39.73	166.1	40.04	170.6	40.44	174.8	40.72
	29	127.9	23.73	152.5	29.83	158.7	34.23	161.0	43.67	163.3	43.93	168.1	44.31	172.8	44.49
	31	127.9	25.32	151.9	31.41	156.1	36.41	158.7	43.47	161.0	43.73	165.4	44.13	170.1	44.31
	33	127.9	26.98	149.3	33.29	154.0	39.06	156.5	43.08	158.7	43.34	163.3	43.73	167.5	43.89
	35	127.9	28.76	146.7	34.86	151.4	42.30	154.0	42.52	156.5	42.77	160.8	43.15	165.4	43.33
	37	127.9	30.67	144.6	36.58	149.3	41.74	151.4	41.96	154.0	42.21	158.2	42.58	162.9	42.74
	39	127.9	32.66	142.1	38.51	146.7	41.19	149.3	41.40	151.4	41.63	156.1	42.01	160.8	42.18
	41	124.7	34.65	136.2	40.43	140.8	40.63	142.9	40.84	145.7	41.07	150.0	41.44	154.2	41.62
	43	121.7	36.54	130.4	39.87	135.0	40.07	137.1	40.27	139.8	40.51	144.2	40.88	148.1	41.03
46	114.0	39.11	119.0	39.03	123.3	39.23	125.3	39.43	127.9	39.66	131.9	40.03	135.6	40.17	
48	100.8	38.02	103.3	38.14	107.2	38.21	108.9	38.32	111.3	38.66	114.9	38.90	118.1	39.05	
120	10	118.3	13.34	140.8	16.35	153.8	19.42	158.5	20.99	163.2	21.32	172.1	21.40	176.3	21.58
	12	118.3	13.69	140.8	16.90	153.8	20.20	158.5	21.43	163.2	22.11	172.1	22.38	176.3	22.55
	14	118.3	14.16	140.8	17.47	153.8	21.02	158.5	22.25	163.2	22.92	172.1	23.26	176.3	23.45
	16	118.3	14.67	140.8	18.18	153.8	21.82	158.5	23.07	163.2	23.98	172.1	24.27	176.3	24.46
	18	118.3	15.24	140.8	19.00	153.8	22.71	158.5	24.30	163.2	25.20	172.1	25.50	176.3	25.71
	20	118.3	15.83	140.8	20.15	153.8	23.92	158.5	25.57	163.2	26.55	172.1	26.90	176.3	27.11
	21	118.3	16.31	140.8	20.88	153.8	24.60	158.5	26.31	163.2	27.42	172.1	27.76	176.3	27.98
	23	118.3	17.43	140.8	22.33	153.8	26.35	158.5	27.96	163.2	29.23	172.1	29.52	176.3	29.77
	25	118.3	18.62	140.8	23.92	153.8	27.80	158.5	29.81	163.2	31.34	170.0	31.60	174.2	31.86
	27	118.3	19.88	140.8	25.58	153.8	29.58	158.5	31.84	163.2	33.68	167.4	33.92	171.6	34.19
	29	118.3	21.21	140.8	27.30	153.8	31.14	158.5	34.08	160.6	35.90	164.7	36.45	169.4	36.73
	31	118.3	22.60	140.8	29.17	153.8	32.74	156.4	36.51	158.5	38.51	162.7	39.20	166.8	39.51
	33	118.3	24.05	140.8	31.08	151.7	34.64	153.8	39.62	155.8	41.36	160.0	41.82	164.2	42.15
	35	118.3	25.58	140.8	33.14	149.2	36.65	151.2	43.67	153.8	43.88	157.9	44.01	162.1	44.36
	37	118.3	27.51	140.8	34.96	147.1	39.09	149.2	42.74	151.2	42.95	155.4	43.08	159.6	43.42
	39	118.3	29.62	140.3	36.95	144.4	41.45	146.5	41.86	148.6	42.08	153.3	42.19	157.5	42.53
	41	115.4	31.73	134.2	38.94	138.7	40.63	140.6	40.99	142.6	41.19	146.8	41.32	151.0	41.63
	43	112.5	33.87	128.5	38.39	132.9	39.73	134.9	40.11	136.9	40.31	140.9	40.43	145.0	40.75
46	105.4	36.41	117.1	37.47	121.4	38.47	123.2	38.79	125.0	38.98	128.9	39.10	132.7	39.40	
48	93.3	35.68	101.7	36.80	105.6	37.72	107.1	37.95	108.8	38.07	112.1	38.23	115.4	38.38	
110	10	108.3	11.99	129.2	14.62	144.2	17.36	148.3	18.79	157.8	20.22	161.4	20.78	172.4	21.12
	12	108.3	12.37	129.2	15.10	144.2	18.08	148.3	19.32	157.8	20.97	161.4	21.66	172.4	22.15
	14	108.3	12.75	129.2	15.79	144.2	18.89	148.3	20.28	157.8	22.04	161.4	22.67	172.4	23.14
	16	108.3	13.20	129.2	16.35	144.2	19.68	148.3	21.16	157.8	23.05	161.4	23.68	172.4	24.09
	18	108.3	13.69	129.2	17.04	144.2	20.81	148.3	22.29	157.8	24.31	161.4	24.80	172.4	25.27
	20	108.3	14.18	129.2	17.89	144.2	22.07	148.3	23.31	157.8	25.50	161.4	26.13	172.4	26.55
	21	108.3	14.50	129.2	18.43	144.2	22.63	148.3	23.93	157.8	26.21	161.4	26.87	172.4	27.29
	23	108.3	15.44	129.2	19.75	144.2	23.90	148.3	25.27	157.8	27.68	161.4	28.28	172.4	28.75
	25	108.3	16.50	129.2	21.08	144.2	25.24	148.3	26.71	157.8	29.25	161.4	29.67	170.3	30.28
	27	108.3	17.62	129.2	22.53	144.2	26.68	148.3	28.27	157.8	30.55	161.4	31.25	167.8	31.78
	29	108.3	18.82	129.2	24.05	144.2	28.20	148.3	29.94	157.8	32.29	161.4	32.85	165.6	33.33
	31	108.3	20.02	129.2	25.65	144.2	29.80	148.3	31.73	155.2	33.93	159.3	34.60	162.9	34.95
	33	108.3	21.34	129.2	27.30	144.2	31.48	148.3	33.61	153.1	35.82	156.7	36.42	160.8	36.62
	35	108.3	22.67	129.2	29.17	144.2	33.25	148.3	35.62	150.4	37.81	154.2	38.16	158.3	38.34
	37	108.3	24.02	129.2	30.95	144.2	35.09	146.3	37.73	147.9	39.87	152.1	40.01	155.7	40.13
	39	108.3	25.90	129.2	32.89	141.7	37.03	143.7	40.37	145.8	41.85	149.4	41.92	153.6	41.96
	41	105.6	27.77	125.8	34.82	135.6	39.05	137.7	43.67	139.5	43.67	143.6	44.01	147.1	44.36
	43	102.9	29.17	122.8	36.28	130.0	41.41	132.1	41.88	133.8	41.79	137.8	42.02	141.2	42.14
46	96.5	28.46	115.0	35.03	118.5	39.31	120.6	39.30	122.1	39.30	125.9	39.87	129.2	39.96	
48	85.4	27.64	100.0	33.75	102.9	37.39	104.9	37.64	106.2	37.83	109.6	37.94	112.4	38.08	

# 7. Capacity Tables

Cooling Capacity (50HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	94.6	10.79	112.5	13.12	131.0	15.57	140.0	16.82	149.0	18.07	165.2	20.11	168.8	20.28
	12	94.6	11.14	112.5	13.65	131.0	16.09	140.0	17.28	149.0	18.65	165.2	21.20	168.8	21.40
	14	94.6	11.49	112.5	14.20	131.0	16.77	140.0	18.02	149.0	19.45	165.2	22.38	168.8	22.59
	16	94.6	11.85	112.5	14.68	131.0	17.49	140.0	18.87	149.0	20.50	165.2	23.47	168.8	23.79
	18	94.6	12.19	112.5	15.22	131.0	18.17	140.0	19.80	149.0	21.74	165.2	24.80	168.8	24.99
	20	94.6	12.63	112.5	15.79	131.0	19.22	140.0	21.21	149.0	23.27	165.2	25.98	168.8	26.19
	21	94.6	12.89	112.5	16.17	131.0	19.88	140.0	21.94	149.0	24.12	165.2	26.57	168.8	26.79
	23	94.6	13.65	112.5	17.29	131.0	21.34	140.0	23.53	149.0	25.84	165.2	27.83	168.8	28.06
	25	94.6	14.52	112.5	18.43	131.0	22.79	140.0	25.19	149.0	27.64	165.2	29.01	167.5	29.25
	27	94.6	15.51	112.5	19.69	131.0	24.39	140.0	26.91	149.0	29.39	162.1	30.37	165.4	30.62
	29	94.6	16.50	112.5	21.00	131.0	26.05	140.0	28.76	149.0	31.10	159.0	31.60	162.9	31.86
	31	94.6	17.62	112.5	22.41	131.0	27.77	140.0	30.69	149.0	32.68	156.6	32.82	160.4	33.09
	33	94.6	18.69	112.5	23.86	131.0	29.63	140.0	32.74	149.0	33.91	154.1	34.05	157.9	34.32
	35	94.6	19.88	112.5	25.38	131.0	31.54	140.0	34.92	146.7	35.13	151.3	35.28	155.1	35.56
	37	94.6	21.30	112.5	27.23	131.0	33.41	140.0	36.59	144.3	36.77	148.5	36.91	152.1	37.26
	39	94.6	22.83	112.5	29.25	131.0	35.41	140.0	38.38	141.9	38.54	146.1	38.70	149.6	39.06
	41	92.9	24.37	110.7	31.26	128.9	37.40	134.3	40.17	137.2	40.33	140.4	40.47	145.0	40.85
	43	89.8	25.79	106.9	33.15	124.6	39.20	128.8	41.70	130.3	41.85	134.3	41.99	137.9	42.38
46	84.2	27.73	100.2	35.72	116.7	41.58	117.5	43.67	118.9	43.79	122.7	43.92	126.0	44.33	
48	74.4	23.95	88.6	30.92	100.7	35.54	102.2	37.05	103.3	37.17	106.7	37.25	109.6	37.55	
90	10	85.0	9.27	101.5	11.15	117.9	13.15	126.0	14.17	134.0	15.25	150.4	17.07	167.1	18.98
	12	85.0	9.39	101.5	11.32	117.9	13.37	126.0	14.45	134.0	15.59	150.4	17.41	167.1	19.31
	14	85.0	9.56	101.5	11.55	117.9	13.66	126.0	14.74	134.0	15.88	150.4	17.74	167.1	19.71
	16	85.0	9.73	101.5	11.78	117.9	13.94	126.0	15.02	134.0	16.16	150.4	18.08	167.1	20.04
	18	85.0	9.90	101.5	12.01	117.9	14.17	126.0	15.37	134.0	16.50	150.4	18.48	167.1	21.06
	20	85.0	10.07	101.5	12.23	117.9	14.45	126.0	15.65	134.0	17.13	150.4	19.77	167.1	22.06
	21	85.0	10.18	101.5	12.35	117.9	14.74	126.0	16.16	134.0	17.76	150.4	20.09	167.1	22.57
	23	85.0	10.42	101.5	12.86	117.9	15.77	126.0	17.36	134.0	19.01	150.4	21.32	164.7	23.63
	25	85.0	10.92	101.5	13.72	117.9	16.84	126.0	18.55	134.0	20.31	150.4	22.78	162.4	24.64
	27	85.0	11.67	101.5	14.62	117.9	17.98	126.0	19.81	134.0	21.74	150.4	24.22	160.0	25.80
	29	85.0	12.35	101.5	15.59	117.9	19.23	126.0	21.17	134.0	23.22	150.4	25.66	157.5	26.83
	31	85.0	13.15	101.5	16.62	117.9	20.49	126.0	22.54	134.0	24.75	150.4	26.95	155.2	27.88
	33	85.0	14.00	101.5	17.70	117.9	21.86	126.0	24.01	134.0	26.26	150.4	28.24	152.8	28.92
	35	85.0	14.86	101.5	18.78	117.9	23.22	126.0	25.61	134.0	27.84	147.9	29.87	150.4	30.55
	37	85.0	15.77	101.5	19.97	117.9	24.76	126.0	27.21	134.0	29.39	145.5	31.22	148.1	31.92
	39	85.0	16.69	101.5	21.24	117.9	26.19	126.0	28.95	134.0	30.90	143.2	32.92	145.7	33.31
	41	82.9	18.67	98.9	23.55	115.0	28.76	122.8	31.66	130.6	33.37	137.1	34.69	139.6	35.48
	43	80.8	20.16	96.4	25.46	112.1	31.41	119.7	34.09	127.4	35.77	131.5	37.15	133.9	37.59
46	75.7	22.69	90.4	28.98	105.0	35.80	112.2	38.66	115.7	39.75	120.0	40.78	122.3	40.83	
48	67.0	19.83	80.0	25.36	92.9	31.32	99.2	33.72	100.4	34.25	104.3	35.10	106.3	35.15	
80	10	75.4	7.81	90.0	9.38	104.6	11.01	112.1	11.89	119.6	12.76	134.0	14.55	148.5	15.80
	12	75.4	7.97	90.0	9.50	104.6	11.23	112.1	12.10	119.6	12.98	134.0	14.81	148.5	16.11
	14	75.4	8.08	90.0	9.72	104.6	11.39	112.1	12.31	119.6	13.18	134.0	15.09	148.5	16.42
	16	75.4	8.19	90.0	9.88	104.6	11.61	112.1	12.54	119.6	13.46	134.0	15.41	148.5	16.73
	18	75.4	8.35	90.0	10.05	104.6	11.84	112.1	12.76	119.6	13.72	134.0	15.69	148.5	17.10
	20	75.4	8.52	90.0	10.26	104.6	12.10	112.1	13.02	119.6	14.01	134.0	16.27	148.5	18.10
	21	75.4	8.58	90.0	10.36	104.6	12.22	112.1	13.18	119.6	14.32	134.0	16.80	148.5	18.59
	23	75.4	8.73	90.0	10.52	104.6	12.76	112.1	14.01	119.6	15.31	134.0	17.74	148.5	19.51
	25	75.4	9.06	90.0	11.23	104.6	13.68	112.1	14.98	119.6	16.39	134.0	18.98	148.5	20.86
	27	75.4	9.60	90.0	11.93	104.6	14.60	112.1	16.01	119.6	17.48	134.0	20.16	148.5	21.95
	29	75.4	10.21	90.0	12.76	104.6	15.53	112.1	17.04	119.6	18.67	134.0	21.60	148.5	23.49
	31	75.4	10.85	90.0	13.52	104.6	16.56	112.1	18.18	119.6	19.86	134.0	22.93	148.5	24.67
	33	75.4	11.51	90.0	14.44	104.6	17.64	112.1	19.37	119.6	21.16	134.0	24.15	148.5	25.86
	35	75.4	12.22	90.0	15.31	104.6	18.78	112.1	20.61	119.6	22.58	134.0	25.61	146.9	26.80
	37	75.4	12.92	90.0	16.27	104.6	19.91	112.1	21.93	119.6	23.99	134.0	27.04	144.6	28.03
	39	75.4	13.64	90.0	17.20	104.6	21.30	112.1	23.57	119.6	25.78	134.0	28.57	142.1	29.56
	41	73.6	15.10	87.7	19.06	101.8	23.39	109.2	25.83	116.4	28.33	130.6	31.79	136.2	32.76
	43	71.7	16.62	85.5	20.80	99.3	25.52	106.4	28.16	113.6	30.96	127.4	34.01	130.6	35.08
46	67.2	18.50	80.1	23.43	93.1	28.75	99.7	31.34	106.4	34.93	116.4	37.13	119.2	37.71	
48	59.6	16.15	70.9	20.49	82.4	25.15	88.3	27.38	94.2	30.58	101.1	32.13	103.6	32.47	

# 7. Capacity Tables

Cooling Capacity (50HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	66.0	6.90	79.0	8.20	91.5	9.51	97.9	10.27	104.6	10.98	117.1	12.51	130.0	13.98
	12	66.0	7.01	79.0	8.32	91.5	9.73	97.9	10.43	104.6	11.20	117.1	12.71	130.0	14.24
	14	66.0	7.13	79.0	8.43	91.5	9.89	97.9	10.60	104.6	11.37	117.1	12.99	130.0	14.51
	16	66.0	7.22	79.0	8.59	91.5	10.05	97.9	10.81	104.6	11.57	117.1	13.21	130.0	14.82
	18	66.0	7.33	79.0	8.75	91.5	10.27	97.9	11.03	104.6	11.79	117.1	13.42	130.0	15.08
	20	66.0	7.45	79.0	8.92	91.5	10.43	97.9	11.25	104.6	12.06	117.1	13.74	130.0	15.65
	21	66.0	7.55	79.0	8.97	91.5	10.54	97.9	11.37	104.6	12.18	117.1	13.97	130.0	15.98
	23	66.0	7.67	79.0	9.18	91.5	10.76	97.9	11.74	104.6	12.77	117.1	14.95	130.0	16.87
	25	66.0	7.78	79.0	9.51	91.5	11.46	97.9	12.55	104.6	13.64	117.1	15.98	130.0	17.70
	27	66.0	8.20	79.0	10.16	91.5	12.22	97.9	13.32	104.6	14.57	117.1	17.07	130.0	18.80
	29	66.0	8.75	79.0	10.76	91.5	12.99	97.9	14.19	104.6	15.49	117.1	18.21	130.0	20.14
	31	66.0	9.29	79.0	11.46	91.5	13.86	97.9	15.16	104.6	16.52	117.1	19.40	130.0	21.38
	33	66.0	9.84	79.0	12.12	91.5	14.73	97.9	16.08	104.6	17.56	117.1	20.65	130.0	22.75
	35	66.0	10.38	79.0	12.93	91.5	15.65	97.9	17.12	104.6	18.70	117.1	22.01	130.0	24.13
	37	66.0	11.03	79.0	13.70	91.5	16.63	97.9	18.21	104.6	19.89	117.1	23.43	130.0	25.47
	39	66.0	11.71	79.0	14.61	91.5	17.78	97.9	19.59	104.6	21.49	117.1	25.07	130.0	27.46
	41	64.3	12.95	77.0	16.00	89.2	19.51	95.4	21.48	101.8	23.36	114.0	27.52	126.7	29.62
	43	62.8	14.10	75.0	17.44	86.9	21.28	93.2	23.43	99.3	25.51	111.2	30.08	123.5	32.03
46	58.8	15.67	70.4	19.61	81.5	23.97	87.2	26.10	93.1	28.75	104.2	33.92	115.8	35.69	
48	52.1	13.67	62.2	17.13	72.1	20.95	77.2	22.80	82.4	25.15	92.1	29.69	102.5	30.89	
60	10	56.5	5.99	67.5	7.02	78.5	8.16	84.0	8.76	89.6	9.31	100.4	10.56	111.5	11.81
	12	56.5	6.09	67.5	7.13	78.5	8.27	84.0	8.88	89.6	9.48	100.4	10.72	111.5	12.03
	14	56.5	6.15	67.5	7.24	78.5	8.44	84.0	9.03	89.6	9.64	100.4	10.93	111.5	12.24
	16	56.5	6.26	67.5	7.41	78.5	8.54	84.0	9.20	89.6	9.85	100.4	11.16	111.5	12.47
	18	56.5	6.37	67.5	7.50	78.5	8.71	84.0	9.36	89.6	10.01	100.4	11.32	111.5	12.74
	20	56.5	6.48	67.5	7.61	78.5	8.88	84.0	9.52	89.6	10.17	100.4	11.55	111.5	13.00
	21	56.5	6.53	67.5	7.68	78.5	8.98	84.0	9.64	89.6	10.28	100.4	11.70	111.5	13.11
	23	56.5	6.65	67.5	7.84	78.5	9.09	84.0	9.80	89.6	10.51	100.4	12.14	111.5	13.93
	25	56.5	6.74	67.5	8.00	78.5	9.48	84.0	10.28	89.6	11.16	100.4	12.96	111.5	14.91
	27	56.5	6.97	67.5	8.44	78.5	10.07	84.0	10.93	89.6	11.86	100.4	13.76	111.5	15.90
	29	56.5	7.41	67.5	8.98	78.5	10.72	84.0	11.65	89.6	12.63	100.4	14.69	111.5	16.98
	31	56.5	7.84	67.5	9.52	78.5	11.37	84.0	12.40	89.6	13.44	100.4	15.67	111.5	18.06
	33	56.5	8.27	67.5	10.07	78.5	12.08	84.0	13.16	89.6	14.31	100.4	16.65	111.5	19.26
	35	56.5	8.76	67.5	10.72	78.5	12.84	84.0	13.99	89.6	15.18	100.4	17.74	111.5	20.46
	37	56.5	9.25	67.5	11.32	78.5	13.60	84.0	14.86	89.6	16.10	100.4	18.82	111.5	21.76
	39	56.5	9.84	67.5	12.04	78.5	14.68	84.0	15.94	89.6	17.33	100.4	20.19	111.5	23.32
	41	55.0	10.67	65.8	13.19	76.5	15.95	81.8	17.41	87.2	18.81	97.9	22.15	108.7	25.35
	43	53.7	11.59	64.2	14.35	74.6	17.39	79.9	18.97	85.0	20.53	95.4	24.18	106.0	27.69
46	50.4	12.99	60.1	16.11	70.0	19.55	74.8	21.33	79.7	23.09	89.6	27.26	99.3	31.55	
48	44.6	11.32	53.2	14.07	61.8	17.09	66.2	18.62	70.4	20.18	79.2	23.83	87.9	27.61	
50	10	47.2	5.18	56.5	5.99	65.4	6.82	70.0	7.30	74.6	7.73	83.5	8.73	92.9	9.70
	12	47.2	5.23	56.5	6.05	65.4	6.93	70.0	7.41	74.6	7.90	83.5	8.89	92.9	9.86
	14	47.2	5.29	56.5	6.16	65.4	7.02	70.0	7.52	74.6	8.01	83.5	9.00	92.9	10.03
	16	47.2	5.39	56.5	6.27	65.4	7.13	70.0	7.69	74.6	8.12	83.5	9.16	92.9	10.19
	18	47.2	5.45	56.5	6.32	65.4	7.25	70.0	7.79	74.6	8.28	83.5	9.32	92.9	10.41
	20	47.2	5.51	56.5	6.43	65.4	7.41	70.0	7.90	74.6	8.45	83.5	9.48	92.9	10.63
	21	47.2	5.56	56.5	6.48	65.4	7.47	70.0	8.01	74.6	8.50	83.5	9.59	92.9	10.73
	23	47.2	5.66	56.5	6.59	65.4	7.58	70.0	8.12	74.6	8.66	83.5	9.76	92.9	10.96
	25	47.2	5.72	56.5	6.70	65.4	7.73	70.0	8.28	74.6	8.93	83.5	10.24	92.9	11.72
	27	47.2	5.83	56.5	6.93	65.4	8.17	70.0	8.82	74.6	9.48	83.5	10.96	92.9	12.48
	29	47.2	6.16	56.5	7.36	65.4	8.66	70.0	9.37	74.6	10.08	83.5	11.61	92.9	13.25
	31	47.2	6.48	56.5	7.79	65.4	9.20	70.0	9.92	74.6	10.73	83.5	12.37	92.9	14.11
	33	47.2	6.86	56.5	8.23	65.4	9.76	70.0	10.52	74.6	11.39	83.5	13.14	92.9	15.05
	35	47.2	7.25	56.5	8.73	65.4	10.30	70.0	11.18	74.6	12.04	83.5	13.90	92.9	15.97
	37	47.2	7.69	56.5	9.20	65.4	10.90	70.0	11.83	74.6	12.75	83.5	14.82	92.9	16.95
	39	47.2	8.19	56.5	9.87	65.4	11.68	70.0	12.73	74.6	13.68	83.5	15.79	92.9	18.31
	41	46.0	8.86	55.0	10.69	63.8	12.77	68.2	13.79	72.5	14.82	81.4	17.31	90.6	19.88
	43	45.0	9.63	53.7	11.62	62.2	13.89	66.5	15.01	70.8	16.14	79.3	18.88	88.3	21.68
46	42.1	10.80	50.4	13.03	58.3	15.59	62.4	16.85	66.3	18.12	74.3	21.24	82.9	24.41	
48	37.2	9.40	44.6	11.38	51.6	13.60	55.1	14.71	58.7	15.82	65.8	18.55	73.3	21.34	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN520BTE5

Cooling Capacity (52HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	133.1	15.56	158.6	19.01	169.9	22.05	174.8	22.51	179.7	22.68	188.3	22.87	193.2	22.96
	12	133.1	15.94	158.6	19.68	169.9	22.96	174.8	23.11	179.7	23.30	188.3	23.49	193.2	23.69
	14	133.1	16.48	158.6	20.40	169.9	23.82	174.8	23.99	179.7	24.19	188.3	24.39	193.2	24.61
	16	133.1	17.08	158.6	21.12	169.9	24.89	174.8	25.13	179.7	25.33	188.3	25.55	193.2	25.75
	18	133.1	17.80	158.6	22.34	169.9	26.04	174.8	26.59	179.7	26.81	188.3	27.08	193.2	27.26
	20	133.1	18.59	158.6	23.80	169.9	27.32	174.8	29.25	179.7	29.49	185.6	29.78	190.5	29.99
	21	133.1	19.07	158.6	24.63	169.9	27.90	174.8	30.96	179.7	31.21	184.6	31.52	189.4	31.74
	23	133.1	20.46	158.6	25.92	169.9	29.34	174.8	34.17	177.4	34.45	181.8	34.78	186.7	35.02
	25	133.1	21.85	158.6	27.41	169.9	31.36	172.7	37.89	174.8	38.19	179.7	38.57	184.6	38.84
	27	133.1	23.39	158.6	29.29	167.7	33.41	169.9	41.72	172.7	42.05	177.4	42.46	181.8	42.75
	29	133.1	24.92	158.6	31.32	165.1	35.94	167.4	45.85	169.9	46.12	174.8	46.53	179.7	46.72
	31	133.1	26.59	158.0	32.99	162.3	38.23	165.1	45.64	167.4	45.92	172.0	46.34	176.9	46.53
	33	133.1	28.33	155.3	34.95	160.2	41.01	162.8	45.24	165.1	45.51	169.9	45.91	174.2	46.09
	35	133.1	30.20	152.5	36.60	157.4	44.42	160.2	44.65	162.8	44.91	167.2	45.31	172.0	45.49
	37	133.1	32.21	150.4	38.41	155.3	43.83	157.4	44.06	160.2	44.32	164.5	44.71	169.4	44.88
	39	133.1	34.29	147.8	40.44	152.5	43.25	155.3	43.47	157.4	43.72	162.3	44.12	167.2	44.29
	41	129.7	36.39	141.7	42.45	146.4	42.66	148.6	42.88	151.5	43.13	156.0	43.51	160.3	43.70
	43	126.5	38.37	135.7	41.86	140.4	42.08	142.6	42.28	145.4	42.54	149.9	42.92	154.0	43.08
46	118.6	41.07	123.8	40.98	128.3	41.19	130.3	41.40	133.0	41.65	137.2	42.03	141.0	42.18	
48	104.9	39.92	107.5	40.05	111.5	40.12	113.3	40.24	115.7	40.59	119.4	40.84	122.8	41.00	
120	10	123.1	14.00	146.4	17.17	159.9	20.39	164.8	22.04	169.7	22.38	179.0	22.47	183.3	22.65
	12	123.1	14.38	146.4	17.74	159.9	21.21	164.8	22.50	169.7	23.21	179.0	23.50	183.3	23.68
	14	123.1	14.87	146.4	18.34	159.9	22.07	164.8	23.36	169.7	24.06	179.0	24.42	183.3	24.62
	16	123.1	15.40	146.4	19.09	159.9	22.92	164.8	24.22	169.7	25.18	179.0	25.49	183.3	25.69
	18	123.1	16.00	146.4	19.95	159.9	23.84	164.8	25.51	169.7	26.46	179.0	26.78	183.3	26.99
	20	123.1	16.62	146.4	21.16	159.9	25.11	164.8	26.85	169.7	27.88	179.0	28.24	183.3	28.47
	21	123.1	17.12	146.4	21.92	159.9	25.83	164.8	27.63	169.7	28.79	179.0	29.15	183.3	29.38
	23	123.1	18.30	146.4	23.45	159.9	27.67	164.8	29.36	169.7	30.69	179.0	31.00	183.3	31.26
	25	123.1	19.55	146.4	25.11	159.9	29.19	164.8	31.30	169.7	32.91	176.8	33.19	181.1	33.46
	27	123.1	20.87	146.4	26.86	159.9	31.06	164.8	33.43	169.7	35.37	174.1	35.61	178.5	35.90
	29	123.1	22.27	146.4	28.66	159.9	32.69	164.8	35.78	167.0	37.70	171.3	38.27	176.2	38.57
	31	123.1	23.73	146.4	30.62	159.9	34.38	162.7	38.34	164.8	40.44	169.2	41.16	173.5	41.49
	33	123.1	25.26	146.4	32.64	157.8	36.37	159.9	41.61	162.1	43.42	166.4	43.91	170.8	44.26
	35	123.1	26.86	146.4	34.79	155.1	38.49	157.3	45.85	159.9	46.07	164.3	46.21	168.6	46.57
	37	123.1	28.89	146.4	36.71	152.9	41.04	155.1	44.88	157.3	45.10	161.6	45.24	166.0	45.60
	39	123.1	31.10	145.9	38.80	150.2	43.53	152.4	43.96	154.5	44.18	159.5	44.30	163.8	44.66
	41	120.0	33.31	139.5	40.89	144.3	42.66	146.2	43.04	148.4	43.25	152.7	43.38	157.0	43.72
	43	117.0	35.57	133.6	40.31	138.2	41.71	140.3	42.12	142.4	42.32	146.5	42.45	150.8	42.79
46	109.6	38.23	121.8	39.35	126.3	40.40	128.1	40.73	130.0	40.93	134.0	41.06	138.0	41.37	
48	97.0	37.46	105.8	38.64	109.8	39.61	111.4	39.85	113.1	39.98	116.6	40.14	120.1	40.30	
110	10	112.7	12.59	134.3	15.35	150.0	18.23	154.3	19.73	164.1	21.23	167.9	21.82	179.2	22.18
	12	112.7	12.99	134.3	15.86	150.0	18.99	154.3	20.28	164.1	22.02	167.9	22.74	179.2	23.26
	14	112.7	13.39	134.3	16.58	150.0	19.84	154.3	21.29	164.1	23.14	167.9	23.80	179.2	24.29
	16	112.7	13.86	134.3	17.17	150.0	20.66	154.3	22.22	164.1	24.21	167.9	24.87	179.2	25.30
	18	112.7	14.38	134.3	17.89	150.0	21.85	154.3	23.40	164.1	25.53	167.9	26.04	179.2	26.53
	20	112.7	14.88	134.3	18.79	150.0	23.17	154.3	24.48	164.1	26.78	167.9	27.44	179.2	27.88
	21	112.7	15.22	134.3	19.35	150.0	23.76	154.3	25.13	164.1	27.52	167.9	28.21	179.2	28.66
	23	112.7	16.22	134.3	20.74	150.0	25.10	154.3	26.53	164.1	29.06	167.9	29.69	179.2	30.18
	25	112.7	17.33	134.3	22.13	150.0	26.51	154.3	28.04	164.1	30.71	167.9	31.16	177.1	31.79
	27	112.7	18.51	134.3	23.66	150.0	28.01	154.3	29.68	164.1	32.08	167.9	32.81	174.5	33.37
	29	112.7	19.77	134.3	25.26	150.0	29.61	154.3	31.43	164.1	33.90	167.9	34.49	172.2	35.00
	31	112.7	21.02	134.3	26.93	150.0	31.29	154.3	33.31	161.4	35.62	165.7	36.33	169.5	36.70
	33	112.7	22.41	134.3	28.66	150.0	33.05	154.3	35.30	159.2	37.61	163.0	38.24	167.3	38.45
	35	112.7	23.80	134.3	30.62	150.0	34.91	154.3	37.41	156.5	39.70	160.3	40.07	164.7	40.26
	37	112.7	25.22	134.3	32.50	150.0	36.85	152.1	39.62	153.8	41.86	158.2	42.01	161.9	42.13
	39	112.7	27.19	134.3	34.53	147.3	38.89	149.5	42.39	151.7	43.94	155.4	44.02	159.8	44.06
	41	109.8	29.16	130.9	36.56	141.0	41.00	143.2	45.85	145.0	45.85	149.3	46.21	153.0	46.57
	43	107.0	30.63	127.7	38.10	135.2	43.48	137.4	43.97	139.1	43.88	143.3	44.12	146.9	44.25
46	100.4	29.88	119.6	36.78	123.2	41.27	125.4	41.27	127.0	41.63	130.9	41.86	134.3	41.96	
48	88.8	29.02	104.0	35.44	107.0	39.26	109.0	39.52	110.5	39.72	113.9	39.83	116.9	39.98	



# 7. Capacity Tables

Cooling Capacity (52HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	98.3	11.33	117.0	13.78	136.2	16.35	145.6	17.66	155.0	18.98	171.8	21.12	175.5	21.29
	12	98.3	11.70	117.0	14.34	136.2	16.89	145.6	18.14	155.0	19.58	171.8	22.26	175.5	22.47
	14	98.3	12.07	117.0	14.91	136.2	17.61	145.6	18.92	155.0	20.43	171.8	23.50	175.5	23.72
	16	98.3	12.44	117.0	15.41	136.2	18.36	145.6	19.81	155.0	21.52	171.8	24.65	175.5	24.98
	18	98.3	12.80	117.0	15.99	136.2	19.08	145.6	20.79	155.0	22.83	171.8	26.04	175.5	26.24
	20	98.3	13.26	117.0	16.58	136.2	20.18	145.6	22.27	155.0	24.43	171.8	27.28	175.5	27.50
	21	98.3	13.53	117.0	16.98	136.2	20.87	145.6	23.04	155.0	25.33	171.8	27.90	175.5	28.13
	23	98.3	14.34	117.0	18.16	136.2	22.41	145.6	24.71	155.0	27.14	171.8	29.22	175.5	29.46
	25	98.3	15.24	117.0	19.35	136.2	23.93	145.6	26.45	155.0	29.02	171.8	30.46	174.2	30.71
	27	98.3	16.29	117.0	20.67	136.2	25.61	145.6	28.26	155.0	30.86	168.5	31.89	172.0	32.15
	29	98.3	17.33	117.0	22.05	136.2	27.35	145.6	30.20	155.0	32.65	165.4	33.18	169.4	33.45
	31	98.3	18.51	117.0	23.53	136.2	29.16	145.6	32.22	155.0	34.32	162.9	34.46	166.8	34.75
	33	98.3	19.62	117.0	25.05	136.2	31.11	145.6	34.38	155.0	35.61	160.3	35.75	164.2	36.03
	35	98.3	20.87	117.0	26.65	136.2	33.12	145.6	36.66	152.6	36.89	157.3	37.04	161.3	37.33
	37	98.3	22.36	117.0	28.59	136.2	35.08	145.6	38.41	150.1	38.61	154.4	38.76	158.1	39.12
	39	98.3	23.97	117.0	30.71	136.2	37.18	145.6	40.30	147.6	40.47	151.9	40.64	155.5	41.01
	41	96.7	25.58	115.1	32.83	134.1	39.28	139.7	42.18	142.7	42.35	146.1	42.49	150.8	42.89
	43	93.4	27.08	111.2	34.81	129.5	41.16	133.9	43.79	135.5	43.94	139.7	44.09	143.4	44.50
46	87.5	29.12	104.2	37.51	121.3	43.65	122.2	45.85	123.6	45.98	127.6	46.11	131.0	46.54	
48	77.4	25.15	92.2	32.46	104.7	37.32	106.3	38.90	107.4	39.03	110.9	39.11	114.0	39.43	
90	10	88.4	9.72	105.6	11.69	122.7	13.78	131.0	14.85	139.4	15.99	156.5	17.89	173.7	19.90
	12	88.4	9.84	105.6	11.86	122.7	14.01	131.0	15.15	139.4	16.34	156.5	18.25	173.7	20.24
	14	88.4	10.03	105.6	12.11	122.7	14.32	131.0	15.45	139.4	16.64	156.5	18.59	173.7	20.66
	16	88.4	10.20	105.6	12.35	122.7	14.61	131.0	15.75	139.4	16.94	156.5	18.95	173.7	21.01
	18	88.4	10.38	105.6	12.59	122.7	14.85	131.0	16.11	139.4	17.30	156.5	19.37	173.7	22.07
	20	88.4	10.55	105.6	12.82	122.7	15.15	131.0	16.40	139.4	17.95	156.5	20.72	173.7	23.13
	21	88.4	10.67	105.6	12.94	122.7	15.45	131.0	16.94	139.4	18.62	156.5	21.05	173.7	23.65
	23	88.4	10.92	105.6	13.48	122.7	16.53	131.0	18.19	139.4	19.93	156.5	22.34	171.3	24.77
	25	88.4	11.45	105.6	14.38	122.7	17.65	131.0	19.44	139.4	21.29	156.5	23.88	168.8	25.83
	27	88.4	12.23	105.6	15.32	122.7	18.85	131.0	20.76	139.4	22.79	156.5	25.39	166.4	27.04
	29	88.4	12.94	105.6	16.34	122.7	20.16	131.0	22.19	139.4	24.34	156.5	26.90	163.8	28.12
	31	88.4	13.78	105.6	17.42	122.7	21.48	131.0	23.62	139.4	25.94	156.5	28.25	161.4	29.23
	33	88.4	14.68	105.6	18.55	122.7	22.91	131.0	25.16	139.4	27.52	156.5	29.60	158.9	30.31
	35	88.4	15.57	105.6	19.68	122.7	24.34	131.0	26.84	139.4	29.19	153.8	31.31	156.4	32.02
	37	88.4	16.53	105.6	20.94	122.7	25.96	131.0	28.52	139.4	30.81	151.4	32.73	154.0	33.46
	39	88.4	17.49	105.6	22.26	122.7	27.46	131.0	30.35	139.4	32.39	148.9	34.51	151.5	34.92
	41	86.2	19.57	102.8	24.68	119.6	30.14	127.7	33.18	135.8	34.97	142.6	36.36	145.2	37.19
	43	84.0	21.13	100.3	26.68	116.6	32.93	124.5	35.73	132.4	37.49	136.8	38.94	139.3	39.40
46	78.7	23.78	94.0	30.38	109.2	37.52	116.7	40.52	120.3	41.66	124.8	42.74	127.2	42.80	
48	69.6	20.78	83.2	26.58	96.6	32.83	103.2	35.35	104.5	35.90	108.5	36.80	110.5	36.84	
80	10	78.5	8.19	93.6	9.84	108.7	11.54	116.5	12.46	124.3	13.37	139.4	15.25	154.4	16.56
	12	78.5	8.36	93.6	9.96	108.7	11.77	116.5	12.68	124.3	13.60	139.4	15.52	154.4	16.88
	14	78.5	8.47	93.6	10.19	108.7	11.94	116.5	12.91	124.3	13.82	139.4	15.82	154.4	17.21
	16	78.5	8.59	93.6	10.36	108.7	12.17	116.5	13.14	124.3	14.11	139.4	16.15	154.4	17.54
	18	78.5	8.76	93.6	10.53	108.7	12.41	116.5	13.37	124.3	14.39	139.4	16.44	154.4	17.92
	20	78.5	8.93	93.6	10.76	108.7	12.68	116.5	13.65	124.3	14.68	139.4	17.06	154.4	18.98
	21	78.5	8.99	93.6	10.86	108.7	12.80	116.5	13.82	124.3	15.01	139.4	17.61	154.4	19.49
	23	78.5	9.15	93.6	11.03	108.7	13.37	116.5	14.68	124.3	16.04	139.4	18.59	154.4	20.45
	25	78.5	9.50	93.6	11.77	108.7	14.34	116.5	15.70	124.3	17.18	139.4	19.90	154.4	21.86
	27	78.5	10.06	93.6	12.51	108.7	15.31	116.5	16.78	124.3	18.32	139.4	21.13	154.4	23.01
	29	78.5	10.70	93.6	13.37	108.7	16.27	116.5	17.86	124.3	19.57	139.4	22.64	154.4	24.62
	31	78.5	11.37	93.6	14.17	108.7	17.35	116.5	19.06	124.3	20.82	139.4	24.03	154.4	25.85
	33	78.5	12.06	93.6	15.13	108.7	18.49	116.5	20.30	124.3	22.18	139.4	25.31	154.4	27.10
	35	78.5	12.80	93.6	16.04	108.7	19.68	116.5	21.61	124.3	23.66	139.4	26.85	152.8	28.09
	37	78.5	13.54	93.6	17.05	108.7	20.87	116.5	22.98	124.3	25.14	139.4	28.34	150.4	29.38
	39	78.5	14.30	93.6	18.02	108.7	22.33	116.5	24.70	124.3	27.02	139.4	29.94	147.8	30.98
	41	76.5	15.83	91.2	19.98	105.9	24.51	113.5	27.08	121.1	29.69	135.8	33.31	141.7	34.34
	43	74.6	17.42	89.0	21.80	103.3	26.75	110.7	29.52	118.1	32.45	132.4	35.64	135.8	36.77
46	69.9	19.39	83.3	24.56	96.8	30.13	103.7	32.85	110.7	36.61	121.1	38.91	123.9	39.53	
48	61.9	16.93	73.7	21.47	85.6	26.36	91.8	28.69	97.9	32.05	105.2	33.67	107.7	34.03	

# 7. Capacity Tables

Cooling Capacity (52HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	68.6	7.23	82.2	8.59	95.2	9.97	101.9	10.76	108.7	11.50	121.7	13.11	135.2	14.66
	12	68.6	7.34	82.2	8.72	95.2	10.20	101.9	10.94	108.7	11.74	121.7	13.32	135.2	14.93
	14	68.6	7.47	82.2	8.83	95.2	10.37	101.9	11.11	108.7	11.91	121.7	13.62	135.2	15.21
	16	68.6	7.57	82.2	9.00	95.2	10.54	101.9	11.33	108.7	12.13	121.7	13.84	135.2	15.53
	18	68.6	7.68	82.2	9.17	95.2	10.76	101.9	11.56	108.7	12.36	121.7	14.06	135.2	15.81
	20	68.6	7.81	82.2	9.34	95.2	10.94	101.9	11.79	108.7	12.64	121.7	14.40	135.2	16.40
	21	68.6	7.91	82.2	9.40	95.2	11.05	101.9	11.91	108.7	12.76	121.7	14.64	135.2	16.75
	23	68.6	8.04	82.2	9.62	95.2	11.28	101.9	12.30	108.7	13.38	121.7	15.66	135.2	17.68
	25	68.6	8.15	82.2	9.97	95.2	12.02	101.9	13.15	108.7	14.30	121.7	16.74	135.2	18.55
	27	68.6	8.59	82.2	10.65	95.2	12.81	101.9	13.96	108.7	15.27	121.7	17.89	135.2	19.70
	29	68.6	9.17	82.2	11.28	95.2	13.62	101.9	14.87	108.7	16.23	121.7	19.08	135.2	21.11
	31	68.6	9.74	82.2	12.02	95.2	14.53	101.9	15.89	108.7	17.31	121.7	20.34	135.2	22.41
	33	68.6	10.31	82.2	12.70	95.2	15.44	101.9	16.86	108.7	18.40	121.7	21.64	135.2	23.85
	35	68.6	10.88	82.2	13.55	95.2	16.40	101.9	17.94	108.7	19.60	121.7	23.06	135.2	25.29
	37	68.6	11.56	82.2	14.36	95.2	17.43	101.9	19.08	108.7	20.85	121.7	24.55	135.2	26.70
	39	68.6	12.27	82.2	15.31	95.2	18.63	101.9	20.53	108.7	22.52	121.7	26.27	135.2	28.78
	41	66.9	13.58	80.0	16.77	92.7	20.45	99.3	22.51	105.9	24.48	118.6	28.85	131.7	31.04
	43	65.3	14.78	78.0	18.28	90.4	22.30	96.9	24.55	103.3	26.74	115.7	31.53	128.4	33.57
46	61.1	16.42	73.2	20.55	84.8	25.12	90.7	27.35	96.8	30.14	108.3	35.55	120.4	37.41	
48	54.1	14.33	64.7	17.95	75.0	21.96	80.3	23.89	85.6	26.36	95.8	31.11	106.6	32.38	
60	10	58.8	6.27	70.2	7.35	81.6	8.56	87.4	9.18	93.1	9.76	104.5	11.07	116.0	12.37
	12	58.8	6.39	70.2	7.48	81.6	8.67	87.4	9.31	93.1	9.93	104.5	11.24	116.0	12.60
	14	58.8	6.44	70.2	7.59	81.6	8.84	87.4	9.47	93.1	10.10	104.5	11.46	116.0	12.83
	16	58.8	6.56	70.2	7.76	81.6	8.95	87.4	9.64	93.1	10.32	104.5	11.69	116.0	13.07
	18	58.8	6.67	70.2	7.86	81.6	9.12	87.4	9.81	93.1	10.49	104.5	11.86	116.0	13.35
	20	58.8	6.79	70.2	7.98	81.6	9.31	87.4	9.98	93.1	10.66	104.5	12.10	116.0	13.63
	21	58.8	6.84	70.2	8.04	81.6	9.41	87.4	10.10	93.1	10.77	104.5	12.26	116.0	13.74
	23	58.8	6.96	70.2	8.22	81.6	9.52	87.4	10.27	93.1	11.01	104.5	12.73	116.0	14.60
	25	58.8	7.07	70.2	8.39	81.6	9.93	87.4	10.77	93.1	11.69	104.5	13.58	116.0	15.62
	27	58.8	7.31	70.2	8.84	81.6	10.56	87.4	11.46	93.1	12.43	104.5	14.42	116.0	16.66
	29	58.8	7.76	70.2	9.41	81.6	11.24	87.4	12.20	93.1	13.24	104.5	15.40	116.0	17.79
	31	58.8	8.22	70.2	9.98	81.6	11.92	87.4	13.00	93.1	14.08	104.5	16.42	116.0	18.93
	33	58.8	8.67	70.2	10.56	81.6	12.66	87.4	13.80	93.1	15.00	104.5	17.45	116.0	20.18
	35	58.8	9.18	70.2	11.24	81.6	13.45	87.4	14.66	93.1	15.91	104.5	18.59	116.0	21.44
	37	58.8	9.69	70.2	11.86	81.6	14.25	87.4	15.57	93.1	16.88	104.5	19.73	116.0	22.81
	39	58.8	10.31	70.2	12.62	81.6	15.38	87.4	16.70	93.1	18.16	104.5	21.16	116.0	24.44
	41	57.2	11.18	68.4	13.82	79.6	16.72	85.1	18.25	90.7	19.71	101.8	23.22	113.1	26.56
	43	55.9	12.15	66.7	15.04	77.6	18.22	83.0	19.88	88.4	21.51	99.3	25.35	110.2	29.02
46	52.4	13.61	62.5	16.89	72.8	20.49	77.8	22.35	82.9	24.20	93.1	28.56	103.3	33.06	
48	46.3	11.86	55.3	14.74	64.3	17.91	68.9	19.52	73.3	21.14	82.3	24.98	91.4	28.93	
50	10	49.1	5.43	58.8	6.28	68.1	7.14	72.8	7.65	77.5	8.10	86.8	9.14	96.7	10.17
	12	49.1	5.48	58.8	6.34	68.1	7.26	72.8	7.77	77.5	8.28	86.8	9.31	96.7	10.34
	14	49.1	5.54	58.8	6.45	68.1	7.36	72.8	7.88	77.5	8.39	86.8	9.43	96.7	10.51
	16	49.1	5.65	58.8	6.57	68.1	7.48	72.8	8.05	77.5	8.51	86.8	9.60	96.7	10.68
	18	49.1	5.71	58.8	6.62	68.1	7.60	72.8	8.17	77.5	8.68	86.8	9.77	96.7	10.91
	20	49.1	5.77	58.8	6.74	68.1	7.77	72.8	8.28	77.5	8.86	86.8	9.94	96.7	11.14
	21	49.1	5.83	58.8	6.79	68.1	7.83	72.8	8.39	77.5	8.91	86.8	10.05	96.7	11.25
	23	49.1	5.93	58.8	6.91	68.1	7.94	72.8	8.51	77.5	9.08	86.8	10.22	96.7	11.48
	25	49.1	6.00	58.8	7.02	68.1	8.10	72.8	8.68	77.5	9.36	86.8	10.73	96.7	12.28
	27	49.1	6.11	58.8	7.26	68.1	8.56	72.8	9.25	77.5	9.94	86.8	11.48	96.7	13.07
	29	49.1	6.45	58.8	7.71	68.1	9.08	72.8	9.82	77.5	10.56	86.8	12.17	96.7	13.88
	31	49.1	6.79	58.8	8.17	68.1	9.64	72.8	10.39	77.5	11.25	86.8	12.96	96.7	14.79
	33	49.1	7.19	58.8	8.62	68.1	10.22	72.8	11.03	77.5	11.94	86.8	13.77	96.7	15.77
	35	49.1	7.60	58.8	9.14	68.1	10.79	72.8	11.71	77.5	12.62	86.8	14.56	96.7	16.73
	37	49.1	8.05	58.8	9.64	68.1	11.43	72.8	12.39	77.5	13.36	86.8	15.53	96.7	17.77
	39	49.1	8.58	58.8	10.34	68.1	12.24	72.8	13.34	77.5	14.34	86.8	16.55	96.7	19.18
	41	47.8	9.29	57.2	11.20	66.3	13.38	70.9	14.45	75.4	15.53	84.6	18.14	94.2	20.83
	43	46.8	10.10	55.9	12.18	64.7	14.55	69.2	15.73	73.7	16.92	82.5	19.78	91.9	22.72
46	43.8	11.31	52.4	13.66	60.7	16.33	64.8	17.66	68.9	18.99	77.3	22.26	86.2	25.58	
48	38.7	9.85	46.3	11.92	53.7	14.25	57.3	15.41	61.1	16.57	68.5	19.44	76.2	22.36	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN540BTE5

Cooling Capacity (54HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	138.2	15.62	164.7	19.09	176.4	22.14	181.5	22.60	186.6	22.78	195.6	22.96	200.7	23.05
	12	138.2	16.01	164.7	19.77	176.4	23.05	181.5	23.21	186.6	23.40	195.6	23.58	200.7	23.79
	14	138.2	16.55	164.7	20.49	176.4	23.92	181.5	24.09	186.6	24.29	195.6	24.49	200.7	24.71
	16	138.2	17.15	164.7	21.21	176.4	25.00	181.5	25.23	186.6	25.43	195.6	25.66	200.7	25.85
	18	138.2	17.87	164.7	22.43	176.4	26.15	181.5	26.70	186.6	26.92	195.6	27.19	200.7	27.38
	20	138.2	18.66	164.7	23.90	176.4	27.44	181.5	29.37	186.6	29.62	192.7	29.91	197.8	30.12
	21	138.2	19.15	164.7	24.73	176.4	28.01	181.5	31.09	186.6	31.34	191.7	31.65	196.7	31.88
	23	138.2	20.54	164.7	26.02	176.4	29.46	181.5	34.31	184.2	34.59	188.8	34.92	193.9	35.17
	25	138.2	21.94	164.7	27.52	176.4	31.49	179.4	38.05	181.5	38.35	186.6	38.73	191.7	39.00
	27	138.2	23.48	164.7	29.41	174.2	33.55	176.4	41.89	179.4	42.22	184.2	42.64	188.8	42.93
	29	138.2	25.02	164.7	31.45	171.4	36.09	173.9	46.04	176.4	46.32	181.5	46.72	186.6	46.91
	31	138.2	26.70	164.1	33.12	168.6	38.39	171.4	45.83	173.9	46.11	178.7	46.53	183.7	46.72
	33	138.2	28.45	161.3	35.10	166.3	41.18	169.0	45.42	171.4	45.70	176.4	46.10	180.9	46.28
	35	138.2	30.32	158.4	36.76	163.5	44.60	166.3	44.83	169.0	45.10	173.7	45.50	178.7	45.68
	37	138.2	32.34	156.2	38.57	161.3	44.01	163.5	44.24	166.3	44.50	170.8	44.89	175.9	45.07
	39	138.2	34.43	153.4	40.61	158.4	43.43	161.3	43.65	163.5	43.90	168.6	44.30	173.7	44.47
	41	134.7	36.54	147.1	42.63	152.1	42.84	154.3	43.06	157.3	43.31	162.0	43.70	166.5	43.88
	43	131.4	38.53	140.9	42.04	145.8	42.25	148.0	42.46	151.0	42.71	155.7	43.10	159.9	43.26
46	123.1	41.24	128.6	41.16	133.2	41.36	135.3	41.57	138.1	41.82	142.5	42.21	146.4	42.36	
48	108.9	40.09	111.6	40.22	115.8	40.29	117.6	40.41	120.2	40.76	124.0	41.01	127.5	41.17	
120	10	127.8	14.06	152.1	17.24	166.1	20.47	171.2	22.13	176.2	22.48	185.8	22.56	190.4	22.75
	12	127.8	14.44	152.1	17.81	166.1	21.29	171.2	22.59	176.2	23.31	185.8	23.60	190.4	23.78
	14	127.8	14.93	152.1	18.42	166.1	22.16	171.2	23.46	176.2	24.16	185.8	24.52	190.4	24.72
	16	127.8	15.47	152.1	19.17	166.1	23.01	171.2	24.32	176.2	25.29	185.8	25.59	190.4	25.79
	18	127.8	16.07	152.1	20.04	166.1	23.94	171.2	25.62	176.2	26.57	185.8	26.89	190.4	27.10
	20	127.8	16.69	152.1	21.25	166.1	25.22	171.2	26.96	176.2	28.00	185.8	28.36	190.4	28.59
	21	127.8	17.19	152.1	22.01	166.1	25.94	171.2	27.74	176.2	28.91	185.8	29.27	190.4	29.50
	23	127.8	18.38	152.1	23.54	166.1	27.78	171.2	29.48	176.2	30.82	185.8	31.13	190.4	31.39
	25	127.8	19.63	152.1	25.22	166.1	29.31	171.2	31.43	176.2	33.05	183.6	33.32	188.1	33.60
	27	127.8	20.96	152.1	26.97	166.1	31.19	171.2	33.57	176.2	35.52	180.8	35.76	185.4	36.05
	29	127.8	22.36	152.1	28.78	166.1	32.83	171.2	35.93	173.4	37.85	177.9	38.43	183.0	38.73
	31	127.8	23.83	152.1	30.75	166.1	34.52	168.9	38.50	171.2	40.61	175.7	41.33	180.2	41.66
	33	127.8	25.36	152.1	32.77	163.8	36.52	166.1	41.78	168.3	43.61	172.8	44.10	177.3	44.45
	35	127.8	26.97	152.1	34.94	161.1	38.65	163.3	46.04	166.1	46.26	170.6	46.41	175.1	46.77
	37	127.8	29.01	152.1	36.86	158.8	41.21	161.1	45.07	163.3	45.28	167.8	45.43	172.3	45.79
	39	127.8	31.23	151.5	38.96	156.0	43.71	158.2	44.14	160.5	44.37	165.6	44.49	170.1	44.85
	41	124.6	33.45	144.9	41.06	149.8	42.84	151.8	43.22	154.1	43.43	158.5	43.56	163.1	43.90
	43	121.5	35.71	138.8	40.48	143.6	41.89	145.7	42.29	147.9	42.50	152.1	42.63	156.6	42.97
46	113.9	38.39	126.5	39.51	131.1	40.57	133.1	40.90	135.0	41.10	139.2	41.23	143.3	41.55	
48	100.8	37.62	109.8	38.81	114.0	39.77	115.7	40.02	117.5	40.15	121.1	40.30	124.7	40.46	
110	10	117.0	12.64	139.5	15.42	155.7	18.30	160.2	19.81	170.4	21.32	174.3	21.91	186.1	22.27
	12	117.0	13.04	139.5	15.93	155.7	19.07	160.2	20.37	170.4	22.12	174.3	22.83	186.1	23.36
	14	117.0	13.44	139.5	16.65	155.7	19.92	160.2	21.38	170.4	23.24	174.3	23.90	186.1	24.40
	16	117.0	13.92	139.5	17.24	155.7	20.75	160.2	22.32	170.4	24.31	174.3	24.97	186.1	25.40
	18	117.0	14.44	139.5	17.96	155.7	21.94	160.2	23.50	170.4	25.64	174.3	26.15	186.1	26.64
	20	117.0	14.95	139.5	18.87	155.7	23.27	160.2	24.58	170.4	26.89	174.3	27.55	186.1	28.00
	21	117.0	15.29	139.5	19.43	155.7	23.86	160.2	25.23	170.4	27.64	174.3	28.33	186.1	28.78
	23	117.0	16.28	139.5	20.83	155.7	25.20	160.2	26.64	170.4	29.19	174.3	29.82	186.1	30.31
	25	117.0	17.40	139.5	22.23	155.7	26.62	160.2	28.16	170.4	30.84	174.3	31.29	183.9	31.92
	27	117.0	18.58	139.5	23.76	155.7	28.13	160.2	29.80	170.4	32.21	174.3	32.95	181.2	33.51
	29	117.0	19.85	139.5	25.36	155.7	29.73	160.2	31.56	170.4	34.04	174.3	34.63	178.8	35.14
	31	117.0	21.10	139.5	27.05	155.7	31.42	160.2	33.45	167.6	35.77	172.1	36.48	176.0	36.86
	33	117.0	22.50	139.5	28.78	155.7	33.19	160.2	35.44	165.3	37.77	169.2	38.40	173.7	38.62
	35	117.0	23.90	139.5	30.75	155.7	35.05	160.2	37.56	162.5	39.87	166.5	40.23	171.0	40.42
	37	117.0	25.33	139.5	32.63	155.7	37.00	158.0	39.79	159.7	42.04	164.2	42.18	168.1	42.31
	39	117.0	27.31	139.5	34.68	153.0	39.05	155.2	42.57	157.5	44.13	161.4	44.20	165.9	44.24
	41	114.0	29.28	135.9	36.72	146.4	41.17	148.7	46.04	150.6	46.04	155.1	46.41	158.9	46.77
	43	111.2	30.75	132.6	38.26	140.4	43.67	142.6	44.16	144.5	44.07	148.8	44.30	152.5	44.43
46	104.2	30.01	124.2	36.93	128.0	41.44	130.2	41.44	131.9	41.80	135.9	42.03	139.5	42.14	
48	92.2	29.14	108.0	35.59	111.2	39.43	113.2	39.69	114.7	39.89	118.3	40.00	121.4	40.15	

# 7. Capacity Tables

Cooling Capacity (54HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	102.1	11.38	121.5	13.83	141.5	16.42	151.2	17.73	160.9	19.06	178.4	21.21	182.3	21.38
	12	102.1	11.74	121.5	14.40	141.5	16.97	151.2	18.22	160.9	19.66	178.4	22.36	182.3	22.57
	14	102.1	12.12	121.5	14.97	141.5	17.69	151.2	19.00	160.9	20.51	178.4	23.60	182.3	23.82
	16	102.1	12.49	121.5	15.48	141.5	18.44	151.2	19.90	160.9	21.61	178.4	24.75	182.3	25.09
	18	102.1	12.85	121.5	16.05	141.5	19.16	151.2	20.87	160.9	22.92	178.4	26.15	182.3	26.35
	20	102.1	13.31	121.5	16.65	141.5	20.27	151.2	22.36	160.9	24.53	178.4	27.39	182.3	27.61
	21	102.1	13.59	121.5	17.05	141.5	20.96	151.2	23.14	160.9	25.43	178.4	28.02	182.3	28.24
	23	102.1	14.40	121.5	18.24	141.5	22.50	151.2	24.81	160.9	27.25	178.4	29.34	182.3	29.58
	25	102.1	15.30	121.5	19.43	141.5	24.03	151.2	26.56	160.9	29.14	178.4	30.59	180.9	30.84
	27	102.1	16.36	121.5	20.76	141.5	25.72	151.2	28.37	160.9	30.98	175.0	32.03	178.6	32.29
	29	102.1	17.40	121.5	22.15	141.5	27.47	151.2	30.32	160.9	32.79	171.7	33.32	175.9	33.59
	31	102.1	18.58	121.5	23.63	141.5	29.28	151.2	32.36	160.9	34.46	169.2	34.61	173.2	34.89
	33	102.1	19.71	121.5	25.16	141.5	31.24	151.2	34.52	160.9	35.76	166.5	35.90	170.5	36.18
	35	102.1	20.96	121.5	26.76	141.5	33.25	151.2	36.82	158.4	37.05	163.4	37.20	167.5	37.49
	37	102.1	22.46	121.5	28.71	141.5	35.23	151.2	38.58	155.9	38.77	160.3	38.92	164.2	39.28
	39	102.1	24.07	121.5	30.84	141.5	37.33	151.2	40.46	153.3	40.64	157.8	40.81	161.5	41.18
	41	100.4	25.69	119.6	32.96	139.2	39.44	145.1	42.35	148.2	42.52	151.7	42.67	156.6	43.07
	43	97.0	27.19	115.5	34.95	134.5	41.33	139.1	43.97	140.7	44.13	145.1	44.27	148.9	44.69
46	90.9	29.24	108.2	37.67	126.0	43.84	126.9	46.04	128.4	46.17	132.5	46.30	136.1	46.74	
48	80.4	25.26	95.7	32.60	108.8	37.48	110.4	39.06	111.6	39.19	115.2	39.28	118.3	39.59	
90	10	91.8	10.01	109.6	12.05	127.4	14.20	136.1	15.30	144.7	16.47	162.5	18.44	180.4	20.50
	12	91.8	10.14	109.6	12.23	127.4	14.44	136.1	15.61	144.7	16.84	162.5	18.80	180.4	20.86
	14	91.8	10.33	109.6	12.47	127.4	14.76	136.1	15.92	144.7	17.15	162.5	19.16	180.4	21.28
	16	91.8	10.51	109.6	12.72	127.4	15.05	136.1	16.22	144.7	17.46	162.5	19.53	180.4	21.65
	18	91.8	10.70	109.6	12.97	127.4	15.30	136.1	16.60	144.7	17.82	162.5	19.96	180.4	22.74
	20	91.8	10.88	109.6	13.21	127.4	15.61	136.1	16.90	144.7	18.50	162.5	21.35	180.4	23.83
	21	91.8	11.00	109.6	13.34	127.4	15.92	136.1	17.46	144.7	19.18	162.5	21.70	180.4	24.37
	23	91.8	11.25	109.6	13.89	127.4	17.03	136.1	18.75	144.7	20.53	162.5	23.02	177.9	25.52
	25	91.8	11.80	109.6	14.82	127.4	18.19	136.1	20.04	144.7	21.94	162.5	24.61	175.3	26.61
	27	91.8	12.60	109.6	15.79	127.4	19.42	136.1	21.39	144.7	23.48	162.5	26.16	172.8	27.86
	29	91.8	13.34	109.6	16.84	127.4	20.77	136.1	22.86	144.7	25.08	162.5	27.72	170.1	28.98
	31	91.8	14.20	109.6	17.95	127.4	22.13	136.1	24.34	144.7	26.73	162.5	29.11	167.6	30.12
	33	91.8	15.12	109.6	19.11	127.4	23.61	136.1	25.93	144.7	28.36	162.5	30.50	165.0	31.23
	35	91.8	16.05	109.6	20.28	127.4	25.08	136.1	27.66	144.7	30.07	159.7	32.26	162.5	32.99
	37	91.8	17.03	109.6	21.57	127.4	26.74	136.1	29.38	144.7	31.74	157.2	33.72	159.9	34.47
	39	91.8	18.03	109.6	22.94	127.4	28.29	136.1	31.27	144.7	33.37	154.6	35.55	157.3	35.98
	41	89.5	20.17	106.8	25.43	124.2	31.06	132.6	34.19	141.0	36.04	148.1	37.46	150.8	38.33
	43	87.3	21.78	104.1	27.49	121.1	33.93	129.3	36.82	137.5	38.64	142.0	40.13	144.6	40.60
46	81.8	24.50	97.6	31.31	113.4	38.66	121.2	41.75	125.0	42.93	129.6	44.04	132.1	44.10	
48	72.3	21.41	86.4	27.39	100.4	33.83	107.1	36.42	108.5	36.99	112.7	37.91	114.8	37.96	
80	10	81.5	8.44	97.2	10.14	112.9	11.90	121.0	12.84	129.1	13.78	144.7	15.71	160.4	17.06
	12	81.5	8.61	97.2	10.26	112.9	12.13	121.0	13.07	129.1	14.01	144.7	16.00	160.4	17.40
	14	81.5	8.73	97.2	10.50	112.9	12.31	121.0	13.30	129.1	14.24	144.7	16.30	160.4	17.74
	16	81.5	8.85	97.2	10.67	112.9	12.54	121.0	13.55	129.1	14.54	144.7	16.64	160.4	18.07
	18	81.5	9.02	97.2	10.85	112.9	12.78	121.0	13.78	129.1	14.83	144.7	16.94	160.4	18.47
	20	81.5	9.20	97.2	11.08	112.9	13.07	121.0	14.06	129.1	15.13	144.7	17.58	160.4	19.56
	21	81.5	9.27	97.2	11.19	112.9	13.19	121.0	14.24	129.1	15.47	144.7	18.15	160.4	20.08
	23	81.5	9.43	97.2	11.37	112.9	13.78	121.0	15.13	129.1	16.53	144.7	19.16	160.4	21.08
	25	81.5	9.79	97.2	12.13	112.9	14.78	121.0	16.18	129.1	17.71	144.7	20.50	160.4	22.53
	27	81.5	10.37	97.2	12.89	112.9	15.77	121.0	17.30	129.1	18.88	144.7	21.78	160.4	23.71
	29	81.5	11.03	97.2	13.78	112.9	16.77	121.0	18.41	129.1	20.17	144.7	23.33	160.4	25.37
	31	81.5	11.72	97.2	14.60	112.9	17.88	121.0	19.64	129.1	21.46	144.7	24.77	160.4	26.64
	33	81.5	12.43	97.2	15.60	112.9	19.05	121.0	20.92	129.1	22.85	144.7	26.09	160.4	27.93
	35	81.5	13.19	97.2	16.53	112.9	20.28	121.0	22.27	129.1	24.39	144.7	27.67	158.7	28.94
	37	81.5	13.96	97.2	17.58	112.9	21.51	121.0	23.68	129.1	25.91	144.7	29.20	156.1	30.27
	39	81.5	14.74	97.2	18.58	112.9	23.01	121.0	25.46	129.1	27.84	144.7	30.86	153.5	31.93
	41	79.5	16.31	94.7	20.59	110.0	25.26	117.9	27.90	125.7	30.60	141.0	34.33	147.1	35.39
	43	77.4	17.96	92.4	22.47	107.3	27.57	114.9	30.42	122.7	33.44	137.5	36.73	141.0	37.89
46	72.6	19.98	86.6	25.31	100.5	31.06	107.7	33.85	114.9	37.73	125.7	40.10	128.7	40.74	
48	64.3	17.44	76.5	22.13	88.9	27.17	95.4	29.57	101.7	33.03	109.2	34.70	111.9	35.07	

# 7. Capacity Tables

Cooling Capacity (54HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	71.3	7.45	85.3	8.86	98.8	10.27	105.8	11.10	112.9	11.86	126.4	13.51	140.4	15.10
	12	71.3	7.57	85.3	8.99	98.8	10.51	105.8	11.27	112.9	12.10	126.4	13.73	140.4	15.38
	14	71.3	7.70	85.3	9.10	98.8	10.68	105.8	11.45	112.9	12.28	126.4	14.03	140.4	15.67
	16	71.3	7.80	85.3	9.28	98.8	10.86	105.8	11.68	112.9	12.50	126.4	14.27	140.4	16.01
	18	71.3	7.92	85.3	9.45	98.8	11.10	105.8	11.92	112.9	12.74	126.4	14.49	140.4	16.29
	20	71.3	8.05	85.3	9.63	98.8	11.27	105.8	12.15	112.9	13.03	126.4	14.85	140.4	16.91
	21	71.3	8.16	85.3	9.69	98.8	11.39	105.8	12.28	112.9	13.16	126.4	15.09	140.4	17.26
	23	71.3	8.28	85.3	9.91	98.8	11.62	105.8	12.68	112.9	13.79	126.4	16.14	140.4	18.23
	25	71.3	8.40	85.3	10.27	98.8	12.38	105.8	13.56	112.9	14.74	126.4	17.26	140.4	19.12
	27	71.3	8.86	85.3	10.98	98.8	13.20	105.8	14.39	112.9	15.73	126.4	18.44	140.4	20.31
	29	71.3	9.45	85.3	11.62	98.8	14.03	105.8	15.32	112.9	16.73	126.4	19.67	140.4	21.75
	31	71.3	10.04	85.3	12.38	98.8	14.97	105.8	16.38	112.9	17.84	126.4	20.96	140.4	23.10
	33	71.3	10.63	85.3	13.09	98.8	15.91	105.8	17.38	112.9	18.97	126.4	22.31	140.4	24.58
	35	71.3	11.21	85.3	13.97	98.8	16.91	105.8	18.49	112.9	20.20	126.4	23.77	140.4	26.07
	37	71.3	11.92	85.3	14.80	98.8	17.96	105.8	19.67	112.9	21.49	126.4	25.31	140.4	27.52
	39	71.3	12.65	85.3	15.78	98.8	19.21	105.8	21.16	112.9	23.21	126.4	27.08	140.4	29.67
	41	69.5	13.99	83.1	17.29	96.3	21.07	103.1	23.20	110.0	25.23	123.1	29.73	136.8	32.00
	43	67.8	15.23	81.0	18.84	93.9	22.98	100.6	25.31	107.3	27.56	120.1	32.49	133.4	34.60
46	63.5	16.92	76.0	21.18	88.0	25.89	94.2	28.19	100.5	31.06	112.5	36.64	125.1	38.56	
48	56.2	14.77	67.2	18.50	77.9	22.63	83.4	24.62	88.9	27.17	99.5	32.07	110.7	33.37	
60	10	61.0	6.47	72.9	7.58	84.8	8.82	90.7	9.46	96.7	10.06	108.5	11.41	120.4	12.76
	12	61.0	6.58	72.9	7.71	84.8	8.94	90.7	9.59	96.7	10.24	108.5	11.58	120.4	12.99
	14	61.0	6.64	72.9	7.82	84.8	9.11	90.7	9.76	96.7	10.41	108.5	11.81	120.4	13.22
	16	61.0	6.76	72.9	8.00	84.8	9.23	90.7	9.93	96.7	10.64	108.5	12.05	120.4	13.47
	18	61.0	6.88	72.9	8.11	84.8	9.41	90.7	10.11	96.7	10.81	108.5	12.23	120.4	13.76
	20	61.0	7.00	72.9	8.22	84.8	9.59	90.7	10.28	96.7	10.99	108.5	12.47	120.4	14.05
	21	61.0	7.05	72.9	8.29	84.8	9.70	90.7	10.41	96.7	11.11	108.5	12.64	120.4	14.16
	23	61.0	7.18	72.9	8.47	84.8	9.82	90.7	10.59	96.7	11.35	108.5	13.12	120.4	15.05
	25	61.0	7.29	72.9	8.64	84.8	10.24	90.7	11.11	96.7	12.05	108.5	14.00	120.4	16.11
	27	61.0	7.53	72.9	9.11	84.8	10.88	90.7	11.81	96.7	12.81	108.5	14.87	120.4	17.17
	29	61.0	8.00	72.9	9.70	84.8	11.58	90.7	12.58	96.7	13.65	108.5	15.87	120.4	18.34
	31	61.0	8.47	72.9	10.28	84.8	12.29	90.7	13.40	96.7	14.51	108.5	16.93	120.4	19.52
	33	61.0	8.94	72.9	10.88	84.8	13.05	90.7	14.22	96.7	15.46	108.5	17.99	120.4	20.80
	35	61.0	9.46	72.9	11.58	84.8	13.87	90.7	15.11	96.7	16.40	108.5	19.16	120.4	22.10
	37	61.0	9.99	72.9	12.23	84.8	14.69	90.7	16.05	96.7	17.40	108.5	20.34	120.4	23.51
	39	61.0	10.63	72.9	13.01	84.8	15.86	90.7	17.22	96.7	18.72	108.5	21.81	120.4	25.19
	41	59.4	11.53	71.1	14.25	82.6	17.23	88.4	18.81	94.2	20.32	105.8	23.93	117.4	27.38
	43	58.0	12.52	69.3	15.51	80.6	18.78	86.2	20.49	91.8	22.17	103.1	26.13	114.4	29.91
46	54.4	14.03	64.9	17.41	75.6	21.12	80.8	23.04	86.1	24.94	96.7	29.44	107.2	34.08	
48	48.1	12.23	57.4	15.20	66.8	18.46	71.5	20.12	76.1	21.80	85.5	25.75	94.9	29.82	
50	10	51.0	5.60	61.0	6.48	70.7	7.37	75.6	7.88	80.5	8.35	90.2	9.43	100.4	10.48
	12	51.0	5.65	61.0	6.53	70.7	7.48	75.6	8.01	80.5	8.54	90.2	9.60	100.4	10.66
	14	51.0	5.71	61.0	6.65	70.7	7.59	75.6	8.13	80.5	8.65	90.2	9.72	100.4	10.83
	16	51.0	5.82	61.0	6.77	70.7	7.71	75.6	8.30	80.5	8.77	90.2	9.89	100.4	11.01
	18	51.0	5.89	61.0	6.83	70.7	7.83	75.6	8.42	80.5	8.95	90.2	10.07	100.4	11.24
	20	51.0	5.95	61.0	6.94	70.7	8.01	75.6	8.54	80.5	9.13	90.2	10.25	100.4	11.49
	21	51.0	6.01	61.0	7.00	70.7	8.07	75.6	8.65	80.5	9.18	90.2	10.36	100.4	11.59
	23	51.0	6.11	61.0	7.12	70.7	8.19	75.6	8.77	80.5	9.36	90.2	10.54	100.4	11.84
	25	51.0	6.18	61.0	7.24	70.7	8.35	75.6	8.95	80.5	9.65	90.2	11.07	100.4	12.66
	27	51.0	6.30	61.0	7.48	70.7	8.83	75.6	9.53	80.5	10.25	90.2	11.84	100.4	13.48
	29	51.0	6.65	61.0	7.95	70.7	9.36	75.6	10.12	80.5	10.89	90.2	12.54	100.4	14.31
	31	51.0	7.00	61.0	8.42	70.7	9.94	75.6	10.72	80.5	11.59	90.2	13.36	100.4	15.25
	33	51.0	7.41	61.0	8.89	70.7	10.54	75.6	11.37	80.5	12.31	90.2	14.19	100.4	16.25
	35	51.0	7.83	61.0	9.43	70.7	11.13	75.6	12.07	80.5	13.01	90.2	15.01	100.4	17.25
	37	51.0	8.30	61.0	9.94	70.7	11.78	75.6	12.78	80.5	13.77	90.2	16.01	100.4	18.31
	39	51.0	8.85	61.0	10.66	70.7	12.62	75.6	13.75	80.5	14.78	90.2	17.06	100.4	19.78
	41	49.7	9.58	59.4	11.55	68.9	13.80	73.7	14.90	78.3	16.01	87.9	18.70	97.8	21.47
	43	48.6	10.41	58.0	12.56	67.2	15.00	71.8	16.21	76.5	17.44	85.7	20.39	95.4	23.42
46	45.4	11.66	54.4	14.08	63.0	16.84	67.3	18.20	71.6	19.57	80.3	22.95	89.5	26.37	
48	40.2	10.16	48.1	12.29	55.8	14.69	59.6	15.89	63.4	17.09	71.1	20.04	79.2	23.05	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN560BTE5

Cooling Capacity (56HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	143.3	16.29	170.8	19.90	183.0	23.09	188.2	23.57	193.5	23.75	202.8	23.95	208.1	24.04
	12	143.3	16.70	170.8	20.61	183.0	24.04	188.2	24.20	193.5	24.40	202.8	24.59	208.1	24.81
	14	143.3	17.25	170.8	21.36	183.0	24.94	188.2	25.13	193.5	25.33	202.8	25.54	208.1	25.77
	16	143.3	17.89	170.8	22.11	183.0	26.07	188.2	26.31	193.5	26.52	202.8	26.76	208.1	26.96
	18	143.3	18.64	170.8	23.39	183.0	27.27	188.2	27.85	193.5	28.07	202.8	28.36	208.1	28.55
	20	143.3	19.46	170.8	24.92	183.0	28.61	188.2	30.63	193.5	30.88	199.9	31.19	205.2	31.41
	21	143.3	19.97	170.8	25.79	183.0	29.21	188.2	32.42	193.5	32.69	198.8	33.00	204.0	33.24
	23	143.3	21.42	170.8	27.14	183.0	30.72	188.2	35.78	191.0	36.07	195.8	36.42	201.1	36.67
	25	143.3	22.88	170.8	28.70	183.0	32.84	186.0	39.68	188.2	39.99	193.5	40.39	198.8	40.67
	27	143.3	24.49	170.8	30.67	180.6	34.99	183.0	43.68	186.0	44.03	191.0	44.47	195.8	44.77
	29	143.3	26.10	170.8	32.79	177.8	37.64	180.3	48.01	183.0	48.30	188.2	48.72	193.5	48.92
	31	143.3	27.84	170.2	34.54	174.8	40.03	177.8	47.80	180.3	48.08	185.3	48.53	190.6	48.72
	33	143.3	29.66	167.2	36.60	172.5	42.95	175.3	47.37	177.8	47.65	183.0	48.08	187.6	48.26
	35	143.3	31.62	164.3	38.33	169.6	46.51	172.5	46.75	175.3	47.03	180.1	47.45	185.3	47.64
	37	143.3	33.73	162.0	40.23	167.2	45.90	169.6	46.13	172.5	46.41	177.2	46.82	182.5	47.00
	39	143.3	35.91	159.1	42.35	164.3	45.29	167.2	45.52	169.6	45.78	174.8	46.20	180.1	46.38
41	139.7	38.10	152.6	44.46	157.7	44.68	160.0	44.90	163.2	45.16	168.0	45.57	172.6	45.76	
43	136.3	40.18	146.1	43.84	151.2	44.06	153.5	44.27	156.6	44.54	161.4	44.95	165.8	45.12	
46	127.7	43.01	133.3	42.92	138.1	43.13	140.3	43.35	143.3	43.61	147.8	44.01	151.8	44.17	
48	112.9	41.81	115.8	41.94	120.1	42.02	122.0	42.14	124.6	42.51	128.6	42.77	132.2	42.93	
120	10	132.6	14.66	157.7	17.97	172.2	21.35	177.5	23.08	182.8	23.44	192.7	23.53	197.4	23.72
	12	132.6	15.06	157.7	18.58	172.2	22.21	177.5	23.56	182.8	24.31	192.7	24.61	197.4	24.79
	14	132.6	15.57	157.7	19.21	172.2	23.11	177.5	24.46	182.8	25.20	192.7	25.57	197.4	25.78
	16	132.6	16.13	157.7	19.99	172.2	24.00	177.5	25.37	182.8	26.37	192.7	26.69	197.4	26.90
	18	132.6	16.76	157.7	20.89	172.2	24.97	177.5	26.71	182.8	27.71	192.7	28.04	197.4	28.26
	20	132.6	17.40	157.7	22.16	172.2	26.30	177.5	28.11	182.8	29.19	192.7	29.57	197.4	29.81
	21	132.6	17.93	157.7	22.96	172.2	27.05	177.5	28.93	182.8	30.15	192.7	30.52	197.4	30.77
	23	132.6	19.16	157.7	24.55	172.2	28.97	177.5	30.75	182.8	32.13	192.7	32.46	197.4	32.73
	25	132.6	20.47	157.7	26.30	172.2	30.57	177.5	32.78	182.8	34.46	190.4	34.75	195.1	35.03
	27	132.6	21.86	157.7	28.13	172.2	32.52	177.5	35.01	182.8	37.04	187.5	37.29	192.2	37.59
	29	132.6	23.32	157.7	30.01	172.2	34.23	177.5	37.47	179.8	39.47	184.5	40.07	189.8	40.39
	31	132.6	24.85	157.7	32.07	172.2	36.00	175.2	40.15	177.5	42.35	182.2	43.10	186.8	43.44
	33	132.6	26.45	157.7	34.18	169.9	38.09	172.2	43.57	174.6	45.47	179.2	45.99	183.9	46.35
	35	132.6	28.13	157.7	36.43	167.1	40.30	169.4	48.01	172.2	48.24	176.9	48.39	181.6	48.77
	37	132.6	30.25	157.7	38.44	164.7	42.97	167.1	46.99	169.4	47.22	174.1	47.37	178.7	47.75
	39	132.6	32.57	157.1	40.63	161.8	45.58	164.1	46.03	166.4	46.27	171.7	46.39	176.4	46.77
41	129.2	34.89	150.3	42.82	155.4	44.68	157.4	45.07	159.8	45.29	164.4	45.43	169.1	45.78	
43	126.0	37.24	143.9	42.21	148.9	43.68	151.1	44.10	153.4	44.32	157.8	44.45	162.4	44.81	
46	118.1	40.03	131.2	41.20	136.0	42.30	138.0	42.65	140.0	42.86	144.3	42.99	148.6	43.33	
48	104.5	39.23	113.9	40.47	118.2	41.47	120.0	41.73	121.8	41.86	125.6	42.03	129.3	42.20	
110	10	121.3	13.18	144.7	16.08	161.5	19.09	166.2	20.66	176.7	22.23	180.8	22.85	193.0	23.23
	12	121.3	13.60	144.7	16.61	161.5	19.88	166.2	21.24	176.7	23.06	180.8	23.81	193.0	24.36
	14	121.3	14.02	144.7	17.36	161.5	20.78	166.2	22.29	176.7	24.23	180.8	24.92	193.0	25.44
	16	121.3	14.52	144.7	17.98	161.5	21.63	166.2	23.27	176.7	25.35	180.8	26.04	193.0	26.49
	18	121.3	15.06	144.7	18.73	161.5	22.88	166.2	24.50	176.7	26.73	180.8	27.27	193.0	27.78
	20	121.3	15.59	144.7	19.68	161.5	24.26	166.2	25.63	176.7	28.04	180.8	28.73	193.0	29.19
	21	121.3	15.94	144.7	20.26	161.5	24.88	166.2	26.31	176.7	28.82	180.8	29.54	193.0	30.01
	23	121.3	16.98	144.7	21.72	161.5	26.28	166.2	27.78	176.7	30.44	180.8	31.09	193.0	31.61
	25	121.3	18.14	144.7	23.18	161.5	27.76	166.2	29.37	176.7	32.16	180.8	32.63	190.7	33.29
	27	121.3	19.38	144.7	24.78	161.5	29.33	166.2	31.08	176.7	33.59	180.8	34.36	187.9	34.94
	29	121.3	20.70	144.7	26.45	161.5	31.00	166.2	32.92	176.7	35.50	180.8	36.12	185.4	36.65
	31	121.3	22.01	144.7	28.20	161.5	32.76	166.2	34.88	173.8	37.30	178.4	38.04	182.5	38.43
	33	121.3	23.47	144.7	30.01	161.5	34.61	166.2	36.96	171.4	39.38	175.5	40.04	180.2	40.27
	35	121.3	24.92	144.7	32.07	161.5	36.55	166.2	39.17	168.5	41.58	172.7	41.95	177.3	42.15
	37	121.3	26.41	144.7	34.03	161.5	38.59	163.8	41.49	165.7	43.84	170.3	43.99	174.4	44.12
	39	121.3	28.48	144.7	36.16	158.7	40.72	161.0	44.39	163.3	46.02	167.4	46.09	172.1	46.14
41	118.2	30.54	140.9	38.29	151.8	42.93	154.2	48.01	156.2	48.01	160.8	48.39	164.8	48.77	
43	115.3	32.07	137.5	39.89	145.6	45.53	147.9	46.05	149.8	45.95	154.3	46.20	158.2	46.33	
46	108.1	31.29	128.8	38.51	132.7	43.22	135.0	43.22	136.8	43.59	141.0	43.83	144.7	43.94	
48	95.6	30.39	112.0	37.11	115.3	41.11	117.4	41.39	119.0	41.59	122.7	41.71	125.9	41.87	

# 7. Capacity Tables

Cooling Capacity (56HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	105.9	11.87	126.0	14.43	146.7	17.12	156.8	18.49	166.9	19.87	185.0	22.12	189.0	22.30
	12	105.9	12.25	126.0	15.01	146.7	17.69	156.8	19.00	166.9	20.50	185.0	23.31	189.0	23.53
	14	105.9	12.64	126.0	15.62	146.7	18.44	156.8	19.81	166.9	21.39	185.0	24.61	189.0	24.84
	16	105.9	13.02	126.0	16.14	146.7	19.23	156.8	20.75	166.9	22.54	185.0	25.81	189.0	26.16
	18	105.9	13.40	126.0	16.74	146.7	19.98	156.8	21.77	166.9	23.90	185.0	27.27	189.0	27.48
	20	105.9	13.88	126.0	17.36	146.7	21.13	156.8	23.32	166.9	25.58	185.0	28.57	189.0	28.79
	21	105.9	14.17	126.0	17.78	146.7	21.86	156.8	24.13	166.9	26.52	185.0	29.22	189.0	29.45
	23	105.9	15.01	126.0	19.02	146.7	23.47	156.8	25.87	166.9	28.42	185.0	30.60	189.0	30.85
	25	105.9	15.96	126.0	20.26	146.7	25.06	156.8	27.69	166.9	30.39	185.0	31.89	187.6	32.16
	27	105.9	17.06	126.0	21.65	146.7	26.82	156.8	29.59	166.9	32.31	181.5	33.40	185.3	33.67
	29	105.9	18.14	126.0	23.09	146.7	28.64	156.8	31.62	166.9	34.19	178.1	34.75	182.5	35.03
	31	105.9	19.38	126.0	24.64	146.7	30.54	156.8	33.74	166.9	35.93	175.4	36.09	179.7	36.39
	33	105.9	20.55	126.0	26.23	146.7	32.58	156.8	36.00	166.9	37.29	172.6	37.44	176.9	37.73
	35	105.9	21.86	126.0	27.91	146.7	34.68	156.8	38.39	164.3	38.63	169.4	38.79	173.7	39.10
	37	105.9	23.42	126.0	29.94	146.7	36.74	156.8	40.23	161.6	40.43	166.3	40.59	170.3	40.96
	39	105.9	25.10	126.0	32.16	146.7	38.93	156.8	42.20	159.0	42.38	163.6	42.55	167.5	42.94
	41	104.1	26.79	124.0	34.37	144.4	41.13	150.4	44.17	153.7	44.34	157.3	44.50	162.4	44.92
	43	100.6	28.35	119.8	36.45	139.5	43.10	144.2	45.85	145.9	46.02	150.4	46.17	154.4	46.60
46	94.3	30.49	112.2	39.28	130.7	45.71	131.6	48.01	133.1	48.15	137.4	48.29	141.1	48.74	
48	83.4	26.34	99.3	34.00	112.8	39.08	114.5	40.73	115.7	40.87	119.5	40.96	122.7	41.29	
90	10	95.2	10.34	113.7	12.44	132.1	14.67	141.1	15.80	150.1	17.01	168.5	19.04	187.1	21.18
	12	95.2	10.47	113.7	12.63	132.1	14.91	141.1	16.12	150.1	17.39	168.5	19.42	187.1	21.54
	14	95.2	10.67	113.7	12.88	132.1	15.24	141.1	16.44	150.1	17.71	168.5	19.79	187.1	21.98
	16	95.2	10.85	113.7	13.14	132.1	15.55	141.1	16.76	150.1	18.03	168.5	20.17	187.1	22.36
	18	95.2	11.05	113.7	13.40	132.1	15.80	141.1	17.15	150.1	18.41	168.5	20.62	187.1	23.49
	20	95.2	11.23	113.7	13.64	132.1	16.12	141.1	17.45	150.1	19.10	168.5	22.06	187.1	24.61
	21	95.2	11.36	113.7	13.77	132.1	16.44	141.1	18.03	150.1	19.81	168.5	22.41	187.1	25.17
	23	95.2	11.62	113.7	14.35	132.1	17.59	141.1	19.36	150.1	21.21	168.5	23.78	184.5	26.36
	25	95.2	12.19	113.7	15.30	132.1	18.79	141.1	20.69	150.1	22.66	168.5	25.42	181.8	27.49
	27	95.2	13.02	113.7	16.31	132.1	20.06	141.1	22.10	150.1	24.25	168.5	27.02	179.2	28.78
	29	95.2	13.77	113.7	17.39	132.1	21.45	141.1	23.61	150.1	25.90	168.5	28.63	176.4	29.93
	31	95.2	14.67	113.7	18.54	132.1	22.86	141.1	25.14	150.1	27.61	168.5	30.06	173.8	31.10
	33	95.2	15.62	113.7	19.74	132.1	24.38	141.1	26.78	150.1	29.29	168.5	31.50	171.1	32.26
	35	95.2	16.57	113.7	20.95	132.1	25.90	141.1	28.56	150.1	31.06	165.7	33.32	168.5	34.08
	37	95.2	17.59	113.7	22.28	132.1	27.62	141.1	30.35	150.1	32.79	163.0	34.83	165.8	35.61
	39	95.2	18.62	113.7	23.69	132.1	29.22	141.1	32.30	150.1	34.47	160.4	36.72	163.2	37.16
	41	92.8	20.83	110.8	26.27	128.8	32.08	137.5	35.32	146.2	37.22	153.6	38.69	156.3	39.58
	43	90.5	22.49	108.0	28.40	125.6	35.04	134.1	38.03	142.6	39.90	147.3	41.44	150.0	41.93
46	84.8	25.31	101.3	32.33	117.6	39.93	125.7	43.12	129.6	44.34	134.4	45.49	137.0	45.55	
48	75.0	22.12	89.6	28.29	104.1	34.94	111.1	37.62	112.5	38.21	116.8	39.16	119.0	39.21	
80	10	84.5	8.74	100.8	10.50	117.1	12.32	125.5	13.30	133.9	14.27	150.1	16.27	166.3	17.67
	12	84.5	8.92	100.8	10.63	117.1	12.56	125.5	13.53	133.9	14.51	150.1	16.57	166.3	18.02
	14	84.5	9.04	100.8	10.87	117.1	12.74	125.5	13.78	133.9	14.75	150.1	16.88	166.3	18.37
	16	84.5	9.16	100.8	11.05	117.1	12.99	125.5	14.03	133.9	15.06	150.1	17.23	166.3	18.72
	18	84.5	9.35	100.8	11.24	117.1	13.24	125.5	14.27	133.9	15.35	150.1	17.55	166.3	19.13
	20	84.5	9.53	100.8	11.48	117.1	13.53	125.5	14.56	133.9	15.67	150.1	18.21	166.3	20.25
	21	84.5	9.60	100.8	11.59	117.1	13.66	125.5	14.75	133.9	16.02	150.1	18.79	166.3	20.80
	23	84.5	9.77	100.8	11.77	117.1	14.27	125.5	15.67	133.9	17.12	150.1	19.84	166.3	21.83
	25	84.5	10.13	100.8	12.56	117.1	15.30	125.5	16.76	133.9	18.34	150.1	21.23	166.3	23.33
	27	84.5	10.74	100.8	13.35	117.1	16.33	125.5	17.91	133.9	19.55	150.1	22.56	166.3	24.56
	29	84.5	11.42	100.8	14.27	117.1	17.37	125.5	19.07	133.9	20.89	150.1	24.17	166.3	26.28
	31	84.5	12.14	100.8	15.12	117.1	18.52	125.5	20.34	133.9	22.22	150.1	25.65	166.3	27.59
	33	84.5	12.88	100.8	16.15	117.1	19.73	125.5	21.67	133.9	23.67	150.1	27.02	166.3	28.93
	35	84.5	13.66	100.8	17.12	117.1	21.01	125.5	23.06	133.9	25.26	150.1	28.65	164.6	29.98
	37	84.5	14.45	100.8	18.20	117.1	22.27	125.5	24.53	133.9	26.83	150.1	30.24	161.9	31.35
	39	84.5	15.26	100.8	19.24	117.1	23.83	125.5	26.36	133.9	28.84	150.1	31.96	159.2	33.07
	41	82.4	16.90	98.2	21.33	114.0	26.16	122.3	28.90	130.4	31.69	146.2	35.56	152.6	36.65
	43	80.3	18.60	95.8	23.27	111.2	28.55	119.2	31.50	127.2	34.63	142.6	38.04	146.2	39.24
46	75.3	20.69	89.8	26.21	104.2	32.16	111.7	35.06	119.2	39.07	130.4	41.53	133.5	42.19	
48	66.7	18.07	79.4	22.92	92.2	28.14	98.9	30.63	105.5	34.20	113.3	35.94	116.0	36.32	



# 7. Capacity Tables

Cooling Capacity (56HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	73.9	7.74	88.5	9.20	102.5	10.67	109.7	11.52	117.1	12.31	131.1	14.03	145.6	15.69
	12	73.9	7.86	88.5	9.33	102.5	10.91	109.7	11.70	117.1	12.57	131.1	14.26	145.6	15.98
	14	73.9	7.99	88.5	9.45	102.5	11.10	109.7	11.89	117.1	12.75	131.1	14.57	145.6	16.28
	16	73.9	8.10	88.5	9.64	102.5	11.28	109.7	12.13	117.1	12.98	131.1	14.82	145.6	16.63
	18	73.9	8.23	88.5	9.82	102.5	11.52	109.7	12.37	117.1	13.23	131.1	15.05	145.6	16.92
	20	73.9	8.36	88.5	10.00	102.5	11.70	109.7	12.62	117.1	13.53	131.1	15.42	145.6	17.56
	21	73.9	8.47	88.5	10.06	102.5	11.83	109.7	12.75	117.1	13.66	131.1	15.67	145.6	17.92
	23	73.9	8.60	88.5	10.29	102.5	12.07	109.7	13.16	117.1	14.32	131.1	16.77	145.6	18.93
	25	73.9	8.72	88.5	10.67	102.5	12.86	109.7	14.08	117.1	15.30	131.1	17.92	145.6	19.85
	27	73.9	9.20	88.5	11.40	102.5	13.71	109.7	14.94	117.1	16.34	131.1	19.15	145.6	21.09
	29	73.9	9.82	88.5	12.07	102.5	14.57	109.7	15.91	117.1	17.37	131.1	20.43	145.6	22.59
	31	73.9	10.43	88.5	12.86	102.5	15.55	109.7	17.01	117.1	18.53	131.1	21.77	145.6	23.98
	33	73.9	11.03	88.5	13.59	102.5	16.52	109.7	18.04	117.1	19.70	131.1	23.17	145.6	25.52
	35	73.9	11.64	88.5	14.51	102.5	17.56	109.7	19.20	117.1	20.97	131.1	24.69	145.6	27.07
	37	73.9	12.37	88.5	15.37	102.5	18.65	109.7	20.43	117.1	22.31	131.1	26.28	145.6	28.57
	39	73.9	13.14	88.5	16.39	102.5	19.94	109.7	21.98	117.1	24.11	131.1	28.12	145.6	30.81
	41	72.0	14.53	86.2	17.95	99.9	21.88	106.9	24.09	114.0	26.20	127.7	30.88	141.9	33.23
	43	70.3	15.82	84.0	19.56	97.4	23.87	104.4	26.28	111.2	28.62	124.6	33.74	138.3	35.93
46	65.8	17.57	78.8	22.00	91.3	26.89	97.7	29.27	104.2	32.25	116.7	38.05	129.7	40.04	
48	58.3	15.34	69.7	19.21	80.7	23.50	86.5	25.57	92.2	28.21	103.2	33.30	114.8	34.66	
60	10	63.3	6.73	75.6	7.89	87.9	9.18	94.1	9.85	100.3	10.48	112.5	11.88	124.9	13.28
	12	63.3	6.85	75.6	8.02	87.9	9.31	94.1	9.99	100.3	10.66	112.5	12.06	124.9	13.53
	14	63.3	6.92	75.6	8.15	87.9	9.49	94.1	10.16	100.3	10.84	112.5	12.30	124.9	13.77
	16	63.3	7.04	75.6	8.33	87.9	9.61	94.1	10.34	100.3	11.08	112.5	12.55	124.9	14.02
	18	63.3	7.16	75.6	8.44	87.9	9.79	94.1	10.53	100.3	11.26	112.5	12.73	124.9	14.33
	20	63.3	7.29	75.6	8.56	87.9	9.99	94.1	10.71	100.3	11.44	112.5	12.99	124.9	14.62
	21	63.3	7.34	75.6	8.63	87.9	10.10	94.1	10.84	100.3	11.56	112.5	13.16	124.9	14.75
	23	63.3	7.47	75.6	8.82	87.9	10.22	94.1	11.02	100.3	11.82	112.5	13.66	124.9	15.67
	25	63.3	7.59	75.6	9.00	87.9	10.66	94.1	11.56	100.3	12.55	112.5	14.57	124.9	16.77
	27	63.3	7.84	75.6	9.49	87.9	11.33	94.1	12.30	100.3	13.34	112.5	15.48	124.9	17.88
	29	63.3	8.33	75.6	10.10	87.9	12.06	94.1	13.10	100.3	14.21	112.5	16.53	124.9	19.10
	31	63.3	8.82	75.6	10.71	87.9	12.79	94.1	13.95	100.3	15.11	112.5	17.62	124.9	20.32
	33	63.3	9.31	75.6	11.33	87.9	13.59	94.1	14.81	100.3	16.10	112.5	18.73	124.9	21.66
	35	63.3	9.85	75.6	12.06	87.9	14.44	94.1	15.73	100.3	17.08	112.5	19.95	124.9	23.02
	37	63.3	10.40	75.6	12.73	87.9	15.30	94.1	16.71	100.3	18.11	112.5	21.17	124.9	24.48
	39	63.3	11.07	75.6	13.54	87.9	16.51	94.1	17.93	100.3	19.50	112.5	22.71	124.9	26.23
	41	61.6	12.00	73.7	14.83	85.7	17.94	91.6	19.59	97.7	21.16	109.7	24.92	121.8	28.51
	43	60.2	13.04	71.9	16.14	83.5	19.56	89.4	21.34	95.2	23.09	106.9	27.20	118.7	31.15
46	56.4	14.61	67.3	18.13	78.4	21.99	83.8	23.99	89.3	25.97	100.3	30.66	111.2	35.49	
48	49.9	12.73	59.6	15.82	69.2	19.22	74.2	20.95	78.9	22.70	88.7	26.81	98.4	31.05	
50	10	52.9	5.84	63.3	6.76	73.3	7.69	78.4	8.23	83.5	8.72	93.5	9.84	104.1	10.94
	12	52.9	5.89	63.3	6.82	73.3	7.81	78.4	8.36	83.5	8.91	93.5	10.02	104.1	11.13
	14	52.9	5.97	63.3	6.94	73.3	7.92	78.4	8.48	83.5	9.04	93.5	10.15	104.1	11.31
	16	52.9	6.08	63.3	7.07	73.3	8.05	78.4	8.67	83.5	9.16	93.5	10.33	104.1	11.49
	18	52.9	6.15	63.3	7.13	73.3	8.18	78.4	8.79	83.5	9.34	93.5	10.51	104.1	11.74
	20	52.9	6.21	63.3	7.25	73.3	8.36	78.4	8.91	83.5	9.53	93.5	10.70	104.1	11.99
	21	52.9	6.27	63.3	7.31	73.3	8.42	78.4	9.04	83.5	9.59	93.5	10.82	104.1	12.10
	23	52.9	6.38	63.3	7.43	73.3	8.55	78.4	9.16	83.5	9.77	93.5	11.00	104.1	12.36
	25	52.9	6.46	63.3	7.56	73.3	8.72	78.4	9.34	83.5	10.08	93.5	11.55	104.1	13.22
	27	52.9	6.58	63.3	7.81	73.3	9.22	78.4	9.95	83.5	10.70	93.5	12.36	104.1	14.07
	29	52.9	6.94	63.3	8.30	73.3	9.77	78.4	10.57	83.5	11.37	93.5	13.09	104.1	14.94
	31	52.9	7.31	63.3	8.79	73.3	10.38	78.4	11.19	83.5	12.10	93.5	13.95	104.1	15.92
	33	52.9	7.74	63.3	9.28	73.3	11.00	78.4	11.87	83.5	12.85	93.5	14.82	104.1	16.97
	35	52.9	8.18	63.3	9.84	73.3	11.62	78.4	12.60	83.5	13.58	93.5	15.67	104.1	18.01
	37	52.9	8.67	63.3	10.38	73.3	12.30	78.4	13.34	83.5	14.38	93.5	16.71	104.1	19.12
	39	52.9	9.24	63.3	11.13	73.3	13.17	78.4	14.36	83.5	15.43	93.5	17.81	104.1	20.65
	41	51.5	10.00	61.6	12.06	71.4	14.41	76.4	15.55	81.2	16.72	91.1	19.52	101.4	22.42
	43	50.4	10.87	60.2	13.11	69.7	15.66	74.5	16.93	79.3	18.21	88.8	21.29	99.0	24.45
46	47.1	12.18	56.4	14.70	65.3	17.58	69.8	19.01	74.2	20.44	83.2	23.96	92.8	27.53	
48	41.7	10.61	49.9	12.83	57.8	15.34	61.8	16.59	65.8	17.84	73.7	20.93	82.1	24.07	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN580BTE5

Cooling Capacity (58HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	148.4	17.35	176.9	21.20	189.5	24.59	194.9	25.10	200.4	25.29	210.1	25.50	215.5	25.60
	12	148.4	17.78	176.9	21.95	189.5	25.60	194.9	25.77	200.4	25.98	210.1	26.19	215.5	26.41
	14	148.4	18.37	176.9	22.75	189.5	26.56	194.9	26.75	200.4	26.97	210.1	27.19	215.5	27.43
	16	148.4	19.04	176.9	23.55	189.5	27.76	194.9	28.01	200.4	28.24	210.1	28.49	215.5	28.71
	18	148.4	19.84	176.9	24.91	189.5	29.04	194.9	29.65	200.4	29.89	210.1	30.19	215.5	30.40
	20	148.4	20.72	176.9	26.54	189.5	30.46	194.9	32.62	200.4	32.88	207.0	33.21	212.5	33.44
	21	148.4	21.27	176.9	27.46	189.5	31.10	194.9	34.52	200.4	34.80	205.9	35.14	211.2	35.39
	23	148.4	22.81	176.9	28.90	189.5	32.71	194.9	38.10	197.8	38.41	202.8	38.78	208.3	39.05
	25	148.4	24.36	176.9	30.56	189.5	34.96	192.7	42.25	194.9	42.58	200.4	43.01	205.9	43.31
	27	148.4	26.07	176.9	32.66	187.1	37.26	189.5	46.51	192.7	46.88	197.8	47.35	202.8	47.67
	29	148.4	27.79	176.9	34.92	184.1	40.08	186.7	51.12	189.5	51.43	194.9	51.88	200.4	52.09
	31	148.4	29.65	176.3	36.78	181.1	42.63	184.1	50.89	186.7	51.20	191.9	51.67	197.4	51.88
	33	148.4	31.58	173.2	38.97	178.7	45.73	181.6	50.44	184.1	50.74	189.5	51.19	194.3	51.39
	35	148.4	33.67	170.1	40.81	175.6	49.53	178.7	49.78	181.6	50.07	186.5	50.52	191.9	50.73
	37	148.4	35.91	167.7	42.83	173.2	48.87	175.6	49.12	178.7	49.41	183.5	49.85	189.0	50.04
	39	148.4	38.24	164.8	45.09	170.1	48.23	173.2	48.47	175.6	48.75	181.1	49.19	186.5	49.38
	41	144.7	40.57	158.0	47.34	163.3	47.57	165.8	47.81	169.0	48.09	174.0	48.52	178.8	48.72
	43	141.1	42.78	151.3	46.68	156.6	46.91	159.0	47.14	162.2	47.43	167.2	47.86	171.7	48.04
46	132.3	45.79	138.1	45.70	143.1	45.93	145.3	46.16	148.4	46.44	153.0	46.86	157.2	47.03	
48	117.0	44.51	119.9	44.65	124.4	44.74	126.3	44.87	129.1	45.26	133.2	45.54	136.9	45.72	
120	10	137.3	15.61	163.3	19.14	178.4	22.73	183.8	24.57	189.3	24.96	199.6	25.06	204.5	25.26
	12	137.3	16.03	163.3	19.78	178.4	23.65	183.8	25.09	189.3	25.88	199.6	26.20	204.5	26.40
	14	137.3	16.58	163.3	20.45	178.4	24.60	183.8	26.04	189.3	26.83	199.6	27.23	204.5	27.45
	16	137.3	17.17	163.3	21.29	178.4	25.55	183.8	27.01	189.3	28.08	199.6	28.42	204.5	28.64
	18	137.3	17.85	163.3	22.25	178.4	26.59	183.8	28.44	189.3	29.51	199.6	29.85	204.5	30.09
	20	137.3	18.53	163.3	23.59	178.4	28.00	183.8	29.93	189.3	31.09	199.6	31.49	204.5	31.74
	21	137.3	19.09	163.3	24.44	178.4	28.80	183.8	30.80	189.3	32.10	199.6	32.50	204.5	32.76
	23	137.3	20.41	163.3	26.14	178.4	30.85	183.8	32.74	189.3	34.22	199.6	34.57	204.5	34.85
	25	137.3	21.80	163.3	28.00	178.4	32.55	183.8	34.90	189.3	36.70	197.2	37.00	202.0	37.30
	27	137.3	23.28	163.3	29.95	178.4	34.63	183.8	37.28	189.3	39.44	194.1	39.71	199.1	40.03
	29	137.3	24.83	163.3	31.96	178.4	36.45	183.8	39.90	186.2	42.03	191.1	42.67	196.6	43.01
	31	137.3	26.46	163.3	34.15	178.4	38.33	181.4	42.75	183.8	45.09	188.7	45.89	193.5	46.26
	33	137.3	28.16	163.3	36.39	176.0	40.55	178.4	46.39	180.8	48.42	185.6	48.96	190.5	49.35
	35	137.3	29.95	163.3	38.80	173.0	42.91	175.4	51.12	178.4	51.37	183.2	51.53	188.0	51.93
	37	137.3	32.21	163.3	40.93	170.6	45.76	173.0	50.04	175.4	50.28	180.3	50.44	185.1	50.84
	39	137.3	34.68	162.7	43.27	167.6	48.53	170.0	49.01	172.4	49.27	177.9	49.40	182.7	49.80
	41	133.9	37.15	155.6	45.59	160.9	47.57	163.1	47.99	165.5	48.23	170.3	48.37	175.1	48.75
	43	130.5	39.66	149.0	44.95	154.2	46.51	156.4	46.96	158.8	47.19	163.4	47.33	168.2	47.71
46	122.3	42.63	135.9	43.87	140.8	45.04	142.9	45.41	145.0	45.64	149.5	45.78	153.9	46.13	
48	108.2	41.77	118.0	43.09	122.4	44.16	124.2	44.43	126.2	44.58	130.0	44.75	133.9	44.93	
110	10	125.7	14.03	149.8	17.12	167.3	20.32	172.1	21.99	183.0	23.67	187.2	24.33	199.9	24.73
	12	125.7	14.48	149.8	17.68	167.3	21.17	172.1	22.62	183.0	24.56	187.2	25.35	199.9	25.94
	14	125.7	14.93	149.8	18.48	167.3	22.12	172.1	23.74	183.0	25.80	187.2	26.54	199.9	27.09
	16	125.7	15.46	149.8	19.15	167.3	23.04	172.1	24.78	183.0	26.99	187.2	27.73	199.9	28.21
	18	125.7	16.03	149.8	19.95	167.3	24.36	172.1	26.09	183.0	28.47	187.2	29.04	199.9	29.58
	20	125.7	16.60	149.8	20.95	167.3	25.84	172.1	27.29	183.0	29.85	187.2	30.59	199.9	31.09
	21	125.7	16.98	149.8	21.57	167.3	26.50	172.1	28.02	183.0	30.69	187.2	31.46	199.9	31.95
	23	125.7	18.08	149.8	23.13	167.3	27.98	172.1	29.58	183.0	32.41	187.2	33.11	199.9	33.65
	25	125.7	19.32	149.8	24.68	167.3	29.56	172.1	31.27	183.0	34.25	187.2	34.74	197.5	35.45
	27	125.7	20.63	149.8	26.38	167.3	31.24	172.1	33.09	183.0	35.77	187.2	36.58	194.6	37.21
	29	125.7	22.04	149.8	28.16	167.3	33.01	172.1	35.05	183.0	37.80	187.2	38.46	192.1	39.02
	31	125.7	23.43	149.8	30.03	167.3	34.89	172.1	37.14	180.0	39.72	184.8	40.50	189.0	40.92
	33	125.7	24.99	149.8	31.96	167.3	36.86	172.1	39.35	177.5	41.94	181.8	42.64	186.6	42.88
	35	125.7	26.54	149.8	34.15	167.3	38.92	172.1	41.71	174.5	44.27	178.8	44.67	183.7	44.89
	37	125.7	28.13	149.8	36.23	167.3	41.09	169.7	44.18	171.6	46.68	176.4	46.84	180.6	46.98
	39	125.7	30.32	149.8	38.51	164.3	43.36	166.7	47.26	169.2	49.00	173.4	49.08	178.2	49.13
	41	122.4	32.52	146.0	40.77	157.2	45.72	159.7	51.12	161.8	51.12	166.6	51.53	170.6	51.93
	43	119.4	34.15	142.4	42.48	150.8	48.49	153.2	49.03	155.2	48.93	159.8	49.19	163.8	49.34
46	111.9	33.32	133.4	41.01	137.5	46.02	139.9	46.02	141.7	46.42	146.0	46.67	149.8	46.79	
48	99.0	32.36	116.0	39.51	119.4	43.78	121.6	44.07	123.2	44.29	127.1	44.41	130.4	44.58	

# 7. Capacity Tables

Cooling Capacity (58HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	109.7	12.64	130.5	15.36	151.9	18.23	162.4	19.69	172.9	21.16	191.6	23.55	195.8	23.74
	12	109.7	13.04	130.5	15.99	151.9	18.84	162.4	20.23	172.9	21.83	191.6	24.82	195.8	25.06
	14	109.7	13.45	130.5	16.63	151.9	19.64	162.4	21.10	172.9	22.78	191.6	26.21	195.8	26.45
	16	109.7	13.87	130.5	17.18	151.9	20.47	162.4	22.09	172.9	24.00	191.6	27.48	195.8	27.86
	18	109.7	14.27	130.5	17.82	151.9	21.27	162.4	23.18	172.9	25.45	191.6	29.04	195.8	29.26
	20	109.7	14.78	130.5	18.49	151.9	22.50	162.4	24.83	172.9	27.24	191.6	30.42	195.8	30.66
	21	109.7	15.09	130.5	18.93	151.9	23.28	162.4	25.69	172.9	28.24	191.6	31.11	195.8	31.36
	23	109.7	15.99	130.5	20.25	151.9	24.99	162.4	27.55	172.9	30.26	191.6	32.58	195.8	32.85
	25	109.7	16.99	130.5	21.57	151.9	26.69	162.4	29.49	172.9	32.36	191.6	33.96	194.3	34.24
	27	109.7	18.16	130.5	23.05	151.9	28.56	162.4	31.51	172.9	34.40	188.0	35.56	191.9	35.85
	29	109.7	19.32	130.5	24.59	151.9	30.50	162.4	33.67	172.9	36.41	184.4	37.00	189.0	37.30
	31	109.7	20.63	130.5	26.23	151.9	32.51	162.4	35.93	172.9	38.26	181.7	38.43	186.1	38.74
	33	109.7	21.88	130.5	27.93	151.9	34.69	162.4	38.33	172.9	39.70	178.8	39.87	183.2	40.18
	35	109.7	23.28	130.5	29.71	151.9	36.93	162.4	40.88	170.2	41.13	175.5	41.30	180.0	41.63
	37	109.7	24.94	130.5	31.88	151.9	39.12	162.4	42.83	167.4	43.05	172.2	43.22	176.4	43.62
	39	109.7	26.73	130.5	34.24	151.9	41.46	162.4	44.93	164.6	45.13	169.5	45.31	173.5	45.73
	41	107.8	28.53	128.4	36.60	149.5	43.79	155.8	47.03	159.2	47.22	162.9	47.38	168.2	47.83
	43	104.2	30.19	124.0	38.81	144.5	45.89	149.4	48.82	151.1	49.00	155.8	49.16	159.9	49.62
	46	97.6	32.47	116.2	41.83	135.3	48.67	136.3	51.12	137.9	51.27	142.3	51.42	146.1	51.90
	48	86.4	28.04	102.8	36.20	116.8	41.61	118.6	43.37	119.8	43.52	123.7	43.61	127.1	43.96
90	10	98.6	10.96	117.8	13.18	136.8	15.54	146.1	16.74	155.5	18.03	174.5	20.18	193.8	22.44
	12	98.6	11.10	117.8	13.38	136.8	15.80	146.1	17.08	155.5	18.43	174.5	20.58	193.8	22.83
	14	98.6	11.30	117.8	13.65	136.8	16.15	146.1	17.42	155.5	18.76	174.5	20.97	193.8	23.29
	16	98.6	11.50	117.8	13.92	136.8	16.47	146.1	17.75	155.5	19.10	174.5	21.37	193.8	23.69
	18	98.6	11.71	117.8	14.19	136.8	16.74	146.1	18.17	155.5	19.50	174.5	21.84	193.8	24.89
	20	98.6	11.90	117.8	14.45	136.8	17.08	146.1	18.49	155.5	20.24	174.5	23.37	193.8	26.08
	21	98.6	12.03	117.8	14.59	136.8	17.42	146.1	19.10	155.5	20.99	174.5	23.74	193.8	26.67
	23	98.6	12.31	117.8	15.20	136.8	18.63	146.1	20.51	155.5	22.47	174.5	25.19	191.1	27.93
	25	98.6	12.91	117.8	16.21	136.8	19.91	146.1	21.92	155.5	24.01	174.5	26.93	188.3	29.12
	27	98.6	13.79	117.8	17.28	136.8	21.25	146.1	23.41	155.5	25.69	174.5	28.63	185.6	30.49
	29	98.6	14.59	117.8	18.43	136.8	22.73	146.1	25.02	155.5	27.44	174.5	30.33	182.7	31.71
	31	98.6	15.54	117.8	19.64	136.8	24.22	146.1	26.64	155.5	29.25	174.5	31.85	180.0	32.95
	33	98.6	16.55	117.8	20.91	136.8	25.83	146.1	28.38	155.5	31.03	174.5	33.38	177.2	34.18
	35	98.6	17.56	117.8	22.20	136.8	27.44	146.1	30.26	155.5	32.91	171.6	35.30	174.5	36.11
	37	98.6	18.63	117.8	23.61	136.8	29.27	146.1	32.15	155.5	34.74	168.8	36.90	171.7	37.72
	39	98.6	19.73	117.8	25.10	136.8	30.96	146.1	34.22	155.5	36.52	166.1	38.91	169.0	39.37
	41	96.1	22.07	114.7	27.83	133.4	33.99	142.4	37.42	151.5	39.44	159.1	41.00	161.9	41.94
	43	93.7	23.83	111.8	30.09	130.0	37.13	138.9	40.29	147.7	42.28	152.6	43.91	155.3	44.43
	46	87.8	26.82	104.9	34.26	121.8	42.31	130.2	45.69	134.2	46.98	139.2	48.19	141.9	48.26
	48	77.7	23.43	92.8	29.97	107.8	37.01	115.1	39.85	116.5	40.48	121.0	41.49	123.3	41.54
80	10	87.5	9.20	104.4	11.05	121.3	12.97	130.0	14.00	138.7	15.02	155.5	17.13	172.2	18.60
	12	87.5	9.39	104.4	11.19	121.3	13.23	130.0	14.25	138.7	15.28	155.5	17.44	172.2	18.97
	14	87.5	9.52	104.4	11.45	121.3	13.42	130.0	14.50	138.7	15.53	155.5	17.77	172.2	19.34
	16	87.5	9.65	104.4	11.64	121.3	13.67	130.0	14.77	138.7	15.85	155.5	18.14	172.2	19.70
	18	87.5	9.84	104.4	11.83	121.3	13.94	130.0	15.02	138.7	16.16	155.5	18.47	172.2	20.13
	20	87.5	10.03	104.4	12.09	121.3	14.25	130.0	15.33	138.7	16.49	155.5	19.17	172.2	21.32
	21	87.5	10.10	104.4	12.20	121.3	14.39	130.0	15.53	138.7	16.87	155.5	19.78	172.2	21.89
	23	87.5	10.29	104.4	12.39	121.3	15.02	130.0	16.49	138.7	18.03	155.5	20.89	172.2	22.98
	25	87.5	10.67	104.4	13.23	121.3	16.11	130.0	17.64	138.7	19.30	155.5	22.35	172.2	24.56
	27	87.5	11.31	104.4	14.06	121.3	17.20	130.0	18.86	138.7	20.58	155.5	23.75	172.2	25.85
	29	87.5	12.02	104.4	15.02	121.3	18.28	130.0	20.07	138.7	21.99	155.5	25.44	172.2	27.66
	31	87.5	12.78	104.4	15.92	121.3	19.50	130.0	21.41	138.7	23.39	155.5	27.00	172.2	29.05
	33	87.5	13.55	104.4	17.00	121.3	20.77	130.0	22.81	138.7	24.92	155.5	28.44	172.2	30.46
	35	87.5	14.39	104.4	18.03	121.3	22.12	130.0	24.28	138.7	26.59	155.5	30.17	170.4	31.56
	37	87.5	15.22	104.4	19.16	121.3	23.45	130.0	25.82	138.7	28.25	155.5	31.84	167.7	33.01
	39	87.5	16.07	104.4	20.25	121.3	25.09	130.0	27.76	138.7	30.36	155.5	33.64	164.9	34.81
	41	85.4	17.79	101.7	22.45	118.1	27.54	126.6	30.42	135.0	33.36	151.5	37.43	158.0	38.58
	43	83.2	19.58	99.2	24.50	115.2	30.06	123.4	33.17	131.8	36.46	147.7	40.05	151.5	41.31
	46	78.0	21.78	93.0	27.59	107.9	33.86	115.7	36.91	123.4	41.14	135.0	43.72	138.2	44.41
	48	69.1	19.02	82.2	24.13	95.5	29.62	102.4	32.24	109.2	36.01	117.3	37.84	120.2	38.23

# 7. Capacity Tables

Cooling Capacity (58HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	76.5	8.10	91.7	9.62	106.2	11.16	113.6	12.05	121.3	12.88	135.8	14.67	150.8	16.41
	12	76.5	8.22	91.7	9.76	106.2	11.42	113.6	12.24	121.3	13.14	135.8	14.92	150.8	16.71
	14	76.5	8.36	91.7	9.89	106.2	11.61	113.6	12.43	121.3	13.34	135.8	15.25	150.8	17.03
	16	76.5	8.48	91.7	10.08	106.2	11.80	113.6	12.69	121.3	13.58	135.8	15.50	150.8	17.39
	18	76.5	8.60	91.7	10.27	106.2	12.05	113.6	12.94	121.3	13.84	135.8	15.75	150.8	17.70
	20	76.5	8.74	91.7	10.46	106.2	12.24	113.6	13.20	121.3	14.15	135.8	16.13	150.8	18.37
	21	76.5	8.86	91.7	10.52	106.2	12.37	113.6	13.34	121.3	14.29	135.8	16.39	150.8	18.75
	23	76.5	9.00	91.7	10.77	106.2	12.63	113.6	13.77	121.3	14.98	135.8	17.54	150.8	19.80
	25	76.5	9.12	91.7	11.16	106.2	13.45	113.6	14.73	121.3	16.01	135.8	18.75	150.8	20.77
	27	76.5	9.62	91.7	11.93	106.2	14.34	113.6	15.63	121.3	17.09	135.8	20.03	150.8	22.06
	29	76.5	10.27	91.7	12.63	106.2	15.25	113.6	16.65	121.3	18.17	135.8	21.37	150.8	23.63
	31	76.5	10.91	91.7	13.45	106.2	16.26	113.6	17.79	121.3	19.38	135.8	22.77	150.8	25.09
	33	76.5	11.54	91.7	14.22	106.2	17.28	113.6	18.87	121.3	20.60	135.8	24.23	150.8	26.70
	35	76.5	12.18	91.7	15.17	106.2	18.37	113.6	20.08	121.3	21.94	135.8	25.82	150.8	28.32
	37	76.5	12.94	91.7	16.08	106.2	19.51	113.6	21.37	121.3	23.34	135.8	27.49	150.8	29.89
	39	76.5	13.74	91.7	17.14	106.2	20.86	113.6	22.99	121.3	25.22	135.8	29.42	150.8	32.23
41	74.6	15.20	89.3	18.78	103.4	22.89	110.7	25.21	118.1	27.41	132.3	32.30	146.9	34.76	
43	72.8	16.55	87.0	20.46	100.9	24.97	108.1	27.49	115.2	29.94	129.0	35.30	143.3	37.58	
46	68.2	18.38	81.7	23.01	94.6	28.13	101.2	30.62	107.9	33.74	120.8	39.80	134.3	41.88	
48	60.4	16.04	72.2	20.10	83.6	24.58	89.6	26.75	95.5	29.51	106.9	34.84	118.9	36.25	
60	10	65.6	7.00	78.3	8.20	91.0	9.55	97.5	10.24	103.9	10.89	116.5	12.35	129.4	13.81
	12	65.6	7.13	78.3	8.34	91.0	9.67	97.5	10.38	103.9	11.08	116.5	12.54	129.4	14.06
	14	65.6	7.19	78.3	8.47	91.0	9.86	97.5	10.56	103.9	11.27	116.5	12.78	129.4	14.31
	16	65.6	7.32	78.3	8.66	91.0	9.99	97.5	10.75	103.9	11.51	116.5	13.05	129.4	14.58
	18	65.6	7.44	78.3	8.77	91.0	10.18	97.5	10.94	103.9	11.70	116.5	13.24	129.4	14.89
	20	65.6	7.58	78.3	8.90	91.0	10.38	97.5	11.13	103.9	11.89	116.5	13.50	129.4	15.20
	21	65.6	7.63	78.3	8.97	91.0	10.50	97.5	11.27	103.9	12.02	116.5	13.68	129.4	15.33
	23	65.6	7.77	78.3	9.17	91.0	10.62	97.5	11.46	103.9	12.28	116.5	14.20	129.4	16.29
	25	65.6	7.89	78.3	9.36	91.0	11.08	97.5	12.02	103.9	13.05	116.5	15.15	129.4	17.43
	27	65.6	8.15	78.3	9.86	91.0	11.78	97.5	12.78	103.9	13.87	116.5	16.09	129.4	18.58
	29	65.6	8.66	78.3	10.50	91.0	12.54	97.5	13.62	103.9	14.77	116.5	17.18	129.4	19.85
	31	65.6	9.17	78.3	11.13	91.0	13.30	97.5	14.50	103.9	15.71	116.5	18.32	129.4	21.12
	33	65.6	9.67	78.3	11.78	91.0	14.12	97.5	15.39	103.9	16.73	116.5	19.47	129.4	22.52
	35	65.6	10.24	78.3	12.54	91.0	15.01	97.5	16.35	103.9	17.75	116.5	20.74	129.4	23.92
	37	65.6	10.81	78.3	13.23	91.0	15.90	97.5	17.37	103.9	18.83	116.5	22.01	129.4	25.45
	39	65.6	11.51	78.3	14.08	91.0	17.16	97.5	18.64	103.9	20.27	116.5	23.61	129.4	27.27
41	63.8	12.48	76.3	15.42	88.8	18.65	94.9	20.36	101.2	21.99	113.6	25.90	126.1	29.64	
43	62.3	13.55	74.4	16.78	86.5	20.33	92.6	22.18	98.6	24.00	110.7	28.28	122.9	32.38	
46	58.4	15.18	69.8	18.84	81.2	22.86	86.8	24.94	92.5	26.99	103.9	31.87	115.2	36.89	
48	51.7	13.23	61.7	16.45	71.7	19.98	76.8	21.77	81.7	23.59	91.8	27.87	102.0	32.28	
50	10	54.8	6.04	65.6	6.98	75.9	7.94	81.2	8.50	86.5	9.01	96.8	10.16	107.8	11.30
	12	54.8	6.09	65.6	7.05	75.9	8.07	81.2	8.64	86.5	9.21	96.8	10.35	107.8	11.49
	14	54.8	6.16	65.6	7.17	75.9	8.18	81.2	8.76	86.5	9.33	96.8	10.48	107.8	11.68
	16	54.8	6.28	65.6	7.30	75.9	8.31	81.2	8.95	86.5	9.46	96.8	10.67	107.8	11.87
	18	54.8	6.35	65.6	7.36	75.9	8.45	81.2	9.08	86.5	9.65	96.8	10.86	107.8	12.12
	20	54.8	6.41	65.6	7.49	75.9	8.64	81.2	9.21	86.5	9.85	96.8	11.05	107.8	12.39
	21	54.8	6.48	65.6	7.55	75.9	8.70	81.2	9.33	86.5	9.90	96.8	11.18	107.8	12.50
	23	54.8	6.59	65.6	7.68	75.9	8.83	81.2	9.46	86.5	10.09	96.8	11.37	107.8	12.77
	25	54.8	6.67	65.6	7.81	75.9	9.01	81.2	9.65	86.5	10.41	96.8	11.93	107.8	13.65
	27	54.8	6.79	65.6	8.07	75.9	9.52	81.2	10.28	86.5	11.05	96.8	12.77	107.8	14.54
	29	54.8	7.17	65.6	8.57	75.9	10.09	81.2	10.91	86.5	11.74	96.8	13.52	107.8	15.43
	31	54.8	7.55	65.6	9.08	75.9	10.72	81.2	11.55	86.5	12.50	96.8	14.41	107.8	16.44
	33	54.8	7.99	65.6	9.59	75.9	11.37	81.2	12.26	86.5	13.27	96.8	15.30	107.8	17.53
	35	54.8	8.45	65.6	10.16	75.9	12.00	81.2	13.02	86.5	14.03	96.8	16.19	107.8	18.60
	37	54.8	8.95	65.6	10.72	75.9	12.70	81.2	13.78	86.5	14.85	96.8	17.26	107.8	19.75
	39	54.8	9.54	65.6	11.50	75.9	13.60	81.2	14.83	86.5	15.94	96.8	18.40	107.8	21.33
41	53.4	10.33	63.8	12.45	74.0	14.88	79.1	16.06	84.1	17.27	94.4	20.16	105.1	23.16	
43	52.2	11.22	62.3	13.54	72.2	16.18	77.2	17.48	82.2	18.81	92.0	21.99	102.5	25.26	
46	48.8	12.58	58.4	15.18	67.7	18.16	72.3	19.63	76.9	21.11	86.2	24.75	96.1	28.44	
48	43.2	10.95	51.7	13.25	59.9	15.84	64.0	17.14	68.1	18.43	76.3	21.61	85.0	24.86	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN600BTE5

Cooling Capacity (60HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	153.5	18.20	183.0	22.23	196.0	25.79	201.7	26.33	207.3	26.53	217.3	26.75	223.0	26.85
	12	153.5	18.65	183.0	23.02	196.0	26.85	201.7	27.03	207.3	27.25	217.3	27.47	223.0	27.71
	14	153.5	19.27	183.0	23.86	196.0	27.86	201.7	28.06	207.3	28.29	217.3	28.53	223.0	28.78
	16	153.5	19.98	183.0	24.70	196.0	29.12	201.7	29.39	207.3	29.62	217.3	29.89	223.0	30.11
	18	153.5	20.82	183.0	26.13	196.0	30.46	201.7	31.10	207.3	31.35	217.3	31.67	223.0	31.89
	20	153.5	21.74	183.0	27.84	196.0	31.96	201.7	34.21	207.3	34.49	214.2	34.83	219.8	35.08
	21	153.5	22.31	183.0	28.80	196.0	32.63	201.7	36.21	207.3	36.51	213.0	36.86	218.5	37.13
	23	153.5	23.93	183.0	30.31	196.0	34.31	201.7	39.97	204.7	40.29	209.8	40.68	215.5	40.96
	25	153.5	25.56	183.0	32.06	196.0	36.68	199.3	44.32	201.7	44.66	207.3	45.11	213.0	45.43
	27	153.5	27.35	183.0	34.26	193.5	39.08	196.0	48.79	199.3	49.18	204.7	49.67	209.8	50.00
	29	153.5	29.15	183.0	36.63	190.5	42.04	193.2	53.63	196.0	53.95	201.7	54.42	207.3	54.64
	31	153.5	31.10	182.3	38.58	187.3	44.71	190.5	53.38	193.2	53.70	198.5	54.20	204.2	54.42
	33	153.5	33.13	179.2	40.88	184.8	47.97	187.8	52.91	190.5	53.23	196.0	53.70	201.0	53.90
	35	153.5	35.32	176.0	42.81	181.7	51.95	184.8	52.22	187.8	52.52	193.0	52.99	198.5	53.21
	37	153.5	37.67	173.5	44.93	179.2	51.26	181.7	51.53	184.8	51.83	189.8	52.29	195.5	52.49
	39	153.5	40.11	170.5	47.30	176.0	50.59	179.2	50.84	181.7	51.13	187.3	51.60	193.0	51.80
	41	149.7	42.56	163.5	49.65	169.0	49.90	171.5	50.15	174.8	50.44	180.0	50.89	185.0	51.11
	43	146.0	44.88	156.5	48.96	162.0	49.21	164.5	49.45	167.8	49.75	173.0	50.20	177.7	50.39
46	136.8	48.04	142.8	47.94	148.0	48.17	150.3	48.42	153.5	48.71	158.3	49.16	162.7	49.33	
48	121.0	46.69	124.0	46.84	128.7	46.93	130.7	47.06	133.5	47.48	137.8	47.77	141.7	47.95	
120	10	142.0	16.38	169.0	20.08	184.5	23.84	190.2	25.77	195.8	26.18	206.5	26.28	211.5	26.50
	12	142.0	16.82	169.0	20.75	184.5	24.80	190.2	26.31	195.8	27.15	206.5	27.49	211.5	27.69
	14	142.0	17.39	169.0	21.46	184.5	25.81	190.2	27.32	195.8	28.14	206.5	28.56	211.5	28.80
	16	142.0	18.01	169.0	22.33	184.5	26.80	190.2	28.33	195.8	29.45	206.5	29.81	211.5	30.04
	18	142.0	18.72	169.0	23.34	184.5	27.89	190.2	29.84	195.8	30.95	206.5	31.32	211.5	31.57
	20	142.0	19.44	169.0	24.75	184.5	29.37	190.2	31.40	195.8	32.61	206.5	33.03	211.5	33.30
	21	142.0	20.03	169.0	25.64	184.5	30.21	190.2	32.31	195.8	33.67	206.5	34.09	211.5	34.36
	23	142.0	21.41	169.0	27.42	184.5	32.36	190.2	34.34	195.8	35.89	206.5	36.26	211.5	36.56
	25	142.0	22.87	169.0	29.37	184.5	34.14	190.2	36.61	195.8	38.49	204.0	38.81	209.0	39.13
	27	142.0	24.41	169.0	31.42	184.5	36.33	190.2	39.10	195.8	41.37	200.8	41.65	206.0	41.99
	29	142.0	26.04	169.0	33.52	184.5	38.24	190.2	41.85	192.7	44.09	197.7	44.76	203.3	45.11
	31	142.0	27.76	169.0	35.82	184.5	40.21	187.7	44.84	190.2	47.30	195.2	48.14	200.2	48.52
	33	142.0	29.54	169.0	38.17	182.0	42.54	184.5	48.66	187.0	50.79	192.0	51.36	197.0	51.77
	35	142.0	31.42	169.0	40.69	179.0	45.01	181.5	53.63	184.5	53.88	189.5	54.05	194.5	54.47
	37	142.0	33.79	169.0	42.93	176.5	48.00	179.0	52.49	181.5	52.74	186.5	52.91	191.5	53.33
	39	142.0	36.38	168.3	45.38	173.3	50.91	175.8	51.41	178.3	51.68	184.0	51.82	189.0	52.24
	41	138.5	38.96	161.0	47.82	166.5	49.90	168.7	50.34	171.2	50.59	176.2	50.74	181.2	51.13
	43	135.0	41.60	154.2	47.15	159.5	48.79	161.8	49.26	164.3	49.50	169.0	49.65	174.0	50.05
46	126.5	44.71	140.5	46.02	145.7	47.25	147.8	47.63	150.0	47.87	154.7	48.02	159.2	48.39	
48	112.0	43.82	122.0	45.20	126.7	46.32	128.5	46.61	130.5	46.76	134.5	46.94	138.5	47.13	
110	10	130.0	14.72	155.0	17.96	173.0	21.32	178.0	23.07	189.3	24.83	193.7	25.52	206.8	25.94
	12	130.0	15.19	155.0	18.55	173.0	22.21	178.0	23.72	189.3	25.76	193.7	26.60	206.8	27.20
	14	130.0	15.66	155.0	19.39	173.0	23.20	178.0	24.90	189.3	27.07	193.7	27.84	206.8	28.41
	16	130.0	16.21	155.0	20.08	173.0	24.16	178.0	25.99	189.3	28.31	193.7	29.08	206.8	29.59
	18	130.0	16.82	155.0	20.92	173.0	25.56	178.0	27.37	189.3	29.86	193.7	30.46	206.8	31.03
	20	130.0	17.41	155.0	21.98	173.0	27.10	178.0	28.63	189.3	31.32	193.7	32.09	206.8	32.61
	21	130.0	17.81	155.0	22.63	173.0	27.79	178.0	29.39	189.3	32.19	193.7	33.00	206.8	33.52
	23	130.0	18.97	155.0	24.26	173.0	29.35	178.0	31.03	189.3	33.99	193.7	34.73	206.8	35.30
	25	130.0	20.26	155.0	25.89	173.0	31.00	178.0	32.80	189.3	35.92	193.7	36.44	204.3	37.18
	27	130.0	21.64	155.0	27.67	173.0	32.76	178.0	34.71	189.3	37.52	193.7	38.38	201.3	39.03
	29	130.0	23.12	155.0	29.54	173.0	34.63	178.0	36.76	189.3	39.65	193.7	40.34	198.7	40.93
	31	130.0	24.58	155.0	31.50	173.0	36.59	178.0	38.96	186.2	41.67	191.2	42.49	195.5	42.93
	33	130.0	26.21	155.0	33.52	173.0	38.66	178.0	41.28	183.7	43.99	188.0	44.73	193.0	44.98
	35	130.0	27.84	155.0	35.82	173.0	40.83	178.0	43.75	180.5	46.44	185.0	46.86	190.0	47.08
	37	130.0	29.50	155.0	38.01	173.0	43.10	175.5	46.34	177.5	48.96	182.5	49.13	186.8	49.28
	39	130.0	31.81	155.0	40.39	170.0	45.48	172.5	49.58	175.0	51.40	179.3	51.48	184.3	51.53
	41	126.7	34.11	151.0	42.76	162.7	47.95	165.2	53.63	167.3	53.63	172.3	54.05	176.5	54.47
	43	123.5	35.82	147.3	44.56	156.0	50.86	158.5	51.43	160.5	51.33	165.3	51.60	169.5	51.75
46	115.8	34.95	138.0	43.01	142.2	48.27	144.7	48.27	146.5	48.69	151.0	48.96	155.0	49.08	
48	102.5	33.94	120.0	41.45	123.5	45.92	125.8	46.22	127.5	46.46	131.5	46.59	134.8	46.76	

# 7. Capacity Tables

Cooling Capacity (60HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	113.5	13.26	135.0	16.11	157.2	19.12	168.0	20.65	178.8	22.20	198.2	24.70	202.5	24.90
	12	113.5	13.68	135.0	16.77	157.2	19.76	168.0	21.22	178.8	22.90	198.2	26.04	202.5	26.28
	14	113.5	14.11	135.0	17.44	157.2	20.60	168.0	22.13	178.8	23.89	198.2	27.49	202.5	27.74
	16	113.5	14.55	135.0	18.03	157.2	21.47	168.0	23.17	178.8	25.17	198.2	28.83	202.5	29.22
	18	113.5	14.97	135.0	18.70	157.2	22.31	168.0	24.31	178.8	26.70	198.2	30.46	202.5	30.70
	20	113.5	15.51	135.0	19.39	157.2	23.61	168.0	26.04	178.8	28.58	198.2	31.91	202.5	32.16
	21	113.5	15.83	135.0	19.86	157.2	24.41	168.0	26.95	178.8	29.62	198.2	32.63	202.5	32.90
	23	113.5	16.77	135.0	21.24	157.2	26.21	168.0	28.90	178.8	31.74	198.2	34.17	202.5	34.46
	25	113.5	17.83	135.0	22.63	157.2	27.99	168.0	30.93	178.8	33.94	198.2	35.62	201.0	35.92
	27	113.5	19.05	135.0	24.18	157.2	29.96	168.0	33.05	178.8	36.09	194.5	37.30	198.5	37.60
	29	113.5	20.26	135.0	25.79	157.2	31.99	168.0	35.32	178.8	38.19	190.8	38.81	195.5	39.13
	31	113.5	21.64	135.0	27.52	157.2	34.11	168.0	37.69	178.8	40.14	188.0	40.31	192.5	40.64
	33	113.5	22.95	135.0	29.30	157.2	36.39	168.0	40.21	178.8	41.65	185.0	41.82	189.5	42.14
	35	113.5	24.41	135.0	31.17	157.2	38.73	168.0	42.88	176.0	43.15	181.5	43.33	186.2	43.67
	37	113.5	26.16	135.0	33.44	157.2	41.03	168.0	44.93	173.2	45.16	178.2	45.33	182.5	45.75
	39	113.5	28.04	135.0	35.92	157.2	43.48	168.0	47.13	170.3	47.33	175.3	47.53	179.5	47.97
	41	111.5	29.92	132.8	38.39	154.7	45.94	161.2	49.33	164.7	49.53	168.5	49.70	174.0	50.17
	43	107.8	31.67	128.3	40.71	149.5	48.14	154.5	51.21	156.3	51.40	161.2	51.56	165.5	52.05
46	101.0	34.06	120.2	43.87	140.0	51.06	141.0	53.63	142.7	53.78	147.2	53.93	151.2	54.44	
48	89.3	29.42	106.3	37.97	120.8	43.65	122.7	45.50	124.0	45.65	128.0	45.75	131.5	46.12	
90	10	102.0	11.49	121.8	13.83	141.5	16.30	151.2	17.56	160.8	18.91	180.5	21.16	200.5	23.54
	12	102.0	11.64	121.8	14.03	141.5	16.57	151.2	17.92	160.8	19.33	180.5	21.58	200.5	23.94
	14	102.0	11.86	121.8	14.32	141.5	16.94	151.2	18.27	160.8	19.68	180.5	21.99	200.5	24.43
	16	102.0	12.06	121.8	14.60	141.5	17.28	151.2	18.62	160.8	20.04	180.5	22.41	200.5	24.85
	18	102.0	12.28	121.8	14.89	141.5	17.56	151.2	19.06	160.8	20.46	180.5	22.91	200.5	26.11
	20	102.0	12.48	121.8	15.16	141.5	17.92	151.2	19.40	160.8	21.23	180.5	24.51	200.5	27.35
	21	102.0	12.62	121.8	15.31	141.5	18.27	151.2	20.04	160.8	22.02	180.5	24.90	200.5	27.98
	23	102.0	12.92	121.8	15.95	141.5	19.55	151.2	21.52	160.8	23.57	180.5	26.43	197.7	29.29
	25	102.0	13.54	121.8	17.01	141.5	20.88	151.2	23.00	160.8	25.18	180.5	28.25	194.8	30.55
	27	102.0	14.47	121.8	18.12	141.5	22.29	151.2	24.56	160.8	26.95	180.5	30.03	192.0	31.98
	29	102.0	15.31	121.8	19.33	141.5	23.84	151.2	26.24	160.8	28.78	180.5	31.81	189.0	33.26
	31	102.0	16.30	121.8	20.61	141.5	25.40	151.2	27.94	160.8	30.69	180.5	33.41	186.2	34.57
	33	102.0	17.36	121.8	21.94	141.5	27.10	151.2	29.76	160.8	32.55	180.5	35.01	183.3	35.85
	35	102.0	18.42	121.8	23.28	141.5	28.78	151.2	31.75	160.8	34.52	177.5	37.03	180.5	37.87
	37	102.0	19.55	121.8	24.76	141.5	30.70	151.2	33.73	160.8	36.44	174.7	38.71	177.7	39.57
	39	102.0	20.69	121.8	26.33	141.5	32.47	151.2	35.90	160.8	38.31	171.8	40.81	174.8	41.30
	41	99.5	23.15	118.7	29.19	138.0	35.65	147.3	39.25	156.7	41.37	164.5	43.00	167.5	43.99
	43	97.0	25.00	115.7	31.56	134.5	38.95	143.7	42.26	152.8	44.35	157.8	46.06	160.7	46.60
46	90.8	28.13	108.5	35.93	126.0	44.38	134.7	47.93	138.8	49.28	144.0	50.55	146.8	50.62	
48	80.3	24.58	96.0	31.44	111.5	38.83	119.0	41.81	120.5	42.46	125.2	43.52	127.5	43.57	
80	10	90.5	9.65	108.0	11.59	125.5	13.60	134.5	14.69	143.5	15.76	160.8	17.97	178.2	19.51
	12	90.5	9.85	108.0	11.74	125.5	13.87	134.5	14.94	143.5	16.03	160.8	18.29	178.2	19.90
	14	90.5	9.98	108.0	12.01	125.5	14.07	134.5	15.21	143.5	16.28	160.8	18.64	178.2	20.28
	16	90.5	10.12	108.0	12.21	125.5	14.34	134.5	15.49	143.5	16.63	160.8	19.03	178.2	20.67
	18	90.5	10.32	108.0	12.41	125.5	14.62	134.5	15.76	143.5	16.95	160.8	19.38	178.2	21.12
	20	90.5	10.52	108.0	12.68	125.5	14.94	134.5	16.08	143.5	17.30	160.8	20.10	178.2	22.36
	21	90.5	10.60	108.0	12.80	125.5	15.09	134.5	16.28	143.5	17.69	160.8	20.75	178.2	22.96
	23	90.5	10.79	108.0	13.00	125.5	15.76	134.5	17.30	143.5	18.91	160.8	21.91	178.2	24.10
	25	90.5	11.19	108.0	13.87	125.5	16.90	134.5	18.51	143.5	20.25	160.8	23.45	178.2	25.76
	27	90.5	11.86	108.0	14.74	125.5	18.04	134.5	19.78	143.5	21.59	160.8	24.91	178.2	27.12
	29	90.5	12.61	108.0	15.76	125.5	19.18	134.5	21.05	143.5	23.06	160.8	26.68	178.2	29.01
	31	90.5	13.40	108.0	16.70	125.5	20.45	134.5	22.46	143.5	24.54	160.8	28.32	178.2	30.47
	33	90.5	14.22	108.0	17.84	125.5	21.79	134.5	23.92	143.5	26.13	160.8	29.83	178.2	31.94
	35	90.5	15.09	108.0	18.91	125.5	23.20	134.5	25.46	143.5	27.89	160.8	31.64	176.3	33.10
	37	90.5	15.96	108.0	20.10	125.5	24.59	134.5	27.08	143.5	29.63	160.8	33.40	173.5	34.62
	39	90.5	16.85	108.0	21.24	125.5	26.31	134.5	29.11	143.5	31.84	160.8	35.29	170.5	36.51
	41	88.3	18.66	105.2	23.55	122.2	28.89	131.0	31.91	139.7	34.99	156.7	39.26	163.5	40.47
	43	86.0	20.53	102.7	25.69	119.2	31.52	127.7	34.79	136.3	38.24	152.8	42.01	156.7	43.33
46	80.7	22.85	96.2	28.94	111.7	35.51	119.7	38.71	127.7	43.15	139.7	45.86	143.0	46.58	
48	71.5	19.95	85.0	25.31	98.8	31.07	106.0	33.82	113.0	37.77	121.3	39.68	124.3	40.10	



# 7. Capacity Tables

Cooling Capacity (60HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	79.2	8.49	94.8	10.09	109.8	11.71	117.5	12.64	125.5	13.51	140.5	15.39	156.0	17.21
	12	79.2	8.62	94.8	10.24	109.8	11.97	117.5	12.84	125.5	13.79	140.5	15.64	156.0	17.53
	14	79.2	8.77	94.8	10.37	109.8	12.17	117.5	13.04	125.5	13.99	140.5	15.99	156.0	17.86
	16	79.2	8.89	94.8	10.57	109.8	12.37	117.5	13.31	125.5	14.24	140.5	16.26	156.0	18.24
	18	79.2	9.02	94.8	10.77	109.8	12.64	117.5	13.57	125.5	14.51	140.5	16.51	156.0	18.56
	20	79.2	9.17	94.8	10.97	109.8	12.84	117.5	13.84	125.5	14.84	140.5	16.91	156.0	19.26
	21	79.2	9.29	94.8	11.04	109.8	12.97	117.5	13.99	125.5	14.99	140.5	17.19	156.0	19.66
	23	79.2	9.44	94.8	11.29	109.8	13.24	117.5	14.44	125.5	15.71	140.5	18.39	156.0	20.76
	25	79.2	9.57	94.8	11.71	109.8	14.11	117.5	15.44	125.5	16.79	140.5	19.66	156.0	21.78
	27	79.2	10.09	94.8	12.51	109.8	15.04	117.5	16.39	125.5	17.93	140.5	21.01	156.0	23.13
	29	79.2	10.77	94.8	13.24	109.8	15.99	117.5	17.46	125.5	19.06	140.5	22.41	156.0	24.78
	31	79.2	11.44	94.8	14.11	109.8	17.06	117.5	18.66	125.5	20.33	140.5	23.88	156.0	26.31
	33	79.2	12.11	94.8	14.91	109.8	18.13	117.5	19.79	125.5	21.61	140.5	25.41	156.0	28.00
	35	79.2	12.77	94.8	15.91	109.8	19.26	117.5	21.06	125.5	23.01	140.5	27.08	156.0	29.70
	37	79.2	13.57	94.8	16.86	109.8	20.46	117.5	22.41	125.5	24.48	140.5	28.83	156.0	31.35
	39	79.2	14.41	94.8	17.98	109.8	21.88	117.5	24.11	125.5	26.45	140.5	30.85	156.0	33.80
	41	77.2	15.94	92.3	19.69	107.0	24.01	114.5	26.43	122.2	28.75	136.8	33.87	152.0	36.45
	43	75.3	17.36	90.0	21.46	104.3	26.18	111.8	28.83	119.2	31.40	133.5	37.02	148.2	39.42
46	70.5	19.28	84.5	24.13	97.8	29.50	104.7	32.12	111.7	35.39	125.0	41.74	139.0	43.92	
48	62.5	16.83	74.7	21.08	86.5	25.78	92.7	28.05	98.8	30.95	110.5	36.54	123.0	38.02	
60	10	67.8	7.34	81.0	8.60	94.2	10.01	100.8	10.74	107.5	11.42	120.5	12.95	133.8	14.48
	12	67.8	7.47	81.0	8.75	94.2	10.14	100.8	10.89	107.5	11.62	120.5	13.15	133.8	14.74
	14	67.8	7.54	81.0	8.88	94.2	10.34	100.8	11.07	107.5	11.82	120.5	13.40	133.8	15.01
	16	67.8	7.67	81.0	9.08	94.2	10.48	100.8	11.27	107.5	12.07	120.5	13.68	133.8	15.29
	18	67.8	7.80	81.0	9.20	94.2	10.68	100.8	11.47	107.5	12.27	120.5	13.88	133.8	15.62
	20	67.8	7.95	81.0	9.33	94.2	10.89	100.8	11.67	107.5	12.47	120.5	14.16	133.8	15.94
	21	67.8	8.00	81.0	9.41	94.2	11.01	100.8	11.82	107.5	12.60	120.5	14.34	133.8	16.07
	23	67.8	8.15	81.0	9.61	94.2	11.14	100.8	12.02	107.5	12.88	120.5	14.89	133.8	17.08
	25	67.8	8.27	81.0	9.81	94.2	11.62	100.8	12.60	107.5	13.68	120.5	15.89	133.8	18.28
	27	67.8	8.55	81.0	10.34	94.2	12.35	100.8	13.40	107.5	14.54	120.5	16.87	133.8	19.49
	29	67.8	9.08	81.0	11.01	94.2	13.15	100.8	14.28	107.5	15.49	120.5	18.01	133.8	20.82
	31	67.8	9.61	81.0	11.67	94.2	13.95	100.8	15.21	107.5	16.47	120.5	19.21	133.8	22.15
	33	67.8	10.14	81.0	12.35	94.2	14.81	100.8	16.14	107.5	17.55	120.5	20.42	133.8	23.61
	35	67.8	10.74	81.0	13.15	94.2	15.74	100.8	17.15	107.5	18.61	120.5	21.75	133.8	25.09
	37	67.8	11.34	81.0	13.88	94.2	16.67	100.8	18.21	107.5	19.74	120.5	23.08	133.8	26.68
	39	67.8	12.07	81.0	14.76	94.2	18.00	100.8	19.54	107.5	21.25	120.5	24.75	133.8	28.59
	41	66.0	13.08	79.0	16.17	91.8	19.56	98.2	21.35	104.7	23.06	117.5	27.16	130.5	31.08
	43	64.5	14.21	77.0	17.60	89.5	21.32	95.8	23.26	102.0	25.17	114.5	29.65	127.2	33.95
46	60.5	15.92	72.2	19.76	84.0	23.97	89.8	26.15	95.7	28.31	107.5	33.42	119.2	38.68	
48	53.5	13.88	63.8	17.25	74.2	20.95	79.5	22.83	84.5	24.74	95.0	29.22	105.5	33.85	
50	10	56.7	6.33	67.8	7.32	78.5	8.33	84.0	8.91	89.5	9.44	100.2	10.66	111.5	11.85
	12	56.7	6.38	67.8	7.39	78.5	8.46	84.0	9.06	89.5	9.65	100.2	10.86	111.5	12.05
	14	56.7	6.46	67.8	7.52	78.5	8.58	84.0	9.19	89.5	9.79	100.2	10.99	111.5	12.25
	16	56.7	6.58	67.8	7.65	78.5	8.71	84.0	9.39	89.5	9.92	100.2	11.19	111.5	12.45
	18	56.7	6.66	67.8	7.72	78.5	8.86	84.0	9.52	89.5	10.12	100.2	11.39	111.5	12.71
	20	56.7	6.73	67.8	7.85	78.5	9.06	84.0	9.65	89.5	10.33	100.2	11.59	111.5	12.99
	21	56.7	6.79	67.8	7.92	78.5	9.12	84.0	9.79	89.5	10.38	100.2	11.72	111.5	13.11
	23	56.7	6.91	67.8	8.05	78.5	9.26	84.0	9.92	89.5	10.58	100.2	11.92	111.5	13.39
	25	56.7	6.99	67.8	8.18	78.5	9.44	84.0	10.12	89.5	10.91	100.2	12.51	111.5	14.31
	27	56.7	7.12	67.8	8.46	78.5	9.98	84.0	10.78	89.5	11.59	100.2	13.39	111.5	15.24
	29	56.7	7.52	67.8	8.99	78.5	10.58	84.0	11.44	89.5	12.31	100.2	14.18	111.5	16.18
	31	56.7	7.92	67.8	9.52	78.5	11.24	84.0	12.12	89.5	13.11	100.2	15.11	111.5	17.24
	33	56.7	8.38	67.8	10.05	78.5	11.92	84.0	12.86	89.5	13.92	100.2	16.05	111.5	18.38
	35	56.7	8.86	67.8	10.66	78.5	12.58	84.0	13.65	89.5	14.71	100.2	16.98	111.5	19.50
	37	56.7	9.39	67.8	11.24	78.5	13.32	84.0	14.45	89.5	15.57	100.2	18.10	111.5	20.71
	39	56.7	10.00	67.8	12.05	78.5	14.26	84.0	15.55	89.5	16.71	100.2	19.29	111.5	22.36
	41	55.2	10.83	66.0	13.06	76.5	15.60	81.8	16.84	87.0	18.10	97.7	21.14	108.7	24.28
	43	54.0	11.77	64.5	14.20	74.7	16.96	79.8	18.33	85.0	19.72	95.2	23.06	106.0	26.48
46	50.5	13.19	60.5	15.92	70.0	19.04	74.8	20.58	79.5	22.13	89.2	25.95	99.5	29.82	
48	44.7	11.49	53.5	13.90	62.0	16.61	66.2	17.97	70.5	19.32	79.0	22.66	88.0	26.07	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN620BTE5

Cooling Capacity (62HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	158.6	18.73	189.1	22.87	202.5	26.53	208.5	27.09	214.2	27.29	224.5	27.52	230.4	27.62
	12	158.6	19.19	189.1	23.69	202.5	27.62	208.5	27.80	214.2	28.03	224.5	28.26	230.4	28.51
	14	158.6	19.82	189.1	24.55	202.5	28.67	208.5	28.87	214.2	29.10	224.5	29.35	230.4	29.60
	16	158.6	20.56	189.1	25.41	202.5	29.96	208.5	30.24	214.2	30.47	224.5	30.75	230.4	30.98
	18	158.6	21.42	189.1	26.88	202.5	31.33	208.5	32.00	214.2	32.25	224.5	32.58	230.4	32.81
	20	158.6	22.36	189.1	28.64	202.5	32.88	208.5	35.20	214.2	35.48	221.4	35.83	227.1	36.09
	21	158.6	22.95	189.1	29.63	202.5	33.57	208.5	37.25	214.2	37.56	220.1	37.92	225.8	38.19
	23	158.6	24.62	189.1	31.18	202.5	35.30	208.5	41.11	211.6	41.44	216.7	41.85	222.7	42.13
	25	158.6	26.30	189.1	32.98	202.5	37.74	205.9	45.59	208.5	45.95	214.2	46.40	220.1	46.73
	27	158.6	28.13	189.1	35.25	200.0	40.20	202.5	50.19	205.9	50.59	211.6	51.10	216.7	51.44
	29	158.6	29.98	189.1	37.69	196.8	43.25	199.7	55.17	202.5	55.50	208.5	55.98	214.2	56.21
	31	158.6	31.99	188.3	39.69	193.5	46.00	196.8	54.92	199.7	55.25	205.1	55.75	211.0	55.98
	33	158.6	34.08	185.2	42.06	190.9	49.35	194.0	54.43	196.8	54.76	202.5	55.25	207.7	55.45
	35	158.6	36.34	181.9	44.04	187.8	53.44	190.9	53.72	194.0	54.03	199.4	54.51	205.1	54.74
	37	158.6	38.75	179.3	46.22	185.2	52.73	187.8	53.01	190.9	53.32	196.1	53.80	202.0	54.00
	39	158.6	41.27	176.2	48.66	181.9	52.04	185.2	52.30	187.8	52.60	193.5	53.08	199.4	53.29
	41	154.7	43.78	168.9	51.08	174.6	51.33	177.2	51.59	180.6	51.89	186.0	52.35	191.2	52.58
	43	150.9	46.17	161.7	50.37	167.4	50.62	170.0	50.88	173.3	51.18	178.8	51.64	183.7	51.84
46	141.3	49.42	147.5	49.32	152.9	49.56	155.3	49.81	158.6	50.11	163.5	50.57	168.2	50.75	
48	125.0	48.03	128.1	48.18	133.0	48.28	135.1	48.41	138.0	48.84	142.4	49.15	146.5	49.33	
120	10	146.7	16.85	174.6	20.66	190.7	24.53	196.6	26.51	202.3	26.94	213.4	27.04	218.6	27.27
	12	146.7	17.30	174.6	21.35	190.7	25.52	196.6	27.07	202.3	27.93	213.4	28.28	218.6	28.49
	14	146.7	17.89	174.6	22.08	190.7	26.56	196.6	28.11	202.3	28.95	213.4	29.38	218.6	29.63
	16	146.7	18.53	174.6	22.97	190.7	27.57	196.6	29.15	202.3	30.29	213.4	30.67	218.6	30.90
	18	146.7	19.26	174.6	24.01	190.7	28.69	196.6	30.70	202.3	31.84	213.4	32.22	218.6	32.48
	20	146.7	20.00	174.6	25.46	190.7	30.22	196.6	32.30	202.3	33.54	213.4	33.98	218.6	34.25
	21	146.7	20.61	174.6	26.38	190.7	31.08	196.6	33.24	202.3	34.64	213.4	35.07	218.6	35.35
	23	146.7	22.03	174.6	28.21	190.7	33.29	196.6	35.32	202.3	36.93	213.4	37.30	218.6	37.61
	25	146.7	23.53	174.6	30.22	190.7	35.12	196.6	37.66	202.3	39.59	210.8	39.92	216.0	40.25
	27	146.7	25.11	174.6	32.32	190.7	37.38	196.6	40.23	202.3	42.56	207.5	42.85	212.8	43.20
	29	146.7	26.79	174.6	34.49	190.7	39.34	196.6	43.05	199.2	45.36	204.3	46.05	210.0	46.40
	31	146.7	28.56	174.6	36.85	190.7	41.37	194.0	46.12	196.6	48.66	201.8	49.53	206.9	49.91
	33	146.7	30.39	174.6	39.26	188.1	43.76	190.7	50.06	193.2	52.25	198.4	52.83	203.6	53.26
	35	146.7	32.32	174.6	41.86	185.0	46.30	187.5	55.17	190.7	55.43	195.8	55.60	201.0	56.04
	37	146.7	34.76	174.6	44.17	182.4	49.38	185.0	54.00	187.5	54.26	192.7	54.43	197.9	54.86
	39	146.7	37.43	173.9	46.68	179.0	52.37	181.6	52.88	184.2	53.16	190.1	53.31	195.3	53.74
	41	143.1	40.08	166.4	49.20	172.0	51.33	174.4	51.79	176.9	52.04	182.1	52.20	187.3	52.60
	43	139.5	42.79	159.4	48.51	164.8	50.19	167.2	50.67	169.7	50.93	174.7	51.08	179.8	51.48
46	130.7	46.00	145.2	47.34	150.6	48.61	152.7	49.00	155.0	49.25	159.9	49.40	164.6	49.78	
48	115.7	45.08	126.1	46.50	131.0	47.65	132.8	47.95	134.9	48.10	139.0	48.29	143.1	48.49	
110	10	134.3	15.15	160.2	18.47	178.8	21.93	183.9	23.74	195.6	25.54	200.2	26.25	213.7	26.68
	12	134.3	15.63	160.2	19.08	178.8	22.84	183.9	24.40	195.6	26.50	200.2	27.37	213.7	27.98
	14	134.3	16.11	160.2	19.95	178.8	23.86	183.9	25.62	195.6	27.85	200.2	28.64	213.7	29.23
	16	134.3	16.67	160.2	20.66	178.8	24.86	183.9	26.73	195.6	29.12	200.2	29.91	213.7	30.44
	18	134.3	17.30	160.2	21.53	178.8	26.30	183.9	28.16	195.6	30.72	200.2	31.33	213.7	31.92
	20	134.3	17.92	160.2	22.61	178.8	27.88	183.9	29.45	195.6	32.22	200.2	33.01	213.7	33.54
	21	134.3	18.32	160.2	23.28	178.8	28.59	183.9	30.24	195.6	33.11	200.2	33.95	213.7	34.48
	23	134.3	19.51	160.2	24.95	178.8	30.19	183.9	31.92	195.6	34.97	200.2	35.73	213.7	36.32
	25	134.3	20.84	160.2	26.63	178.8	31.89	183.9	33.75	195.6	36.95	200.2	37.48	211.1	38.25
	27	134.3	22.26	160.2	28.46	178.8	33.70	183.9	35.71	195.6	38.60	200.2	39.49	208.0	40.15
	29	134.3	23.78	160.2	30.39	178.8	35.63	183.9	37.82	195.6	40.79	200.2	41.50	205.4	42.11
	31	134.3	25.29	160.2	32.40	178.8	37.64	183.9	40.08	192.5	42.87	197.6	43.71	202.0	44.16
	33	134.3	26.96	160.2	34.49	178.8	39.77	183.9	42.46	189.9	45.26	194.3	46.02	199.4	46.27
	35	134.3	28.64	160.2	36.85	178.8	42.01	183.9	45.00	186.5	47.77	191.2	48.21	196.3	48.44
	37	134.3	30.34	160.2	39.11	178.8	44.34	181.4	47.67	183.4	50.37	188.6	50.55	193.0	50.70
	39	134.3	32.73	160.2	41.55	175.7	46.78	178.2	51.00	180.8	52.88	185.2	52.96	190.4	53.01
	41	131.0	35.09	156.0	43.99	168.2	49.33	170.8	55.17	172.9	55.17	178.0	55.60	182.4	56.04
	43	127.6	36.85	152.2	45.84	161.2	52.32	163.8	52.91	165.9	52.80	170.8	53.09	175.1	53.24
46	119.6	35.96	142.6	44.25	147.0	49.66	149.6	49.65	151.4	50.09	156.1	50.37	160.2	50.49	
48	105.9	34.92	124.0	42.64	127.6	47.24	130.0	47.55	131.7	47.80	135.9	47.93	139.3	48.11	

# 7. Capacity Tables

Cooling Capacity (62HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	117.3	13.64	139.5	16.57	162.5	19.67	173.6	21.25	184.7	22.84	204.9	25.41	209.3	25.62
	12	117.3	14.08	139.5	17.25	162.5	20.33	173.6	21.83	184.7	23.56	204.9	26.78	209.3	27.04
	14	117.3	14.51	139.5	17.94	162.5	21.19	173.6	22.77	184.7	24.57	204.9	28.28	209.3	28.54
	16	117.3	14.97	139.5	18.55	162.5	22.09	173.6	23.84	184.7	25.90	204.9	29.65	209.3	30.06
	18	117.3	15.40	139.5	19.23	162.5	22.95	173.6	25.01	184.7	27.47	204.9	31.33	209.3	31.58
	20	117.3	15.96	139.5	19.95	162.5	24.29	173.6	26.79	184.7	29.40	204.9	32.83	209.3	33.09
	21	117.3	16.29	139.5	20.43	162.5	25.11	173.6	27.72	184.7	30.47	204.9	33.57	209.3	33.85
	23	117.3	17.25	139.5	21.85	162.5	26.96	173.6	29.73	184.7	32.65	204.9	35.15	209.3	35.45
	25	117.3	18.35	139.5	23.28	162.5	28.79	173.6	31.82	184.7	34.92	204.9	36.65	207.7	36.95
	27	117.3	19.59	139.5	24.88	162.5	30.82	173.6	34.00	184.7	37.13	201.0	38.37	205.1	38.68
	29	117.3	20.84	139.5	26.53	162.5	32.91	173.6	36.34	184.7	39.29	197.1	39.92	202.0	40.25
	31	117.3	22.26	139.5	28.31	162.5	35.09	173.6	38.78	184.7	41.29	194.2	41.47	198.9	41.80
	33	117.3	23.61	139.5	30.14	162.5	37.43	173.6	41.37	184.7	42.84	191.1	43.02	195.8	43.36
	35	117.3	25.11	139.5	32.07	162.5	39.85	173.6	44.12	181.9	44.39	187.6	44.57	192.4	44.93
	37	117.3	26.91	139.5	34.41	162.5	42.21	173.6	46.23	179.0	46.45	184.2	46.63	188.6	47.07
	39	117.3	28.84	139.5	36.95	162.5	44.73	173.6	48.49	175.9	48.69	181.1	48.89	185.5	49.35
	41	115.2	30.78	137.2	39.49	159.9	47.26	166.6	50.75	170.2	50.95	174.1	51.13	179.8	51.61
	43	111.3	32.58	132.5	41.88	154.5	49.53	159.7	52.68	161.5	52.88	166.6	53.04	171.0	53.54
46	104.4	35.04	124.3	45.13	144.7	52.53	145.7	55.17	147.5	55.32	152.2	55.48	156.3	56.01	
48	92.2	30.26	109.8	39.06	124.8	44.90	126.8	46.81	128.1	46.96	132.3	47.06	135.9	47.44	
90	10	105.4	11.76	125.8	14.15	146.2	16.68	156.3	17.97	166.1	19.35	186.5	21.65	207.2	24.09
	12	105.4	11.91	125.8	14.36	146.2	16.96	156.3	18.34	166.1	19.78	186.5	22.08	207.2	24.50
	14	105.4	12.13	125.8	14.66	146.2	17.33	156.3	18.70	166.1	20.14	186.5	22.51	207.2	25.01
	16	105.4	12.34	125.8	14.94	146.2	17.69	156.3	19.05	166.1	20.51	186.5	22.94	207.2	25.43
	18	105.4	12.56	125.8	15.24	146.2	17.97	156.3	19.50	166.1	20.94	186.5	23.44	207.2	26.72
	20	105.4	12.77	125.8	15.52	146.2	18.34	156.3	19.86	166.1	21.73	186.5	25.08	207.2	27.98
	21	105.4	12.92	125.8	15.67	146.2	18.70	156.3	20.51	166.1	22.53	186.5	25.49	207.2	28.64
	23	105.4	13.22	125.8	16.32	146.2	20.01	156.3	22.03	166.1	24.12	186.5	27.05	204.3	29.98
	25	105.4	13.85	125.8	17.41	146.2	21.37	156.3	23.54	166.1	25.76	186.5	28.91	201.3	31.26
	27	105.4	14.81	125.8	18.55	146.2	22.81	156.3	25.13	166.1	27.58	186.5	30.73	198.4	32.73
	29	105.4	15.67	125.8	19.78	146.2	24.40	156.3	26.85	166.1	29.45	186.5	32.55	195.3	34.04
	31	105.4	16.68	125.8	21.09	146.2	25.99	156.3	28.59	166.1	31.41	186.5	34.19	192.5	35.37
	33	105.4	17.76	125.8	22.46	146.2	27.73	156.3	30.46	166.1	33.31	186.5	35.83	189.4	36.69
	35	105.4	18.85	125.8	23.82	146.2	29.45	156.3	32.50	166.1	35.32	183.4	37.90	186.5	38.76
	37	105.4	20.01	125.8	25.33	146.2	31.41	156.3	34.52	166.1	37.29	180.5	39.61	183.7	40.50
	39	105.4	21.17	125.8	26.95	146.2	33.23	156.3	36.73	166.1	39.21	177.5	41.76	180.6	42.26
	41	102.8	23.69	122.7	29.88	142.6	36.49	152.2	40.17	162.0	42.34	170.0	44.01	173.1	45.01
	43	100.2	25.58	119.6	32.30	139.0	39.86	148.5	43.25	157.9	45.39	163.0	47.13	166.1	47.69
46	93.8	28.79	112.1	36.76	130.2	45.42	139.2	49.05	143.4	50.44	148.8	51.73	151.6	51.80	
48	83.0	25.16	99.2	32.17	115.2	39.74	123.0	42.79	124.5	43.45	129.4	44.53	131.8	44.59	
80	10	93.5	9.83	111.6	11.80	129.7	13.85	139.0	14.96	148.3	16.05	166.1	18.30	184.2	19.87
	12	93.5	10.03	111.6	11.95	129.7	14.13	139.0	15.22	148.3	16.33	166.1	18.63	184.2	20.27
	14	93.5	10.16	111.6	12.23	129.7	14.33	139.0	15.49	148.3	16.58	166.1	18.98	184.2	20.65
	16	93.5	10.31	111.6	12.43	129.7	14.61	139.0	15.77	148.3	16.93	166.1	19.39	184.2	21.05
	18	93.5	10.51	111.6	12.64	129.7	14.89	139.0	16.05	148.3	17.26	166.1	19.74	184.2	21.51
	20	93.5	10.72	111.6	12.91	129.7	15.22	139.0	16.38	148.3	17.62	166.1	20.47	184.2	22.77
	21	93.5	10.79	111.6	13.04	129.7	15.37	139.0	16.58	148.3	18.02	166.1	21.13	184.2	23.38
	23	93.5	10.99	111.6	13.24	129.7	16.05	139.0	17.62	148.3	19.26	166.1	22.32	184.2	24.54
	25	93.5	11.40	111.6	14.13	129.7	17.21	139.0	18.85	148.3	20.62	166.1	23.88	184.2	26.24
	27	93.5	12.08	111.6	15.01	129.7	18.37	139.0	20.14	148.3	21.99	166.1	25.37	184.2	27.62
	29	93.5	12.84	111.6	16.05	129.7	19.54	139.0	21.43	148.3	23.48	166.1	27.17	184.2	29.55
	31	93.5	13.65	111.6	17.01	129.7	20.83	139.0	22.87	148.3	24.99	166.1	28.84	184.2	31.04
	33	93.5	14.48	111.6	18.17	129.7	22.19	139.0	24.37	148.3	26.62	166.1	30.38	184.2	32.53
	35	93.5	15.37	111.6	19.26	129.7	23.63	139.0	25.93	148.3	28.41	166.1	32.22	182.1	33.72
	37	93.5	16.25	111.6	20.47	129.7	25.05	139.0	27.58	148.3	30.18	166.1	34.02	179.3	35.26
	39	93.5	17.16	111.6	21.64	129.7	26.79	139.0	29.65	148.3	32.43	166.1	35.94	176.2	37.18
	41	91.2	19.00	108.8	23.98	126.3	29.42	135.4	32.50	144.4	35.64	162.0	39.99	168.9	41.22
	43	88.9	20.90	106.1	26.16	123.2	32.10	132.0	35.43	140.8	38.95	157.9	42.79	162.0	44.13
46	83.4	23.28	99.4	29.47	115.5	36.17	123.7	39.43	132.0	43.95	144.4	46.71	147.8	47.44	
48	73.9	20.32	87.9	25.78	102.1	31.64	109.5	34.45	116.8	38.47	125.3	40.42	128.4	40.85	

# 7. Capacity Tables

Cooling Capacity (62HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	81.9	8.61	97.9	10.23	113.4	11.87	121.4	12.81	129.7	13.70	145.2	15.60	161.2	17.44
	12	81.9	8.74	97.9	10.38	113.4	12.13	121.4	13.01	129.7	13.97	145.2	15.85	161.2	17.77
	14	81.9	8.89	97.9	10.51	113.4	12.33	121.4	13.22	129.7	14.18	145.2	16.20	161.2	18.10
	16	81.9	9.01	97.9	10.71	113.4	12.53	121.4	13.49	129.7	14.43	145.2	16.48	161.2	18.48
	18	81.9	9.14	97.9	10.91	113.4	12.81	121.4	13.75	129.7	14.71	145.2	16.74	161.2	18.81
	20	81.9	9.29	97.9	11.12	113.4	13.01	121.4	14.03	129.7	15.04	145.2	17.14	161.2	19.52
	21	81.9	9.42	97.9	11.19	113.4	13.14	121.4	14.18	129.7	15.19	145.2	17.42	161.2	19.93
	23	81.9	9.57	97.9	11.45	113.4	13.42	121.4	14.64	129.7	15.93	145.2	18.64	161.2	21.04
	25	81.9	9.70	97.9	11.87	113.4	14.30	121.4	15.65	129.7	17.01	145.2	19.93	161.2	22.08
	27	81.9	10.23	97.9	12.68	113.4	15.24	121.4	16.61	129.7	18.18	145.2	21.29	161.2	23.45
	29	81.9	10.91	97.9	13.42	113.4	16.20	121.4	17.70	129.7	19.32	145.2	22.71	161.2	25.12
	31	81.9	11.59	97.9	14.30	113.4	17.29	121.4	18.91	129.7	20.61	145.2	24.20	161.2	26.66
	33	81.9	12.28	97.9	15.12	113.4	18.38	121.4	20.05	129.7	21.90	145.2	25.75	161.2	28.38
	35	81.9	12.94	97.9	16.13	113.4	19.52	121.4	21.35	129.7	23.32	145.2	27.45	161.2	30.10
	37	81.9	13.75	97.9	17.09	113.4	20.74	121.4	22.71	129.7	24.81	145.2	29.22	161.2	31.77
	39	81.9	14.61	97.9	18.23	113.4	22.18	121.4	24.43	129.7	26.81	145.2	31.27	161.2	34.25
	41	79.8	16.15	95.4	19.95	110.6	24.33	118.3	26.79	126.3	29.14	141.3	34.33	157.1	36.94
	43	77.8	17.59	93.0	21.75	107.7	26.54	115.5	29.22	123.2	31.82	137.9	37.52	153.2	39.95
46	72.9	19.55	87.3	24.46	101.0	29.90	108.2	32.56	115.5	35.87	129.2	42.31	143.6	44.51	
48	64.6	17.06	77.2	21.37	89.4	26.13	95.8	28.44	102.1	31.37	114.2	37.04	127.1	38.53	
60	10	70.0	7.41	83.7	8.68	97.4	10.09	104.1	10.83	111.1	11.51	124.5	13.06	138.2	14.61
	12	70.0	7.53	83.7	8.82	97.4	10.22	104.1	10.98	111.1	11.72	124.5	13.26	138.2	14.87
	14	70.0	7.61	83.7	8.95	97.4	10.43	104.1	11.16	111.1	11.92	124.5	13.52	138.2	15.14
	16	70.0	7.74	83.7	9.16	97.4	10.57	104.1	11.37	111.1	12.18	124.5	13.80	138.2	15.42
	18	70.0	7.87	83.7	9.28	97.4	10.78	104.1	11.57	111.1	12.38	124.5	14.00	138.2	15.75
	20	70.0	8.01	83.7	9.41	97.4	10.98	104.1	11.77	111.1	12.58	124.5	14.28	138.2	16.08
	21	70.0	8.07	83.7	9.49	97.4	11.11	104.1	11.92	111.1	12.71	124.5	14.46	138.2	16.21
	23	70.0	8.22	83.7	9.69	97.4	11.24	104.1	12.12	111.1	12.99	124.5	15.01	138.2	17.22
	25	70.0	8.34	83.7	9.89	97.4	11.72	104.1	12.71	111.1	13.80	124.5	16.03	138.2	18.44
	27	70.0	8.62	83.7	10.43	97.4	12.45	104.1	13.52	111.1	14.66	124.5	17.02	138.2	19.66
	29	70.0	9.16	83.7	11.11	97.4	13.26	104.1	14.41	111.1	15.62	124.5	18.16	138.2	21.00
	31	70.0	9.69	83.7	11.77	97.4	14.07	104.1	15.34	111.1	16.62	124.5	19.38	138.2	22.34
	33	70.0	10.22	83.7	12.45	97.4	14.94	104.1	16.28	111.1	17.70	124.5	20.59	138.2	23.82
	35	70.0	10.83	83.7	13.26	97.4	15.88	104.1	17.30	111.1	18.77	124.5	21.94	138.2	25.31
	37	70.0	11.44	83.7	14.00	97.4	16.82	104.1	18.37	111.1	19.91	124.5	23.28	138.2	26.91
	39	70.0	12.17	83.7	14.89	97.4	18.16	104.1	19.71	111.1	21.43	124.5	24.96	138.2	28.84
	41	68.2	13.19	81.6	16.31	94.8	19.73	101.5	21.53	108.2	23.26	121.4	27.39	134.8	31.35
	43	66.6	14.33	79.6	17.75	92.5	21.51	99.0	23.46	105.4	25.39	118.3	29.90	131.5	34.24
46	62.5	16.06	74.6	19.93	86.8	24.17	92.7	26.38	98.9	28.56	111.1	33.71	123.2	39.01	
48	55.3	14.00	65.9	17.40	76.7	21.13	82.1	23.03	87.3	24.96	98.2	29.47	109.0	34.14	
50	10	58.6	6.35	70.0	7.34	81.1	8.36	86.8	8.95	92.5	9.48	103.6	10.70	115.2	11.89
	12	58.6	6.41	70.0	7.42	81.1	8.49	86.8	9.09	92.5	9.68	103.6	10.90	115.2	12.09
	14	58.6	6.48	70.0	7.55	81.1	8.61	86.8	9.22	92.5	9.83	103.6	11.03	115.2	12.30
	16	58.6	6.61	70.0	7.68	81.1	8.74	86.8	9.43	92.5	9.96	103.6	11.23	115.2	12.50
	18	58.6	6.68	70.0	7.75	81.1	8.89	86.8	9.55	92.5	10.16	103.6	11.43	115.2	12.76
	20	58.6	6.76	70.0	7.88	81.1	9.09	86.8	9.68	92.5	10.36	103.6	11.63	115.2	13.03
	21	58.6	6.81	70.0	7.95	81.1	9.15	86.8	9.83	92.5	10.42	103.6	11.76	115.2	13.16
	23	58.6	6.94	70.0	8.08	81.1	9.30	86.8	9.96	92.5	10.62	103.6	11.97	115.2	13.44
	25	58.6	7.01	70.0	8.21	81.1	9.48	86.8	10.16	92.5	10.95	103.6	12.55	115.2	14.36
	27	58.6	7.14	70.0	8.49	81.1	10.01	86.8	10.82	92.5	11.63	103.6	13.44	115.2	15.30
	29	58.6	7.55	70.0	9.02	81.1	10.62	86.8	11.49	92.5	12.35	103.6	14.23	115.2	16.24
	31	58.6	7.95	70.0	9.55	81.1	11.28	86.8	12.17	92.5	13.16	103.6	15.17	115.2	17.30
	33	58.6	8.41	70.0	10.09	81.1	11.97	86.8	12.90	92.5	13.97	103.6	16.11	115.2	18.45
	35	58.6	8.89	70.0	10.70	81.1	12.63	86.8	13.70	92.5	14.76	103.6	17.05	115.2	19.57
	37	58.6	9.43	70.0	11.28	81.1	13.36	86.8	14.51	92.5	15.63	103.6	18.17	115.2	20.78
	39	58.6	10.04	70.0	12.10	81.1	14.31	86.8	15.60	92.5	16.77	103.6	19.36	115.2	22.44
	41	57.1	10.87	68.2	13.11	79.1	15.65	84.5	16.90	89.9	18.17	101.0	21.22	112.4	24.37
	43	55.8	11.81	66.6	14.25	77.2	17.03	82.4	18.40	87.8	19.79	98.4	23.15	109.5	26.58
46	52.2	13.24	62.5	15.98	72.3	19.11	77.3	20.66	82.2	22.21	92.2	26.04	102.8	29.93	
48	46.2	11.53	55.3	13.95	64.0	16.67	68.4	18.04	72.8	19.39	81.6	22.74	90.9	26.17	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

◆ ARUN640BTE5

Cooling Capacity (64HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	163.8	19.47	195.2	23.78	209.1	27.58	215.2	28.16	221.1	28.37	231.7	28.61	237.8	28.72
	12	163.8	19.94	195.2	24.62	209.1	28.72	215.2	28.90	221.1	29.14	231.7	29.38	237.8	29.64
	14	163.8	20.61	195.2	25.52	209.1	29.80	215.2	30.01	221.1	30.25	231.7	30.51	237.8	30.78
	16	163.8	21.37	195.2	26.42	209.1	31.14	215.2	31.44	221.1	31.68	231.7	31.96	237.8	32.21
	18	163.8	22.27	195.2	27.95	209.1	32.57	215.2	33.26	221.1	33.53	231.7	33.87	237.8	34.10
	20	163.8	23.25	195.2	29.77	209.1	34.18	215.2	36.59	221.1	36.88	228.5	37.25	234.4	37.51
	21	163.8	23.85	195.2	30.81	209.1	34.90	215.2	38.73	221.1	39.04	227.2	39.42	233.1	39.70
	23	163.8	25.60	195.2	32.42	209.1	36.70	215.2	42.74	218.4	43.09	223.7	43.51	229.8	43.80
	25	163.8	27.34	195.2	34.29	209.1	39.23	212.5	47.39	215.2	47.77	221.1	48.24	227.2	48.58
	27	163.8	29.25	195.2	36.64	206.4	41.79	209.1	52.18	212.5	52.60	218.4	53.12	223.7	53.47
	29	163.8	31.17	195.2	39.18	203.2	44.96	206.1	57.35	209.1	57.69	215.2	58.20	221.1	58.44
	31	163.8	33.26	194.4	41.27	199.7	47.82	203.2	57.09	206.1	57.44	211.7	57.96	217.8	58.20
	33	163.8	35.43	191.2	43.72	197.1	51.30	200.3	56.59	203.2	56.93	209.1	57.43	214.4	57.65
	35	163.8	37.78	187.7	45.78	193.8	55.56	197.1	55.85	200.3	56.17	205.8	56.67	211.7	56.90
	37	163.8	40.29	185.1	48.05	191.2	54.82	193.8	55.11	197.1	55.43	202.4	55.93	208.5	56.14
	39	163.8	42.90	181.9	50.59	187.7	54.10	191.2	54.37	193.8	54.69	199.7	55.19	205.8	55.40
	41	159.7	45.52	174.4	53.10	180.2	53.36	182.9	53.63	186.4	53.95	192.0	54.42	197.3	54.66
	43	155.7	48.00	167.0	52.36	172.8	52.63	175.5	52.89	178.9	53.21	184.5	53.68	189.6	53.89
46	145.9	51.38	152.3	51.27	157.9	51.52	160.3	51.78	163.7	52.10	168.8	52.57	173.6	52.76	
48	129.1	49.93	132.3	50.09	137.3	50.19	139.5	50.33	142.4	50.77	146.9	51.09	151.2	51.28	
120	10	151.5	17.51	180.2	21.48	196.8	25.50	202.9	27.56	208.8	28.00	220.3	28.11	225.6	28.34
	12	151.5	17.99	180.2	22.19	196.8	26.53	202.9	28.14	208.8	29.03	220.3	29.40	225.6	29.62
	14	151.5	18.60	180.2	22.95	196.8	27.61	202.9	29.22	208.8	30.09	220.3	30.54	225.6	30.80
	16	151.5	19.26	180.2	23.88	196.8	28.67	202.9	30.30	208.8	31.49	220.3	31.89	225.6	32.13
	18	151.5	20.02	180.2	24.96	196.8	29.82	202.9	31.91	208.8	33.10	220.3	33.50	225.6	33.76
	20	151.5	20.79	180.2	26.47	196.8	31.41	202.9	33.58	208.8	34.87	220.3	35.32	225.6	35.61
	21	151.5	21.42	180.2	27.42	196.8	32.31	202.9	34.56	208.8	36.01	220.3	36.46	225.6	36.75
	23	151.5	22.90	180.2	29.33	196.8	34.61	202.9	36.72	208.8	38.39	220.3	38.78	225.6	39.10
	25	151.5	24.46	180.2	31.41	196.8	36.51	202.9	39.15	208.8	41.16	217.6	41.51	222.9	41.85
	27	151.5	26.10	180.2	33.60	196.8	38.86	202.9	41.82	208.8	44.25	214.2	44.54	219.7	44.91
	29	151.5	27.85	180.2	35.85	196.8	40.89	202.9	44.75	205.6	47.16	210.9	47.87	216.8	48.24
	31	151.5	29.69	180.2	38.30	196.8	43.01	200.3	47.95	202.9	50.59	208.3	51.49	213.6	51.89
	33	151.5	31.60	180.2	40.82	194.2	45.49	196.8	52.05	199.5	54.31	204.8	54.92	210.2	55.37
	35	151.5	33.60	180.2	43.51	190.9	48.14	193.6	57.35	196.8	57.62	202.2	57.80	207.5	58.25
	37	151.5	36.14	180.2	45.92	188.2	51.33	190.9	56.14	193.6	56.41	198.9	56.59	204.3	57.04
	39	151.5	38.91	179.5	48.53	184.8	54.45	187.5	54.98	190.1	55.26	196.3	55.42	201.6	55.87
	41	147.7	41.66	171.7	51.15	177.6	53.36	180.0	53.84	182.7	54.10	188.0	54.26	193.3	54.69
	43	144.0	44.49	164.5	50.43	170.1	52.17	172.6	52.68	175.2	52.94	180.3	53.10	185.6	53.52
46	134.9	47.82	149.9	49.22	155.5	50.54	157.6	50.94	160.0	51.20	165.0	51.36	169.9	51.75	
48	119.4	46.86	130.2	48.34	135.2	49.54	137.1	49.85	139.2	50.01	143.5	50.20	147.8	50.41	
110	10	138.7	15.75	165.3	19.20	184.6	22.80	189.9	24.68	201.9	26.55	206.7	27.29	220.5	27.74
	12	138.7	16.25	165.3	19.84	184.6	23.75	189.9	25.36	201.9	27.55	206.7	28.45	220.5	29.09
	14	138.7	16.75	165.3	20.74	184.6	24.81	189.9	26.63	201.9	28.95	206.7	29.77	220.5	30.38
	16	138.7	17.33	165.3	21.48	184.6	25.84	189.9	27.79	201.9	30.28	206.7	31.10	220.5	31.65
	18	138.7	17.99	165.3	22.38	184.6	27.34	189.9	29.27	201.9	31.94	206.7	32.57	220.5	33.18
	20	138.7	18.62	165.3	23.51	184.6	28.98	189.9	30.62	201.9	33.50	206.7	34.32	220.5	34.87
	21	138.7	19.04	165.3	24.20	184.6	29.72	189.9	31.44	201.9	34.42	206.7	35.29	220.5	35.85
	23	138.7	20.29	165.3	25.94	184.6	31.39	189.9	33.18	201.9	36.35	206.7	37.14	220.5	37.75
	25	138.7	21.67	165.3	27.68	184.6	33.16	189.9	35.08	201.9	38.41	206.7	38.97	217.9	39.76
	27	138.7	23.15	165.3	29.59	184.6	35.03	189.9	37.12	201.9	40.13	206.7	41.05	214.7	41.74
	29	138.7	24.73	165.3	31.60	184.6	37.04	189.9	39.31	201.9	42.40	206.7	43.14	212.0	43.78
	31	138.7	26.29	165.3	33.68	184.6	39.13	189.9	41.66	198.7	44.56	204.0	45.44	208.6	45.91
	33	138.7	28.03	165.3	35.85	184.6	41.34	189.9	44.15	196.0	47.05	200.6	47.84	205.9	48.10
	35	138.7	29.77	165.3	38.30	184.6	43.67	189.9	46.79	192.6	49.66	197.3	50.12	202.7	50.36
	37	138.7	31.54	165.3	40.66	184.6	46.10	187.2	49.56	189.3	52.36	194.7	52.55	199.2	52.70
	39	138.7	34.02	165.3	43.19	181.3	48.64	184.0	53.02	186.7	54.97	191.2	55.06	196.6	55.11
	41	135.2	36.48	161.1	45.73	173.6	51.28	176.3	57.35	178.4	57.35	183.7	57.80	188.3	58.25
	43	131.7	38.31	157.1	47.66	166.4	54.39	169.1	55.00	171.2	54.89	176.3	55.19	180.8	55.35
46	123.5	37.38	147.2	46.00	151.7	51.62	154.4	51.62	156.3	52.07	161.1	52.36	165.3	52.49	
48	109.3	36.30	128.0	44.33	131.7	49.11	134.1	49.43	136.0	49.69	140.2	49.82	143.8	50.01	

# 7. Capacity Tables

Cooling Capacity (64HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	121.0	14.18	144.0	17.23	167.7	20.45	179.2	22.09	190.7	23.75	211.5	26.42	216.0	26.63
	12	121.0	14.64	144.0	17.94	167.7	21.13	179.2	22.69	190.7	24.49	211.5	27.84	216.0	28.11
	14	121.0	15.09	144.0	18.65	167.7	22.03	179.2	23.67	190.7	25.55	211.5	29.40	216.0	29.67
	16	121.0	15.56	144.0	19.28	167.7	22.96	179.2	24.78	190.7	26.92	211.5	30.83	216.0	31.25
	18	121.0	16.01	144.0	20.00	167.7	23.86	179.2	26.00	190.7	28.56	211.5	32.57	216.0	32.83
	20	121.0	16.59	144.0	20.74	167.7	25.25	179.2	27.85	190.7	30.56	211.5	34.13	216.0	34.40
	21	121.0	16.93	144.0	21.24	167.7	26.10	179.2	28.82	190.7	31.68	211.5	34.90	216.0	35.19
	23	121.0	17.94	144.0	22.72	167.7	28.03	179.2	30.91	190.7	33.95	211.5	36.54	216.0	36.85
	25	121.0	19.07	144.0	24.20	167.7	29.93	179.2	33.08	190.7	36.30	211.5	38.10	214.4	38.41
	27	121.0	20.37	144.0	25.86	167.7	32.04	179.2	35.35	190.7	38.60	207.4	39.89	211.7	40.21
	29	121.0	21.67	144.0	27.58	167.7	34.21	179.2	37.78	190.7	40.84	203.5	41.50	208.5	41.84
	31	121.0	23.15	144.0	29.43	167.7	36.48	179.2	40.31	190.7	42.93	200.5	43.11	205.3	43.46
	33	121.0	24.54	144.0	31.33	167.7	38.91	179.2	43.01	190.7	44.54	197.3	44.72	202.1	45.07
	35	121.0	26.10	144.0	33.34	167.7	41.43	179.2	45.86	187.8	46.15	193.6	46.33	198.6	46.70
	37	121.0	27.97	144.0	35.77	167.7	43.88	179.2	48.05	184.8	48.29	190.1	48.48	194.6	48.93
	39	121.0	29.98	144.0	38.41	167.7	46.50	179.2	50.41	181.6	50.62	186.9	50.83	191.4	51.30
	41	119.0	31.99	141.6	41.06	165.1	49.14	172.0	52.76	175.7	52.97	179.8	53.15	185.6	53.65
	43	114.9	33.87	136.8	43.54	159.4	51.49	164.8	54.77	166.7	54.97	172.0	55.14	176.5	55.66
46	107.7	36.43	128.3	46.92	149.3	54.60	150.4	57.35	152.2	57.51	157.1	57.67	161.3	58.22	
48	95.2	31.46	113.4	40.60	128.8	46.68	130.9	48.66	132.2	48.82	136.5	48.92	140.3	49.32	
90	10	108.8	12.21	129.9	14.69	151.0	17.31	161.3	18.65	171.5	20.09	192.6	22.47	213.8	25.01
	12	108.8	12.36	129.9	14.90	151.0	17.60	161.3	19.04	171.5	20.53	192.6	22.92	213.8	25.43
	14	108.8	12.60	129.9	15.22	151.0	17.99	161.3	19.41	171.5	20.90	192.6	23.36	213.8	25.96
	16	108.8	12.81	129.9	15.51	151.0	18.36	161.3	19.78	171.5	21.29	192.6	23.81	213.8	26.40
	18	108.8	13.04	129.9	15.82	151.0	18.65	161.3	20.24	171.5	21.74	192.6	24.33	213.8	27.73
	20	108.8	13.25	129.9	16.11	151.0	19.04	161.3	20.61	171.5	22.55	192.6	26.03	213.8	29.05
	21	108.8	13.41	129.9	16.26	151.0	19.41	161.3	21.29	171.5	23.39	192.6	26.45	213.8	29.72
	23	108.8	13.72	129.9	16.94	151.0	20.77	161.3	22.86	171.5	25.04	192.6	28.07	210.9	31.12
	25	108.8	14.38	129.9	18.07	151.0	22.18	161.3	24.43	171.5	26.74	192.6	30.01	207.7	32.45
	27	108.8	15.37	129.9	19.25	151.0	23.68	161.3	26.08	171.5	28.63	192.6	31.90	204.8	33.97
	29	108.8	16.26	129.9	20.53	151.0	25.33	161.3	27.87	171.5	30.57	192.6	33.79	201.6	35.33
	31	108.8	17.31	129.9	21.89	151.0	26.98	161.3	29.67	171.5	32.60	192.6	35.49	198.7	36.72
	33	108.8	18.44	129.9	23.31	151.0	28.78	161.3	31.61	171.5	34.57	192.6	37.19	195.5	38.08
	35	108.8	19.56	129.9	24.72	151.0	30.57	161.3	33.73	171.5	36.67	189.3	39.34	192.5	40.23
	37	108.8	20.77	129.9	26.30	151.0	32.61	161.3	35.83	171.5	38.71	186.4	41.12	189.6	42.04
	39	108.8	21.97	129.9	27.97	151.0	34.50	161.3	38.13	171.5	40.70	183.2	43.35	186.4	43.87
	41	106.1	24.59	126.6	31.01	147.2	37.87	157.1	41.69	167.2	43.94	175.5	45.68	178.7	46.72
	43	103.4	26.55	123.5	33.52	143.5	41.38	153.3	44.89	162.9	47.11	168.3	48.92	171.5	49.50
46	96.8	29.88	115.7	38.16	134.4	47.14	143.7	50.91	148.0	52.35	153.6	53.69	156.5	53.77	
48	85.6	26.11	102.4	33.39	118.9	41.25	127.0	44.42	128.6	45.10	133.6	46.23	136.0	46.28	
80	10	96.6	10.21	115.2	12.26	133.8	14.38	143.4	15.53	153.0	16.66	171.5	19.00	190.1	20.63
	12	96.6	10.42	115.2	12.41	133.8	14.67	143.4	15.80	153.0	16.95	171.5	19.34	190.1	21.04
	14	96.6	10.55	115.2	12.70	133.8	14.88	143.4	16.09	153.0	17.22	171.5	19.71	190.1	21.44
	16	96.6	10.71	115.2	12.91	133.8	15.17	143.4	16.37	153.0	17.58	171.5	20.13	190.1	21.86
	18	96.6	10.92	115.2	13.12	133.8	15.46	143.4	16.66	153.0	17.93	171.5	20.49	190.1	22.33
	20	96.6	11.13	115.2	13.41	133.8	15.80	143.4	17.01	153.0	18.29	171.5	21.26	190.1	23.65
	21	96.6	11.20	115.2	13.54	133.8	15.95	143.4	17.22	153.0	18.71	171.5	21.94	190.1	24.28
	23	96.6	11.41	115.2	13.75	133.8	16.66	143.4	18.29	153.0	19.99	171.5	23.17	190.1	25.48
	25	96.6	11.84	115.2	14.67	133.8	17.87	143.4	19.57	153.0	21.41	171.5	24.80	190.1	27.24
	27	96.6	12.54	115.2	15.59	133.8	19.08	143.4	20.91	153.0	22.83	171.5	26.34	190.1	28.68
	29	96.6	13.33	115.2	16.66	133.8	20.28	143.4	22.25	153.0	24.38	171.5	28.21	190.1	30.68
	31	96.6	14.17	115.2	17.66	133.8	21.62	143.4	23.75	153.0	25.95	171.5	29.94	190.1	32.22
	33	96.6	15.03	115.2	18.86	133.8	23.04	143.4	25.30	153.0	27.64	171.5	31.54	190.1	33.77
	35	96.6	15.95	115.2	19.99	133.8	24.53	143.4	26.93	153.0	29.49	171.5	33.46	188.0	35.01
	37	96.6	16.87	115.2	21.25	133.8	26.01	143.4	28.63	153.0	31.33	171.5	35.32	185.1	36.61
	39	96.6	17.82	115.2	22.46	133.8	27.82	143.4	30.78	153.0	33.67	171.5	37.31	181.9	38.60
	41	94.1	19.73	112.3	24.90	130.4	30.54	139.7	33.75	149.1	37.00	167.2	41.51	174.4	42.80
	43	91.8	21.70	109.6	27.16	127.2	33.33	136.3	36.79	145.3	40.44	162.9	44.42	167.2	45.82
46	86.1	24.17	102.6	30.60	119.2	37.55	127.7	40.94	136.3	45.63	149.1	48.49	152.5	49.26	
48	76.2	21.10	90.7	26.76	105.3	32.85	113.0	35.76	120.5	39.94	129.4	41.96	132.5	42.41	



# 7. Capacity Tables

Cooling Capacity (64HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	84.5	8.94	101.1	10.62	117.1	12.33	125.4	13.30	133.8	14.22	149.8	16.20	166.4	18.12
	12	84.5	9.07	101.1	10.78	117.1	12.60	125.4	13.52	133.8	14.51	149.8	16.46	166.4	18.46
	14	84.5	9.23	101.1	10.91	117.1	12.81	125.4	13.73	133.8	14.72	149.8	16.83	166.4	18.80
	16	84.5	9.36	101.1	11.12	117.1	13.02	125.4	14.01	133.8	14.99	149.8	17.11	166.4	19.19
	18	84.5	9.49	101.1	11.33	117.1	13.30	125.4	14.28	133.8	15.28	149.8	17.38	166.4	19.54
	20	84.5	9.65	101.1	11.54	117.1	13.52	125.4	14.57	133.8	15.62	149.8	17.80	166.4	20.27
	21	84.5	9.78	101.1	11.62	117.1	13.65	125.4	14.72	133.8	15.77	149.8	18.09	166.4	20.70
	23	84.5	9.94	101.1	11.89	117.1	13.94	125.4	15.20	133.8	16.54	149.8	19.35	166.4	21.85
	25	84.5	10.07	101.1	12.33	117.1	14.86	125.4	16.25	133.8	17.67	149.8	20.69	166.4	22.93
	27	84.5	10.62	101.1	13.17	117.1	15.83	125.4	17.25	133.8	18.88	149.8	22.11	166.4	24.35
	29	84.5	11.33	101.1	13.94	117.1	16.83	125.4	18.38	133.8	20.06	149.8	23.58	166.4	26.09
	31	84.5	12.04	101.1	14.86	117.1	17.96	125.4	19.64	133.8	21.40	149.8	25.14	166.4	27.69
	33	84.5	12.75	101.1	15.70	117.1	19.09	125.4	20.83	133.8	22.74	149.8	26.74	166.4	29.48
	35	84.5	13.44	101.1	16.75	117.1	20.27	125.4	22.17	133.8	24.22	149.8	28.50	166.4	31.26
	37	84.5	14.28	101.1	17.75	117.1	21.54	125.4	23.58	133.8	25.77	149.8	30.34	166.4	33.00
	39	84.5	15.17	101.1	18.93	117.1	23.03	125.4	25.37	133.8	27.84	149.8	32.47	166.4	35.57
	41	82.4	16.78	98.4	20.72	114.1	25.27	122.2	27.82	130.4	30.26	145.9	35.66	162.1	38.36
	43	80.3	18.27	96.0	22.59	111.2	27.56	119.2	30.34	127.2	33.05	142.4	38.97	158.1	41.49
46	75.2	20.30	90.1	25.40	104.3	31.05	111.7	33.81	119.2	37.26	133.3	43.94	148.2	46.23	
48	66.6	17.72	79.7	22.19	92.3	27.14	98.9	29.53	105.3	32.58	117.9	38.46	131.2	40.02	
60	10	72.3	7.69	86.4	9.01	100.5	10.49	107.5	11.25	114.6	11.96	128.6	13.57	142.7	15.17
	12	72.3	7.83	86.4	9.17	100.5	10.62	107.5	11.41	114.6	12.17	128.6	13.78	142.7	15.44
	14	72.3	7.90	86.4	9.30	100.5	10.83	107.5	11.60	114.6	12.38	128.6	14.05	142.7	15.73
	16	72.3	8.04	86.4	9.51	100.5	10.98	107.5	11.81	114.6	12.65	128.6	14.33	142.7	16.02
	18	72.3	8.17	86.4	9.64	100.5	11.19	107.5	12.02	114.6	12.86	128.6	14.54	142.7	16.36
	20	72.3	8.32	86.4	9.78	100.5	11.41	107.5	12.23	114.6	13.07	128.6	14.83	142.7	16.71
	21	72.3	8.38	86.4	9.85	100.5	11.54	107.5	12.38	114.6	13.20	128.6	15.02	142.7	16.84
	23	72.3	8.53	86.4	10.07	100.5	11.67	107.5	12.59	114.6	13.49	128.6	15.60	142.7	17.89
	25	72.3	8.67	86.4	10.28	100.5	12.17	107.5	13.20	114.6	14.33	128.6	16.65	142.7	19.15
	27	72.3	8.96	86.4	10.83	100.5	12.94	107.5	14.05	114.6	15.23	128.6	17.68	142.7	20.42
	29	72.3	9.51	86.4	11.54	100.5	13.78	107.5	14.96	114.6	16.23	128.6	18.87	142.7	21.81
	31	72.3	10.07	86.4	12.23	100.5	14.62	107.5	15.94	114.6	17.26	128.6	20.13	142.7	23.21
	33	72.3	10.62	86.4	12.94	100.5	15.52	107.5	16.92	114.6	18.39	128.6	21.39	142.7	24.74
	35	72.3	11.25	86.4	13.78	100.5	16.49	107.5	17.97	114.6	19.50	128.6	22.79	142.7	26.29
	37	72.3	11.88	86.4	14.54	100.5	17.47	107.5	19.08	114.6	20.69	128.6	24.19	142.7	27.96
	39	72.3	12.64	86.4	15.47	100.5	18.86	107.5	20.47	114.6	22.26	128.6	25.93	142.7	29.96
	41	70.4	13.70	84.2	16.94	97.9	20.50	104.8	22.37	111.7	24.16	125.3	28.46	139.2	32.56
	43	68.8	14.89	82.1	18.44	95.5	22.34	102.1	24.37	108.8	26.37	122.2	31.07	135.7	35.57
46	64.5	16.68	77.0	20.71	89.6	25.11	95.7	27.40	102.1	29.67	114.6	35.01	127.2	40.52	
48	57.0	14.54	68.0	18.07	79.2	21.95	84.8	23.93	90.2	25.92	101.3	30.62	112.5	35.46	
50	10	60.5	6.60	72.3	7.63	83.8	8.68	89.6	9.30	95.4	9.85	106.9	11.11	119.0	12.36
	12	60.5	6.66	72.3	7.71	83.8	8.82	89.6	9.45	95.4	10.06	106.9	11.32	119.0	12.57
	14	60.5	6.73	72.3	7.84	83.8	8.95	89.6	9.58	95.4	10.21	106.9	11.46	119.0	12.78
	16	60.5	6.87	72.3	7.98	83.8	9.09	89.6	9.79	95.4	10.35	106.9	11.67	119.0	12.99
	18	60.5	6.94	72.3	8.05	83.8	9.24	89.6	9.93	95.4	10.56	106.9	11.88	119.0	13.26
	20	60.5	7.02	72.3	8.19	83.8	9.45	89.6	10.06	95.4	10.77	106.9	12.09	119.0	13.54
	21	60.5	7.08	72.3	8.26	83.8	9.51	89.6	10.21	95.4	10.83	106.9	12.22	119.0	13.68
	23	60.5	7.21	72.3	8.40	83.8	9.66	89.6	10.35	95.4	11.04	106.9	12.43	119.0	13.96
	25	60.5	7.29	72.3	8.53	83.8	9.85	89.6	10.56	95.4	11.38	106.9	13.04	119.0	14.92
	27	60.5	7.42	72.3	8.82	83.8	10.40	89.6	11.25	95.4	12.09	106.9	13.96	119.0	15.89
	29	60.5	7.84	72.3	9.37	83.8	11.04	89.6	11.94	95.4	12.83	106.9	14.79	119.0	16.87
	31	60.5	8.26	72.3	9.93	83.8	11.72	89.6	12.64	95.4	13.68	106.9	15.76	119.0	17.98
	33	60.5	8.74	72.3	10.48	83.8	12.43	89.6	13.41	95.4	14.52	106.9	16.74	119.0	19.17
	35	60.5	9.24	72.3	11.11	83.8	13.12	89.6	14.23	95.4	15.34	106.9	17.71	119.0	20.33
	37	60.5	9.79	72.3	11.72	83.8	13.89	89.6	15.07	95.4	16.24	106.9	18.88	119.0	21.60
	39	60.5	10.43	72.3	12.57	83.8	14.87	89.6	16.21	95.4	17.43	106.9	20.12	119.0	23.31
	41	58.9	11.30	70.4	13.62	81.6	16.26	87.2	17.56	92.8	18.88	104.2	22.05	116.0	25.32
	43	57.6	12.28	68.8	14.81	79.7	17.69	85.1	19.12	90.7	20.57	101.6	24.05	113.1	27.62
46	53.9	13.75	64.5	16.61	74.7	19.85	79.7	21.47	84.8	23.08	95.2	27.06	106.1	31.10	
48	47.7	11.98	57.0	14.49	66.1	17.32	70.6	18.74	75.2	20.14	84.3	23.63	93.8	27.19	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

◆ ARUN660BTE5

Cooling Capacity (66HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	168.9	19.53	201.3	23.86	215.6	27.67	221.9	28.25	228.0	28.47	239.0	28.70	245.3	28.81
	12	168.9	20.01	201.3	24.71	215.6	28.81	221.9	29.00	228.0	29.24	239.0	29.47	245.3	29.74
	14	168.9	20.68	201.3	25.61	215.6	29.90	221.9	30.11	228.0	30.35	239.0	30.61	245.3	30.88
	16	168.9	21.44	201.3	26.51	215.6	31.25	221.9	31.54	228.0	31.78	239.0	32.07	245.3	32.31
	18	168.9	22.34	201.3	28.04	215.6	32.68	221.9	33.37	228.0	33.64	239.0	33.98	245.3	34.22
	20	168.9	23.32	201.3	29.87	215.6	34.30	221.9	36.71	228.0	37.01	235.6	37.38	241.7	37.64
	21	168.9	23.93	201.3	30.91	215.6	35.01	221.9	38.86	228.0	39.17	234.3	39.55	240.4	39.84
	23	168.9	25.68	201.3	32.52	215.6	36.82	221.9	42.88	225.2	43.23	230.7	43.65	237.0	43.95
	25	168.9	27.43	201.3	34.40	215.6	39.36	219.2	47.55	221.9	47.93	228.0	48.40	234.3	48.74
	27	168.9	29.34	201.3	36.76	212.9	41.93	215.6	52.35	219.2	52.77	225.2	53.30	230.7	53.65
	29	168.9	31.27	201.3	39.31	209.5	45.11	212.6	57.54	215.6	57.89	221.9	58.39	228.0	58.63
	31	168.9	33.37	200.5	41.40	206.0	47.98	209.5	57.28	212.6	57.63	218.4	58.15	224.6	58.39
	33	168.9	35.55	197.2	43.87	203.2	51.47	206.5	56.77	209.5	57.12	215.6	57.62	221.1	57.84
	35	168.9	37.90	193.6	45.94	199.9	55.74	203.2	56.03	206.5	56.36	212.3	56.86	218.4	57.09
	37	168.9	40.42	190.9	48.21	197.2	55.00	199.9	55.29	203.2	55.61	208.7	56.11	215.0	56.33
	39	168.9	43.04	187.5	50.76	193.6	54.28	197.2	54.55	199.9	54.87	206.0	55.37	212.3	55.58
	41	164.7	45.67	179.8	53.28	185.9	53.54	188.6	53.81	192.2	54.13	198.0	54.61	203.5	54.84
	43	160.6	48.16	172.2	52.54	178.2	52.80	180.9	53.07	184.5	53.38	190.3	53.86	195.5	54.07
46	150.4	51.55	157.1	51.45	162.8	51.69	165.3	51.95	168.8	52.27	174.1	52.75	179.0	52.94	
48	133.1	50.10	136.4	50.26	141.6	50.36	143.8	50.50	146.9	50.94	151.5	51.26	155.9	51.45	
120	10	156.2	17.57	185.9	21.55	203.0	25.58	209.3	27.65	215.3	28.10	227.1	28.20	232.7	28.44
	12	156.2	18.05	185.9	22.26	203.0	26.61	209.3	28.23	215.3	29.13	227.1	29.50	232.7	29.72
	14	156.2	18.66	185.9	23.03	203.0	27.70	209.3	29.32	215.3	30.19	227.1	30.64	232.7	30.90
	16	156.2	19.33	185.9	23.96	203.0	28.76	209.3	30.40	215.3	31.60	227.1	31.99	232.7	32.23
	18	156.2	20.09	185.9	25.05	203.0	29.92	209.3	32.02	215.3	33.21	227.1	33.61	232.7	33.87
	20	156.2	20.86	185.9	26.56	203.0	31.52	209.3	33.69	215.3	34.99	227.1	35.44	232.7	35.73
	21	156.2	21.49	185.9	27.51	203.0	32.42	209.3	34.67	215.3	36.13	227.1	36.58	232.7	36.87
	23	156.2	22.98	185.9	29.42	203.0	34.72	209.3	36.84	215.3	38.52	227.1	38.91	232.7	39.23
	25	156.2	24.54	185.9	31.52	203.0	36.63	209.3	39.28	215.3	41.30	224.4	41.64	229.9	41.99
	27	156.2	26.19	185.9	33.71	203.0	38.99	209.3	41.96	215.3	44.40	220.9	44.69	226.6	45.06
	29	156.2	27.94	185.9	35.97	203.0	41.03	209.3	44.90	212.0	47.31	217.5	48.03	223.6	48.40
	31	156.2	29.79	185.9	38.43	203.0	43.15	206.5	48.11	209.3	50.76	214.8	51.66	220.3	52.06
	33	156.2	31.70	185.9	40.95	200.2	45.64	203.0	52.22	205.7	54.50	211.2	55.11	216.7	55.56
	35	156.2	33.71	185.9	43.66	196.9	48.30	199.6	57.54	203.0	57.81	208.5	58.00	214.0	58.45
	37	156.2	36.26	185.9	46.07	194.1	51.50	196.9	56.33	199.6	56.59	205.1	56.78	210.6	57.23
	39	156.2	39.04	185.1	48.69	190.6	54.63	193.3	55.16	196.1	55.45	202.4	55.61	207.9	56.06
	41	152.3	41.80	177.1	51.32	183.1	53.54	185.6	54.02	188.4	54.28	193.8	54.44	199.4	54.87
	43	148.5	44.63	169.7	50.60	175.5	52.35	178.0	52.85	180.7	53.12	185.9	53.28	191.4	53.70
46	139.2	47.98	154.6	49.38	160.3	50.71	162.6	51.11	165.0	51.37	170.2	51.53	175.2	51.93	
48	123.2	47.02	134.2	48.51	139.4	49.70	141.4	50.02	143.6	50.18	148.0	50.36	152.4	50.57	
110	10	143.0	15.80	170.5	19.27	190.3	22.87	195.8	24.76	208.2	26.64	213.1	27.38	227.4	27.83
	12	143.0	16.30	170.5	19.91	190.3	23.83	195.8	25.45	208.2	27.65	213.1	28.54	227.4	29.19
	14	143.0	16.80	170.5	20.81	190.3	24.89	195.8	26.72	208.2	29.05	213.1	29.87	227.4	30.49
	16	143.0	17.39	170.5	21.55	190.3	25.93	195.8	27.89	208.2	30.38	213.1	31.20	227.4	31.75
	18	143.0	18.05	170.5	22.45	190.3	27.43	195.8	29.37	208.2	32.05	213.1	32.68	227.4	33.29
	20	143.0	18.69	170.5	23.59	190.3	29.08	195.8	30.72	208.2	33.61	213.1	34.43	227.4	34.99
	21	143.0	19.11	170.5	24.28	190.3	29.82	195.8	31.54	208.2	34.54	213.1	35.41	227.4	35.97
	23	143.0	20.35	170.5	26.03	190.3	31.49	195.8	33.29	208.2	36.48	213.1	37.27	227.4	37.88
	25	143.0	21.74	170.5	27.78	190.3	33.27	195.8	35.20	208.2	38.54	213.1	39.10	224.7	39.89
	27	143.0	23.22	170.5	29.69	190.3	35.15	195.8	37.24	208.2	40.26	213.1	41.19	221.4	41.88
	29	143.0	24.81	170.5	31.70	190.3	37.16	195.8	39.44	208.2	42.54	213.1	43.28	218.6	43.92
	31	143.0	26.37	170.5	33.80	190.3	39.26	195.8	41.80	204.9	44.71	210.4	45.59	215.1	46.07
	33	143.0	28.12	170.5	35.97	190.3	41.48	195.8	44.29	202.1	47.21	206.8	48.00	212.3	48.27
	35	143.0	29.87	170.5	38.43	190.3	43.81	195.8	46.94	198.6	49.83	203.5	50.28	209.0	50.52
	37	143.0	31.65	170.5	40.79	190.3	46.25	193.1	49.73	195.2	52.54	200.7	52.72	205.4	52.88
	39	143.0	34.14	170.5	43.34	187.0	48.80	189.7	53.20	192.5	55.16	197.2	55.24	202.7	55.29
	41	139.4	36.60	166.1	45.89	179.0	51.45	181.8	57.54	184.0	57.54	189.5	58.00	194.2	58.45
	43	135.9	38.43	162.0	47.82	171.6	54.58	174.3	55.19	176.6	55.08	181.8	55.37	186.4	55.53
46	127.3	37.51	151.8	46.15	156.5	51.79	159.2	51.79	161.2	52.24	166.1	52.53	170.5	52.67	
48	112.7	36.42	132.0	44.48	135.9	49.28	138.3	49.60	140.2	49.86	144.6	49.99	148.3	50.18	

# 7. Capacity Tables

Cooling Capacity (66HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	124.8	14.23	148.5	17.28	173.0	20.52	184.8	22.16	196.6	23.83	218.1	26.51	222.8	26.72
	12	124.8	14.68	148.5	18.00	173.0	21.21	184.8	22.77	196.6	24.57	218.1	27.94	222.8	28.21
	14	124.8	15.14	148.5	18.71	173.0	22.11	184.8	23.75	196.6	25.63	218.1	29.50	222.8	29.77
	16	124.8	15.61	148.5	19.35	173.0	23.04	184.8	24.87	196.6	27.01	218.1	30.93	222.8	31.36
	18	124.8	16.06	148.5	20.06	173.0	23.94	184.8	26.08	196.6	28.65	218.1	32.68	222.8	32.94
	20	124.8	16.64	148.5	20.81	173.0	25.34	184.8	27.94	196.6	30.66	218.1	34.24	222.8	34.51
	21	124.8	16.99	148.5	21.31	173.0	26.19	184.8	28.92	196.6	31.78	218.1	35.02	222.8	35.30
	23	124.8	18.00	148.5	22.80	173.0	28.12	184.8	31.01	196.6	34.06	218.1	36.66	222.8	36.97
	25	124.8	19.13	148.5	24.28	173.0	30.03	184.8	33.19	196.6	36.42	218.1	38.23	221.1	38.54
	27	124.8	20.44	148.5	25.95	173.0	32.15	184.8	35.46	196.6	38.72	213.9	40.03	218.3	40.35
	29	124.8	21.74	148.5	27.68	173.0	34.33	184.8	37.90	196.6	40.98	209.8	41.64	215.0	41.98
	31	124.8	23.22	148.5	29.53	173.0	36.60	184.8	40.45	196.6	43.07	206.8	43.26	211.7	43.60
	33	124.8	24.63	148.5	31.44	173.0	39.04	184.8	43.15	196.6	44.69	203.5	44.87	208.4	45.22
	35	124.8	26.19	148.5	33.45	173.0	41.56	184.8	46.02	193.6	46.31	199.7	46.49	204.8	46.86
	37	124.8	28.07	148.5	35.89	173.0	44.03	184.8	48.22	190.6	48.45	196.0	48.64	200.7	49.09
	39	124.8	30.08	148.5	38.54	173.0	46.65	184.8	50.57	187.3	50.79	192.8	51.00	197.4	51.47
	41	122.7	32.10	146.1	41.19	170.2	49.30	177.4	52.93	181.2	53.14	185.4	53.33	191.4	53.83
	43	118.5	33.98	141.1	43.68	164.4	51.66	170.0	54.95	171.9	55.16	177.4	55.32	182.0	55.85
46	111.1	36.55	132.3	47.08	154.0	54.79	155.1	57.54	157.0	57.70	162.0	57.86	166.4	58.42	
48	98.2	31.57	116.9	40.74	132.9	46.84	135.0	48.82	136.4	48.98	140.8	49.09	144.6	49.48	
90	10	112.2	12.50	133.9	15.05	155.7	17.73	166.4	19.10	176.8	20.57	198.6	23.02	220.5	25.61
	12	112.2	12.66	133.9	15.27	155.7	18.03	166.4	19.50	176.8	21.03	198.6	23.47	220.5	26.05
	14	112.2	12.90	133.9	15.58	155.7	18.43	166.4	19.88	176.8	21.41	198.6	23.93	220.5	26.58
	16	112.2	13.12	133.9	15.88	155.7	18.80	166.4	20.25	176.8	21.81	198.6	24.39	220.5	27.04
	18	112.2	13.36	133.9	16.20	155.7	19.10	166.4	20.73	176.8	22.26	198.6	24.92	220.5	28.40
	20	112.2	13.58	133.9	16.50	155.7	19.50	166.4	21.11	176.8	23.10	198.6	26.66	220.5	29.75
	21	112.2	13.74	133.9	16.66	155.7	19.88	166.4	21.81	176.8	23.95	198.6	27.10	220.5	30.44
	23	112.2	14.05	133.9	17.35	155.7	21.27	166.4	23.42	176.8	25.64	198.6	28.75	217.5	31.87
	25	112.2	14.73	133.9	18.51	155.7	22.72	166.4	25.03	176.8	27.39	198.6	30.74	214.2	33.23
	27	112.2	15.74	133.9	19.72	155.7	24.25	166.4	26.71	176.8	29.32	198.6	32.67	211.2	34.79
	29	112.2	16.66	133.9	21.03	155.7	25.94	166.4	28.54	176.8	31.31	198.6	34.61	207.9	36.19
	31	112.2	17.73	133.9	22.42	155.7	27.63	166.4	30.39	176.8	33.39	198.6	36.35	204.9	37.61
	33	112.2	18.88	133.9	23.87	155.7	29.48	166.4	32.38	176.8	35.41	198.6	38.09	201.6	39.00
	35	112.2	20.04	133.9	25.32	155.7	31.31	166.4	34.55	176.8	37.55	195.2	40.29	198.6	41.20
	37	112.2	21.27	133.9	26.93	155.7	33.39	166.4	36.69	176.8	39.64	192.2	42.11	195.5	43.05
	39	112.2	22.51	133.9	28.65	155.7	35.33	166.4	39.05	176.8	41.68	188.9	44.39	192.2	44.93
	41	109.4	25.19	130.6	31.76	151.8	38.79	162.0	42.70	172.4	45.01	181.0	46.78	184.3	47.86
	43	106.7	27.20	127.3	34.33	148.0	42.38	158.1	45.98	168.0	48.26	173.5	50.11	176.8	50.70
46	99.9	30.60	119.3	39.09	138.6	48.28	148.2	52.14	152.7	53.62	158.4	54.99	161.4	55.07	
48	88.3	26.74	105.6	34.20	122.7	42.25	130.9	45.49	132.6	46.19	137.8	47.34	140.3	47.40	
80	10	99.6	10.46	118.8	12.56	138.0	14.74	147.9	15.91	157.8	17.07	176.8	19.46	196.1	21.13
	12	99.6	10.67	118.8	12.71	138.0	15.03	147.9	16.19	157.8	17.36	176.8	19.82	196.1	21.56
	14	99.6	10.81	118.8	13.01	138.0	15.25	147.9	16.48	157.8	17.64	176.8	20.19	196.1	21.97
	16	99.6	10.97	118.8	13.22	138.0	15.54	147.9	16.78	157.8	18.01	176.8	20.62	196.1	22.39
	18	99.6	11.18	118.8	13.44	138.0	15.83	147.9	17.07	157.8	18.37	176.8	20.99	196.1	22.88
	20	99.6	11.40	118.8	13.73	138.0	16.19	147.9	17.42	157.8	18.74	176.8	21.78	196.1	24.23
	21	99.6	11.48	118.8	13.87	138.0	16.34	147.9	17.64	157.8	19.17	176.8	22.48	196.1	24.87
	23	99.6	11.69	118.8	14.09	138.0	17.07	147.9	18.74	157.8	20.48	176.8	23.74	196.1	26.11
	25	99.6	12.13	118.8	15.03	138.0	18.31	147.9	20.05	157.8	21.94	176.8	25.40	196.1	27.91
	27	99.6	12.85	118.8	15.97	138.0	19.54	147.9	21.43	157.8	23.39	176.8	26.99	196.1	29.38
	29	99.6	13.66	118.8	17.07	138.0	20.78	147.9	22.80	157.8	24.98	176.8	28.90	196.1	31.43
	31	99.6	14.52	118.8	18.09	138.0	22.15	147.9	24.33	157.8	26.59	176.8	30.68	196.1	33.01
	33	99.6	15.40	118.8	19.33	138.0	23.60	147.9	25.92	157.8	28.31	176.8	32.32	196.1	34.60
	35	99.6	16.34	118.8	20.48	138.0	25.13	147.9	27.59	157.8	30.22	176.8	34.28	193.9	35.86
	37	99.6	17.29	118.8	21.78	138.0	26.65	147.9	29.33	157.8	32.10	176.8	36.18	190.8	37.50
	39	99.6	18.26	118.8	23.02	138.0	28.50	147.9	31.54	157.8	34.49	176.8	38.23	187.6	39.55
	41	97.1	20.21	115.8	25.51	134.5	31.29	144.1	34.57	153.7	37.91	172.4	42.53	179.8	43.85
	43	94.6	22.24	113.0	27.83	131.2	34.15	140.5	37.69	149.9	41.43	168.0	45.51	172.4	46.94
46	88.8	24.76	105.9	31.35	122.9	38.48	131.7	41.94	140.5	46.75	153.7	49.68	157.3	50.47	
48	78.6	21.61	93.5	27.42	108.6	33.66	116.6	36.64	124.3	40.92	133.4	42.99	136.7	43.45	

# 7. Capacity Tables

Cooling Capacity (66HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	87.2	9.16	104.2	10.89	120.7	12.63	129.3	13.64	138.0	14.58	154.5	16.60	171.6	18.56
	12	87.2	9.30	104.2	11.05	120.7	12.91	129.3	13.85	138.0	14.87	154.5	16.87	171.6	18.91
	14	87.2	9.46	104.2	11.18	120.7	13.12	129.3	14.07	138.0	15.09	154.5	17.24	171.6	19.26
	16	87.2	9.59	104.2	11.40	120.7	13.34	129.3	14.36	138.0	15.36	154.5	17.54	171.6	19.67
	18	87.2	9.73	104.2	11.61	120.7	13.64	129.3	14.64	138.0	15.66	154.5	17.81	171.6	20.02
	20	87.2	9.89	104.2	11.83	120.7	13.85	129.3	14.93	138.0	16.01	154.5	18.25	171.6	20.78
	21	87.2	10.03	104.2	11.91	120.7	13.99	129.3	15.09	138.0	16.17	154.5	18.54	171.6	21.21
	23	87.2	10.18	104.2	12.18	120.7	14.28	129.3	15.58	138.0	16.95	154.5	19.83	171.6	22.40
	25	87.2	10.32	104.2	12.63	120.7	15.22	129.3	16.66	138.0	18.11	154.5	21.21	171.6	23.50
	27	87.2	10.89	104.2	13.50	120.7	16.22	129.3	17.68	138.0	19.34	154.5	22.66	171.6	24.96
	29	87.2	11.61	104.2	14.28	120.7	17.24	129.3	18.83	138.0	20.56	154.5	24.17	171.6	26.73
	31	87.2	12.34	104.2	15.22	120.7	18.40	129.3	20.13	138.0	21.93	154.5	25.76	171.6	28.38
	33	87.2	13.07	104.2	16.09	120.7	19.56	129.3	21.35	138.0	23.31	154.5	27.41	171.6	30.21
	35	87.2	13.77	104.2	17.17	120.7	20.78	129.3	22.72	138.0	24.82	154.5	29.21	171.6	32.04
	37	87.2	14.64	104.2	18.19	120.7	22.07	129.3	24.17	138.0	26.41	154.5	31.10	171.6	33.82
	39	87.2	15.55	104.2	19.40	120.7	23.61	129.3	26.00	138.0	28.53	154.5	33.28	171.6	36.46
	41	85.0	17.19	101.5	21.24	117.7	25.89	126.0	28.51	134.5	31.01	150.4	36.54	167.2	39.32
	43	82.8	18.72	99.0	23.15	114.7	28.24	122.9	31.10	131.2	33.87	146.8	39.93	163.1	42.52
46	77.6	20.80	92.9	26.03	107.5	31.82	115.2	34.65	122.9	38.18	137.5	45.03	152.9	47.38	
48	68.7	18.16	82.2	22.74	95.2	27.81	102.0	30.26	108.6	33.39	121.6	39.42	135.3	41.01	
60	10	74.5	7.89	89.1	9.24	103.7	10.75	110.8	11.53	118.2	12.26	132.6	13.91	147.1	15.56
	12	74.5	8.02	89.1	9.40	103.7	10.89	110.8	11.69	118.2	12.48	132.6	14.12	147.1	15.83
	14	74.5	8.10	89.1	9.53	103.7	11.10	110.8	11.89	118.2	12.69	132.6	14.40	147.1	16.12
	16	74.5	8.24	89.1	9.75	103.7	11.26	110.8	12.10	118.2	12.97	132.6	14.69	147.1	16.42
	18	74.5	8.38	89.1	9.89	103.7	11.48	110.8	12.32	118.2	13.18	132.6	14.91	147.1	16.77
	20	74.5	8.53	89.1	10.02	103.7	11.69	110.8	12.53	118.2	13.40	132.6	15.20	147.1	17.13
	21	74.5	8.59	89.1	10.10	103.7	11.83	110.8	12.69	118.2	13.54	132.6	15.40	147.1	17.26
	23	74.5	8.75	89.1	10.32	103.7	11.97	110.8	12.91	118.2	13.83	132.6	15.99	147.1	18.34
	25	74.5	8.89	89.1	10.53	103.7	12.48	110.8	13.54	118.2	14.69	132.6	17.07	147.1	19.64
	27	74.5	9.18	89.1	11.10	103.7	13.26	110.8	14.40	118.2	15.61	132.6	18.13	147.1	20.93
	29	74.5	9.75	89.1	11.83	103.7	14.12	110.8	15.34	118.2	16.64	132.6	19.34	147.1	22.36
	31	74.5	10.32	89.1	12.53	103.7	14.99	110.8	16.34	118.2	17.69	132.6	20.64	147.1	23.80
	33	74.5	10.89	89.1	13.26	103.7	15.91	110.8	17.34	118.2	18.85	132.6	21.93	147.1	25.36
	35	74.5	11.53	89.1	14.12	103.7	16.91	110.8	18.42	118.2	19.99	132.6	23.36	147.1	26.95
	37	74.5	12.18	89.1	14.91	103.7	17.91	110.8	19.56	118.2	21.21	132.6	24.80	147.1	28.66
	39	74.5	12.96	89.1	15.86	103.7	19.34	110.8	20.99	118.2	22.82	132.6	26.58	147.1	30.71
	41	72.6	14.05	86.9	17.37	100.9	21.01	108.1	22.93	115.2	24.77	129.3	29.17	143.5	33.38
	43	70.9	15.26	84.7	18.91	98.5	22.90	105.3	24.98	112.2	27.03	126.0	31.85	139.9	36.46
46	66.5	17.10	79.4	21.23	92.4	25.74	98.7	28.09	105.3	30.41	118.2	35.89	131.1	41.54	
48	58.8	14.91	70.1	18.53	81.7	22.50	87.4	24.53	93.0	26.58	104.5	31.39	116.0	36.35	
50	10	62.4	6.77	74.5	7.83	86.4	8.91	92.4	9.53	98.4	10.10	110.3	11.40	122.7	12.67
	12	62.4	6.83	74.5	7.90	86.4	9.04	92.4	9.69	98.4	10.32	110.3	11.61	122.7	12.89
	14	62.4	6.90	74.5	8.04	86.4	9.18	92.4	9.83	98.4	10.47	110.3	11.75	122.7	13.10
	16	62.4	7.04	74.5	8.18	86.4	9.32	92.4	10.04	98.4	10.61	110.3	11.96	122.7	13.32
	18	62.4	7.12	74.5	8.26	86.4	9.47	92.4	10.18	98.4	10.83	110.3	12.18	122.7	13.59
	20	62.4	7.20	74.5	8.39	86.4	9.69	92.4	10.32	98.4	11.04	110.3	12.40	122.7	13.89
	21	62.4	7.26	74.5	8.47	86.4	9.75	92.4	10.47	98.4	11.10	110.3	12.53	122.7	14.02
	23	62.4	7.39	74.5	8.61	86.4	9.91	92.4	10.61	98.4	11.32	110.3	12.75	122.7	14.32
	25	62.4	7.47	74.5	8.75	86.4	10.10	92.4	10.83	98.4	11.67	110.3	13.38	122.7	15.30
	27	62.4	7.61	74.5	9.04	86.4	10.67	92.4	11.53	98.4	12.40	110.3	14.32	122.7	16.30
	29	62.4	8.04	74.5	9.61	86.4	11.32	92.4	12.24	98.4	13.16	110.3	15.16	122.7	17.30
	31	62.4	8.47	74.5	10.18	86.4	12.02	92.4	12.97	98.4	14.02	110.3	16.16	122.7	18.44
	33	62.4	8.96	74.5	10.75	86.4	12.75	92.4	13.75	98.4	14.89	110.3	17.16	122.7	19.65
	35	62.4	9.47	74.5	11.40	86.4	13.46	92.4	14.59	98.4	15.73	110.3	18.16	122.7	20.85
	37	62.4	10.04	74.5	12.02	86.4	14.24	92.4	15.46	98.4	16.65	110.3	19.36	122.7	22.14
	39	62.4	10.70	74.5	12.89	86.4	15.25	92.4	16.62	98.4	17.87	110.3	20.63	122.7	23.91
	41	60.8	11.59	72.6	13.97	84.2	16.68	90.0	18.01	95.7	19.36	107.5	22.61	119.6	25.96
	43	59.4	12.59	70.9	15.19	82.2	18.14	87.7	19.60	93.5	21.09	104.8	24.66	116.6	28.32
46	55.5	14.10	66.5	17.03	77.0	20.36	82.2	22.01	87.5	23.66	98.2	27.75	109.4	31.89	
48	49.2	12.29	58.8	14.86	68.2	17.76	72.9	19.22	77.5	20.66	86.9	24.23	96.8	27.88	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN680BTE5

Cooling Capacity (68HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	174.0	20.20	207.4	24.67	222.2	28.62	228.6	29.22	234.9	29.44	246.2	29.69	252.7	29.80
	12	174.0	20.70	207.4	25.55	222.2	29.80	228.6	29.99	234.9	30.24	246.2	30.48	252.7	30.76
	14	174.0	21.38	207.4	26.48	222.2	30.92	228.6	31.15	234.9	31.39	246.2	31.66	252.7	31.94
	16	174.0	22.18	207.4	27.41	222.2	32.32	228.6	32.62	234.9	32.87	246.2	33.17	252.7	33.42
	18	174.0	23.11	207.4	29.00	222.2	33.80	228.6	34.52	234.9	34.79	246.2	35.15	252.7	35.39
	20	174.0	24.12	207.4	30.89	222.2	35.47	228.6	37.97	234.9	38.27	242.8	38.66	249.1	38.93
	21	174.0	24.75	207.4	31.97	222.2	36.21	228.6	40.19	234.9	40.52	241.4	40.90	247.7	41.20
	23	174.0	26.56	207.4	33.64	222.2	38.08	228.6	44.35	232.0	44.71	237.7	45.15	244.2	45.45
	25	174.0	28.37	207.4	35.58	222.2	40.71	225.8	49.18	228.6	49.57	234.9	50.06	241.4	50.41
	27	174.0	30.35	207.4	38.02	219.3	43.37	222.2	54.14	225.8	54.58	232.0	55.13	237.7	55.49
	29	174.0	32.35	207.4	40.65	215.9	46.66	219.0	59.51	222.2	59.87	228.6	60.39	234.9	60.64
	31	174.0	34.51	206.6	42.82	212.2	49.62	215.9	59.25	219.0	59.60	225.0	60.15	231.5	60.39
	33	174.0	36.76	203.1	45.37	209.4	53.24	212.8	58.72	215.9	59.07	222.2	59.60	227.8	59.82
	35	174.0	39.20	199.5	47.51	206.0	57.65	209.4	57.95	212.8	58.29	218.7	58.81	225.0	59.05
	37	174.0	41.81	196.7	49.87	203.1	56.89	206.0	57.18	209.4	57.52	215.1	58.04	221.6	58.26
	39	174.0	44.52	193.2	52.50	199.5	56.14	203.1	56.42	206.0	56.75	212.2	57.27	218.7	57.49
	41	169.7	47.23	185.3	55.11	191.5	55.38	194.3	55.65	198.1	55.98	204.0	56.48	209.6	56.72
	43	165.5	49.81	177.4	54.34	183.6	54.61	186.4	54.88	190.1	55.21	196.0	55.71	201.4	55.93
46	155.0	53.32	161.8	53.21	167.7	53.46	170.3	53.73	174.0	54.06	179.4	54.55	184.4	54.75	
48	137.1	51.82	140.6	51.98	145.9	52.09	148.2	52.23	151.3	52.69	156.1	53.02	160.6	53.21	
120	10	161.0	18.17	191.5	22.28	209.1	26.46	215.6	28.60	221.9	29.06	234.0	29.17	239.7	29.41
	12	161.0	18.67	191.5	23.03	209.1	27.53	215.6	29.20	221.9	30.13	234.0	30.51	239.7	30.73
	14	161.0	19.30	191.5	23.82	209.1	28.65	215.6	30.32	221.9	31.23	234.0	31.69	239.7	31.96
	16	161.0	19.99	191.5	24.78	209.1	29.75	215.6	31.45	221.9	32.68	234.0	33.09	239.7	33.34
	18	161.0	20.78	191.5	25.90	209.1	30.95	215.6	33.11	221.9	34.35	234.0	34.76	239.7	35.03
	20	161.0	21.57	191.5	27.47	209.1	32.60	215.6	34.84	221.9	36.18	234.0	36.65	239.7	36.95
	21	161.0	22.23	191.5	28.46	209.1	33.53	215.6	35.86	221.9	37.37	234.0	37.83	239.7	38.14
	23	161.0	23.76	191.5	30.43	209.1	35.91	215.6	38.11	221.9	39.83	234.0	40.24	239.7	40.57
	25	161.0	25.38	191.5	32.60	209.1	37.89	215.6	40.63	221.9	42.71	231.2	43.07	236.9	43.42
	27	161.0	27.09	191.5	34.87	209.1	40.32	215.6	43.40	221.9	45.92	227.6	46.22	233.4	46.60
	29	161.0	28.90	191.5	37.20	209.1	42.43	215.6	46.44	218.4	48.93	224.1	49.67	230.4	50.06
	31	161.0	30.81	191.5	39.75	209.1	44.63	212.8	49.76	215.6	52.50	221.3	53.43	226.9	53.84
	33	161.0	32.79	191.5	42.36	206.3	47.21	209.1	54.01	212.0	56.36	217.6	57.00	223.3	57.46
	35	161.0	34.87	191.5	45.15	202.9	49.95	205.7	59.51	209.1	59.79	214.8	59.98	220.5	60.45
	37	161.0	37.50	191.5	47.65	200.0	53.26	202.9	58.25	205.7	58.53	211.4	58.72	217.0	59.19
	39	161.0	40.38	190.7	50.36	196.4	56.50	199.2	57.05	202.0	57.35	208.5	57.51	214.2	57.98
	41	156.9	43.24	182.5	53.08	188.7	55.38	191.2	55.87	194.1	56.14	199.7	56.31	205.4	56.75
	43	153.0	46.16	174.8	52.33	180.8	54.14	183.4	54.66	186.2	54.94	191.6	55.10	197.2	55.54
46	143.4	49.62	159.3	51.07	165.2	52.44	167.5	52.86	170.0	53.13	175.3	53.29	180.5	53.71	
48	126.9	48.63	138.3	50.17	143.6	51.40	145.7	51.73	147.9	51.89	152.5	52.09	157.0	52.31	
110	10	147.3	16.34	175.7	19.93	196.1	23.66	201.8	25.61	214.5	27.55	219.6	28.32	234.3	28.79
	12	147.3	16.86	175.7	20.59	196.1	24.64	201.8	26.32	214.5	28.59	219.6	29.52	234.3	30.19
	14	147.3	17.38	175.7	21.52	196.1	25.75	201.8	27.63	214.5	30.04	219.6	30.89	234.3	31.53
	16	147.3	17.99	175.7	22.29	196.1	26.81	201.8	28.84	214.5	31.42	219.6	32.27	234.3	32.84
	18	147.3	18.67	175.7	23.22	196.1	28.37	201.8	30.37	214.5	33.14	219.6	33.80	234.3	34.43
	20	147.3	19.33	175.7	24.40	196.1	30.07	201.8	31.77	214.5	34.76	219.6	35.61	234.3	36.18
	21	147.3	19.76	175.7	25.11	196.1	30.84	201.8	32.62	214.5	35.72	219.6	36.62	234.3	37.20
	23	147.3	21.05	175.7	26.92	196.1	32.57	201.8	34.43	214.5	37.73	219.6	38.54	234.3	39.18
	25	147.3	22.48	175.7	28.73	196.1	34.41	201.8	36.41	214.5	39.86	219.6	40.44	231.5	41.26
	27	147.3	24.02	175.7	30.71	196.1	36.35	201.8	38.52	214.5	41.64	219.6	42.60	228.1	43.31
	29	147.3	25.66	175.7	32.79	196.1	38.43	201.8	40.80	214.5	44.00	219.6	44.77	225.2	45.43
	31	147.3	27.28	175.7	34.95	196.1	40.60	201.8	43.23	211.1	46.24	216.7	47.15	221.6	47.64
	33	147.3	29.09	175.7	37.20	196.1	42.90	201.8	45.81	208.2	48.82	213.1	49.64	218.8	49.92
	35	147.3	30.89	175.7	39.75	196.1	45.31	201.8	48.55	204.6	51.54	209.7	52.00	215.3	52.25
	37	147.3	32.73	175.7	42.19	196.1	47.84	198.9	51.43	201.2	54.34	206.8	54.53	211.7	54.69
	39	147.3	35.31	175.7	44.82	192.7	50.47	195.5	55.02	198.3	57.05	203.2	57.13	208.9	57.19
	41	143.6	37.86	171.1	47.46	184.4	53.21	187.3	59.51	189.6	59.51	195.2	59.98	200.1	60.45
	43	140.0	39.75	166.9	49.45	176.8	56.44	179.6	57.08	181.9	56.96	187.3	57.27	192.1	57.43
46	131.2	38.79	156.4	47.73	161.2	53.57	164.0	53.57	166.1	54.03	171.2	54.33	175.7	54.47	
48	116.1	37.67	136.0	46.00	140.0	50.96	142.5	51.30	144.5	51.56	149.0	51.70	152.8	51.90	

# 7. Capacity Tables

Cooling Capacity (68HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	128.6	14.72	153.0	17.88	178.2	21.22	190.4	22.92	202.6	24.64	224.7	27.42	229.5	27.64
	12	128.6	15.19	153.0	18.61	178.2	21.93	190.4	23.55	202.6	25.41	224.7	28.89	229.5	29.17
	14	128.6	15.66	153.0	19.36	178.2	22.86	190.4	24.56	202.6	26.51	224.7	30.51	229.5	30.79
	16	128.6	16.14	153.0	20.01	178.2	23.83	190.4	25.72	202.6	27.94	224.7	31.99	229.5	32.43
	18	128.6	16.61	153.0	20.75	178.2	24.76	190.4	26.98	202.6	29.63	224.7	33.80	229.5	34.07
	20	128.6	17.21	153.0	21.52	178.2	26.20	190.4	28.90	202.6	31.71	224.7	35.42	229.5	35.69
	21	128.6	17.57	153.0	22.04	178.2	27.09	190.4	29.91	202.6	32.87	224.7	36.22	229.5	36.51
	23	128.6	18.61	153.0	23.58	178.2	29.09	190.4	32.07	202.6	35.23	224.7	37.92	229.5	38.24
	25	128.6	19.79	153.0	25.11	178.2	31.06	190.4	34.32	202.6	37.67	224.7	39.53	227.8	39.86
	27	128.6	21.14	153.0	26.84	178.2	33.25	190.4	36.68	202.6	40.05	220.4	41.40	225.0	41.73
	29	128.6	22.48	153.0	28.62	178.2	35.50	190.4	39.20	202.6	42.38	216.2	43.07	221.6	43.42
	31	128.6	24.02	153.0	30.54	178.2	37.86	190.4	41.83	202.6	44.54	213.0	44.74	218.2	45.10
	33	128.6	25.47	153.0	32.51	178.2	40.38	190.4	44.63	202.6	46.22	209.6	46.41	214.8	46.77
	35	128.6	27.09	153.0	34.60	178.2	42.99	190.4	47.59	199.5	47.89	205.7	48.08	211.0	48.47
	37	128.6	29.03	153.0	37.12	178.2	45.54	190.4	49.87	196.3	50.11	202.0	50.31	206.8	50.77
	39	128.6	31.11	153.0	39.86	178.2	48.25	190.4	52.31	193.0	52.53	198.6	52.74	203.4	53.23
	41	126.4	33.20	150.5	42.60	175.4	50.99	182.7	54.75	186.7	54.96	191.0	55.16	197.2	55.68
	43	122.1	35.14	145.4	45.18	169.4	53.43	175.1	56.83	177.1	57.05	182.7	57.22	187.5	57.76
46	114.5	37.80	136.3	48.69	158.7	56.66	159.8	59.51	161.7	59.68	166.9	59.85	171.4	60.42	
48	101.2	32.65	120.5	42.14	136.9	48.44	139.1	50.49	140.5	50.66	145.1	50.77	149.0	51.18	
90	10	115.6	12.83	138.0	15.44	160.4	18.20	171.4	19.60	182.2	21.11	204.6	23.62	227.2	26.29
	12	115.6	12.99	138.0	15.67	160.4	18.50	171.4	20.01	182.2	21.58	204.6	24.09	227.2	26.73
	14	115.6	13.24	138.0	15.99	160.4	18.91	171.4	20.40	182.2	21.97	204.6	24.56	227.2	27.28
	16	115.6	13.46	138.0	16.30	160.4	19.30	171.4	20.79	182.2	22.38	204.6	25.03	227.2	27.75
	18	115.6	13.71	138.0	16.63	160.4	19.60	171.4	21.28	182.2	22.85	204.6	25.58	227.2	29.15
	20	115.6	13.93	138.0	16.93	160.4	20.01	171.4	21.66	182.2	23.70	204.6	27.37	227.2	30.53
	21	115.6	14.10	138.0	17.09	160.4	20.40	171.4	22.38	182.2	24.58	204.6	27.81	227.2	31.24
	23	115.6	14.42	138.0	17.81	160.4	21.83	171.4	24.03	182.2	26.32	204.6	29.51	224.1	32.71
	25	115.6	15.12	138.0	18.99	160.4	23.32	171.4	25.68	182.2	28.11	204.6	31.55	220.7	34.11
	27	115.6	16.16	138.0	20.24	160.4	24.89	171.4	27.42	182.2	30.09	204.6	33.53	217.6	35.71
	29	115.6	17.09	138.0	21.58	160.4	26.62	171.4	29.29	182.2	32.13	204.6	35.52	214.2	37.14
	31	115.6	18.20	138.0	23.01	160.4	28.36	171.4	31.19	182.2	34.27	204.6	37.30	211.1	38.59
	33	115.6	19.38	138.0	24.50	160.4	30.25	171.4	33.23	182.2	36.34	204.6	39.09	207.7	40.03
	35	115.6	20.56	138.0	25.99	160.4	32.13	171.4	35.45	182.2	38.54	201.2	41.35	204.6	42.29
	37	115.6	21.83	138.0	27.64	160.4	34.27	171.4	37.66	182.2	40.69	198.0	43.22	201.4	44.19
	39	115.6	23.10	138.0	29.40	160.4	36.26	171.4	40.08	182.2	42.78	194.7	45.56	198.1	46.11
	41	112.7	25.85	134.6	32.60	156.4	39.81	166.9	43.83	177.6	46.19	186.5	48.01	189.8	49.11
	43	109.9	27.91	131.2	35.24	152.5	43.49	162.9	47.19	173.1	49.52	178.8	51.42	182.2	52.03
46	102.9	31.41	123.0	40.11	142.8	49.55	152.7	53.51	157.3	55.03	163.2	56.44	166.3	56.52	
48	91.0	27.45	108.8	35.10	126.4	43.36	134.9	46.69	136.6	47.41	141.9	48.59	144.5	48.65	
80	10	102.6	10.76	122.4	12.92	142.2	15.16	152.4	16.37	162.6	17.56	182.2	20.02	202.0	21.74
	12	102.6	10.98	122.4	13.08	142.2	15.46	152.4	16.65	162.6	17.86	182.2	20.39	202.0	22.18
	14	102.6	11.12	122.4	13.38	142.2	15.68	152.4	16.96	162.6	18.15	182.2	20.77	202.0	22.60
	16	102.6	11.28	122.4	13.60	142.2	15.99	152.4	17.26	162.6	18.53	182.2	21.21	202.0	23.04
	18	102.6	11.51	122.4	13.83	142.2	16.29	152.4	17.56	162.6	18.89	182.2	21.60	202.0	23.54
	20	102.6	11.73	122.4	14.13	142.2	16.65	152.4	17.92	162.6	19.28	182.2	22.41	202.0	24.92
	21	102.6	11.81	122.4	14.27	142.2	16.81	152.4	18.15	162.6	19.72	182.2	23.12	202.0	25.59
	23	102.6	12.03	122.4	14.49	142.2	17.56	152.4	19.28	162.6	21.07	182.2	24.42	202.0	26.86
	25	102.6	12.47	122.4	15.46	142.2	18.83	152.4	20.63	162.6	22.57	182.2	26.13	202.0	28.71
	27	102.6	13.22	122.4	16.43	142.2	20.10	152.4	22.04	162.6	24.06	182.2	27.77	202.0	30.23
	29	102.6	14.05	122.4	17.56	142.2	21.38	152.4	23.46	162.6	25.70	182.2	29.74	202.0	32.34
	31	102.6	14.94	122.4	18.61	142.2	22.79	152.4	25.03	162.6	27.35	182.2	31.56	202.0	33.96
	33	102.6	15.85	122.4	19.88	142.2	24.28	152.4	26.67	162.6	29.13	182.2	33.25	202.0	35.60
	35	102.6	16.81	122.4	21.07	142.2	25.86	152.4	28.38	162.6	31.09	182.2	35.26	199.8	36.90
	37	102.6	17.78	122.4	22.40	142.2	27.41	152.4	30.18	162.6	33.02	182.2	37.22	196.6	38.58
	39	102.6	18.78	122.4	23.68	142.2	29.32	152.4	32.44	162.6	35.49	182.2	39.33	193.3	40.69
	41	100.0	20.80	119.3	26.25	138.5	32.19	148.5	35.57	158.4	39.00	177.6	43.76	185.3	45.11
	43	97.5	22.88	116.4	28.63	135.1	35.13	144.8	38.77	154.4	42.62	173.1	46.82	177.6	48.29
46	91.5	25.47	109.1	32.25	126.6	39.58	135.7	43.15	144.8	48.09	158.4	51.11	162.1	51.92	
48	81.0	22.24	96.4	28.21	111.9	34.63	120.1	37.70	128.1	42.09	137.5	44.23	140.8	44.70	



# 7. Capacity Tables

Cooling Capacity (68HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	89.8	9.45	107.4	11.23	124.4	13.03	133.2	14.06	142.2	15.03	159.2	17.12	176.8	19.15
	12	89.8	9.59	107.4	11.39	124.4	13.31	133.2	14.28	142.2	15.34	159.2	17.40	176.8	19.51
	14	89.8	9.75	107.4	11.53	124.4	13.54	133.2	14.51	142.2	15.56	159.2	17.78	176.8	19.87
	16	89.8	9.89	107.4	11.76	124.4	13.76	133.2	14.81	142.2	15.84	159.2	18.09	176.8	20.29
	18	89.8	10.04	107.4	11.98	124.4	14.06	133.2	15.09	142.2	16.15	159.2	18.37	176.8	20.65
	20	89.8	10.20	107.4	12.20	124.4	14.28	133.2	15.40	142.2	16.51	159.2	18.82	176.8	21.43
	21	89.8	10.34	107.4	12.28	124.4	14.43	133.2	15.56	142.2	16.67	159.2	19.12	176.8	21.87
	23	89.8	10.50	107.4	12.56	124.4	14.73	133.2	16.06	142.2	17.48	159.2	20.46	176.8	23.10
	25	89.8	10.64	107.4	13.03	124.4	15.70	133.2	17.18	142.2	18.67	159.2	21.87	176.8	24.23
	27	89.8	11.23	107.4	13.92	124.4	16.73	133.2	18.23	142.2	19.95	159.2	23.37	176.8	25.74
	29	89.8	11.98	107.4	14.73	124.4	17.78	133.2	19.42	142.2	21.20	159.2	24.93	176.8	27.57
	31	89.8	12.73	107.4	15.70	124.4	18.98	133.2	20.76	142.2	22.62	159.2	26.57	176.8	29.26
	33	89.8	13.47	107.4	16.59	124.4	20.17	133.2	22.01	142.2	24.04	159.2	28.27	176.8	31.15
	35	89.8	14.20	107.4	17.71	124.4	21.43	133.2	23.43	142.2	25.59	159.2	30.13	176.8	33.04
	37	89.8	15.09	107.4	18.76	124.4	22.76	133.2	24.93	142.2	27.23	159.2	32.07	176.8	34.87
	39	89.8	16.04	107.4	20.01	124.4	24.34	133.2	26.82	142.2	29.43	159.2	34.32	176.8	37.60
	41	87.5	17.73	104.6	21.90	121.3	26.70	129.8	29.40	138.5	31.98	155.0	37.69	172.3	40.55
	43	85.3	19.31	102.0	23.87	118.2	29.13	126.7	32.07	135.1	34.93	151.3	41.18	168.0	43.85
46	79.9	21.45	95.7	26.85	110.8	32.82	118.7	35.73	126.6	39.37	141.7	46.44	157.5	48.86	
48	70.8	18.73	84.7	23.45	98.0	28.68	105.1	31.21	111.9	34.43	125.3	40.65	139.4	42.30	
60	10	76.8	8.15	91.8	9.55	106.8	11.11	114.2	11.92	121.8	12.68	136.6	14.38	151.6	16.08
	12	76.8	8.29	91.8	9.71	106.8	11.26	114.2	12.09	121.8	12.90	136.6	14.60	151.6	16.37
	14	76.8	8.38	91.8	9.86	106.8	11.48	114.2	12.29	121.8	13.12	136.6	14.89	151.6	16.67
	16	76.8	8.52	91.8	10.08	106.8	11.64	114.2	12.51	121.8	13.41	136.6	15.19	151.6	16.97
	18	76.8	8.66	91.8	10.22	106.8	11.86	114.2	12.74	121.8	13.63	136.6	15.41	151.6	17.34
	20	76.8	8.82	91.8	10.36	106.8	12.09	114.2	12.96	121.8	13.85	136.6	15.72	151.6	17.70
	21	76.8	8.88	91.8	10.44	106.8	12.23	114.2	13.12	121.8	13.99	136.6	15.92	151.6	17.85
	23	76.8	9.04	91.8	10.67	106.8	12.37	114.2	13.34	121.8	14.30	136.6	16.53	151.6	18.96
	25	76.8	9.19	91.8	10.89	106.8	12.90	114.2	13.99	121.8	15.19	136.6	17.64	151.6	20.30
	27	76.8	9.49	91.8	11.48	106.8	13.71	114.2	14.89	121.8	16.14	136.6	18.74	151.6	21.64
	29	76.8	10.08	91.8	12.23	106.8	14.60	114.2	15.86	121.8	17.20	136.6	20.00	151.6	23.12
	31	76.8	10.67	91.8	12.96	106.8	15.49	114.2	16.89	121.8	18.29	136.6	21.33	151.6	24.60
	33	76.8	11.26	91.8	13.71	106.8	16.45	114.2	17.93	121.8	19.49	136.6	22.67	151.6	26.22
	35	76.8	11.92	91.8	14.60	106.8	17.48	114.2	19.04	121.8	20.67	136.6	24.15	151.6	27.87
	37	76.8	12.59	91.8	15.41	106.8	18.52	114.2	20.22	121.8	21.92	136.6	25.63	151.6	29.63
	39	76.8	13.40	91.8	16.39	106.8	19.99	114.2	21.70	121.8	23.60	136.6	27.48	151.6	31.75
	41	74.8	14.52	89.5	17.95	104.0	21.72	111.3	23.71	118.7	25.61	133.2	30.16	147.9	34.51
	43	73.1	15.78	87.3	19.54	101.4	23.68	108.5	25.83	115.6	27.95	129.8	32.92	144.2	37.70
46	68.5	17.68	81.8	21.95	95.2	26.61	101.7	29.04	108.5	31.44	121.8	37.11	135.1	42.95	
48	60.6	15.41	72.3	19.15	84.1	23.26	90.1	25.36	95.8	27.48	107.7	32.45	119.5	37.58	
50	10	64.3	7.01	76.8	8.11	89.0	9.23	95.2	9.88	101.4	10.47	113.6	11.81	126.4	13.13
	12	64.3	7.07	76.8	8.19	89.0	9.37	95.2	10.04	101.4	10.69	113.6	12.03	126.4	13.36
	14	64.3	7.16	76.8	8.33	89.0	9.51	95.2	10.18	101.4	10.86	113.6	12.18	126.4	13.58
	16	64.3	7.30	76.8	8.48	89.0	9.66	95.2	10.41	101.4	11.00	113.6	12.40	126.4	13.80
	18	64.3	7.38	76.8	8.56	89.0	9.82	95.2	10.55	101.4	11.22	113.6	12.62	126.4	14.09
	20	64.3	7.46	76.8	8.70	89.0	10.04	95.2	10.69	101.4	11.44	113.6	12.85	126.4	14.39
	21	64.3	7.52	76.8	8.78	89.0	10.10	95.2	10.86	101.4	11.51	113.6	12.99	126.4	14.53
	23	64.3	7.66	76.8	8.92	89.0	10.27	95.2	11.00	101.4	11.73	113.6	13.21	126.4	14.84
	25	64.3	7.75	76.8	9.07	89.0	10.47	95.2	11.22	101.4	12.10	113.6	13.86	126.4	15.86
	27	64.3	7.89	76.8	9.37	89.0	11.06	95.2	11.95	101.4	12.85	113.6	14.84	126.4	16.89
	29	64.3	8.33	76.8	9.96	89.0	11.73	95.2	12.69	101.4	13.64	113.6	15.71	126.4	17.93
	31	64.3	8.78	76.8	10.55	89.0	12.46	95.2	13.44	101.4	14.53	113.6	16.75	126.4	19.11
	33	64.3	9.29	76.8	11.14	89.0	13.21	95.2	14.25	101.4	15.43	113.6	17.79	126.4	20.37
	35	64.3	9.82	76.8	11.81	89.0	13.95	95.2	15.12	101.4	16.30	113.6	18.82	126.4	21.61
	37	64.3	10.41	76.8	12.46	89.0	14.76	95.2	16.02	101.4	17.26	113.6	20.06	126.4	22.95
	39	64.3	11.09	76.8	13.36	89.0	15.80	95.2	17.23	101.4	18.52	113.6	21.38	126.4	24.78
	41	62.6	12.01	74.8	14.48	86.7	17.29	92.7	18.66	98.6	20.07	110.7	23.43	123.2	26.91
	43	61.2	13.05	73.1	15.74	84.7	18.80	90.4	20.32	96.3	21.86	107.9	25.56	120.2	29.35
46	57.2	14.62	68.5	17.65	79.3	21.10	84.7	22.82	90.1	24.53	101.1	28.76	112.7	33.05	
48	50.7	12.74	60.6	15.40	70.2	18.41	75.1	19.92	79.9	21.41	89.5	25.12	99.7	28.90	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN700BTE5

Cooling Capacity (70HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	179.1	21.26	213.5	25.97	228.7	30.12	235.3	30.75	241.8	30.98	253.5	31.24	260.1	31.36
	12	179.1	21.78	213.5	26.89	228.7	31.36	235.3	31.56	241.8	31.82	253.5	32.08	260.1	32.36
	14	179.1	22.50	213.5	27.87	228.7	32.54	235.3	32.77	241.8	33.03	253.5	33.31	260.1	33.60
	16	179.1	23.33	213.5	28.85	228.7	34.01	235.3	34.32	241.8	34.59	253.5	34.90	260.1	35.17
	18	179.1	24.31	213.5	30.52	228.7	35.57	235.3	36.32	241.8	36.61	253.5	36.98	260.1	37.24
	20	179.1	25.38	213.5	32.51	228.7	37.32	235.3	39.96	241.8	40.27	249.9	40.68	256.4	40.96
	21	179.1	26.05	213.5	33.64	228.7	38.10	235.3	42.29	241.8	42.63	248.5	43.04	254.9	43.35
	23	179.1	27.95	213.5	35.40	228.7	40.07	235.3	46.67	238.8	47.05	244.7	47.51	251.4	47.83
	25	179.1	29.85	213.5	37.44	228.7	42.83	232.5	51.75	235.3	52.16	241.8	52.68	248.5	53.05
	27	179.1	31.93	213.5	40.01	225.8	45.64	228.7	56.97	232.5	57.43	238.8	58.01	244.7	58.39
	29	179.1	34.04	213.5	42.78	222.2	49.10	225.4	62.62	228.7	63.00	235.3	63.55	241.8	63.81
	31	179.1	36.32	212.7	45.06	218.5	52.22	222.2	62.34	225.4	62.72	231.6	63.29	238.3	63.55
	33	179.1	38.68	209.1	47.74	215.6	56.02	219.1	61.79	222.2	62.16	228.7	62.71	234.5	62.95
	35	179.1	41.25	205.3	49.99	212.0	60.67	215.6	60.98	219.1	61.33	225.1	61.88	231.6	62.14
	37	179.1	43.99	202.4	52.47	209.1	59.86	212.0	60.17	215.6	60.52	221.4	61.07	228.1	61.30
	39	179.1	46.85	198.9	55.24	205.3	59.08	209.1	59.37	212.0	59.72	218.5	60.26	225.1	60.49
	41	174.7	49.70	190.7	57.99	197.1	58.27	200.1	58.56	203.9	58.91	210.0	59.43	215.8	59.68
	43	170.3	52.41	182.6	57.18	189.0	57.46	191.9	57.75	195.7	58.10	201.8	58.62	207.3	58.85
46	159.6	56.10	166.6	55.99	172.7	56.26	175.3	56.54	179.1	56.89	184.6	57.40	189.8	57.61	
48	141.2	54.52	144.7	54.69	150.2	54.81	152.5	54.96	155.8	55.44	160.7	55.79	165.3	56.00	
120	10	165.7	19.12	197.1	23.45	215.3	27.84	221.9	30.09	228.4	30.58	240.9	30.70	246.8	30.95
	12	165.7	19.64	197.1	24.23	215.3	28.97	221.9	30.73	228.4	31.70	240.9	32.10	246.8	32.34
	14	165.7	20.31	197.1	25.06	215.3	30.14	221.9	31.90	228.4	32.86	240.9	33.35	246.8	33.63
	16	165.7	21.03	197.1	26.08	215.3	31.30	221.9	33.09	228.4	34.39	240.9	34.82	246.8	35.08
	18	165.7	21.87	197.1	27.26	215.3	32.57	221.9	34.84	228.4	36.15	240.9	36.57	246.8	36.86
	20	165.7	22.70	197.1	28.90	215.3	34.30	221.9	36.66	228.4	38.08	240.9	38.57	246.8	38.88
	21	165.7	23.39	197.1	29.94	215.3	35.28	221.9	37.73	228.4	39.32	240.9	39.81	246.8	40.13
	23	165.7	25.01	197.1	32.02	215.3	37.79	221.9	40.10	228.4	41.92	240.9	42.35	246.8	42.69
	25	165.7	26.71	197.1	34.30	215.3	39.87	221.9	42.75	228.4	44.95	238.0	45.32	243.8	45.69
	27	165.7	28.51	197.1	36.69	215.3	42.43	221.9	45.67	228.4	48.32	234.2	48.64	240.3	49.04
	29	165.7	30.41	197.1	39.15	215.3	44.65	221.9	48.87	224.8	51.49	230.7	52.27	237.2	52.68
	31	165.7	32.42	197.1	41.83	215.3	46.96	219.0	52.36	221.9	55.24	227.8	56.22	233.6	56.66
	33	165.7	34.50	197.1	44.57	212.4	49.67	215.3	56.83	218.2	59.31	224.0	59.97	229.9	60.46
	35	165.7	36.69	197.1	47.52	208.8	52.56	211.7	62.62	215.3	62.92	221.1	63.12	226.9	63.61
	37	165.7	39.46	197.1	50.14	205.9	56.05	208.8	61.30	211.7	61.59	217.6	61.79	223.4	62.28
	39	165.7	42.49	196.3	53.00	202.2	59.45	205.1	60.03	208.0	60.35	214.7	60.52	220.5	61.01
	41	161.6	45.50	187.8	55.85	194.2	58.27	196.9	58.79	199.8	59.08	205.6	59.25	211.4	59.72
	43	157.5	48.58	179.9	55.07	186.1	56.97	188.7	57.52	191.6	57.81	197.2	57.98	203.0	58.44
46	147.6	52.22	164.0	53.74	170.0	55.18	172.4	55.62	175.0	55.91	180.5	56.08	185.8	56.51	
48	130.6	51.17	142.4	52.79	147.8	54.09	149.9	54.43	152.3	54.61	156.9	54.81	161.6	55.04	
110	10	151.7	17.19	180.8	20.97	201.9	24.89	207.7	26.94	220.8	28.99	226.0	29.80	241.2	30.29
	12	151.7	17.74	180.8	21.66	201.9	25.93	207.7	27.70	220.8	30.09	226.0	31.06	241.2	31.77
	14	151.7	18.29	180.8	22.64	201.9	27.09	207.7	29.08	220.8	31.61	226.0	32.51	241.2	33.18
	16	151.7	18.93	180.8	23.46	201.9	28.22	207.7	30.35	220.8	33.06	226.0	33.96	241.2	34.56
	18	151.7	19.64	180.8	24.44	201.9	29.85	207.7	31.96	220.8	34.88	226.0	35.57	241.2	36.23
	20	151.7	20.34	180.8	25.67	201.9	31.65	207.7	33.43	220.8	36.57	226.0	37.47	241.2	38.08
	21	151.7	20.80	180.8	26.42	201.9	32.46	207.7	34.33	220.8	37.59	226.0	38.54	241.2	39.14
	23	151.7	22.15	180.8	28.33	201.9	34.27	207.7	36.23	220.8	39.70	226.0	40.56	241.2	41.22
	25	151.7	23.66	180.8	30.23	201.9	36.21	207.7	38.31	220.8	41.95	226.0	42.55	238.3	43.42
	27	151.7	25.27	180.8	32.31	201.9	38.26	207.7	40.53	220.8	43.82	226.0	44.82	234.8	45.58
	29	151.7	27.00	180.8	34.50	201.9	40.44	207.7	42.93	220.8	46.30	226.0	47.11	231.9	47.80
	31	151.7	28.70	180.8	36.78	201.9	42.73	207.7	45.49	217.3	48.66	223.1	49.61	228.1	50.13
	33	151.7	30.61	180.8	39.15	201.9	45.15	207.7	48.20	214.3	51.38	219.4	52.24	225.2	52.53
	35	151.7	32.51	180.8	41.83	201.9	47.68	207.7	51.09	210.6	54.23	215.8	54.72	221.7	54.99
	37	151.7	34.45	180.8	44.39	201.9	50.34	204.8	54.12	207.1	57.18	212.9	57.38	217.9	57.55
	39	151.7	37.15	180.8	47.17	198.3	53.11	201.2	57.89	204.2	60.03	209.2	60.12	215.0	60.18
	41	147.8	39.84	176.2	49.94	189.8	56.00	192.8	62.62	195.2	62.62	201.0	63.12	205.9	63.61
	43	144.1	41.83	171.8	52.04	182.0	59.40	184.9	60.06	187.3	59.94	192.8	60.26	197.7	60.44
46	135.0	40.82	161.0	50.23	166.0	56.37	168.9	56.37	171.0	56.86	176.2	57.17	180.8	57.32	
48	119.5	39.64	140.0	48.40	144.1	53.63	146.7	53.98	148.7	54.26	153.4	54.40	157.3	54.61	

# 7. Capacity Tables

Cooling Capacity (70HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	132.4	15.49	157.5	18.81	183.4	22.33	196.0	24.12	208.6	25.93	231.3	28.85	236.3	29.08
	12	132.4	15.98	157.5	19.59	183.4	23.08	196.0	24.78	208.6	26.74	231.3	30.40	236.3	30.70
	14	132.4	16.47	157.5	20.37	183.4	24.06	196.0	25.85	208.6	27.90	231.3	32.11	236.3	32.40
	16	132.4	16.99	157.5	21.05	183.4	25.07	196.0	27.06	208.6	29.40	231.3	33.66	236.3	34.13
	18	132.4	17.48	157.5	21.83	183.4	26.05	196.0	28.39	208.6	31.18	231.3	35.57	236.3	35.85
	20	132.4	18.11	157.5	22.65	183.4	27.57	196.0	30.41	208.6	33.37	231.3	37.27	236.3	37.56
	21	132.4	18.49	157.5	23.19	183.4	28.51	196.0	31.47	208.6	34.59	231.3	38.11	236.3	38.42
	23	132.4	19.59	157.5	24.81	183.4	30.61	196.0	33.75	208.6	37.07	231.3	39.90	236.3	40.24
	25	132.4	20.82	157.5	26.42	183.4	32.69	196.0	36.12	208.6	39.64	231.3	41.60	234.5	41.94
	27	132.4	22.24	157.5	28.24	183.4	34.99	196.0	38.60	208.6	42.14	226.9	43.56	231.6	43.91
	29	132.4	23.66	157.5	30.12	183.4	37.36	196.0	41.25	208.6	44.60	222.5	45.32	228.1	45.69
	31	132.4	25.27	157.5	32.13	183.4	39.83	196.0	44.02	208.6	46.87	219.3	47.08	224.6	47.45
	33	132.4	26.80	157.5	34.21	183.4	42.49	196.0	46.96	208.6	48.63	215.8	48.84	221.1	49.22
	35	132.4	28.51	157.5	36.40	183.4	45.24	196.0	50.08	205.4	50.39	211.8	50.59	217.3	51.00
	37	132.4	30.55	157.5	39.06	183.4	47.92	196.0	52.47	202.1	52.73	207.9	52.94	212.9	53.43
	39	132.4	32.74	157.5	41.94	183.4	50.78	196.0	55.04	198.6	55.28	204.5	55.50	209.4	56.02
	41	130.1	34.94	154.9	44.83	180.5	53.65	188.1	57.61	192.2	57.84	196.6	58.04	203.0	58.59
	43	125.7	36.98	149.6	47.54	174.4	56.22	180.3	59.80	182.3	60.03	188.1	60.21	193.0	60.78
46	117.8	39.78	140.3	51.24	163.3	59.62	164.5	62.62	166.5	62.80	171.8	62.98	176.4	63.58	
48	104.2	34.35	124.0	44.34	140.9	50.97	143.2	53.13	144.6	53.31	149.3	53.42	153.4	53.85	
90	10	119.0	13.45	142.1	16.18	165.1	19.07	176.4	20.54	187.6	22.13	210.6	24.76	233.9	27.55
	12	119.0	13.62	142.1	16.42	165.1	19.39	176.4	20.97	187.6	22.62	210.6	25.25	233.9	28.02
	14	119.0	13.87	142.1	16.76	165.1	19.82	176.4	21.38	187.6	23.02	210.6	25.74	233.9	28.59
	16	119.0	14.11	142.1	17.08	165.1	20.22	176.4	21.78	187.6	23.45	210.6	26.23	233.9	29.08
	18	119.0	14.37	142.1	17.42	165.1	20.54	176.4	22.30	187.6	23.94	210.6	26.80	233.9	30.55
	20	119.0	14.60	142.1	17.74	165.1	20.97	176.4	22.70	187.6	24.84	210.6	28.68	233.9	32.00
	21	119.0	14.77	142.1	17.91	165.1	21.38	176.4	23.45	187.6	25.76	210.6	29.14	233.9	32.74
	23	119.0	15.11	142.1	18.66	165.1	22.87	176.4	25.18	187.6	27.58	210.6	30.92	230.7	34.28
	25	119.0	15.84	142.1	19.90	165.1	24.44	176.4	26.91	187.6	29.46	210.6	33.06	227.2	35.74
	27	119.0	16.93	142.1	21.21	165.1	26.08	176.4	28.73	187.6	31.53	210.6	35.14	224.0	37.42
	29	119.0	17.91	142.1	22.62	165.1	27.90	176.4	30.70	187.6	33.67	210.6	37.22	220.5	38.92
	31	119.0	19.07	142.1	24.11	165.1	29.72	176.4	32.69	187.6	35.91	210.6	39.09	217.3	40.44
	33	119.0	20.31	142.1	25.67	165.1	31.70	176.4	34.83	187.6	38.08	210.6	40.97	213.8	41.95
	35	119.0	21.55	142.1	27.24	165.1	33.67	176.4	37.15	187.6	40.39	207.1	43.33	210.6	44.32
	37	119.0	22.87	142.1	28.97	165.1	35.92	176.4	39.46	187.6	42.64	203.8	45.29	207.3	46.30
	39	119.0	24.21	142.1	30.81	165.1	38.00	176.4	42.00	187.6	44.83	200.4	47.75	203.9	48.32
	41	116.0	27.09	138.5	34.16	161.0	41.72	171.8	45.93	182.9	48.41	192.0	50.32	195.4	51.47
	43	113.1	29.25	135.0	36.93	156.9	45.58	167.7	49.45	178.2	51.90	184.1	53.89	187.5	54.53
46	105.9	32.92	126.6	42.04	147.0	51.93	157.2	56.08	161.9	57.67	168.0	59.14	171.2	59.23	
48	93.7	28.76	112.0	36.78	130.1	45.43	138.9	48.92	140.6	49.68	146.1	50.92	148.8	50.98	
80	10	105.6	11.22	126.0	13.47	146.4	15.81	156.9	17.07	167.4	18.31	187.6	20.88	207.9	22.67
	12	105.6	11.45	126.0	13.64	146.4	16.13	156.9	17.37	167.4	18.63	187.6	21.26	207.9	23.13
	14	105.6	11.60	126.0	13.96	146.4	16.36	156.9	17.68	167.4	18.93	187.6	21.66	207.9	23.57
	16	105.6	11.77	126.0	14.19	146.4	16.67	156.9	18.00	167.4	19.32	187.6	22.12	207.9	24.02
	18	105.6	12.00	126.0	14.42	146.4	16.99	156.9	18.31	167.4	19.70	187.6	22.52	207.9	24.54
	20	105.6	12.23	126.0	14.74	146.4	17.37	156.9	18.69	167.4	20.10	187.6	23.37	207.9	25.99
	21	105.6	12.31	126.0	14.88	146.4	17.54	156.9	18.93	167.4	20.57	187.6	24.11	207.9	26.68
	23	105.6	12.55	126.0	15.11	146.4	18.31	156.9	20.10	167.4	21.98	187.6	25.47	207.9	28.01
	25	105.6	13.01	126.0	16.13	146.4	19.64	156.9	21.51	167.4	23.53	187.6	27.25	207.9	29.94
	27	105.6	13.79	126.0	17.14	146.4	20.97	156.9	22.99	167.4	25.09	187.6	28.96	207.9	31.52
	29	105.6	14.65	126.0	18.31	146.4	22.29	156.9	24.46	167.4	26.80	187.6	31.01	207.9	33.72
	31	105.6	15.58	126.0	19.41	146.4	23.77	156.9	26.10	167.4	28.52	187.6	32.91	207.9	35.42
	33	105.6	16.52	126.0	20.73	146.4	25.32	156.9	27.81	167.4	30.38	187.6	34.67	207.9	37.13
	35	105.6	17.54	126.0	21.98	146.4	26.97	156.9	29.60	167.4	32.42	187.6	36.78	205.6	38.48
	37	105.6	18.55	126.0	23.36	146.4	28.59	156.9	31.47	167.4	34.44	187.6	38.82	202.4	40.24
	39	105.6	19.59	126.0	24.69	146.4	30.58	156.9	33.84	167.4	37.01	187.6	41.01	199.0	42.43
	41	103.0	21.69	122.8	27.37	142.6	33.57	152.8	37.09	163.0	40.67	182.9	45.63	190.7	47.04
	43	100.4	23.86	119.8	29.86	139.1	36.64	149.0	40.44	159.0	44.45	178.2	48.83	182.9	50.36
46	94.2	26.56	112.3	33.63	130.3	41.28	139.7	45.00	149.0	50.16	163.0	53.30	166.8	54.14	
48	83.4	23.19	99.2	29.42	115.2	36.11	123.6	39.31	131.8	43.90	141.5	46.13	145.0	46.61	

# 7. Capacity Tables

Cooling Capacity (70HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	92.4	9.81	110.6	11.65	128.1	13.52	137.1	14.59	146.4	15.60	163.9	17.76	182.0	19.87
	12	92.4	9.95	110.6	11.82	128.1	13.82	137.1	14.82	146.4	15.91	163.9	18.06	182.0	20.24
	14	92.4	10.12	110.6	11.97	128.1	14.05	137.1	15.05	146.4	16.15	163.9	18.46	182.0	20.62
	16	92.4	10.27	110.6	12.20	128.1	14.28	137.1	15.37	146.4	16.44	163.9	18.77	182.0	21.05
	18	92.4	10.41	110.6	12.43	128.1	14.59	137.1	15.66	146.4	16.76	163.9	19.07	182.0	21.43
	20	92.4	10.58	110.6	12.66	128.1	14.82	137.1	15.98	146.4	17.13	163.9	19.53	182.0	22.24
	21	92.4	10.73	110.6	12.74	128.1	14.97	137.1	16.15	146.4	17.30	163.9	19.84	182.0	22.70
	23	92.4	10.90	110.6	13.04	128.1	15.29	137.1	16.67	146.4	18.14	163.9	21.23	182.0	23.97
	25	92.4	11.04	110.6	13.52	128.1	16.29	137.1	17.83	146.4	19.38	163.9	22.70	182.0	25.15
	27	92.4	11.65	110.6	14.45	128.1	17.36	137.1	18.92	146.4	20.70	163.9	24.25	182.0	26.71
	29	92.4	12.43	110.6	15.29	128.1	18.46	137.1	20.16	146.4	22.00	163.9	25.87	182.0	28.61
	31	92.4	13.21	110.6	16.29	128.1	19.69	137.1	21.54	146.4	23.47	163.9	27.57	182.0	30.37
	33	92.4	13.98	110.6	17.22	128.1	20.93	137.1	22.84	146.4	24.94	163.9	29.33	182.0	32.33
	35	92.4	14.74	110.6	18.37	128.1	22.24	137.1	24.31	146.4	26.56	163.9	31.26	182.0	34.29
	37	92.4	15.66	110.6	19.47	128.1	23.62	137.1	25.87	146.4	28.26	163.9	33.28	182.0	36.19
	39	92.4	16.64	110.6	20.76	128.1	25.26	137.1	27.83	146.4	30.54	163.9	35.62	182.0	39.02
41	90.1	18.40	107.7	22.73	124.8	27.71	133.6	30.52	142.6	33.19	159.6	39.11	177.3	42.08	
43	87.8	20.04	105.0	24.77	121.7	30.23	130.4	33.28	139.1	36.25	155.7	42.74	173.0	45.50	
46	82.3	22.26	98.6	27.86	114.1	34.06	122.2	37.08	130.3	40.86	145.8	48.19	162.1	50.70	
48	72.9	19.43	87.2	24.34	100.9	29.76	108.2	32.39	115.2	35.73	129.0	42.19	143.5	43.89	
60	10	79.1	8.42	94.5	9.86	109.9	11.48	117.6	12.31	125.4	13.09	140.6	14.85	156.1	16.61
	12	79.1	8.57	94.5	10.03	109.9	11.62	117.6	12.48	125.4	13.32	140.6	15.08	156.1	16.90
	14	79.1	8.65	94.5	10.18	109.9	11.85	117.6	12.69	125.4	13.55	140.6	15.37	156.1	17.21
	16	79.1	8.80	94.5	10.41	109.9	12.02	117.6	12.92	125.4	13.84	140.6	15.69	156.1	17.53
	18	79.1	8.94	94.5	10.55	109.9	12.25	117.6	13.15	125.4	14.07	140.6	15.92	156.1	17.90
	20	79.1	9.11	94.5	10.70	109.9	12.48	117.6	13.38	125.4	14.30	140.6	16.23	156.1	18.28
	21	79.1	9.17	94.5	10.78	109.9	12.63	117.6	13.55	125.4	14.45	140.6	16.44	156.1	18.43
	23	79.1	9.34	94.5	11.02	109.9	12.77	117.6	13.78	125.4	14.76	140.6	17.07	156.1	19.58
	25	79.1	9.49	94.5	11.25	109.9	13.32	117.6	14.45	125.4	15.69	140.6	18.22	156.1	20.96
	27	79.1	9.80	94.5	11.85	109.9	14.16	117.6	15.37	125.4	16.67	140.6	19.35	156.1	22.34
	29	79.1	10.41	94.5	12.63	109.9	15.08	117.6	16.38	125.4	17.76	140.6	20.65	156.1	23.87
	31	79.1	11.02	94.5	13.38	109.9	16.00	117.6	17.44	125.4	18.89	140.6	22.03	156.1	25.40
	33	79.1	11.62	94.5	14.16	109.9	16.98	117.6	18.51	125.4	20.12	140.6	23.41	156.1	27.08
	35	79.1	12.31	94.5	15.08	109.9	18.05	117.6	19.66	125.4	21.34	140.6	24.94	156.1	28.77
	37	79.1	13.00	94.5	15.91	109.9	19.12	117.6	20.88	125.4	22.64	140.6	26.47	156.1	30.60
	39	79.1	13.84	94.5	16.93	109.9	20.64	117.6	22.41	125.4	24.37	140.6	28.38	156.1	32.79
41	77.0	15.00	92.1	18.54	107.1	22.43	114.6	24.48	122.2	26.44	137.1	31.14	152.2	35.64	
43	75.2	16.29	89.8	20.18	104.4	24.45	111.7	26.67	119.0	28.86	133.6	34.00	148.4	38.93	
46	70.5	18.25	84.3	22.66	98.0	27.48	104.7	29.99	111.7	32.46	125.4	38.32	139.1	44.35	
48	62.4	15.91	74.4	19.78	86.6	24.02	92.7	26.18	98.6	28.37	110.8	33.51	123.1	38.81	
50	10	66.2	7.21	79.1	8.33	91.6	9.48	98.0	10.15	104.4	10.76	116.9	12.13	130.1	13.49
	12	66.2	7.27	79.1	8.42	91.6	9.63	98.0	10.32	104.4	10.99	116.9	12.36	130.1	13.72
	14	66.2	7.35	79.1	8.56	91.6	9.77	98.0	10.46	104.4	11.15	116.9	12.51	130.1	13.95
	16	66.2	7.50	79.1	8.71	91.6	9.92	98.0	10.69	104.4	11.30	116.9	12.74	130.1	14.18
	18	66.2	7.58	79.1	8.79	91.6	10.09	98.0	10.84	104.4	11.53	116.9	12.97	130.1	14.47
	20	66.2	7.66	79.1	8.94	91.6	10.32	98.0	10.99	104.4	11.76	116.9	13.20	130.1	14.79
	21	66.2	7.73	79.1	9.02	91.6	10.38	98.0	11.15	104.4	11.82	116.9	13.35	130.1	14.93
	23	66.2	7.87	79.1	9.17	91.6	10.55	98.0	11.30	104.4	12.05	116.9	13.58	130.1	15.25
	25	66.2	7.96	79.1	9.32	91.6	10.76	98.0	11.53	104.4	12.43	116.9	14.24	130.1	16.29
	27	66.2	8.10	79.1	9.63	91.6	11.36	98.0	12.28	104.4	13.20	116.9	15.25	130.1	17.36
	29	66.2	8.56	79.1	10.23	91.6	12.05	98.0	13.03	104.4	14.01	116.9	16.14	130.1	18.42
	31	66.2	9.02	79.1	10.84	91.6	12.80	98.0	13.80	104.4	14.93	116.9	17.21	130.1	19.63
	33	66.2	9.54	79.1	11.45	91.6	13.58	98.0	14.64	104.4	15.85	116.9	18.27	130.1	20.93
	35	66.2	10.09	79.1	12.13	91.6	14.33	98.0	15.54	104.4	16.75	116.9	19.34	130.1	22.20
	37	66.2	10.69	79.1	12.80	91.6	15.16	98.0	16.46	104.4	17.73	116.9	20.61	130.1	23.58
	39	66.2	11.39	79.1	13.73	91.6	16.23	98.0	17.70	104.4	19.03	116.9	21.97	130.1	25.46
41	64.5	12.34	77.0	14.87	89.3	17.76	95.4	19.17	101.5	20.62	114.0	24.07	126.9	27.65	
43	63.0	13.40	75.2	16.17	87.2	19.32	93.1	20.87	99.2	22.46	111.1	26.26	123.7	30.16	
46	58.9	15.02	70.5	18.13	81.7	21.68	87.2	23.44	92.8	25.20	104.1	29.55	116.0	33.96	
48	52.2	13.08	62.4	15.82	72.3	18.91	77.3	20.47	82.2	22.00	92.1	25.80	102.6	29.69	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

◆ ARUN720BTE5

Cooling Capacity (72HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	184.2	22.11	219.6	27.00	235.2	31.32	242.1	31.98	248.7	32.22	260.7	32.49	267.6	32.61
	12	184.2	22.65	219.6	27.96	235.2	32.61	242.1	32.82	248.7	33.09	260.7	33.36	267.6	33.66
	14	184.2	23.40	219.6	28.98	235.2	33.84	242.1	34.08	248.7	34.35	260.7	34.65	267.6	34.95
	16	184.2	24.27	219.6	30.00	235.2	35.37	242.1	35.70	248.7	35.97	260.7	36.30	267.6	36.57
	18	184.2	25.29	219.6	31.74	235.2	36.99	242.1	37.77	248.7	38.07	260.7	38.46	267.6	38.73
	20	184.2	26.40	219.6	33.81	235.2	38.82	242.1	41.55	248.7	41.88	257.1	42.30	263.7	42.60
	21	184.2	27.09	219.6	34.98	235.2	39.63	242.1	43.98	248.7	44.34	255.6	44.76	262.2	45.09
	23	184.2	29.07	219.6	36.81	235.2	41.67	242.1	48.54	245.7	48.93	251.7	49.41	258.6	49.74
	25	184.2	31.05	219.6	38.94	235.2	44.55	239.1	53.82	242.1	54.24	248.7	54.78	255.6	55.17
	27	184.2	33.21	219.6	41.61	232.2	47.46	235.2	59.25	239.1	59.73	245.7	60.33	251.7	60.72
	29	184.2	35.40	219.6	44.49	228.6	51.06	231.9	65.13	235.2	65.52	242.1	66.09	248.7	66.36
	31	184.2	37.77	218.7	46.86	224.7	54.30	228.6	64.83	231.9	65.22	238.2	65.82	245.1	66.09
	33	184.2	40.23	215.1	49.65	221.7	58.26	225.3	64.26	228.6	64.65	235.2	65.22	241.2	65.46
	35	184.2	42.90	211.2	51.99	218.1	63.09	221.7	63.42	225.3	63.78	231.6	64.35	238.2	64.62
	37	184.2	45.75	208.2	54.57	215.1	62.25	218.1	62.58	221.7	62.94	227.7	63.51	234.6	63.75
	39	184.2	48.72	204.6	57.45	211.2	61.44	215.1	61.74	218.1	62.10	224.7	62.67	231.6	62.91
	41	179.7	51.69	196.2	60.30	202.8	60.60	205.8	60.90	209.7	61.26	216.0	61.80	222.0	62.07
	43	175.2	54.51	187.8	59.46	194.4	59.76	197.4	60.06	201.3	60.42	207.6	60.96	213.3	61.20
46	164.1	58.35	171.3	58.23	177.6	58.50	180.3	58.80	184.2	59.16	189.9	59.70	195.3	59.91	
48	145.2	56.70	148.8	56.88	154.5	57.00	156.9	57.15	160.2	57.66	165.3	58.02	170.1	58.23	
120	10	170.4	19.89	202.8	24.39	221.4	28.95	228.3	31.29	234.9	31.80	247.8	31.92	253.8	32.19
	12	170.4	20.43	202.8	25.20	221.4	30.12	228.3	31.95	234.9	32.97	247.8	33.39	253.8	33.63
	14	170.4	21.12	202.8	26.07	221.4	31.35	228.3	33.18	234.9	34.17	247.8	34.68	253.8	34.98
	16	170.4	21.87	202.8	27.12	221.4	32.55	228.3	34.41	234.9	35.76	247.8	36.21	253.8	36.48
	18	170.4	22.74	202.8	28.35	221.4	33.87	228.3	36.24	234.9	37.59	247.8	38.04	253.8	38.34
	20	170.4	23.61	202.8	30.06	221.4	35.67	228.3	38.13	234.9	39.60	247.8	40.11	253.8	40.44
	21	170.4	24.33	202.8	31.14	221.4	36.69	228.3	39.24	234.9	40.89	247.8	41.40	253.8	41.73
	23	170.4	26.01	202.8	33.30	221.4	39.30	228.3	41.70	234.9	43.59	247.8	44.04	253.8	44.40
	25	170.4	27.78	202.8	35.67	221.4	41.46	228.3	44.46	234.9	46.74	244.8	47.13	250.8	47.52
	27	170.4	29.64	202.8	38.16	221.4	44.13	228.3	47.49	234.9	50.25	240.9	50.58	247.2	51.00
	29	170.4	31.62	202.8	40.71	221.4	46.44	228.3	50.82	231.3	53.55	237.3	54.36	243.9	54.78
	31	170.4	33.72	202.8	43.50	221.4	48.84	225.3	54.45	228.3	57.45	234.3	58.47	240.3	58.92
	33	170.4	35.88	202.8	46.35	218.4	51.66	221.4	59.10	224.4	61.68	230.4	62.37	236.4	62.88
	35	170.4	38.16	202.8	49.41	214.8	54.66	217.8	65.13	221.4	65.43	227.4	65.64	233.4	66.15
	37	170.4	41.04	202.8	52.14	211.8	58.29	214.8	63.75	217.8	64.05	223.8	64.26	229.8	64.77
	39	170.4	44.19	201.9	55.11	207.9	61.83	210.9	62.43	213.9	62.76	220.8	62.94	226.8	63.45
	41	166.2	47.31	193.2	58.08	199.8	60.60	202.5	61.14	205.5	61.44	211.5	61.62	217.5	62.10
	43	162.0	50.52	185.1	57.27	191.4	59.25	194.1	59.82	197.1	60.12	202.8	60.30	208.8	60.78
46	151.8	54.30	168.6	55.89	174.9	57.39	177.3	57.84	180.0	58.14	185.7	58.32	191.1	58.77	
48	134.4	53.22	146.4	54.90	152.1	56.25	154.2	56.61	156.6	56.79	161.4	57.00	166.2	57.24	
110	10	156.0	17.88	186.0	21.81	207.6	25.89	213.6	28.02	227.1	30.15	232.5	30.99	248.1	31.50
	12	156.0	18.45	186.0	22.53	207.6	26.97	213.6	28.80	227.1	31.29	232.5	32.31	248.1	33.03
	14	156.0	19.02	186.0	23.55	207.6	28.17	213.6	30.24	227.1	32.88	232.5	33.81	248.1	34.50
	16	156.0	19.68	186.0	24.39	207.6	29.34	213.6	31.56	227.1	34.38	232.5	35.31	248.1	35.94
	18	156.0	20.43	186.0	25.41	207.6	31.05	213.6	33.24	227.1	36.27	232.5	36.99	248.1	37.68
	20	156.0	21.15	186.0	26.70	207.6	32.91	213.6	34.77	227.1	38.04	232.5	38.97	248.1	39.60
	21	156.0	21.63	186.0	27.48	207.6	33.75	213.6	35.70	227.1	39.09	232.5	40.08	248.1	40.71
	23	156.0	23.04	186.0	29.46	207.6	35.64	213.6	37.68	227.1	41.28	232.5	42.18	248.1	42.87
	25	156.0	24.60	186.0	31.44	207.6	37.65	213.6	39.84	227.1	43.62	232.5	44.25	245.1	45.15
	27	156.0	26.28	186.0	33.60	207.6	39.78	213.6	42.15	227.1	45.57	232.5	46.62	241.5	47.40
	29	156.0	28.08	186.0	35.88	207.6	42.06	213.6	44.64	227.1	48.15	232.5	48.99	238.5	49.71
	31	156.0	29.85	186.0	38.25	207.6	44.43	213.6	47.31	223.5	50.61	229.5	51.60	234.6	52.14
	33	156.0	31.83	186.0	40.71	207.6	46.95	213.6	50.13	220.5	53.43	225.6	54.33	231.6	54.63
	35	156.0	33.81	186.0	43.50	207.6	49.59	213.6	53.13	216.6	56.40	222.0	56.91	228.0	57.18
	37	156.0	35.82	186.0	46.17	207.6	52.35	210.6	56.28	213.0	59.46	219.0	59.67	224.1	59.85
	39	156.0	38.64	186.0	49.05	204.0	55.23	207.0	60.21	210.0	62.43	215.1	62.52	221.1	62.58
	41	152.1	41.43	181.2	51.93	195.3	58.23	198.3	65.13	200.7	65.13	206.7	65.64	211.8	66.15
	43	148.2	43.50	176.7	54.12	187.2	61.77	190.2	62.46	192.6	62.34	198.3	62.67	203.4	62.85
46	138.9	42.45	165.6	52.23	170.7	58.62	173.7	58.62	175.8	59.13	181.2	59.46	186.0	59.61	
48	123.0	41.22	144.0	50.34	148.2	55.77	150.9	56.13	153.0	56.43	157.8	56.58	161.7	56.79	

# 7. Capacity Tables

Cooling Capacity (72HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	136.2	16.11	162.0	19.56	188.7	23.22	201.6	25.08	214.5	26.97	237.9	30.00	243.0	30.24
	12	136.2	16.62	162.0	20.37	188.7	24.00	201.6	25.77	214.5	27.81	237.9	31.62	243.0	31.92
	14	136.2	17.13	162.0	21.18	188.7	25.02	201.6	26.88	214.5	29.01	237.9	33.39	243.0	33.69
	16	136.2	17.67	162.0	21.90	188.7	26.07	201.6	28.14	214.5	30.57	237.9	35.01	243.0	35.49
	18	136.2	18.18	162.0	22.71	188.7	27.09	201.6	29.52	214.5	32.43	237.9	36.99	243.0	37.29
	20	136.2	18.84	162.0	23.55	188.7	28.68	201.6	31.62	214.5	34.71	237.9	38.76	243.0	39.06
	21	136.2	19.23	162.0	24.12	188.7	29.64	201.6	32.73	214.5	35.97	237.9	39.63	243.0	39.96
	23	136.2	20.37	162.0	25.80	188.7	31.83	201.6	35.10	214.5	38.55	237.9	41.49	243.0	41.85
	25	136.2	21.66	162.0	27.48	188.7	33.99	201.6	37.56	214.5	41.22	237.9	43.26	241.2	43.62
	27	136.2	23.13	162.0	29.37	188.7	36.39	201.6	40.14	214.5	43.83	233.4	45.30	238.2	45.66
	29	136.2	24.60	162.0	31.32	188.7	38.85	201.6	42.90	214.5	46.38	228.9	47.13	234.6	47.52
	31	136.2	26.28	162.0	33.42	188.7	41.43	201.6	45.78	214.5	48.75	225.6	48.96	231.0	49.35
	33	136.2	27.87	162.0	35.58	188.7	44.19	201.6	48.84	214.5	50.58	222.0	50.79	227.4	51.18
	35	136.2	29.64	162.0	37.86	188.7	47.04	201.6	52.08	211.2	52.41	217.8	52.62	223.5	53.04
	37	136.2	31.77	162.0	40.62	188.7	49.83	201.6	54.57	207.9	54.84	213.9	55.05	219.0	55.56
	39	136.2	34.05	162.0	43.62	188.7	52.80	201.6	57.24	204.3	57.48	210.3	57.72	215.4	58.26
	41	133.8	36.33	159.3	46.62	185.7	55.80	193.5	59.91	197.7	60.15	202.2	60.36	208.8	60.93
	43	129.3	38.46	153.9	49.44	179.4	58.47	185.4	62.19	187.5	62.43	193.5	62.61	198.6	63.21
46	121.2	41.37	144.3	53.28	168.0	62.01	169.2	65.13	171.3	65.31	176.7	65.49	181.5	66.12	
48	107.1	35.73	127.5	46.11	144.9	53.01	147.3	55.26	148.8	55.44	153.6	55.56	157.8	56.01	
90	10	122.4	13.98	146.1	16.83	169.8	19.83	181.5	21.36	192.9	23.01	216.6	25.74	240.6	28.65
	12	122.4	14.16	146.1	17.07	169.8	20.16	181.5	21.81	192.9	23.52	216.6	26.25	240.6	29.13
	14	122.4	14.43	146.1	17.43	169.8	20.61	181.5	22.23	192.9	23.94	216.6	26.76	240.6	29.73
	16	122.4	14.67	146.1	17.76	169.8	21.03	181.5	22.65	192.9	24.39	216.6	27.27	240.6	30.24
	18	122.4	14.94	146.1	18.12	169.8	21.36	181.5	23.19	192.9	24.90	216.6	27.87	240.6	31.77
	20	122.4	15.18	146.1	18.45	169.8	21.81	181.5	23.61	192.9	25.83	216.6	29.82	240.6	33.27
	21	122.4	15.36	146.1	18.63	169.8	22.23	181.5	24.39	192.9	26.79	216.6	30.30	240.6	34.05
	23	122.4	15.72	146.1	19.41	169.8	23.79	181.5	26.19	192.9	28.68	216.6	32.16	237.3	35.64
	25	122.4	16.47	146.1	20.70	169.8	25.41	181.5	27.99	192.9	30.63	216.6	34.38	233.7	37.17
	27	122.4	17.61	146.1	22.05	169.8	27.12	181.5	29.88	192.9	32.79	216.6	36.54	230.4	38.91
	29	122.4	18.63	146.1	23.52	169.8	29.01	181.5	31.92	192.9	35.01	216.6	38.70	226.8	40.47
	31	122.4	19.83	146.1	25.08	169.8	30.90	181.5	33.99	192.9	37.35	216.6	40.65	223.5	42.06
	33	122.4	21.12	146.1	26.70	169.8	32.97	181.5	36.21	192.9	39.60	216.6	42.60	219.9	43.62
	35	122.4	22.41	146.1	28.32	169.8	35.01	181.5	38.64	192.9	42.00	213.0	45.06	216.6	46.08
	37	122.4	23.79	146.1	30.12	169.8	37.35	181.5	41.04	192.9	44.34	209.7	47.10	213.3	48.15
	39	122.4	25.17	146.1	32.04	169.8	39.51	181.5	43.68	192.9	46.62	206.1	49.65	209.7	50.25
	41	119.4	28.17	142.5	35.52	165.6	43.38	176.7	47.76	188.1	50.34	197.4	52.32	201.0	53.52
	43	116.4	30.42	138.9	38.40	161.4	47.40	172.5	51.42	183.3	53.97	189.3	56.04	192.9	56.70
46	108.9	34.23	130.2	43.71	151.2	54.00	161.7	58.32	166.5	59.97	172.8	61.50	176.1	61.59	
48	96.3	29.91	115.2	38.25	133.8	47.25	142.8	50.88	144.6	51.66	150.3	52.95	153.0	53.01	
80	10	108.6	11.67	129.6	14.01	150.6	16.44	161.4	17.76	172.2	19.05	192.9	21.72	213.9	23.58
	12	108.6	11.91	129.6	14.19	150.6	16.77	161.4	18.06	172.2	19.38	192.9	22.11	213.9	24.06
	14	108.6	12.06	129.6	14.52	150.6	17.01	161.4	18.39	172.2	19.68	192.9	22.53	213.9	24.51
	16	108.6	12.24	129.6	14.76	150.6	17.34	161.4	18.72	172.2	20.10	192.9	23.01	213.9	24.99
	18	108.6	12.48	129.6	15.00	150.6	17.67	161.4	19.05	172.2	20.49	192.9	23.43	213.9	25.53
	20	108.6	12.72	129.6	15.33	150.6	18.06	161.4	19.44	172.2	20.91	192.9	24.30	213.9	27.03
	21	108.6	12.81	129.6	15.48	150.6	18.24	161.4	19.68	172.2	21.39	192.9	25.08	213.9	27.75
	23	108.6	13.05	129.6	15.72	150.6	19.05	161.4	20.91	172.2	22.86	192.9	26.49	213.9	29.13
	25	108.6	13.53	129.6	16.77	150.6	20.43	161.4	22.38	172.2	24.48	192.9	28.35	213.9	31.14
	27	108.6	14.34	129.6	17.82	150.6	21.81	161.4	23.91	172.2	26.10	192.9	30.12	213.9	32.79
	29	108.6	15.24	129.6	19.05	150.6	23.19	161.4	25.44	172.2	27.87	192.9	32.25	213.9	35.07
	31	108.6	16.20	129.6	20.19	150.6	24.72	161.4	27.15	172.2	29.67	192.9	34.23	213.9	36.84
	33	108.6	17.19	129.6	21.57	150.6	26.34	161.4	28.92	172.2	31.59	192.9	36.06	213.9	38.61
	35	108.6	18.24	129.6	22.86	150.6	28.05	161.4	30.78	172.2	33.72	192.9	38.25	211.5	40.02
	37	108.6	19.29	129.6	24.30	150.6	29.73	161.4	32.73	172.2	35.82	192.9	40.38	208.2	41.85
	39	108.6	20.37	129.6	25.68	150.6	31.80	161.4	35.19	172.2	38.49	192.9	42.66	204.6	44.13
	41	105.9	22.56	126.3	28.47	146.7	34.92	157.2	38.58	167.7	42.30	188.1	47.46	196.2	48.93
	43	103.2	24.81	123.3	31.05	143.1	38.10	153.3	42.06	163.5	46.23	183.3	50.79	188.1	52.38
46	96.9	27.63	115.5	34.98	134.1	42.93	143.7	46.80	153.3	52.17	167.7	55.44	171.6	56.31	
48	85.8	24.12	102.0	30.60	118.5	37.56	127.2	40.89	135.6	45.66	145.5	47.97	149.1	48.48	



# 7. Capacity Tables

Cooling Capacity (72HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	95.1	10.20	113.7	12.12	131.7	14.07	141.0	15.18	150.6	16.23	168.6	18.48	187.2	20.67
	12	95.1	10.35	113.7	12.30	131.7	14.37	141.0	15.42	150.6	16.56	168.6	18.78	187.2	21.06
	14	95.1	10.53	113.7	12.45	131.7	14.61	141.0	15.66	150.6	16.80	168.6	19.20	187.2	21.45
	16	95.1	10.68	113.7	12.69	131.7	14.85	141.0	15.99	150.6	17.10	168.6	19.53	187.2	21.90
	18	95.1	10.83	113.7	12.93	131.7	15.18	141.0	16.29	150.6	17.43	168.6	19.83	187.2	22.29
	20	95.1	11.01	113.7	13.17	131.7	15.42	141.0	16.62	150.6	17.82	168.6	20.31	187.2	23.13
	21	95.1	11.16	113.7	13.26	131.7	15.57	141.0	16.80	150.6	18.00	168.6	20.64	187.2	23.61
	23	95.1	11.34	113.7	13.56	131.7	15.90	141.0	17.34	150.6	18.87	168.6	22.08	187.2	24.93
	25	95.1	11.49	113.7	14.07	131.7	16.95	141.0	18.54	150.6	20.16	168.6	23.61	187.2	26.16
	27	95.1	12.12	113.7	15.03	131.7	18.06	141.0	19.68	150.6	21.54	168.6	25.23	187.2	27.78
	29	95.1	12.93	113.7	15.90	131.7	19.20	141.0	20.97	150.6	22.89	168.6	26.91	187.2	29.76
	31	95.1	13.74	113.7	16.95	131.7	20.49	141.0	22.41	150.6	24.42	168.6	28.68	187.2	31.59
	33	95.1	14.55	113.7	17.91	131.7	21.78	141.0	23.76	150.6	25.95	168.6	30.51	187.2	33.63
	35	95.1	15.33	113.7	19.11	131.7	23.13	141.0	25.29	150.6	27.63	168.6	32.52	187.2	35.67
	37	95.1	16.29	113.7	20.25	131.7	24.57	141.0	26.91	150.6	29.40	168.6	34.62	187.2	37.65
	39	95.1	17.31	113.7	21.60	131.7	26.28	141.0	28.95	150.6	31.77	168.6	37.05	187.2	40.59
	41	92.7	19.14	110.7	23.64	128.4	28.83	137.4	31.74	146.7	34.53	164.1	40.68	182.4	43.77
	43	90.3	20.85	108.0	25.77	125.1	31.44	134.1	34.62	143.1	37.71	160.2	44.46	177.9	47.34
46	84.6	23.16	101.4	28.98	117.3	35.43	125.7	38.58	134.1	42.51	150.0	50.13	166.8	52.74	
48	75.0	20.22	89.7	25.32	103.8	30.96	111.3	33.69	118.5	37.17	132.6	43.89	147.6	45.66	
60	10	81.3	8.76	97.2	10.26	113.1	11.94	120.9	12.81	129.0	13.62	144.6	15.45	160.5	17.28
	12	81.3	8.91	97.2	10.44	113.1	12.09	120.9	12.99	129.0	13.86	144.6	15.69	160.5	17.58
	14	81.3	9.00	97.2	10.59	113.1	12.33	120.9	13.20	129.0	14.10	144.6	15.99	160.5	17.91
	16	81.3	9.15	97.2	10.83	113.1	12.51	120.9	13.44	129.0	14.40	144.6	16.32	160.5	18.24
	18	81.3	9.30	97.2	10.98	113.1	12.75	120.9	13.68	129.0	14.64	144.6	16.56	160.5	18.63
	20	81.3	9.48	97.2	11.13	113.1	12.99	120.9	13.92	129.0	14.88	144.6	16.89	160.5	19.02
	21	81.3	9.54	97.2	11.22	113.1	13.14	120.9	14.10	129.0	15.03	144.6	17.10	160.5	19.17
	23	81.3	9.72	97.2	11.46	113.1	13.29	120.9	14.34	129.0	15.36	144.6	17.76	160.5	20.37
	25	81.3	9.87	97.2	11.70	113.1	13.86	120.9	15.03	129.0	16.32	144.6	18.96	160.5	21.81
	27	81.3	10.20	97.2	12.33	113.1	14.73	120.9	15.99	129.0	17.34	144.6	20.13	160.5	23.25
	29	81.3	10.83	97.2	13.14	113.1	15.69	120.9	17.04	129.0	18.48	144.6	21.48	160.5	24.84
	31	81.3	11.46	97.2	13.92	113.1	16.65	120.9	18.15	129.0	19.65	144.6	22.92	160.5	26.43
	33	81.3	12.09	97.2	14.73	113.1	17.67	120.9	19.26	129.0	20.94	144.6	24.36	160.5	28.17
	35	81.3	12.81	97.2	15.69	113.1	18.78	120.9	20.46	129.0	22.20	144.6	25.95	160.5	29.94
	37	81.3	13.53	97.2	16.56	113.1	19.89	120.9	21.72	129.0	23.55	144.6	27.54	160.5	31.83
	39	81.3	14.40	97.2	17.61	113.1	21.48	120.9	23.31	129.0	25.35	144.6	29.52	160.5	34.11
	41	79.2	15.60	94.8	19.29	110.1	23.34	117.9	25.47	125.7	27.51	141.0	32.40	156.6	37.08
	43	77.4	16.95	92.4	21.00	107.4	25.44	114.9	27.75	122.4	30.03	137.4	35.37	152.7	40.50
46	72.6	18.99	86.7	23.58	100.8	28.59	107.7	31.20	114.9	33.78	129.0	39.87	143.1	46.14	
48	64.2	16.56	76.5	20.58	89.1	24.99	95.4	27.24	101.4	29.52	114.0	34.86	126.6	40.38	
50	10	68.1	7.50	81.3	8.67	94.2	9.87	100.8	10.56	107.4	11.19	120.3	12.63	133.8	14.04
	12	68.1	7.56	81.3	8.76	94.2	10.02	100.8	10.74	107.4	11.43	120.3	12.87	133.8	14.28
	14	68.1	7.65	81.3	8.91	94.2	10.17	100.8	10.89	107.4	11.61	120.3	13.02	133.8	14.52
	16	68.1	7.80	81.3	9.06	94.2	10.32	100.8	11.13	107.4	11.76	120.3	13.26	133.8	14.76
	18	68.1	7.89	81.3	9.15	94.2	10.50	100.8	11.28	107.4	12.00	120.3	13.50	133.8	15.06
	20	68.1	7.98	81.3	9.30	94.2	10.74	100.8	11.43	107.4	12.24	120.3	13.74	133.8	15.39
	21	68.1	8.04	81.3	9.39	94.2	10.80	100.8	11.61	107.4	12.30	120.3	13.89	133.8	15.54
	23	68.1	8.19	81.3	9.54	94.2	10.98	100.8	11.76	107.4	12.54	120.3	14.13	133.8	15.87
	25	68.1	8.28	81.3	9.69	94.2	11.19	100.8	12.00	107.4	12.93	120.3	14.82	133.8	16.95
	27	68.1	8.43	81.3	10.02	94.2	11.82	100.8	12.78	107.4	13.74	120.3	15.87	133.8	18.06
	29	68.1	8.91	81.3	10.65	94.2	12.54	100.8	13.56	107.4	14.58	120.3	16.80	133.8	19.17
	31	68.1	9.39	81.3	11.28	94.2	13.32	100.8	14.37	107.4	15.54	120.3	17.91	133.8	20.43
	33	68.1	9.93	81.3	11.91	94.2	14.13	100.8	15.24	107.4	16.50	120.3	19.02	133.8	21.78
	35	68.1	10.50	81.3	12.63	94.2	14.91	100.8	16.17	107.4	17.43	120.3	20.13	133.8	23.10
	37	68.1	11.13	81.3	13.32	94.2	15.78	100.8	17.13	107.4	18.45	120.3	21.45	133.8	24.54
	39	68.1	11.85	81.3	14.28	94.2	16.89	100.8	18.42	107.4	19.80	120.3	22.86	133.8	26.49
	41	66.3	12.84	79.2	15.48	91.8	18.48	98.1	19.95	104.4	21.45	117.3	25.05	130.5	28.77
	43	64.8	13.95	77.4	16.83	89.7	20.10	95.7	21.72	102.0	23.37	114.3	27.33	127.2	31.38
46	60.6	15.63	72.6	18.87	84.0	22.56	89.7	24.39	95.4	26.22	107.1	30.75	119.4	35.34	
48	53.7	13.62	64.2	16.47	74.4	19.68	79.5	21.30	84.6	22.89	94.8	26.85	105.6	30.90	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## 7.1.4 4 Units Combination

### ◆ ARUN740BTE5

Cooling Capacity (74HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	189.3	22.19	225.7	27.10	241.7	31.44	248.8	32.10	255.7	32.34	268.0	32.61	275.0	32.73
	12	189.3	22.74	225.7	28.07	241.7	32.73	248.8	32.95	255.7	33.22	268.0	33.49	275.0	33.78
	14	189.3	23.49	225.7	29.09	241.7	33.97	248.8	34.21	255.7	34.49	268.0	34.78	275.0	35.08
	16	189.3	24.36	225.7	30.11	241.7	35.50	248.8	35.83	255.7	36.11	268.0	36.44	275.0	36.71
	18	189.3	25.38	225.7	31.85	241.7	37.13	248.8	37.92	255.7	38.22	268.0	38.61	275.0	38.88
	20	189.3	26.50	225.7	33.94	241.7	38.96	248.8	41.71	255.7	42.05	264.2	42.46	271.1	42.77
	21	189.3	27.20	225.7	35.11	241.7	39.78	248.8	44.14	255.7	44.51	262.7	44.94	269.5	45.26
	23	189.3	29.17	225.7	36.95	241.7	41.83	248.8	48.72	252.5	49.11	258.7	49.59	265.8	49.93
	25	189.3	31.16	225.7	39.08	241.7	44.72	245.8	54.03	248.8	54.45	255.7	54.99	262.7	55.38
	27	189.3	33.34	225.7	41.77	238.7	47.64	241.7	59.48	245.8	59.95	252.5	60.55	258.7	60.96
	29	189.3	35.53	225.7	44.66	234.9	51.25	238.3	65.38	241.7	65.77	248.8	66.34	255.7	66.61
	31	189.3	37.91	224.8	47.03	231.0	54.51	234.9	65.08	238.3	65.47	244.8	66.07	251.8	66.34
	33	189.3	40.39	221.0	49.84	227.9	58.48	231.6	64.50	234.9	64.89	241.7	65.47	247.9	65.71
	35	189.3	43.06	217.1	52.19	224.1	63.33	227.9	63.66	231.6	64.03	238.0	64.60	244.8	64.87
	37	189.3	45.92	214.0	54.77	221.0	62.49	224.1	62.82	227.9	63.19	234.1	63.75	241.1	63.99
	39	189.3	48.90	210.3	57.66	217.1	61.67	221.0	61.98	224.1	62.33	231.0	62.90	238.0	63.15
	41	184.6	51.88	201.6	60.53	208.4	60.83	211.5	61.14	215.6	61.49	222.0	62.04	228.2	62.31
	43	180.1	54.71	193.0	59.69	199.8	59.99	202.9	60.29	206.9	60.65	213.4	61.20	219.2	61.43
46	168.7	58.56	176.1	58.44	182.5	58.73	185.4	59.03	189.3	59.38	195.2	59.93	200.7	60.14	
48	149.2	56.92	152.9	57.10	158.7	57.21	161.2	57.37	164.7	57.88	170.0	58.24	174.8	58.46	
120	10	175.1	19.97	208.4	24.48	227.6	29.07	234.6	31.42	241.5	31.92	254.7	32.04	260.9	32.31
	12	175.1	20.50	208.4	25.30	227.6	30.24	234.6	32.08	241.5	33.10	254.7	33.51	260.9	33.76
	14	175.1	21.20	208.4	26.16	227.6	31.47	234.6	33.31	241.5	34.31	254.7	34.82	260.9	35.11
	16	175.1	21.96	208.4	27.22	227.6	32.67	234.6	34.54	241.5	35.90	254.7	36.34	260.9	36.62
	18	175.1	22.82	208.4	28.45	227.6	34.00	234.6	36.38	241.5	37.73	254.7	38.18	260.9	38.49
	20	175.1	23.70	208.4	30.17	227.6	35.81	234.6	38.28	241.5	39.75	254.7	40.27	260.9	40.59
	21	175.1	24.42	208.4	31.26	227.6	36.83	234.6	39.39	241.5	41.05	254.7	41.56	260.9	41.89
	23	175.1	26.10	208.4	33.43	227.6	39.45	234.6	41.86	241.5	43.76	254.7	44.20	260.9	44.57
	25	175.1	27.88	208.4	35.81	227.6	41.62	234.6	44.63	241.5	46.92	251.6	47.31	257.8	47.70
	27	175.1	29.76	208.4	38.30	227.6	44.29	234.6	47.67	241.5	50.43	247.7	50.78	254.0	51.19
	29	175.1	31.75	208.4	40.87	227.6	46.62	234.6	51.02	237.7	53.75	243.8	54.57	250.7	54.99
	31	175.1	33.84	208.4	43.67	227.6	49.02	231.5	54.66	234.6	57.66	240.8	58.69	246.9	59.15
	33	175.1	36.01	208.4	46.53	224.5	51.86	227.6	59.32	230.6	61.92	236.8	62.61	243.0	63.11
	35	175.1	38.30	208.4	49.61	220.8	54.87	223.8	65.38	227.6	65.69	233.7	65.89	239.9	66.41
	37	175.1	41.19	208.4	52.34	217.7	58.52	220.8	63.99	223.8	64.30	230.0	64.50	236.2	65.01
	39	175.1	44.35	207.6	55.32	213.7	62.06	216.8	62.67	219.9	63.00	226.9	63.17	233.1	63.63
	41	170.8	47.50	198.6	58.30	205.3	60.83	208.1	61.37	211.1	61.67	217.3	61.86	223.5	62.33
	43	166.5	50.71	190.2	57.48	196.7	59.48	199.6	60.05	202.6	60.35	208.5	60.53	214.6	61.01
46	156.0	54.51	173.3	56.10	179.7	57.60	182.3	58.07	185.0	58.36	190.8	58.54	196.4	58.99	
48	138.1	53.42	150.5	55.10	156.3	56.47	158.5	56.82	161.0	57.00	165.9	57.23	170.8	57.46	
110	10	160.3	17.95	191.2	21.89	213.4	25.99	219.5	28.13	233.5	30.27	238.9	31.11	255.1	31.62
	12	160.3	18.52	191.2	22.61	213.4	27.07	219.5	28.92	233.5	31.40	238.9	32.43	255.1	33.16
	14	160.3	19.09	191.2	23.64	213.4	28.28	219.5	30.36	233.5	33.00	238.9	33.94	255.1	34.64
	16	160.3	19.76	191.2	24.48	213.4	29.46	219.5	31.68	233.5	34.51	238.9	35.45	255.1	36.07
	18	160.3	20.50	191.2	25.51	213.4	31.16	219.5	33.37	233.5	36.40	238.9	37.13	255.1	37.83
	20	160.3	21.23	191.2	26.79	213.4	33.04	219.5	34.90	233.5	38.18	238.9	39.12	255.1	39.75
	21	160.3	21.71	191.2	27.59	213.4	33.88	219.5	35.83	233.5	39.24	238.9	40.23	255.1	40.86
	23	160.3	23.12	191.2	29.57	213.4	35.78	219.5	37.83	233.5	41.44	238.9	42.34	255.1	43.04
	25	160.3	24.70	191.2	31.56	213.4	37.79	219.5	39.99	233.5	43.79	238.9	44.42	252.0	45.33
	27	160.3	26.38	191.2	33.73	213.4	39.94	219.5	42.32	233.5	45.74	238.9	46.79	248.3	47.58
	29	160.3	28.18	191.2	36.01	213.4	42.22	219.5	44.82	233.5	48.34	238.9	49.18	245.1	49.90
	31	160.3	29.97	191.2	38.40	213.4	44.61	219.5	47.50	229.7	50.80	235.8	51.80	241.1	52.33
	33	160.3	31.95	191.2	40.87	213.4	47.13	219.5	50.32	226.6	53.63	231.9	54.53	238.0	54.83
	35	160.3	33.94	191.2	43.67	213.4	49.78	219.5	53.33	222.6	56.61	228.2	57.13	234.3	57.40
	37	160.3	35.96	191.2	46.34	213.4	52.54	216.5	56.49	218.9	59.69	225.1	59.90	230.4	60.08
	39	160.3	38.78	191.2	49.24	209.7	55.44	212.7	60.44	215.8	62.66	221.1	62.76	227.3	62.82
	41	156.3	41.58	186.2	52.13	200.7	58.46	203.8	65.38	206.4	65.38	212.5	65.89	217.7	66.41
	43	152.3	43.67	181.7	54.32	192.4	62.00	195.5	62.70	198.0	62.57	203.9	62.91	209.0	63.09
46	142.8	42.61	170.2	52.44	175.4	58.85	178.5	58.84	180.7	59.36	186.3	59.69	191.2	59.83	
48	126.4	41.38	148.0	50.53	152.3	55.98	155.2	56.35	157.2	56.64	162.2	56.80	166.3	57.01	

# 7. Capacity Tables

Cooling Capacity (74HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	140.0	16.16	166.5	19.64	193.9	23.31	207.2	25.18	220.5	27.06	244.5	30.11	249.8	30.36
	12	140.0	16.68	166.5	20.44	193.9	24.09	207.2	25.87	220.5	27.92	244.5	31.74	249.8	32.04
	14	140.0	17.20	166.5	21.26	193.9	25.11	207.2	26.98	220.5	29.12	244.5	33.51	249.8	33.82
	16	140.0	17.74	166.5	21.98	193.9	26.18	207.2	28.25	220.5	30.69	244.5	35.14	249.8	35.62
	18	140.0	18.25	166.5	22.79	193.9	27.20	207.2	29.64	220.5	32.55	244.5	37.13	249.8	37.42
	20	140.0	18.91	166.5	23.64	193.9	28.78	207.2	31.75	220.5	34.84	244.5	38.90	249.8	39.21
	21	140.0	19.30	166.5	24.21	193.9	29.76	207.2	32.85	220.5	36.11	244.5	39.78	249.8	40.11
	23	140.0	20.44	166.5	25.89	193.9	31.95	207.2	35.23	220.5	38.69	244.5	41.66	249.8	42.01
	25	140.0	21.74	166.5	27.59	193.9	34.12	207.2	37.71	220.5	41.38	244.5	43.43	247.9	43.79
	27	140.0	23.22	166.5	29.48	193.9	36.52	207.2	40.29	220.5	44.00	239.9	45.47	244.8	45.84
	29	140.0	24.70	166.5	31.44	193.9	39.00	207.2	43.06	220.5	46.56	235.3	47.31	241.1	47.70
	31	140.0	26.38	166.5	33.55	193.9	41.58	207.2	45.95	220.5	48.93	231.8	49.14	237.4	49.54
	33	140.0	27.98	166.5	35.72	193.9	44.36	207.2	49.02	220.5	50.77	228.1	50.98	233.7	51.38
	35	140.0	29.76	166.5	38.00	193.9	47.22	207.2	52.28	217.1	52.60	223.9	52.82	229.6	53.24
	37	140.0	31.89	166.5	40.77	193.9	50.02	207.2	54.78	213.6	55.05	219.8	55.26	225.1	55.78
	39	140.0	34.18	166.5	43.79	193.9	53.01	207.2	57.46	210.0	57.70	216.2	57.94	221.4	58.48
	41	137.5	36.48	163.8	46.80	190.8	56.00	198.8	60.14	203.1	60.38	207.8	60.59	214.6	61.16
	43	132.9	38.61	158.2	49.63	184.4	58.69	190.6	62.43	192.8	62.66	198.8	62.86	204.1	63.45
46	124.6	41.52	148.3	53.48	172.7	62.25	173.9	65.38	176.0	65.56	181.6	65.75	186.5	66.37	
48	110.1	35.86	131.1	46.29	149.0	53.21	151.3	55.47	152.9	55.65	157.9	55.77	162.2	56.22	
90	10	125.8	13.93	150.2	16.76	174.5	19.76	186.5	21.29	198.3	22.92	222.6	25.65	247.3	28.53
	12	125.8	14.11	150.2	17.01	174.5	20.09	186.5	21.72	198.3	23.43	222.6	26.16	247.3	29.02
	14	125.8	14.37	150.2	17.36	174.5	20.53	186.5	22.15	198.3	23.86	222.6	26.66	247.3	29.62
	16	125.8	14.62	150.2	17.70	174.5	20.95	186.5	22.57	198.3	24.29	222.6	27.17	247.3	30.12
	18	125.8	14.88	150.2	18.05	174.5	21.29	186.5	23.10	198.3	24.80	222.6	27.77	247.3	31.65
	20	125.8	15.13	150.2	18.38	174.5	21.72	186.5	23.52	198.3	25.74	222.6	29.71	247.3	33.15
	21	125.8	15.30	150.2	18.56	174.5	22.15	186.5	24.29	198.3	26.69	222.6	30.19	247.3	33.92
	23	125.8	15.66	150.2	19.33	174.5	23.70	186.5	26.09	198.3	28.57	222.6	32.04	243.8	35.51
	25	125.8	16.41	150.2	20.62	174.5	25.31	186.5	27.88	198.3	30.52	222.6	34.24	240.3	37.03
	27	125.8	17.54	150.2	21.97	174.5	27.02	186.5	29.77	198.3	32.67	222.6	36.40	236.8	38.77
	29	125.8	18.56	150.2	23.43	174.5	28.90	186.5	31.81	198.3	34.89	222.6	38.56	233.1	40.32
	31	125.8	19.76	150.2	24.98	174.5	30.79	186.5	33.87	198.3	37.20	222.6	40.50	229.7	41.90
	33	125.8	21.04	150.2	26.60	174.5	32.85	186.5	36.08	198.3	39.46	222.6	42.44	226.1	43.46
	35	125.8	22.33	150.2	28.22	174.5	34.89	186.5	38.49	198.3	41.84	218.9	44.89	222.6	45.91
	37	125.8	23.70	150.2	30.01	174.5	37.21	186.5	40.89	198.3	44.17	215.4	46.92	219.2	47.97
	39	125.8	25.08	150.2	31.92	174.5	39.36	186.5	43.51	198.3	46.44	211.9	49.47	215.6	50.06
	41	122.7	28.06	146.4	35.39	170.2	43.22	181.7	47.58	193.3	50.15	202.9	52.13	206.6	53.32
	43	119.6	30.30	142.7	38.26	165.9	47.21	177.2	51.23	188.5	53.76	194.6	55.83	198.2	56.49
46	112.0	34.10	133.8	43.55	155.4	53.80	166.1	58.10	171.2	59.74	177.6	61.28	181.0	61.36	
48	99.1	29.80	118.4	38.11	137.5	47.07	146.8	50.68	148.6	51.47	154.4	52.75	157.3	52.82	
80	10	111.6	11.70	133.2	14.05	154.8	16.49	165.9	17.81	177.0	19.11	198.3	21.79	219.8	23.66
	12	111.6	11.94	133.2	14.23	154.8	16.82	165.9	18.12	177.0	19.44	198.3	22.18	219.8	24.13
	14	111.6	12.10	133.2	14.56	154.8	17.06	165.9	18.44	177.0	19.74	198.3	22.60	219.8	24.59
	16	111.6	12.27	133.2	14.80	154.8	17.39	165.9	18.78	177.0	20.16	198.3	23.08	219.8	25.06
	18	111.6	12.51	133.2	15.05	154.8	17.73	165.9	19.11	177.0	20.55	198.3	23.50	219.8	25.61
	20	111.6	12.76	133.2	15.37	154.8	18.12	165.9	19.50	177.0	20.98	198.3	24.37	219.8	27.11
	21	111.6	12.85	133.2	15.52	154.8	18.30	165.9	19.74	177.0	21.45	198.3	25.16	219.8	27.84
	23	111.6	13.08	133.2	15.76	154.8	19.11	165.9	20.98	177.0	22.93	198.3	26.57	219.8	29.22
	25	111.6	13.57	133.2	16.82	154.8	20.49	165.9	22.44	177.0	24.55	198.3	28.43	219.8	31.24
	27	111.6	14.38	133.2	17.87	154.8	21.87	165.9	23.98	177.0	26.18	198.3	30.20	219.8	32.88
	29	111.6	15.29	133.2	19.11	154.8	23.26	165.9	25.52	177.0	27.96	198.3	32.35	219.8	35.18
	31	111.6	16.25	133.2	20.25	154.8	24.80	165.9	27.23	177.0	29.75	198.3	34.34	219.8	36.95
	33	111.6	17.24	133.2	21.63	154.8	26.42	165.9	29.01	177.0	31.69	198.3	36.17	219.8	38.73
	35	111.6	18.30	133.2	22.93	154.8	28.13	165.9	30.87	177.0	33.82	198.3	38.36	217.4	40.14
	37	111.6	19.35	133.2	24.37	154.8	29.82	165.9	32.84	177.0	35.93	198.3	40.50	214.0	41.98
	39	111.6	20.43	133.2	25.76	154.8	31.90	165.9	35.30	177.0	38.61	198.3	42.79	210.3	44.27
	41	108.9	22.62	129.8	28.55	150.7	35.03	161.6	38.69	172.3	42.43	193.3	47.61	201.6	49.07
	43	106.1	24.89	126.6	31.15	147.0	38.22	157.5	42.18	168.1	46.37	188.5	50.94	193.3	52.54
46	99.5	27.71	118.6	35.09	137.8	43.06	147.6	46.94	157.5	52.32	172.3	55.61	176.4	56.48	
48	88.2	24.19	104.9	30.69	121.9	37.67	130.7	41.01	139.4	45.80	149.6	48.12	153.3	48.63	

# 7. Capacity Tables

Cooling Capacity (74HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	97.7	10.30	116.9	12.24	135.4	14.20	144.9	15.33	154.8	16.39	173.3	18.67	192.4	20.87
	12	97.7	10.46	116.9	12.42	135.4	14.52	144.9	15.57	154.8	16.72	173.3	18.97	192.4	21.26
	14	97.7	10.64	116.9	12.58	135.4	14.76	144.9	15.82	154.8	16.97	173.3	19.39	192.4	21.66
	16	97.7	10.78	116.9	12.82	135.4	15.00	144.9	16.14	154.8	17.27	173.3	19.72	192.4	22.12
	18	97.7	10.94	116.9	13.06	135.4	15.33	144.9	16.46	154.8	17.60	173.3	20.03	192.4	22.51
	20	97.7	11.12	116.9	13.31	135.4	15.57	144.9	16.79	154.8	18.00	173.3	20.51	192.4	23.36
	21	97.7	11.27	116.9	13.39	135.4	15.73	144.9	16.97	154.8	18.18	173.3	20.85	192.4	23.85
	23	97.7	11.45	116.9	13.70	135.4	16.06	144.9	17.52	154.8	19.06	173.3	22.31	192.4	25.18
	25	97.7	11.61	116.9	14.20	135.4	17.11	144.9	18.73	154.8	20.36	173.3	23.85	192.4	26.42
	27	97.7	12.24	116.9	15.17	135.4	18.24	144.9	19.88	154.8	21.75	173.3	25.48	192.4	28.06
	29	97.7	13.06	116.9	16.06	135.4	19.39	144.9	21.18	154.8	23.12	173.3	27.18	192.4	30.06
	31	97.7	13.87	116.9	17.11	135.4	20.69	144.9	22.63	154.8	24.66	173.3	28.96	192.4	31.91
	33	97.7	14.69	116.9	18.09	135.4	21.99	144.9	24.00	154.8	26.21	173.3	30.82	192.4	33.96
	35	97.7	15.49	116.9	19.30	135.4	23.36	144.9	25.55	154.8	27.91	173.3	32.85	192.4	36.02
	37	97.7	16.46	116.9	20.45	135.4	24.82	144.9	27.18	154.8	29.69	173.3	34.97	192.4	38.02
	39	97.7	17.48	116.9	21.81	135.4	26.54	144.9	29.24	154.8	32.08	173.3	37.42	192.4	40.99
	41	95.2	19.33	113.9	23.88	132.0	29.12	141.2	32.06	150.7	34.87	168.7	41.08	187.5	44.21
	43	92.9	21.05	111.0	26.03	128.6	31.76	137.9	34.97	147.0	38.08	164.6	44.90	182.8	47.81
46	87.0	23.39	104.2	29.27	120.6	35.78	129.1	38.96	137.8	42.92	154.2	50.63	171.4	53.27	
48	77.1	20.41	92.1	25.57	106.7	31.27	114.3	34.03	121.9	37.54	136.3	44.32	151.7	46.11	
60	10	83.6	8.91	99.9	10.44	116.2	12.14	124.3	13.03	132.6	13.85	148.6	15.71	165.0	17.57
	12	83.6	9.06	99.9	10.61	116.2	12.30	124.3	13.21	132.6	14.10	148.6	15.95	165.0	17.89
	14	83.6	9.15	99.9	10.77	116.2	12.55	124.3	13.43	132.6	14.34	148.6	16.26	165.0	18.21
	16	83.6	9.31	99.9	11.02	116.2	12.71	124.3	13.68	132.6	14.65	148.6	16.60	165.0	18.55
	18	83.6	9.47	99.9	11.16	116.2	12.96	124.3	13.92	132.6	14.89	148.6	16.84	165.0	18.95
	20	83.6	9.64	99.9	11.32	116.2	13.21	124.3	14.16	132.6	15.13	148.6	17.18	165.0	19.34
	21	83.6	9.71	99.9	11.42	116.2	13.36	124.3	14.34	132.6	15.29	148.6	17.40	165.0	19.50
	23	83.6	9.89	99.9	11.66	116.2	13.52	124.3	14.58	132.6	15.63	148.6	18.06	165.0	20.72
	25	83.6	10.03	99.9	11.90	116.2	14.10	124.3	15.29	132.6	16.60	148.6	19.28	165.0	22.18
	27	83.6	10.37	99.9	12.55	116.2	14.98	124.3	16.26	132.6	17.64	148.6	20.47	165.0	23.65
	29	83.6	11.02	99.9	13.36	116.2	15.95	124.3	17.33	132.6	18.79	148.6	21.85	165.0	25.26
	31	83.6	11.66	99.9	14.16	116.2	16.92	124.3	18.45	132.6	19.99	148.6	23.31	165.0	26.87
	33	83.6	12.30	99.9	14.98	116.2	17.97	124.3	19.58	132.6	21.29	148.6	24.77	165.0	28.65
	35	83.6	13.03	99.9	15.95	116.2	19.10	124.3	20.81	132.6	22.58	148.6	26.39	165.0	30.44
	37	83.6	13.76	99.9	16.84	116.2	20.23	124.3	22.10	132.6	23.95	148.6	28.00	165.0	32.37
	39	83.6	14.64	99.9	17.91	116.2	21.84	124.3	23.71	132.6	25.78	148.6	30.03	165.0	34.69
	41	81.4	15.87	97.4	19.62	113.2	23.73	121.1	25.90	129.1	27.98	144.9	32.95	160.9	37.71
	43	79.5	17.24	95.0	21.35	110.4	25.87	118.2	28.22	125.8	30.54	141.2	35.97	156.9	41.19
46	74.6	19.32	89.0	23.97	103.6	29.08	110.7	31.73	118.0	34.35	132.6	40.55	147.0	46.93	
48	66.0	16.84	78.7	20.93	91.5	25.42	98.0	27.70	104.2	30.02	117.2	35.45	130.1	41.07	
50	10	69.9	7.68	83.6	8.88	96.8	10.11	103.6	10.82	110.4	11.46	123.6	12.94	137.5	14.38
	12	69.9	7.75	83.6	8.97	96.8	10.27	103.6	10.99	110.4	11.71	123.6	13.18	137.5	14.62
	14	69.9	7.84	83.6	9.13	96.8	10.41	103.6	11.15	110.4	11.88	123.6	13.34	137.5	14.87
	16	69.9	7.99	83.6	9.29	96.8	10.57	103.6	11.40	110.4	12.04	123.6	13.58	137.5	15.11
	18	69.9	8.08	83.6	9.37	96.8	10.75	103.6	11.55	110.4	12.28	123.6	13.82	137.5	15.43
	20	69.9	8.17	83.6	9.53	96.8	10.99	103.6	11.71	110.4	12.53	123.6	14.06	137.5	15.76
	21	69.9	8.24	83.6	9.61	96.8	11.07	103.6	11.88	110.4	12.60	123.6	14.22	137.5	15.91
	23	69.9	8.39	83.6	9.77	96.8	11.24	103.6	12.04	110.4	12.84	123.6	14.47	137.5	16.25
	25	69.9	8.48	83.6	9.93	96.8	11.46	103.6	12.28	110.4	13.24	123.6	15.18	137.5	17.37
	27	69.9	8.64	83.6	10.27	96.8	12.11	103.6	13.08	110.4	14.06	123.6	16.25	137.5	18.50
	29	69.9	9.13	83.6	10.91	96.8	12.84	103.6	13.89	110.4	14.94	123.6	17.21	137.5	19.64
	31	69.9	9.61	83.6	11.55	96.8	13.64	103.6	14.71	110.4	15.91	123.6	18.34	137.5	20.92
	33	69.9	10.17	83.6	12.20	96.8	14.47	103.6	15.60	110.4	16.89	123.6	19.48	137.5	22.31
	35	69.9	10.75	83.6	12.94	96.8	15.27	103.6	16.57	110.4	17.85	123.6	20.61	137.5	23.67
	37	69.9	11.40	83.6	13.64	96.8	16.16	103.6	17.54	110.4	18.90	123.6	21.97	137.5	25.13
	39	69.9	12.14	83.6	14.63	96.8	17.31	103.6	18.87	110.4	20.28	123.6	23.41	137.5	27.14
	41	68.1	13.14	81.4	15.85	94.4	18.93	100.9	20.44	107.3	21.97	120.5	25.66	134.1	29.47
	43	66.6	14.28	79.5	17.23	92.1	20.59	98.4	22.25	104.8	23.93	117.4	27.99	130.7	32.14
46	62.3	16.01	74.6	19.32	86.3	23.11	92.3	24.98	98.1	26.86	110.0	31.49	122.7	36.19	
48	55.1	13.94	66.0	16.87	76.4	20.16	81.6	21.81	86.9	23.45	97.4	27.50	108.5	31.64	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

◆ ARUN760BTE5

Cooling Capacity (76HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	194.5	22.93	231.8	28.01	248.3	32.49	255.5	33.17	262.6	33.42	275.2	33.70	282.4	33.83
	12	194.5	23.49	231.8	29.00	248.3	33.83	255.5	34.05	262.6	34.33	275.2	34.61	282.4	34.91
	14	194.5	24.28	231.8	30.06	248.3	35.10	255.5	35.35	262.6	35.64	275.2	35.94	282.4	36.26
	16	194.5	25.17	231.8	31.12	248.3	36.68	255.5	37.03	262.6	37.32	275.2	37.65	282.4	37.94
	18	194.5	26.23	231.8	32.92	248.3	38.37	255.5	39.18	262.6	39.50	275.2	39.90	282.4	40.17
	20	194.5	27.39	231.8	35.07	248.3	40.26	255.5	43.10	262.6	43.45	271.3	43.88	278.4	44.19
	21	194.5	28.10	231.8	36.29	248.3	41.11	255.5	45.62	262.6	45.99	269.8	46.44	276.8	46.77
	23	194.5	30.15	231.8	38.19	248.3	43.23	255.5	50.35	259.3	50.76	265.7	51.25	272.9	51.60
	25	194.5	32.20	231.8	40.39	248.3	46.21	252.4	55.83	255.5	56.27	262.6	56.83	269.8	57.23
	27	194.5	34.46	231.8	43.16	245.1	49.23	248.3	61.47	252.4	61.96	259.3	62.57	265.7	62.99
	29	194.5	36.72	231.8	46.15	241.3	52.96	244.7	67.56	248.3	67.96	255.5	68.56	262.6	68.84
	31	194.5	39.18	230.9	48.61	237.2	56.33	241.3	72.25	244.7	72.66	251.4	73.25	258.6	74.19
	33	194.5	41.74	227.0	51.50	234.1	60.43	237.9	76.66	241.3	77.06	248.3	77.65	254.6	77.91
	35	194.5	44.50	222.9	53.93	230.1	65.45	234.1	80.79	237.9	81.17	244.4	81.76	251.4	82.03
	37	194.5	47.46	219.8	56.60	227.0	70.48	230.1	84.92	234.1	85.30	240.4	85.88	247.6	86.13
	39	194.5	50.53	216.0	59.59	222.9	75.73	227.0	89.25	230.1	89.57	237.2	90.04	244.4	87.26
	41	189.6	53.62	207.1	62.55	214.0	80.26	217.2	93.78	221.4	94.06	233.5	94.54	241.1	88.49
	43	184.9	56.54	198.3	65.68	205.2	85.00	208.4	98.30	212.5	98.58	229.7	99.06	237.8	89.81
46	173.3	60.52	180.9	70.39	187.5	91.69	190.4	104.00	194.4	104.37	225.5	104.84	233.8	91.13	
48	153.3	58.82	157.1	59.01	163.0	59.12	165.6	59.29	169.1	59.81	174.5	60.18	179.5	60.41	
120	10	179.9	20.63	214.0	25.30	233.7	30.04	240.9	32.47	248.0	32.98	261.6	33.11	267.9	33.38
	12	179.9	21.19	214.0	26.14	233.7	31.25	240.9	33.15	248.0	33.42	261.6	33.63	267.9	34.89
	14	179.9	21.91	214.0	27.03	233.7	32.52	240.9	34.42	248.0	35.45	261.6	35.98	267.9	36.28
	16	179.9	22.69	214.0	28.13	233.7	33.77	240.9	35.69	248.0	37.10	261.6	37.56	267.9	37.85
	18	179.9	23.58	214.0	29.40	233.7	35.13	240.9	37.59	248.0	38.99	261.6	39.46	267.9	39.77
	20	179.9	24.49	214.0	31.18	233.7	37.00	240.9	39.56	248.0	41.08	261.6	41.61	267.9	41.95
	21	179.9	25.23	214.0	32.30	233.7	38.06	240.9	40.71	248.0	42.42	261.6	42.95	267.9	43.29
	23	179.9	26.97	214.0	34.55	233.7	40.77	240.9	43.26	248.0	45.22	261.6	45.68	267.9	46.06
	25	179.9	28.81	214.0	37.00	233.7	43.01	240.9	46.12	248.0	48.49	258.4	48.90	264.7	49.30
	27	179.9	30.75	214.0	39.58	233.7	45.77	240.9	49.26	248.0	52.12	254.4	52.47	260.9	52.90
	29	179.9	32.81	214.0	42.23	233.7	48.17	240.9	52.72	244.1	55.55	250.4	56.39	257.5	56.83
	31	179.9	34.97	214.0	45.12	233.7	50.66	237.8	56.49	240.9	59.59	247.3	60.65	253.6	61.13
	33	179.9	37.22	214.0	48.09	230.6	53.59	233.7	61.31	236.9	63.98	243.2	64.70	249.6	65.22
	35	179.9	39.58	214.0	51.26	226.7	56.71	229.9	67.56	233.7	67.88	240.1	68.09	246.4	68.62
	37	179.9	42.57	214.0	54.09	223.5	60.47	226.7	72.66	229.9	72.66	236.2	72.66	242.6	67.19
	39	179.9	45.83	213.2	57.17	219.5	64.14	222.7	77.77	225.8	77.77	233.1	77.77	239.4	65.81
	41	175.4	49.08	203.9	60.25	210.9	68.86	213.7	83.42	216.9	83.73	223.2	83.92	229.5	64.42
	43	171.0	52.41	195.3	63.40	202.0	73.46	205.0	89.00	208.1	89.00	214.1	89.00	220.4	63.05
46	160.2	56.33	178.0	67.98	184.6	79.53	187.2	95.00	190.0	95.00	201.9	95.00	201.7	60.96	
48	141.8	55.20	154.6	56.94	160.5	58.36	162.8	58.72	165.3	58.91	170.4	59.14	175.5	59.38	
110	10	164.7	18.55	196.3	22.62	219.2	26.86	225.5	29.07	239.8	31.28	245.4	32.15	261.9	32.68
	12	164.7	19.14	196.3	23.37	219.2	27.98	225.5	29.88	239.8	32.45	245.4	33.51	261.9	34.27
	14	164.7	19.73	196.3	24.43	219.2	29.23	225.5	31.37	239.8	34.10	245.4	35.07	261.9	35.79
	16	164.7	20.42	196.3	25.30	219.2	30.44	225.5	32.74	239.8	35.67	245.4	36.64	261.9	37.28
	18	164.7	21.19	196.3	26.36	219.2	32.20	225.5	34.48	239.8	37.62	245.4	38.37	261.9	39.09
	20	164.7	21.93	196.3	27.69	219.2	34.14	225.5	36.07	239.8	39.46	245.4	40.43	261.9	41.08
	21	164.7	22.43	196.3	28.51	219.2	35.01	225.5	37.03	239.8	40.55	245.4	41.57	261.9	42.23
	23	164.7	23.90	196.3	30.56	219.2	36.98	225.5	39.09	239.8	42.82	245.4	43.75	261.9	44.47
	25	164.7	25.53	196.3	32.61	219.2	39.06	225.5	41.32	239.8	45.25	245.4	45.91	258.8	46.84
	27	164.7	27.27	196.3	34.86	219.2	41.27	225.5	43.73	239.8	47.27	245.4	48.35	255.0	49.17
	29	164.7	29.13	196.3	37.22	219.2	43.63	225.5	46.31	239.8	49.95	245.4	50.82	251.7	51.57
	31	164.7	30.97	196.3	39.68	219.2	46.10	225.5	49.08	235.9	52.49	242.2	53.53	247.7	54.08
	33	164.7	33.02	196.3	42.23	219.2	48.70	225.5	52.01	232.7	55.42	238.2	56.35	244.5	56.66
	35	164.7	35.07	196.3	45.12	219.2	51.44	225.5	55.12	228.7	58.50	234.3	59.04	240.7	59.32
	37	164.7	37.16	196.3	47.89	219.2	54.30	222.3	58.38	224.8	61.68	231.2	61.90	236.6	62.08
	39	164.7	40.07	196.3	50.88	215.3	57.30	218.5	62.46	221.7	64.75	227.1	64.86	233.5	64.92
	41	160.5	42.97	191.3	53.87	206.1	60.41	209.3	67.56	211.9	67.56	218.2	68.09	223.6	68.62
	43	156.4	45.13	186.6	56.14	197.6	64.07	200.8	72.49	203.3	72.49	209.4	72.49	214.7	65.20
46	146.7	44.03	174.8	54.19	180.1	60.81	183.3	60.81	185.6	61.34	191.3	61.68	196.3	61.83	
48	129.8	42.76	152.0	52.22	156.4	57.85	159.3	58.23	161.5	58.53	166.5	58.69	170.8	58.91	

# 7. Capacity Tables

Cooling Capacity (76HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	143.7	16.70	171.0	20.30	199.1	24.09	212.8	26.02	226.5	27.97	251.1	31.12	256.5	31.37
	12	143.7	17.24	171.0	21.13	199.1	24.89	212.8	26.73	226.5	28.85	251.1	32.80	256.5	33.11
	14	143.7	17.78	171.0	21.97	199.1	25.95	212.8	27.88	226.5	30.10	251.1	34.63	256.5	34.95
	16	143.7	18.33	171.0	22.71	199.1	27.05	212.8	29.19	226.5	31.71	251.1	36.32	256.5	36.81
	18	143.7	18.86	171.0	23.56	199.1	28.11	212.8	30.63	226.5	33.64	251.1	38.37	256.5	38.67
	20	143.7	19.54	171.0	24.43	199.1	29.74	212.8	32.81	226.5	36.00	251.1	40.20	256.5	40.52
	21	143.7	19.94	171.0	25.02	199.1	30.75	212.8	33.95	226.5	37.32	251.1	41.11	256.5	41.45
	23	143.7	21.13	171.0	26.76	199.1	33.02	212.8	36.41	226.5	39.99	251.1	43.05	256.5	43.41
	25	143.7	22.46	171.0	28.51	199.1	35.26	212.8	38.97	226.5	42.76	251.1	44.88	254.6	45.25
	27	143.7	24.00	171.0	30.46	199.1	37.74	212.8	41.64	226.5	45.47	246.3	46.99	251.4	47.37
	29	143.7	25.53	171.0	32.49	199.1	40.30	212.8	44.50	226.5	48.11	241.7	48.89	247.6	49.29
	31	143.7	27.27	171.0	34.67	199.1	42.97	212.8	47.48	226.5	50.57	238.1	50.78	243.8	51.20
	33	143.7	28.91	171.0	36.91	199.1	45.84	212.8	50.66	226.5	52.47	234.3	52.68	240.0	53.09
	35	143.7	30.75	171.0	39.27	199.1	48.80	212.8	54.02	223.0	54.36	229.9	54.58	235.8	55.01
	37	143.7	32.95	171.0	42.13	199.1	51.69	212.8	56.60	219.4	56.89	225.7	57.11	231.1	57.64
	39	143.7	35.32	171.0	45.25	199.1	54.78	212.8	59.38	215.7	59.63	222.0	59.88	227.3	60.43
	41	141.3	37.69	168.2	48.37	196.0	57.88	204.2	62.15	208.6	62.40	213.5	62.61	220.4	63.20
	43	136.5	39.90	162.5	51.29	189.3	60.65	195.7	64.52	198.0	64.75	204.2	64.96	209.6	65.57
46	127.9	42.91	152.3	55.27	177.3	64.32	178.6	67.56	180.7	67.75	186.5	67.94	191.5	68.58	
48	113.1	37.06	134.7	47.83	153.0	54.99	155.4	57.32	157.0	57.51	162.1	57.63	166.6	58.10	
90	10	129.2	14.38	154.3	17.30	179.3	20.39	191.5	21.97	203.7	23.66	228.7	26.47	253.9	29.45
	12	129.2	14.56	154.3	17.55	179.3	20.73	191.5	22.42	203.7	24.18	228.7	27.00	253.9	29.95
	14	129.2	14.84	154.3	17.92	179.3	21.19	191.5	22.86	203.7	24.62	228.7	27.51	253.9	30.57
	16	129.2	15.09	154.3	18.27	179.3	21.62	191.5	23.30	203.7	25.07	228.7	28.04	253.9	31.09
	18	129.2	15.36	154.3	18.63	179.3	21.97	191.5	23.84	203.7	25.60	228.7	28.66	253.9	32.66
	20	129.2	15.61	154.3	18.97	179.3	22.42	191.5	24.27	203.7	26.56	228.7	30.66	253.9	34.22
	21	129.2	15.79	154.3	19.15	179.3	22.86	191.5	25.07	203.7	27.55	228.7	31.15	253.9	35.00
	23	129.2	16.16	154.3	19.95	179.3	24.46	191.5	26.92	203.7	29.49	228.7	33.06	250.4	36.65
	25	129.2	16.94	154.3	21.28	179.3	26.12	191.5	28.77	203.7	31.50	228.7	35.34	246.7	38.22
	27	129.2	18.10	154.3	22.67	179.3	27.89	191.5	30.72	203.7	33.72	228.7	37.57	243.2	40.01
	29	129.2	19.15	154.3	24.18	179.3	29.83	191.5	32.83	203.7	36.01	228.7	39.80	239.4	41.61
	31	129.2	20.39	154.3	25.78	179.3	31.78	191.5	34.95	203.7	38.39	228.7	41.80	235.9	43.25
	33	129.2	21.72	154.3	27.45	179.3	33.90	191.5	37.23	203.7	40.72	228.7	43.80	232.2	44.85
	35	129.2	23.04	154.3	29.12	179.3	36.01	191.5	39.72	203.7	43.19	224.8	46.33	228.6	47.38
	37	129.2	24.46	154.3	30.98	179.3	38.41	191.5	42.20	203.7	45.59	221.3	48.43	225.1	49.51
	39	129.2	25.88	154.3	32.94	179.3	40.63	191.5	44.91	203.7	47.93	217.6	51.06	221.4	51.67
	41	126.0	28.96	150.3	36.52	174.8	44.60	186.6	49.10	198.5	51.75	208.4	53.80	212.2	55.03
	43	122.8	31.27	146.6	39.48	170.4	48.73	182.0	52.87	193.5	55.48	199.9	57.62	203.6	58.30
46	115.0	35.19	137.4	44.95	159.6	55.52	170.6	59.96	175.8	61.65	182.4	63.24	185.9	63.33	
48	101.7	30.75	121.6	39.33	141.2	48.58	150.8	52.31	152.7	53.12	158.6	54.45	161.5	54.51	
80	10	114.7	12.08	136.8	14.51	158.9	17.02	170.3	18.38	181.7	19.72	203.7	22.49	225.7	24.42
	12	114.7	12.33	136.8	14.69	158.9	17.36	170.3	18.70	181.7	20.06	203.7	22.89	225.7	24.90
	14	114.7	12.49	136.8	15.03	158.9	17.61	170.3	19.04	181.7	20.38	203.7	23.33	225.7	25.38
	16	114.7	12.67	136.8	15.28	158.9	17.95	170.3	19.38	181.7	20.81	203.7	23.82	225.7	25.87
	18	114.7	12.92	136.8	15.53	158.9	18.30	170.3	19.72	181.7	21.22	203.7	24.25	225.7	26.43
	20	114.7	13.17	136.8	15.87	158.9	18.70	170.3	20.13	181.7	21.65	203.7	25.16	225.7	27.99
	21	114.7	13.26	136.8	16.02	158.9	18.88	170.3	20.38	181.7	22.14	203.7	25.97	225.7	28.74
	23	114.7	13.50	136.8	16.27	158.9	19.72	170.3	21.65	181.7	23.66	203.7	27.42	225.7	30.16
	25	114.7	14.01	136.8	17.36	158.9	21.15	170.3	23.16	181.7	25.34	203.7	29.35	225.7	32.24
	27	114.7	14.84	136.8	18.45	158.9	22.58	170.3	24.75	181.7	27.02	203.7	31.17	225.7	33.94
	29	114.7	15.78	136.8	19.72	158.9	24.00	170.3	26.34	181.7	28.86	203.7	33.39	225.7	36.31
	31	114.7	16.77	136.8	20.90	158.9	25.59	170.3	28.11	181.7	30.71	203.7	35.44	225.7	38.13
	33	114.7	17.79	136.8	22.32	158.9	27.27	170.3	29.94	181.7	32.71	203.7	37.33	225.7	39.97
	35	114.7	18.88	136.8	23.66	158.9	29.03	170.3	31.87	181.7	34.90	203.7	39.60	223.3	41.43
	37	114.7	19.97	136.8	25.15	158.9	30.78	170.3	33.89	181.7	37.08	203.7	41.80	219.8	43.33
	39	114.7	21.09	136.8	26.58	158.9	32.93	170.3	36.43	181.7	39.85	203.7	44.16	216.0	45.69
	41	111.8	23.35	133.3	29.47	154.8	36.15	165.9	39.94	177.0	43.79	198.5	49.13	207.1	50.65
	43	109.0	25.69	130.1	32.15	151.0	39.45	161.8	43.54	172.6	47.86	193.5	52.57	198.5	54.23
46	102.2	28.60	121.8	36.22	141.5	44.44	151.6	48.45	161.8	54.00	177.0	57.39	181.1	58.30	
48	90.5	24.97	107.7	31.67	125.1	38.88	134.2	42.32	143.1	47.27	153.7	49.66	157.4	50.19	



# 7. Capacity Tables

Cooling Capacity (76HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	100.3	10.63	120.1	12.63	139.1	14.66	148.9	15.82	158.9	16.91	177.9	19.27	197.6	21.55
	12	100.3	10.79	120.1	12.82	139.1	14.99	148.9	16.08	158.9	17.26	177.9	19.58	197.6	21.95
	14	100.3	10.98	120.1	12.98	139.1	15.24	148.9	16.33	158.9	17.51	177.9	20.02	197.6	22.36
	16	100.3	11.13	120.1	13.23	139.1	15.49	148.9	16.66	158.9	17.83	177.9	20.35	197.6	22.83
	18	100.3	11.29	120.1	13.48	139.1	15.82	148.9	16.99	158.9	18.17	177.9	20.67	197.6	23.24
	20	100.3	11.48	120.1	13.73	139.1	16.08	148.9	17.33	158.9	18.58	177.9	21.17	197.6	24.11
	21	100.3	11.63	120.1	13.82	139.1	16.24	148.9	17.51	158.9	18.76	177.9	21.52	197.6	24.62
	23	100.3	11.82	120.1	14.14	139.1	16.58	148.9	18.08	158.9	19.67	177.9	23.02	197.6	25.99
	25	100.3	11.98	120.1	14.66	139.1	17.67	148.9	19.33	158.9	21.02	177.9	24.61	197.6	27.27
	27	100.3	12.63	120.1	15.66	139.1	18.83	148.9	20.52	158.9	22.45	177.9	26.30	197.6	28.96
	29	100.3	13.48	120.1	16.58	139.1	20.02	148.9	21.86	158.9	23.86	177.9	28.05	197.6	31.03
	31	100.3	14.32	120.1	17.67	139.1	21.36	148.9	23.36	158.9	25.45	177.9	29.90	197.6	32.94
	33	100.3	15.16	120.1	18.67	139.1	22.70	148.9	24.78	158.9	27.05	177.9	31.81	197.6	35.06
	35	100.3	15.99	120.1	19.92	139.1	24.11	148.9	26.37	158.9	28.81	177.9	33.90	197.6	37.18
	37	100.3	16.99	120.1	21.11	139.1	25.62	148.9	28.05	158.9	30.65	177.9	36.09	197.6	39.25
	39	100.3	18.04	120.1	22.51	139.1	27.39	148.9	30.18	158.9	33.11	177.9	38.62	197.6	42.31
	41	97.8	19.96	116.9	24.65	135.5	30.06	145.1	33.09	154.8	35.99	173.3	42.41	192.5	45.63
	43	95.4	21.73	114.0	26.87	132.1	32.78	141.6	36.09	151.0	39.31	169.1	46.35	187.7	49.35
46	89.3	24.14	107.0	30.21	123.9	36.93	132.6	40.21	141.5	44.31	158.3	52.26	176.0	54.99	
48	79.1	21.07	94.6	26.39	109.6	32.28	117.4	35.12	125.1	38.75	140.0	45.74	155.8	47.60	
60	10	85.9	9.19	102.6	10.77	119.3	12.54	127.7	13.45	136.1	14.30	152.7	16.22	169.5	18.13
	12	85.9	9.36	102.6	10.96	119.3	12.70	127.7	13.64	136.1	14.55	152.7	16.47	169.5	18.46
	14	85.9	9.44	102.6	11.12	119.3	12.95	127.7	13.87	136.1	14.80	152.7	16.79	169.5	18.80
	16	85.9	9.61	102.6	11.37	119.3	13.12	127.7	14.12	136.1	15.12	152.7	17.13	169.5	19.15
	18	85.9	9.77	102.6	11.52	119.3	13.37	127.7	14.37	136.1	15.37	152.7	17.38	169.5	19.56
	20	85.9	9.95	102.6	11.69	119.3	13.64	127.7	14.62	136.1	15.62	152.7	17.73	169.5	19.97
	21	85.9	10.02	102.6	11.78	119.3	13.79	127.7	14.80	136.1	15.78	152.7	17.96	169.5	20.13
	23	85.9	10.20	102.6	12.04	119.3	13.95	127.7	15.05	136.1	16.13	152.7	18.65	169.5	21.39
	25	85.9	10.36	102.6	12.29	119.3	14.55	127.7	15.78	136.1	17.13	152.7	19.90	169.5	22.89
	27	85.9	10.71	102.6	12.95	119.3	15.47	127.7	16.79	136.1	18.21	152.7	21.13	169.5	24.41
	29	85.9	11.37	102.6	13.79	119.3	16.47	127.7	17.88	136.1	19.40	152.7	22.56	169.5	26.07
	31	85.9	12.04	102.6	14.62	119.3	17.47	127.7	19.05	136.1	20.63	152.7	24.06	169.5	27.74
	33	85.9	12.70	102.6	15.47	119.3	18.55	127.7	20.22	136.1	21.98	152.7	25.57	169.5	29.57
	35	85.9	13.45	102.6	16.47	119.3	19.71	127.7	21.48	136.1	23.31	152.7	27.24	169.5	31.42
	37	85.9	14.20	102.6	17.38	119.3	20.88	127.7	22.81	136.1	24.73	152.7	28.91	169.5	33.42
	39	85.9	15.11	102.6	18.49	119.3	22.54	127.7	24.47	136.1	26.61	152.7	31.00	169.5	35.81
	41	83.6	16.38	100.0	20.25	116.3	24.50	124.4	26.74	132.6	28.88	148.8	34.02	165.3	38.92
	43	81.7	17.80	97.5	22.04	113.4	26.70	121.3	29.13	129.2	31.52	145.1	37.14	161.1	42.52
46	76.6	19.94	91.4	24.75	106.4	30.02	113.7	32.75	121.2	35.46	136.1	41.85	151.0	48.44	
48	67.7	17.38	80.8	21.60	94.0	26.24	100.7	28.60	107.1	30.98	120.3	36.60	133.6	42.39	
50	10	71.8	7.93	85.9	9.17	99.5	10.43	106.4	11.17	113.3	11.83	126.9	13.35	141.3	14.85
	12	71.8	8.00	85.9	9.26	99.5	10.60	106.4	11.35	113.3	12.09	126.9	13.60	141.3	15.10
	14	71.8	8.09	85.9	9.42	99.5	10.75	106.4	11.51	113.3	12.26	126.9	13.77	141.3	15.35
	16	71.8	8.25	85.9	9.59	99.5	10.92	106.4	11.76	113.3	12.43	126.9	14.02	141.3	15.60
	18	71.8	8.34	85.9	9.67	99.5	11.10	106.4	11.93	113.3	12.68	126.9	14.27	141.3	15.93
	20	71.8	8.43	85.9	9.84	99.5	11.35	106.4	12.09	113.3	12.94	126.9	14.52	141.3	16.27
	21	71.8	8.51	85.9	9.92	99.5	11.43	106.4	12.26	113.3	13.01	126.9	14.68	141.3	16.43
	23	71.8	8.66	85.9	10.09	99.5	11.60	106.4	12.43	113.3	13.26	126.9	14.93	141.3	16.77
	25	71.8	8.76	85.9	10.25	99.5	11.83	106.4	12.68	113.3	13.67	126.9	15.67	141.3	17.93
	27	71.8	8.92	85.9	10.60	99.5	12.50	106.4	13.51	113.3	14.52	126.9	16.77	141.3	19.09
	29	71.8	9.42	85.9	11.26	99.5	13.26	106.4	14.34	113.3	15.42	126.9	17.77	141.3	20.27
	31	71.8	9.92	85.9	11.93	99.5	14.08	106.4	15.18	113.3	16.43	126.9	18.93	141.3	21.60
	33	71.8	10.50	85.9	12.59	99.5	14.93	106.4	16.11	113.3	17.44	126.9	20.11	141.3	23.03
	35	71.8	11.10	85.9	13.35	99.5	15.76	106.4	17.10	113.3	18.43	126.9	21.27	141.3	24.43
	37	71.8	11.76	85.9	14.08	99.5	16.69	106.4	18.10	113.3	19.51	126.9	22.68	141.3	25.95
	39	71.8	12.53	85.9	15.10	99.5	17.87	106.4	19.48	113.3	20.94	126.9	24.17	141.3	28.01
	41	69.9	13.57	83.6	16.36	96.9	19.54	103.6	21.10	110.2	22.68	123.7	26.49	137.7	30.42
	43	68.4	14.75	81.7	17.79	94.6	21.25	101.1	22.97	107.7	24.71	120.6	28.89	134.3	33.18
46	64.0	16.52	76.6	19.95	88.7	23.85	94.7	25.79	100.7	27.73	113.0	32.51	126.0	37.36	
48	56.6	14.39	67.7	17.41	78.5	20.81	83.8	22.51	89.3	24.20	100.1	28.39	111.4	32.66	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

◆ ARUN780BTE5

Cooling Capacity (78HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	199.6	22.99	237.9	28.09	254.8	32.58	262.2	33.26	269.5	33.52	282.5	33.79	289.9	33.92
	12	199.6	23.56	237.9	29.09	254.8	33.92	262.2	34.15	269.5	34.43	282.5	34.70	289.9	35.01
	14	199.6	24.35	237.9	30.15	254.8	35.20	262.2	35.45	269.5	35.74	282.5	36.04	289.9	36.36
	16	199.6	25.24	237.9	31.21	254.8	36.79	262.2	37.13	269.5	37.42	282.5	37.76	289.9	38.04
	18	199.6	26.30	237.9	33.01	254.8	38.48	262.2	39.29	269.5	39.61	282.5	40.01	289.9	40.29
	20	199.6	27.46	237.9	35.17	254.8	40.38	262.2	43.22	269.5	43.58	278.4	44.01	285.7	44.32
	21	199.6	28.18	237.9	36.39	254.8	41.22	262.2	45.75	269.5	46.12	276.9	46.57	284.1	46.91
	23	199.6	30.23	237.9	38.29	254.8	43.35	262.2	50.49	266.1	50.90	272.7	51.39	280.1	51.75
	25	199.6	32.29	237.9	40.50	254.8	46.34	259.1	55.99	262.2	56.43	269.5	56.99	276.9	57.39
	27	199.6	34.55	237.9	43.28	251.6	49.37	254.8	61.64	259.1	62.13	266.1	62.75	272.7	63.17
	29	199.6	36.82	237.9	46.28	247.6	53.11	251.2	67.75	254.8	68.16	262.2	68.75	269.5	69.03
	31	199.6	39.29	237.0	48.74	243.5	56.49	247.6	67.44	251.2	67.85	258.1	68.47	265.4	68.75
	33	199.6	41.86	233.0	51.65	240.2	60.60	244.1	66.84	247.6	67.25	254.8	67.84	261.3	68.10
	35	199.6	44.62	228.8	54.09	236.2	65.63	240.2	65.97	244.1	66.36	250.9	66.95	258.1	67.22
	37	199.6	47.59	225.6	56.76	233.0	64.76	236.2	65.10	240.2	65.48	246.7	66.06	254.1	66.32
	39	199.6	50.67	221.6	59.76	228.8	63.91	233.0	64.23	236.2	64.60	243.5	65.19	250.9	65.44
	41	194.6	53.77	212.5	62.73	219.7	63.04	222.9	63.36	227.2	63.73	234.0	64.30	240.5	64.57
	43	189.8	56.70	203.5	61.86	210.6	62.17	213.8	62.48	218.1	62.85	224.9	63.42	231.0	63.66
46	177.8	60.69	185.7	60.57	192.4	60.86	195.4	61.17	199.5	61.54	205.8	62.11	211.5	62.33	
48	157.3	58.99	161.2	59.18	167.3	59.29	169.9	59.46	173.6	59.98	179.1	60.35	184.2	60.58	
120	10	184.6	20.69	219.7	25.37	239.9	30.12	247.3	32.56	254.5	33.08	268.4	33.20	275.0	33.48
	12	184.6	21.25	219.7	26.21	239.9	31.33	247.3	33.24	254.5	34.30	268.4	34.73	275.0	34.99
	14	184.6	21.97	219.7	27.11	239.9	32.61	247.3	34.52	254.5	35.55	268.4	36.08	275.0	36.38
	16	184.6	22.76	219.7	28.21	239.9	33.86	247.3	35.79	254.5	37.21	268.4	37.66	275.0	37.95
	18	184.6	23.65	219.7	29.49	239.9	35.23	247.3	37.70	254.5	39.10	268.4	39.57	275.0	39.88
	20	184.6	24.56	219.7	31.27	239.9	37.11	247.3	39.67	254.5	41.20	268.4	41.73	275.0	42.07
	21	184.6	25.30	219.7	32.39	239.9	38.17	247.3	40.82	254.5	42.54	268.4	43.07	275.0	43.41
	23	184.6	27.05	219.7	34.64	239.9	40.88	247.3	43.38	254.5	45.35	268.4	45.81	275.0	46.19
	25	184.6	28.89	219.7	37.11	239.9	43.13	247.3	46.25	254.5	48.63	265.2	49.03	271.7	49.44
	27	184.6	30.84	219.7	39.69	239.9	45.90	247.3	49.40	254.5	52.27	261.1	52.62	267.8	53.05
	29	184.6	32.90	219.7	42.35	239.9	48.31	247.3	52.87	250.5	55.70	257.0	56.55	264.3	56.99
	31	184.6	35.07	219.7	45.25	239.9	50.80	244.0	56.65	247.3	59.76	253.8	60.82	260.3	61.30
	33	184.6	37.32	219.7	48.22	236.6	53.74	239.9	61.48	243.1	64.17	249.6	64.89	256.1	65.41
	35	184.6	39.69	219.7	51.41	232.7	56.87	235.9	67.75	239.9	68.07	246.4	68.29	252.9	68.82
	37	184.6	42.69	219.7	54.24	229.4	60.64	232.7	66.32	235.9	66.63	242.4	66.85	248.9	67.38
	39	184.6	45.96	218.8	57.33	225.3	64.32	228.5	64.95	231.8	65.29	239.2	65.47	245.7	66.00
	41	180.0	49.22	209.3	60.42	216.4	63.04	219.3	63.60	222.6	63.91	229.0	64.10	235.6	64.60
	43	175.5	52.55	200.5	59.57	207.4	61.64	210.4	62.23	213.6	62.54	219.7	62.73	226.2	63.23
46	164.5	56.49	182.7	58.14	189.4	59.70	192.2	60.18	195.0	60.48	201.1	60.67	207.0	61.14	
48	145.6	55.36	158.6	57.11	164.7	58.52	167.1	58.89	169.7	59.08	174.9	59.30	180.1	59.54	
110	10	169.0	18.60	201.5	22.69	224.9	26.93	231.4	29.15	246.1	31.37	251.8	32.24	268.8	32.77
	12	169.0	19.19	201.5	23.44	224.9	28.06	231.4	29.97	246.1	32.55	251.8	33.60	268.8	34.37
	14	169.0	19.78	201.5	24.50	224.9	29.31	231.4	31.46	246.1	34.20	251.8	35.17	268.8	35.90
	16	169.0	20.48	201.5	25.37	224.9	30.53	231.4	32.84	246.1	35.77	251.8	36.74	268.8	37.38
	18	169.0	21.25	201.5	26.43	224.9	32.29	231.4	34.58	246.1	37.73	251.8	38.48	268.8	39.20
	20	169.0	22.00	201.5	27.77	224.9	34.24	231.4	36.17	246.1	39.57	251.8	40.54	268.8	41.20
	21	169.0	22.50	201.5	28.59	224.9	35.11	231.4	37.13	246.1	40.67	251.8	41.69	268.8	42.35
	23	169.0	23.96	201.5	30.65	224.9	37.08	231.4	39.20	246.1	42.95	251.8	43.88	268.8	44.60
	25	169.0	25.60	201.5	32.71	224.9	39.17	231.4	41.44	246.1	45.38	251.8	46.04	265.6	46.97
	27	169.0	27.34	201.5	34.96	224.9	41.39	231.4	43.85	246.1	47.40	251.8	48.49	261.7	49.31
	29	169.0	29.21	201.5	37.32	224.9	43.75	231.4	46.44	246.1	50.09	251.8	50.96	258.3	51.71
	31	169.0	31.05	201.5	39.80	224.9	46.23	231.4	49.22	242.1	52.64	248.6	53.68	254.2	54.24
	33	169.0	33.11	201.5	42.35	224.9	48.84	231.4	52.15	238.8	55.58	244.4	56.51	250.9	56.83
	35	169.0	35.17	201.5	45.25	224.9	51.58	231.4	55.27	234.7	58.67	240.5	59.20	247.0	59.48
	37	169.0	37.27	201.5	48.02	224.9	54.45	228.2	58.55	230.7	61.86	237.2	62.07	242.8	62.26
	39	169.0	40.19	201.5	51.03	221.0	57.46	224.2	62.64	227.5	64.94	233.1	65.04	239.6	65.10
	41	164.7	43.09	196.3	54.03	211.5	60.58	214.8	67.75	217.5	67.75	224.0	68.29	229.5	68.82
	43	160.6	45.25	191.5	56.30	202.8	64.26	206.0	64.98	208.7	64.85	214.9	65.19	220.3	65.38
46	150.5	44.16	179.4	54.34	184.9	60.98	188.1	60.98	190.5	61.51	196.3	61.85	201.5	62.01	
48	133.2	42.88	156.0	52.37	160.6	58.02	163.5	58.40	165.7	58.70	170.9	58.86	175.3	59.08	

# 7. Capacity Tables

Cooling Capacity (78HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	147.5	16.75	175.5	20.35	204.4	24.16	218.4	26.09	232.4	28.05	257.7	31.21	263.3	31.46
	12	147.5	17.28	175.5	21.19	204.4	24.97	218.4	26.81	232.4	28.93	257.7	32.90	263.3	33.21
	14	147.5	17.83	175.5	22.03	204.4	26.03	218.4	27.96	232.4	30.18	257.7	34.73	263.3	35.05
	16	147.5	18.38	175.5	22.78	204.4	27.13	218.4	29.28	232.4	31.80	257.7	36.42	263.3	36.92
	18	147.5	18.91	175.5	23.62	204.4	28.19	218.4	30.71	232.4	33.73	257.7	38.48	263.3	38.78
	20	147.5	19.59	175.5	24.50	204.4	29.83	218.4	32.90	232.4	36.10	257.7	40.31	263.3	40.63
	21	147.5	20.00	175.5	25.09	204.4	30.84	218.4	34.05	232.4	37.42	257.7	41.23	263.3	41.56
	23	147.5	21.19	175.5	26.84	204.4	33.11	218.4	36.51	232.4	40.10	257.7	43.17	263.3	43.53
	25	147.5	22.52	175.5	28.59	204.4	35.36	218.4	39.08	232.4	42.88	257.7	45.01	261.3	45.38
	27	147.5	24.07	175.5	30.55	204.4	37.85	218.4	41.75	232.4	45.59	252.8	47.13	258.0	47.51
	29	147.5	25.60	175.5	32.59	204.4	40.42	218.4	44.62	232.4	48.25	248.0	49.03	254.1	49.43
	31	147.5	27.34	175.5	34.77	204.4	43.09	218.4	47.62	232.4	50.71	244.4	50.93	250.2	51.34
	33	147.5	29.00	175.5	37.02	204.4	45.97	218.4	50.80	232.4	52.62	240.5	52.83	246.3	53.24
	35	147.5	30.84	175.5	39.38	204.4	48.93	218.4	54.18	228.8	54.52	236.0	54.74	242.0	55.17
	37	147.5	33.05	175.5	42.25	204.4	51.84	218.4	56.77	225.2	57.05	231.6	57.27	237.2	57.80
	39	147.5	35.42	175.5	45.38	204.4	54.93	218.4	59.54	221.4	59.80	227.9	60.05	233.3	60.60
	41	145.0	37.80	172.7	48.50	201.1	58.04	209.6	62.32	214.1	62.57	219.1	62.79	226.2	63.38
	43	140.1	40.01	166.8	51.43	194.3	60.82	200.9	64.70	203.2	64.94	209.6	65.14	215.1	65.76
46	131.3	43.03	156.3	55.43	182.0	64.51	183.3	67.75	185.5	67.94	191.4	68.13	196.6	68.78	
48	116.1	37.17	138.2	47.97	157.1	55.15	159.5	57.48	161.2	57.67	166.4	57.80	170.9	58.26	
90	10	132.6	14.67	158.3	17.66	184.0	20.81	196.6	22.42	209.0	24.14	234.7	27.02	260.6	30.05
	12	132.6	14.86	158.3	17.92	184.0	21.16	196.6	22.88	209.0	24.68	234.7	27.55	260.6	30.57
	14	132.6	15.14	158.3	18.28	184.0	21.63	196.6	23.33	209.0	25.13	234.7	28.08	260.6	31.19
	16	132.6	15.40	158.3	18.64	184.0	22.06	196.6	23.77	209.0	25.59	234.7	28.62	260.6	31.73
	18	132.6	15.68	158.3	19.01	184.0	22.42	196.6	24.33	209.0	26.12	234.7	29.25	260.6	33.33
	20	132.6	15.94	158.3	19.36	184.0	22.88	196.6	24.77	209.0	27.11	234.7	31.29	260.6	34.92
	21	132.6	16.12	158.3	19.55	184.0	23.33	196.6	25.59	209.0	28.11	234.7	31.80	260.6	35.72
	23	132.6	16.49	158.3	20.36	184.0	24.96	196.6	27.48	209.0	30.09	234.7	33.74	257.0	37.40
	25	132.6	17.29	158.3	21.72	184.0	26.66	196.6	29.37	209.0	32.15	234.7	36.07	253.2	39.00
	27	132.6	18.47	158.3	23.14	184.0	28.46	196.6	31.35	209.0	34.41	234.7	38.34	249.6	40.83
	29	132.6	19.55	158.3	24.68	184.0	30.44	196.6	33.50	209.0	36.75	234.7	40.62	245.7	42.47
	31	132.6	20.81	158.3	26.31	184.0	32.43	196.6	35.67	209.0	39.18	234.7	42.66	242.1	44.14
	33	132.6	22.16	158.3	28.01	184.0	34.60	196.6	38.00	209.0	41.56	234.7	44.70	238.3	45.77
	35	132.6	23.52	158.3	29.72	184.0	36.75	196.6	40.54	209.0	44.07	230.7	47.28	234.7	48.35
	37	132.6	24.96	158.3	31.61	184.0	39.19	196.6	43.06	209.0	46.52	227.1	49.42	231.0	50.52
	39	132.6	26.42	158.3	33.62	184.0	41.46	196.6	45.83	209.0	48.91	223.3	52.10	227.2	52.73
	41	129.3	29.56	154.3	37.27	179.4	45.52	191.5	50.11	203.7	52.82	213.9	54.90	217.8	56.17
	43	126.1	31.92	150.4	40.29	174.9	49.73	186.8	53.96	198.6	56.63	205.1	58.81	208.9	59.50
46	118.1	35.91	141.0	45.88	163.8	56.66	175.1	61.19	180.5	62.92	187.2	64.54	190.8	64.63	
48	104.4	31.38	124.8	40.14	145.0	49.58	154.7	53.38	156.7	54.21	162.8	55.56	165.8	55.63	
80	10	117.7	12.33	140.4	14.81	163.1	17.38	174.8	18.76	186.5	20.13	209.0	22.95	231.7	24.92
	12	117.7	12.58	140.4	14.99	163.1	17.72	174.8	19.09	186.5	20.47	209.0	23.37	231.7	25.42
	14	117.7	12.75	140.4	15.34	163.1	17.98	174.8	19.43	186.5	20.80	209.0	23.81	231.7	25.91
	16	117.7	12.93	140.4	15.59	163.1	18.32	174.8	19.79	186.5	21.24	209.0	24.31	231.7	26.40
	18	117.7	13.18	140.4	15.85	163.1	18.67	174.8	20.13	186.5	21.66	209.0	24.75	231.7	26.98
	20	117.7	13.44	140.4	16.19	163.1	19.09	174.8	20.54	186.5	22.10	209.0	25.68	231.7	28.57
	21	117.7	13.54	140.4	16.35	163.1	19.27	174.8	20.80	186.5	22.60	209.0	26.51	231.7	29.33
	23	117.7	13.78	140.4	16.61	163.1	20.13	174.8	22.10	186.5	24.15	209.0	27.99	231.7	30.79
	25	117.7	14.30	140.4	17.72	163.1	21.59	174.8	23.64	186.5	25.87	209.0	29.95	231.7	32.91
	27	117.7	15.15	140.4	18.83	163.1	23.04	174.8	25.27	186.5	27.58	209.0	31.82	231.7	34.64
	29	117.7	16.11	140.4	20.13	163.1	24.50	174.8	26.89	186.5	29.46	209.0	34.08	231.7	37.06
	31	117.7	17.12	140.4	21.33	163.1	26.12	174.8	28.69	186.5	31.35	209.0	36.18	231.7	38.92
	33	117.7	18.16	140.4	22.79	163.1	27.83	174.8	30.56	186.5	33.38	209.0	38.11	231.7	40.80
	35	117.7	19.27	140.4	24.15	163.1	29.63	174.8	32.53	186.5	35.63	209.0	40.42	229.2	42.28
	37	117.7	20.39	140.4	25.68	163.1	31.42	174.8	34.59	186.5	37.85	209.0	42.66	225.5	44.22
	39	117.7	21.53	140.4	27.14	163.1	33.61	174.8	37.19	186.5	40.67	209.0	45.08	221.7	46.64
	41	114.8	23.83	136.8	30.08	158.9	36.90	170.3	40.76	181.6	44.70	203.7	50.15	212.5	51.70
	43	111.8	26.23	133.5	32.82	155.0	40.27	166.0	44.44	177.2	48.85	198.6	53.66	203.7	55.35
46	104.9	29.19	125.1	36.97	145.2	45.37	155.6	49.45	166.0	55.12	181.6	58.58	185.9	59.51	
48	92.9	25.48	110.5	32.33	128.4	39.69	137.8	43.20	146.9	48.25	157.7	50.69	161.6	51.23	

# 7. Capacity Tables

Cooling Capacity (78HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	103.0	10.85	123.2	12.90	142.7	14.96	152.8	16.16	163.1	17.27	182.6	19.67	202.8	21.99
	12	103.0	11.02	123.2	13.09	142.7	15.30	152.8	16.41	163.1	17.62	182.6	19.99	202.8	22.40
	14	103.0	11.21	123.2	13.25	142.7	15.55	152.8	16.67	163.1	17.88	182.6	20.43	202.8	22.82
	16	103.0	11.36	123.2	13.51	142.7	15.81	152.8	17.01	163.1	18.20	182.6	20.78	202.8	23.31
	18	103.0	11.53	123.2	13.76	142.7	16.16	152.8	17.35	163.1	18.55	182.6	21.10	202.8	23.72
	20	103.0	11.72	123.2	14.02	142.7	16.41	152.8	17.69	163.1	18.97	182.6	21.62	202.8	24.62
	21	103.0	11.88	123.2	14.11	142.7	16.58	152.8	17.88	163.1	19.16	182.6	21.97	202.8	25.13
	23	103.0	12.06	123.2	14.43	142.7	16.92	152.8	18.46	163.1	20.08	182.6	23.50	202.8	26.54
	25	103.0	12.23	123.2	14.96	142.7	18.03	152.8	19.74	163.1	21.46	182.6	25.13	202.8	27.84
	27	103.0	12.90	123.2	15.99	142.7	19.22	152.8	20.95	163.1	22.91	182.6	26.85	202.8	29.57
	29	103.0	13.76	123.2	16.92	142.7	20.43	152.8	22.31	163.1	24.36	182.6	28.64	202.8	31.67
	31	103.0	14.62	123.2	18.03	142.7	21.80	152.8	23.85	163.1	25.98	182.6	30.52	202.8	33.63
	33	103.0	15.48	123.2	19.06	142.7	23.17	152.8	25.30	163.1	27.62	182.6	32.48	202.8	35.79
	35	103.0	16.32	123.2	20.34	142.7	24.62	152.8	26.92	163.1	29.41	182.6	34.61	202.8	37.96
	37	103.0	17.35	123.2	21.55	142.7	26.15	152.8	28.64	163.1	31.29	182.6	36.85	202.8	40.07
	39	103.0	18.42	123.2	22.98	142.7	27.97	152.8	30.81	163.1	33.80	182.6	39.43	202.8	43.20
	41	100.4	20.37	120.0	25.17	139.1	30.68	148.9	33.78	158.9	36.74	177.8	43.29	197.6	46.59
	43	97.9	22.18	117.0	27.43	135.6	33.46	145.3	36.85	155.0	40.13	173.5	47.31	192.7	50.38
46	91.7	24.64	109.8	30.84	127.1	37.70	136.1	41.05	145.2	45.23	162.5	53.35	180.7	56.14	
48	81.2	21.51	97.1	26.94	112.5	32.95	120.5	35.85	128.4	39.56	143.7	46.70	159.9	48.59	
60	10	88.1	9.39	105.3	11.00	122.5	12.80	131.0	13.73	139.7	14.60	156.7	16.56	173.9	18.52
	12	88.1	9.55	105.3	11.19	122.5	12.97	131.0	13.92	139.7	14.86	156.7	16.81	173.9	18.85
	14	88.1	9.64	105.3	11.35	122.5	13.22	131.0	14.16	139.7	15.11	156.7	17.14	173.9	19.19
	16	88.1	9.81	105.3	11.61	122.5	13.40	131.0	14.41	139.7	15.44	156.7	17.49	173.9	19.55
	18	88.1	9.98	105.3	11.77	122.5	13.66	131.0	14.67	139.7	15.69	156.7	17.75	173.9	19.97
	20	88.1	10.16	105.3	11.93	122.5	13.92	131.0	14.92	139.7	15.95	156.7	18.10	173.9	20.39
	21	88.1	10.23	105.3	12.03	122.5	14.08	131.0	15.11	139.7	16.12	156.7	18.34	173.9	20.55
	23	88.1	10.42	105.3	12.29	122.5	14.25	131.0	15.37	139.7	16.47	156.7	19.04	173.9	21.84
	25	88.1	10.58	105.3	12.54	122.5	14.86	131.0	16.12	139.7	17.49	156.7	20.32	173.9	23.38
	27	88.1	10.93	105.3	13.22	122.5	15.79	131.0	17.14	139.7	18.59	156.7	21.58	173.9	24.92
	29	88.1	11.61	105.3	14.08	122.5	16.81	131.0	18.26	139.7	19.81	156.7	23.03	173.9	26.62
	31	88.1	12.29	105.3	14.92	122.5	17.84	131.0	19.45	139.7	21.06	156.7	24.57	173.9	28.33
	33	88.1	12.97	105.3	15.79	122.5	18.94	131.0	20.64	139.7	22.44	156.7	26.11	173.9	30.19
	35	88.1	13.73	105.3	16.81	122.5	20.13	131.0	21.93	139.7	23.80	156.7	27.81	173.9	32.08
	37	88.1	14.50	105.3	17.75	122.5	21.32	131.0	23.29	139.7	25.25	156.7	29.52	173.9	34.12
	39	88.1	15.43	105.3	18.88	122.5	23.02	131.0	24.99	139.7	27.17	156.7	31.65	173.9	36.56
	41	85.8	16.73	102.7	20.68	119.3	25.01	127.7	27.30	136.1	29.49	152.8	34.73	169.6	39.74
	43	83.8	18.17	100.1	22.51	116.4	27.26	124.5	29.74	132.6	32.18	148.9	37.92	165.3	43.41
46	78.6	20.36	93.8	25.27	109.2	30.65	116.7	33.44	124.4	36.20	139.7	42.73	154.9	49.46	
48	69.5	17.75	82.9	22.06	96.5	26.79	103.3	29.20	109.9	31.64	123.5	37.37	137.1	43.28	
50	10	73.7	8.10	88.1	9.37	102.1	10.66	109.2	11.40	116.3	12.08	130.3	13.64	145.0	15.16
	12	73.7	8.17	88.1	9.45	102.1	10.82	109.2	11.59	116.3	12.35	130.3	13.89	145.0	15.42
	14	73.7	8.26	88.1	9.62	102.1	10.98	109.2	11.76	116.3	12.52	130.3	14.06	145.0	15.67
	16	73.7	8.42	88.1	9.79	102.1	11.15	109.2	12.01	116.3	12.69	130.3	14.31	145.0	15.93
	18	73.7	8.52	88.1	9.88	102.1	11.33	109.2	12.18	116.3	12.95	130.3	14.57	145.0	16.26
	20	73.7	8.61	88.1	10.04	102.1	11.59	109.2	12.35	116.3	13.21	130.3	14.83	145.0	16.62
	21	73.7	8.69	88.1	10.13	102.1	11.67	109.2	12.52	116.3	13.28	130.3	14.99	145.0	16.77
	23	73.7	8.84	88.1	10.30	102.1	11.85	109.2	12.69	116.3	13.54	130.3	15.25	145.0	17.13
	25	73.7	8.94	88.1	10.47	102.1	12.08	109.2	12.95	116.3	13.96	130.3	16.01	145.0	18.31
	27	73.7	9.11	88.1	10.82	102.1	12.77	109.2	13.79	116.3	14.83	130.3	17.13	145.0	19.50
	29	73.7	9.62	88.1	11.50	102.1	13.54	109.2	14.64	116.3	15.75	130.3	18.14	145.0	20.70
	31	73.7	10.13	88.1	12.18	102.1	14.38	109.2	15.51	116.3	16.77	130.3	19.33	145.0	22.06
	33	73.7	10.72	88.1	12.86	102.1	15.25	109.2	16.45	116.3	17.81	130.3	20.53	145.0	23.51
	35	73.7	11.33	88.1	13.64	102.1	16.10	109.2	17.46	116.3	18.82	130.3	21.72	145.0	24.95
	37	73.7	12.01	88.1	14.38	102.1	17.04	109.2	18.49	116.3	19.92	130.3	23.16	145.0	26.49
	39	73.7	12.80	88.1	15.42	102.1	18.25	109.2	19.89	116.3	21.38	130.3	24.68	145.0	28.61
	41	71.8	13.86	85.8	16.71	99.5	19.96	106.4	21.55	113.1	23.16	127.0	27.05	141.3	31.06
	43	70.2	15.06	83.8	18.17	97.1	21.70	103.7	23.45	110.5	25.23	123.8	29.50	137.8	33.88
46	65.6	16.87	78.6	20.37	91.0	24.36	97.2	26.33	103.4	28.31	116.0	33.20	129.3	38.15	
48	58.1	14.70	69.5	17.78	80.6	21.25	86.1	22.99	91.6	24.72	102.7	28.99	114.4	33.35	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN800BTE5

Cooling Capacity (80HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	204.7	23.66	244.0	28.90	261.4	33.53	268.9	34.23	276.4	34.49	289.7	34.78	297.3	34.91
	12	204.7	24.25	244.0	29.93	261.4	34.91	268.9	35.14	276.4	35.43	289.7	35.71	297.3	36.03
	14	204.7	25.05	244.0	31.02	261.4	36.22	268.9	36.49	276.4	36.78	289.7	37.09	297.3	37.42
	16	204.7	25.98	244.0	32.11	261.4	37.86	268.9	38.21	276.4	38.51	289.7	38.86	297.3	39.15
	18	204.7	27.07	244.0	33.97	261.4	39.60	268.9	40.44	276.4	40.76	289.7	41.18	297.3	41.46
	20	204.7	28.26	244.0	36.19	261.4	41.55	268.9	44.48	276.4	44.84	285.6	45.29	293.1	45.61
	21	204.7	29.00	244.0	37.45	261.4	42.42	268.9	47.08	276.4	47.47	284.0	47.92	291.4	48.27
	23	204.7	31.11	244.0	39.41	261.4	44.61	268.9	51.96	272.9	52.38	279.7	52.89	287.3	53.25
	25	204.7	33.23	244.0	41.68	261.4	47.69	265.7	57.62	268.9	58.07	276.4	58.65	284.0	59.06
	27	204.7	35.56	244.0	44.54	258.0	50.81	261.4	63.43	265.7	63.94	272.9	64.58	279.7	65.01
	29	204.7	37.90	244.0	47.62	254.0	54.66	257.6	69.72	261.4	70.14	268.9	70.75	276.4	71.04
	31	204.7	40.43	243.1	50.16	249.7	58.13	254.0	69.41	257.6	69.82	264.7	70.47	272.3	70.75
	33	204.7	43.07	238.9	53.15	246.4	62.37	250.4	68.79	254.0	69.20	261.4	69.82	268.0	70.08
	35	204.7	45.92	234.7	55.66	242.3	67.54	246.4	67.89	250.4	68.29	257.3	68.90	264.7	69.18
	37	204.7	48.98	231.4	58.42	238.9	66.65	242.3	66.99	246.4	67.39	253.1	67.99	260.7	68.25
	39	204.7	52.15	227.3	61.50	234.7	65.77	238.9	66.10	242.3	66.48	249.7	67.09	257.3	67.35
	41	199.6	55.33	218.0	64.56	225.3	64.88	228.6	65.20	233.1	65.58	240.0	66.17	246.6	66.45
	43	194.7	58.35	208.7	63.66	216.0	63.98	219.3	64.29	223.7	64.68	230.6	65.27	236.9	65.52
46	182.4	62.46	190.4	62.33	197.3	62.63	200.4	62.95	204.7	63.33	211.1	63.91	216.9	64.14	
48	161.3	60.71	165.4	60.90	171.6	61.02	174.3	61.19	178.0	61.73	183.7	62.11	188.9	62.34	
120	10	189.4	21.29	225.3	26.10	246.0	31.00	253.6	33.51	261.1	34.04	275.3	34.17	282.0	34.45
	12	189.4	21.87	225.3	26.98	246.0	32.25	253.6	34.21	261.1	35.30	275.3	35.74	282.0	36.00
	14	189.4	22.61	225.3	27.90	246.0	33.56	253.6	35.52	261.1	36.59	275.3	37.13	282.0	37.44
	16	189.4	23.42	225.3	29.03	246.0	34.85	253.6	36.84	261.1	38.29	275.3	38.76	282.0	39.06
	18	189.4	24.34	225.3	30.34	246.0	36.26	253.6	38.79	261.1	40.24	275.3	40.72	282.0	41.04
	20	189.4	25.27	225.3	32.18	246.0	38.19	253.6	40.82	261.1	42.39	275.3	42.94	282.0	43.29
	21	189.4	26.04	225.3	33.34	246.0	39.28	253.6	42.01	261.1	43.78	275.3	44.32	282.0	44.68
	23	189.4	27.83	225.3	35.65	246.0	42.07	253.6	44.65	261.1	46.66	275.3	47.14	282.0	47.53
	25	189.4	29.73	225.3	38.19	246.0	44.39	253.6	47.60	261.1	50.04	272.0	50.46	278.7	50.87
	27	189.4	31.74	225.3	40.85	246.0	47.23	253.6	50.84	261.1	53.79	267.8	54.15	274.6	54.59
	29	189.4	33.86	225.3	43.58	246.0	49.71	253.6	54.41	256.9	57.32	263.6	58.19	271.1	58.65
	31	189.4	36.09	225.3	46.57	246.0	52.28	250.3	58.30	253.6	61.50	260.3	62.59	266.9	63.08
	33	189.4	38.41	225.3	49.63	242.7	55.31	246.0	63.27	249.4	66.03	256.0	66.78	262.7	67.31
	35	189.4	40.85	225.3	52.90	238.7	58.52	242.0	69.72	246.0	70.05	252.7	70.27	259.4	70.82
	37	189.4	43.93	225.3	55.82	235.3	62.40	238.7	68.24	242.0	68.57	248.7	68.79	255.3	69.34
	39	189.4	47.30	224.4	59.00	231.1	66.19	234.4	66.84	237.7	67.19	245.3	67.37	252.0	67.92
	41	184.6	50.66	214.7	62.18	222.0	64.88	224.9	65.45	228.3	65.77	234.9	65.97	241.6	66.48
	43	180.0	54.08	205.6	61.30	212.7	63.43	215.8	64.04	219.1	64.36	225.4	64.55	232.0	65.07
46	168.7	58.13	187.4	59.83	194.3	61.43	197.1	61.93	200.0	62.24	206.2	62.43	212.3	62.92	
48	149.3	56.97	162.7	58.77	168.9	60.22	171.4	60.60	174.0	60.79	174.0	61.03	184.7	61.28	
110	10	173.3	19.14	206.7	23.35	230.7	27.72	237.4	30.00	252.4	32.28	258.3	33.18	275.7	33.73
	12	173.3	19.75	206.7	24.12	230.7	28.87	237.4	30.84	252.4	33.49	258.3	34.58	275.7	35.37
	14	173.3	20.36	206.7	25.21	230.7	30.17	237.4	32.37	252.4	35.19	258.3	36.19	275.7	36.94
	16	173.3	21.08	206.7	26.11	230.7	31.41	237.4	33.79	252.4	36.81	258.3	37.81	275.7	38.47
	18	173.3	21.87	206.7	27.20	230.7	33.23	237.4	35.58	252.4	38.82	258.3	39.60	275.7	40.34
	20	173.3	22.64	206.7	28.58	230.7	35.23	237.4	37.22	252.4	40.72	258.3	41.72	275.7	42.39
	21	173.3	23.15	206.7	29.42	230.7	36.13	237.4	38.21	252.4	41.85	258.3	42.90	275.7	43.58
	23	173.3	24.66	206.7	31.54	230.7	38.16	237.4	40.34	252.4	44.20	258.3	45.15	275.7	45.90
	25	173.3	26.34	206.7	33.66	230.7	40.31	237.4	42.65	252.4	46.70	258.3	47.38	272.4	48.34
	27	173.3	28.14	206.7	35.98	230.7	42.59	237.4	45.13	252.4	48.78	258.3	49.90	268.4	50.74
	29	173.3	30.06	206.7	38.41	230.7	45.02	237.4	47.80	252.4	51.55	258.3	52.45	264.9	53.22
	31	173.3	31.96	206.7	40.95	230.7	47.57	237.4	50.65	248.3	54.17	254.9	55.24	260.7	55.81
	33	173.3	34.08	206.7	43.58	230.7	50.26	237.4	53.67	244.9	57.19	250.7	58.15	257.4	58.48
	35	173.3	36.19	206.7	46.57	230.7	53.08	237.4	56.88	240.7	60.38	246.7	60.92	253.3	61.21
	37	173.3	38.35	206.7	49.42	230.7	56.04	234.0	60.25	236.7	63.66	243.3	63.88	249.1	64.07
	39	173.3	41.36	206.7	52.51	226.7	59.13	230.0	64.46	233.3	66.83	239.1	66.93	245.8	67.00
	41	168.9	44.35	201.3	55.60	216.9	62.34	220.3	69.72	223.1	69.72	229.7	70.27	235.4	70.82
	43	164.7	46.57	196.4	57.93	208.0	66.12	211.3	66.87	214.0	66.73	220.4	67.09	226.0	67.28
46	154.4	45.44	184.0	55.92	189.6	62.76	192.9	62.76	195.4	63.30	201.4	63.65	206.7	63.81	
48	136.6	44.13	160.0	53.89	164.7	59.70	167.7	60.10	170.0	60.40	175.3	60.57	179.8	60.80	

# 7. Capacity Tables

Cooling Capacity (80HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	151.3	17.24	180.0	20.95	209.6	24.86	224.0	26.85	238.4	28.86	264.3	32.12	270.0	32.38
	12	151.3	17.79	180.0	21.80	209.6	25.69	224.0	27.59	238.4	29.77	264.3	33.85	270.0	34.17
	14	151.3	18.35	180.0	22.68	209.6	26.78	224.0	28.77	238.4	31.06	264.3	35.74	270.0	36.07
	16	151.3	18.91	180.0	23.44	209.6	27.92	224.0	30.13	238.4	32.73	264.3	37.48	270.0	37.99
	18	151.3	19.46	180.0	24.31	209.6	29.01	224.0	31.61	238.4	34.71	264.3	39.60	270.0	39.91
	20	151.3	20.16	180.0	25.21	209.6	30.69	224.0	33.86	238.4	37.15	264.3	41.49	270.0	41.81
	21	151.3	20.58	180.0	25.82	209.6	31.74	224.0	35.04	238.4	38.51	264.3	42.43	270.0	42.77
	23	151.3	21.80	180.0	27.62	209.6	34.08	224.0	37.57	238.4	41.27	264.3	44.43	270.0	44.80
	25	151.3	23.18	180.0	29.42	209.6	36.39	224.0	40.21	238.4	44.13	264.3	46.31	268.0	46.70
	27	151.3	24.77	180.0	31.44	209.6	38.95	224.0	42.97	238.4	46.92	259.3	48.50	264.7	48.89
	29	151.3	26.34	180.0	33.53	209.6	41.59	224.0	45.92	238.4	49.65	254.4	50.46	260.7	50.87
	31	151.3	28.14	180.0	35.78	209.6	44.35	224.0	49.00	238.4	52.18	250.6	52.41	256.7	52.84
	33	151.3	29.84	180.0	38.09	209.6	47.31	224.0	52.28	238.4	54.15	246.6	54.37	252.7	54.79
	35	151.3	31.74	180.0	40.53	209.6	50.36	224.0	55.75	234.7	56.10	242.0	56.33	248.2	56.78
	37	151.3	34.01	180.0	43.48	209.6	53.35	224.0	58.42	230.9	58.71	237.6	58.94	243.3	59.48
	39	151.3	36.45	180.0	46.70	209.6	56.53	224.0	61.28	227.1	61.54	233.7	61.79	239.3	62.36
	41	148.7	38.90	177.1	49.91	206.3	59.73	214.9	64.14	219.6	64.39	224.7	64.62	232.0	65.23
	43	143.7	41.17	171.1	52.93	199.3	62.59	206.0	66.58	208.4	66.83	214.9	67.04	220.6	67.67
46	134.7	44.28	160.3	57.04	186.7	66.38	188.0	69.72	190.2	69.92	196.3	70.12	201.6	70.78	
48	119.1	38.25	141.8	49.37	161.1	56.75	163.6	59.15	165.3	59.35	170.7	59.48	175.3	59.96	
90	10	136.0	15.00	162.4	18.05	188.7	21.28	201.6	22.92	214.4	24.68	240.7	27.62	267.3	30.73
	12	136.0	15.19	162.4	18.32	188.7	21.63	201.6	23.39	214.4	25.23	240.7	28.17	267.3	31.25
	14	136.0	15.48	162.4	18.69	188.7	22.11	201.6	23.85	214.4	25.69	240.7	28.71	267.3	31.89
	16	136.0	15.74	162.4	19.06	188.7	22.56	201.6	24.31	214.4	26.16	240.7	29.26	267.3	32.44
	18	136.0	16.03	162.4	19.44	188.7	22.92	201.6	24.88	214.4	26.71	240.7	29.91	267.3	34.08
	20	136.0	16.29	162.4	19.79	188.7	23.39	201.6	25.32	214.4	27.71	240.7	32.00	267.3	35.70
	21	136.0	16.48	162.4	19.98	188.7	23.85	201.6	26.16	214.4	28.74	240.7	32.51	267.3	36.52
	23	136.0	16.86	162.4	20.82	188.7	25.52	201.6	28.09	214.4	30.77	240.7	34.50	263.6	38.24
	25	136.0	17.68	162.4	22.20	188.7	27.26	201.6	30.02	214.4	32.87	240.7	36.88	259.7	39.88
	27	136.0	18.89	162.4	23.66	188.7	29.10	201.6	32.06	214.4	35.18	240.7	39.20	256.0	41.75
	29	136.0	19.98	162.4	25.23	188.7	31.12	201.6	34.25	214.4	37.57	240.7	41.53	252.0	43.42
	31	136.0	21.28	162.4	26.90	188.7	33.16	201.6	36.47	214.4	40.06	240.7	43.61	248.3	45.12
	33	136.0	22.66	162.4	28.64	188.7	35.37	201.6	38.85	214.4	42.49	240.7	45.70	244.4	46.80
	35	136.0	24.04	162.4	30.39	188.7	37.57	201.6	41.44	214.4	45.06	236.7	48.34	240.7	49.44
	37	136.0	25.52	162.4	32.32	188.7	40.07	201.6	44.03	214.4	47.57	232.9	50.53	236.9	51.66
	39	136.0	27.01	162.4	34.37	188.7	42.39	201.6	46.86	214.4	50.01	229.1	53.27	233.1	53.91
	41	132.6	30.22	158.3	38.11	184.0	46.54	196.4	51.24	208.9	54.00	219.4	56.13	223.3	57.42
	43	129.3	32.63	154.3	41.20	179.4	50.84	191.6	55.17	203.7	57.89	210.4	60.12	214.3	60.83
46	121.1	36.72	144.7	46.90	168.0	57.93	179.6	62.56	185.1	64.33	192.0	65.99	195.7	66.08	
48	107.1	32.09	128.0	41.04	148.7	50.69	158.7	54.58	160.7	55.43	166.9	56.81	170.0	56.88	
80	10	120.7	12.63	144.0	15.17	167.3	17.80	179.3	19.22	191.3	20.62	214.4	23.51	237.6	25.53
	12	120.7	12.89	144.0	15.36	167.3	18.15	179.3	19.55	191.3	20.97	214.4	23.94	237.6	26.04
	14	120.7	13.06	144.0	15.71	167.3	18.41	179.3	19.91	191.3	21.31	214.4	24.39	237.6	26.54
	16	120.7	13.24	144.0	15.97	167.3	18.77	179.3	20.27	191.3	21.76	214.4	24.90	237.6	27.05
	18	120.7	13.51	144.0	16.24	167.3	19.13	179.3	20.62	191.3	22.18	214.4	25.36	237.6	27.64
	20	120.7	13.77	144.0	16.59	167.3	19.55	179.3	21.04	191.3	22.64	214.4	26.31	237.6	29.26
	21	120.7	13.87	144.0	16.75	167.3	19.74	179.3	21.31	191.3	23.15	214.4	27.15	237.6	30.05
	23	120.7	14.12	144.0	17.01	167.3	20.62	179.3	22.64	191.3	24.74	214.4	28.67	237.6	31.54
	25	120.7	14.64	144.0	18.15	167.3	22.11	179.3	24.22	191.3	26.50	214.4	30.68	237.6	33.71
	27	120.7	15.52	144.0	19.29	167.3	23.60	179.3	25.88	191.3	28.25	214.4	32.60	237.6	35.49
	29	120.7	16.50	144.0	20.62	167.3	25.10	179.3	27.55	191.3	30.18	214.4	34.92	237.6	37.97
	31	120.7	17.54	144.0	21.85	167.3	26.76	179.3	29.39	191.3	32.11	214.4	37.06	237.6	39.87
	33	120.7	18.61	144.0	23.34	167.3	28.51	179.3	31.31	191.3	34.20	214.4	39.04	237.6	41.80
	35	120.7	19.74	144.0	24.74	167.3	30.36	179.3	33.32	191.3	36.50	214.4	41.40	235.1	43.32
	37	120.7	20.88	144.0	26.30	167.3	32.18	179.3	35.44	191.3	38.77	214.4	43.70	231.3	45.30
	39	120.7	22.05	144.0	27.80	167.3	34.43	179.3	38.09	191.3	41.67	214.4	46.18	227.4	47.78
	41	117.7	24.42	140.3	30.82	162.9	37.80	174.7	41.76	186.3	45.79	208.9	51.38	218.0	52.96
	43	114.7	26.87	136.9	33.62	158.9	41.25	170.3	45.52	181.7	50.04	203.7	54.97	208.9	56.70
46	107.6	29.90	128.3	37.87	148.9	46.47	159.6	50.66	170.3	56.46	186.3	60.01	190.7	60.96	
48	95.3	26.11	113.4	33.12	131.7	40.66	141.3	44.26	150.7	49.42	161.8	51.93	165.7	52.48	



# 7. Capacity Tables

Cooling Capacity (80HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	105.6	11.14	126.4	13.24	146.4	15.36	156.7	16.58	167.3	17.72	187.3	20.19	208.0	22.58
	12	105.6	11.31	126.4	13.43	146.4	15.70	156.7	16.84	167.3	18.09	187.3	20.52	208.0	23.00
	14	105.6	11.50	126.4	13.60	146.4	15.97	156.7	17.11	167.3	18.35	187.3	20.97	208.0	23.43
	16	105.6	11.66	126.4	13.87	146.4	16.23	156.7	17.46	167.3	18.68	187.3	21.33	208.0	23.93
	18	105.6	11.84	126.4	14.13	146.4	16.58	156.7	17.80	167.3	19.04	187.3	21.66	208.0	24.35
	20	105.6	12.03	126.4	14.39	146.4	16.84	156.7	18.16	167.3	19.47	187.3	22.19	208.0	25.27
	21	105.6	12.19	126.4	14.48	146.4	17.02	156.7	18.35	167.3	19.66	187.3	22.55	208.0	25.79
	23	105.6	12.38	126.4	14.81	146.4	17.37	156.7	18.94	167.3	20.61	187.3	24.13	208.0	27.24
	25	105.6	12.55	126.4	15.36	146.4	18.51	156.7	20.26	167.3	22.02	187.3	25.79	208.0	28.57
	27	105.6	13.24	126.4	16.41	146.4	19.73	156.7	21.50	167.3	23.52	187.3	27.56	208.0	30.35
	29	105.6	14.13	126.4	17.37	146.4	20.97	156.7	22.90	167.3	25.00	187.3	29.40	208.0	32.51
	31	105.6	15.01	126.4	18.51	146.4	22.38	156.7	24.48	167.3	26.67	187.3	31.33	208.0	34.51
	33	105.6	15.88	126.4	19.56	146.4	23.78	156.7	25.96	167.3	28.35	187.3	33.34	208.0	36.73
	35	105.6	16.75	126.4	20.88	146.4	25.27	156.7	27.63	167.3	30.18	187.3	35.53	208.0	38.96
	37	105.6	17.80	126.4	22.12	146.4	26.84	156.7	29.40	167.3	32.11	187.3	37.82	208.0	41.12
	39	105.6	18.91	126.4	23.59	146.4	28.70	156.7	31.63	167.3	34.70	187.3	40.47	208.0	44.34
	41	102.9	20.91	123.1	25.83	142.7	31.49	152.7	34.67	162.9	37.71	182.4	44.44	202.7	47.82
	43	100.4	22.77	120.0	28.15	139.1	34.35	149.1	37.82	158.9	41.19	178.0	48.56	197.6	51.71
46	94.0	25.29	112.6	31.66	130.4	38.70	139.6	42.13	148.9	46.42	166.7	54.76	185.3	57.62	
48	83.3	22.08	99.6	27.65	115.3	33.82	123.6	36.80	131.7	40.60	147.4	47.93	164.0	49.88	
60	10	90.4	9.65	108.0	11.31	125.6	13.16	134.4	14.12	143.3	15.02	160.7	17.03	178.4	19.04
	12	90.4	9.82	108.0	11.50	125.6	13.34	134.4	14.32	143.3	15.28	160.7	17.29	178.4	19.39
	14	90.4	9.92	108.0	11.68	125.6	13.60	134.4	14.56	143.3	15.54	160.7	17.63	178.4	19.74
	16	90.4	10.09	108.0	11.94	125.6	13.78	134.4	14.82	143.3	15.88	160.7	17.99	178.4	20.10
	18	90.4	10.26	108.0	12.10	125.6	14.04	134.4	15.09	143.3	16.14	160.7	18.25	178.4	20.54
	20	90.4	10.45	108.0	12.27	125.6	14.32	134.4	15.35	143.3	16.40	160.7	18.62	178.4	20.96
	21	90.4	10.52	108.0	12.37	125.6	14.48	134.4	15.54	143.3	16.57	160.7	18.86	178.4	21.14
	23	90.4	10.71	108.0	12.64	125.6	14.65	134.4	15.80	143.3	16.94	160.7	19.58	178.4	22.46
	25	90.4	10.88	108.0	12.90	125.6	15.28	134.4	16.57	143.3	17.99	160.7	20.89	178.4	24.04
	27	90.4	11.24	108.0	13.60	125.6	16.24	134.4	17.63	143.3	19.12	160.7	22.19	178.4	25.63
	29	90.4	11.94	108.0	14.48	125.6	17.29	134.4	18.78	143.3	20.37	160.7	23.69	178.4	27.38
	31	90.4	12.64	108.0	15.35	125.6	18.34	134.4	20.00	143.3	21.66	160.7	25.26	178.4	29.13
	33	90.4	13.34	108.0	16.24	125.6	19.48	134.4	21.23	143.3	23.08	160.7	26.85	178.4	31.05
	35	90.4	14.12	108.0	17.29	125.6	20.70	134.4	22.55	143.3	24.48	160.7	28.60	178.4	33.00
	37	90.4	14.91	108.0	18.25	125.6	21.93	134.4	23.95	143.3	25.96	160.7	30.35	178.4	35.09
	39	90.4	15.87	108.0	19.41	125.6	23.67	134.4	25.70	143.3	27.95	160.7	32.55	178.4	37.60
	41	88.0	17.20	105.3	21.26	122.4	25.72	130.9	28.08	139.6	30.33	156.7	35.72	174.0	40.87
	43	86.0	18.69	102.7	23.14	119.3	28.04	127.7	30.59	136.0	33.10	152.7	38.99	169.6	44.65
46	80.6	20.94	96.2	25.99	112.0	31.52	119.7	34.39	127.6	37.23	143.3	43.95	158.9	50.87	
48	71.3	18.25	85.1	22.68	98.9	27.55	106.0	30.03	112.7	32.54	126.7	38.43	140.6	44.51	
50	10	75.6	8.34	90.4	9.65	104.7	10.98	112.0	11.75	119.3	12.45	133.6	14.05	148.7	15.62
	12	75.6	8.41	90.4	9.74	104.7	11.15	112.0	11.94	119.3	12.72	133.6	14.31	148.7	15.89
	14	75.6	8.52	90.4	9.91	104.7	11.31	112.0	12.11	119.3	12.91	133.6	14.49	148.7	16.15
	16	75.6	8.68	90.4	10.09	104.7	11.49	112.0	12.38	119.3	13.08	133.6	14.75	148.7	16.41
	18	75.6	8.78	90.4	10.18	104.7	11.68	112.0	12.55	119.3	13.34	133.6	15.01	148.7	16.76
	20	75.6	8.87	90.4	10.35	104.7	11.94	112.0	12.72	119.3	13.61	133.6	15.28	148.7	17.12
	21	75.6	8.95	90.4	10.44	104.7	12.02	112.0	12.91	119.3	13.69	133.6	15.45	148.7	17.28
	23	75.6	9.11	90.4	10.61	104.7	12.21	112.0	13.08	119.3	13.95	133.6	15.71	148.7	17.65
	25	75.6	9.22	90.4	10.79	104.7	12.45	112.0	13.34	119.3	14.39	133.6	16.49	148.7	18.87
	27	75.6	9.39	90.4	11.15	104.7	13.16	112.0	14.21	119.3	15.28	133.6	17.65	148.7	20.09
	29	75.6	9.91	90.4	11.85	104.7	13.95	112.0	15.09	119.3	16.23	133.6	18.69	148.7	21.33
	31	75.6	10.44	90.4	12.55	104.7	14.82	112.0	15.98	119.3	17.28	133.6	19.92	148.7	22.73
	33	75.6	11.05	90.4	13.25	104.7	15.71	112.0	16.95	119.3	18.35	133.6	21.16	148.7	24.23
	35	75.6	11.68	90.4	14.05	104.7	16.59	112.0	17.99	119.3	19.39	133.6	22.38	148.7	25.71
	37	75.6	12.38	90.4	14.82	104.7	17.56	112.0	19.05	119.3	20.53	133.6	23.86	148.7	27.30
	39	75.6	13.19	90.4	15.89	104.7	18.80	112.0	20.50	119.3	22.03	133.6	25.43	148.7	29.48
	41	73.6	14.28	88.0	17.22	102.0	20.57	109.1	22.20	116.0	23.87	130.2	27.87	144.9	32.01
	43	72.0	15.52	86.0	18.72	99.6	22.36	106.4	24.17	113.3	26.00	126.9	30.40	141.4	34.91
46	67.3	17.39	80.6	20.99	93.3	25.10	99.7	27.14	106.0	29.18	118.9	34.21	132.6	39.31	
48	59.6	15.15	71.3	18.32	82.6	21.90	88.3	23.69	94.0	25.47	105.3	29.88	117.3	34.37	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN820BTE5

Cooling Capacity (82HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	209.8	24.72	250.1	30.20	267.9	35.03	275.6	35.76	283.3	36.03	297.0	36.33	304.7	36.47
	12	209.8	25.33	250.1	31.27	267.9	36.47	275.6	36.71	283.3	37.01	297.0	37.31	304.7	37.63
	14	209.8	26.17	250.1	32.41	267.9	37.84	275.6	38.11	283.3	38.42	297.0	38.74	304.7	39.08
	16	209.8	27.13	250.1	33.55	267.9	39.55	275.6	39.91	283.3	40.23	297.0	40.59	304.7	40.90
	18	209.8	28.27	250.1	35.49	267.9	41.37	275.6	42.24	283.3	42.58	297.0	43.01	304.7	43.31
	20	209.8	29.52	250.1	37.81	267.9	43.40	275.6	46.47	283.3	46.84	292.7	47.31	300.4	47.64
	21	209.8	30.30	250.1	39.12	267.9	44.31	275.6	49.18	283.3	49.58	291.1	50.06	298.6	50.42
	23	209.8	32.50	250.1	41.17	267.9	46.60	275.6	54.28	279.7	54.72	286.7	55.25	294.5	55.63
	25	209.8	34.71	250.1	43.54	267.9	49.81	272.4	60.19	275.6	60.66	283.3	61.27	291.1	61.70
	27	209.8	37.14	250.1	46.53	264.5	53.08	267.9	66.26	272.4	66.79	279.7	67.46	286.7	67.91
	29	209.8	39.59	250.1	49.75	260.3	57.10	264.0	72.83	267.9	73.27	275.6	73.91	283.3	74.21
	31	209.8	42.24	249.2	52.40	256.0	60.73	260.3	72.50	264.0	72.94	271.3	73.61	279.1	73.91
	33	209.8	44.99	244.9	55.52	252.6	65.15	256.7	71.86	260.3	72.29	267.9	72.93	274.7	73.21
	35	209.8	47.97	240.5	58.14	248.3	70.56	252.6	70.92	256.7	71.33	263.7	71.97	271.3	72.27
	37	209.8	51.16	237.1	61.02	244.9	69.62	248.3	69.98	252.6	70.39	259.4	71.02	267.2	71.29
	39	209.8	54.48	233.0	64.24	240.5	68.71	244.9	69.05	248.3	69.45	256.0	70.08	263.7	70.35
	41	204.6	57.80	223.4	67.44	230.9	67.77	234.4	68.11	238.9	68.51	246.0	69.12	252.8	69.41
	43	199.5	60.95	213.9	66.50	221.4	66.83	224.8	67.16	229.3	67.57	236.4	68.18	242.8	68.44
46	187.0	65.24	195.2	65.11	202.3	65.43	205.4	65.76	209.8	66.16	216.3	66.76	222.3	67.00	
48	165.4	63.41	169.5	63.61	175.9	63.74	178.6	63.92	182.5	64.48	188.3	64.88	193.6	65.13	
120	10	194.1	22.24	230.9	27.27	252.2	32.38	259.9	35.00	267.6	35.56	282.2	35.70	289.1	35.99
	12	194.1	22.84	230.9	28.18	252.2	33.69	259.9	35.74	267.6	36.87	282.2	37.33	289.1	37.61
	14	194.1	23.62	230.9	29.14	252.2	35.05	259.9	37.10	267.6	38.22	282.2	38.79	289.1	39.11
	16	194.1	24.46	230.9	30.33	252.2	36.40	259.9	38.48	267.6	40.00	282.2	40.49	289.1	40.80
	18	194.1	25.43	230.9	31.70	252.2	37.88	259.9	40.52	267.6	42.04	282.2	42.53	289.1	42.87
	20	194.1	26.40	230.9	33.61	252.2	39.89	259.9	42.64	267.6	44.29	282.2	44.86	289.1	45.22
	21	194.1	27.20	230.9	34.82	252.2	41.03	259.9	43.88	267.6	45.73	282.2	46.30	289.1	46.67
	23	194.1	29.08	230.9	37.24	252.2	43.95	259.9	46.64	267.6	48.75	282.2	49.25	289.1	49.65
	25	194.1	31.06	230.9	39.89	252.2	46.37	259.9	49.72	267.6	52.28	278.8	52.71	285.6	53.14
	27	194.1	33.16	230.9	42.67	252.2	49.34	259.9	53.11	267.6	56.19	274.4	56.57	281.5	57.03
	29	194.1	35.37	230.9	45.53	252.2	51.93	259.9	56.84	263.3	59.88	270.2	60.79	277.9	61.27
	31	194.1	37.70	230.9	48.65	252.2	54.61	256.5	60.90	259.9	64.24	266.8	65.38	273.6	65.90
	33	194.1	40.12	230.9	51.84	248.8	57.77	252.2	66.09	255.6	68.98	262.4	69.75	269.3	70.31
	35	194.1	42.67	230.9	55.27	244.6	61.13	248.0	72.83	252.2	73.18	259.0	73.41	265.8	73.98
	37	194.1	45.89	230.9	58.31	241.2	65.19	244.6	71.29	248.0	71.63	254.9	71.86	261.7	72.43
	39	194.1	49.41	230.0	61.64	236.9	69.14	240.3	69.82	243.7	70.19	251.5	70.38	258.3	70.95
	41	189.3	52.92	220.0	64.95	227.5	67.77	230.6	68.37	234.0	68.71	240.8	68.91	247.6	69.45
	43	184.5	56.50	210.7	64.04	218.0	66.26	221.1	66.90	224.5	67.23	231.0	67.43	237.8	67.97
46	172.9	60.73	192.1	62.50	199.1	64.17	202.0	64.69	205.0	65.02	211.4	65.22	217.6	65.72	
48	153.0	59.51	166.8	61.39	173.1	62.91	175.6	63.30	178.4	63.51	183.8	63.75	189.3	64.01	
110	10	177.7	19.99	211.8	24.39	236.5	28.95	243.3	31.33	258.7	33.72	264.7	34.66	282.6	35.23
	12	177.7	20.63	211.8	25.19	236.5	30.16	243.3	32.22	258.7	34.99	264.7	36.12	282.6	36.95
	14	177.7	21.27	211.8	26.33	236.5	31.51	243.3	33.82	258.7	36.76	264.7	37.81	282.6	38.59
	16	177.7	22.02	211.8	27.28	236.5	32.82	243.3	35.30	258.7	38.45	264.7	39.50	282.6	40.19
	18	177.7	22.84	211.8	28.42	236.5	34.71	243.3	37.17	258.7	40.56	264.7	41.37	282.6	42.14
	20	177.7	23.65	211.8	29.85	236.5	36.81	243.3	38.88	258.7	42.53	264.7	43.58	282.6	44.29
	21	177.7	24.19	211.8	30.73	236.5	37.75	243.3	39.92	258.7	43.72	264.7	44.82	282.6	45.52
	23	177.7	25.76	211.8	32.95	236.5	39.86	243.3	42.14	258.7	46.17	264.7	47.17	282.6	47.94
	25	177.7	27.52	211.8	35.16	236.5	42.11	243.3	44.55	258.7	48.79	264.7	49.49	279.2	50.50
	27	177.7	29.39	211.8	37.58	236.5	44.50	243.3	47.14	258.7	50.96	264.7	52.12	275.1	53.01
	29	177.7	31.40	211.8	40.12	236.5	47.03	243.3	49.93	258.7	53.85	264.7	54.79	271.6	55.59
	31	177.7	33.38	211.8	42.78	236.5	49.70	243.3	52.91	254.5	56.59	261.3	57.70	267.2	58.30
	33	177.7	35.60	211.8	45.53	236.5	52.51	243.3	56.06	251.0	59.75	257.0	60.75	263.8	61.09
	35	177.7	37.81	211.8	48.65	236.5	55.45	243.3	59.42	246.7	63.07	252.8	63.64	259.7	63.95
	37	177.7	40.07	211.8	51.62	236.5	58.54	239.9	62.94	242.6	66.50	249.4	66.73	255.3	66.93
	39	177.7	43.20	211.8	54.86	232.3	61.77	235.7	67.33	239.2	69.81	245.1	69.92	251.9	69.99
	41	173.1	46.33	206.4	58.08	222.3	65.13	225.8	72.83	228.7	72.83	235.5	73.41	241.2	73.98
	43	168.8	48.65	201.3	60.52	213.2	69.08	216.6	69.85	219.4	69.71	225.9	70.08	231.6	70.29
46	158.2	47.47	188.6	58.42	194.4	65.56	197.8	65.56	200.3	66.13	206.4	66.49	211.8	66.66	
48	140.0	46.10	164.0	56.29	168.8	62.37	171.9	62.78	174.2	63.10	179.7	63.27	184.3	63.51	

# 7. Capacity Tables

Cooling Capacity (82HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	155.1	18.01	184.5	21.88	214.8	25.97	229.6	28.05	244.4	30.15	270.9	33.55	276.8	33.82
	12	155.1	18.58	184.5	22.78	214.8	26.84	229.6	28.82	244.4	31.10	270.9	35.36	276.8	35.70
	14	155.1	19.16	184.5	23.69	214.8	27.98	229.6	30.06	244.4	32.45	270.9	37.34	276.8	37.68
	16	155.1	19.76	184.5	24.48	214.8	29.16	229.6	31.47	244.4	34.19	270.9	39.15	276.8	39.69
	18	155.1	20.33	184.5	25.39	214.8	30.30	229.6	33.02	244.4	36.26	270.9	41.37	276.8	41.69
	20	155.1	21.06	184.5	26.34	214.8	32.06	229.6	35.37	244.4	38.81	270.9	43.34	276.8	43.68
	21	155.1	21.50	184.5	26.97	214.8	33.16	229.6	36.60	244.4	40.23	270.9	44.32	276.8	44.68
	23	155.1	22.78	184.5	28.85	214.8	35.60	229.6	39.25	244.4	43.11	270.9	46.41	276.8	46.80
	25	155.1	24.21	184.5	30.73	214.8	38.02	229.6	42.01	244.4	46.10	270.9	48.38	274.7	48.78
	27	155.1	25.87	184.5	32.84	214.8	40.69	229.6	44.89	244.4	49.01	265.8	50.66	271.3	51.07
	29	155.1	27.52	184.5	35.03	214.8	43.45	229.6	47.97	244.4	51.87	260.7	52.71	267.2	53.14
	31	155.1	29.39	184.5	37.37	214.8	46.32	229.6	51.19	244.4	54.51	256.9	54.75	263.1	55.19
	33	155.1	31.17	184.5	39.79	214.8	49.42	229.6	54.61	244.4	56.56	252.8	56.80	259.0	57.24
	35	155.1	33.16	184.5	42.33	214.8	52.61	229.6	58.24	240.6	58.60	248.1	58.84	254.5	59.31
	37	155.1	35.53	184.5	45.42	214.8	55.73	229.6	61.02	236.7	61.33	243.5	61.57	249.4	62.14
	39	155.1	38.08	184.5	48.78	214.8	59.06	229.6	64.01	232.7	64.29	239.6	64.55	245.3	65.15
	41	152.4	40.64	181.5	52.14	211.4	62.39	220.3	67.00	225.1	67.27	230.3	67.50	237.8	68.14
	43	147.3	43.01	175.3	55.29	204.3	65.38	211.2	69.55	213.6	69.81	220.3	70.03	226.1	70.69
46	138.0	46.26	164.3	59.59	191.3	69.34	192.7	72.83	195.0	73.04	201.2	73.25	206.6	73.94	
48	122.1	39.95	145.3	51.57	165.1	59.28	167.7	61.79	169.4	62.00	174.9	62.13	179.7	62.63	
90	10	139.4	15.62	166.5	18.79	193.4	22.15	206.6	23.86	219.8	25.70	246.7	28.76	274.0	31.99
	12	139.4	15.82	166.5	19.07	193.4	22.52	206.6	24.35	219.8	26.27	246.7	29.33	274.0	32.54
	14	139.4	16.11	166.5	19.46	193.4	23.02	206.6	24.83	219.8	26.74	246.7	29.89	274.0	33.20
	16	139.4	16.39	166.5	19.84	193.4	23.48	206.6	25.30	219.8	27.23	246.7	30.46	274.0	33.77
	18	139.4	16.69	166.5	20.23	193.4	23.86	206.6	25.90	219.8	27.80	246.7	31.13	274.0	35.48
	20	139.4	16.96	166.5	20.60	193.4	24.35	206.6	26.36	219.8	28.85	246.7	33.31	274.0	37.17
	21	139.4	17.15	166.5	20.80	193.4	24.83	206.6	27.23	219.8	29.92	246.7	33.84	274.0	38.02
	23	139.4	17.55	166.5	21.67	193.4	26.56	206.6	29.24	219.8	32.03	246.7	35.91	270.2	39.81
	25	139.4	18.40	166.5	23.11	193.4	28.38	206.6	31.25	219.8	34.22	246.7	38.39	266.2	41.51
	27	139.4	19.66	166.5	24.63	193.4	30.29	206.6	33.37	219.8	36.62	246.7	40.81	262.4	43.46
	29	139.4	20.80	166.5	26.27	193.4	32.40	206.6	35.66	219.8	39.11	246.7	43.23	258.3	45.20
	31	139.4	22.15	166.5	28.00	193.4	34.52	206.6	37.97	219.8	41.70	246.7	45.40	254.5	46.97
	33	139.4	23.59	166.5	29.81	193.4	36.82	206.6	40.45	219.8	44.23	246.7	47.58	250.5	48.72
	35	139.4	25.03	166.5	31.64	193.4	39.11	206.6	43.14	219.8	46.91	242.6	50.32	246.7	51.47
	37	139.4	26.56	166.5	33.65	193.4	41.72	206.6	45.83	219.8	49.52	238.7	52.60	242.8	53.77
	39	139.4	28.12	166.5	35.78	193.4	44.13	206.6	48.78	219.8	52.06	234.8	55.46	238.9	56.12
	41	135.9	31.46	162.2	39.67	188.6	48.45	201.3	53.34	214.2	56.22	224.9	58.44	228.9	59.78
	43	132.5	33.97	158.1	42.89	183.8	52.93	196.4	57.43	208.8	60.27	215.7	62.59	219.6	63.33
46	124.1	38.23	148.3	48.83	172.2	60.31	184.1	65.13	189.7	66.97	196.8	68.69	200.6	68.79	
48	109.8	33.40	131.2	42.72	152.4	52.76	162.7	56.81	164.7	57.70	171.1	59.14	174.3	59.21	
80	10	123.7	13.09	147.6	15.72	171.5	18.45	183.8	19.92	196.1	21.37	219.8	24.37	243.5	26.46
	12	123.7	13.36	147.6	15.92	171.5	18.82	183.8	20.27	196.1	21.74	219.8	24.81	243.5	26.99
	14	123.7	13.54	147.6	16.29	171.5	19.09	183.8	20.63	196.1	22.09	219.8	25.28	243.5	27.51
	16	123.7	13.73	147.6	16.56	171.5	19.45	183.8	21.01	196.1	22.55	219.8	25.81	243.5	28.03
	18	123.7	14.00	147.6	16.83	171.5	19.83	183.8	21.37	196.1	22.99	219.8	26.28	243.5	28.64
	20	123.7	14.27	147.6	17.20	171.5	20.27	183.8	21.81	196.1	23.46	219.8	27.27	243.5	30.33
	21	123.7	14.37	147.6	17.36	171.5	20.47	183.8	22.09	196.1	24.00	219.8	28.14	243.5	31.14
	23	123.7	14.64	147.6	17.63	171.5	21.37	183.8	23.46	196.1	25.65	219.8	29.72	243.5	32.69
	25	123.7	15.18	147.6	18.82	171.5	22.92	183.8	25.10	196.1	27.46	219.8	31.80	243.5	34.94
	27	123.7	16.09	147.6	20.00	171.5	24.47	183.8	26.83	196.1	29.28	219.8	33.79	243.5	36.78
	29	123.7	17.10	147.6	21.37	171.5	26.01	183.8	28.55	196.1	31.28	219.8	36.19	243.5	39.35
	31	123.7	18.18	147.6	22.65	171.5	27.74	183.8	30.46	196.1	33.28	219.8	38.41	243.5	41.33
	33	123.7	19.28	147.6	24.19	171.5	29.55	183.8	32.45	196.1	35.45	219.8	40.46	243.5	43.33
	35	123.7	20.47	147.6	25.65	171.5	31.47	183.8	34.54	196.1	37.83	219.8	42.92	240.9	44.90
	37	123.7	21.65	147.6	27.26	171.5	33.36	183.8	36.73	196.1	40.19	219.8	45.30	237.1	46.96
	39	123.7	22.86	147.6	28.81	171.5	35.69	183.8	39.49	196.1	43.19	219.8	47.86	233.1	49.52
	41	120.7	25.31	143.8	31.94	167.0	39.18	179.0	43.28	190.9	47.46	214.2	53.25	223.4	54.89
	43	117.6	27.85	140.3	34.85	162.9	42.76	174.5	47.19	186.3	51.87	208.8	56.98	214.2	58.77
46	110.3	30.99	131.5	39.25	152.6	48.17	163.6	52.51	174.5	58.53	190.9	62.20	195.4	63.18	
48	97.7	27.06	116.2	34.33	135.0	42.14	144.8	45.87	154.4	51.23	165.8	53.83	169.9	54.39	

# 7. Capacity Tables

Cooling Capacity (82HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	108.2	11.50	129.6	13.66	150.1	15.85	160.6	17.11	171.5	18.29	192.0	20.83	213.2	23.30
	12	108.2	11.67	129.6	13.86	150.1	16.21	160.6	17.38	171.5	18.66	192.0	21.18	213.2	23.73
	14	108.2	11.87	129.6	14.04	150.1	16.48	160.6	17.65	171.5	18.94	192.0	21.65	213.2	24.18
	16	108.2	12.04	129.6	14.31	150.1	16.75	160.6	18.02	171.5	19.28	192.0	22.01	213.2	24.69
	18	108.2	12.21	129.6	14.58	150.1	17.11	160.6	18.37	171.5	19.65	192.0	22.36	213.2	25.13
	20	108.2	12.41	129.6	14.85	150.1	17.38	160.6	18.74	171.5	20.09	192.0	22.90	213.2	26.08
	21	108.2	12.58	129.6	14.94	150.1	17.56	160.6	18.94	171.5	20.29	192.0	23.27	213.2	26.62
	23	108.2	12.78	129.6	15.29	150.1	17.93	160.6	19.55	171.5	21.27	192.0	24.90	213.2	28.11
	25	108.2	12.95	129.6	15.85	150.1	19.10	160.6	20.91	171.5	22.73	192.0	26.62	213.2	29.49
	27	108.2	13.66	129.6	16.94	150.1	20.36	160.6	22.19	171.5	24.27	192.0	28.44	213.2	31.32
	29	108.2	14.58	129.6	17.93	150.1	21.65	160.6	23.64	171.5	25.80	192.0	30.34	213.2	33.55
	31	108.2	15.49	129.6	19.10	150.1	23.09	160.6	25.26	171.5	27.52	192.0	32.33	213.2	35.62
	33	108.2	16.39	129.6	20.19	150.1	24.54	160.6	26.79	171.5	29.25	192.0	34.40	213.2	37.91
	35	108.2	17.29	129.6	21.54	150.1	26.08	160.6	28.51	171.5	31.15	192.0	36.66	213.2	40.21
	37	108.2	18.37	129.6	22.83	150.1	27.70	160.6	30.34	171.5	33.14	192.0	39.03	213.2	42.44
	39	108.2	19.51	129.6	24.34	150.1	29.62	160.6	32.64	171.5	35.81	192.0	41.77	213.2	45.76
	41	105.5	21.58	126.2	26.66	146.2	32.50	156.5	35.79	167.0	38.92	187.0	45.86	207.7	49.35
	43	102.9	23.50	123.0	29.05	142.6	35.45	152.8	39.03	162.9	42.51	182.4	50.12	202.6	53.36
46	96.4	26.10	115.5	32.67	133.7	39.94	143.1	43.48	152.6	47.91	170.8	56.51	189.9	59.46	
48	85.4	22.78	102.1	28.54	118.2	34.90	126.7	37.98	135.0	41.90	151.1	49.47	168.1	51.47	
60	10	92.7	9.92	110.7	11.62	128.7	13.53	137.8	14.51	146.9	15.43	164.7	17.50	182.9	19.57
	12	92.7	10.10	110.7	11.82	128.7	13.70	137.8	14.71	146.9	15.70	164.7	17.77	182.9	19.92
	14	92.7	10.19	110.7	12.00	128.7	13.97	137.8	14.96	146.9	15.97	164.7	18.11	182.9	20.28
	16	92.7	10.37	110.7	12.27	128.7	14.16	137.8	15.23	146.9	16.31	164.7	18.49	182.9	20.66
	18	92.7	10.54	110.7	12.43	128.7	14.43	137.8	15.50	146.9	16.58	164.7	18.76	182.9	21.10
	20	92.7	10.74	110.7	12.61	128.7	14.71	137.8	15.77	146.9	16.85	164.7	19.13	182.9	21.54
	21	92.7	10.81	110.7	12.71	128.7	14.88	137.8	15.97	146.9	17.03	164.7	19.38	182.9	21.72
	23	92.7	11.01	110.7	12.99	128.7	15.05	137.8	16.24	146.9	17.40	164.7	20.12	182.9	23.08
	25	92.7	11.18	110.7	13.26	128.7	15.70	137.8	17.03	146.9	18.49	164.7	21.47	182.9	24.70
	27	92.7	11.55	110.7	13.97	128.7	16.69	137.8	18.11	146.9	19.65	164.7	22.80	182.9	26.33
	29	92.7	12.27	110.7	14.88	128.7	17.77	137.8	19.30	146.9	20.93	164.7	24.34	182.9	28.13
	31	92.7	12.99	110.7	15.77	128.7	18.85	137.8	20.55	146.9	22.26	164.7	25.96	182.9	29.93
	33	92.7	13.70	110.7	16.69	128.7	20.01	137.8	21.81	146.9	23.71	164.7	27.59	182.9	31.91
	35	92.7	14.51	110.7	17.77	128.7	21.27	137.8	23.17	146.9	25.15	164.7	29.39	182.9	33.90
	37	92.7	15.32	110.7	18.75	128.7	22.53	137.8	24.61	146.9	26.68	164.7	31.19	182.9	36.06
	39	92.7	16.31	110.7	19.95	128.7	24.32	137.8	26.41	146.9	28.72	164.7	33.45	182.9	38.64
	41	90.2	17.68	107.9	21.85	125.5	26.43	134.2	28.85	143.1	31.16	160.6	36.70	178.3	42.00
	43	88.1	19.20	105.2	23.78	122.3	28.81	130.9	31.43	139.4	34.01	156.5	40.07	173.8	45.88
46	82.6	21.51	98.7	26.70	114.8	32.39	122.7	35.34	130.8	38.25	146.9	45.16	162.9	52.27	
48	73.1	18.75	87.2	23.31	101.4	28.31	108.6	30.85	115.5	33.43	129.8	39.49	144.2	45.74	
50	10	77.5	8.54	92.7	9.87	107.3	11.23	114.8	12.02	122.3	13.02	136.9	14.37	152.4	15.98
	12	77.5	8.61	92.7	9.97	107.3	11.41	114.8	12.22	122.3	13.02	136.9	14.64	152.4	16.25
	14	77.5	8.71	92.7	10.14	107.3	11.57	114.8	12.39	122.3	13.20	136.9	14.82	152.4	16.52
	16	77.5	8.88	92.7	10.32	107.3	11.75	114.8	12.66	122.3	13.38	136.9	15.09	152.4	16.79
	18	77.5	8.98	92.7	10.41	107.3	11.95	114.8	12.84	122.3	13.65	136.9	15.36	152.4	17.14
	20	77.5	9.07	92.7	10.59	107.3	12.22	114.8	13.02	122.3	13.93	136.9	15.63	152.4	17.52
	21	77.5	9.16	92.7	10.68	107.3	12.30	114.8	13.20	122.3	14.00	136.9	15.81	152.4	17.68
	23	77.5	9.32	92.7	10.86	107.3	12.49	114.8	13.38	122.3	14.27	136.9	16.08	152.4	18.06
	25	77.5	9.43	92.7	11.04	107.3	12.74	114.8	13.65	122.3	14.72	136.9	16.87	152.4	19.30
	27	77.5	9.60	92.7	11.41	107.3	13.46	114.8	14.54	122.3	15.63	136.9	18.06	152.4	20.56
	29	77.5	10.14	92.7	12.12	107.3	14.27	114.8	15.43	122.3	16.60	136.9	19.12	152.4	21.82
	31	77.5	10.68	92.7	12.84	107.3	15.16	114.8	16.34	122.3	17.68	136.9	20.38	152.4	23.25
	33	77.5	11.30	92.7	13.56	107.3	16.08	114.8	17.34	122.3	18.77	136.9	21.64	152.4	24.79
	35	77.5	11.95	92.7	14.37	107.3	16.97	114.8	18.41	122.3	19.84	136.9	22.90	152.4	26.30
	37	77.5	12.66	92.7	15.16	107.3	17.96	114.8	19.49	122.3	21.00	136.9	24.41	152.4	27.93
	39	77.5	13.49	92.7	16.26	107.3	19.23	114.8	20.97	122.3	22.54	136.9	26.02	152.4	30.16
	41	75.5	14.61	90.2	17.61	104.6	21.04	111.8	22.71	118.9	24.42	133.5	28.51	148.6	32.75
	43	73.8	15.87	88.1	19.15	102.1	22.88	109.1	24.72	116.2	26.60	130.1	31.10	144.9	35.72
46	69.0	17.79	82.6	21.47	95.7	25.68	102.2	27.76	108.7	29.85	121.9	35.00	135.9	40.22	
48	61.1	15.49	73.1	18.74	84.7	22.40	90.5	24.24	96.3	26.06	107.9	30.56	120.2	35.16	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

◆ ARUN840BTE5

Cooling Capacity (84HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	214.9	25.57	256.2	31.23	274.4	36.23	282.4	36.99	290.2	37.27	304.2	37.58	312.2	37.72
	12	214.9	26.20	256.2	32.34	274.4	37.72	282.4	37.97	290.2	38.28	304.2	38.59	312.2	38.93
	14	214.9	27.07	256.2	33.52	274.4	39.14	282.4	39.42	290.2	39.74	304.2	40.08	312.2	40.43
	16	214.9	28.07	256.2	34.70	274.4	40.91	282.4	41.29	290.2	41.61	304.2	41.99	312.2	42.30
	18	214.9	29.25	256.2	36.71	274.4	42.79	282.4	43.69	290.2	44.04	304.2	44.49	312.2	44.80
	20	214.9	30.54	256.2	39.11	274.4	44.90	282.4	48.06	290.2	48.45	299.9	48.93	307.7	49.28
	21	214.9	31.34	256.2	40.46	274.4	45.84	282.4	50.87	290.2	51.29	298.2	51.78	305.9	52.16
	23	214.9	33.62	256.2	42.58	274.4	48.20	282.4	56.15	286.6	56.60	293.7	57.15	301.7	57.54
	25	214.9	35.91	256.2	45.04	274.4	51.53	279.0	62.26	282.4	62.74	290.2	63.37	298.2	63.82
	27	214.9	38.42	256.2	48.13	270.9	54.90	274.4	68.54	279.0	69.09	286.6	69.78	293.7	70.24
	29	214.9	40.95	256.2	51.46	266.7	59.06	270.5	75.34	274.4	75.79	282.4	76.45	290.2	76.76
	31	214.9	43.69	255.2	54.20	262.2	62.81	266.7	74.99	270.5	75.44	277.9	76.14	285.9	76.45
	33	214.9	46.54	250.9	57.43	258.7	67.39	262.9	74.33	266.7	74.78	274.4	75.44	281.4	75.72
	35	214.9	49.62	246.4	60.14	254.4	72.98	258.7	73.36	262.9	73.78	270.2	74.44	277.9	74.75
	37	214.9	52.92	242.9	63.12	250.9	72.01	254.4	72.39	258.7	72.81	265.7	73.46	273.7	73.74
	39	214.9	56.35	238.7	66.45	246.4	71.07	250.9	71.42	254.4	71.83	262.2	72.49	270.2	72.77
	41	209.6	59.79	228.9	69.75	236.6	70.10	240.1	70.45	244.7	70.86	252.0	71.49	259.0	71.80
	43	204.4	63.05	219.1	68.78	226.8	69.13	230.3	69.47	234.9	69.89	242.2	70.52	248.8	70.79
46	191.5	67.49	199.9	67.35	207.2	67.67	210.4	68.02	214.9	68.43	221.6	69.06	227.8	69.30	
48	169.4	65.59	173.6	65.80	180.2	65.93	183.0	66.11	186.9	66.70	192.9	67.11	198.4	67.36	
120	10	198.8	23.01	236.6	28.21	258.3	33.49	266.3	36.20	274.1	36.78	289.1	36.92	296.1	37.23
	12	198.8	23.63	236.6	29.15	258.3	34.84	266.3	36.96	274.1	38.14	289.1	38.62	296.1	38.90
	14	198.8	24.43	236.6	30.15	258.3	36.26	266.3	38.38	274.1	39.53	289.1	40.12	296.1	40.46
	16	198.8	25.30	236.6	31.37	258.3	37.65	266.3	39.80	274.1	41.37	289.1	41.88	296.1	42.20
	18	198.8	26.30	236.6	32.79	258.3	39.18	266.3	41.92	274.1	43.48	289.1	44.00	296.1	44.35
	20	198.8	27.31	236.6	34.77	258.3	41.26	266.3	44.11	274.1	45.81	289.1	46.40	296.1	46.78
	21	198.8	28.14	236.6	36.02	258.3	42.44	266.3	45.39	274.1	47.30	289.1	47.89	296.1	48.27
	23	198.8	30.08	236.6	38.52	258.3	45.46	266.3	48.24	274.1	50.42	289.1	50.94	296.1	51.36
	25	198.8	32.13	236.6	41.26	258.3	47.96	266.3	51.43	274.1	54.07	285.6	54.52	292.6	54.97
	27	198.8	34.29	236.6	44.14	258.3	51.04	266.3	54.93	274.1	58.12	281.1	58.51	288.4	58.99
	29	198.8	36.58	236.6	47.09	258.3	53.72	266.3	58.79	269.8	61.94	276.8	62.88	284.6	63.37
	31	198.8	39.00	236.6	50.32	258.3	56.49	262.8	62.99	266.3	66.45	273.3	67.63	280.3	68.16
	33	198.8	41.50	236.6	53.62	254.8	59.76	258.3	68.36	261.8	71.35	268.8	72.15	275.8	72.73
	35	198.8	44.14	236.6	57.16	250.6	63.23	254.1	75.34	258.3	75.69	265.3	75.93	272.3	76.52
	37	198.8	47.47	236.6	60.31	247.1	67.43	250.6	73.74	254.1	74.09	261.1	74.33	268.1	74.92
	39	198.8	51.11	235.6	63.75	242.6	71.52	246.1	72.22	249.6	72.60	257.6	72.80	264.6	73.39
	41	193.9	54.73	225.4	67.18	233.1	70.10	236.2	70.72	239.7	71.07	246.7	71.28	253.7	71.83
	43	189.0	58.44	215.9	66.24	223.3	68.54	226.5	69.20	230.0	69.54	236.6	69.75	243.6	70.31
46	177.1	62.81	196.7	64.65	204.0	66.38	206.9	66.91	210.0	67.25	216.6	67.46	222.9	67.98	
48	156.8	61.56	170.8	63.50	177.4	65.07	179.9	65.48	182.7	65.69	188.3	65.94	193.9	66.21	
110	10	182.0	20.68	217.0	25.23	242.2	29.95	249.2	32.41	265.0	34.88	271.2	35.85	289.5	36.44
	12	182.0	21.34	217.0	26.06	242.2	31.20	249.2	33.32	265.0	36.19	271.2	37.37	289.5	38.21
	14	182.0	22.00	217.0	27.24	242.2	32.59	249.2	34.98	265.0	38.03	271.2	39.11	289.5	39.91
	16	182.0	22.77	217.0	28.21	242.2	33.94	249.2	36.51	265.0	39.77	271.2	40.85	289.5	41.57
	18	182.0	23.63	217.0	29.39	242.2	35.91	249.2	38.45	265.0	41.95	271.2	42.79	289.5	43.59
	20	182.0	24.46	217.0	30.88	242.2	38.07	249.2	40.22	265.0	44.00	271.2	45.08	289.5	45.81
	21	182.0	25.02	217.0	31.79	242.2	39.04	249.2	41.29	265.0	45.22	271.2	46.36	289.5	47.09
	23	182.0	26.65	217.0	34.08	242.2	41.23	249.2	43.59	265.0	47.75	271.2	48.79	289.5	49.59
	25	182.0	28.46	217.0	36.37	242.2	43.55	249.2	46.08	265.0	50.46	271.2	51.19	286.0	52.23
	27	182.0	30.40	217.0	38.87	242.2	46.02	249.2	48.76	265.0	52.71	271.2	53.92	281.8	54.83
	29	182.0	32.48	217.0	41.50	242.2	48.65	249.2	51.64	265.0	55.70	271.2	56.67	278.2	57.50
	31	182.0	34.53	217.0	44.25	242.2	51.40	249.2	54.73	260.7	58.54	267.7	59.69	273.7	60.31
	33	182.0	36.82	217.0	47.09	242.2	54.31	249.2	57.99	257.2	61.80	263.2	62.84	270.2	63.19
	35	182.0	39.11	217.0	50.32	242.2	57.36	249.2	61.46	252.7	65.24	259.0	65.83	266.0	66.14
	37	182.0	41.44	217.0	53.40	242.2	60.55	245.7	65.10	248.5	68.78	255.5	69.02	261.5	69.23
	39	182.0	44.69	217.0	56.74	238.0	63.89	241.5	69.65	245.0	72.21	251.0	72.32	258.0	72.39
	41	177.4	47.92	211.4	60.07	227.8	67.36	231.3	75.34	234.2	75.34	241.2	75.93	247.1	76.52
	43	172.9	50.32	206.2	62.60	218.4	71.45	221.9	72.25	224.7	72.11	231.4	72.49	237.3	72.70
46	162.1	49.10	193.2	60.42	199.1	67.81	202.6	67.81	205.1	68.40	211.4	68.78	217.0	68.95	
48	143.5	47.68	168.0	58.23	172.9	64.51	176.1	64.93	178.5	65.27	184.1	65.45	188.7	65.69	

# 7. Capacity Tables

Cooling Capacity (84HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	158.9	18.63	189.0	22.63	220.1	26.86	235.2	29.01	250.3	31.19	277.5	34.70	283.5	34.98
	12	158.9	19.22	189.0	23.56	220.1	27.76	235.2	29.81	250.3	32.17	277.5	36.58	283.5	36.92
	14	158.9	19.82	189.0	24.50	220.1	28.94	235.2	31.09	250.3	33.56	277.5	38.62	283.5	38.97
	16	158.9	20.44	189.0	25.33	220.1	30.16	235.2	32.55	250.3	35.36	277.5	40.50	283.5	41.05
	18	158.9	21.03	189.0	26.27	220.1	31.34	235.2	34.15	250.3	37.51	277.5	42.79	283.5	43.13
	20	158.9	21.79	189.0	27.24	220.1	33.17	235.2	36.58	250.3	40.15	277.5	44.83	283.5	45.18
	21	158.9	22.24	189.0	27.90	220.1	34.29	235.2	37.86	250.3	41.61	277.5	45.84	283.5	46.22
	23	158.9	23.56	189.0	29.84	220.1	36.82	235.2	40.60	250.3	44.59	277.5	48.00	283.5	48.41
	25	158.9	25.05	189.0	31.79	220.1	39.32	235.2	43.45	250.3	47.68	277.5	50.04	281.4	50.46
	27	158.9	26.76	189.0	33.97	220.1	42.09	235.2	46.43	250.3	50.70	272.3	52.40	277.9	52.82
	29	158.9	28.46	189.0	36.23	220.1	44.94	235.2	49.62	250.3	53.65	267.1	54.52	273.7	54.97
	31	158.9	30.40	189.0	38.66	220.1	47.92	235.2	52.95	250.3	56.39	263.2	56.63	269.5	57.09
	33	158.9	32.24	189.0	41.16	220.1	51.12	235.2	56.49	250.3	58.51	259.0	58.75	265.3	59.20
	35	158.9	34.29	189.0	43.79	220.1	54.41	235.2	60.24	246.4	60.62	254.1	60.87	260.7	61.35
	37	158.9	36.75	189.0	46.98	220.1	57.64	235.2	63.12	242.5	63.44	249.5	63.68	255.5	64.27
	39	158.9	39.39	189.0	50.46	220.1	61.08	235.2	66.21	238.4	66.49	245.4	66.77	251.3	67.39
	41	156.1	42.03	185.9	53.93	216.6	64.54	225.7	69.30	230.6	69.58	235.9	69.82	243.6	70.48
	43	150.9	44.49	179.6	57.19	209.3	67.63	216.3	71.94	218.8	72.21	225.7	72.43	231.7	73.12
46	141.4	47.85	168.3	61.63	196.0	71.73	197.4	75.34	199.8	75.55	206.1	75.76	211.7	76.48	
48	125.0	41.33	148.8	53.34	169.1	61.32	171.8	63.92	173.6	64.13	179.2	64.27	184.1	64.79	
90	10	142.8	16.15	170.5	19.44	198.1	22.91	211.7	24.68	225.1	26.58	252.7	29.74	280.7	33.09
	12	142.8	16.36	170.5	19.72	198.1	23.29	211.7	25.19	225.1	27.17	252.7	30.33	280.7	33.65
	14	142.8	16.67	170.5	20.13	198.1	23.81	211.7	25.68	225.1	27.66	252.7	30.91	280.7	34.34
	16	142.8	16.95	170.5	20.52	198.1	24.29	211.7	26.17	225.1	28.17	252.7	31.50	280.7	34.93
	18	142.8	17.26	170.5	20.93	198.1	24.68	211.7	26.79	225.1	28.76	252.7	32.20	280.7	36.70
	20	142.8	17.54	170.5	21.31	198.1	25.19	211.7	27.27	225.1	29.84	252.7	34.45	280.7	38.44
	21	142.8	17.74	170.5	21.52	198.1	25.68	211.7	28.17	225.1	30.95	252.7	35.00	280.7	39.33
	23	142.8	18.16	170.5	22.42	198.1	27.48	211.7	30.25	225.1	33.13	252.7	37.15	276.8	41.17
	25	142.8	19.03	170.5	23.91	198.1	29.35	211.7	32.33	225.1	35.39	252.7	39.71	272.7	42.94
	27	142.8	20.34	170.5	25.47	198.1	31.33	211.7	34.52	225.1	37.88	252.7	42.21	268.8	44.95
	29	142.8	21.52	170.5	27.17	198.1	33.51	211.7	36.88	225.1	40.45	252.7	44.71	264.6	46.75
	31	142.8	22.91	170.5	28.97	198.1	35.70	211.7	39.27	225.1	43.14	252.7	46.96	260.7	48.59
	33	142.8	24.40	170.5	30.84	198.1	38.09	211.7	41.83	225.1	45.75	252.7	49.21	256.6	50.39
	35	142.8	25.89	170.5	32.72	198.1	40.45	211.7	44.63	225.1	48.52	248.5	52.05	252.7	53.23
	37	142.8	27.48	170.5	34.80	198.1	43.15	211.7	47.41	225.1	51.22	244.6	54.41	248.8	55.62
	39	142.8	29.08	170.5	37.01	198.1	45.64	211.7	50.46	225.1	53.85	240.5	57.36	244.7	58.05
	41	139.3	32.54	166.2	41.03	193.2	50.11	206.2	55.17	219.4	58.15	230.3	60.44	234.5	61.83
	43	135.8	35.14	162.0	44.36	188.3	54.75	201.2	59.40	213.9	62.34	220.9	64.74	225.0	65.50
46	127.1	39.54	151.9	50.50	176.4	62.38	188.6	67.37	194.3	69.27	201.6	71.05	205.5	71.15	
48	112.4	34.55	134.4	44.19	156.1	54.58	166.6	58.77	168.7	59.68	175.3	61.17	178.5	61.24	
80	10	126.7	13.54	151.2	16.26	175.7	19.08	188.3	20.61	200.9	22.11	225.1	25.21	249.5	27.37
	12	126.7	13.82	151.2	16.47	175.7	19.46	188.3	20.96	200.9	22.49	225.1	25.66	249.5	27.92
	14	126.7	14.00	151.2	16.85	175.7	19.74	188.3	21.34	200.9	22.84	225.1	26.15	249.5	28.45
	16	126.7	14.20	151.2	17.13	175.7	20.12	188.3	21.73	200.9	23.33	225.1	26.70	249.5	29.00
	18	126.7	14.48	151.2	17.41	175.7	20.51	188.3	22.11	200.9	23.78	225.1	27.19	249.5	29.63
	20	126.7	14.76	151.2	17.79	175.7	20.96	188.3	22.56	200.9	24.27	225.1	28.20	249.5	31.37
	21	126.7	14.87	151.2	17.96	175.7	21.17	188.3	22.84	200.9	24.82	225.1	29.11	249.5	32.21
	23	126.7	15.14	151.2	18.24	175.7	22.11	188.3	24.27	200.9	26.53	225.1	30.74	249.5	33.81
	25	126.7	15.70	151.2	19.46	175.7	23.71	188.3	25.97	200.9	28.41	225.1	32.90	249.5	36.14
	27	126.7	16.64	151.2	20.68	175.7	25.31	188.3	27.75	200.9	30.29	225.1	34.95	249.5	38.05
	29	126.7	17.69	151.2	22.11	175.7	26.91	188.3	29.53	200.9	32.35	225.1	37.43	249.5	40.70
	31	126.7	18.80	151.2	23.43	175.7	28.69	188.3	31.51	200.9	34.43	225.1	39.73	249.5	42.75
	33	126.7	19.95	151.2	25.03	175.7	30.57	188.3	33.56	200.9	36.66	225.1	41.85	249.5	44.81
	35	126.7	21.17	151.2	26.53	175.7	32.55	188.3	35.72	200.9	39.13	225.1	44.39	246.8	46.44
	37	126.7	22.39	151.2	28.20	175.7	34.50	188.3	37.99	200.9	41.57	225.1	46.86	242.9	48.57
	39	126.7	23.64	151.2	29.80	175.7	36.91	188.3	40.84	200.9	44.67	225.1	49.51	238.7	51.22
	41	123.6	26.18	147.3	33.04	171.1	40.53	183.4	44.77	195.6	49.09	219.4	55.08	228.9	56.78
	43	120.4	28.80	143.8	36.04	166.9	44.22	178.8	48.81	190.8	53.65	213.9	58.94	219.4	60.79
46	113.0	32.06	134.7	40.60	156.4	49.82	167.6	54.31	178.8	60.54	195.6	64.34	200.2	65.35	
48	100.1	27.99	119.0	35.51	138.3	43.59	148.4	47.45	158.2	52.99	169.8	55.67	174.0	56.26	



# 7. Capacity Tables

Cooling Capacity (84HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	110.9	11.89	132.7	14.13	153.7	16.40	164.5	17.70	175.7	18.92	196.7	21.55	218.4	24.10
	12	110.9	12.07	132.7	14.34	153.7	16.76	164.5	17.98	175.7	19.31	196.7	21.90	218.4	24.55
	14	110.9	12.28	132.7	14.52	153.7	17.04	164.5	18.26	175.7	19.59	196.7	22.39	218.4	25.01
	16	110.9	12.45	132.7	14.80	153.7	17.32	164.5	18.64	175.7	19.94	196.7	22.77	218.4	25.54
	18	110.9	12.63	132.7	15.08	153.7	17.70	164.5	19.00	175.7	20.32	196.7	23.12	218.4	25.99
	20	110.9	12.84	132.7	15.36	153.7	17.98	164.5	19.38	175.7	20.78	196.7	23.68	218.4	26.97
	21	110.9	13.01	132.7	15.46	153.7	18.16	164.5	19.59	175.7	20.99	196.7	24.07	218.4	27.53
	23	110.9	13.22	132.7	15.81	153.7	18.54	164.5	20.22	175.7	22.00	196.7	25.75	218.4	29.07
	25	110.9	13.40	132.7	16.40	153.7	19.76	164.5	21.62	175.7	23.51	196.7	27.53	218.4	30.50
	27	110.9	14.13	132.7	17.52	153.7	21.06	164.5	22.95	175.7	25.11	196.7	29.42	218.4	32.39
	29	110.9	15.08	132.7	18.54	153.7	22.39	164.5	24.45	175.7	26.69	196.7	31.38	218.4	34.70
	31	110.9	16.02	132.7	19.76	153.7	23.89	164.5	26.13	175.7	28.47	196.7	33.44	218.4	36.84
	33	110.9	16.96	132.7	20.88	153.7	25.39	164.5	27.71	175.7	30.26	196.7	35.58	218.4	39.21
	35	110.9	17.88	132.7	22.28	153.7	26.97	164.5	29.49	175.7	32.22	196.7	37.92	218.4	41.59
	37	110.9	19.00	132.7	23.61	153.7	28.65	164.5	31.38	175.7	34.28	196.7	40.37	218.4	43.90
	39	110.9	20.18	132.7	25.18	153.7	30.64	164.5	33.76	175.7	37.04	196.7	43.20	218.4	47.33
	41	108.1	22.32	129.2	27.57	149.8	33.62	160.3	37.01	171.1	40.26	191.5	47.43	212.8	51.04
	43	105.4	24.31	126.0	30.05	146.0	36.66	156.5	40.37	166.9	43.97	186.9	51.84	207.5	55.20
46	98.7	27.00	118.3	33.79	136.9	41.31	146.6	44.98	156.4	49.56	175.0	58.45	194.6	61.50	
48	87.5	23.57	104.6	29.52	121.1	36.10	129.8	39.28	138.3	43.34	154.7	51.17	172.2	53.24	
60	10	94.9	10.26	113.4	12.02	131.9	13.99	141.1	15.01	150.5	15.96	168.7	18.10	187.3	20.24
	12	94.9	10.44	113.4	12.23	131.9	14.17	141.1	15.22	150.5	16.24	168.7	18.38	187.3	20.60
	14	94.9	10.54	113.4	12.41	131.9	14.45	141.1	15.47	150.5	16.52	168.7	18.73	187.3	20.98
	16	94.9	10.72	113.4	12.69	131.9	14.65	141.1	15.75	150.5	16.87	168.7	19.12	187.3	21.37
	18	94.9	10.90	113.4	12.86	131.9	14.93	141.1	16.03	150.5	17.15	168.7	19.40	187.3	21.83
	20	94.9	11.11	113.4	13.04	131.9	15.22	141.1	16.31	150.5	17.43	168.7	19.79	187.3	22.28
	21	94.9	11.18	113.4	13.15	131.9	15.39	141.1	16.52	150.5	17.61	168.7	20.04	187.3	22.46
	23	94.9	11.39	113.4	13.43	131.9	15.57	141.1	16.80	150.5	18.00	168.7	20.81	187.3	23.87
	25	94.9	11.56	113.4	13.71	131.9	16.24	141.1	17.61	150.5	19.12	168.7	22.21	187.3	25.55
	27	94.9	11.95	113.4	14.45	131.9	17.26	141.1	18.73	150.5	20.32	168.7	23.58	187.3	27.24
	29	94.9	12.69	113.4	15.39	131.9	18.38	141.1	19.96	150.5	21.65	168.7	25.17	187.3	29.10
	31	94.9	13.43	113.4	16.31	131.9	19.50	141.1	21.26	150.5	23.02	168.7	26.85	187.3	30.96
	33	94.9	14.17	113.4	17.26	131.9	20.70	141.1	22.56	150.5	24.53	168.7	28.54	187.3	33.00
	35	94.9	15.01	113.4	18.38	131.9	22.00	141.1	23.97	150.5	26.01	168.7	30.40	187.3	35.07
	37	94.9	15.85	113.4	19.40	131.9	23.30	141.1	25.45	150.5	27.59	168.7	32.26	187.3	37.29
	39	94.9	16.87	113.4	20.63	131.9	25.16	141.1	27.31	150.5	29.70	168.7	34.59	187.3	39.96
	41	92.4	18.28	110.6	22.60	128.5	27.34	137.5	29.84	146.6	32.23	164.5	37.96	182.7	43.44
	43	90.3	19.86	107.8	24.60	125.3	29.80	134.1	32.51	142.8	35.18	160.3	41.44	178.1	47.45
46	84.7	22.25	101.1	27.62	117.6	33.50	125.7	36.55	134.0	39.57	150.5	46.71	166.9	54.06	
48	74.9	19.40	89.3	24.11	103.9	29.28	111.3	31.91	118.3	34.58	133.0	40.84	147.7	47.31	
50	10	79.4	8.83	94.9	10.21	109.9	11.62	117.6	12.43	125.3	13.17	140.3	14.87	156.1	16.53
	12	79.4	8.90	94.9	10.31	109.9	11.80	117.6	12.64	125.3	13.46	140.3	15.15	156.1	16.81
	14	79.4	9.01	94.9	10.49	109.9	11.97	117.6	12.82	125.3	13.66	140.3	15.33	156.1	17.09
	16	79.4	9.18	94.9	10.67	109.9	12.15	117.6	13.10	125.3	13.84	140.3	15.61	156.1	17.37
	18	79.4	9.29	94.9	10.77	109.9	12.36	117.6	13.28	125.3	14.12	140.3	15.89	156.1	17.73
	20	79.4	9.39	94.9	10.95	109.9	12.64	117.6	13.46	125.3	14.41	140.3	16.17	156.1	18.12
	21	79.4	9.47	94.9	11.05	109.9	12.72	117.6	13.66	125.3	14.48	140.3	16.35	156.1	18.29
	23	79.4	9.64	94.9	11.23	109.9	12.92	117.6	13.84	125.3	14.76	140.3	16.63	156.1	18.68
	25	79.4	9.75	94.9	11.41	109.9	13.17	117.6	14.12	125.3	15.22	140.3	17.45	156.1	19.96
	27	79.4	9.93	94.9	11.80	109.9	13.92	117.6	15.04	125.3	16.17	140.3	18.68	156.1	21.26
	29	79.4	10.49	94.9	12.54	109.9	14.76	117.6	15.96	125.3	17.17	140.3	19.78	156.1	22.57
	31	79.4	11.05	94.9	13.28	109.9	15.68	117.6	16.91	125.3	18.29	140.3	21.08	156.1	24.05
	33	79.4	11.69	94.9	14.02	109.9	16.63	117.6	17.94	125.3	19.42	140.3	22.39	156.1	25.64
	35	79.4	12.36	94.9	14.87	109.9	17.55	117.6	19.04	125.3	20.52	140.3	23.69	156.1	27.20
	37	79.4	13.10	94.9	15.68	109.9	18.58	117.6	20.16	125.3	21.72	140.3	25.25	156.1	28.89
	39	79.4	13.95	94.9	16.81	109.9	19.89	117.6	21.69	125.3	23.31	140.3	26.91	156.1	31.19
	41	77.3	15.11	92.4	18.22	107.1	21.76	114.5	23.49	121.8	25.25	136.8	29.49	152.2	33.87
	43	75.6	16.42	90.3	19.81	104.6	23.66	111.7	25.57	119.0	27.51	133.3	32.17	148.4	36.94
46	70.7	18.40	84.7	22.21	98.0	26.56	104.7	28.71	111.3	30.87	124.9	36.20	139.3	41.60	
48	62.6	16.03	74.9	19.39	86.8	23.17	92.7	25.07	98.7	26.95	110.6	31.61	123.2	36.37	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN860BTE5

Cooling Capacity (86HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14	16	18	19	20	22	24	TC	PI	TC	PI			
130	10	220.0	26.10	262.3	31.87	280.9	36.97	289.2	37.75	297.1	38.03	311.4	38.35	319.6	38.49
	12	220.0	26.74	262.3	33.01	280.9	38.49	289.2	38.74	297.1	39.06	311.4	39.38	319.6	39.73
	14	220.0	27.62	262.3	34.21	280.9	39.95	289.2	40.23	297.1	40.55	311.4	40.90	319.6	41.25
	16	220.0	28.65	262.3	35.41	280.9	41.75	289.2	42.14	297.1	42.46	311.4	42.85	319.6	43.17
	18	220.0	29.85	262.3	37.46	280.9	43.66	289.2	44.59	297.1	44.94	311.4	45.40	319.6	45.72
	20	220.0	31.16	262.3	39.91	280.9	45.82	289.2	49.05	297.1	49.44	307.1	49.93	315.0	50.29
	21	220.0	31.98	262.3	41.29	280.9	46.78	289.2	51.91	297.1	52.34	305.3	52.84	313.2	53.22
	23	220.0	34.31	262.3	43.45	280.9	49.19	289.2	57.29	293.5	57.75	300.6	58.32	308.9	58.71
	25	220.0	36.65	262.3	45.96	280.9	52.59	285.6	63.53	289.2	64.03	297.1	64.66	305.3	65.12
	27	220.0	39.20	262.3	49.12	277.4	56.02	280.9	69.94	285.6	70.50	293.5	71.21	300.6	71.68
	29	220.0	41.78	262.3	52.52	273.0	60.27	277.0	76.88	280.9	77.34	289.2	78.01	297.1	78.33
	31	220.0	44.58	261.2	55.31	268.4	64.10	273.0	76.53	277.0	76.99	284.5	77.69	292.7	78.01
	33	220.0	47.49	256.9	58.61	264.8	68.77	269.1	75.85	273.0	76.31	280.9	76.99	288.1	77.27
	35	220.0	50.64	252.3	61.37	260.5	74.47	264.8	74.86	269.1	75.29	276.6	75.96	284.5	76.28
	37	220.0	54.00	248.7	64.41	256.9	73.48	260.5	73.87	264.8	74.30	272.0	74.97	280.2	75.25
	39	220.0	57.51	244.4	67.81	252.3	72.52	256.9	72.88	260.5	73.30	268.4	73.97	276.6	74.26
	41	214.6	61.01	234.3	71.18	242.2	71.53	245.8	71.89	250.5	72.31	258.0	72.95	265.2	73.27
	43	209.3	64.34	224.3	70.19	232.2	70.54	235.8	70.90	240.4	71.32	248.0	71.96	254.8	72.24
46	196.0	68.87	204.6	68.73	212.1	69.06	215.4	69.41	220.0	69.83	226.8	70.47	233.3	70.72	
48	173.4	66.93	177.7	67.14	184.5	67.28	187.4	67.46	191.4	68.06	197.5	68.49	203.2	68.74	
120	10	203.5	23.48	242.2	28.79	264.5	34.18	272.7	36.94	280.6	37.54	296.0	37.68	303.2	38.00
	12	203.5	24.11	242.2	29.75	264.5	35.56	272.7	37.72	280.6	38.92	296.0	39.41	303.2	39.70
	14	203.5	24.93	242.2	30.77	264.5	37.01	272.7	39.17	280.6	40.34	296.0	40.94	303.2	41.29
	16	203.5	25.82	242.2	32.01	264.5	38.42	272.7	40.62	280.6	42.21	296.0	42.74	303.2	43.06
	18	203.5	26.84	242.2	33.46	264.5	39.98	272.7	42.78	280.6	44.37	296.0	44.90	303.2	45.26
	20	203.5	27.87	242.2	35.48	264.5	42.11	272.7	45.01	280.6	46.74	296.0	47.35	303.2	47.73
	21	203.5	28.72	242.2	36.76	264.5	43.31	272.7	46.32	280.6	48.27	296.0	48.87	303.2	49.26
	23	203.5	30.70	242.2	39.31	264.5	46.39	272.7	49.22	280.6	51.46	296.0	51.98	303.2	52.41
	25	203.5	32.79	242.2	42.11	264.5	48.94	272.7	52.48	280.6	55.17	292.4	55.63	299.6	56.09
	27	203.5	34.99	242.2	45.04	264.5	52.09	272.7	56.06	280.6	59.31	287.8	59.71	295.2	60.20
	29	203.5	37.33	242.2	48.06	264.5	54.82	272.7	59.99	276.3	63.21	283.4	64.17	291.3	64.66
	31	203.5	39.80	242.2	51.35	264.5	57.65	269.1	64.27	272.7	67.81	279.9	69.02	287.0	69.55
	33	203.5	42.35	242.2	54.71	260.9	60.98	264.5	69.76	268.0	72.81	275.2	73.62	282.4	74.22
	35	203.5	45.04	242.2	58.33	256.6	64.52	260.1	76.88	264.5	77.24	271.6	77.48	278.8	78.09
	37	203.5	48.44	242.2	61.55	253.0	68.81	256.6	75.25	260.1	75.61	267.3	75.85	274.5	76.45
	39	203.5	52.16	241.2	65.05	248.3	72.98	251.9	73.69	255.5	74.08	263.7	74.29	270.9	74.89
	41	198.5	55.85	230.8	68.56	238.6	71.53	241.9	72.17	245.4	72.52	252.6	72.74	259.8	73.30
	43	193.5	59.63	221.1	67.60	228.6	69.94	231.9	70.61	235.4	70.97	242.3	71.18	249.4	71.74
46	181.3	64.10	201.4	65.97	208.9	67.74	211.8	68.28	215.0	68.63	221.8	68.84	228.3	69.37	
48	160.5	62.82	174.9	64.80	181.7	66.40	184.2	66.82	187.1	67.03	192.8	67.29	198.5	67.57	
110	10	186.3	21.11	222.2	25.74	248.0	30.56	255.1	33.08	271.3	35.59	277.7	36.58	296.4	37.18
	12	186.3	21.78	222.2	26.59	248.0	31.83	255.1	34.00	271.3	36.93	277.7	38.14	296.4	38.99
	14	186.3	22.45	222.2	27.80	248.0	33.25	255.1	35.70	271.3	38.81	277.7	39.91	296.4	40.73
	16	186.3	23.23	222.2	28.79	248.0	34.64	255.1	37.25	271.3	40.58	277.7	41.68	296.4	42.42
	18	186.3	24.11	222.2	30.00	248.0	36.65	255.1	39.24	271.3	42.81	277.7	43.66	296.4	44.48
	20	186.3	24.97	222.2	31.51	248.0	38.85	255.1	41.04	271.3	44.90	277.7	46.00	296.4	46.74
	21	186.3	25.53	222.2	32.44	248.0	39.84	255.1	42.14	271.3	46.14	277.7	47.31	296.4	48.05
	23	186.3	27.19	222.2	34.77	248.0	42.07	255.1	44.48	271.3	48.73	277.7	49.79	296.4	50.61
	25	186.3	29.04	222.2	37.11	248.0	44.44	255.1	47.03	271.3	51.49	277.7	52.23	292.8	53.30
	27	186.3	31.02	222.2	39.66	248.0	46.96	255.1	49.76	271.3	53.79	277.7	55.03	288.5	55.95
	29	186.3	33.14	222.2	42.35	248.0	49.65	255.1	52.70	271.3	56.84	277.7	57.83	284.9	58.68
	31	186.3	35.24	222.2	45.15	248.0	52.45	255.1	55.85	267.0	59.74	274.1	60.91	280.2	61.54
	33	186.3	37.57	222.2	48.06	248.0	55.42	255.1	59.17	263.4	63.07	269.5	64.13	276.6	64.48
	35	186.3	39.91	222.2	51.35	248.0	58.54	255.1	62.71	258.7	66.57	265.2	67.18	272.3	67.50
	37	186.3	42.28	222.2	54.50	248.0	61.79	251.6	66.43	254.4	70.19	261.6	70.44	267.7	70.65
	39	186.3	45.61	222.2	57.90	243.7	65.19	247.2	71.07	250.8	73.69	256.9	73.80	264.1	73.87
	41	181.7	48.90	216.4	61.30	233.3	68.74	236.9	76.88	239.8	76.88	246.9	77.48	253.0	78.09
	43	177.0	51.35	211.1	63.88	223.6	72.91	227.2	73.73	230.1	73.58	236.9	73.98	242.9	74.19
46	165.9	50.11	197.8	61.66	203.9	69.20	207.5	69.19	210.0	69.80	216.5	70.19	222.2	70.36	
48	146.9	48.66	172.0	59.42	177.0	65.83	180.3	66.26	182.7	66.61	188.5	66.79	193.2	67.04	

# 7. Capacity Tables

Cooling Capacity (86HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	162.7	19.01	193.5	23.09	225.4	27.41	240.8	29.61	256.2	31.83	284.2	35.41	290.3	35.70
	12	162.7	19.62	193.5	24.04	225.4	28.33	240.8	30.42	256.2	32.83	284.2	37.32	290.3	37.68
	14	162.7	20.22	193.5	25.00	225.4	29.53	240.8	31.73	256.2	34.24	284.2	39.41	290.3	39.77
	16	162.7	20.86	193.5	25.85	225.4	30.78	240.8	33.22	256.2	36.09	284.2	41.32	290.3	41.89
	18	162.7	21.46	193.5	26.80	225.4	31.98	240.8	34.85	256.2	38.28	284.2	43.66	290.3	44.01
	20	162.7	22.24	193.5	27.80	225.4	33.85	240.8	37.33	256.2	40.97	284.2	45.75	290.3	46.11
	21	162.7	22.70	193.5	28.47	225.4	34.99	240.8	38.63	256.2	42.46	284.2	46.78	290.3	47.17
	23	162.7	24.04	193.5	30.45	225.4	37.57	240.8	41.43	256.2	45.50	284.2	48.98	290.3	49.40
	25	162.7	25.57	193.5	32.44	225.4	40.12	240.8	44.34	256.2	48.66	284.2	51.07	288.1	51.49
	27	162.7	27.30	193.5	34.67	225.4	42.95	240.8	47.38	256.2	51.74	278.8	53.47	284.5	53.90
	29	162.7	29.04	193.5	36.97	225.4	45.86	240.8	50.64	256.2	54.75	273.4	55.63	280.2	56.09
	31	162.7	31.02	193.5	39.45	225.4	48.90	240.8	54.04	256.2	57.54	269.4	57.79	275.9	58.25
	33	162.7	32.90	193.5	42.00	225.4	52.16	240.8	57.65	256.2	59.70	265.1	59.95	271.6	60.42
	35	162.7	34.99	193.5	44.69	225.4	55.53	240.8	61.48	252.3	61.86	260.2	62.11	266.9	62.61
	37	162.7	37.50	193.5	47.95	225.4	58.82	240.8	64.42	248.3	64.73	255.5	64.98	261.6	65.59
	39	162.7	40.19	193.5	51.49	225.4	62.33	240.8	67.57	244.0	67.85	251.2	68.13	257.3	68.77
	41	159.8	42.89	190.3	55.03	221.8	65.86	231.1	70.72	236.1	71.00	241.5	71.25	249.4	71.92
	43	154.4	45.40	183.8	58.36	214.3	69.02	221.5	73.41	224.0	73.69	231.1	73.91	237.2	74.61
46	144.8	48.83	172.4	62.89	200.7	73.20	202.1	76.88	204.6	77.09	211.1	77.31	216.8	78.05	
48	127.9	42.17	152.3	54.43	173.1	62.57	175.9	65.23	177.7	65.44	183.5	65.58	188.5	66.11	
90	10	146.2	16.42	174.5	19.76	202.8	23.29	216.8	25.09	230.4	27.02	258.7	30.23	287.4	33.64
	12	146.2	16.63	174.5	20.05	202.8	23.68	216.8	25.61	230.4	27.62	258.7	30.83	287.4	34.21
	14	146.2	16.94	174.5	20.47	202.8	24.20	216.8	26.11	230.4	28.12	258.7	31.43	287.4	34.92
	16	146.2	17.23	174.5	20.86	202.8	24.70	216.8	26.60	230.4	28.64	258.7	32.03	287.4	35.51
	18	146.2	17.54	174.5	21.28	202.8	25.09	216.8	27.23	230.4	29.24	258.7	32.73	287.4	37.31
	20	146.2	17.83	174.5	21.67	202.8	25.61	216.8	27.73	230.4	30.34	258.7	35.02	287.4	39.07
	21	146.2	18.04	174.5	21.88	202.8	26.11	216.8	28.64	230.4	31.46	258.7	35.59	287.4	39.99
	23	146.2	18.46	174.5	22.79	202.8	27.94	216.8	30.76	230.4	33.68	258.7	37.77	283.4	41.86
	25	146.2	19.34	174.5	24.31	202.8	29.84	216.8	32.87	230.4	35.97	258.7	40.37	279.2	43.65
	27	146.2	20.68	174.5	25.90	202.8	31.85	216.8	35.09	230.4	38.51	258.7	42.91	275.2	45.70
	29	146.2	21.88	174.5	27.62	202.8	34.07	216.8	37.49	230.4	41.12	258.7	45.45	270.9	47.53
	31	146.2	23.29	174.5	29.45	202.8	36.29	216.8	39.92	230.4	43.86	258.7	47.74	267.0	49.39
	33	146.2	24.80	174.5	31.36	202.8	38.72	216.8	42.53	230.4	46.51	258.7	50.03	262.7	51.23
	35	146.2	26.32	174.5	33.26	202.8	41.12	216.8	45.38	230.4	49.32	254.4	52.92	258.7	54.12
	37	146.2	27.94	174.5	35.37	202.8	43.86	216.8	48.20	230.4	52.07	250.4	55.31	254.8	56.55
	39	146.2	29.56	174.5	37.63	202.8	46.40	216.8	51.29	230.4	54.75	246.2	58.31	250.5	59.01
	41	142.6	33.08	170.2	41.72	197.8	50.95	211.1	56.09	224.7	59.12	235.8	61.45	240.1	62.85
	43	139.0	35.72	165.9	45.10	192.8	55.66	206.0	60.39	219.0	63.38	226.1	65.81	230.4	66.59
46	130.1	40.20	155.5	51.33	180.6	63.42	193.1	68.49	198.9	70.43	206.4	72.23	210.3	72.33	
48	115.1	35.13	137.6	44.92	159.8	55.49	170.6	59.75	172.7	60.67	179.5	62.18	182.8	62.26	
80	10	129.7	13.72	154.8	16.47	179.9	19.33	192.8	20.88	205.7	22.40	230.4	25.54	255.5	27.73
	12	129.7	14.00	154.8	16.68	179.9	19.72	192.8	21.24	205.7	22.79	230.4	26.00	255.5	28.29
	14	129.7	14.18	154.8	17.07	179.9	20.00	192.8	21.62	205.7	23.14	230.4	26.49	255.5	28.82
	16	129.7	14.39	154.8	17.35	179.9	20.39	192.8	22.01	205.7	23.63	230.4	27.06	255.5	29.38
	18	129.7	14.67	154.8	17.64	179.9	20.78	192.8	22.40	205.7	24.09	230.4	27.55	255.5	30.02
	20	129.7	14.96	154.8	18.02	179.9	21.24	192.8	22.86	205.7	24.59	230.4	28.57	255.5	31.78
	21	129.7	15.06	154.8	18.20	179.9	21.45	192.8	23.14	205.7	25.15	230.4	29.49	255.5	32.63
	23	129.7	15.34	154.8	18.48	179.9	22.40	192.8	24.59	205.7	26.88	230.4	31.15	255.5	34.25
	25	129.7	15.91	154.8	19.72	179.9	24.02	192.8	26.31	205.7	28.78	230.4	33.33	255.5	36.62
	27	129.7	16.86	154.8	20.95	179.9	25.64	192.8	28.11	205.7	30.69	230.4	35.41	255.5	38.55
	29	129.7	17.92	154.8	22.40	179.9	27.27	192.8	29.91	205.7	32.77	230.4	37.92	255.5	41.24
	31	129.7	19.05	154.8	23.74	179.9	29.07	192.8	31.92	205.7	34.88	230.4	40.25	255.5	43.32
	33	129.7	20.21	154.8	25.36	179.9	30.97	192.8	34.01	205.7	37.15	230.4	42.40	255.5	45.40
	35	129.7	21.45	154.8	26.88	179.9	32.98	192.8	36.19	205.7	39.65	230.4	44.97	252.6	47.06
	37	129.7	22.68	154.8	28.57	179.9	34.96	192.8	38.49	205.7	42.12	230.4	47.48	248.7	49.21
	39	129.7	23.95	154.8	30.20	179.9	37.39	192.8	41.38	205.7	45.26	230.4	50.16	244.4	51.89
	41	126.5	26.52	150.9	33.47	175.2	41.06	187.8	45.36	200.3	49.74	224.7	55.81	234.3	57.53
	43	123.3	29.17	147.2	36.51	170.9	44.80	183.1	49.45	195.3	54.36	219.0	59.72	224.7	61.59
46	115.7	32.49	137.9	41.13	160.2	50.48	171.6	55.03	183.1	61.34	200.3	65.19	205.0	66.21	
48	102.5	28.36	121.9	35.98	141.6	44.16	151.9	48.08	162.0	53.69	173.8	56.41	178.1	57.01	

# 7. Capacity Tables

Cooling Capacity (86HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	113.6	12.01	135.8	14.27	157.3	16.56	168.4	17.87	179.9	19.11	201.4	21.76	223.6	24.33
	12	113.6	12.19	135.8	14.48	157.3	16.92	168.4	18.15	179.9	19.49	201.4	22.11	223.6	24.79
	14	113.6	12.40	135.8	14.66	157.3	17.20	168.4	18.44	179.9	19.78	201.4	22.60	223.6	25.25
	16	113.6	12.57	135.8	14.94	157.3	17.48	168.4	18.82	179.9	20.13	201.4	22.99	223.6	25.78
	18	113.6	12.75	135.8	15.22	157.3	17.87	168.4	19.18	179.9	20.52	201.4	23.35	223.6	26.24
	20	113.6	12.96	135.8	15.51	157.3	18.15	168.4	19.57	179.9	20.98	201.4	23.91	223.6	27.23
	21	113.6	13.14	135.8	15.61	157.3	18.33	168.4	19.78	179.9	21.19	201.4	24.30	223.6	27.80
	23	113.6	13.35	135.8	15.97	157.3	18.72	168.4	20.42	179.9	22.22	201.4	26.00	223.6	29.35
	25	113.6	13.53	135.8	16.56	157.3	19.95	168.4	21.83	179.9	23.73	201.4	27.80	223.6	30.80
	27	113.6	14.27	135.8	17.69	157.3	21.26	168.4	23.17	179.9	25.36	201.4	29.70	223.6	32.71
	29	113.6	15.22	135.8	18.72	157.3	22.60	168.4	24.69	179.9	26.95	201.4	31.68	223.6	35.04
	31	113.6	16.17	135.8	19.95	157.3	24.12	168.4	26.38	179.9	28.75	201.4	33.76	223.6	37.19
	33	113.6	17.13	135.8	21.09	157.3	25.64	168.4	27.97	179.9	30.55	201.4	35.92	223.6	39.59
	35	113.6	18.05	135.8	22.50	157.3	27.23	168.4	29.78	179.9	32.53	201.4	38.29	223.6	41.99
	37	113.6	19.18	135.8	23.84	157.3	28.93	168.4	31.68	179.9	34.61	201.4	40.76	223.6	44.32
	39	113.6	20.38	135.8	25.43	157.3	30.94	168.4	34.08	179.9	37.40	201.4	43.62	223.6	47.78
	41	110.7	22.53	132.3	27.83	153.4	33.94	164.1	37.37	175.2	40.65	196.0	47.89	217.9	51.53
	43	107.9	24.54	129.0	30.34	149.4	37.02	160.2	40.76	170.9	44.39	191.3	52.34	212.5	55.73
46	101.1	27.27	121.1	34.12	140.1	41.71	150.1	45.42	160.2	50.04	179.2	59.02	199.2	62.09	
48	89.6	23.80	107.1	29.81	124.0	36.45	132.9	39.67	141.6	43.76	158.4	51.67	176.3	53.75	
60	10	97.1	10.33	116.1	12.10	135.1	14.07	144.4	15.10	154.1	16.05	172.7	18.21	191.7	20.37
	12	97.1	10.50	116.1	12.30	135.1	14.25	144.4	15.31	154.1	16.34	172.7	18.49	191.7	20.73
	14	97.1	10.61	116.1	12.48	135.1	14.54	144.4	15.56	154.1	16.62	172.7	18.85	191.7	21.11
	16	97.1	10.79	116.1	12.77	135.1	14.74	144.4	15.85	154.1	16.98	172.7	19.24	191.7	21.50
	18	97.1	10.97	116.1	12.94	135.1	15.03	144.4	16.13	154.1	17.26	172.7	19.52	191.7	21.96
	20	97.1	11.17	116.1	13.12	135.1	15.31	144.4	16.41	154.1	17.54	172.7	19.91	191.7	22.42
	21	97.1	11.25	116.1	13.23	135.1	15.49	144.4	16.62	154.1	17.72	172.7	20.16	191.7	22.60
	23	97.1	11.46	116.1	13.51	135.1	15.67	144.4	16.90	154.1	18.11	172.7	20.93	191.7	24.01
	25	97.1	11.63	116.1	13.79	135.1	16.34	144.4	17.72	154.1	19.24	172.7	22.35	191.7	25.71
	27	97.1	12.02	116.1	14.54	135.1	17.36	144.4	18.85	154.1	20.44	172.7	23.73	191.7	27.41
	29	97.1	12.77	116.1	15.49	135.1	18.49	144.4	20.09	154.1	21.78	172.7	25.32	191.7	29.28
	31	97.1	13.51	116.1	16.41	135.1	19.62	144.4	21.39	154.1	23.17	172.7	27.02	191.7	31.15
	33	97.1	14.25	116.1	17.36	135.1	20.83	144.4	22.70	154.1	24.68	172.7	28.71	191.7	33.21
	35	97.1	15.10	116.1	18.49	135.1	22.14	144.4	24.12	154.1	26.17	172.7	30.59	191.7	35.29
	37	97.1	15.95	116.1	19.52	135.1	23.45	144.4	25.61	154.1	27.76	172.7	32.46	191.7	37.52
	39	97.1	16.97	116.1	20.76	135.1	25.32	144.4	27.48	154.1	29.88	172.7	34.80	191.7	40.21
	41	94.6	18.39	113.2	22.74	131.5	27.51	140.8	30.02	150.1	32.43	168.4	38.19	187.0	43.71
	43	92.4	19.98	110.4	24.75	128.3	29.99	137.3	32.71	146.2	35.40	164.1	41.69	182.4	47.74
46	86.7	22.39	103.5	27.79	120.4	33.70	128.6	36.78	137.2	39.82	154.1	47.00	170.9	54.39	
48	76.7	19.52	91.4	24.26	106.4	29.46	113.9	32.11	121.1	34.80	136.2	41.09	151.2	47.60	
50	10	81.3	8.85	97.1	10.23	112.5	11.65	120.4	12.47	128.3	13.21	143.7	14.91	159.8	16.57
	12	81.3	8.93	97.1	10.34	112.5	11.83	120.4	12.67	128.3	13.49	143.7	15.19	159.8	16.85
	14	81.3	9.03	97.1	10.52	112.5	12.00	120.4	12.85	128.3	13.70	143.7	15.37	159.8	17.14
	16	81.3	9.21	97.1	10.70	112.5	12.18	120.4	13.14	128.3	13.88	143.7	15.65	159.8	17.42
	18	81.3	9.31	97.1	10.80	112.5	12.39	120.4	13.31	128.3	14.16	143.7	15.93	159.8	17.78
	20	81.3	9.42	97.1	10.98	112.5	12.67	120.4	13.49	128.3	14.44	143.7	16.21	159.8	18.16
	21	81.3	9.49	97.1	11.08	112.5	12.75	120.4	13.70	128.3	14.52	143.7	16.39	159.8	18.34
	23	81.3	9.67	97.1	11.26	112.5	12.96	120.4	13.88	128.3	14.80	143.7	16.68	159.8	18.73
	25	81.3	9.77	97.1	11.44	112.5	13.21	120.4	14.16	128.3	15.26	143.7	17.49	159.8	20.01
	27	81.3	9.95	97.1	11.83	112.5	13.95	120.4	15.08	128.3	16.21	143.7	18.73	159.8	21.32
	29	81.3	10.52	97.1	12.57	112.5	14.80	120.4	16.01	128.3	17.21	143.7	19.83	159.8	22.63
	31	81.3	11.08	97.1	13.31	112.5	15.72	120.4	16.96	128.3	18.34	143.7	21.14	159.8	24.11
	33	81.3	11.72	97.1	14.06	112.5	16.68	120.4	17.98	128.3	19.47	143.7	22.45	159.8	25.71
	35	81.3	12.39	97.1	14.91	112.5	17.60	120.4	19.09	128.3	20.57	143.7	23.76	159.8	27.27
	37	81.3	13.14	97.1	15.72	112.5	18.62	120.4	20.22	128.3	21.78	143.7	25.32	159.8	28.96
	39	81.3	13.99	97.1	16.86	112.5	19.94	120.4	21.74	128.3	23.37	143.7	26.98	159.8	31.27
	41	79.2	15.15	94.6	18.27	109.7	21.81	117.2	23.55	124.7	25.32	140.1	29.57	155.9	33.96
	43	77.4	16.46	92.4	19.86	107.1	23.73	114.3	25.64	121.8	27.58	136.5	32.26	151.9	37.04
46	72.4	18.45	86.7	22.27	100.3	26.63	107.2	28.79	114.0	30.95	127.9	36.29	142.6	41.71	
48	64.1	16.07	76.7	19.44	88.8	23.23	94.9	25.14	101.0	27.02	113.2	31.69	126.1	36.47	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN880BTE5

Cooling Capacity (88HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	225.2	26.84	268.4	32.78	287.5	38.02	295.9	38.82	304.0	39.11	318.6	39.44	327.0	39.59
	12	225.2	27.49	268.4	33.94	287.5	39.59	295.9	39.84	304.0	40.17	318.6	40.50	327.0	40.86
	14	225.2	28.41	268.4	35.18	287.5	41.08	295.9	41.37	304.0	41.70	318.6	42.06	327.0	42.43
	16	225.2	29.46	268.4	36.42	287.5	42.93	295.9	43.34	304.0	43.67	318.6	44.06	327.0	44.40
	18	225.2	30.70	268.4	38.53	287.5	44.90	295.9	45.85	304.0	46.22	318.6	46.69	327.0	47.01
	20	225.2	32.05	268.4	41.04	287.5	47.12	295.9	50.44	304.0	50.84	314.2	51.35	322.3	51.71
	21	225.2	32.88	268.4	42.47	287.5	48.11	295.9	53.39	304.0	53.82	312.4	54.34	320.5	54.73
	23	225.2	35.29	268.4	44.69	287.5	50.59	295.9	58.92	300.3	59.40	307.6	59.98	316.0	60.38
	25	225.2	37.69	268.4	47.27	287.5	54.08	292.2	65.33	295.9	65.85	304.0	66.50	312.4	66.97
	27	225.2	40.32	268.4	50.51	283.8	57.61	287.5	71.93	292.2	72.51	300.3	73.23	307.6	73.71
	29	225.2	42.97	268.4	54.01	279.4	61.98	283.4	79.06	287.5	79.53	295.9	80.23	304.0	80.56
	31	225.2	45.85	267.3	56.89	274.6	65.92	279.4	78.70	283.4	79.18	291.1	79.90	299.5	80.23
	33	225.2	48.84	262.9	60.27	271.0	70.72	275.4	78.01	279.4	78.48	287.5	79.17	294.8	79.47
	35	225.2	52.08	258.1	63.11	266.5	76.59	271.0	76.99	275.4	77.43	283.0	78.12	291.1	78.44
	37	225.2	55.54	254.5	66.24	262.9	75.57	266.5	75.97	271.0	76.41	278.3	77.10	286.7	77.39
	39	225.2	59.14	250.1	69.74	258.1	74.58	262.9	74.95	266.5	75.39	274.6	76.08	283.0	76.37
	41	219.6	62.75	239.8	73.20	247.8	73.56	251.5	73.93	256.3	74.37	264.0	75.02	271.3	75.35
	43	214.1	66.17	229.6	72.18	237.6	72.55	241.3	72.91	246.0	73.35	253.7	74.00	260.7	74.29
46	200.6	70.83	209.4	70.68	217.1	71.02	220.4	71.38	225.1	71.82	232.1	72.47	238.7	72.73	
48	177.5	68.83	181.9	69.05	188.8	69.19	191.8	69.38	195.8	69.99	202.0	70.43	207.9	70.69	
120	10	208.3	24.14	247.8	29.61	270.6	35.15	279.0	37.99	287.1	38.60	302.9	38.75	310.2	39.07
	12	208.3	24.80	247.8	30.59	270.6	36.57	279.0	38.79	287.1	40.02	302.9	40.53	310.2	40.83
	14	208.3	25.64	247.8	31.64	270.6	38.06	279.0	40.28	287.1	41.48	302.9	42.10	310.2	42.46
	16	208.3	26.55	247.8	32.92	270.6	39.52	279.0	41.77	287.1	43.41	302.9	43.96	310.2	44.29
	18	208.3	27.60	247.8	34.41	270.6	41.11	279.0	43.99	287.1	45.63	302.9	46.18	310.2	46.54
	20	208.3	28.66	247.8	36.49	270.6	43.30	279.0	46.29	287.1	48.07	302.9	48.69	310.2	49.09
	21	208.3	29.53	247.8	37.80	270.6	44.54	279.0	47.64	287.1	49.64	302.9	50.26	310.2	50.66
	23	208.3	31.57	247.8	40.43	270.6	47.71	279.0	50.62	287.1	52.92	302.9	53.46	310.2	53.90
	25	208.3	33.72	247.8	43.30	270.6	50.33	279.0	53.97	287.1	56.74	299.2	57.22	306.5	57.69
	27	208.3	35.98	247.8	46.32	270.6	53.57	279.0	57.65	287.1	61.00	294.5	61.40	302.1	61.91
	29	208.3	38.39	247.8	49.42	270.6	56.37	279.0	61.69	282.7	65.01	290.0	65.99	298.1	66.50
	31	208.3	40.93	247.8	52.80	270.6	59.29	275.4	66.10	279.0	69.74	286.4	70.98	293.7	71.53
	33	208.3	43.56	247.8	56.27	267.0	62.71	270.6	71.75	274.3	74.87	281.6	75.71	289.0	76.33
	35	208.3	46.32	247.8	59.98	262.5	66.36	266.2	79.06	270.6	79.43	278.0	79.68	285.3	80.30
	37	208.3	49.82	247.8	63.30	258.8	70.76	262.5	77.39	266.2	77.76	273.5	78.01	280.9	78.63
	39	208.3	53.64	246.8	66.90	254.1	75.06	257.8	75.79	261.4	76.18	269.9	76.40	277.2	77.02
	41	203.1	57.43	236.1	70.51	244.2	73.56	247.5	74.22	251.2	74.58	258.5	74.80	265.8	75.39
	43	198.0	61.33	226.2	69.52	233.9	71.92	237.3	72.62	240.9	72.98	247.9	73.20	255.2	73.78
46	185.5	65.92	206.1	67.85	213.8	69.67	216.7	70.22	220.0	70.58	226.9	70.80	233.6	71.34	
48	164.2	64.60	179.0	66.64	185.9	68.29	188.5	68.72	191.4	68.94	197.3	69.20	203.2	69.49	
110	10	190.7	21.71	227.3	26.47	253.8	31.43	261.1	34.02	277.6	36.60	284.2	37.62	303.2	38.24
	12	190.7	22.40	227.3	27.35	253.8	32.74	261.1	34.96	277.6	37.98	284.2	39.22	303.2	40.10
	14	190.7	23.09	227.3	28.59	253.8	34.20	261.1	36.71	277.6	39.91	284.2	41.04	303.2	41.88
	16	190.7	23.89	227.3	29.61	253.8	35.62	261.1	38.31	277.6	41.74	284.2	42.87	303.2	43.63
	18	190.7	24.80	227.3	30.85	253.8	37.69	261.1	40.35	277.6	44.03	284.2	44.90	303.2	45.74
	20	190.7	25.67	227.3	32.41	253.8	39.95	261.1	42.21	277.6	46.18	284.2	47.31	303.2	48.07
	21	190.7	26.25	227.3	33.36	253.8	40.97	261.1	43.34	277.6	47.45	284.2	48.65	303.2	49.42
	23	190.7	27.97	227.3	35.76	253.8	43.27	261.1	45.74	277.6	50.11	284.2	51.20	303.2	52.04
	25	190.7	29.87	227.3	38.16	253.8	45.71	261.1	48.36	277.6	52.95	284.2	53.72	299.6	54.81
	27	190.7	31.91	227.3	40.79	253.8	48.29	261.1	51.17	277.6	55.32	284.2	56.59	295.2	57.54
	29	190.7	34.09	227.3	43.56	253.8	51.06	261.1	54.19	277.6	58.45	284.2	59.47	291.5	60.35
	31	190.7	36.24	227.3	46.43	253.8	53.94	261.1	57.43	273.2	61.43	280.5	62.64	286.8	63.29
	33	190.7	38.64	227.3	49.42	253.8	56.99	261.1	60.86	269.5	64.86	275.8	65.95	283.1	66.31
	35	190.7	41.04	227.3	52.80	253.8	60.20	261.1	64.50	264.8	68.46	271.3	69.09	278.7	69.42
	37	190.7	43.48	227.3	56.05	253.8	63.55	257.4	68.32	260.3	72.18	267.7	72.44	273.9	72.65
	39	190.7	46.90	227.3	59.54	249.3	67.05	253.0	73.09	256.7	75.78	262.9	75.90	270.3	75.97
	41	185.9	50.29	221.5	63.04	238.7	70.69	242.4	79.06	245.3	79.06	252.6	79.68	258.9	80.30
	43	181.1	52.81	216.0	65.70	228.8	74.98	232.5	75.82	235.4	75.67	242.4	76.08	248.6	76.30
46	169.8	51.53	202.4	63.41	208.6	71.16	212.3	71.16	214.9	71.78	221.5	72.18	227.3	72.36	
48	150.3	50.04	176.0	61.11	181.1	67.70	184.4	68.14	187.0	68.50	192.8	68.68	197.7	68.94	

# 7. Capacity Tables

Cooling Capacity (88HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	166.4	19.55	198.0	23.75	230.6	28.19	246.4	30.45	262.2	32.74	290.8	36.42	297.0	36.71
	12	166.4	20.18	198.0	24.73	230.6	29.13	246.4	31.28	262.2	33.76	290.8	38.38	297.0	38.75
	14	166.4	20.80	198.0	25.71	230.6	30.37	246.4	32.63	262.2	35.22	290.8	40.53	297.0	40.90
	16	166.4	21.45	198.0	26.58	230.6	31.65	246.4	34.16	262.2	37.11	290.8	42.50	297.0	43.08
	18	166.4	22.07	198.0	27.57	230.6	32.89	246.4	35.84	262.2	39.37	290.8	44.90	297.0	45.26
	20	166.4	22.87	198.0	28.59	230.6	34.81	246.4	38.39	262.2	42.13	290.8	47.05	297.0	47.42
	21	166.4	23.34	198.0	29.28	230.6	35.98	246.4	39.73	262.2	43.67	290.8	48.11	297.0	48.51
	23	166.4	24.73	198.0	31.32	230.6	38.64	246.4	42.61	262.2	46.80	290.8	50.37	297.0	50.80
	25	166.4	26.29	198.0	33.36	230.6	41.26	246.4	45.60	262.2	50.04	290.8	52.52	294.8	52.95
	27	166.4	28.08	198.0	35.65	230.6	44.17	246.4	48.73	262.2	53.21	285.2	54.99	291.1	55.43
	29	166.4	29.87	198.0	38.02	230.6	47.16	246.4	52.08	262.2	56.30	279.8	57.21	286.7	57.68
	31	166.4	31.91	198.0	40.57	230.6	50.29	246.4	55.57	262.2	59.18	275.7	59.43	282.3	59.91
	33	166.4	33.83	198.0	43.19	230.6	53.64	246.4	59.29	262.2	61.40	271.3	61.65	277.9	62.13
	35	166.4	35.98	198.0	45.96	230.6	57.11	246.4	63.22	258.2	63.62	266.2	63.87	273.1	64.38
	37	166.4	38.56	198.0	49.31	230.6	60.49	246.4	66.24	254.1	66.57	261.4	66.83	267.6	67.45
	39	166.4	41.33	198.0	52.95	230.6	64.10	246.4	69.49	249.7	69.78	257.0	70.07	263.2	70.72
	41	163.6	44.10	194.7	56.60	227.0	67.74	236.5	72.73	241.6	73.02	247.2	73.27	255.2	73.96
	43	158.0	46.69	188.1	60.02	219.2	70.98	226.6	75.50	229.2	75.78	236.5	76.01	242.7	76.73
46	148.1	50.22	176.4	64.68	205.3	75.27	206.8	79.06	209.3	79.28	216.0	79.50	221.8	80.26	
48	130.9	43.37	155.9	55.97	177.1	64.35	180.0	67.08	181.8	67.30	187.7	67.44	192.9	67.99	
90	10	149.6	16.87	178.6	20.30	207.6	23.92	221.8	25.77	235.8	27.76	264.8	31.05	294.0	34.56
	12	149.6	17.08	178.6	20.59	207.6	24.32	221.8	26.31	235.8	28.37	264.8	31.67	294.0	35.14
	14	149.6	17.41	178.6	21.03	207.6	24.86	221.8	26.82	235.8	28.88	264.8	32.28	294.0	35.87
	16	149.6	17.70	178.6	21.43	207.6	25.37	221.8	27.33	235.8	29.42	264.8	32.90	294.0	36.48
	18	149.6	18.02	178.6	21.86	207.6	25.77	221.8	27.97	235.8	30.04	264.8	33.62	294.0	38.32
	20	149.6	18.31	178.6	22.26	207.6	26.31	221.8	28.48	235.8	31.16	264.8	35.97	294.0	40.14
	21	149.6	18.53	178.6	22.47	207.6	26.82	221.8	29.42	235.8	32.32	264.8	36.55	294.0	41.07
	23	149.6	18.96	178.6	23.41	207.6	28.70	221.8	31.59	235.8	34.60	264.8	38.79	290.0	43.00
	25	149.6	19.87	178.6	24.97	207.6	30.65	221.8	33.76	235.8	36.95	264.8	41.47	285.6	44.84
	27	149.6	21.24	178.6	26.60	207.6	32.72	221.8	36.04	235.8	39.56	264.8	44.08	281.6	46.94
	29	149.6	22.47	178.6	28.37	207.6	35.00	221.8	38.51	235.8	42.24	264.8	46.69	277.2	48.82
	31	149.6	23.92	178.6	30.25	207.6	37.28	221.8	41.00	235.8	45.05	264.8	49.04	273.2	50.74
	33	149.6	25.48	178.6	32.21	207.6	39.77	221.8	43.68	235.8	47.77	264.8	51.39	268.8	52.62
	35	149.6	27.03	178.6	34.16	207.6	42.24	221.8	46.61	235.8	50.67	260.3	54.36	264.7	55.59
	37	149.6	28.70	178.6	36.34	207.6	45.06	221.8	49.51	235.8	53.49	256.3	56.82	260.7	58.09
	39	149.6	30.36	178.6	38.65	207.6	47.67	221.8	52.69	235.8	56.24	251.9	59.90	256.3	60.62
	41	145.9	33.98	174.1	42.85	202.4	52.33	216.0	57.61	229.9	60.72	241.3	63.12	245.7	64.56
	43	142.2	36.69	169.8	46.32	197.3	57.18	210.8	62.03	224.0	65.10	231.4	67.60	235.8	68.40
46	133.1	41.29	159.1	52.73	184.8	65.14	197.6	70.35	203.5	72.34	211.2	74.19	215.2	74.30	
48	117.7	36.08	140.8	46.14	163.5	57.00	174.6	61.38	176.8	62.32	183.7	63.88	187.0	63.95	
80	10	132.8	14.10	158.4	16.93	184.0	19.86	197.2	21.45	210.4	23.01	235.8	26.24	261.4	28.49
	12	132.8	14.39	158.4	17.14	184.0	20.26	197.2	21.82	210.4	23.41	235.8	26.71	261.4	29.06
	14	132.8	14.57	158.4	17.54	184.0	20.55	197.2	22.22	210.4	23.78	235.8	27.22	261.4	29.61
	16	132.8	14.79	158.4	17.83	184.0	20.95	197.2	22.61	210.4	24.28	235.8	27.80	261.4	30.19
	18	132.8	15.08	158.4	18.12	184.0	21.35	197.2	23.01	210.4	24.76	235.8	28.30	261.4	30.84
	20	132.8	15.37	158.4	18.52	184.0	21.82	197.2	23.49	210.4	25.26	235.8	29.36	261.4	32.66
	21	132.8	15.47	158.4	18.70	184.0	22.03	197.2	23.78	210.4	25.84	235.8	30.30	261.4	33.53
	23	132.8	15.76	158.4	18.99	184.0	23.01	197.2	25.26	210.4	27.61	235.8	32.00	261.4	35.19
	25	132.8	16.35	158.4	20.26	184.0	24.68	197.2	27.03	210.4	29.57	235.8	34.25	261.4	37.62
	27	132.8	17.32	158.4	21.53	184.0	26.35	197.2	28.88	210.4	31.53	235.8	36.38	261.4	39.61
	29	132.8	18.41	158.4	23.01	184.0	28.01	197.2	30.73	210.4	33.67	235.8	38.96	261.4	42.37
	31	132.8	19.57	158.4	24.39	184.0	29.86	197.2	32.80	210.4	35.84	235.8	41.35	261.4	44.50
	33	132.8	20.76	158.4	26.05	184.0	31.82	197.2	34.94	210.4	38.17	235.8	43.56	261.4	46.64
	35	132.8	22.03	158.4	27.61	184.0	33.88	197.2	37.19	210.4	40.73	235.8	46.21	258.5	48.35
	37	132.8	23.30	158.4	29.35	184.0	35.92	197.2	39.54	210.4	43.27	235.8	48.78	254.5	50.56
	39	132.8	24.61	158.4	31.02	184.0	38.42	197.2	42.51	210.4	46.50	235.8	51.53	250.1	53.31
	41	129.4	27.25	154.4	34.39	179.3	42.18	192.1	46.61	205.0	51.10	229.9	57.33	239.8	59.11
	43	126.2	29.97	150.7	37.51	174.9	46.03	187.4	50.81	199.8	55.85	224.0	61.35	229.9	63.28
46	118.4	33.38	141.1	42.26	163.9	51.86	175.6	56.54	187.4	63.02	205.0	66.97	209.7	68.03	
48	104.8	29.14	124.7	36.96	144.8	45.37	155.4	49.39	165.7	55.16	177.9	57.95	182.2	58.57	



# 7. Capacity Tables

Cooling Capacity (88HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	116.2	12.34	139.0	14.66	161.0	17.02	172.4	18.36	184.0	19.63	206.0	22.36	228.8	25.01
	12	116.2	12.52	139.0	14.88	161.0	17.39	172.4	18.66	184.0	20.03	206.0	22.72	228.8	25.48
	14	116.2	12.74	139.0	15.06	161.0	17.68	172.4	18.95	184.0	20.32	206.0	23.23	228.8	25.95
	16	116.2	12.92	139.0	15.35	161.0	17.97	172.4	19.34	184.0	20.69	206.0	23.62	228.8	26.49
	18	116.2	13.10	139.0	15.64	161.0	18.36	172.4	19.71	184.0	21.09	206.0	23.99	228.8	26.97
	20	116.2	13.32	139.0	15.93	161.0	18.66	172.4	20.11	184.0	21.56	206.0	24.57	228.8	27.98
	21	116.2	13.50	139.0	16.04	161.0	18.84	172.4	20.32	184.0	21.77	206.0	24.97	228.8	28.57
	23	116.2	13.72	139.0	16.41	161.0	19.24	172.4	20.98	184.0	22.83	206.0	26.71	228.8	30.16
	25	116.2	13.90	139.0	17.02	161.0	20.51	172.4	22.43	184.0	24.39	206.0	28.56	228.8	31.65
	27	116.2	14.66	139.0	18.18	161.0	21.85	172.4	23.81	184.0	26.06	206.0	30.52	228.8	33.61
	29	116.2	15.64	139.0	19.24	161.0	23.23	172.4	25.37	184.0	27.69	206.0	32.55	228.8	36.01
	31	116.2	16.62	139.0	20.51	161.0	24.79	172.4	27.11	184.0	29.54	206.0	34.70	228.8	38.22
	33	116.2	17.60	139.0	21.67	161.0	26.35	172.4	28.75	184.0	31.39	206.0	36.91	228.8	40.69
	35	116.2	18.55	139.0	23.12	161.0	27.98	172.4	30.60	184.0	33.43	206.0	39.34	228.8	43.15
	37	116.2	19.71	139.0	24.50	161.0	29.73	172.4	32.55	184.0	35.57	206.0	41.88	228.8	45.55
	39	116.2	20.94	139.0	26.13	161.0	31.79	172.4	35.02	184.0	38.43	206.0	44.82	228.8	49.10
	41	113.3	23.16	135.3	28.60	156.9	34.88	168.0	38.40	179.3	41.77	200.6	49.22	222.9	52.95
	43	110.4	25.22	132.0	31.18	152.9	38.04	163.9	41.88	174.9	45.62	195.8	53.79	217.4	57.27
46	103.4	28.02	123.9	35.06	143.4	42.86	153.6	46.67	163.9	51.43	183.3	60.65	203.8	63.81	
48	91.6	24.46	109.6	30.63	126.9	37.46	136.0	40.76	144.8	44.97	162.1	53.09	180.4	55.24	
60	10	99.4	10.61	118.8	12.43	138.2	14.47	147.8	15.52	157.6	16.50	176.8	18.72	196.2	20.93
	12	99.4	10.80	118.8	12.65	138.2	14.65	147.8	15.74	157.6	16.79	176.8	19.01	196.2	21.30
	14	99.4	10.90	118.8	12.83	138.2	14.94	147.8	16.00	157.6	17.08	176.8	19.38	196.2	21.70
	16	99.4	11.09	118.8	13.12	138.2	15.15	147.8	16.29	157.6	17.45	176.8	19.77	196.2	22.10
	18	99.4	11.27	118.8	13.30	138.2	15.44	147.8	16.58	157.6	17.74	176.8	20.06	196.2	22.57
	20	99.4	11.48	118.8	13.49	138.2	15.74	147.8	16.87	157.6	18.03	176.8	20.46	196.2	23.05
	21	99.4	11.56	118.8	13.59	138.2	15.92	147.8	17.08	157.6	18.21	176.8	20.72	196.2	23.23
	23	99.4	11.77	118.8	13.89	138.2	16.10	147.8	17.37	157.6	18.61	176.8	21.52	196.2	24.68
	25	99.4	11.96	118.8	14.18	138.2	16.79	147.8	18.21	157.6	19.77	176.8	22.97	196.2	26.42
	27	99.4	12.36	118.8	14.94	138.2	17.85	147.8	19.38	157.6	21.01	176.8	24.39	196.2	28.17
	29	99.4	13.12	118.8	15.92	138.2	19.01	147.8	20.64	157.6	22.39	176.8	26.03	196.2	30.09
	31	99.4	13.89	118.8	16.87	138.2	20.17	147.8	21.99	157.6	23.81	176.8	27.77	196.2	32.02
	33	99.4	14.65	118.8	17.85	138.2	21.41	147.8	23.34	157.6	25.37	176.8	29.51	196.2	34.13
	35	99.4	15.52	118.8	19.01	138.2	22.75	147.8	24.79	157.6	26.90	176.8	31.44	196.2	36.27
	37	99.4	16.39	118.8	20.06	138.2	24.10	147.8	26.32	157.6	28.54	176.8	33.37	196.2	38.57
	39	99.4	17.44	118.8	21.34	138.2	26.02	147.8	28.24	157.6	30.71	176.8	35.77	196.2	41.33
	41	96.8	18.90	115.8	23.37	134.6	28.28	144.1	30.86	153.6	33.33	172.3	39.26	191.4	44.92
	43	94.6	20.54	112.9	25.44	131.3	30.82	140.4	33.62	149.6	36.38	168.0	42.86	186.6	49.07
46	88.7	23.01	105.9	28.57	123.2	34.64	131.6	37.80	140.4	40.93	157.6	48.30	174.9	55.90	
48	78.4	20.06	93.5	24.93	108.9	30.28	116.6	33.01	124.0	35.76	139.3	42.24	154.7	48.92	
50	10	83.2	9.10	99.4	10.52	115.2	11.97	123.2	12.82	131.2	13.58	147.0	15.32	163.6	17.04
	12	83.2	9.18	99.4	10.63	115.2	12.16	123.2	13.03	131.2	13.87	147.0	15.61	163.6	17.33
	14	83.2	9.28	99.4	10.81	115.2	12.34	123.2	13.21	131.2	14.08	147.0	15.80	163.6	17.62
	16	83.2	9.47	99.4	11.00	115.2	12.53	123.2	13.50	131.2	14.27	147.0	16.09	163.6	17.91
	18	83.2	9.57	99.4	11.10	115.2	12.74	123.2	13.69	131.2	14.56	147.0	16.38	163.6	18.28
	20	83.2	9.68	99.4	11.29	115.2	13.03	123.2	13.87	131.2	14.85	147.0	16.67	163.6	18.67
	21	83.2	9.76	99.4	11.39	115.2	13.11	123.2	14.08	131.2	14.93	147.0	16.85	163.6	18.86
	23	83.2	9.94	99.4	11.58	115.2	13.32	123.2	14.27	131.2	15.22	147.0	17.14	163.6	19.25
	25	83.2	10.05	99.4	11.76	115.2	13.58	123.2	14.56	131.2	15.69	147.0	17.98	163.6	20.57
	27	83.2	10.23	99.4	12.16	115.2	14.34	123.2	15.51	131.2	16.67	147.0	19.25	163.6	21.91
	29	83.2	10.81	99.4	12.92	115.2	15.22	123.2	16.46	131.2	17.69	147.0	20.39	163.6	23.26
	31	83.2	11.39	99.4	13.69	115.2	16.16	123.2	17.43	131.2	18.86	147.0	21.73	163.6	24.79
	33	83.2	12.05	99.4	14.45	115.2	17.14	123.2	18.49	131.2	20.02	147.0	23.08	163.6	26.43
	35	83.2	12.74	99.4	15.32	115.2	18.09	123.2	19.62	131.2	21.15	147.0	24.42	163.6	28.03
	37	83.2	13.50	99.4	16.16	115.2	19.15	123.2	20.78	131.2	22.39	147.0	26.03	163.6	29.78
	39	83.2	14.38	99.4	17.33	115.2	20.50	123.2	22.35	131.2	24.03	147.0	27.74	163.6	32.14
	41	81.0	15.58	96.8	18.78	112.2	22.42	119.9	24.21	127.6	26.03	143.3	30.40	159.5	34.91
	43	79.2	16.93	94.6	20.42	109.6	24.39	117.0	26.36	124.7	28.36	139.7	33.16	155.5	38.08
46	74.1	18.96	88.7	22.90	102.7	27.37	109.6	29.60	116.6	31.82	130.9	37.31	145.9	42.88	
48	65.6	16.52	78.4	19.98	90.9	23.88	97.1	25.84	103.4	27.77	115.9	32.58	129.0	37.49	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN900BTE5

Cooling Capacity (90HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	230.3	26.90	274.5	32.86	294.0	38.11	302.6	38.91	310.9	39.21	325.9	39.53	334.5	39.68
	12	230.3	27.56	274.5	34.03	294.0	39.68	302.6	39.94	310.9	40.27	325.9	40.59	334.5	40.96
	14	230.3	28.48	274.5	35.27	294.0	41.18	302.6	41.47	310.9	41.80	325.9	42.16	334.5	42.53
	16	230.3	29.53	274.5	36.51	294.0	43.04	302.6	43.44	310.9	43.77	325.9	44.17	334.5	44.50
	18	230.3	30.77	274.5	38.62	294.0	45.01	302.6	45.96	310.9	46.33	325.9	46.80	334.5	47.13
	20	230.3	32.12	274.5	41.14	294.0	47.24	302.6	50.56	310.9	50.97	321.3	51.48	329.6	51.84
	21	230.3	32.96	274.5	42.57	294.0	48.22	302.6	53.52	310.9	53.95	319.5	54.47	327.8	54.87
	23	230.3	35.37	274.5	44.79	294.0	50.71	302.6	59.06	307.1	59.54	314.6	60.12	323.2	60.53
	25	230.3	37.78	274.5	47.38	294.0	54.21	298.9	65.49	302.6	66.01	310.9	66.66	319.5	67.13
	27	230.3	40.41	274.5	50.63	290.3	57.75	294.0	72.10	298.9	72.68	307.1	73.41	314.6	73.89
	29	230.3	43.07	274.5	54.14	285.7	62.13	289.9	79.25	294.0	79.73	302.6	80.42	310.9	80.75
	31	230.3	45.96	273.4	57.02	280.9	66.08	285.7	78.89	289.9	79.37	297.8	80.09	306.3	80.42
	33	230.3	48.96	268.9	60.42	277.1	70.89	281.6	78.19	285.7	78.67	294.0	79.36	301.5	79.66
	35	230.3	52.20	264.0	63.27	272.6	76.77	277.1	77.17	281.6	77.62	289.5	78.31	297.8	78.63
	37	230.3	55.67	260.3	66.40	268.9	75.75	272.6	76.15	277.1	76.59	284.6	77.28	293.2	77.58
	39	230.3	59.28	255.7	69.91	264.0	74.76	268.9	75.13	272.6	75.57	280.9	76.26	289.5	76.55
	41	224.6	62.90	245.2	73.38	253.5	73.74	257.2	74.11	262.1	74.55	270.0	75.21	277.5	75.53
	43	219.0	66.33	234.8	72.36	243.0	72.72	246.7	73.09	251.6	73.52	259.5	74.18	266.6	74.47
46	205.1	71.00	214.2	70.86	222.0	71.19	225.4	71.55	230.2	71.99	237.4	72.65	244.1	72.91	
48	181.5	69.00	186.0	69.22	193.1	69.36	196.1	69.55	200.3	70.16	206.6	70.60	212.6	70.86	
120	10	213.0	24.20	253.5	29.68	276.8	35.23	285.4	38.08	293.6	38.70	309.7	38.84	317.3	39.17
	12	213.0	24.86	253.5	30.66	276.8	36.65	285.4	38.88	293.6	40.12	309.7	40.63	317.3	40.93
	14	213.0	25.70	253.5	31.72	276.8	38.15	285.4	40.38	293.6	41.58	309.7	42.20	317.3	42.56
	16	213.0	26.62	253.5	33.00	276.8	39.61	285.4	41.87	293.6	43.52	309.7	44.06	317.3	44.39
	18	213.0	27.67	253.5	34.50	276.8	41.21	285.4	44.10	293.6	45.74	309.7	46.29	317.3	46.65
	20	213.0	28.73	253.5	36.58	276.8	43.41	285.4	46.40	293.6	48.19	309.7	48.81	317.3	49.21
	21	213.0	29.60	253.5	37.89	276.8	44.65	285.4	47.75	293.6	49.76	309.7	50.38	317.3	50.78
	23	213.0	31.65	253.5	40.52	276.8	47.82	285.4	50.74	293.6	53.05	309.7	53.59	317.3	54.03
	25	213.0	33.80	253.5	43.41	276.8	50.45	285.4	54.10	293.6	56.88	306.0	57.35	313.5	57.83
	27	213.0	36.07	253.5	46.43	276.8	53.70	285.4	57.79	293.6	61.15	301.2	61.55	309.0	62.06
	29	213.0	38.48	253.5	49.54	276.8	56.51	285.4	61.84	289.1	65.16	296.6	66.15	304.9	66.66
	31	213.0	41.03	253.5	52.93	276.8	59.43	281.6	66.26	285.4	69.91	292.9	71.15	300.4	71.70
	33	213.0	43.66	253.5	56.40	273.0	62.86	276.8	71.92	280.5	75.06	288.0	75.90	295.5	76.52
	35	213.0	46.43	253.5	60.13	268.5	66.52	272.2	79.25	276.8	79.62	284.3	79.88	291.8	80.50
	37	213.0	49.94	253.5	63.45	264.7	70.93	268.5	77.58	272.2	77.94	279.7	78.20	287.2	78.82
	39	213.0	53.77	252.4	67.06	259.9	75.24	263.6	75.97	267.4	76.37	276.0	76.59	283.5	77.21
	41	207.7	57.57	241.5	70.68	249.7	73.74	253.1	74.40	256.9	74.76	264.3	74.98	271.9	75.57
	43	202.5	61.47	231.4	69.69	239.3	72.10	242.7	72.79	246.4	73.16	253.5	73.38	261.0	73.96
46	189.8	66.08	210.8	68.01	218.6	69.84	221.7	70.39	225.0	70.75	232.1	70.97	238.9	71.52	
48	168.0	64.76	183.0	66.81	190.1	68.45	192.8	68.89	195.8	69.11	201.8	69.36	207.8	69.65	
110	10	195.0	21.76	232.5	26.54	259.5	31.50	267.0	34.10	283.9	36.69	290.6	37.71	310.1	38.33
	12	195.0	22.45	232.5	27.42	259.5	32.82	267.0	35.05	283.9	38.08	290.6	39.31	310.1	40.20
	14	195.0	23.14	232.5	28.66	259.5	34.28	267.0	36.80	283.9	40.01	290.6	41.14	310.1	41.99
	16	195.0	23.95	232.5	29.68	259.5	35.71	267.0	38.41	283.9	41.84	290.6	42.97	310.1	43.73
	18	195.0	24.86	232.5	30.92	259.5	37.78	267.0	40.45	283.9	44.14	290.6	45.01	310.1	45.85
	20	195.0	25.74	232.5	32.49	259.5	40.05	267.0	42.31	283.9	46.29	290.6	47.42	310.1	48.19
	21	195.0	26.32	232.5	33.44	259.5	41.07	267.0	43.44	283.9	47.57	290.6	48.77	310.1	49.54
	23	195.0	28.03	232.5	35.85	259.5	43.37	267.0	45.85	283.9	50.24	290.6	51.33	310.1	52.17
	25	195.0	29.94	232.5	38.26	259.5	45.82	267.0	48.48	283.9	53.08	290.6	53.85	306.4	54.94
	27	195.0	31.98	232.5	40.89	259.5	48.41	267.0	51.29	283.9	55.45	290.6	56.73	301.9	57.68
	29	195.0	34.17	232.5	43.66	259.5	51.18	267.0	54.32	283.9	58.59	290.6	59.61	298.1	60.49
	31	195.0	36.32	232.5	46.55	259.5	54.07	267.0	57.57	279.4	61.58	286.9	62.79	293.3	63.45
	33	195.0	38.73	232.5	49.54	259.5	57.13	267.0	61.00	275.6	65.02	282.0	66.11	289.5	66.48
	35	195.0	41.14	232.5	52.93	259.5	60.34	267.0	64.65	270.8	68.63	277.5	69.25	285.0	69.58
	37	195.0	43.59	232.5	56.18	259.5	63.70	263.3	68.49	266.2	72.36	273.7	72.61	280.1	72.83
	39	195.0	47.02	232.5	59.69	255.0	67.21	258.7	73.27	262.5	75.97	268.9	76.08	276.4	76.15
	41	190.1	50.41	226.5	63.20	244.1	70.86	247.9	79.25	250.9	79.25	258.4	79.88	264.8	80.50
	43	185.3	52.93	220.9	65.86	234.0	75.17	237.7	76.01	240.8	75.86	247.9	76.26	254.2	76.48
46	173.6	51.66	207.0	63.56	213.4	71.33	217.1	71.33	219.8	71.95	226.5	72.35	232.5	72.54	
48	153.7	50.16	180.0	61.26	185.3	67.87	188.6	68.31	191.2	68.67	197.2	68.85	202.2	69.11	

# 7. Capacity Tables

Cooling Capacity (90HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	170.2	19.60	202.5	23.80	235.9	28.26	252.0	30.52	268.1	32.82	297.4	36.51	303.8	36.80
	12	170.2	20.22	202.5	24.79	235.9	29.21	252.0	31.36	268.1	33.84	297.4	38.48	303.8	38.85
	14	170.2	20.85	202.5	25.77	235.9	30.45	252.0	32.71	268.1	35.30	297.4	40.63	303.8	41.00
	16	170.2	21.50	202.5	26.65	235.9	31.73	252.0	34.25	268.1	37.20	297.4	42.60	303.8	43.19
	18	170.2	22.12	202.5	27.63	235.9	32.97	252.0	35.92	268.1	39.46	297.4	45.01	303.8	45.37
	20	170.2	22.92	202.5	28.66	235.9	34.90	252.0	38.48	268.1	42.23	297.4	47.16	303.8	47.53
	21	170.2	23.40	202.5	29.35	235.9	36.07	252.0	39.83	268.1	43.77	297.4	48.23	303.8	48.62
	23	170.2	24.79	202.5	31.40	235.9	38.73	252.0	42.71	268.1	46.91	297.4	50.49	303.8	50.92
	25	170.2	26.35	202.5	33.44	235.9	41.36	252.0	45.71	268.1	50.16	297.4	52.65	301.5	53.08
	27	170.2	28.15	202.5	35.74	235.9	44.28	252.0	48.84	268.1	53.33	291.7	55.13	297.7	55.57
	29	170.2	29.94	202.5	38.12	235.9	47.28	252.0	52.20	268.1	56.44	286.1	57.35	293.2	57.82
	31	170.2	31.98	202.5	40.67	235.9	50.41	252.0	55.71	268.1	59.32	282.0	59.58	288.7	60.05
	33	170.2	33.92	202.5	43.30	235.9	53.77	252.0	59.43	268.1	61.55	277.5	61.80	284.2	62.28
	35	170.2	36.07	202.5	46.07	235.9	57.24	252.0	63.38	264.0	63.78	272.3	64.03	279.3	64.54
	37	170.2	38.66	202.5	49.43	235.9	60.64	252.0	66.41	259.9	66.73	267.3	66.99	273.7	67.61
	39	170.2	41.43	202.5	53.08	235.9	64.25	252.0	69.65	255.4	69.95	262.9	70.24	269.2	70.89
	41	167.3	44.21	199.2	56.73	232.1	67.90	241.9	72.90	247.1	73.19	252.8	73.45	261.0	74.14
	43	161.6	46.80	192.4	60.16	224.2	71.15	231.8	75.68	234.4	75.97	241.9	76.19	248.2	76.92
46	151.5	50.34	180.4	64.84	210.0	75.46	211.5	79.25	214.1	79.47	220.9	79.69	226.9	80.46	
48	133.9	43.48	159.4	56.11	181.2	64.51	184.1	67.24	186.0	67.46	192.0	67.61	197.2	68.15	
90	10	153.0	17.16	182.6	20.66	212.3	24.34	226.9	26.22	241.1	28.24	270.8	31.60	300.7	35.16
	12	153.0	17.38	182.6	20.96	212.3	24.75	226.9	26.77	241.1	28.87	270.8	32.22	300.7	35.76
	14	153.0	17.71	182.6	21.39	212.3	25.30	226.9	27.29	241.1	29.39	270.8	32.85	300.7	36.49
	16	153.0	18.01	182.6	21.80	212.3	25.81	226.9	27.80	241.1	29.94	270.8	33.48	300.7	37.12
	18	153.0	18.34	182.6	22.24	212.3	26.22	226.9	28.46	241.1	30.56	270.8	34.21	300.7	38.99
	20	153.0	18.64	182.6	22.65	212.3	26.77	226.9	28.98	241.1	31.71	270.8	36.60	300.7	40.84
	21	153.0	18.86	182.6	22.87	212.3	27.29	226.9	29.94	241.1	32.88	270.8	37.20	300.7	41.79
	23	153.0	19.29	182.6	23.82	212.3	29.20	226.9	32.15	241.1	35.20	270.8	39.47	296.6	43.75
	25	153.0	20.22	182.6	25.41	212.3	31.19	226.9	34.36	241.1	37.60	270.8	42.20	292.1	45.62
	27	153.0	21.61	182.6	27.07	212.3	33.29	226.9	36.67	241.1	40.25	270.8	44.85	288.0	47.76
	29	153.0	22.87	182.6	28.87	212.3	35.61	226.9	39.18	241.1	42.98	270.8	47.51	283.5	49.68
	31	153.0	24.34	182.6	30.78	212.3	37.93	226.9	41.72	241.1	45.84	270.8	49.90	279.4	51.63
	33	153.0	25.92	182.6	32.77	212.3	40.47	226.9	44.45	241.1	48.61	270.8	52.29	274.9	53.54
	35	153.0	27.51	182.6	34.76	212.3	42.98	226.9	47.43	241.1	51.55	266.2	55.31	270.8	56.56
	37	153.0	29.20	182.6	36.97	212.3	45.84	226.9	50.37	241.1	54.42	262.1	57.81	266.6	59.10
	39	153.0	30.90	182.6	39.33	212.3	48.50	226.9	53.61	241.1	57.22	257.6	60.94	262.1	61.68
	41	149.2	34.58	178.1	43.60	207.0	53.25	220.9	58.62	235.1	61.79	246.8	64.22	251.3	65.70
	43	145.5	37.34	173.6	47.13	201.8	58.18	215.6	63.12	229.1	66.25	236.6	68.79	241.1	69.60
46	136.2	42.01	162.7	53.66	189.0	66.28	202.1	71.58	208.2	73.61	216.0	75.49	220.1	75.60	
48	120.4	36.71	144.0	46.95	167.3	58.00	178.5	62.45	180.8	63.41	187.9	64.99	191.3	65.07	
80	10	135.8	14.35	162.0	17.23	188.2	20.22	201.7	21.83	215.2	23.42	241.1	26.70	267.4	28.99
	12	135.8	14.64	162.0	17.44	188.2	20.62	201.7	22.21	215.2	23.82	241.1	27.19	267.4	29.58
	14	135.8	14.83	162.0	17.85	188.2	20.92	201.7	22.61	215.2	24.20	241.1	27.70	267.4	30.14
	16	135.8	15.05	162.0	18.14	188.2	21.32	201.7	23.02	215.2	24.71	241.1	28.29	267.4	30.72
	18	135.8	15.34	162.0	18.44	188.2	21.72	201.7	23.42	215.2	25.20	241.1	28.80	267.4	31.39
	20	135.8	15.64	162.0	18.84	188.2	22.21	201.7	23.90	215.2	25.71	241.1	29.88	267.4	33.24
	21	135.8	15.75	162.0	19.03	188.2	22.42	201.7	24.20	215.2	26.30	241.1	30.84	267.4	34.12
	23	135.8	16.04	162.0	19.33	188.2	23.42	201.7	25.71	215.2	28.10	241.1	32.57	267.4	35.82
	25	135.8	16.64	162.0	20.62	188.2	25.12	201.7	27.51	215.2	30.10	241.1	34.85	267.4	38.29
	27	135.8	17.63	162.0	21.91	188.2	26.81	201.7	29.40	215.2	32.09	241.1	37.03	267.4	40.31
	29	135.8	18.74	162.0	23.42	188.2	28.51	201.7	31.28	215.2	34.27	241.1	39.65	267.4	43.12
	31	135.8	19.92	162.0	24.82	188.2	30.39	201.7	33.38	215.2	36.48	241.1	42.09	267.4	45.29
	33	135.8	21.13	162.0	26.52	188.2	32.38	201.7	35.56	215.2	38.84	241.1	44.34	267.4	47.47
	35	135.8	22.42	162.0	28.10	188.2	34.48	201.7	37.85	215.2	41.46	241.1	47.03	264.4	49.20
	37	135.8	23.72	162.0	29.88	188.2	36.56	201.7	40.24	215.2	44.04	241.1	49.64	260.2	51.45
	39	135.8	25.05	162.0	31.58	188.2	39.10	201.7	43.27	215.2	47.32	241.1	52.45	255.8	54.26
	41	132.4	27.73	157.9	35.00	183.4	42.93	196.5	47.43	209.6	52.01	235.1	58.35	245.2	60.16
	43	129.0	30.51	154.1	38.18	178.9	46.85	191.6	51.71	204.4	56.84	229.1	62.44	235.1	64.40
46	121.1	33.97	144.4	43.01	167.6	52.79	179.6	57.54	191.6	64.14	209.6	68.16	214.5	69.24	
48	107.2	29.65	127.5	37.62	148.1	46.18	159.0	50.27	169.5	56.14	181.9	58.98	186.4	59.61	

# 7. Capacity Tables

Cooling Capacity (90HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	118.9	12.56	142.1	14.93	164.6	17.32	176.3	18.70	188.2	19.99	210.7	22.76	234.0	25.45
	12	118.9	12.75	142.1	15.15	164.6	17.70	176.3	18.99	188.2	20.39	210.7	23.13	234.0	25.93
	14	118.9	12.97	142.1	15.33	164.6	17.99	176.3	19.29	188.2	20.69	210.7	23.64	234.0	26.41
	16	118.9	13.15	142.1	15.63	164.6	18.29	176.3	19.69	188.2	21.06	210.7	24.05	234.0	26.97
	18	118.9	13.34	142.1	15.92	164.6	18.70	176.3	20.07	188.2	21.47	210.7	24.42	234.0	27.45
	20	118.9	13.56	142.1	16.22	164.6	18.99	176.3	20.47	188.2	21.95	210.7	25.02	234.0	28.49
	21	118.9	13.75	142.1	16.33	164.6	19.18	176.3	20.69	188.2	22.17	210.7	25.42	234.0	29.08
	23	118.9	13.96	142.1	16.70	164.6	19.58	176.3	21.36	188.2	23.24	210.7	27.19	234.0	30.71
	25	118.9	14.15	142.1	17.32	164.6	20.87	176.3	22.84	188.2	24.83	210.7	29.08	234.0	32.22
	27	118.9	14.93	142.1	18.51	164.6	22.24	176.3	24.24	188.2	26.52	210.7	31.07	234.0	34.22
	29	118.9	15.92	142.1	19.58	164.6	23.64	176.3	25.82	188.2	28.19	210.7	33.14	234.0	36.65
	31	118.9	16.92	142.1	20.87	164.6	25.23	176.3	27.60	188.2	30.07	210.7	35.32	234.0	38.91
	33	118.9	17.92	142.1	22.06	164.6	26.82	176.3	29.27	188.2	31.96	210.7	37.58	234.0	41.42
	35	118.9	18.88	142.1	23.54	164.6	28.49	176.3	31.15	188.2	34.03	210.7	40.05	234.0	43.93
	37	118.9	20.07	142.1	24.94	164.6	30.26	176.3	33.14	188.2	36.21	210.7	42.64	234.0	46.37
	39	118.9	21.32	142.1	26.60	164.6	32.37	176.3	35.65	188.2	39.12	210.7	45.63	234.0	49.99
	41	115.9	23.57	138.4	29.12	160.5	35.50	171.8	39.09	183.4	42.52	205.1	50.10	228.0	53.91
	43	112.9	25.67	135.0	31.74	156.4	38.72	167.6	42.64	178.9	46.44	200.2	54.75	222.4	58.30
46	105.8	28.52	126.7	35.69	146.6	43.63	157.1	47.51	167.6	52.35	187.5	61.74	208.5	64.96	
48	93.7	24.90	112.1	31.18	129.8	38.13	139.1	41.49	148.1	45.78	165.8	54.05	184.5	56.23	
60	10	101.6	10.81	121.5	12.66	141.4	14.73	151.1	15.80	161.2	16.80	180.8	19.06	200.6	21.32
	12	101.6	10.99	121.5	12.88	141.4	14.92	151.1	16.02	161.2	17.10	180.8	19.35	200.6	21.69
	14	101.6	11.10	121.5	13.06	141.4	15.21	151.1	16.29	161.2	17.39	180.8	19.73	200.6	22.09
	16	101.6	11.29	121.5	13.36	141.4	15.43	151.1	16.58	161.2	17.77	180.8	20.13	200.6	22.50
	18	101.6	11.48	121.5	13.55	141.4	15.73	151.1	16.88	161.2	18.06	180.8	20.43	200.6	22.98
	20	101.6	11.69	121.5	13.73	141.4	16.02	151.1	17.17	161.2	18.36	180.8	20.83	200.6	23.47
	21	101.6	11.77	121.5	13.84	141.4	16.21	151.1	17.39	161.2	18.55	180.8	21.10	200.6	23.65
	23	101.6	11.99	121.5	14.14	141.4	16.40	151.1	17.69	161.2	18.95	180.8	21.91	200.6	25.13
	25	101.6	12.18	121.5	14.43	141.4	17.10	151.1	18.55	161.2	20.13	180.8	23.39	200.6	26.91
	27	101.6	12.58	121.5	15.21	141.4	18.17	151.1	19.73	161.2	21.39	180.8	24.84	200.6	28.68
	29	101.6	13.36	121.5	16.21	141.4	19.35	151.1	21.02	161.2	22.80	180.8	26.50	200.6	30.64
	31	101.6	14.14	121.5	17.17	141.4	20.54	151.1	22.39	161.2	24.24	180.8	28.28	200.6	32.61
	33	101.6	14.92	121.5	18.17	141.4	21.80	151.1	23.76	161.2	25.83	180.8	30.05	200.6	34.75
	35	101.6	15.80	121.5	19.35	141.4	23.17	151.1	25.24	161.2	27.39	180.8	32.01	200.6	36.93
	37	101.6	16.69	121.5	20.43	141.4	24.54	151.1	26.80	161.2	29.06	180.8	33.98	200.6	39.27
	39	101.6	17.76	121.5	21.73	141.4	26.50	151.1	28.76	161.2	31.27	180.8	36.42	200.6	42.08
	41	99.0	19.25	118.5	23.80	137.6	28.79	147.4	31.42	157.1	33.94	176.3	39.97	195.7	45.74
	43	96.7	20.91	115.5	25.91	134.3	31.38	143.6	34.23	153.0	37.04	171.8	43.64	190.8	49.96
46	90.7	23.43	108.3	29.09	126.0	35.27	134.6	38.49	143.6	41.67	161.2	49.18	178.8	56.92	
48	80.2	20.43	95.6	25.39	111.4	30.83	119.2	33.61	126.8	36.42	142.5	43.01	158.2	49.81	
50	10	85.1	9.27	101.6	10.72	117.8	12.20	126.0	13.05	134.2	13.83	150.4	15.61	167.3	17.35
	12	85.1	9.35	101.6	10.82	117.8	12.38	126.0	13.27	134.2	14.13	150.4	15.90	167.3	17.65
	14	85.1	9.45	101.6	11.01	117.8	12.57	126.0	13.46	134.2	14.34	150.4	16.09	167.3	17.94
	16	85.1	9.64	101.6	11.20	117.8	12.76	126.0	13.75	134.2	14.53	150.4	16.38	167.3	18.24
	18	85.1	9.75	101.6	11.31	117.8	12.97	126.0	13.94	134.2	14.83	150.4	16.68	167.3	18.61
	20	85.1	9.86	101.6	11.49	117.8	13.27	126.0	14.13	134.2	15.12	150.4	16.98	167.3	19.02
	21	85.1	9.94	101.6	11.60	117.8	13.35	126.0	14.34	134.2	15.20	150.4	17.16	167.3	19.20
	23	85.1	10.12	101.6	11.79	117.8	13.57	126.0	14.53	134.2	15.50	150.4	17.46	167.3	19.61
	25	85.1	10.23	101.6	11.98	117.8	13.83	126.0	14.83	134.2	15.98	150.4	18.32	167.3	20.95
	27	85.1	10.42	101.6	12.38	117.8	14.61	126.0	15.79	134.2	16.98	150.4	19.61	167.3	22.32
	29	85.1	11.01	101.6	13.16	117.8	15.50	126.0	16.76	134.2	18.02	150.4	20.76	167.3	23.69
	31	85.1	11.60	101.6	13.94	117.8	16.46	126.0	17.76	134.2	19.20	150.4	22.13	167.3	25.25
	33	85.1	12.27	101.6	14.72	117.8	17.46	126.0	18.83	134.2	20.39	150.4	23.50	167.3	26.91
	35	85.1	12.97	101.6	15.61	117.8	18.43	126.0	19.98	134.2	21.54	150.4	24.87	167.3	28.55
	37	85.1	13.75	101.6	16.46	117.8	19.50	126.0	21.17	134.2	22.80	150.4	26.51	167.3	30.32
	39	85.1	14.65	101.6	17.65	117.8	20.88	126.0	22.76	134.2	24.47	150.4	28.25	167.3	32.74
	41	82.9	15.87	99.0	19.13	114.8	22.84	122.7	24.66	130.5	26.51	146.6	30.96	163.1	35.55
	43	81.0	17.24	96.7	20.80	112.1	24.84	119.6	26.84	127.5	28.88	142.9	33.77	159.0	38.78
46	75.7	19.31	90.7	23.32	105.0	27.88	112.1	30.14	119.3	32.40	133.9	38.00	149.2	43.67	
48	67.1	16.83	80.2	20.35	93.0	24.32	99.4	26.32	105.7	28.29	118.5	33.18	132.0	38.18	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN920BTE5

Cooling Capacity (92HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	235.4	27.57	280.6	33.67	300.6	39.06	309.3	39.88	317.8	40.18	333.1	40.52	341.9	40.67
	12	235.4	28.25	280.6	34.87	300.6	40.67	309.3	40.93	317.8	41.27	333.1	41.60	341.9	41.98
	14	235.4	29.18	280.6	36.14	300.6	42.20	309.3	42.51	317.8	42.84	333.1	43.21	341.9	43.59
	16	235.4	30.27	280.6	37.41	300.6	44.11	309.3	44.52	317.8	44.86	333.1	45.27	341.9	45.61
	18	235.4	31.54	280.6	39.58	300.6	46.13	309.3	47.11	317.8	47.48	333.1	47.97	341.9	48.30
	20	235.4	32.92	280.6	42.16	300.6	48.41	309.3	51.82	317.8	52.23	328.5	52.76	337.0	53.13
	21	235.4	33.78	280.6	43.63	300.6	49.42	309.3	54.85	317.8	55.30	326.6	55.82	335.1	56.23
	23	235.4	36.25	280.6	45.91	300.6	51.97	309.3	60.53	313.9	61.02	321.6	61.62	330.4	62.03
	25	235.4	38.72	280.6	48.56	300.6	55.56	305.5	67.12	309.3	67.65	317.8	68.32	326.6	68.80
	27	235.4	41.42	280.6	51.89	296.7	59.19	300.6	73.89	305.5	74.49	313.9	75.24	321.6	75.73
	29	235.4	44.15	280.6	55.48	292.1	63.68	296.3	81.22	300.6	81.71	309.3	82.42	317.8	82.76
	31	235.4	47.10	279.5	58.44	287.1	67.72	292.1	80.86	296.3	81.34	304.4	82.09	313.2	82.42
	33	235.4	50.17	274.8	61.92	283.3	72.66	287.9	80.14	292.1	80.62	300.6	81.34	308.2	81.64
	35	235.4	53.50	269.9	64.84	278.7	78.68	283.3	79.09	287.9	79.55	295.9	80.26	304.4	80.59
	37	235.4	57.06	266.1	68.06	274.8	77.64	278.7	78.04	283.3	78.50	291.0	79.21	299.8	79.51
	39	235.4	60.76	261.4	71.65	269.9	76.62	274.8	77.00	278.7	77.45	287.1	78.16	295.9	78.46
	41	229.6	64.46	250.7	75.21	259.1	75.58	262.9	75.95	268.0	76.40	276.0	77.08	283.6	77.41
	43	223.9	67.98	240.0	74.16	248.4	74.53	252.2	74.90	257.2	75.35	265.2	76.03	272.5	76.33
46	209.7	72.77	218.9	72.62	226.9	72.96	230.4	73.33	235.4	73.78	242.7	74.45	249.5	74.72	
48	185.5	70.72	190.2	70.94	197.4	71.09	200.5	71.28	204.7	71.91	211.2	72.36	217.3	72.62	
120	10	217.8	24.80	259.1	30.41	282.9	36.11	291.7	39.03	300.2	39.66	316.6	39.81	324.3	40.14
	12	217.8	25.48	259.1	31.43	282.9	37.57	291.7	39.85	300.2	41.12	316.6	41.64	324.3	41.94
	14	217.8	26.34	259.1	32.51	282.9	39.10	291.7	41.38	300.2	42.62	316.6	43.25	324.3	43.62
	16	217.8	27.28	259.1	33.82	282.9	40.60	291.7	42.92	300.2	44.60	316.6	45.16	324.3	45.50
	18	217.8	28.36	259.1	35.35	282.9	42.24	291.7	45.19	300.2	46.88	316.6	47.44	324.3	47.81
	20	217.8	29.44	259.1	37.49	282.9	44.49	291.7	47.55	300.2	49.38	316.6	50.02	324.3	50.43
	21	217.8	30.34	259.1	38.84	282.9	45.76	291.7	48.94	300.2	51.00	316.6	51.63	324.3	52.05
	23	217.8	32.43	259.1	41.53	282.9	49.01	291.7	52.01	300.2	54.36	316.6	54.92	324.3	55.37
	25	217.8	34.64	259.1	44.49	282.9	51.71	291.7	55.45	300.2	58.29	312.8	58.78	320.5	59.26
	27	217.8	36.97	259.1	47.59	282.9	55.03	291.7	59.23	300.2	62.67	307.9	63.08	315.8	63.60
	29	217.8	39.44	259.1	50.77	282.9	57.91	291.7	63.38	295.5	66.78	303.2	67.79	311.7	68.32
	31	217.8	42.05	259.1	54.25	282.9	60.91	287.9	67.91	291.7	71.65	299.4	72.92	307.0	73.48
	33	217.8	44.75	259.1	57.81	279.1	64.43	282.9	73.71	286.8	76.92	294.4	77.79	302.1	78.42
	35	217.8	47.59	259.1	61.62	274.5	68.17	278.3	81.22	282.9	81.60	290.6	81.86	298.3	82.50
	37	217.8	51.18	259.1	65.03	270.6	72.69	274.5	79.50	278.3	79.88	286.0	80.14	293.6	80.78
	39	217.8	55.11	258.0	68.73	265.7	77.11	269.5	77.86	273.3	78.27	282.1	78.49	289.8	79.13
	41	212.3	59.01	246.9	72.44	255.3	75.58	258.7	76.25	262.6	76.62	270.2	76.85	277.9	77.45
	43	207.0	63.00	236.5	71.42	244.6	73.89	248.1	74.60	251.9	74.98	259.2	75.20	266.8	75.80
46	194.0	67.72	215.5	69.70	223.5	71.57	226.6	72.14	230.0	72.51	237.2	72.73	244.2	73.30	
48	171.7	66.37	187.1	68.47	194.3	70.15	197.1	70.60	200.1	70.82	206.3	71.09	212.4	71.39	
110	10	199.3	22.30	237.7	27.20	265.3	32.29	273.0	34.95	290.2	37.60	297.1	38.65	317.0	39.29
	12	199.3	23.01	237.7	28.10	265.3	33.63	273.0	35.92	290.2	39.02	297.1	40.29	317.0	41.20
	14	199.3	23.72	237.7	29.37	265.3	35.14	273.0	37.71	290.2	41.00	297.1	42.16	317.0	43.03
	16	199.3	24.55	237.7	30.42	265.3	36.59	273.0	39.36	290.2	42.88	297.1	44.04	317.0	44.82
	18	199.3	25.48	237.7	31.69	265.3	38.72	273.0	41.45	290.2	45.23	297.1	46.13	317.0	46.99
	20	199.3	26.38	237.7	33.30	265.3	41.04	273.0	43.36	290.2	47.44	297.1	48.60	317.0	49.38
	21	199.3	26.97	237.7	34.27	265.3	42.09	273.0	44.52	290.2	48.75	297.1	49.98	317.0	50.77
	23	199.3	28.73	237.7	36.74	265.3	44.45	273.0	46.99	290.2	51.49	297.1	52.60	317.0	53.47
	25	199.3	30.68	237.7	39.21	265.3	46.96	273.0	49.69	290.2	54.40	297.1	55.19	313.2	56.31
	27	199.3	32.78	237.7	41.91	265.3	49.61	273.0	52.57	290.2	56.83	297.1	58.14	308.6	59.11
	29	199.3	35.02	237.7	44.75	265.3	52.45	273.0	55.68	290.2	60.05	297.1	61.10	304.7	62.00
	31	199.3	37.23	237.7	47.70	265.3	55.41	273.0	59.00	285.6	63.11	293.2	64.35	299.8	65.02
	33	199.3	39.70	237.7	50.77	265.3	58.55	273.0	62.52	281.7	66.63	288.3	67.75	296.0	68.13
	35	199.3	42.16	237.7	54.25	265.3	61.84	273.0	66.26	276.8	70.34	283.7	70.97	291.3	71.31
	37	199.3	44.67	237.7	57.58	265.3	65.29	269.1	70.19	272.2	74.16	279.8	74.42	286.4	74.64
	39	199.3	48.19	237.7	61.17	260.7	68.88	264.5	75.09	268.3	77.86	274.9	77.97	282.6	78.05
	41	194.3	51.67	231.5	64.77	249.5	72.62	253.4	81.22	256.5	81.22	264.1	81.86	270.7	82.50
	43	189.4	54.25	225.8	67.49	239.2	77.03	243.0	77.90	246.1	77.74	253.4	78.16	259.9	78.38
46	177.5	52.94	211.6	65.14	218.1	73.11	221.9	73.11	224.7	73.74	231.6	74.15	237.7	74.34	
48	157.1	51.41	184.0	62.78	189.4	69.55	192.8	70.01	195.5	70.37	201.6	70.56	206.7	70.83	

# 7. Capacity Tables

Cooling Capacity (92HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	174.0	20.09	207.0	24.40	241.1	28.96	257.6	31.28	274.1	33.63	304.0	37.42	310.5	37.72
	12	174.0	20.73	207.0	25.40	241.1	29.93	257.6	32.14	274.1	34.68	304.0	39.43	310.5	39.81
	14	174.0	21.37	207.0	26.42	241.1	31.20	257.6	33.52	274.1	36.18	304.0	41.64	310.5	42.02
	16	174.0	22.03	207.0	27.31	241.1	32.52	257.6	35.10	274.1	38.13	304.0	43.66	310.5	44.26
	18	174.0	22.67	207.0	28.32	241.1	33.79	257.6	36.82	274.1	40.44	304.0	46.13	310.5	46.50
	20	174.0	23.49	207.0	29.37	241.1	35.76	257.6	39.44	274.1	43.28	304.0	48.34	310.5	48.71
	21	174.0	23.98	207.0	30.08	241.1	36.97	257.6	40.82	274.1	44.86	304.0	49.43	310.5	49.83
	23	174.0	25.40	207.0	32.18	241.1	39.70	257.6	43.77	274.1	48.08	304.0	51.75	310.5	52.19
	25	174.0	27.01	207.0	34.27	241.1	42.39	257.6	46.84	274.1	51.41	304.0	53.95	308.2	54.40
	27	174.0	28.85	207.0	36.63	241.1	45.38	257.6	50.06	274.1	54.66	298.2	56.50	304.4	56.95
	29	174.0	30.68	207.0	39.06	241.1	48.45	257.6	53.50	274.1	57.84	292.5	58.78	299.8	59.26
	31	174.0	32.78	207.0	41.68	241.1	51.67	257.6	57.09	274.1	60.79	288.2	61.06	295.2	61.55
	33	174.0	34.76	207.0	44.37	241.1	55.11	257.6	60.91	274.1	63.08	283.6	63.34	290.6	63.83
	35	174.0	36.97	207.0	47.22	241.1	58.67	257.6	64.95	269.9	65.36	278.3	65.62	285.5	66.15
	37	174.0	39.62	207.0	50.66	241.1	62.15	257.6	68.06	265.6	68.39	273.3	68.66	279.8	69.29
	39	174.0	42.46	207.0	54.40	241.1	65.85	257.6	71.39	261.1	71.69	268.7	71.98	275.2	72.65
	41	171.0	45.31	203.6	58.14	237.3	69.59	247.2	74.72	252.6	75.01	258.4	75.28	266.8	75.99
	43	165.2	47.96	196.7	61.66	229.2	72.92	236.9	77.56	239.6	77.86	247.2	78.09	253.7	78.83
46	154.9	51.59	184.4	66.45	214.7	77.33	216.2	81.22	218.8	81.45	225.8	81.68	231.9	82.46	
48	136.9	44.56	163.0	57.51	185.2	66.11	188.2	68.91	190.1	69.14	196.3	69.29	201.6	69.85	
90	10	156.4	17.49	186.7	21.05	217.0	24.81	231.9	26.72	246.5	28.78	276.8	32.20	307.4	35.84
	12	156.4	17.71	186.7	21.36	217.0	25.22	231.9	27.28	246.5	29.42	276.8	32.84	307.4	36.44
	14	156.4	18.05	186.7	21.80	217.0	25.78	231.9	27.81	246.5	29.95	276.8	33.48	307.4	37.19
	16	156.4	18.35	186.7	22.22	217.0	26.31	231.9	28.34	246.5	30.51	276.8	34.12	307.4	37.83
	18	156.4	18.69	186.7	22.67	217.0	26.72	231.9	29.01	246.5	31.15	276.8	34.87	307.4	39.74
	20	156.4	18.99	186.7	23.08	217.0	27.28	231.9	29.53	246.5	32.31	276.8	37.31	307.4	41.62
	21	156.4	19.22	186.7	23.30	217.0	27.81	231.9	30.51	246.5	33.51	276.8	37.91	307.4	42.59
	23	156.4	19.66	186.7	24.28	217.0	29.76	231.9	32.76	246.5	35.88	276.8	40.23	303.2	44.59
	25	156.4	20.61	186.7	25.89	217.0	31.79	231.9	35.01	246.5	38.32	276.8	43.01	298.6	46.50
	27	156.4	22.03	186.7	27.59	217.0	33.93	231.9	37.38	246.5	41.02	276.8	45.71	294.4	48.68
	29	156.4	23.30	186.7	29.42	217.0	36.29	231.9	39.93	246.5	43.80	276.8	48.42	289.8	50.63
	31	156.4	24.81	186.7	31.37	217.0	38.66	231.9	42.52	246.5	46.72	276.8	50.85	285.6	52.61
	33	156.4	26.42	186.7	33.40	217.0	41.24	231.9	45.30	246.5	49.54	276.8	53.29	281.0	54.57
	35	156.4	28.03	186.7	35.43	217.0	43.80	231.9	48.33	246.5	52.54	272.2	56.37	276.8	57.65
	37	156.4	29.76	186.7	37.68	217.0	46.72	231.9	51.34	246.5	55.47	267.9	58.92	272.5	60.24
	39	156.4	31.49	186.7	40.08	217.0	49.43	231.9	54.64	246.5	58.32	263.4	62.11	268.0	62.86
	41	152.5	35.24	182.1	44.44	211.6	54.27	225.8	59.75	240.3	62.97	252.3	65.45	256.8	66.95
	43	148.7	38.05	177.5	48.04	206.3	59.29	220.4	64.33	234.2	67.51	241.9	70.10	246.5	70.93
46	139.2	42.82	166.4	54.68	193.2	67.55	206.6	72.95	212.8	75.02	220.8	76.94	225.0	77.05	
48	123.1	37.42	147.2	47.85	171.0	59.11	182.5	63.65	184.8	64.63	192.0	66.24	195.5	66.32	
80	10	138.8	14.65	165.6	17.59	192.4	20.64	206.2	22.29	220.0	23.91	246.5	27.26	273.3	29.60
	12	138.8	14.95	165.6	17.81	192.4	21.05	206.2	22.67	220.0	24.32	246.5	27.76	273.3	30.20
	14	138.8	15.14	165.6	18.22	192.4	21.35	206.2	23.09	220.0	24.71	246.5	28.28	273.3	30.77
	16	138.8	15.36	165.6	18.52	192.4	21.77	206.2	23.50	220.0	25.23	246.5	28.88	273.3	31.37
	18	138.8	15.67	165.6	18.83	192.4	22.18	206.2	23.91	220.0	25.72	246.5	29.41	273.3	32.05
	20	138.8	15.97	165.6	19.24	192.4	22.67	206.2	24.40	220.0	26.25	246.5	30.51	273.3	33.93
	21	138.8	16.08	165.6	19.43	192.4	22.89	206.2	24.71	220.0	26.85	246.5	31.48	273.3	34.84
	23	138.8	16.38	165.6	19.73	192.4	23.91	206.2	26.25	220.0	28.69	246.5	33.25	273.3	36.57
	25	138.8	16.98	165.6	21.05	192.4	25.64	206.2	28.09	220.0	30.73	246.5	35.58	273.3	39.09
	27	138.8	18.00	165.6	22.37	192.4	27.37	206.2	30.01	220.0	32.76	246.5	37.81	273.3	41.16
	29	138.8	19.13	165.6	23.91	192.4	29.11	206.2	31.94	220.0	34.99	246.5	40.49	273.3	44.03
	31	138.8	20.34	165.6	25.34	192.4	31.03	206.2	34.08	220.0	37.24	246.5	42.97	273.3	46.24
	33	138.8	21.58	165.6	27.07	192.4	33.06	206.2	36.31	220.0	39.66	246.5	45.27	273.3	48.47
	35	138.8	22.89	165.6	28.69	192.4	35.21	206.2	38.64	220.0	42.33	246.5	48.01	270.3	50.24
	37	138.8	24.21	165.6	30.50	192.4	37.32	206.2	41.09	220.0	44.96	246.5	50.68	266.0	52.53
	39	138.8	25.57	165.6	32.24	192.4	39.92	206.2	44.17	220.0	48.32	246.5	53.55	261.5	55.40
	41	135.3	28.32	161.4	35.74	187.4	43.83	200.9	48.43	214.3	53.10	240.3	59.58	250.7	61.42
	43	131.9	31.15	157.5	38.98	182.8	47.83	195.9	52.79	208.9	58.03	234.2	63.75	240.3	65.75
46	123.8	34.68	147.6	43.91	171.3	53.89	183.6	58.75	195.9	65.48	214.3	69.59	219.3	70.69	
48	109.6	30.28	130.4	38.41	151.4	47.15	162.5	51.33	173.3	57.31	186.0	60.22	190.5	60.86	



# 7. Capacity Tables

Cooling Capacity (92HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	121.5	12.85	145.3	15.27	168.3	17.72	180.2	19.12	192.4	20.44	215.4	23.28	239.2	26.04
	12	121.5	13.04	145.3	15.49	168.3	18.10	180.2	19.42	192.4	20.86	215.4	23.66	239.2	26.53
	14	121.5	13.26	145.3	15.68	168.3	18.41	180.2	19.73	192.4	21.16	215.4	24.18	239.2	27.02
	16	121.5	13.45	145.3	15.99	168.3	18.71	180.2	20.14	192.4	21.54	215.4	24.60	239.2	27.59
	18	121.5	13.65	145.3	16.29	168.3	19.12	180.2	20.52	192.4	21.96	215.4	24.98	239.2	28.08
	20	121.5	13.87	145.3	16.59	168.3	19.42	180.2	20.94	192.4	22.45	215.4	25.59	239.2	29.14
	21	121.5	14.06	145.3	16.70	168.3	19.62	180.2	21.16	192.4	22.67	215.4	26.00	239.2	29.74
	23	121.5	14.28	145.3	17.08	168.3	20.03	180.2	21.84	192.4	23.77	215.4	27.82	239.2	31.41
	25	121.5	14.47	145.3	17.72	168.3	21.35	180.2	23.36	192.4	25.39	215.4	29.74	239.2	32.95
	27	121.5	15.27	145.3	18.93	168.3	22.75	180.2	24.79	192.4	27.13	215.4	31.78	239.2	35.00
	29	121.5	16.29	145.3	20.03	168.3	24.18	180.2	26.41	192.4	28.83	215.4	33.90	239.2	37.49
	31	121.5	17.31	145.3	21.35	168.3	25.81	180.2	28.23	192.4	30.76	215.4	36.13	239.2	39.79
	33	121.5	18.32	145.3	22.56	168.3	27.43	180.2	29.93	192.4	32.69	215.4	38.44	239.2	42.36
	35	121.5	19.31	145.3	24.08	168.3	29.14	180.2	31.86	192.4	34.80	215.4	40.97	239.2	44.93
	37	121.5	20.52	145.3	25.51	168.3	30.95	180.2	33.90	192.4	37.03	215.4	43.61	239.2	47.42
	39	121.5	21.81	145.3	27.21	168.3	33.10	180.2	36.47	192.4	40.02	215.4	46.67	239.2	51.13
	41	118.4	24.11	141.5	29.78	164.1	36.31	175.6	39.98	187.4	43.49	209.7	51.25	233.1	55.14
	43	115.4	26.26	138.0	32.46	159.9	39.61	171.4	43.61	182.8	47.50	204.7	56.00	227.3	59.63
46	108.1	29.17	129.5	36.51	149.9	44.63	160.6	48.59	171.3	53.54	191.7	63.15	213.1	66.44	
48	95.8	25.47	114.6	31.89	132.6	39.00	142.2	42.44	151.4	46.82	169.5	55.28	188.6	57.52	
60	10	103.9	11.07	124.2	12.97	144.5	15.09	154.5	16.19	164.8	17.22	184.8	19.53	205.1	21.84
	12	103.9	11.26	124.2	13.19	144.5	15.29	154.5	16.42	164.8	17.52	184.8	19.83	205.1	22.23
	14	103.9	11.38	124.2	13.39	144.5	15.59	154.5	16.69	164.8	17.82	184.8	20.22	205.1	22.64
	16	103.9	11.57	124.2	13.69	144.5	15.81	154.5	16.99	164.8	18.21	184.8	20.63	205.1	23.05
	18	103.9	11.76	124.2	13.88	144.5	16.11	154.5	17.30	164.8	18.51	184.8	20.93	205.1	23.55
	20	103.9	11.98	124.2	14.07	144.5	16.42	154.5	17.60	164.8	18.81	184.8	21.35	205.1	24.04
	21	103.9	12.06	124.2	14.18	144.5	16.61	154.5	17.82	164.8	19.00	184.8	21.62	205.1	24.24
	23	103.9	12.28	124.2	14.49	144.5	16.80	154.5	18.12	164.8	19.42	184.8	22.45	205.1	25.75
	25	103.9	12.48	124.2	14.79	144.5	17.52	154.5	19.00	164.8	20.63	184.8	23.96	205.1	27.57
	27	103.9	12.89	124.2	15.59	144.5	18.62	154.5	20.22	164.8	21.92	184.8	25.45	205.1	29.39
	29	103.9	13.69	124.2	16.61	144.5	19.83	154.5	21.54	164.8	23.36	184.8	27.16	205.1	31.40
	31	103.9	14.49	124.2	17.60	144.5	21.04	154.5	22.94	164.8	24.84	184.8	28.97	205.1	33.41
	33	103.9	15.29	124.2	18.62	144.5	22.34	154.5	24.35	164.8	26.47	184.8	30.79	205.1	35.61
	35	103.9	16.19	124.2	19.83	144.5	23.74	154.5	25.86	164.8	28.07	184.8	32.80	205.1	37.85
	37	103.9	17.10	124.2	20.93	144.5	25.15	154.5	27.46	164.8	29.77	184.8	34.81	205.1	40.24
	39	103.9	18.20	124.2	22.26	144.5	27.15	154.5	29.47	164.8	32.05	184.8	37.32	205.1	43.12
	41	101.2	19.72	121.1	24.38	140.7	29.50	150.6	32.20	160.6	34.78	180.2	40.96	200.1	46.87
	43	98.9	21.43	118.1	26.54	137.2	32.16	146.8	35.08	156.4	37.96	175.6	44.71	195.1	51.20
46	92.7	24.01	110.7	29.81	128.8	36.14	137.6	39.44	146.8	42.70	164.8	50.40	182.8	58.33	
48	82.0	20.93	97.8	26.01	113.8	31.59	121.9	34.44	129.6	37.32	145.7	44.07	161.7	51.04	
50	10	87.0	9.51	103.9	11.00	120.4	12.52	128.8	13.40	137.2	14.20	153.7	16.02	171.0	17.81
	12	87.0	9.59	103.9	11.11	120.4	12.71	128.8	13.62	137.2	14.50	153.7	16.32	171.0	18.12
	14	87.0	9.71	103.9	11.30	120.4	12.90	128.8	13.81	137.2	14.73	153.7	16.52	171.0	18.42
	16	87.0	9.90	103.9	11.50	120.4	13.10	128.8	14.12	137.2	14.92	153.7	16.82	171.0	18.72
	18	87.0	10.01	103.9	11.61	120.4	13.32	128.8	14.31	137.2	15.22	153.7	17.12	171.0	19.11
	20	87.0	10.12	103.9	11.80	120.4	13.62	128.8	14.50	137.2	15.52	153.7	17.43	171.0	19.52
	21	87.0	10.20	103.9	11.91	120.4	13.70	128.8	14.73	137.2	15.61	153.7	17.62	171.0	19.71
	23	87.0	10.39	103.9	12.10	120.4	13.93	128.8	14.92	137.2	15.91	153.7	17.92	171.0	20.13
	25	87.0	10.51	103.9	12.30	120.4	14.20	128.8	15.22	137.2	16.41	153.7	18.80	171.0	21.51
	27	87.0	10.70	103.9	12.71	120.4	15.00	128.8	16.21	137.2	17.43	153.7	20.13	171.0	22.91
	29	87.0	11.30	103.9	13.51	120.4	15.91	128.8	17.21	137.2	18.50	153.7	21.31	171.0	24.32
	31	87.0	11.91	103.9	14.31	120.4	16.90	128.8	18.23	137.2	19.71	153.7	22.72	171.0	25.92
	33	87.0	12.60	103.9	15.11	120.4	17.92	128.8	19.33	137.2	20.93	153.7	24.13	171.0	27.63
	35	87.0	13.32	103.9	16.02	120.4	18.92	128.8	20.51	137.2	22.11	153.7	25.53	171.0	29.31
	37	87.0	14.12	103.9	16.90	120.4	20.02	128.8	21.73	137.2	23.41	153.7	27.21	171.0	31.13
	39	87.0	15.04	103.9	18.12	120.4	21.43	128.8	23.37	137.2	25.12	153.7	29.00	171.0	33.61
	41	84.7	16.29	101.2	19.64	117.3	23.45	125.4	25.31	133.4	27.22	149.8	31.78	166.7	36.50
	43	82.8	17.70	98.9	21.35	114.6	25.50	122.3	27.56	130.3	29.65	146.0	34.67	162.6	39.81
46	77.4	19.83	92.7	23.94	107.3	28.62	114.6	30.95	121.9	33.27	136.8	39.01	152.5	44.83	
48	68.6	17.28	82.0	20.89	95.0	24.97	101.6	27.02	108.1	29.04	121.1	34.07	134.9	39.20	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



## 7. Capacity Tables

## ◆ ARUN940BTE5

Cooling Capacity (94HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	240.5	28.63	286.7	34.97	307.1	40.56	316.0	41.41	324.7	41.72	340.4	42.07	349.3	42.23
	12	240.5	29.33	286.7	36.21	307.1	42.23	316.0	42.50	324.7	42.85	340.4	43.20	349.3	43.58
	14	240.5	30.30	286.7	37.53	307.1	43.82	316.0	44.13	324.7	44.48	340.4	44.86	349.3	45.25
	16	240.5	31.42	286.7	38.85	307.1	45.80	316.0	46.22	324.7	46.58	340.4	47.00	349.3	47.36
	18	240.5	32.74	286.7	41.10	307.1	47.90	316.0	48.91	324.7	49.30	340.4	49.80	349.3	50.15
	20	240.5	34.18	286.7	43.78	307.1	50.26	316.0	53.81	324.7	54.23	335.6	54.78	344.3	55.16
	21	240.5	35.08	286.7	45.30	307.1	51.31	316.0	56.95	324.7	57.41	333.7	57.96	342.3	58.38
	23	240.5	37.64	286.7	47.67	307.1	53.96	316.0	62.85	320.7	63.36	328.6	63.98	337.6	64.41
	25	240.5	40.20	286.7	50.42	307.1	57.68	312.2	69.69	316.0	70.24	324.7	70.94	333.7	71.44
	27	240.5	43.00	286.7	53.88	303.2	61.46	307.1	76.72	312.2	77.34	320.7	78.12	328.6	78.63
	29	240.5	45.84	286.7	57.61	298.4	66.12	302.7	84.33	307.1	84.84	316.0	85.58	324.7	85.93
	31	240.5	48.91	285.6	60.68	293.4	70.32	298.4	83.95	302.7	84.46	311.0	85.23	320.0	85.58
	33	240.5	52.09	280.8	64.29	289.5	75.44	294.2	83.21	298.4	83.71	307.1	84.45	314.9	84.77
	35	240.5	55.55	275.7	67.32	284.7	81.70	289.5	82.12	294.2	82.59	302.3	83.33	311.0	83.68
	37	240.5	59.24	271.8	70.66	280.8	80.61	284.7	81.03	289.5	81.50	297.3	82.24	306.3	82.55
	39	240.5	63.09	267.1	74.39	275.7	79.56	280.8	79.95	284.7	80.42	293.4	81.15	302.3	81.46
	41	234.6	66.93	256.1	78.09	264.7	78.47	268.7	78.86	273.8	79.33	282.0	80.03	289.8	80.37
	43	228.7	70.58	245.2	77.00	253.8	77.38	257.7	77.77	262.8	78.24	271.0	78.94	278.4	79.25
46	214.3	75.55	223.7	75.40	231.9	75.76	235.4	76.14	240.5	76.61	247.9	77.30	254.9	77.58	
48	189.6	73.42	194.3	73.65	201.7	73.81	204.8	74.01	209.2	74.66	215.8	75.13	222.0	75.41	
120	10	222.5	25.75	264.7	31.58	289.1	37.49	298.0	40.52	306.7	41.18	323.5	41.34	331.4	41.68
	12	222.5	26.45	264.7	32.63	289.1	39.01	298.0	41.38	306.7	42.69	323.5	43.23	331.4	43.55
	14	222.5	27.35	264.7	33.75	289.1	40.59	298.0	42.96	306.7	44.25	323.5	44.91	331.4	45.29
	16	222.5	28.32	264.7	35.12	289.1	42.15	298.0	44.56	306.7	46.31	323.5	46.89	331.4	47.24
	18	222.5	29.45	264.7	36.71	289.1	43.86	298.0	46.92	306.7	48.68	323.5	49.25	331.4	49.64
	20	222.5	30.57	264.7	38.92	289.1	46.19	298.0	49.37	306.7	51.28	323.5	51.94	331.4	52.36
	21	222.5	31.50	264.7	40.32	289.1	47.51	298.0	50.81	306.7	52.95	323.5	53.61	331.4	54.04
	23	222.5	33.68	264.7	43.12	289.1	50.89	298.0	54.00	306.7	56.45	323.5	57.03	331.4	57.49
	25	222.5	35.97	264.7	46.19	289.1	53.69	298.0	57.57	306.7	60.53	319.6	61.03	327.4	61.53
	27	222.5	38.39	264.7	49.41	289.1	57.14	298.0	61.50	306.7	65.07	314.5	65.50	322.7	66.04
	29	222.5	40.95	264.7	52.72	289.1	60.13	298.0	65.81	301.9	69.34	309.8	70.39	318.5	70.94
	31	222.5	43.66	264.7	56.33	289.1	63.24	294.1	70.51	298.0	74.39	305.9	75.71	313.7	76.30
	33	222.5	46.46	264.7	60.02	285.2	66.89	289.1	76.53	293.0	79.87	300.8	80.76	308.7	81.42
	35	222.5	49.41	264.7	63.99	280.4	70.78	284.3	84.33	289.1	84.73	296.9	85.00	304.7	85.66
	37	222.5	53.14	264.7	67.52	276.5	75.48	280.4	82.55	284.3	82.94	292.2	83.21	300.0	83.87
	39	222.5	57.22	263.6	71.37	271.5	80.06	275.4	80.84	279.3	81.27	288.3	81.50	296.1	82.16
	41	217.0	61.27	252.2	75.21	260.8	78.47	264.4	79.17	268.3	79.56	276.1	79.79	283.9	80.42
	43	211.5	65.42	241.6	74.16	249.9	76.72	253.4	77.46	257.3	77.85	264.8	78.08	272.6	78.70
46	198.2	70.32	220.2	72.37	228.3	74.31	231.5	74.90	235.0	75.29	242.4	75.52	249.5	76.10	
48	175.4	68.91	191.2	71.09	198.5	72.84	201.3	73.30	204.5	73.54	210.7	73.81	217.0	74.12	
110	10	203.7	23.15	242.8	28.24	271.1	33.52	278.9	36.28	296.5	39.04	303.5	40.13	323.9	40.79
	12	203.7	23.89	242.8	29.17	271.1	34.92	278.9	37.30	296.5	40.52	303.5	41.83	323.9	42.78
	14	203.7	24.63	242.8	30.49	271.1	36.48	278.9	39.16	296.5	42.57	303.5	43.78	323.9	44.68
	16	203.7	25.49	242.8	31.59	271.1	38.00	278.9	40.87	296.5	44.52	303.5	45.73	323.9	46.54
	18	203.7	26.45	242.8	32.91	271.1	40.20	278.9	43.04	296.5	46.97	303.5	47.90	323.9	48.79
	20	203.7	27.39	242.8	34.57	271.1	42.62	278.9	45.02	296.5	49.25	303.5	50.46	323.9	51.28
	21	203.7	28.01	242.8	35.58	271.1	43.71	278.9	46.23	296.5	50.62	303.5	51.90	323.9	52.71
	23	203.7	29.83	242.8	38.15	271.1	46.15	278.9	48.79	296.5	53.46	303.5	54.62	323.9	55.51
	25	203.7	31.86	242.8	40.71	271.1	48.76	278.9	51.59	296.5	56.49	303.5	57.30	320.0	58.47
	27	203.7	34.03	242.8	43.51	271.1	51.52	278.9	54.58	296.5	59.01	303.5	60.36	315.3	61.38
	29	203.7	36.36	242.8	46.46	271.1	54.46	278.9	57.81	296.5	62.35	303.5	63.44	311.4	64.37
	31	203.7	38.65	242.8	49.53	271.1	57.54	278.9	61.26	291.8	65.53	299.6	66.81	306.3	67.51
	33	203.7	41.22	242.8	52.72	271.1	60.80	278.9	64.91	287.8	69.19	294.6	70.35	302.4	70.74
	35	203.7	43.78	242.8	56.33	271.1	64.21	278.9	68.80	282.8	73.03	289.8	73.69	297.7	74.05
	37	203.7	46.39	242.8	59.78	271.1	67.79	275.0	72.88	278.1	77.00	285.9	77.27	292.6	77.50
	39	203.7	50.03	242.8	63.52	266.3	71.52	270.2	77.96	274.2	80.84	280.9	80.96	288.7	81.04
	41	198.5	53.65	236.6	67.25	254.9	75.41	258.9	84.33	262.1	84.33	269.9	85.00	276.5	85.66
	43	193.5	56.33	230.7	70.08	244.4	79.99	248.3	80.88	251.5	80.72	258.9	81.15	265.5	81.39
46	181.3	54.97	216.2	67.64	222.9	75.91	226.8	75.91	229.6	76.57	236.6	76.99	242.8	77.19	
48	160.5	53.38	188.0	65.18	193.5	72.22	197.0	72.69	199.7	73.07	206.0	73.26	211.2	73.54	

# 7. Capacity Tables

Cooling Capacity (94HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	177.8	20.86	211.5	25.33	246.3	30.07	263.2	32.48	280.1	34.92	310.6	38.85	317.3	39.16
	12	177.8	21.52	211.5	26.38	246.3	31.08	263.2	33.37	280.1	36.01	310.6	40.94	317.3	41.34
	14	177.8	22.18	211.5	27.43	246.3	32.40	263.2	34.81	280.1	37.57	310.6	43.24	317.3	43.63
	16	177.8	22.88	211.5	28.35	246.3	33.76	263.2	36.44	280.1	39.59	310.6	45.33	317.3	45.96
	18	177.8	23.54	211.5	29.40	246.3	35.08	263.2	38.23	280.1	41.99	310.6	47.90	317.3	48.28
	20	177.8	24.39	211.5	30.50	246.3	37.13	263.2	40.95	280.1	44.94	310.6	50.19	317.3	50.58
	21	177.8	24.90	211.5	31.23	246.3	38.39	263.2	42.38	280.1	46.58	310.6	51.32	317.3	51.74
	23	177.8	26.38	211.5	33.41	246.3	41.22	263.2	45.45	280.1	49.92	310.6	53.73	317.3	54.19
	25	177.8	28.04	211.5	35.58	246.3	44.02	263.2	48.64	280.1	53.38	310.6	56.02	314.9	56.48
	27	177.8	29.95	211.5	38.03	246.3	47.12	263.2	51.98	280.1	56.75	304.7	58.66	311.0	59.13
	29	177.8	31.86	211.5	40.56	246.3	50.31	263.2	55.55	280.1	60.06	298.8	61.03	306.3	61.53
	31	177.8	34.03	211.5	43.27	246.3	53.64	263.2	59.28	280.1	63.12	294.5	63.40	301.6	63.90
	33	177.8	36.09	211.5	46.07	246.3	57.22	263.2	63.24	280.1	65.49	289.8	65.77	296.9	66.28
	35	177.8	38.39	211.5	49.02	246.3	60.92	263.2	67.44	275.8	67.86	284.4	68.13	291.8	68.68
	37	177.8	41.14	211.5	52.60	246.3	64.53	263.2	70.66	271.4	71.01	279.2	71.29	285.9	71.95
	39	177.8	44.09	211.5	56.48	246.3	68.38	263.2	74.12	266.7	74.44	274.6	74.74	281.2	75.44
	41	174.7	47.05	208.0	60.37	242.4	72.25	252.6	77.58	258.1	77.89	264.0	78.16	272.6	78.90
	43	168.8	49.80	200.9	64.02	234.2	75.71	242.1	80.53	244.8	80.84	252.6	81.08	259.2	81.85
46	158.2	53.57	188.4	69.00	219.3	80.29	220.9	84.33	223.6	84.57	230.7	84.81	236.9	85.62	
48	139.9	46.26	166.5	59.71	189.2	68.64	192.3	71.55	194.2	71.79	200.5	71.94	206.0	72.52	
90	10	159.8	18.11	190.8	21.79	221.7	25.68	236.9	27.66	251.9	29.80	282.8	33.34	314.1	37.10
	12	159.8	18.34	190.8	22.11	221.7	26.11	236.9	28.24	251.9	30.46	282.8	34.00	314.1	37.73
	14	159.8	18.68	190.8	22.57	221.7	26.69	236.9	28.79	251.9	31.00	282.8	34.66	314.1	38.50
	16	159.8	19.00	190.8	23.00	221.7	27.23	236.9	29.33	251.9	31.58	282.8	35.32	314.1	39.16
	18	159.8	19.35	190.8	23.46	221.7	27.66	236.9	30.03	251.9	32.24	282.8	36.09	314.1	41.14
	20	159.8	19.66	190.8	23.89	221.7	28.24	236.9	30.57	251.9	33.45	282.8	38.62	314.1	43.09
	21	159.8	19.89	190.8	24.12	221.7	28.79	236.9	31.58	251.9	34.69	282.8	39.24	314.1	44.09
	23	159.8	20.35	190.8	25.13	221.7	30.80	236.9	33.91	251.9	37.14	282.8	41.64	309.8	46.16
	25	159.8	21.33	190.8	26.80	221.7	32.91	236.9	36.24	251.9	39.67	282.8	44.52	305.1	48.13
	27	159.8	22.80	190.8	28.56	221.7	35.12	236.9	38.69	251.9	42.46	282.8	47.32	300.8	50.39
	29	159.8	24.12	190.8	30.46	221.7	37.57	236.9	41.34	251.9	45.34	282.8	50.12	296.1	52.41
	31	159.8	25.68	190.8	32.47	221.7	40.02	236.9	44.02	251.9	48.36	282.8	52.64	291.8	54.46
	33	159.8	27.35	190.8	34.57	221.7	42.69	236.9	46.90	251.9	51.28	282.8	55.17	287.1	56.49
	35	159.8	29.02	190.8	36.68	221.7	45.34	236.9	50.03	251.9	54.39	278.1	58.35	282.8	59.68
	37	159.8	30.80	190.8	39.01	221.7	48.37	236.9	53.14	251.9	57.42	273.7	60.99	278.4	62.35
	39	159.8	32.60	190.8	41.49	221.7	51.17	236.9	56.56	251.9	60.37	269.1	64.30	273.8	65.07
	41	155.8	36.48	186.0	46.00	216.2	56.18	230.7	61.85	245.6	65.19	257.8	67.76	262.4	69.31
	43	151.9	39.39	181.3	49.73	210.7	61.38	225.2	66.59	239.3	69.89	247.2	72.57	251.8	73.43
46	142.2	44.33	170.0	56.61	197.4	69.93	211.1	75.52	217.4	77.66	225.6	79.64	229.9	79.76	
48	125.8	38.73	150.4	49.53	174.7	61.18	186.5	65.88	188.8	66.90	196.2	68.57	199.8	68.65	
80	10	141.8	15.11	169.2	18.14	196.6	21.29	210.7	22.99	224.8	24.66	251.9	28.12	279.2	30.53
	12	141.8	15.42	169.2	18.37	196.6	21.72	210.7	23.39	224.8	25.09	251.9	28.63	279.2	31.15
	14	141.8	15.62	169.2	18.80	196.6	22.03	210.7	23.81	224.8	25.49	251.9	29.17	279.2	31.74
	16	141.8	15.85	169.2	19.11	196.6	22.45	210.7	24.24	224.8	26.02	251.9	29.79	279.2	32.35
	18	141.8	16.16	169.2	19.42	196.6	22.88	210.7	24.66	224.8	26.53	251.9	30.33	279.2	33.05
	20	141.8	16.47	169.2	19.85	196.6	23.39	210.7	25.17	224.8	27.07	251.9	31.47	279.2	35.00
	21	141.8	16.58	169.2	20.04	196.6	23.62	210.7	25.49	224.8	27.70	251.9	32.47	279.2	35.93
	23	141.8	16.90	169.2	20.35	196.6	24.66	210.7	27.07	224.8	29.60	251.9	34.30	279.2	37.72
	25	141.8	17.52	169.2	21.72	196.6	26.45	210.7	28.97	224.8	31.69	251.9	36.70	279.2	40.32
	27	141.8	18.57	169.2	23.08	196.6	28.24	210.7	30.96	224.8	33.79	251.9	39.00	279.2	42.45
	29	141.8	19.73	169.2	24.66	196.6	30.02	210.7	32.94	224.8	36.09	251.9	41.76	279.2	45.41
	31	141.8	20.98	169.2	26.14	196.6	32.01	210.7	35.15	224.8	38.41	251.9	44.32	279.2	47.70
	33	141.8	22.25	169.2	27.92	196.6	34.10	210.7	37.45	224.8	40.91	251.9	46.69	279.2	50.00
	35	141.8	23.62	169.2	29.60	196.6	36.32	210.7	39.86	224.8	43.66	251.9	49.53	276.1	51.82
	37	141.8	24.98	169.2	31.46	196.6	38.50	210.7	42.38	224.8	46.38	251.9	52.28	271.8	54.19
	39	141.8	26.38	169.2	33.25	196.6	41.18	210.7	45.57	224.8	49.84	251.9	55.23	267.2	57.14
	41	138.3	29.21	164.9	36.86	191.5	45.21	205.2	49.95	218.9	54.77	245.6	61.45	256.1	63.35
	43	134.8	32.13	160.9	40.21	186.8	49.34	200.1	54.46	213.5	59.86	239.3	65.76	245.6	67.82
46	126.5	35.77	150.8	45.29	175.0	55.59	187.6	60.60	200.1	67.55	218.9	71.78	224.0	72.91	
48	112.0	31.23	133.2	39.62	154.7	48.63	166.0	52.94	177.0	59.12	190.0	62.12	194.7	62.77	

# 7. Capacity Tables

Cooling Capacity (94HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	124.1	13.21	148.5	15.69	172.0	18.21	184.1	19.65	196.6	21.01	220.1	23.92	244.4	26.76
	12	124.1	13.40	148.5	15.92	172.0	18.61	184.1	19.96	196.6	21.43	220.1	24.32	244.4	27.26
	14	124.1	13.63	148.5	16.12	172.0	18.92	184.1	20.27	196.6	21.75	220.1	24.86	244.4	27.77
	16	124.1	13.83	148.5	16.43	172.0	19.23	184.1	20.70	196.6	22.14	220.1	25.28	244.4	28.35
	18	124.1	14.02	148.5	16.74	172.0	19.65	184.1	21.09	196.6	22.57	220.1	25.68	244.4	28.86
	20	124.1	14.25	148.5	17.05	172.0	19.96	184.1	21.52	196.6	23.07	220.1	26.30	244.4	29.95
	21	124.1	14.45	148.5	17.16	172.0	20.16	184.1	21.75	196.6	23.30	220.1	26.72	244.4	30.57
	23	124.1	14.68	148.5	17.56	172.0	20.59	184.1	22.45	196.6	24.43	220.1	28.59	244.4	32.28
	25	124.1	14.87	148.5	18.21	172.0	21.94	184.1	24.01	196.6	26.10	220.1	30.57	244.4	33.87
	27	124.1	15.69	148.5	19.46	172.0	23.38	184.1	25.48	196.6	27.88	220.1	32.66	244.4	35.97
	29	124.1	16.74	148.5	20.59	172.0	24.86	184.1	27.15	196.6	29.63	220.1	34.84	244.4	38.53
	31	124.1	17.79	148.5	21.94	172.0	26.52	184.1	29.01	196.6	31.61	220.1	37.13	244.4	40.90
	33	124.1	18.83	148.5	23.19	172.0	28.19	184.1	30.76	196.6	33.59	220.1	39.50	244.4	43.54
	35	124.1	19.85	148.5	24.74	172.0	29.95	184.1	32.74	196.6	35.77	220.1	42.10	244.4	46.18
	37	124.1	21.09	148.5	26.22	172.0	31.81	184.1	34.84	196.6	38.06	220.1	44.82	244.4	48.74
	39	124.1	22.41	148.5	27.96	172.0	34.02	184.1	37.48	196.6	41.13	220.1	47.97	244.4	52.55
	41	121.0	24.78	144.6	30.61	167.6	37.32	179.4	41.10	191.5	44.70	214.3	52.67	238.1	56.67
	43	117.9	26.99	141.0	33.36	163.4	40.71	175.1	44.82	186.8	48.82	209.1	57.56	232.3	61.28
46	110.5	29.98	132.4	37.52	153.2	45.87	164.1	49.94	175.0	55.03	195.8	64.90	217.7	68.28	
48	97.9	26.17	117.1	32.78	135.5	40.08	145.3	43.62	154.7	48.12	173.2	56.82	192.7	59.11	
60	10	106.2	11.34	126.9	13.28	147.6	15.46	157.9	16.58	168.4	17.63	188.8	20.00	209.6	22.37
	12	106.2	11.54	126.9	13.51	147.6	15.65	157.9	16.81	168.4	17.94	188.8	20.31	209.6	22.76
	14	106.2	11.65	126.9	13.71	147.6	15.96	157.9	17.09	168.4	18.25	188.8	20.70	209.6	23.18
	16	106.2	11.85	126.9	14.02	147.6	16.19	157.9	17.40	168.4	18.64	188.8	21.13	209.6	23.61
	18	106.2	12.04	126.9	14.21	147.6	16.50	157.9	17.71	168.4	18.95	188.8	21.44	209.6	24.11
	20	106.2	12.27	126.9	14.41	147.6	16.81	157.9	18.02	168.4	19.26	188.8	21.86	209.6	24.62
	21	106.2	12.35	126.9	14.52	147.6	17.01	157.9	18.25	168.4	19.46	188.8	22.14	209.6	24.82
	23	106.2	12.58	126.9	14.84	147.6	17.20	157.9	18.56	168.4	19.88	188.8	22.99	209.6	26.37
	25	106.2	12.78	126.9	15.15	147.6	17.94	157.9	19.46	168.4	21.13	188.8	24.54	209.6	28.23
	27	106.2	13.20	126.9	15.96	147.6	19.07	157.9	20.70	168.4	22.45	188.8	26.06	209.6	30.09
	29	106.2	14.02	126.9	17.01	147.6	20.31	157.9	22.06	168.4	23.92	188.8	27.81	209.6	32.15
	31	106.2	14.84	126.9	18.02	147.6	21.55	157.9	23.49	168.4	25.44	188.8	29.67	209.6	34.21
	33	106.2	15.65	126.9	19.07	147.6	22.87	157.9	24.93	168.4	27.10	188.8	31.53	209.6	36.47
	35	106.2	16.58	126.9	20.31	147.6	24.31	157.9	26.48	168.4	28.74	188.8	33.59	209.6	38.75
	37	106.2	17.51	126.9	21.43	147.6	25.75	157.9	28.12	168.4	30.49	188.8	35.65	209.6	41.21
	39	106.2	18.64	126.9	22.80	147.6	27.80	157.9	30.18	168.4	32.82	188.8	38.22	209.6	44.16
	41	103.4	20.20	123.7	24.97	143.8	30.21	153.9	32.97	164.1	35.61	184.1	41.94	204.4	48.00
	43	101.0	21.94	120.6	27.18	140.2	32.93	150.0	35.92	159.8	38.87	179.4	45.79	199.3	52.43
46	94.7	24.58	113.2	30.52	131.6	37.01	140.6	40.39	150.0	43.72	168.4	51.61	186.8	59.73	
48	83.8	21.43	99.9	26.64	116.3	32.35	124.5	35.26	132.4	38.21	148.8	45.13	165.3	52.27	
50	10	88.9	9.71	106.2	11.22	123.0	12.77	131.6	13.67	140.2	14.49	157.0	16.34	174.7	18.17
	12	88.9	9.79	106.2	11.34	123.0	12.97	131.6	13.90	140.2	14.80	157.0	16.65	174.7	18.48
	14	88.9	9.90	106.2	11.53	123.0	13.16	131.6	14.09	140.2	15.02	157.0	16.85	174.7	18.79
	16	88.9	10.10	106.2	11.73	123.0	13.36	131.6	14.40	140.2	15.22	157.0	17.16	174.7	19.10
	18	88.9	10.21	106.2	11.84	123.0	13.59	131.6	14.60	140.2	15.53	157.0	17.47	174.7	19.49
	20	88.9	10.32	106.2	12.04	123.0	13.90	131.6	14.80	140.2	15.84	157.0	17.78	174.7	19.92
	21	88.9	10.41	106.2	12.15	123.0	13.98	131.6	15.02	140.2	15.92	157.0	17.98	174.7	20.11
	23	88.9	10.60	106.2	12.35	123.0	14.21	131.6	15.22	140.2	16.23	157.0	18.29	174.7	20.54
	25	88.9	10.72	106.2	12.55	123.0	14.49	131.6	15.53	140.2	16.74	157.0	19.18	174.7	21.94
	27	88.9	10.91	106.2	12.97	123.0	15.30	131.6	16.54	140.2	17.78	157.0	20.54	174.7	23.38
	29	88.9	11.53	106.2	13.78	123.0	16.23	131.6	17.55	140.2	18.87	157.0	21.74	174.7	24.81
	31	88.9	12.15	106.2	14.60	123.0	17.24	131.6	18.59	140.2	20.11	157.0	23.18	174.7	26.44
	33	88.9	12.85	106.2	15.42	123.0	18.29	131.6	19.72	140.2	21.35	157.0	24.61	174.7	28.19
	35	88.9	13.59	106.2	16.34	123.0	19.30	131.6	20.93	140.2	22.56	157.0	26.05	174.7	29.90
	37	88.9	14.40	106.2	17.24	123.0	20.42	131.6	22.17	140.2	23.88	157.0	27.76	174.7	31.76
	39	88.9	15.34	106.2	18.49	123.0	21.86	131.6	23.84	140.2	25.63	157.0	29.59	174.7	34.29
	41	86.6	16.62	103.4	20.03	119.9	23.92	128.1	25.82	136.3	27.77	153.1	32.42	170.4	37.24
	43	84.6	18.05	101.0	21.78	117.1	26.02	125.0	28.11	133.2	30.25	149.2	35.37	166.1	40.62
46	79.1	20.23	94.7	24.42	109.7	29.20	117.1	31.57	124.6	33.94	139.8	39.80	155.8	45.74	
48	70.1	17.62	83.8	21.31	97.1	25.47	103.8	27.57	110.4	29.63	123.7	34.75	137.8	39.99	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

◆ ARUN960BTE5

Cooling Capacity (96HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	245.6	29.48	292.8	36.00	313.6	41.76	322.8	42.64	331.6	42.96	347.6	43.32	356.8	43.48
	12	245.6	30.20	292.8	37.28	313.6	43.48	322.8	43.76	331.6	44.12	347.6	44.48	356.8	44.88
	14	245.6	31.20	292.8	38.64	313.6	45.12	322.8	45.44	331.6	45.80	347.6	46.20	356.8	46.60
	16	245.6	32.36	292.8	40.00	313.6	47.16	322.8	47.60	331.6	47.96	347.6	48.40	356.8	48.76
	18	245.6	33.72	292.8	42.32	313.6	49.32	322.8	50.36	331.6	50.76	347.6	51.28	356.8	51.64
	20	245.6	35.20	292.8	45.08	313.6	51.76	322.8	55.40	331.6	55.84	342.8	56.40	351.6	56.80
	21	245.6	36.12	292.8	46.64	313.6	52.84	322.8	58.64	331.6	59.12	340.8	59.68	349.6	60.12
	23	245.6	38.76	292.8	49.08	313.6	55.56	322.8	64.72	327.6	65.24	335.6	65.88	344.8	66.32
	25	245.6	41.40	292.8	51.92	313.6	59.40	318.8	71.76	322.8	72.32	331.6	73.04	340.8	73.56
	27	245.6	44.28	292.8	55.48	309.6	63.28	313.6	79.00	318.8	79.64	327.6	80.44	335.6	80.96
	29	245.6	47.20	292.8	59.32	304.8	68.08	309.2	86.84	313.6	87.36	322.8	88.12	331.6	88.48
	31	245.6	50.36	291.6	62.48	299.6	72.40	304.8	86.44	309.2	86.96	317.6	87.76	326.8	88.12
	33	245.6	53.64	286.8	66.20	295.6	77.68	300.4	85.68	304.8	86.20	313.6	86.96	321.6	87.28
	35	245.6	57.20	281.6	69.32	290.8	84.12	295.6	84.56	300.4	85.04	308.8	85.80	317.6	86.16
	37	245.6	61.00	277.6	72.76	286.8	83.00	290.8	83.44	295.6	83.92	303.6	84.68	312.8	85.00
	39	245.6	64.96	272.8	76.60	281.6	81.92	286.8	82.32	290.8	82.80	299.6	83.56	308.8	83.88
	41	239.6	68.92	261.6	80.40	270.4	80.80	274.4	81.20	279.6	81.68	288.0	82.40	296.0	82.76
	43	233.6	72.68	250.4	79.28	259.2	79.68	263.2	80.08	268.4	80.56	276.8	81.28	284.4	81.60
46	218.8	77.80	228.4	77.64	236.8	78.00	240.4	78.40	245.6	78.88	253.2	79.60	260.4	79.88	
48	193.6	75.60	198.4	75.84	206.0	76.00	209.2	76.20	213.6	76.88	220.4	77.36	226.8	77.64	
120	10	227.2	26.52	270.4	32.52	295.2	38.60	304.4	41.72	313.2	42.40	330.4	42.56	338.4	42.92
	12	227.2	27.24	270.4	33.60	295.2	40.16	304.4	42.60	313.2	43.96	330.4	44.52	338.4	44.84
	14	227.2	28.16	270.4	34.76	295.2	41.80	304.4	44.24	313.2	45.56	330.4	46.24	338.4	46.64
	16	227.2	29.16	270.4	36.16	295.2	43.40	304.4	45.88	313.2	47.68	330.4	48.28	338.4	48.64
	18	227.2	30.32	270.4	37.80	295.2	45.16	304.4	48.32	313.2	50.12	330.4	50.72	338.4	51.12
	20	227.2	31.48	270.4	40.08	295.2	47.56	304.4	50.84	313.2	52.80	330.4	53.48	338.4	53.92
	21	227.2	32.44	270.4	41.52	295.2	48.92	304.4	52.32	313.2	54.52	330.4	55.20	338.4	55.64
	23	227.2	34.68	270.4	44.40	295.2	52.40	304.4	55.60	313.2	58.12	330.4	58.72	338.4	59.20
	25	227.2	37.04	270.4	47.56	295.2	55.28	304.4	59.28	313.2	62.32	326.4	62.84	334.4	63.36
	27	227.2	39.52	270.4	50.88	295.2	58.84	304.4	63.32	313.2	67.00	321.2	67.44	329.6	68.00
	29	227.2	42.16	270.4	54.28	295.2	61.92	304.4	67.76	308.4	71.40	316.4	72.48	325.2	73.04
	31	227.2	44.96	270.4	58.00	295.2	65.12	300.4	72.60	304.4	76.60	312.4	77.96	320.4	78.56
	33	227.2	47.84	270.4	61.80	291.2	68.88	295.2	78.80	299.2	82.24	307.2	83.16	315.2	83.84
	35	227.2	50.88	270.4	65.88	286.4	72.88	290.4	86.84	295.2	87.24	303.2	87.52	311.2	88.20
	37	227.2	54.72	270.4	69.52	282.4	77.72	286.4	85.00	290.4	85.40	298.4	85.68	306.4	86.36
	39	227.2	58.92	269.2	73.48	277.2	82.44	281.2	83.24	285.2	83.68	294.4	83.92	302.4	84.60
	41	221.6	63.08	257.6	77.44	266.4	80.80	270.0	81.52	274.0	81.92	282.0	82.16	290.0	82.80
	43	216.0	67.36	246.8	76.36	255.2	79.00	258.8	79.76	262.8	80.16	270.4	80.40	278.4	81.04
46	202.4	72.40	224.8	74.52	233.2	76.52	236.4	77.12	240.0	77.52	247.6	77.76	254.8	78.36	
48	179.2	70.96	195.2	73.20	202.8	75.00	205.6	75.48	208.8	75.72	215.2	76.00	221.6	76.32	
110	10	208.0	23.84	248.0	29.08	276.8	34.52	284.8	37.36	302.8	40.20	310.0	41.32	330.8	42.00
	12	208.0	24.60	248.0	30.04	276.8	35.96	284.8	38.40	302.8	41.72	310.0	43.08	330.8	44.04
	14	208.0	25.36	248.0	31.40	276.8	37.56	284.8	40.32	302.8	43.84	310.0	45.08	330.8	46.00
	16	208.0	26.24	248.0	32.52	276.8	39.12	284.8	42.08	302.8	45.84	310.0	47.08	330.8	47.92
	18	208.0	27.24	248.0	33.88	276.8	41.40	284.8	44.32	302.8	48.36	310.0	49.32	330.8	50.24
	20	208.0	28.20	248.0	35.60	276.8	43.88	284.8	46.36	302.8	50.72	310.0	51.96	330.8	52.80
	21	208.0	28.84	248.0	36.64	276.8	45.00	284.8	47.60	302.8	52.12	310.0	53.44	330.8	54.28
	23	208.0	30.72	248.0	39.28	276.8	47.52	284.8	50.24	302.8	55.04	310.0	56.24	330.8	57.16
	25	208.0	32.80	248.0	41.92	276.8	50.20	284.8	53.12	302.8	58.16	310.0	59.00	326.8	60.20
	27	208.0	35.04	248.0	44.80	276.8	53.04	284.8	56.20	302.8	60.76	310.0	62.16	322.0	63.20
	29	208.0	37.44	248.0	47.84	276.8	56.08	284.8	59.52	302.8	64.20	310.0	65.32	318.0	66.28
	31	208.0	39.80	248.0	51.00	276.8	59.24	284.8	63.08	298.0	67.48	306.0	68.80	312.8	69.52
	33	208.0	42.44	248.0	54.28	276.8	62.60	284.8	66.84	294.0	71.24	300.8	72.44	308.8	72.84
	35	208.0	45.08	248.0	58.00	276.8	66.12	284.8	70.84	288.8	75.20	296.0	75.88	304.0	76.24
	37	208.0	47.76	248.0	61.56	276.8	69.80	280.8	75.04	284.0	79.28	292.0	79.56	298.8	79.80
	39	208.0	51.52	248.0	65.40	272.0	73.64	276.0	80.28	280.0	83.24	286.8	83.36	294.8	83.44
	41	202.8	55.24	241.6	69.24	260.4	77.64	264.4	86.84	267.6	86.84	275.6	87.52	282.4	88.20
	43	197.6	58.00	235.6	72.16	249.6	82.36	253.6	83.28	256.8	83.12	264.4	83.56	271.2	83.80
46	185.2	56.60	220.8	69.64	227.6	78.16	231.6	78.16	234.4	78.84	241.6	79.28	248.0	79.48	
48	164.0	54.96	192.0	67.12	197.6	74.36	201.2	74.84	204.0	75.24	210.4	75.44	215.6	75.72	

# 7. Capacity Tables

Cooling Capacity (96HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	10	181.6	21.48	216.0	26.08	251.6	30.96	268.8	33.44	286.0	35.96	317.2	40.00	324.0	40.32
	12	181.6	22.16	216.0	27.16	251.6	32.00	268.8	34.36	286.0	37.08	317.2	42.16	324.0	42.56
	14	181.6	22.84	216.0	28.24	251.6	33.36	268.8	35.84	286.0	38.68	317.2	44.52	324.0	44.92
	16	181.6	23.56	216.0	29.20	251.6	34.76	268.8	37.52	286.0	40.76	317.2	46.68	324.0	47.32
	18	181.6	24.24	216.0	30.28	251.6	36.12	268.8	39.36	286.0	43.24	317.2	49.32	324.0	49.72
	20	181.6	25.12	216.0	31.40	251.6	38.24	268.8	42.16	286.0	46.28	317.2	51.68	324.0	52.08
	21	181.6	25.64	216.0	32.16	251.6	39.52	268.8	43.64	286.0	47.96	317.2	52.84	324.0	53.28
	23	181.6	27.16	216.0	34.40	251.6	42.44	268.8	46.80	286.0	51.40	317.2	55.32	324.0	55.80
	25	181.6	28.88	216.0	36.64	251.6	45.32	268.8	50.08	286.0	54.96	317.2	57.68	321.6	58.16
	27	181.6	30.84	216.0	39.16	251.6	48.52	268.8	53.52	286.0	58.44	311.2	60.40	317.6	60.88
	29	181.6	32.80	216.0	41.76	251.6	51.80	268.8	57.20	286.0	61.84	305.2	62.84	312.8	63.36
	31	181.6	35.04	216.0	44.56	251.6	55.24	268.8	61.04	286.0	65.00	300.8	65.28	308.0	65.80
	33	181.6	37.16	216.0	47.44	251.6	58.92	268.8	65.12	286.0	67.44	296.0	67.72	303.2	68.24
	35	181.6	39.52	216.0	50.48	251.6	62.72	268.8	69.44	281.6	69.88	290.4	70.16	298.0	70.72
	37	181.6	42.36	216.0	54.16	251.6	66.44	268.8	72.76	277.2	73.12	285.2	73.40	292.0	74.08
	39	181.6	45.40	216.0	58.16	251.6	70.40	268.8	76.32	272.4	76.64	280.4	76.96	287.2	77.68
	41	178.4	48.44	212.4	62.16	247.6	74.40	258.0	79.88	263.6	80.20	269.6	80.48	278.4	81.24
	43	172.4	51.28	205.2	65.92	239.2	77.96	247.2	82.92	250.0	83.24	258.0	83.48	264.8	84.28
46	161.6	55.16	192.4	71.04	224.0	82.68	225.6	86.84	228.4	87.08	235.6	87.32	242.0	88.16	
48	142.8	47.64	170.0	61.48	193.2	70.68	196.4	73.68	198.4	73.92	204.8	74.08	210.4	74.68	
90	10	163.2	18.64	194.8	22.44	226.4	26.44	242.0	28.48	257.2	30.68	288.8	34.32	320.8	38.20
	12	163.2	18.88	194.8	22.76	226.4	26.88	242.0	29.08	257.2	31.36	288.8	35.00	320.8	38.84
	14	163.2	19.24	194.8	23.24	226.4	27.48	242.0	29.64	257.2	31.92	288.8	35.68	320.8	39.64
	16	163.2	19.56	194.8	23.68	226.4	28.04	242.0	30.20	257.2	32.52	288.8	36.36	320.8	40.32
	18	163.2	19.92	194.8	24.16	226.4	28.48	242.0	30.92	257.2	33.20	288.8	37.16	320.8	42.36
	20	163.2	20.24	194.8	24.60	226.4	29.08	242.0	31.48	257.2	34.44	288.8	39.76	320.8	44.36
	21	163.2	20.48	194.8	24.84	226.4	29.64	242.0	32.52	257.2	35.72	288.8	40.40	320.8	45.40
	23	163.2	20.96	194.8	25.88	226.4	31.72	242.0	34.92	257.2	38.24	288.8	42.88	316.4	47.52
	25	163.2	21.96	194.8	27.60	226.4	33.88	242.0	37.32	257.2	40.84	288.8	45.84	311.6	49.56
	27	163.2	23.48	194.8	29.40	226.4	36.16	242.0	39.84	257.2	43.72	288.8	48.72	307.2	51.88
	29	163.2	24.84	194.8	31.36	226.4	38.68	242.0	42.56	257.2	46.68	288.8	51.60	302.4	53.96
	31	163.2	26.44	194.8	33.44	226.4	41.20	242.0	45.32	257.2	49.80	288.8	54.20	298.0	56.08
	33	163.2	28.16	194.8	35.60	226.4	43.96	242.0	48.28	257.2	52.80	288.8	56.80	293.2	58.16
	35	163.2	29.88	194.8	37.76	226.4	46.68	242.0	51.52	257.2	56.00	284.0	60.08	288.8	61.44
	37	163.2	31.72	194.8	40.16	226.4	49.80	242.0	54.72	257.2	59.12	279.6	62.80	284.4	64.20
	39	163.2	33.56	194.8	42.72	226.4	52.68	242.0	58.24	257.2	62.16	274.8	66.20	279.6	67.00
	41	159.2	37.56	190.0	47.36	220.8	57.84	235.6	63.68	250.8	67.12	263.2	69.76	268.0	71.36
	43	155.2	40.56	185.2	51.20	215.2	63.20	230.0	68.56	244.4	71.96	252.4	74.72	257.2	75.60
46	145.2	45.64	173.6	58.28	201.6	72.00	215.6	77.76	222.0	79.96	230.4	82.00	234.8	82.12	
48	128.4	39.88	153.6	51.00	178.4	63.00	190.4	67.84	192.8	68.88	200.4	70.60	204.0	70.68	
80	10	144.8	15.56	172.8	18.68	200.8	21.92	215.2	23.68	229.6	25.40	257.2	28.96	285.2	31.44
	12	144.8	15.88	172.8	18.92	200.8	22.36	215.2	24.08	229.6	25.84	257.2	29.48	285.2	32.08
	14	144.8	16.08	172.8	19.36	200.8	22.68	215.2	24.52	229.6	26.24	257.2	30.04	285.2	32.68
	16	144.8	16.32	172.8	19.68	200.8	23.12	215.2	24.96	229.6	26.80	257.2	30.68	285.2	33.32
	18	144.8	16.64	172.8	20.00	200.8	23.56	215.2	25.40	229.6	27.32	257.2	31.24	285.2	34.04
	20	144.8	16.96	172.8	20.44	200.8	24.08	215.2	25.92	229.6	27.88	257.2	32.40	285.2	36.04
	21	144.8	17.08	172.8	20.64	200.8	24.32	215.2	26.24	229.6	28.52	257.2	33.44	285.2	37.00
	23	144.8	17.40	172.8	20.96	200.8	25.40	215.2	27.88	229.6	30.48	257.2	35.32	285.2	38.84
	25	144.8	18.04	172.8	22.36	200.8	27.24	215.2	29.84	229.6	32.64	257.2	37.80	285.2	41.52
	27	144.8	19.12	172.8	23.76	200.8	29.08	215.2	31.88	229.6	34.80	257.2	40.16	285.2	43.72
	29	144.8	20.32	172.8	25.40	200.8	30.92	215.2	33.92	229.6	37.16	257.2	43.00	285.2	46.76
	31	144.8	21.60	172.8	26.92	200.8	32.96	215.2	36.20	229.6	39.56	257.2	45.64	285.2	49.12
	33	144.8	22.92	172.8	28.76	200.8	35.12	215.2	38.56	229.6	42.12	257.2	48.08	285.2	51.48
	35	144.8	24.32	172.8	30.48	200.8	37.40	215.2	41.04	229.6	44.96	257.2	51.00	282.0	53.36
	37	144.8	25.72	172.8	32.40	200.8	39.64	215.2	43.64	229.6	47.76	257.2	53.84	277.6	55.80
	39	144.8	27.16	172.8	34.24	200.8	42.40	215.2	46.92	229.6	51.32	257.2	56.88	272.8	58.84
	41	141.2	30.08	168.4	37.96	195.6	46.56	209.6	51.44	223.6	56.40	250.8	63.28	261.6	65.24
	43	137.6	33.08	164.4	41.40	190.8	50.80	204.4	56.08	218.0	61.64	244.4	67.72	250.8	69.84
46	129.2	36.84	154.0	46.64	178.8	57.24	191.6	62.40	204.4	69.56	223.6	73.92	228.8	75.08	
48	114.4	32.16	136.0	40.80	158.0	50.08	169.6	54.52	180.8	60.88	194.0	63.96	198.8	64.64	



# 7. Capacity Tables

Cooling Capacity (96HP)

Combination (%)	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	10	126.8	13.60	151.6	16.16	175.6	18.76	188.0	20.24	200.8	21.64	224.8	24.64	249.6	27.56
	12	126.8	13.80	151.6	16.40	175.6	19.16	188.0	20.56	200.8	22.08	224.8	25.04	249.6	28.08
	14	126.8	14.04	151.6	16.60	175.6	19.48	188.0	20.88	200.8	22.40	224.8	25.60	249.6	28.60
	16	126.8	14.24	151.6	16.92	175.6	19.80	188.0	21.32	200.8	22.80	224.8	26.04	249.6	29.20
	18	126.8	14.44	151.6	17.24	175.6	20.24	188.0	21.72	200.8	23.24	224.8	26.44	249.6	29.72
	20	126.8	14.68	151.6	17.56	175.6	20.56	188.0	22.16	200.8	23.76	224.8	27.08	249.6	30.84
	21	126.8	14.88	151.6	17.68	175.6	20.76	188.0	22.40	200.8	24.00	224.8	27.52	249.6	31.48
	23	126.8	15.12	151.6	18.08	175.6	21.20	188.0	23.12	200.8	25.16	224.8	29.44	249.6	33.24
	25	126.8	15.32	151.6	18.76	175.6	22.60	188.0	24.72	200.8	26.88	224.8	31.48	249.6	34.88
	27	126.8	16.16	151.6	20.04	175.6	24.08	188.0	26.24	200.8	28.72	224.8	33.64	249.6	37.04
	29	126.8	17.24	151.6	21.20	175.6	25.60	188.0	27.96	200.8	30.52	224.8	35.88	249.6	39.68
	31	126.8	18.32	151.6	22.60	175.6	27.32	188.0	29.88	200.8	32.56	224.8	38.24	249.6	42.12
	33	126.8	19.40	151.6	23.88	175.6	29.04	188.0	31.68	200.8	34.60	224.8	40.68	249.6	44.84
	35	126.8	20.44	151.6	25.48	175.6	30.84	188.0	33.72	200.8	36.84	224.8	43.36	249.6	47.56
	37	126.8	21.72	151.6	27.00	175.6	32.76	188.0	35.88	200.8	39.20	224.8	46.16	249.6	50.20
	39	126.8	23.08	151.6	28.80	175.6	35.04	188.0	38.60	200.8	42.36	224.8	49.40	249.6	54.12
	41	123.6	25.52	147.6	31.52	171.2	38.44	183.2	42.32	195.6	46.04	218.8	54.24	243.2	58.36
	43	120.4	27.80	144.0	34.36	166.8	41.92	178.8	46.16	190.8	50.28	213.6	59.28	237.2	63.12
46	112.8	30.88	135.2	38.64	156.4	47.24	167.6	51.44	178.8	56.68	200.0	66.84	222.4	70.32	
48	100.0	26.96	119.6	33.76	138.4	41.28	148.4	44.92	158.0	49.56	176.8	58.52	196.8	60.88	
60	10	108.4	11.68	129.6	13.68	150.8	15.92	161.2	17.08	172.0	18.16	192.8	20.60	214.0	23.04
	12	108.4	11.88	129.6	13.92	150.8	16.12	161.2	17.32	172.0	18.48	192.8	20.92	214.0	23.44
	14	108.4	12.00	129.6	14.12	150.8	16.44	161.2	17.60	172.0	18.80	192.8	21.32	214.0	23.88
	16	108.4	12.20	129.6	14.44	150.8	16.68	161.2	17.92	172.0	19.20	192.8	21.76	214.0	24.32
	18	108.4	12.40	129.6	14.64	150.8	17.00	161.2	18.24	172.0	19.52	192.8	22.08	214.0	24.84
	20	108.4	12.64	129.6	14.84	150.8	17.32	161.2	18.56	172.0	19.84	192.8	22.52	214.0	25.36
	21	108.4	12.72	129.6	14.96	150.8	17.52	161.2	18.80	172.0	20.04	192.8	22.80	214.0	25.56
	23	108.4	12.96	129.6	15.28	150.8	17.72	161.2	19.12	172.0	20.48	192.8	23.68	214.0	27.16
	25	108.4	13.16	129.6	15.60	150.8	18.48	161.2	20.04	172.0	21.76	192.8	25.28	214.0	29.08
	27	108.4	13.60	129.6	16.44	150.8	19.64	161.2	21.32	172.0	23.12	192.8	26.84	214.0	31.00
	29	108.4	14.44	129.6	17.52	150.8	20.92	161.2	22.72	172.0	24.64	192.8	28.64	214.0	33.12
	31	108.4	15.28	129.6	18.56	150.8	22.20	161.2	24.20	172.0	26.20	192.8	30.56	214.0	35.24
	33	108.4	16.12	129.6	19.64	150.8	23.56	161.2	25.68	172.0	27.92	192.8	32.48	214.0	37.56
	35	108.4	17.08	129.6	20.92	150.8	25.04	161.2	27.28	172.0	29.60	192.8	34.60	214.0	39.92
	37	108.4	18.04	129.6	22.08	150.8	26.52	161.2	28.96	172.0	31.40	192.8	36.72	214.0	42.44
	39	108.4	19.20	129.6	23.48	150.8	28.64	161.2	31.08	172.0	33.80	192.8	39.36	214.0	45.48
	41	105.6	20.80	126.4	25.72	146.8	31.12	157.2	33.96	167.6	36.68	188.0	43.20	208.8	49.44
	43	103.2	22.60	123.2	28.00	143.2	33.92	153.2	37.00	163.2	40.04	183.2	47.16	203.6	54.00
46	96.8	25.32	115.6	31.44	134.4	38.12	143.6	41.60	153.2	45.04	172.0	53.16	190.8	61.52	
48	85.6	22.08	102.0	27.44	118.8	33.32	127.2	36.32	135.2	39.36	152.0	46.48	168.8	53.84	
50	10	90.8	10.00	108.4	11.56	125.6	13.16	134.4	14.08	143.2	14.92	160.4	16.84	178.4	18.72
	12	90.8	10.08	108.4	11.68	125.6	13.36	134.4	14.32	143.2	15.24	160.4	17.16	178.4	19.04
	14	90.8	10.20	108.4	11.88	125.6	13.56	134.4	14.52	143.2	15.48	160.4	17.36	178.4	19.36
	16	90.8	10.40	108.4	12.08	125.6	13.76	134.4	14.84	143.2	15.68	160.4	17.68	178.4	19.68
	18	90.8	10.52	108.4	12.20	125.6	14.00	134.4	15.04	143.2	16.00	160.4	18.00	178.4	20.08
	20	90.8	10.64	108.4	12.40	125.6	14.32	134.4	15.24	143.2	16.32	160.4	18.32	178.4	20.52
	21	90.8	10.72	108.4	12.52	125.6	14.40	134.4	15.48	143.2	16.40	160.4	18.52	178.4	20.72
	23	90.8	10.92	108.4	12.72	125.6	14.64	134.4	15.68	143.2	16.72	160.4	18.84	178.4	21.16
	25	90.8	11.04	108.4	12.92	125.6	14.92	134.4	16.00	143.2	17.24	160.4	19.76	178.4	22.60
	27	90.8	11.24	108.4	13.36	125.6	15.76	134.4	17.04	143.2	18.32	160.4	21.16	178.4	24.08
	29	90.8	11.88	108.4	14.20	125.6	16.72	134.4	18.08	143.2	19.44	160.4	22.40	178.4	25.56
	31	90.8	12.52	108.4	15.04	125.6	17.76	134.4	19.16	143.2	20.72	160.4	23.88	178.4	27.24
	33	90.8	13.24	108.4	15.88	125.6	18.84	134.4	20.32	143.2	22.00	160.4	25.36	178.4	29.04
	35	90.8	14.00	108.4	16.84	125.6	19.88	134.4	21.56	143.2	23.24	160.4	26.84	178.4	30.80
	37	90.8	14.84	108.4	17.76	125.6	21.04	134.4	22.84	143.2	24.60	160.4	28.60	178.4	32.72
	39	90.8	15.80	108.4	19.04	125.6	22.52	134.4	24.56	143.2	26.40	160.4	30.48	178.4	35.32
	41	88.4	17.12	105.6	20.64	122.4	24.64	130.8	26.60	139.2	28.60	156.4	33.40	174.0	38.36
	43	86.4	18.60	103.2	22.44	119.6	26.80	127.6	28.96	136.0	31.16	152.4	36.44	169.6	41.84
46	80.8	20.84	96.8	25.16	112.0	30.08	119.6	32.52	127.2	34.96	142.8	41.00	159.2	47.12	
48	71.6	18.16	85.6	21.96	99.2	26.24	106.0	28.40	112.8	30.52	126.4	35.80	140.8	41.20	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## 7.2 Heating Capacity

### 7.2.1 Single Unit

◆ ARUN100BTE5

Heating Capacity (10HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	20.4	9.93	20.4	10.04	20.2	10.12	20.2	10.26	20.2	10.38	19.7	10.59
	-21.8	-22	24.7	10.14	24.7	10.24	24.6	10.32	24.6	10.46	24.6	10.59	24.0	10.79
	-19.8	-20	26.1	10.27	26.1	10.37	25.9	10.46	25.9	10.59	25.9	10.72	25.3	10.92
	-18.8	-19	26.6	10.34	26.6	10.44	26.4	10.53	26.4	10.66	26.4	10.79	25.7	10.99
	-16.7	-17	27.5	10.48	27.5	10.58	27.3	10.67	27.3	10.80	27.3	10.93	26.6	11.13
	-13.7	-15	28.8	10.68	28.8	10.78	28.7	10.87	28.7	11.00	28.7	11.13	27.9	10.54
	-11.8	-13	29.7	10.81	29.7	10.91	29.5	11.00	29.5	11.13	29.5	10.72	28.8	10.17
	-9.8	-11	30.5	10.94	30.5	11.04	30.3	11.13	30.3	10.68	30.3	10.29	29.6	9.78
	-9.5	-10	30.7	10.96	30.7	11.06	30.5	11.06	30.5	10.61	30.5	10.23	29.8	9.72
	-8.5	-9.1	31.3	11.03	31.3	11.13	31.1	10.82	31.1	10.39	30.9	10.02	30.2	9.53
	-7.0	-7.6	32.2	11.13	32.2	10.76	32.0	10.46	32.0	10.05	32.0	9.70	30.8	9.23
	-5.0	-5.6	33.4	10.62	33.4	10.27	33.2	9.98	33.2	9.60	33.2	9.27	31.7	8.84
	-3.0	-3.7	34.7	10.11	34.7	9.78	34.4	9.50	34.4	9.15	34.4	8.84	32.6	8.45
	0.0	-0.7	36.5	9.35	36.5	9.04	36.3	8.79	36.3	8.48	36.3	8.20	33.9	7.87
	3.0	2.2	38.3	8.59	38.3	8.31	38.1	8.07	38.1	7.80	38.1	7.56	35.2	7.28
	5.0	4.1	39.5	8.08	39.5	7.82	39.3	7.59	39.3	7.36	38.2	7.13	35.6	6.89
	7.0	6.0	40.7	7.57	40.7	7.33	40.5	7.11	39.6	6.91	38.2	6.70	35.6	6.50
	9.0	7.9	40.7	7.13	40.7	6.90	40.6	6.70	39.6	6.51	38.2	6.31	35.6	6.12
11.0	9.8	40.7	6.75	40.7	6.53	40.6	6.34	39.6	6.16	38.2	5.97	35.6	5.80	
13.0	11.8	40.7	6.35	40.7	6.14	40.6	5.96	39.6	5.79	38.2	5.62	35.6	5.45	
15.0	13.7	40.7	5.92	40.7	5.73	40.6	5.57	39.6	5.40	38.2	5.24	35.6	5.09	
120	-24.8	-25	20.2	10.04	20.2	10.12	20.1	10.26	20.1	10.38	20.1	10.59	19.6	10.73
	-21.8	-22	24.6	10.24	24.6	10.32	24.4	10.46	24.4	10.59	24.4	10.79	23.8	10.93
	-19.8	-20	25.9	10.37	25.9	10.46	25.8	10.59	25.8	10.72	25.8	10.92	25.1	11.06
	-18.8	-19	26.4	10.44	26.4	10.53	26.2	10.66	26.2	10.79	26.2	10.99	25.5	11.13
	-16.7	-17	27.3	10.58	27.3	10.67	27.1	10.80	27.1	10.93	27.1	11.13	26.4	10.75
	-13.7	-15	28.6	10.78	28.6	10.87	28.5	11.00	28.5	11.13	28.5	10.56	27.7	10.21
	-11.8	-13	29.5	10.91	29.5	11.00	29.3	11.13	29.3	10.72	29.3	10.20	28.6	9.87
	-9.8	-11	30.3	11.04	30.3	11.13	30.1	10.67	30.1	10.29	30.1	9.82	29.4	9.51
	-9.5	-10	30.5	11.06	30.5	11.05	30.3	10.60	30.3	10.23	30.3	9.76	29.5	9.46
	-8.5	-9.1	31.1	11.13	31.1	10.81	30.9	10.37	30.9	10.01	30.8	9.57	30.0	9.28
	-7.0	-7.6	32.0	10.74	32.0	10.43	31.8	10.03	31.8	9.69	31.4	9.28	30.6	9.01
	-5.0	-5.6	33.2	10.23	33.2	9.93	33.0	9.57	33.0	9.26	33.0	8.90	31.5	8.65
	-3.0	-3.7	34.4	9.71	34.4	9.44	34.2	9.11	34.2	8.83	34.2	8.52	32.3	8.29
	0.0	-0.7	36.2	8.94	36.2	8.69	36.0	8.42	36.0	8.18	35.8	7.95	33.4	7.75
	3.0	2.2	38.0	8.17	38.0	7.94	37.8	7.73	37.1	7.54	35.8	7.38	33.4	7.22
	5.0	4.1	39.3	7.65	39.3	7.44	38.4	7.27	37.1	7.11	36.0	7.00	33.4	6.86
	7.0	6.0	40.4	7.14	40.0	6.95	38.4	6.81	37.1	6.68	36.0	6.62	33.4	6.50
	9.0	7.9	40.4	6.72	40.0	6.54	38.4	6.41	37.1	6.29	36.0	6.23	33.4	6.12
11.0	9.8	40.4	6.36	40.0	6.19	38.4	6.07	37.1	5.95	36.0	5.89	33.4	5.79	
13.0	11.8	40.4	5.98	40.0	5.82	38.4	5.70	37.1	5.59	36.0	5.54	33.4	5.44	
15.0	13.7	40.4	5.58	40.0	5.43	38.4	5.32	37.1	5.22	36.0	5.17	33.4	5.08	
110	-24.8	-25	20.1	10.12	20.1	10.26	20.0	10.38	20.0	10.59	20.0	10.73	19.5	10.79
	-21.8	-22	24.4	10.32	24.4	10.46	24.3	10.59	24.3	10.79	24.3	10.93	23.7	11.00
	-19.8	-20	25.8	10.46	25.8	10.59	25.6	10.72	25.6	10.92	25.6	11.06	25.0	11.13
	-18.8	-19	26.2	10.53	26.2	10.66	26.1	10.79	26.1	10.99	26.1	11.13	25.4	10.94
	-16.7	-17	27.2	10.67	27.2	10.80	27.0	10.93	27.0	11.13	27.0	10.73	26.3	10.54
	-13.7	-15	28.5	10.87	28.5	11.00	28.3	11.13	28.3	10.52	28.3	10.17	28.3	9.98
	-11.8	-13	29.3	11.00	29.3	11.13	29.1	10.70	29.1	10.14	29.1	9.81	29.1	9.62
	-9.8	-11	30.1	11.13	30.1	10.64	30.0	10.24	30.0	9.74	30.0	9.43	29.4	9.24
	-9.5	-10	30.3	11.05	30.3	10.56	30.1	10.18	30.1	9.68	30.1	9.38	29.8	9.19
	-8.5	-9.1	30.9	10.78	30.9	10.32	30.7	9.95	30.7	9.48	30.7	9.19	30.1	9.00
	-7.0	-7.6	31.8	10.37	31.8	9.95	31.6	9.61	31.6	9.17	31.6	8.91	30.1	8.71
	-5.0	-5.6	33.0	9.83	33.0	9.45	32.8	9.15	32.8	8.77	32.2	8.53	30.1	8.34
	-3.0	-3.7	34.2	9.30	34.2	8.96	34.0	8.70	33.3	8.37	32.2	8.15	30.1	7.96
	0.0	-0.7	36.0	8.49	36.0	8.22	34.4	8.02	33.3	7.76	32.2	7.59	30.1	7.39
	3.0	2.2	37.8	7.68	36.7	7.48	34.4	7.34	33.3	7.16	32.2	7.02	30.1	6.83
	5.0	4.1	38.8	7.14	36.7	6.99	34.4	6.88	33.3	6.75	32.2	6.64	30.1	6.45
	7.0	6.0	38.8	6.60	36.7	6.50	34.4	6.43	33.3	6.35	32.2	6.27	30.1	6.07
	9.0	7.9	38.8	6.19	36.7	6.10	34.4	6.03	33.3	5.96	32.2	5.88	30.1	5.70
11.0	9.8	38.8	5.84	36.7	5.75	34.4	5.68	33.3	5.61	32.2	5.54	30.1	5.37	
13.0	11.8	38.8	5.46	36.7	5.38	34.4	5.32	33.3	5.25	32.2	5.18	30.1	5.02	
15.0	13.7	38.8	5.06	36.7	4.99	34.4	4.93	33.3	4.87	32.2	4.81	30.1	4.66	

# 7. Capacity Tables

Heating Capacity (10HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	20.0	10.54	20.0	10.62	19.9	10.33	19.9	10.81	19.9	10.90	19.4	10.93
	-21.8	-22	24.3	10.66	24.3	10.74	24.2	10.65	24.2	10.93	24.2	11.07	23.6	11.05
	-19.8	-20	25.7	10.74	25.7	10.82	25.5	10.86	25.5	11.01	25.5	11.11	24.9	11.13
	-18.8	-19	26.1	10.78	25.9	10.86	25.9	10.93	25.9	11.05	25.9	11.13	25.3	10.91
	-16.7	-17	26.9	10.86	26.9	10.94	26.9	11.07	26.7	11.13	26.7	10.68	26.0	10.46
	-13.7	-15	28.3	10.98	28.3	11.06	28.2	11.13	28.2	10.46	28.2	10.03	27.5	9.81
	-11.8	-13	29.1	11.05	29.0	11.13	29.0	10.67	29.0	10.03	29.0	9.62	27.5	9.40
	-9.8	-11	30.0	11.13	30.0	10.60	29.8	10.18	29.8	9.58	29.5	9.19	27.5	8.97
	-9.5	-10	30.2	11.04	30.2	10.52	30.0	10.10	30.0	9.52	29.5	9.12	27.5	8.91
	-8.5	-9.1	30.8	10.76	30.8	10.26	30.6	9.86	30.5	9.29	29.5	8.91	27.5	8.69
	-7.0	-7.6	32.2	10.34	32.0	9.87	31.5	9.49	30.5	8.95	29.5	8.58	27.5	8.37
	-5.0	-5.6	33.6	9.77	33.3	9.34	31.5	9.01	30.5	8.51	29.5	8.15	27.5	7.94
	-3.0	-3.7	34.6	9.21	33.5	8.82	31.5	8.52	30.5	8.06	29.5	7.72	27.5	7.51
	0.0	-0.7	35.5	8.36	33.5	8.03	31.5	7.79	30.5	7.39	29.5	7.07	27.5	6.86
	3.0	2.2	35.5	7.52	33.5	7.24	31.5	7.06	30.5	6.71	29.5	6.43	27.5	6.21
	5.0	4.1	35.5	6.95	33.5	6.71	31.5	6.57	30.5	6.26	29.5	6.00	27.5	5.78
	7.0	6.0	35.5	6.39	33.5	6.19	31.5	6.08	30.5	5.82	29.5	5.57	27.5	5.35
	9.0	7.9	35.5	5.84	33.5	5.66	31.5	5.56	30.5	5.32	29.5	5.09	27.5	4.89
	11.0	9.8	35.5	5.33	33.5	5.17	31.5	5.08	30.5	4.86	29.5	4.65	27.5	4.47
13.0	11.8	35.5	4.80	33.5	4.65	31.5	4.57	30.5	4.37	29.5	4.19	27.5	4.02	
15.0	13.7	35.5	4.25	33.5	4.12	31.5	4.04	30.5	3.87	29.5	3.70	27.5	3.56	
90	-24.8	-25	19.9	9.75	19.9	9.95	19.8	10.09	19.8	10.16	19.8	10.30	19.3	10.50
	-21.8	-22	24.2	9.95	24.2	10.15	24.1	10.30	24.1	10.36	24.1	10.50	23.5	9.97
	-19.8	-20	25.6	10.09	25.6	10.29	25.4	10.43	25.4	10.50	25.4	10.13	24.8	9.61
	-18.8	-19	26.1	10.15	25.9	10.36	25.8	10.50	25.8	10.30	25.8	9.94	25.1	9.43
	-16.7	-17	26.9	10.30	26.9	10.50	26.8	10.09	26.8	9.90	26.8	9.55	25.1	9.06
	-13.7	-15	28.3	10.50	28.3	9.88	28.1	9.51	27.9	9.32	27.0	9.00	25.1	8.53
	-11.8	-13	29.1	10.07	29.0	9.50	28.8	9.14	27.9	8.95	27.0	8.64	25.1	8.19
	-9.8	-11	30.0	9.62	30.0	9.09	28.8	8.76	27.9	8.56	27.0	8.27	25.1	7.84
	-9.5	-10	30.2	9.55	30.2	9.03	28.8	8.70	27.9	8.51	27.0	8.22	25.1	7.79
	-8.5	-9.1	30.8	9.33	30.5	8.82	28.8	8.50	27.9	8.31	27.0	8.03	25.1	7.61
	-7.0	-7.6	32.2	8.99	30.6	8.52	28.8	8.21	27.9	8.02	27.0	7.75	25.1	7.34
	-5.0	-5.6	32.5	8.54	30.6	8.11	28.8	7.83	27.9	7.64	27.0	7.38	25.1	6.99
	-3.0	-3.7	32.5	8.09	30.6	7.70	28.8	7.44	27.9	7.25	27.0	7.01	25.1	6.64
	0.0	-0.7	32.5	7.41	30.6	7.09	28.8	6.86	27.9	6.67	27.0	6.46	25.1	6.11
	3.0	2.2	32.5	6.74	30.6	6.47	28.8	6.28	27.9	6.09	27.0	5.90	25.1	5.57
	5.0	4.1	32.5	6.29	30.6	6.07	28.8	5.89	27.9	5.70	27.0	5.53	25.1	5.22
	7.0	6.0	32.5	5.84	30.6	5.66	28.8	5.51	27.9	5.32	27.0	5.16	25.1	4.87
	9.0	7.9	32.5	5.43	30.6	5.26	28.8	5.12	27.9	4.94	27.0	4.80	25.1	4.52
	11.0	9.8	32.5	5.02	30.6	4.86	28.8	4.73	27.9	4.57	27.0	4.44	25.1	4.18
13.0	11.8	32.5	4.61	30.6	4.47	28.8	4.35	27.9	4.20	27.0	4.07	25.1	3.84	
15.0	13.7	32.5	4.20	30.6	4.07	28.8	3.96	27.9	3.82	27.0	3.71	25.1	3.50	
80	-24.8	-25	19.9	8.56	19.9	8.76	19.7	8.90	19.7	8.97	19.7	9.31	19.2	8.84
	-21.8	-22	24.0	8.76	24.0	8.97	24.0	9.11	24.0	9.31	24.0	8.84	22.4	8.40
	-19.8	-20	25.3	8.90	25.3	9.10	25.3	9.31	25.0	8.97	24.1	8.53	22.4	8.10
	-18.8	-19	25.7	8.97	25.7	9.31	25.7	9.13	25.0	8.81	24.1	8.37	22.4	7.95
	-16.7	-17	25.8	9.31	25.8	8.94	25.8	8.77	25.0	8.45	24.1	8.04	22.4	7.64
	-13.7	-15	27.0	8.76	26.4	8.42	25.8	8.26	25.0	7.95	24.1	7.57	22.4	7.20
	-11.8	-13	27.8	8.41	27.0	8.09	25.8	7.93	25.0	7.63	24.1	7.28	22.4	6.92
	-9.8	-11	28.5	8.05	27.3	7.74	25.8	7.58	25.0	7.30	24.1	6.97	22.4	6.63
	-9.5	-10	28.7	7.99	27.4	7.69	25.8	7.53	25.0	7.25	24.1	6.92	22.4	6.58
	-8.5	-9.1	28.9	7.81	27.5	7.52	25.8	7.36	25.0	7.08	24.1	6.76	22.4	6.43
	-7.0	-7.6	29.1	7.53	27.5	7.26	25.8	7.10	25.0	6.83	24.1	6.53	22.4	6.21
	-5.0	-5.6	29.1	7.17	27.5	6.91	25.8	6.75	25.0	6.50	24.1	6.22	22.4	5.92
	-3.0	-3.7	29.1	6.80	27.5	6.56	25.8	6.41	25.0	6.16	24.1	5.90	22.4	5.62
	0.0	-0.7	29.1	6.25	27.5	6.04	25.8	5.89	25.0	5.66	24.1	5.44	22.4	5.18
	3.0	2.2	29.1	5.70	27.5	5.52	25.8	5.38	25.0	5.16	24.1	4.97	22.4	4.74
	5.0	4.1	29.1	5.34	27.5	5.18	25.8	5.03	25.0	4.83	24.1	4.66	22.4	4.44
	7.0	6.0	29.1	4.97	27.5	4.83	25.8	4.69	25.0	4.49	24.1	4.34	22.4	4.15
	9.0	7.9	29.1	4.67	27.5	4.53	25.8	4.40	25.0	4.22	24.1	4.08	22.4	3.89
	11.0	9.8	29.1	4.33	27.5	4.21	25.8	4.08	25.0	3.91	24.1	3.78	22.4	3.61
13.0	11.8	29.1	4.05	27.5	3.93	25.8	3.81	25.0	3.65	24.1	3.53	22.4	3.37	
15.0	13.7	29.1	3.81	27.5	3.70	25.8	3.59	25.0	3.44	24.1	3.33	22.4	3.18	

# 7. Capacity Tables

Heating Capacity (10HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	19.9	8.69	19.9	8.75	19.7	8.89	19.7	9.09	19.7	8.59	19.2	8.13
	-21.8	-22	22.1	8.89	22.1	8.96	21.9	9.09	21.2	8.59	20.6	8.13	19.2	7.70
	-19.8	-20	23.6	9.02	23.3	9.09	21.9	8.74	21.2	8.26	20.6	7.83	19.2	7.40
	-18.8	-19	24.3	9.09	23.3	8.91	21.9	8.56	21.2	8.10	20.6	7.67	19.2	7.26
	-16.7	-17	24.7	8.70	23.3	8.52	21.9	8.19	21.2	7.75	20.6	7.35	19.2	6.95
	-13.7	-15	24.7	8.15	23.3	7.97	21.9	7.66	21.2	7.26	20.6	6.89	19.2	6.52
	-11.8	-13	24.7	7.80	23.3	7.62	21.9	7.33	21.2	6.94	20.6	6.60	19.2	6.24
	-9.8	-11	24.7	7.43	23.3	7.25	21.9	6.98	21.2	6.61	20.6	6.29	19.2	5.95
	-9.5	-10	24.7	7.37	23.3	7.19	21.9	6.92	21.2	6.56	20.6	6.25	19.2	5.90
	-8.5	-9.1	24.7	7.19	23.3	7.01	21.9	6.75	21.2	6.40	20.6	6.10	19.2	5.76
	-7.0	-7.6	24.7	6.91	23.3	6.73	21.9	6.48	21.2	6.15	20.6	5.87	19.2	5.54
	-5.0	-5.6	24.7	6.54	23.3	6.36	21.9	6.13	21.2	5.82	20.6	5.56	19.2	5.25
	-3.0	-3.7	24.7	6.17	23.3	6.00	21.9	5.78	21.2	5.49	20.6	5.25	19.2	4.95
	0.0	-0.7	24.7	5.62	23.3	5.44	21.9	5.25	21.2	4.99	20.6	4.79	19.2	4.52
	3.0	2.2	24.7	5.07	23.3	4.89	21.9	4.72	21.2	4.50	20.6	4.33	19.2	4.08
	5.0	4.1	24.7	4.70	23.3	4.52	21.9	4.37	21.2	4.17	20.6	4.03	19.2	3.79
	7.0	6.0	24.7	4.33	23.3	4.16	21.9	4.02	21.2	3.83	20.6	3.72	19.2	3.50
	9.0	7.9	24.7	3.91	23.3	3.75	21.9	3.63	21.2	3.46	20.6	3.36	19.2	3.16
	11.0	9.8	24.7	3.64	23.3	3.49	21.9	3.38	21.2	3.22	20.6	3.13	19.2	2.94
	13.0	11.8	24.7	3.41	23.3	3.27	21.9	3.16	21.2	3.02	20.6	2.93	19.2	2.75
15.0	13.7	24.7	3.21	23.3	3.08	21.9	2.98	21.2	2.84	20.6	2.76	19.2	2.59	
60	-24.8	-25	18.9	8.55	18.9	8.69	18.8	8.89	18.2	8.37	17.6	7.89	16.4	7.45
	-21.8	-22	20.3	8.75	20.1	8.89	18.8	8.37	18.2	7.89	17.6	7.45	16.4	7.02
	-19.8	-20	21.2	8.89	20.1	8.52	18.8	8.03	18.2	7.58	17.6	7.15	16.4	6.74
	-18.8	-19	21.2	8.70	20.1	8.34	18.8	7.86	18.2	7.42	17.6	7.00	16.4	6.60
	-16.7	-17	21.2	8.30	20.1	7.95	18.8	7.50	18.2	7.08	17.6	6.69	16.4	6.30
	-13.7	-15	21.2	7.74	20.1	7.40	18.8	6.98	18.2	6.60	17.6	6.24	16.4	5.87
	-11.8	-13	21.2	7.38	20.1	7.05	18.8	6.66	18.2	6.30	17.6	5.96	16.4	5.61
	-9.8	-11	21.2	7.00	20.1	6.68	18.8	6.31	18.2	5.98	17.6	5.66	16.4	5.32
	-9.5	-10	21.2	6.95	20.1	6.63	18.8	6.26	18.2	5.93	17.6	5.62	16.4	5.28
	-8.5	-9.1	21.2	6.76	20.1	6.45	18.8	6.09	18.2	5.77	17.6	5.47	16.4	5.14
	-7.0	-7.6	21.2	6.48	20.1	6.17	18.8	5.83	18.2	5.53	17.6	5.25	16.4	4.92
	-5.0	-5.6	21.2	6.10	20.1	5.80	18.8	5.49	18.2	5.21	17.6	4.95	16.4	4.64
	-3.0	-3.7	21.2	5.72	20.1	5.43	18.8	5.15	18.2	4.89	17.6	4.65	16.4	4.36
	0.0	-0.7	21.2	5.16	20.1	4.88	18.8	4.63	18.2	4.41	17.6	4.20	16.4	3.93
	3.0	2.2	21.2	4.59	20.1	4.33	18.8	4.12	18.2	3.94	17.6	3.76	16.4	3.51
	5.0	4.1	21.2	4.22	20.1	3.97	18.8	3.77	18.2	3.62	17.6	3.46	16.4	3.22
	7.0	6.0	21.2	3.84	20.1	3.60	18.8	3.43	18.2	3.30	17.6	3.16	16.4	2.94
	9.0	7.9	21.2	3.43	20.1	3.21	18.8	3.06	18.2	2.94	17.6	2.82	16.4	2.62
	11.0	9.8	21.2	3.20	20.1	3.00	18.8	2.86	18.2	2.75	17.6	2.63	16.4	2.45
	13.0	11.8	21.2	3.00	20.1	2.81	18.8	2.68	18.2	2.57	17.6	2.47	16.4	2.29
15.0	13.7	21.2	2.83	20.1	2.65	18.8	2.53	18.2	2.43	17.6	2.33	16.4	2.17	
50	-24.8	-25	17.7	7.53	16.7	7.73	15.7	7.27	15.2	6.85	14.7	6.45	13.7	6.09
	-21.8	-22	17.7	7.73	16.7	7.27	15.7	6.85	15.2	6.45	14.7	6.09	13.7	5.74
	-19.8	-20	17.7	7.41	16.7	6.97	15.7	6.57	15.2	6.19	14.7	5.84	13.7	5.51
	-18.8	-19	17.7	7.24	16.7	6.82	15.7	6.43	15.2	6.06	14.7	5.72	13.7	5.39
	-16.7	-17	17.7	6.91	16.7	6.50	15.7	6.13	15.2	5.78	14.7	5.46	13.7	5.15
	-13.7	-15	17.7	6.42	16.7	6.04	15.7	5.71	15.2	5.38	14.7	5.10	13.7	4.80
	-11.8	-13	17.7	6.12	16.7	5.75	15.7	5.44	15.2	5.13	14.7	4.87	13.7	4.58
	-9.8	-11	17.7	5.80	16.7	5.45	15.7	5.16	15.2	4.87	14.7	4.62	13.7	4.35
	-9.5	-10	17.7	5.75	16.7	5.40	15.7	5.12	15.2	4.83	14.7	4.59	13.7	4.31
	-8.5	-9.1	17.7	5.59	16.7	5.25	15.7	4.98	15.2	4.70	14.7	4.46	13.7	4.20
	-7.0	-7.6	17.7	5.35	16.7	5.03	15.7	4.77	15.2	4.50	14.7	4.28	13.7	4.02
	-5.0	-5.6	17.7	5.03	16.7	4.72	15.7	4.48	15.2	4.24	14.7	4.04	13.7	3.79
	-3.0	-3.7	17.7	4.71	16.7	4.42	15.7	4.20	15.2	3.97	14.7	3.79	13.7	3.56
	0.0	-0.7	17.7	4.22	16.7	3.96	15.7	3.78	15.2	3.58	14.7	3.43	13.7	3.21
	3.0	2.2	17.7	3.74	16.7	3.51	15.7	3.36	15.2	3.18	14.7	3.06	13.7	2.86
	5.0	4.1	17.7	3.42	16.7	3.20	15.7	3.08	15.2	2.92	14.7	2.82	13.7	2.63
	7.0	6.0	17.7	3.10	16.7	2.90	15.7	2.79	15.2	2.65	14.7	2.57	13.7	2.40
	9.0	7.9	17.7	2.80	16.7	2.62	15.7	2.52	15.2	2.40	14.7	2.32	13.7	2.17
	11.0	9.8	17.7	2.62	16.7	2.45	15.7	2.36	15.2	2.24	14.7	2.17	13.7	2.03
	13.0	11.8	17.7	2.46	16.7	2.30	15.7	2.22	15.2	2.11	14.7	2.04	13.7	1.90
15.0	13.7	17.7	2.33	16.7	2.18	15.7	2.10	15.2	1.99	14.7	1.93	13.7	1.80	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN120BTE5

Heating Capacity (12HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	23.9	11.62	23.9	11.84	23.8	12.03	23.8	12.32	23.8	12.60	23.7	13.03
	-21.8	-22	28.4	12.06	28.4	12.28	28.2	12.47	28.2	12.76	28.2	13.03	28.1	13.47
	-19.8	-20	29.6	12.35	29.6	12.57	29.4	12.76	29.4	13.05	29.4	13.32	29.3	13.76
	-18.8	-19	30.3	12.49	30.3	12.71	30.1	12.90	30.1	13.19	30.1	13.47	30.0	13.91
	-16.7	-17	31.8	12.80	31.8	13.02	31.6	13.21	31.6	13.50	31.6	13.77	31.4	14.21
	-13.7	-15	33.9	13.24	33.9	13.45	33.7	13.64	33.7	13.93	33.7	14.21	33.5	13.55
	-11.8	-13	35.0	13.51	35.0	13.73	34.8	13.92	34.8	14.21	34.8	13.76	34.8	13.13
	-9.8	-11	36.2	13.80	36.2	14.02	35.9	14.21	35.9	13.71	35.9	13.28	35.9	12.69
	-9.5	-10	36.4	13.85	36.4	14.07	36.2	14.13	36.2	13.64	36.1	13.21	36.1	12.62
	-8.5	-9.1	37.3	13.99	37.3	14.21	37.1	13.87	37.1	13.39	36.7	12.97	36.7	12.40
	-7.0	-7.6	38.7	14.21	38.7	13.82	38.4	13.48	38.4	13.02	38.4	12.61	38.2	12.07
	-5.0	-5.6	40.5	13.67	40.5	13.29	40.2	12.96	40.2	12.52	40.2	12.13	39.5	11.63
	-3.0	-3.7	42.3	13.14	42.3	12.76	42.0	12.44	42.0	12.03	42.0	11.65	40.9	11.19
	0.0	-0.7	44.9	12.33	44.9	11.97	44.7	11.65	44.7	11.28	44.7	10.93	42.7	10.53
	3.0	2.2	47.6	11.53	47.6	11.18	47.3	10.87	47.3	10.54	45.8	10.22	42.7	9.86
	5.0	4.1	48.9	11.00	48.9	10.65	48.7	10.35	47.5	10.04	45.8	9.74	42.7	9.42
	7.0	6.0	48.9	10.46	48.9	10.12	48.7	9.83	47.5	9.54	45.8	9.26	42.7	8.98
9.0	7.9	48.9	10.00	48.9	9.68	48.7	9.40	47.5	9.13	45.8	8.85	42.7	8.59	
11.0	9.8	48.9	9.63	48.9	9.32	48.7	9.05	47.5	8.78	45.8	8.52	42.7	8.27	
13.0	11.8	48.9	9.23	48.9	8.94	48.7	8.68	47.5	8.42	45.8	8.17	42.7	7.93	
15.0	13.7	48.9	8.81	48.9	8.53	48.7	8.28	47.5	8.04	45.8	7.80	42.7	7.57	
120	-24.8	-25	23.8	11.84	23.8	12.03	23.6	12.32	23.6	12.60	23.6	13.03	23.5	13.34
	-21.8	-22	28.2	12.28	28.2	12.47	28.0	12.76	28.0	13.03	28.0	13.47	27.9	13.77
	-19.8	-20	29.4	12.57	29.4	12.76	29.2	13.05	29.2	13.32	29.2	13.76	29.1	14.07
	-18.8	-19	30.1	12.71	30.1	12.90	29.9	13.19	29.9	13.47	29.9	13.91	29.8	14.21
	-16.7	-17	31.6	13.02	31.6	13.21	31.4	13.50	31.4	13.77	31.4	14.21	31.2	13.78
	-13.7	-15	33.6	13.45	33.6	13.64	33.4	13.93	33.4	14.21	33.4	13.57	33.3	13.18
	-11.8	-13	34.7	13.73	34.7	13.92	34.5	14.21	34.5	13.75	34.5	13.16	34.5	12.79
	-9.8	-11	35.9	14.02	35.9	14.21	35.7	13.70	35.7	13.27	35.7	12.73	35.7	12.39
	-9.5	-10	36.2	14.07	36.2	14.13	36.0	13.62	36.0	13.20	36.0	12.67	36.0	12.32
	-8.5	-9.1	37.1	14.21	37.1	13.85	36.8	13.37	36.8	12.96	36.8	12.46	36.8	12.12
	-7.0	-7.6	38.4	13.79	38.4	13.44	38.2	12.98	38.2	12.60	38.0	12.14	37.9	11.82
	-5.0	-5.6	40.2	13.23	40.2	12.89	39.9	12.47	39.9	12.12	39.9	11.71	39.3	11.41
	-3.0	-3.7	42.0	12.67	42.0	12.34	41.7	11.96	41.7	11.64	41.7	11.28	40.1	11.01
	0.0	-0.7	44.6	11.83	44.6	11.52	44.3	11.20	44.3	10.91	43.1	10.64	40.1	10.40
	3.0	2.2	47.3	10.99	47.3	10.70	46.1	10.43	44.5	10.19	43.1	10.00	40.1	9.79
	5.0	4.1	48.5	10.43	48.0	10.15	46.1	9.92	44.5	9.71	43.1	9.57	40.1	9.38
	7.0	6.0	48.5	9.86	48.0	9.60	46.1	9.41	44.5	9.23	43.1	9.14	40.1	8.98
9.0	7.9	48.5	9.42	48.0	9.17	46.1	8.99	44.5	8.81	43.1	8.73	40.1	8.58	
11.0	9.8	48.5	9.06	48.0	8.81	46.1	8.64	44.5	8.47	43.1	8.39	40.1	8.24	
13.0	11.8	48.5	8.67	48.0	8.44	46.1	8.27	44.5	8.11	43.1	8.03	40.1	7.89	
15.0	13.7	48.5	8.26	48.0	8.04	46.1	7.88	44.5	7.73	43.1	7.66	40.1	7.52	
110	-24.8	-25	23.6	12.03	23.6	12.32	23.5	12.60	23.5	13.03	23.5	13.34	23.4	13.48
	-21.8	-22	28.1	12.47	28.1	12.76	27.9	13.03	27.9	13.47	27.9	13.77	27.8	13.92
	-19.8	-20	29.2	12.76	29.2	13.05	29.1	13.32	29.1	13.76	29.1	14.07	28.9	14.21
	-18.8	-19	29.9	12.90	29.9	13.19	29.7	13.47	29.7	13.91	29.7	14.21	29.6	13.99
	-16.7	-17	31.4	13.21	31.4	13.50	31.2	13.77	31.2	14.21	31.2	13.76	31.0	13.54
	-13.7	-15	33.5	13.64	33.5	13.93	33.2	14.21	33.2	13.52	33.2	13.11	33.2	12.89
	-11.8	-13	34.6	13.92	34.6	14.21	34.3	13.72	34.3	13.09	34.3	12.70	34.3	12.47
	-9.8	-11	35.7	14.21	35.7	13.65	35.5	13.21	35.5	12.63	35.5	12.27	35.5	12.04
	-9.5	-10	36.0	14.12	36.0	13.57	35.8	13.13	35.8	12.56	35.8	12.21	35.8	11.97
	-8.5	-9.1	36.9	13.82	36.9	13.29	36.6	12.87	36.6	12.33	36.6	11.99	36.1	11.76
	-7.0	-7.6	38.2	13.36	38.2	12.88	38.0	12.48	38.0	11.98	38.0	11.67	36.1	11.43
	-5.0	-5.6	40.0	12.76	40.0	12.32	39.7	11.97	39.7	11.53	38.6	11.24	36.1	11.00
	-3.0	-3.7	41.7	12.15	41.7	11.76	41.3	11.45	40.0	11.07	38.6	10.81	36.1	10.56
	0.0	-0.7	44.4	11.24	44.0	10.93	41.3	10.68	40.0	10.38	38.6	10.16	36.1	9.91
	3.0	2.2	46.6	10.33	44.0	10.09	41.3	9.91	40.0	9.69	38.6	9.52	36.1	9.26
	5.0	4.1	46.6	9.72	44.0	9.54	41.3	9.39	40.0	9.23	38.6	9.09	36.1	8.83
	7.0	6.0	46.6	9.12	44.0	8.98	41.3	8.88	40.0	8.77	38.6	8.66	36.1	8.39
9.0	7.9	46.6	8.67	44.0	8.54	41.3	8.45	40.0	8.34	38.6	8.24	36.1	7.98	
11.0	9.8	46.6	8.30	44.0	8.18	41.3	8.08	40.0	7.99	38.6	7.88	36.1	7.64	
13.0	11.8	46.6	7.91	44.0	7.79	41.3	7.70	40.0	7.61	38.6	7.51	36.1	7.28	
15.0	13.7	46.6	7.49	44.0	7.38	41.3	7.30	40.0	7.21	38.6	7.11	36.1	6.89	

# 7. Capacity Tables

Heating Capacity (12HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	23.5	13.56	23.5	13.65	23.4	13.15	23.4	13.86	23.4	13.95	23.3	14.00
	-21.8	-22	27.9	13.69	27.9	13.78	27.8	13.57	27.8	13.99	27.8	14.30	27.6	14.12
	-19.8	-20	29.1	13.78	29.1	13.87	28.9	13.85	28.9	14.08	28.9	14.24	28.8	14.21
	-18.8	-19	29.8	13.82	29.6	13.91	29.6	13.99	29.6	14.12	29.6	14.21	29.5	13.96
	-16.7	-17	31.1	13.91	31.1	14.00	31.1	14.30	30.9	14.21	30.9	13.68	30.7	13.42
	-13.7	-15	33.3	14.04	33.3	14.13	33.1	14.21	33.1	13.43	33.1	12.92	33.0	12.66
	-11.8	-13	34.4	14.12	34.2	14.21	34.2	13.68	34.2	12.93	34.2	12.44	33.0	12.18
	-9.8	-11	35.5	14.21	35.5	13.61	35.4	13.12	35.4	12.41	35.4	11.94	33.0	11.67
	-9.5	-10	35.8	14.11	35.8	13.52	35.6	13.03	35.6	12.33	35.4	11.86	33.0	11.59
	-8.5	-9.1	36.7	13.79	36.7	13.22	36.5	12.75	36.6	12.07	35.4	11.61	33.0	11.34
	-7.0	-7.6	38.6	13.31	38.5	12.77	37.8	12.33	36.6	11.68	35.4	11.23	33.0	10.96
	-5.0	-5.6	40.3	12.67	39.9	12.16	37.8	11.77	36.6	11.16	35.4	10.72	33.0	10.45
	-3.0	-3.7	41.5	12.03	40.2	11.56	37.8	11.21	36.6	10.64	35.4	10.22	33.0	9.94
	0.0	-0.7	42.6	11.07	40.2	10.66	37.8	10.36	36.6	9.86	35.4	9.46	33.0	9.18
	3.0	2.2	42.6	10.11	40.2	9.75	37.8	9.52	36.6	9.08	35.4	8.70	33.0	8.41
	5.0	4.1	42.6	9.47	40.2	9.15	37.8	8.96	36.6	8.56	35.4	8.19	33.0	7.90
	7.0	6.0	42.6	8.83	40.2	8.55	37.8	8.40	36.6	8.04	35.4	7.69	33.0	7.39
9.0	7.9	42.6	8.31	40.2	8.05	37.8	7.91	36.6	7.56	35.4	7.24	33.0	6.96	
11.0	9.8	42.6	7.85	40.2	7.61	37.8	7.47	36.6	7.15	35.4	6.84	33.0	6.58	
13.0	11.8	42.6	7.37	40.2	7.14	37.8	7.02	36.6	6.71	35.4	6.42	33.0	6.18	
15.0	13.7	42.6	6.87	40.2	6.65	37.8	6.54	36.6	6.26	35.4	5.99	33.0	5.76	
90	-24.8	-25	23.4	11.94	23.4	12.38	23.3	12.68	23.3	12.83	23.3	13.12	23.2	13.55
	-21.8	-22	27.8	12.38	27.8	12.81	27.7	13.12	27.7	13.26	27.7	13.55	27.5	12.91
	-19.8	-20	29.0	12.67	29.0	13.10	28.8	13.41	28.8	13.55	28.8	13.11	28.7	12.48
	-18.8	-19	29.8	12.81	29.6	13.25	29.5	13.55	29.5	13.32	29.5	12.88	29.4	12.26
	-16.7	-17	31.1	13.12	31.1	13.55	30.9	13.07	30.9	12.84	30.9	12.42	30.1	11.81
	-13.7	-15	33.3	13.55	33.3	12.83	33.0	12.38	33.0	12.14	32.4	11.75	30.1	11.17
	-11.8	-13	34.4	13.05	34.2	12.37	34.1	11.94	33.5	11.70	32.4	11.32	30.1	10.76
	-9.8	-11	35.5	12.52	35.5	11.88	34.6	11.48	33.5	11.24	32.4	10.88	30.1	10.33
	-9.5	-10	35.8	12.44	35.8	11.81	34.6	11.41	33.5	11.17	32.4	10.81	30.1	10.27
	-8.5	-9.1	36.7	12.18	36.4	11.57	34.6	11.18	33.5	10.94	32.4	10.59	30.1	10.05
	-7.0	-7.6	38.6	11.78	36.7	11.21	34.6	10.83	33.5	10.59	32.4	10.25	30.1	9.73
	-5.0	-5.6	39.0	11.25	36.7	10.72	34.6	10.37	33.5	10.13	32.4	9.81	30.1	9.30
	-3.0	-3.7	39.0	10.72	36.7	10.24	34.6	9.91	33.5	9.66	32.4	9.36	30.1	8.87
	0.0	-0.7	39.0	9.92	36.7	9.51	34.6	9.22	33.5	8.97	32.4	8.69	30.1	8.23
	3.0	2.2	39.0	9.13	36.7	8.79	34.6	8.53	33.5	8.27	32.4	8.02	30.1	7.58
	5.0	4.1	39.0	8.60	36.7	8.30	34.6	8.07	33.5	7.81	32.4	7.58	30.1	7.15
	7.0	6.0	39.0	8.07	36.7	7.82	34.6	7.61	33.5	7.35	32.4	7.13	30.1	6.72
9.0	7.9	39.0	7.58	36.7	7.34	34.6	7.15	33.5	6.90	32.4	6.70	30.1	6.32	
11.0	9.8	39.0	7.09	36.7	6.87	34.6	6.69	33.5	6.46	32.4	6.27	30.1	5.91	
13.0	11.8	39.0	6.60	36.7	6.40	34.6	6.22	33.5	6.01	32.4	5.83	30.1	5.50	
15.0	13.7	39.0	6.11	36.7	5.92	34.6	5.76	33.5	5.57	32.4	5.40	30.1	5.09	
80	-24.8	-25	23.3	10.40	23.3	10.84	23.2	11.15	23.2	11.29	23.2	12.02	23.1	11.45
	-21.8	-22	27.5	10.84	27.5	11.28	27.5	11.58	27.5	12.02	27.5	11.45	26.9	10.91
	-19.8	-20	28.7	11.13	28.7	11.57	28.7	12.02	28.7	11.61	28.7	11.07	26.9	10.55
	-18.8	-19	29.4	11.28	29.4	12.02	29.4	11.81	29.4	11.41	28.9	10.88	26.9	10.37
	-16.7	-17	30.9	12.02	30.9	11.58	30.9	11.38	30.0	10.99	28.9	10.49	26.9	9.99
	-13.7	-15	32.3	11.37	31.7	10.96	30.9	10.76	30.0	10.38	28.9	9.92	26.9	9.45
	-11.8	-13	33.2	10.95	32.2	10.57	30.9	10.36	30.0	10.00	28.9	9.56	26.9	9.11
	-9.8	-11	34.1	10.52	32.7	10.15	30.9	9.95	30.0	9.60	28.9	9.18	26.9	8.75
	-9.5	-10	34.3	10.45	32.8	10.09	30.9	9.89	30.0	9.54	28.9	9.12	26.9	8.70
	-8.5	-9.1	34.7	10.24	33.0	9.88	30.9	9.68	30.0	9.33	28.9	8.93	26.9	8.52
	-7.0	-7.6	35.0	9.91	33.0	9.57	30.9	9.37	30.0	9.03	28.9	8.65	26.9	8.25
	-5.0	-5.6	35.0	9.48	33.0	9.16	30.9	8.96	30.0	8.63	28.9	8.27	26.9	7.89
	-3.0	-3.7	35.0	9.04	33.0	8.74	30.9	8.54	30.0	8.22	28.9	7.89	26.9	7.53
	0.0	-0.7	35.0	8.39	33.0	8.12	30.9	7.92	30.0	7.62	28.9	7.32	26.9	6.99
	3.0	2.2	35.0	7.74	33.0	7.50	30.9	7.30	30.0	7.01	28.9	6.76	26.9	6.45
	5.0	4.1	35.0	7.30	33.0	7.08	30.9	6.89	30.0	6.61	28.9	6.38	26.9	6.09
	7.0	6.0	35.0	6.87	33.0	6.67	30.9	6.47	30.0	6.20	28.9	6.00	26.9	5.73
9.0	7.9	35.0	6.45	33.0	6.26	30.9	6.08	30.0	5.83	28.9	5.63	26.9	5.38	
11.0	9.8	35.0	5.99	33.0	5.81	30.9	5.64	30.0	5.41	28.9	5.23	26.9	4.99	
13.0	11.8	35.0	5.59	33.0	5.43	30.9	5.27	30.0	5.05	28.9	4.88	26.9	4.66	
15.0	13.7	35.0	5.26	33.0	5.11	30.9	4.96	30.0	4.75	28.9	4.59	26.9	4.39	

# 7. Capacity Tables

Heating Capacity (12HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	23.3	10.71	23.3	10.85	23.2	11.15	23.2	11.58	23.2	10.99	23.0	10.44
	-21.8	-22	26.5	11.15	26.5	11.29	26.3	11.58	25.4	10.99	24.7	10.44	23.0	9.91
	-19.8	-20	28.6	11.44	28.0	11.58	26.3	11.16	25.4	10.59	24.7	10.07	23.0	9.56
	-18.8	-19	29.4	11.58	28.0	11.36	26.3	10.95	25.4	10.40	24.7	9.89	23.0	9.38
	-16.7	-17	29.6	11.13	28.0	10.91	26.3	10.51	25.4	9.98	24.7	9.50	23.0	9.01
	-13.7	-15	29.6	10.48	28.0	10.25	26.3	9.89	25.4	9.39	24.7	8.95	23.0	8.48
	-11.8	-13	29.6	10.06	28.0	9.84	26.3	9.49	25.4	9.01	24.7	8.60	23.0	8.15
	-9.8	-11	29.6	9.63	28.0	9.40	26.3	9.07	25.4	8.62	24.7	8.23	23.0	7.79
	-9.5	-10	29.6	9.56	28.0	9.34	26.3	9.01	25.4	8.56	24.7	8.17	23.0	7.74
	-8.5	-9.1	29.6	9.35	28.0	9.12	26.3	8.80	25.4	8.36	24.7	7.99	23.0	7.56
	-7.0	-7.6	29.6	9.02	28.0	8.79	26.3	8.48	25.4	8.06	24.7	7.71	23.0	7.30
	-5.0	-5.6	29.6	8.59	28.0	8.36	26.3	8.06	25.4	7.67	24.7	7.35	23.0	6.95
	-3.0	-3.7	29.6	8.15	28.0	7.92	26.3	7.64	25.4	7.27	24.7	6.98	23.0	6.59
	0.0	-0.7	29.6	7.50	28.0	7.27	26.3	7.02	25.4	6.68	24.7	6.43	23.0	6.06
	3.0	2.2	29.6	6.85	28.0	6.61	26.3	6.39	25.4	6.09	24.7	5.87	23.0	5.54
	5.0	4.1	29.6	6.42	28.0	6.18	26.3	5.97	25.4	5.69	24.7	5.51	23.0	5.18
	7.0	6.0	29.6	5.98	28.0	5.74	26.3	5.55	25.4	5.30	24.7	5.14	23.0	4.83
	9.0	7.9	29.6	5.40	28.0	5.18	26.3	5.01	25.4	4.78	24.7	4.64	23.0	4.36
11.0	9.8	29.6	5.03	28.0	4.83	26.3	4.67	25.4	4.45	24.7	4.32	23.0	4.06	
13.0	11.8	29.6	4.71	28.0	4.52	26.3	4.37	25.4	4.17	24.7	4.04	23.0	3.80	
15.0	13.7	29.6	4.44	28.0	4.26	26.3	4.12	25.4	3.93	24.7	3.81	23.0	3.58	
60	-24.8	-25	22.7	10.42	22.7	10.71	22.6	11.15	21.8	10.54	21.1	9.98	19.7	9.45
	-21.8	-22	24.3	10.85	24.1	11.15	22.6	10.54	21.8	9.98	21.1	9.45	19.7	8.94
	-19.8	-20	25.4	11.15	24.1	10.72	22.6	10.14	21.8	9.60	21.1	9.09	19.7	8.60
	-18.8	-19	25.4	10.93	24.1	10.50	22.6	9.94	21.8	9.41	21.1	8.92	19.7	8.43
	-16.7	-17	25.4	10.47	24.1	10.05	22.6	9.51	21.8	9.02	21.1	8.55	19.7	8.08
	-13.7	-15	25.4	9.82	24.1	9.41	22.6	8.91	21.8	8.45	21.1	8.02	19.7	7.57
	-11.8	-13	25.4	9.40	24.1	9.00	22.6	8.53	21.8	8.09	21.1	7.68	19.7	7.25
	-9.8	-11	25.4	8.97	24.1	8.57	22.6	8.12	21.8	7.72	21.1	7.33	19.7	6.91
	-9.5	-10	25.4	8.90	24.1	8.51	22.6	8.06	21.8	7.66	21.1	7.28	19.7	6.86
	-8.5	-9.1	25.4	8.68	24.1	8.29	22.6	7.86	21.8	7.47	21.1	7.10	19.7	6.69
	-7.0	-7.6	25.4	8.36	24.1	7.97	22.6	7.56	21.8	7.19	21.1	6.84	19.7	6.43
	-5.0	-5.6	25.4	7.92	24.1	7.54	22.6	7.16	21.8	6.81	21.1	6.48	19.7	6.09
	-3.0	-3.7	25.4	7.49	24.1	7.11	22.6	6.75	21.8	6.44	21.1	6.13	19.7	5.76
	0.0	-0.7	25.4	6.83	24.1	6.47	22.6	6.15	21.8	5.87	21.1	5.60	19.7	5.25
	3.0	2.2	25.4	6.18	24.1	5.83	22.6	5.54	21.8	5.31	21.1	5.07	19.7	4.74
	5.0	4.1	25.4	5.74	24.1	5.40	22.6	5.14	21.8	4.93	21.1	4.72	19.7	4.40
	7.0	6.0	25.4	5.31	24.1	4.97	22.6	4.74	21.8	4.55	21.1	4.37	19.7	4.06
	9.0	7.9	25.4	4.73	24.1	4.43	22.6	4.23	21.8	4.06	21.1	3.90	19.7	3.62
11.0	9.8	25.4	4.42	24.1	4.14	22.6	3.95	21.8	3.79	21.1	3.64	19.7	3.38	
13.0	11.8	25.4	4.14	24.1	3.88	22.6	3.70	21.8	3.55	21.1	3.41	19.7	3.17	
15.0	13.7	25.4	3.91	24.1	3.67	22.6	3.50	21.8	3.36	21.1	3.22	19.7	3.00	
50	-24.8	-25	21.2	9.54	20.0	9.98	18.8	9.41	18.2	8.89	17.6	8.40	16.4	7.94
	-21.8	-22	21.2	9.98	20.0	9.41	18.8	8.89	18.2	8.40	17.6	7.94	16.4	7.50
	-19.8	-20	21.2	9.58	20.0	9.04	18.8	8.54	18.2	8.07	17.6	7.64	16.4	7.21
	-18.8	-19	21.2	9.38	20.0	8.85	18.8	8.37	18.2	7.90	17.6	7.48	16.4	7.07
	-16.7	-17	21.2	8.97	20.0	8.46	18.8	8.00	18.2	7.56	17.6	7.16	16.4	6.76
	-13.7	-15	21.2	8.37	20.0	7.89	18.8	7.48	18.2	7.07	17.6	6.71	16.4	6.33
	-11.8	-13	21.2	8.00	20.0	7.54	18.8	7.14	18.2	6.75	17.6	6.42	16.4	6.05
	-9.8	-11	21.2	7.60	20.0	7.16	18.8	6.79	18.2	6.43	17.6	6.11	16.4	5.76
	-9.5	-10	21.2	7.54	20.0	7.11	18.8	6.74	18.2	6.38	17.6	6.07	16.4	5.72
	-8.5	-9.1	21.2	7.35	20.0	6.92	18.8	6.57	18.2	6.21	17.6	5.91	16.4	5.57
	-7.0	-7.6	21.2	7.05	20.0	6.64	18.8	6.31	18.2	5.97	17.6	5.69	16.4	5.35
	-5.0	-5.6	21.2	6.65	20.0	6.26	18.8	5.96	18.2	5.64	17.6	5.38	16.4	5.06
	-3.0	-3.7	21.2	6.26	20.0	5.89	18.8	5.61	18.2	5.31	17.6	5.08	16.4	4.77
	0.0	-0.7	21.2	5.67	20.0	5.32	18.8	5.08	18.2	4.82	17.6	4.62	16.4	4.33
	3.0	2.2	21.2	5.07	20.0	4.76	18.8	4.56	18.2	4.32	17.6	4.16	16.4	3.90
	5.0	4.1	21.2	4.68	20.0	4.38	18.8	4.21	18.2	4.00	17.6	3.86	16.4	3.61
	7.0	6.0	21.2	4.28	20.0	4.01	18.8	3.86	18.2	3.67	17.6	3.55	16.4	3.32
	9.0	7.9	21.2	3.87	20.0	3.62	18.8	3.49	18.2	3.31	17.6	3.21	16.4	2.99
11.0	9.8	21.2	3.62	20.0	3.39	18.8	3.26	18.2	3.10	17.6	3.00	16.4	2.80	
13.0	11.8	21.2	3.40	20.0	3.18	18.8	3.06	18.2	2.91	17.6	2.82	16.4	2.63	
15.0	13.7	21.2	3.21	20.0	3.01	18.8	2.90	18.2	2.75	17.6	2.67	16.4	2.49	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN140BTE5

Heating Capacity (14HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	27.3	13.69	27.3	13.83	27.2	13.95	27.2	14.14	27.2	14.32	26.6	14.60
	-21.8	-22	33.3	13.97	33.3	14.11	33.0	14.23	33.0	14.42	33.0	14.60	32.4	14.88
	-19.8	-20	35.1	14.16	35.1	14.30	34.9	14.42	34.9	14.61	34.9	14.79	34.2	15.07
	-18.8	-19	35.9	14.25	35.9	14.39	35.7	14.52	35.7	14.71	35.7	14.88	35.0	15.17
	-16.7	-17	37.7	14.45	37.7	14.59	37.4	14.71	37.4	14.90	37.4	15.08	36.7	15.37
	-13.7	-15	40.1	14.73	40.1	14.88	39.9	15.00	39.9	15.19	39.9	15.37	39.1	14.80
	-11.8	-13	41.4	14.91	41.4	15.05	41.2	15.18	41.2	15.37	41.2	14.99	40.6	14.44
	-9.8	-11	42.8	15.10	42.8	15.24	42.5	15.37	42.5	14.96	42.5	14.58	42.2	14.06
	-9.5	-10	43.1	15.13	43.1	15.27	42.8	15.30	42.8	14.90	42.8	14.52	42.5	14.00
	-8.5	-9.1	43.9	15.22	43.9	15.37	43.6	15.10	43.6	14.70	43.4	14.32	43.3	13.81
	-7.0	-7.6	45.1	15.37	45.1	15.07	44.8	14.79	44.8	14.40	44.8	14.02	44.5	13.53
	-5.0	-5.6	46.8	14.98	46.8	14.67	46.5	14.38	46.5	13.99	46.5	13.62	46.1	13.15
	-3.0	-3.7	48.4	14.60	48.4	14.27	48.1	13.97	48.1	13.59	48.1	13.22	47.7	12.77
	0.0	-0.7	50.9	14.02	50.9	13.67	50.6	13.35	50.6	12.98	50.6	12.62	49.8	12.21
	3.0	2.2	53.4	13.44	53.4	13.07	53.0	12.73	53.0	12.37	53.0	12.02	49.8	11.64
	5.0	4.1	55.0	13.06	55.0	12.67	54.7	12.32	54.7	11.97	53.5	11.62	49.8	11.26
	7.0	6.0	56.7	12.68	56.7	12.27	56.3	11.91	55.4	11.56	53.5	11.22	49.8	10.88
	9.0	7.9	57.0	12.36	57.0	11.96	56.8	11.61	55.4	11.28	53.5	10.94	49.8	10.61
11.0	9.8	57.0	12.15	57.0	11.76	56.8	11.42	55.4	11.09	53.5	10.76	49.8	10.44	
13.0	11.8	57.0	11.93	57.0	11.55	56.8	11.21	55.4	10.88	53.5	10.56	49.8	10.24	
15.0	13.7	57.0	11.69	57.0	11.31	56.8	10.98	55.4	10.66	53.5	10.35	49.8	10.04	
120	-24.8	-25	27.1	13.83	27.1	13.95	27.0	14.14	27.0	14.32	27.0	14.60	26.4	14.80
	-21.8	-22	33.0	14.11	33.0	14.23	32.8	14.42	32.8	14.60	32.8	14.88	32.2	15.08
	-19.8	-20	34.8	14.30	34.8	14.42	34.6	14.61	34.6	14.79	34.6	15.07	33.9	15.27
	-18.8	-19	35.7	14.39	35.7	14.52	35.4	14.71	35.4	14.88	35.4	15.17	34.7	15.37
	-16.7	-17	37.4	14.59	37.4	14.71	37.2	14.90	37.2	15.08	37.2	15.37	36.4	15.00
	-13.7	-15	39.8	14.88	39.8	15.00	39.6	15.19	39.6	15.37	39.6	14.82	38.8	14.48
	-11.8	-13	41.1	15.05	41.1	15.18	40.9	15.37	40.9	14.98	40.9	14.48	40.3	14.15
	-9.8	-11	42.5	15.24	42.5	15.37	42.2	14.94	42.2	14.58	42.2	14.12	41.9	13.80
	-9.5	-10	42.8	15.27	42.8	15.30	42.5	14.88	42.5	14.52	42.5	14.06	42.2	13.75
	-8.5	-9.1	43.6	15.37	43.6	15.08	43.3	14.67	43.3	14.32	43.3	13.88	43.0	13.57
	-7.0	-7.6	44.8	15.04	44.8	14.74	44.5	14.35	44.5	14.01	44.5	13.61	44.2	13.31
	-5.0	-5.6	46.4	14.60	46.4	14.30	46.1	13.93	46.1	13.61	46.1	13.25	45.8	12.97
	-3.0	-3.7	48.1	14.16	48.1	13.85	47.8	13.51	47.8	13.20	47.8	12.89	46.8	12.62
	0.0	-0.7	50.5	13.50	50.5	13.19	50.2	12.88	50.2	12.60	50.2	12.34	46.8	12.10
	3.0	2.2	53.0	12.83	53.0	12.52	52.6	12.25	52.0	11.99	50.3	11.80	46.8	11.58
	5.0	4.1	54.6	12.39	54.6	12.08	53.7	11.82	52.0	11.59	50.3	11.44	46.8	11.23
	7.0	6.0	56.3	11.95	55.9	11.63	53.7	11.40	52.0	11.18	50.3	11.08	46.8	10.88
	9.0	7.9	56.5	11.63	55.9	11.31	53.7	11.09	52.0	10.88	50.3	10.77	46.8	10.58
11.0	9.8	56.5	11.40	55.9	11.09	53.7	10.87	52.0	10.67	50.3	10.57	46.8	10.38	
13.0	11.8	56.5	11.16	55.9	10.86	53.7	10.64	52.0	10.44	50.3	10.34	46.8	10.16	
15.0	13.7	56.5	10.90	55.9	10.60	53.7	10.39	52.0	10.20	50.3	10.10	46.8	9.92	
110	-24.8	-25	27.0	13.95	27.0	14.14	26.8	14.32	26.8	14.60	26.8	14.80	26.3	14.89
	-21.8	-22	32.8	14.23	32.8	14.42	32.6	14.60	32.6	14.88	32.6	15.08	32.0	15.18
	-19.8	-20	34.7	14.42	34.7	14.61	34.4	14.79	34.4	15.07	34.4	15.27	33.8	15.37
	-18.8	-19	35.5	14.52	35.5	14.71	35.2	14.88	35.2	15.17	35.2	15.37	34.6	15.17
	-16.7	-17	37.2	14.71	37.2	14.90	37.0	15.08	37.0	15.37	37.0	14.97	36.2	14.76
	-13.7	-15	39.6	15.00	39.6	15.19	39.4	15.37	39.4	14.77	39.4	14.40	39.4	14.18
	-11.8	-13	40.9	15.18	40.9	15.37	40.7	14.94	40.7	14.39	40.7	14.04	40.7	13.81
	-9.8	-11	42.3	15.37	42.3	14.89	42.0	14.50	42.0	13.99	42.0	13.67	42.0	13.43
	-9.5	-10	42.5	15.29	42.5	14.82	42.3	14.43	42.3	13.93	42.3	13.61	42.1	13.37
	-8.5	-9.1	43.3	15.03	43.3	14.58	43.1	14.21	43.1	13.73	43.1	13.42	42.1	13.17
	-7.0	-7.6	44.6	14.65	44.6	14.22	44.3	13.88	44.3	13.43	44.3	13.14	42.1	12.88
	-5.0	-5.6	46.2	14.13	46.2	13.74	45.9	13.43	45.9	13.03	45.1	12.76	42.1	12.50
	-3.0	-3.7	47.8	13.62	47.8	13.27	47.5	12.99	46.6	12.63	45.1	12.38	42.1	12.11
	0.0	-0.7	50.3	12.85	50.3	12.55	48.2	12.32	46.6	12.03	45.1	11.82	42.1	11.53
	3.0	2.2	52.7	12.08	51.4	11.84	48.2	11.65	46.6	11.43	45.1	11.25	42.1	10.94
	5.0	4.1	54.3	11.56	51.4	11.36	48.2	11.21	46.6	11.03	45.1	10.87	42.1	10.56
	7.0	6.0	54.4	11.05	51.4	10.88	48.2	10.76	46.6	10.63	45.1	10.49	42.1	10.17
	9.0	7.9	54.4	10.70	51.4	10.54	48.2	10.42	46.6	10.29	45.1	10.16	42.1	9.85
11.0	9.8	54.4	10.44	51.4	10.28	48.2	10.17	46.6	10.04	45.1	9.91	42.1	9.61	
13.0	11.8	54.4	10.16	51.4	10.01	48.2	9.90	46.6	9.78	45.1	9.65	42.1	9.35	
15.0	13.7	54.4	9.87	51.4	9.72	48.2	9.61	46.6	9.49	45.1	9.37	42.1	9.08	

# 7. Capacity Tables

Heating Capacity (14HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	26.9	15.37	26.9	15.37	26.7	14.52	26.7	15.37	26.7	15.37	26.2	15.37
	-21.8	-22	32.7	15.37	32.7	15.37	32.5	14.98	32.5	15.37	32.5	15.57	31.9	15.37
	-19.8	-20	34.5	15.37	34.5	15.37	34.3	15.27	34.3	15.37	34.3	15.43	33.6	15.37
	-18.8	-19	35.3	15.37	35.1	15.37	35.1	15.37	35.1	15.37	35.1	15.37	34.4	15.13
	-16.7	-17	36.8	15.37	36.8	15.37	36.8	15.57	36.6	15.37	36.6	14.87	35.9	14.63
	-13.7	-15	39.4	15.37	39.4	15.37	39.2	15.37	39.2	14.65	39.2	14.17	38.5	13.91
	-11.8	-13	40.7	15.37	40.5	15.37	40.5	14.89	40.5	14.20	40.5	13.72	38.5	13.45
	-9.8	-11	42.1	15.37	42.1	14.83	41.8	14.39	41.8	13.73	41.3	13.26	38.5	12.98
	-9.5	-10	42.3	15.28	42.3	14.75	42.1	14.31	42.1	13.66	41.3	13.19	38.5	12.90
	-8.5	-9.1	43.1	15.00	43.1	14.49	42.9	14.06	42.7	13.42	41.3	12.95	38.5	12.67
	-7.0	-7.6	45.1	14.59	44.9	14.09	44.1	13.69	42.7	13.06	41.3	12.60	38.5	12.31
	-5.0	-5.6	47.0	14.03	46.6	13.56	44.1	13.19	42.7	12.59	41.3	12.13	38.5	11.83
	-3.0	-3.7	48.4	13.48	46.9	13.02	44.1	12.69	42.7	12.11	41.3	11.66	38.5	11.35
	0.0	-0.7	49.7	12.64	46.9	12.22	44.1	11.93	42.7	11.40	41.3	10.96	38.5	10.63
	3.0	2.2	49.7	11.81	46.9	11.43	44.1	11.18	42.7	10.69	41.3	10.26	38.5	9.92
	5.0	4.1	49.7	11.25	46.9	10.89	44.1	10.68	42.7	10.21	41.3	9.79	38.5	9.44
	7.0	6.0	49.7	10.70	46.9	10.36	44.1	10.18	42.7	9.74	41.3	9.32	38.5	8.96
	9.0	7.9	49.7	10.28	46.9	9.96	44.1	9.79	42.7	9.36	41.3	8.96	38.5	8.62
11.0	9.8	49.7	9.96	46.9	9.64	44.1	9.48	42.7	9.07	41.3	8.67	38.5	8.34	
13.0	11.8	49.7	9.61	46.9	9.31	44.1	9.15	42.7	8.75	41.3	8.37	38.5	8.05	
15.0	13.7	49.7	9.24	46.9	8.95	44.1	8.80	42.7	8.42	41.3	8.05	38.5	7.74	
90	-24.8	-25	26.8	13.71	26.8	13.99	26.6	14.19	26.6	14.29	26.6	14.47	26.1	14.76
	-21.8	-22	32.6	13.99	32.6	14.28	32.4	14.47	32.4	14.57	32.4	14.76	31.7	14.13
	-19.8	-20	34.4	14.18	34.4	14.46	34.2	14.66	34.2	14.76	34.2	14.33	33.5	13.72
	-18.8	-19	35.3	14.28	35.1	14.56	35.0	14.76	35.0	14.54	35.0	14.12	34.3	13.51
	-16.7	-17	36.8	14.47	36.8	14.76	36.6	14.31	36.6	14.08	36.6	13.67	35.1	13.07
	-13.7	-15	39.4	14.76	39.4	14.09	39.1	13.66	39.1	13.42	37.8	13.04	35.1	12.45
	-11.8	-13	40.7	14.30	40.5	13.66	40.3	13.25	39.1	13.01	37.8	12.63	35.1	12.05
	-9.8	-11	42.1	13.82	42.1	13.22	40.4	12.83	39.1	12.57	37.8	12.21	35.1	11.64
	-9.5	-10	42.3	13.75	42.3	13.15	40.4	12.76	39.1	12.51	37.8	12.14	35.1	11.58
	-8.5	-9.1	43.1	13.51	42.8	12.93	40.4	12.55	39.1	12.29	37.8	11.93	35.1	11.37
	-7.0	-7.6	45.1	13.14	42.9	12.59	40.4	12.22	39.1	11.96	37.8	11.61	35.1	11.06
	-5.0	-5.6	45.6	12.66	42.9	12.15	40.4	11.79	39.1	11.53	37.8	11.19	35.1	10.64
	-3.0	-3.7	45.6	12.18	42.9	11.70	40.4	11.37	39.1	11.09	37.8	10.76	35.1	10.23
	0.0	-0.7	45.6	11.46	42.9	11.03	40.4	10.72	39.1	10.43	37.8	10.13	35.1	9.60
	3.0	2.2	45.6	10.74	42.9	10.37	40.4	10.08	39.1	9.78	37.8	9.49	35.1	8.98
	5.0	4.1	45.6	10.26	42.9	9.92	40.4	9.65	39.1	9.34	37.8	9.07	35.1	8.56
	7.0	6.0	45.6	9.77	42.9	9.47	40.4	9.22	39.1	8.90	37.8	8.64	35.1	8.15
	9.0	7.9	45.6	9.32	42.9	9.03	40.4	8.79	39.1	8.49	37.8	8.24	35.1	7.77
11.0	9.8	45.6	8.86	42.9	8.59	40.4	8.36	39.1	8.08	37.8	7.84	35.1	7.39	
13.0	11.8	45.6	8.41	42.9	8.15	40.4	7.93	39.1	7.66	37.8	7.43	35.1	7.01	
15.0	13.7	45.6	7.95	42.9	7.71	40.4	7.50	39.1	7.25	37.8	7.03	35.1	6.63	
80	-24.8	-25	26.7	12.04	26.7	12.32	26.5	12.52	26.5	12.61	26.5	13.09	26.0	12.54
	-21.8	-22	32.2	12.32	32.2	12.60	32.2	12.80	32.2	13.09	32.2	12.54	31.4	12.01
	-19.8	-20	34.0	12.51	34.0	12.79	34.0	13.09	34.0	12.70	33.7	12.17	31.4	11.66
	-18.8	-19	34.8	12.60	34.8	13.09	34.8	12.89	34.8	12.51	33.7	11.99	31.4	11.48
	-16.7	-17	36.1	13.09	36.1	12.68	36.1	12.48	35.0	12.10	33.7	11.60	31.4	11.11
	-13.7	-15	37.7	12.48	37.0	12.10	36.1	11.89	35.0	11.52	33.7	11.06	31.4	10.58
	-11.8	-13	38.7	12.10	37.5	11.73	36.1	11.52	35.0	11.15	33.7	10.71	31.4	10.25
	-9.8	-11	39.7	11.70	38.1	11.34	36.1	11.13	35.0	10.77	33.7	10.34	31.4	9.90
	-9.5	-10	40.0	11.64	38.3	11.28	36.1	11.07	35.0	10.71	33.7	10.29	31.4	9.85
	-8.5	-9.1	40.4	11.44	38.4	11.09	36.1	10.88	35.0	10.51	33.7	10.11	31.4	9.67
	-7.0	-7.6	40.8	11.14	38.4	10.80	36.1	10.58	35.0	10.22	33.7	9.83	31.4	9.41
	-5.0	-5.6	40.8	10.74	38.4	10.41	36.1	10.19	35.0	9.84	33.7	9.47	31.4	9.05
	-3.0	-3.7	40.8	10.33	38.4	10.02	36.1	9.80	35.0	9.45	33.7	9.10	31.4	8.70
	0.0	-0.7	40.8	9.73	38.4	9.44	36.1	9.21	35.0	8.87	33.7	8.55	31.4	8.17
	3.0	2.2	40.8	9.13	38.4	8.86	36.1	8.63	35.0	8.29	33.7	8.00	31.4	7.65
	5.0	4.1	40.8	8.73	38.4	8.47	36.1	8.24	35.0	7.91	33.7	7.64	31.4	7.29
	7.0	6.0	40.8	8.33	38.4	8.08	36.1	7.85	35.0	7.52	33.7	7.27	31.4	6.94
	9.0	7.9	40.8	7.82	38.4	7.59	36.1	7.37	35.0	7.06	33.7	6.83	31.4	6.52
11.0	9.8	40.8	7.26	38.4	7.04	36.1	6.84	35.0	6.55	33.7	6.34	31.4	6.05	
13.0	11.8	40.8	6.77	38.4	6.58	36.1	6.38	35.0	6.12	33.7	5.92	31.4	5.65	
15.0	13.7	40.8	6.38	38.4	6.19	36.1	6.01	35.0	5.76	33.7	5.57	31.4	5.32	

# 7. Capacity Tables

Heating Capacity (14HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	26.7	12.21	26.7	12.31	26.5	12.50	26.5	12.78	26.5	12.18	26.0	11.62
	-21.8	-22	30.9	12.50	30.9	12.59	30.7	12.78	29.7	12.18	28.8	11.62	26.9	11.07
	-19.8	-20	33.8	12.68	32.7	12.78	30.7	12.36	29.7	11.78	28.8	11.24	26.9	10.71
	-18.8	-19	34.6	12.78	32.7	12.56	30.7	12.15	29.7	11.58	28.8	11.06	26.9	10.53
	-16.7	-17	34.6	12.33	32.7	12.11	30.7	11.71	29.7	11.16	28.8	10.66	26.9	10.15
	-13.7	-15	34.6	11.69	32.7	11.45	30.7	11.08	29.7	10.56	28.8	10.10	26.9	9.61
	-11.8	-13	34.6	11.28	32.7	11.04	30.7	10.68	29.7	10.18	28.8	9.75	26.9	9.26
	-9.8	-11	34.6	10.85	32.7	10.61	30.7	10.26	29.7	9.78	28.8	9.37	26.9	8.90
	-9.5	-10	34.6	10.79	32.7	10.54	30.7	10.19	29.7	9.72	28.8	9.32	26.9	8.84
	-8.5	-9.1	34.6	10.57	32.7	10.32	30.7	9.98	29.7	9.52	28.8	9.13	26.9	8.66
	-7.0	-7.6	34.6	10.25	32.7	10.00	30.7	9.67	29.7	9.22	28.8	8.85	26.9	8.39
	-5.0	-5.6	34.6	9.82	32.7	9.56	30.7	9.25	29.7	8.82	28.8	8.47	26.9	8.03
	-3.0	-3.7	34.6	9.39	32.7	9.13	30.7	8.83	29.7	8.42	28.8	8.10	26.9	7.67
	0.0	-0.7	34.6	8.75	32.7	8.48	30.7	8.20	29.7	7.82	28.8	7.54	26.9	7.12
	3.0	2.2	34.6	8.11	32.7	7.83	30.7	7.57	29.7	7.22	28.8	6.98	26.9	6.58
	5.0	4.1	34.6	7.68	32.7	7.39	30.7	7.15	29.7	6.82	28.8	6.60	26.9	6.22
	7.0	6.0	34.6	7.25	32.7	6.96	30.7	6.73	29.7	6.42	28.8	6.23	26.9	5.85
9.0	7.9	34.6	6.55	32.7	6.28	30.7	6.07	29.7	5.80	28.8	5.62	26.9	5.29	
11.0	9.8	34.6	6.10	32.7	5.85	30.7	5.65	29.7	5.40	28.8	5.24	26.9	4.92	
13.0	11.8	34.6	5.70	32.7	5.47	30.7	5.29	29.7	5.05	28.8	4.90	26.9	4.61	
15.0	13.7	34.6	5.38	32.7	5.16	30.7	4.99	29.7	4.76	28.8	4.62	26.9	4.34	
60	-24.8	-25	26.5	12.02	26.5	12.21	26.3	12.50	25.5	11.86	24.6	11.26	23.0	10.70
	-21.8	-22	28.4	12.31	28.1	12.50	26.3	11.86	25.5	11.26	24.6	10.70	23.0	10.15
	-19.8	-20	29.7	12.50	28.1	12.05	26.3	11.43	25.5	10.86	24.6	10.32	23.0	9.79
	-18.8	-19	29.7	12.27	28.1	11.82	26.3	11.22	25.5	10.66	24.6	10.14	23.0	9.61
	-16.7	-17	29.7	11.79	28.1	11.35	26.3	10.78	25.5	10.24	24.6	9.74	23.0	9.23
	-13.7	-15	29.7	11.12	28.1	10.68	26.3	10.14	25.5	9.65	24.6	9.18	23.0	8.68
	-11.8	-13	29.7	10.69	28.1	10.25	26.3	9.74	25.5	9.27	24.6	8.82	23.0	8.34
	-9.8	-11	29.7	10.23	28.1	9.80	26.3	9.31	25.5	8.87	24.6	8.45	23.0	7.97
	-9.5	-10	29.7	10.17	28.1	9.73	26.3	9.25	25.5	8.81	24.6	8.39	23.0	7.92
	-8.5	-9.1	29.7	9.94	28.1	9.51	26.3	9.03	25.5	8.61	24.6	8.20	23.0	7.74
	-7.0	-7.6	29.7	9.60	28.1	9.17	26.3	8.72	25.5	8.31	24.6	7.92	23.0	7.47
	-5.0	-5.6	29.7	9.15	28.1	8.72	26.3	8.29	25.5	7.91	24.6	7.55	23.0	7.10
	-3.0	-3.7	29.7	8.69	28.1	8.27	26.3	7.87	25.5	7.51	24.6	7.17	23.0	6.74
	0.0	-0.7	29.7	8.02	28.1	7.60	26.3	7.23	25.5	6.91	24.6	6.61	23.0	6.19
	3.0	2.2	29.7	7.34	28.1	6.92	26.3	6.59	25.5	6.32	24.6	6.05	23.0	5.65
	5.0	4.1	29.7	6.88	28.1	6.47	26.3	6.17	25.5	5.92	24.6	5.67	23.0	5.29
	7.0	6.0	29.7	6.43	28.1	6.02	26.3	5.74	25.5	5.52	24.6	5.29	23.0	4.92
9.0	7.9	29.7	5.74	28.1	5.37	26.3	5.12	25.5	4.92	24.6	4.72	23.0	4.39	
11.0	9.8	29.7	5.36	28.1	5.02	26.3	4.78	25.5	4.60	24.6	4.41	23.0	4.10	
13.0	11.8	29.7	5.02	28.1	4.70	26.3	4.48	25.5	4.31	24.6	4.13	23.0	3.84	
15.0	13.7	29.7	4.74	28.1	4.44	26.3	4.24	25.5	4.07	24.6	3.91	23.0	3.63	
50	-24.8	-25	24.8	10.58	23.4	10.86	21.9	10.30	21.2	9.77	20.5	9.26	19.1	8.80
	-21.8	-22	24.8	10.86	23.4	10.30	21.9	9.77	21.2	9.26	20.5	8.80	19.1	8.35
	-19.8	-20	24.8	10.47	23.4	9.92	21.9	9.41	21.2	8.93	20.5	8.48	19.1	8.05
	-18.8	-19	24.8	10.27	23.4	9.73	21.9	9.24	21.2	8.76	20.5	8.33	19.1	7.89
	-16.7	-17	24.8	9.86	23.4	9.33	21.9	8.87	21.2	8.41	20.5	8.00	19.1	7.58
	-13.7	-15	24.8	9.27	23.4	8.77	21.9	8.34	21.2	7.91	20.5	7.53	19.1	7.13
	-11.8	-13	24.8	8.89	23.4	8.41	21.9	8.00	21.2	7.59	20.5	7.24	19.1	6.84
	-9.8	-11	24.8	8.50	23.4	8.03	21.9	7.65	21.2	7.26	20.5	6.93	19.1	6.54
	-9.5	-10	24.8	8.44	23.4	7.97	21.9	7.59	21.2	7.21	20.5	6.88	19.1	6.50
	-8.5	-9.1	24.8	8.24	23.4	7.78	21.9	7.42	21.2	7.04	20.5	6.72	19.1	6.35
	-7.0	-7.6	24.8	7.95	23.4	7.50	21.9	7.15	21.2	6.79	20.5	6.49	19.1	6.12
	-5.0	-5.6	24.8	7.55	23.4	7.12	21.9	6.80	21.2	6.45	20.5	6.18	19.1	5.82
	-3.0	-3.7	24.8	7.16	23.4	6.75	21.9	6.44	21.2	6.12	20.5	5.87	19.1	5.52
	0.0	-0.7	24.8	6.57	23.4	6.18	21.9	5.91	21.2	5.62	20.5	5.40	19.1	5.07
	3.0	2.2	24.8	5.98	23.4	5.61	21.9	5.39	21.2	5.11	20.5	4.93	19.1	4.62
	5.0	4.1	24.8	5.58	23.4	5.23	21.9	5.03	21.2	4.78	20.5	4.62	19.1	4.32
	7.0	6.0	24.8	5.19	23.4	4.86	21.9	4.68	21.2	4.44	20.5	4.31	19.1	4.02
9.0	7.9	24.8	4.68	23.4	4.39	21.9	4.22	21.2	4.01	20.5	3.89	19.1	3.63	
11.0	9.8	24.8	4.38	23.4	4.10	21.9	3.95	21.2	3.76	20.5	3.64	19.1	3.39	
13.0	11.8	24.8	4.12	23.4	3.85	21.9	3.71	21.2	3.53	20.5	3.42	19.1	3.19	
15.0	13.7	24.8	3.89	23.4	3.65	21.9	3.51	21.2	3.34	20.5	3.23	19.1	3.02	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN160BTE5

Heating Capacity (16HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	28.7	14.45	28.7	14.71	28.5	14.95	28.5	15.31	28.5	15.65	28.5	16.18
	-21.8	-22	35.2	14.98	35.2	15.25	35.0	15.49	35.0	15.84	35.0	16.18	35.0	16.72
	-19.8	-20	37.3	15.34	37.3	15.61	37.1	15.84	37.1	16.20	37.1	16.54	37.1	17.08
	-18.8	-19	38.3	15.52	38.3	15.79	38.1	16.02	38.1	16.38	38.1	16.72	38.1	17.26
	-16.7	-17	40.3	15.90	40.3	16.17	40.1	16.40	40.1	16.76	40.1	17.10	40.1	17.64
	-13.7	-15	43.2	16.44	43.2	16.70	42.9	16.94	42.9	17.30	42.9	17.64	42.9	17.04
	-11.8	-13	44.7	16.78	44.7	17.04	44.4	17.28	44.4	17.64	44.4	17.24	44.4	16.66
	-9.8	-11	46.3	17.13	46.3	17.40	46.0	17.64	46.0	17.22	46.0	16.82	46.0	16.26
	-9.5	-10	46.8	17.19	46.8	17.46	46.5	17.57	46.5	17.16	46.2	16.76	46.2	16.20
	-8.5	-9.1	48.7	17.37	48.7	17.64	48.4	17.37	48.4	16.95	47.0	16.55	47.0	16.01
	-7.0	-7.6	51.6	17.64	51.6	17.34	51.2	17.05	51.2	16.64	51.2	16.24	49.4	15.71
	-5.0	-5.6	55.4	17.27	55.4	16.94	55.0	16.64	55.0	16.22	55.0	15.82	51.3	15.31
	-3.0	-3.7	59.2	16.90	59.2	16.55	58.8	16.22	58.8	15.81	58.8	15.41	53.2	14.91
	0.0	-0.7	64.9	16.34	64.9	15.95	64.4	15.60	63.3	15.19	61.1	14.78	56.1	14.32
	3.0	2.2	65.1	15.79	65.1	15.36	64.9	14.98	63.3	14.56	61.1	14.16	56.9	13.72
	5.0	4.1	65.1	15.42	65.1	14.96	64.9	14.56	63.3	14.15	61.1	13.74	56.9	13.32
	7.0	6.0	65.1	15.05	65.1	14.57	64.9	14.15	63.3	13.73	61.1	13.33	56.9	12.93
	9.0	7.9	65.1	14.76	65.1	14.28	64.9	13.87	63.3	13.46	61.1	13.06	56.9	12.67
	11.0	9.8	65.1	14.59	65.1	14.12	64.9	13.71	63.3	13.31	61.1	12.92	56.9	12.53
	13.0	11.8	65.1	14.41	65.1	13.95	64.9	13.54	63.3	13.15	61.1	12.76	56.9	12.38
15.0	13.7	65.1	14.21	65.1	13.76	64.9	13.36	63.3	12.97	61.1	12.58	56.9	12.21	
120	-24.8	-25	28.5	14.71	28.5	14.95	28.3	15.31	28.3	15.65	28.3	16.18	28.3	16.56
	-21.8	-22	35.0	15.25	35.0	15.49	34.8	15.84	34.8	16.18	34.8	16.72	34.8	17.10
	-19.8	-20	37.1	15.61	37.1	15.84	36.8	16.20	36.8	16.54	36.8	17.08	36.8	17.46
	-18.8	-19	38.0	15.79	38.0	16.02	37.8	16.38	37.8	16.72	37.8	17.26	37.8	17.64
	-16.7	-17	40.0	16.17	40.0	16.40	39.8	16.76	39.8	17.10	39.8	17.64	39.8	17.25
	-13.7	-15	42.9	16.70	42.9	16.94	42.6	17.30	42.6	17.64	42.6	17.07	42.6	16.70
	-11.8	-13	44.4	17.04	44.4	17.28	44.1	17.64	44.1	17.24	44.1	16.71	44.1	16.36
	-9.8	-11	45.9	17.40	45.9	17.64	45.6	17.20	45.6	16.82	45.6	16.33	45.6	15.99
	-9.5	-10	46.5	17.46	46.5	17.57	46.2	17.14	46.2	16.75	46.2	16.28	46.2	15.94
	-8.5	-9.1	48.4	17.64	48.4	17.34	48.1	16.92	48.1	16.54	47.6	16.09	47.6	15.75
	-7.0	-7.6	51.2	17.30	51.2	17.00	50.9	16.59	50.9	16.23	49.0	15.80	49.0	15.48
	-5.0	-5.6	55.0	16.86	55.0	16.54	54.6	16.15	54.6	15.81	54.6	15.42	50.9	15.11
	-3.0	-3.7	58.7	16.42	58.7	16.09	58.4	15.72	58.4	15.39	57.5	15.05	52.8	14.75
	0.0	-0.7	64.4	15.75	63.9	15.41	61.4	15.07	59.4	14.75	57.5	14.48	53.4	14.20
	3.0	2.2	64.6	15.08	63.9	14.72	61.4	14.41	59.4	14.12	57.5	13.91	53.4	13.65
	5.0	4.1	64.6	14.64	63.9	14.27	61.4	13.98	59.4	13.70	57.5	13.53	53.4	13.29
	7.0	6.0	64.6	14.20	63.9	13.81	61.4	13.54	59.4	13.28	57.5	13.16	53.4	12.92
	9.0	7.9	64.6	13.88	63.9	13.50	61.4	13.24	59.4	12.98	57.5	12.86	53.4	12.63
	11.0	9.8	64.6	13.68	63.9	13.31	61.4	13.05	59.4	12.80	57.5	12.68	53.4	12.45
	13.0	11.8	64.6	13.47	63.9	13.10	61.4	12.85	59.4	12.60	57.5	12.48	53.4	12.26
15.0	13.7	64.6	13.24	63.9	12.88	61.4	12.62	59.4	12.38	57.5	12.27	53.4	12.05	
110	-24.8	-25	28.3	14.95	28.3	15.31	28.2	15.65	28.2	16.18	28.2	16.56	28.2	16.74
	-21.8	-22	34.8	15.49	34.8	15.84	34.6	16.18	34.6	16.72	34.6	17.10	34.6	17.28
	-19.8	-20	36.9	15.84	36.9	16.20	36.6	16.54	36.6	17.08	36.6	17.46	36.6	17.64
	-18.8	-19	37.8	16.02	37.8	16.38	37.6	16.72	37.6	17.26	37.6	17.64	37.6	17.43
	-16.7	-17	39.8	16.40	39.8	16.76	39.6	17.10	39.6	17.64	39.6	17.21	39.6	16.99
	-13.7	-15	42.7	16.94	42.7	17.30	42.4	17.64	42.4	17.00	42.4	16.61	42.4	16.37
	-11.8	-13	44.1	17.28	44.1	17.64	43.9	17.19	43.9	16.60	43.9	16.23	43.9	15.98
	-9.8	-11	45.7	17.64	45.7	17.13	45.4	16.72	45.4	16.18	45.4	15.83	45.4	15.56
	-9.5	-10	46.2	17.56	46.2	17.06	46.0	16.65	46.0	16.11	46.0	15.77	46.0	15.50
	-8.5	-9.1	48.1	17.29	48.1	16.81	47.8	16.42	47.8	15.90	47.5	15.57	47.5	15.29
	-7.0	-7.6	50.9	16.88	50.9	16.43	50.6	16.06	50.6	15.58	49.1	15.27	48.1	14.98
	-5.0	-5.6	54.7	16.35	54.7	15.93	54.3	15.59	53.3	15.16	50.6	14.87	48.1	14.57
	-3.0	-3.7	58.4	15.81	58.4	15.43	55.1	15.13	53.3	14.74	51.5	14.47	48.1	14.15
	0.0	-0.7	62.1	15.00	58.7	14.68	55.1	14.42	53.3	14.10	51.5	13.87	48.1	13.53
	3.0	2.2	62.1	14.20	58.7	13.93	55.1	13.72	53.3	13.47	51.5	13.26	48.1	12.91
	5.0	4.1	62.1	13.66	58.7	13.43	55.1	13.25	53.3	13.05	51.5	12.86	48.1	12.49
	7.0	6.0	62.1	13.12	58.7	12.92	55.1	12.78	53.3	12.62	51.5	12.46	48.1	12.08
	9.0	7.9	62.1	12.77	58.7	12.57	55.1	12.43	53.3	12.28	51.5	12.12	48.1	11.75
	11.0	9.8	62.1	12.52	58.7	12.33	55.1	12.20	53.3	12.05	51.5	11.89	48.1	11.53
	13.0	11.8	62.1	12.26	58.7	12.08	55.1	11.94	53.3	11.79	51.5	11.64	48.1	11.28
15.0	13.7	62.1	11.98	58.7	11.80	55.1	11.67	53.3	11.52	51.5	11.38	48.1	11.02	

# 7. Capacity Tables

Heating Capacity (16HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	28.2	16.48	28.2	16.63	28.0	16.21	28.0	17.01	28.0	17.17	28.0	17.25
	-21.8	-22	34.6	16.71	34.6	16.86	34.4	16.72	34.4	17.24	34.4	17.62	34.4	17.48
	-19.8	-20	36.7	16.86	36.7	17.02	36.5	17.06	36.5	17.40	36.5	17.63	36.5	17.64
	-18.8	-19	37.7	16.94	37.4	17.09	37.4	17.24	37.4	17.47	37.4	17.64	37.4	17.38
	-16.7	-17	39.4	17.10	39.4	17.26	39.4	17.62	39.2	17.64	39.2	17.10	39.2	16.83
	-13.7	-15	42.5	17.33	42.5	17.49	42.2	17.64	42.2	16.87	42.2	16.34	42.2	16.04
	-11.8	-13	43.9	17.48	43.7	17.64	43.7	17.13	43.7	16.38	43.7	15.85	43.7	15.55
	-9.8	-11	45.4	17.64	45.4	17.07	45.2	16.59	45.2	15.87	45.2	15.34	43.9	15.03
	-9.5	-10	46.0	17.55	46.0	16.98	45.8	16.51	45.8	15.79	45.8	15.27	43.9	14.95
	-8.5	-9.1	47.8	17.25	47.8	16.70	47.6	16.24	48.8	15.54	47.2	15.01	43.9	14.69
	-7.0	-7.6	51.5	16.81	51.3	16.27	50.4	15.84	48.8	15.15	47.2	14.63	43.9	14.30
	-5.0	-5.6	53.8	16.23	53.2	15.71	50.4	15.31	48.8	14.64	47.2	14.12	43.9	13.77
	-3.0	-3.7	55.3	15.64	53.6	15.14	50.4	14.77	48.8	14.13	47.2	13.61	43.9	13.25
	0.0	-0.7	56.9	14.76	53.6	14.29	50.4	13.97	48.8	13.36	47.2	12.85	43.9	12.47
	3.0	2.2	56.9	13.88	53.6	13.44	50.4	13.16	48.8	12.59	47.2	12.09	43.9	11.69
	5.0	4.1	56.9	13.29	53.6	12.87	50.4	12.63	48.8	12.08	47.2	11.58	43.9	11.17
	7.0	6.0	56.9	12.70	53.6	12.30	50.4	12.09	48.8	11.57	47.2	11.07	43.9	10.64
	9.0	7.9	56.9	12.24	53.6	11.85	50.4	11.65	48.8	11.14	47.2	10.66	43.9	10.26
	11.0	9.8	56.9	11.88	53.6	11.51	50.4	11.31	48.8	10.82	47.2	10.35	43.9	9.95
	13.0	11.8	56.9	11.50	53.6	11.14	50.4	10.94	48.8	10.47	47.2	10.02	43.9	9.63
15.0	13.7	56.9	11.09	53.6	10.74	50.4	10.55	48.8	10.10	47.2	9.66	43.9	9.29	
90	-24.8	-25	28.1	14.71	28.1	15.25	27.9	15.63	27.9	15.81	27.9	16.17	27.9	16.70
	-21.8	-22	34.5	15.25	34.5	15.79	34.3	16.17	34.3	16.34	34.3	16.70	34.3	16.04
	-19.8	-20	36.6	15.61	36.6	16.15	36.3	16.52	36.3	16.70	36.3	16.26	36.3	15.60
	-18.8	-19	37.7	15.79	37.4	16.33	37.3	16.70	37.3	16.47	37.3	16.03	37.3	15.38
	-16.7	-17	39.4	16.17	39.4	16.70	39.2	16.23	39.2	15.99	39.2	15.56	39.2	14.91
	-13.7	-15	42.5	16.70	42.5	16.01	42.1	15.57	42.1	15.31	42.1	14.89	40.2	14.25
	-11.8	-13	43.9	16.24	43.7	15.58	43.5	15.14	43.5	14.87	43.2	14.47	40.2	13.83
	-9.8	-11	45.4	15.74	45.4	15.12	45.0	14.70	44.7	14.42	43.2	14.02	40.2	13.39
	-9.5	-10	46.0	15.67	46.0	15.05	45.6	14.63	44.7	14.35	43.2	13.95	40.2	13.32
	-8.5	-9.1	47.8	15.42	47.5	14.82	46.1	14.41	44.7	14.12	43.2	13.73	40.2	13.10
	-7.0	-7.6	51.5	15.05	49.0	14.47	46.1	14.07	44.7	13.78	43.2	13.39	40.2	12.77
	-5.0	-5.6	52.1	14.56	49.0	14.01	46.1	13.63	44.7	13.32	43.2	12.95	40.2	12.33
	-3.0	-3.7	52.1	14.07	49.0	13.55	46.1	13.18	44.7	12.86	43.2	12.50	40.2	11.89
	0.0	-0.7	52.1	13.33	49.0	12.86	46.1	12.51	44.7	12.18	43.2	11.83	40.2	11.22
	3.0	2.2	52.1	12.59	49.0	12.17	46.1	11.84	44.7	11.49	43.2	11.16	40.2	10.56
	5.0	4.1	52.1	12.10	49.0	11.71	46.1	11.40	44.7	11.03	43.2	10.71	40.2	10.12
	7.0	6.0	52.1	11.61	49.0	11.25	46.1	10.95	44.7	10.58	43.2	10.26	40.2	9.68
	9.0	7.9	52.1	11.14	49.0	10.79	46.1	10.50	44.7	10.14	43.2	9.84	40.2	9.28
	11.0	9.8	52.1	10.66	49.0	10.33	46.1	10.06	44.7	9.71	43.2	9.43	40.2	8.89
	13.0	11.8	52.1	10.19	49.0	9.88	46.1	9.61	44.7	9.28	43.2	9.01	40.2	8.49
15.0	13.7	52.1	9.72	49.0	9.42	46.1	9.16	44.7	8.85	43.2	8.59	40.2	8.10	
80	-24.8	-25	28.0	12.82	28.0	13.36	27.8	13.74	27.8	13.91	27.8	14.81	27.8	14.23
	-21.8	-22	34.1	13.36	34.1	13.90	34.1	14.27	34.1	14.81	34.1	14.23	34.1	13.66
	-19.8	-20	36.2	13.72	36.2	14.26	36.2	14.81	36.2	14.40	36.2	13.84	35.9	13.29
	-18.8	-19	37.1	13.90	37.1	14.81	37.1	14.61	37.1	14.20	37.1	13.65	35.9	13.10
	-16.7	-17	39.2	14.81	39.2	14.39	39.2	14.18	39.2	13.77	38.6	13.24	35.9	12.70
	-13.7	-15	43.1	14.19	42.3	13.78	41.3	13.56	40.0	13.16	38.6	12.66	35.9	12.14
	-11.8	-13	44.2	13.79	42.9	13.40	41.3	13.17	40.0	12.77	38.6	12.29	35.9	11.78
	-9.8	-11	45.0	13.38	43.3	12.99	41.3	12.76	40.0	12.36	38.6	11.90	35.9	11.41
	-9.5	-10	45.3	13.32	43.6	12.93	41.3	12.70	40.0	12.30	38.6	11.84	35.9	11.35
	-8.5	-9.1	45.9	13.11	43.9	12.73	41.3	12.49	40.0	12.09	38.6	11.65	35.9	11.16
	-7.0	-7.6	46.6	12.80	43.9	12.43	41.3	12.19	40.0	11.79	38.6	11.35	35.9	10.88
	-5.0	-5.6	46.6	12.38	43.9	12.02	41.3	11.78	40.0	11.38	38.6	10.97	35.9	10.50
	-3.0	-3.7	46.6	11.97	43.9	11.62	41.3	11.37	40.0	10.97	38.6	10.58	35.9	10.13
	0.0	-0.7	46.6	11.34	43.9	11.01	41.3	10.75	40.0	10.36	38.6	10.00	35.9	9.56
	3.0	2.2	46.6	10.72	43.9	10.41	41.3	10.14	40.0	9.75	38.6	9.41	35.9	9.00
	5.0	4.1	46.6	10.30	43.9	10.00	41.3	9.73	40.0	9.34	38.6	9.02	35.9	8.62
	7.0	6.0	46.6	9.89	43.9	9.60	41.3	9.32	40.0	8.93	38.6	8.64	35.9	8.25
	9.0	7.9	46.6	9.28	43.9	9.01	41.3	8.75	40.0	8.38	38.6	8.11	35.9	7.74
	11.0	9.8	46.6	8.62	43.9	8.37	41.3	8.12	40.0	7.78	38.6	7.53	35.9	7.19
	13.0	11.8	46.6	8.04	43.9	7.81	41.3	7.58	40.0	7.26	38.6	7.03	35.9	6.71
15.0	13.7	46.6	7.57	43.9	7.35	41.3	7.13	40.0	6.84	38.6	6.61	35.9	6.31	

# 7. Capacity Tables

Heating Capacity (16HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	28.0	13.20	28.0	13.38	27.8	13.74	27.8	14.27	27.8	13.65	27.8	13.06
	-21.8	-22	34.1	13.74	34.4	13.91	34.1	14.27	33.9	13.65	32.9	13.06	30.7	12.48
	-19.8	-20	36.2	14.09	36.2	14.27	35.1	13.84	33.9	13.23	32.9	12.66	30.7	12.10
	-18.8	-19	37.1	14.27	37.1	14.05	35.1	13.62	33.9	13.02	32.9	12.47	30.7	11.90
	-16.7	-17	39.2	13.81	37.3	13.58	35.1	13.16	33.9	12.58	32.9	12.05	30.7	11.50
	-13.7	-15	39.5	13.15	37.3	12.91	35.1	12.51	33.9	11.95	32.9	11.46	30.7	10.93
	-11.8	-13	39.5	12.74	37.3	12.48	35.1	12.09	33.9	11.56	32.9	11.09	30.7	10.56
	-9.8	-11	39.5	12.30	37.3	12.03	35.1	11.65	33.9	11.14	32.9	10.70	30.7	10.18
	-9.5	-10	39.5	12.23	37.3	11.96	35.1	11.59	33.9	11.07	32.9	10.64	30.7	10.12
	-8.5	-9.1	39.5	12.01	37.3	11.74	35.1	11.37	33.9	10.87	32.9	10.44	30.7	9.93
	-7.0	-7.6	39.5	11.68	37.3	11.40	35.1	11.04	33.9	10.55	32.9	10.15	30.7	9.64
	-5.0	-5.6	39.5	11.24	37.3	10.95	35.1	10.61	33.9	10.13	32.9	9.75	30.7	9.26
	-3.0	-3.7	39.5	10.80	37.3	10.51	35.1	10.17	33.9	9.72	32.9	9.36	30.7	8.87
	0.0	-0.7	39.5	10.15	37.3	9.83	35.1	9.52	33.9	9.09	32.9	8.77	30.7	8.30
	3.0	2.2	39.5	9.49	37.3	9.16	35.1	8.86	33.9	8.46	32.9	8.18	30.7	7.72
	5.0	4.1	39.5	9.05	37.3	8.71	35.1	8.42	33.9	8.04	32.9	7.79	30.7	7.34
	7.0	6.0	39.5	8.61	37.3	8.26	35.1	7.99	33.9	7.63	32.9	7.40	30.7	6.95
	9.0	7.9	39.5	7.77	37.3	7.46	35.1	7.21	33.9	6.89	32.9	6.68	30.7	6.28
	11.0	9.8	39.5	7.24	37.3	6.95	35.1	6.72	33.9	6.41	32.9	6.22	30.7	5.85
	13.0	11.8	39.5	6.77	37.3	6.50	35.1	6.28	33.9	6.00	32.9	5.82	30.7	5.47
15.0	13.7	39.5	6.39	37.3	6.13	35.1	5.92	33.9	5.66	32.9	5.48	30.7	5.16	
60	-24.8	-25	28.0	12.84	28.0	13.20	27.8	13.74	27.8	13.08	27.8	12.47	26.3	11.88
	-21.8	-22	31.5	13.38	32.1	13.74	30.1	13.08	29.1	12.47	28.1	11.88	26.3	11.31
	-19.8	-20	33.9	13.74	32.1	13.28	30.1	12.65	29.1	12.06	28.1	11.50	26.3	10.94
	-18.8	-19	33.9	13.51	32.1	13.05	30.1	12.43	29.1	11.85	28.1	11.30	26.3	10.75
	-16.7	-17	33.9	13.03	32.1	12.57	30.1	11.97	29.1	11.42	28.1	10.89	26.3	10.35
	-13.7	-15	33.9	12.35	32.1	11.88	30.1	11.32	29.1	10.80	28.1	10.31	26.3	9.78
	-11.8	-13	33.9	11.92	32.1	11.45	30.1	10.91	29.1	10.41	28.1	9.94	26.3	9.42
	-9.8	-11	33.9	11.46	32.1	10.99	30.1	10.47	29.1	10.00	28.1	9.55	26.3	9.04
	-9.5	-10	33.9	11.39	32.1	10.92	30.1	10.41	29.1	9.94	28.1	9.49	26.3	8.98
	-8.5	-9.1	33.9	11.16	32.1	10.70	30.1	10.19	29.1	9.74	28.1	9.30	26.3	8.79
	-7.0	-7.6	33.9	10.82	32.1	10.35	30.1	9.86	29.1	9.43	28.1	9.01	26.3	8.51
	-5.0	-5.6	33.9	10.37	32.1	9.90	30.1	9.43	29.1	9.02	28.1	8.62	26.3	8.13
	-3.0	-3.7	33.9	9.91	32.1	9.44	30.1	9.00	29.1	8.61	28.1	8.23	26.3	7.75
	0.0	-0.7	33.9	9.23	32.1	8.75	30.1	8.34	29.1	7.99	28.1	7.65	26.3	7.18
	3.0	2.2	33.9	8.55	32.1	8.07	30.1	7.69	29.1	7.38	28.1	7.07	26.3	6.61
	5.0	4.1	33.9	8.09	32.1	7.61	30.1	7.26	29.1	6.97	28.1	6.68	26.3	6.23
	7.0	6.0	33.9	7.64	32.1	7.15	30.1	6.82	29.1	6.55	28.1	6.29	26.3	5.85
	9.0	7.9	33.9	6.81	32.1	6.38	30.1	6.09	29.1	5.85	28.1	5.61	26.3	5.22
	11.0	9.8	33.9	6.36	32.1	5.96	30.1	5.68	29.1	5.46	28.1	5.24	26.3	4.87
	13.0	11.8	33.9	5.96	32.1	5.58	30.1	5.32	29.1	5.12	28.1	4.91	26.3	4.56
15.0	13.7	33.9	5.63	32.1	5.28	30.1	5.03	29.1	4.83	28.1	4.64	26.3	4.31	
50	-24.8	-25	28.3	11.76	26.7	12.30	25.1	11.68	24.3	11.10	23.5	10.55	21.9	10.04
	-21.8	-22	28.3	12.30	26.7	11.68	25.1	11.10	24.3	10.55	23.5	10.04	21.9	9.54
	-19.8	-20	28.3	11.87	26.7	11.27	25.1	10.72	24.3	10.19	23.5	9.70	21.9	9.21
	-18.8	-19	28.3	11.66	26.7	11.06	25.1	10.52	24.3	10.00	23.5	9.53	21.9	9.05
	-16.7	-17	28.3	11.21	26.7	10.63	25.1	10.12	24.3	9.62	23.5	9.17	21.9	8.70
	-13.7	-15	28.3	10.57	26.7	10.02	25.1	9.54	24.3	9.07	23.5	8.65	21.9	8.20
	-11.8	-13	28.3	10.17	26.7	9.63	25.1	9.18	24.3	8.72	23.5	8.33	21.9	7.89
	-9.8	-11	28.3	9.74	26.7	9.22	25.1	8.79	24.3	8.36	23.5	7.99	21.9	7.55
	-9.5	-10	28.3	9.68	26.7	9.16	25.1	8.73	24.3	8.30	23.5	7.94	21.9	7.51
	-8.5	-9.1	28.3	9.46	26.7	8.95	25.1	8.54	24.3	8.12	23.5	7.77	21.9	7.34
	-7.0	-7.6	28.3	9.14	26.7	8.64	25.1	8.25	24.3	7.84	23.5	7.51	21.9	7.09
	-5.0	-5.6	28.3	8.72	26.7	8.23	25.1	7.87	24.3	7.48	23.5	7.17	21.9	6.76
	-3.0	-3.7	28.3	8.29	26.7	7.82	25.1	7.48	24.3	7.11	23.5	6.82	21.9	6.43
	0.0	-0.7	28.3	7.65	26.7	7.21	25.1	6.90	24.3	6.56	23.5	6.31	21.9	5.93
	3.0	2.2	28.3	7.01	26.7	6.59	25.1	6.33	24.3	6.01	23.5	5.80	21.9	5.43
	5.0	4.1	28.3	6.59	26.7	6.18	25.1	5.94	24.3	5.64	23.5	5.46	21.9	5.10
	7.0	6.0	28.3	6.16	26.7	5.77	25.1	5.56	24.3	5.28	23.5	5.11	21.9	4.77
	9.0	7.9	28.3	5.56	26.7	5.21	25.1	5.02	24.3	4.77	23.5	4.62	21.9	4.31
	11.0	9.8	28.3	5.21	26.7	4.87	25.1	4.69	24.3	4.46	23.5	4.32	21.9	4.03
	13.0	11.8	28.3	4.89	26.7	4.58	25.1	4.41	24.3	4.19	23.5	4.06	21.9	3.79
15.0	13.7	28.3	4.62	26.7	4.33	25.1	4.17	24.3	3.96	23.5	3.84	21.9	3.58	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN180BTE5

Heating Capacity (18HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	37.3	18.63	37.3	18.76	37.0	18.86	37.0	19.02	37.0	19.18	36.3	19.42
	-21.8	-22	44.2	18.88	44.2	19.00	43.9	19.10	43.9	19.26	43.9	19.42	43.1	19.66
	-19.8	-20	46.1	19.04	46.1	19.16	45.8	19.26	45.8	19.43	45.8	19.58	44.9	19.82
	-18.8	-19	47.0	19.12	47.0	19.24	46.7	19.35	46.7	19.51	46.7	19.66	45.8	19.90
	-16.7	-17	48.9	19.29	48.9	19.41	48.5	19.52	48.5	19.68	48.5	19.83	47.6	20.07
	-13.7	-15	51.6	19.53	51.6	19.65	51.2	19.76	51.2	19.92	51.2	20.07	50.3	19.24
	-11.8	-13	53.2	19.69	53.2	19.81	52.9	19.91	52.9	20.07	52.9	19.51	51.9	18.71
	-9.8	-11	55.0	19.85	55.0	19.97	54.7	20.07	54.7	19.46	54.7	18.91	53.7	18.16
	-9.5	-10	55.3	19.87	55.3	19.99	55.0	19.98	55.0	19.37	54.9	18.82	54.0	18.08
	-8.5	-9.1	56.4	19.95	56.4	20.07	56.1	19.66	56.1	19.07	55.8	18.53	54.8	17.80
	-7.0	-7.6	58.0	20.07	58.0	19.60	57.7	19.19	57.7	18.61	57.7	18.08	56.2	17.38
	-5.0	-5.6	60.2	19.45	60.2	18.98	59.8	18.56	59.8	18.00	59.8	17.49	57.9	16.83
	-3.0	-3.7	62.3	18.83	62.3	18.35	61.9	17.93	61.9	17.39	61.9	16.89	59.7	16.28
	0.0	-0.7	65.5	17.90	65.5	17.41	65.1	16.98	65.1	16.48	65.1	16.00	62.3	15.44
	3.0	2.2	68.8	16.97	68.8	16.47	68.3	16.04	68.3	15.57	68.3	15.11	64.0	14.61
	5.0	4.1	70.9	16.35	70.9	15.85	70.5	15.41	70.5	14.96	68.8	14.51	64.0	14.06
	7.0	6.0	73.1	15.73	73.1	15.22	72.6	14.78	71.2	14.35	68.8	13.92	64.0	13.50
	9.0	7.9	73.3	15.21	73.3	14.72	73.1	14.29	71.2	13.87	68.8	13.46	64.0	13.06
11.0	9.8	73.3	14.82	73.3	14.34	73.1	13.92	71.2	13.52	68.8	13.11	64.0	12.72	
13.0	11.8	73.3	14.40	73.3	13.93	73.1	13.53	71.2	13.14	68.8	12.75	64.0	12.36	
15.0	13.7	73.3	13.96	73.3	13.51	73.1	13.11	71.2	12.73	68.8	12.35	64.0	11.98	
120	-24.8	-25	37.0	18.76	37.0	18.86	36.8	19.02	36.8	19.18	36.8	19.42	36.1	19.59
	-21.8	-22	43.9	19.00	43.9	19.10	43.6	19.26	43.6	19.42	43.6	19.66	42.8	19.83
	-19.8	-20	45.7	19.16	45.7	19.26	45.4	19.43	45.4	19.58	45.4	19.82	44.6	19.99
	-18.8	-19	46.6	19.24	46.6	19.35	46.3	19.51	46.3	19.66	46.3	19.90	45.5	20.07
	-16.7	-17	48.5	19.41	48.5	19.52	48.2	19.68	48.2	19.83	48.2	20.07	47.3	19.54
	-13.7	-15	51.2	19.65	51.2	19.76	50.9	19.92	50.9	20.07	50.9	19.27	49.9	18.77
	-11.8	-13	52.9	19.81	52.9	19.91	52.5	20.07	52.5	19.50	52.5	18.76	51.6	18.29
	-9.8	-11	54.6	19.97	54.6	20.07	54.3	19.44	54.3	18.91	54.3	18.23	53.3	17.78
	-9.5	-10	54.9	19.99	54.9	19.97	54.6	19.35	54.6	18.82	54.6	18.15	53.6	17.70
	-8.5	-9.1	56.0	20.07	56.0	19.64	55.7	19.03	55.7	18.52	55.5	17.88	54.5	17.45
	-7.0	-7.6	57.6	19.57	57.6	19.13	57.2	18.56	57.2	18.07	56.8	17.48	55.8	17.07
	-5.0	-5.6	59.7	18.89	59.7	18.46	59.4	17.93	59.4	17.47	59.4	16.95	57.5	16.56
	-3.0	-3.7	61.9	18.21	61.9	17.79	61.5	17.30	61.5	16.87	61.5	16.41	59.3	16.05
	0.0	-0.7	65.1	17.20	65.1	16.78	64.7	16.35	64.7	15.97	64.7	15.61	60.1	15.28
	3.0	2.2	68.3	16.18	68.3	15.77	67.8	15.41	66.8	15.07	64.7	14.81	60.1	14.52
	5.0	4.1	70.4	15.51	70.4	15.10	69.1	14.78	66.8	14.47	64.7	14.28	60.1	14.01
	7.0	6.0	72.5	14.83	71.9	14.43	69.1	14.15	66.8	13.88	64.7	13.74	60.1	13.50
	9.0	7.9	72.7	14.31	71.9	13.92	69.1	13.65	66.8	13.39	64.7	13.26	60.1	13.03
11.0	9.8	72.7	13.91	71.9	13.54	69.1	13.27	66.8	13.02	64.7	12.89	60.1	12.66	
13.0	11.8	72.7	13.49	71.9	13.12	69.1	12.87	66.8	12.62	64.7	12.50	60.1	12.28	
15.0	13.7	72.7	13.04	71.9	12.69	69.1	12.44	66.8	12.20	64.7	12.08	60.1	11.87	
110	-24.8	-25	36.8	18.86	36.8	19.02	36.6	19.18	36.6	19.42	36.6	19.59	35.9	19.67
	-21.8	-22	43.7	19.10	43.7	19.26	43.4	19.42	43.4	19.66	43.4	19.83	42.6	19.91
	-19.8	-20	45.5	19.26	45.5	19.43	45.2	19.58	45.2	19.82	45.2	19.99	44.3	20.07
	-18.8	-19	46.4	19.35	46.4	19.51	46.1	19.66	46.1	19.90	46.1	20.07	45.2	19.80
	-16.7	-17	48.2	19.52	48.2	19.68	47.9	19.83	47.9	20.07	47.9	19.50	47.0	19.21
	-13.7	-15	50.9	19.76	50.9	19.92	50.6	20.07	50.6	19.20	50.6	18.68	50.6	18.38
	-11.8	-13	52.6	19.91	52.6	20.07	52.2	19.46	52.2	18.65	52.2	18.16	52.2	17.85
	-9.8	-11	54.3	20.07	54.3	19.37	54.0	18.81	54.0	18.07	54.0	17.61	53.3	17.29
	-9.5	-10	54.6	19.96	54.6	19.27	54.3	18.71	54.3	17.98	54.3	17.53	54.1	17.21
	-8.5	-9.1	55.7	19.58	55.7	18.92	55.4	18.38	55.4	17.69	55.4	17.26	54.1	16.93
	-7.0	-7.6	57.3	19.01	57.3	18.40	56.9	17.90	56.9	17.26	56.9	16.85	54.1	16.51
	-5.0	-5.6	59.4	18.25	59.4	17.70	59.0	17.25	59.0	16.67	57.9	16.30	54.1	15.96
	-3.0	-3.7	61.5	17.50	61.5	17.00	61.2	16.60	60.0	16.09	57.9	15.75	54.1	15.40
	0.0	-0.7	64.7	16.36	64.7	15.95	62.0	15.62	60.0	15.22	57.9	14.93	54.1	14.56
	3.0	2.2	67.9	15.22	66.1	14.90	62.0	14.65	60.0	14.35	57.9	14.11	54.1	13.73
	5.0	4.1	69.9	14.47	66.1	14.20	62.0	14.00	60.0	13.77	57.9	13.57	54.1	13.17
	7.0	6.0	69.9	13.71	66.1	13.50	62.0	13.35	60.0	13.19	57.9	13.02	54.1	12.62
	9.0	7.9	69.9	13.17	66.1	12.97	62.0	12.83	60.0	12.67	57.9	12.51	54.1	12.12
11.0	9.8	69.9	12.74	66.1	12.55	62.0	12.41	60.0	12.26	57.9	12.10	54.1	11.73	
13.0	11.8	69.9	12.29	66.1	12.11	62.0	11.97	60.0	11.83	57.9	11.67	54.1	11.31	
15.0	13.7	69.9	11.81	66.1	11.63	62.0	11.50	60.0	11.36	57.9	11.22	54.1	10.87	

# 7. Capacity Tables

Heating Capacity (18HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	36.6	19.60	36.6	19.66	36.4	18.86	36.4	19.82	36.4	19.88	35.7	19.92
	-21.8	-22	43.5	19.69	43.5	19.76	43.2	19.46	43.2	19.91	43.2	20.08	42.4	20.01
	-19.8	-20	45.3	19.76	45.3	19.82	45.0	19.83	45.0	19.98	45.0	20.08	44.2	20.07
	-18.8	-19	46.2	19.79	45.9	19.85	45.9	19.91	45.9	20.01	45.9	20.07	45.0	19.74
	-16.7	-17	47.7	19.85	47.7	19.92	47.7	20.08	47.5	20.07	47.5	19.38	46.6	19.04
	-13.7	-15	50.7	19.95	50.7	20.01	50.4	20.07	50.4	19.06	50.4	18.39	49.4	18.04
	-11.8	-13	52.3	20.01	52.0	20.07	52.0	19.39	52.0	18.42	52.0	17.76	49.4	17.40
	-9.8	-11	54.0	20.07	54.0	19.31	53.8	18.67	53.8	17.75	53.1	17.10	49.4	16.73
	-9.5	-10	54.3	19.95	54.3	19.19	54.1	18.56	54.1	17.65	53.1	17.00	49.4	16.63
	-8.5	-9.1	55.4	19.55	55.4	18.81	55.1	18.20	54.9	17.31	53.1	16.67	49.4	16.30
	-7.0	-7.6	57.9	18.94	57.7	18.23	56.7	17.66	54.9	16.80	53.1	16.18	49.4	15.80
	-5.0	-5.6	60.5	18.13	59.9	17.46	56.7	16.95	54.9	16.13	53.1	15.52	49.4	15.13
	-3.0	-3.7	62.2	17.32	60.3	16.69	56.7	16.23	54.9	15.45	53.1	14.86	49.4	14.46
	0.0	-0.7	64.0	16.10	60.3	15.54	56.7	15.15	54.9	14.44	53.1	13.87	49.4	13.46
	3.0	2.2	64.0	14.89	60.3	14.39	56.7	14.07	54.9	13.43	53.1	12.88	49.4	12.46
	5.0	4.1	64.0	14.08	60.3	13.62	56.7	13.35	54.9	12.76	53.1	12.22	49.4	11.79
	7.0	6.0	64.0	13.27	60.3	12.85	56.7	12.63	54.9	12.08	53.1	11.56	49.4	11.12
9.0	7.9	64.0	12.53	60.3	12.13	56.7	11.92	54.9	11.40	53.1	10.91	49.4	10.49	
11.0	9.8	64.0	11.88	60.3	11.51	56.7	11.31	54.9	10.82	53.1	10.35	49.4	9.95	
13.0	11.8	64.0	11.20	60.3	10.85	56.7	10.66	54.9	10.20	53.1	9.75	49.4	9.38	
15.0	13.7	64.0	10.48	60.3	10.15	56.7	9.98	54.9	9.54	53.1	9.13	49.4	8.78	
90	-24.8	-25	36.5	18.14	36.5	18.38	36.3	18.55	36.3	18.63	36.3	18.80	35.6	19.04
	-21.8	-22	43.3	18.38	43.3	18.63	43.0	18.80	43.0	18.88	43.0	19.04	42.2	18.20
	-19.8	-20	45.1	18.55	45.1	18.79	44.8	18.96	44.8	19.04	44.8	18.46	44.0	17.63
	-18.8	-19	46.2	18.63	45.9	18.87	45.7	19.04	45.7	18.74	45.7	18.17	44.8	17.35
	-16.7	-17	47.7	18.80	47.7	19.04	47.5	18.42	47.5	18.11	47.5	17.57	45.2	16.76
	-13.7	-15	50.7	19.04	50.7	18.12	50.2	17.54	50.2	17.22	48.7	16.70	45.2	15.92
	-11.8	-13	52.3	18.40	52.0	17.53	51.8	16.98	50.3	16.65	48.7	16.15	45.2	15.39
	-9.8	-11	54.0	17.74	54.0	16.92	51.9	16.39	50.3	16.06	48.7	15.57	45.2	14.83
	-9.5	-10	54.3	17.64	54.3	16.83	51.9	16.30	50.3	15.97	48.7	15.49	45.2	14.74
	-8.5	-9.1	55.4	17.30	55.0	16.52	51.9	16.00	50.3	15.67	48.7	15.20	45.2	14.46
	-7.0	-7.6	57.9	16.80	55.1	16.06	51.9	15.56	50.3	15.22	48.7	14.76	45.2	14.04
	-5.0	-5.6	58.6	16.13	55.1	15.44	51.9	14.97	50.3	14.63	48.7	14.19	45.2	13.48
	-3.0	-3.7	58.6	15.47	55.1	14.83	51.9	14.38	50.3	14.03	48.7	13.61	45.2	12.92
	0.0	-0.7	58.6	14.46	55.1	13.91	51.9	13.50	50.3	13.14	48.7	12.74	45.2	12.07
	3.0	2.2	58.6	13.46	55.1	12.98	51.9	12.62	50.3	12.24	48.7	11.88	45.2	11.23
	5.0	4.1	58.6	12.80	55.1	12.37	51.9	12.03	50.3	11.64	48.7	11.30	45.2	10.67
	7.0	6.0	58.6	12.13	55.1	11.75	51.9	11.44	50.3	11.05	48.7	10.72	45.2	10.11
9.0	7.9	58.6	11.50	55.1	11.15	51.9	10.85	50.3	10.48	48.7	10.17	45.2	9.59	
11.0	9.8	58.6	10.88	55.1	10.54	51.9	10.26	50.3	9.91	48.7	9.62	45.2	9.07	
13.0	11.8	58.6	10.25	55.1	9.94	51.9	9.67	50.3	9.34	48.7	9.06	45.2	8.55	
15.0	13.7	58.6	9.63	55.1	9.33	51.9	9.08	50.3	8.77	48.7	8.51	45.2	8.03	
80	-24.8	-25	36.3	15.98	36.3	16.23	36.1	16.40	36.1	16.48	36.1	16.88	35.4	16.14
	-21.8	-22	42.9	16.23	42.9	16.47	42.9	16.64	42.9	16.88	42.9	16.14	40.4	15.43
	-19.8	-20	44.6	16.39	44.6	16.63	44.6	16.88	44.6	16.36	43.4	15.65	40.4	14.96
	-18.8	-19	45.5	16.47	45.5	16.88	45.5	16.62	45.0	16.10	43.4	15.40	40.4	14.72
	-16.7	-17	46.4	16.88	46.4	16.32	46.4	16.06	45.0	15.54	43.4	14.88	40.4	14.22
	-13.7	-15	48.5	16.05	47.6	15.53	46.4	15.25	45.0	14.76	43.4	14.14	40.4	13.51
	-11.8	-13	50.1	15.53	48.6	15.02	46.4	14.75	45.0	14.26	43.4	13.67	40.4	13.06
	-9.8	-11	51.4	14.97	49.1	14.49	46.4	14.21	45.0	13.73	43.4	13.17	40.4	12.59
	-9.5	-10	51.7	14.89	49.4	14.41	46.4	14.13	45.0	13.66	43.4	13.10	40.4	12.52
	-8.5	-9.1	52.1	14.61	49.4	14.15	46.4	13.87	45.0	13.39	43.4	12.85	40.4	12.28
	-7.0	-7.6	52.4	14.20	49.4	13.75	46.4	13.47	45.0	13.00	43.4	12.48	40.4	11.93
	-5.0	-5.6	52.4	13.65	49.4	13.22	46.4	12.93	45.0	12.48	43.4	11.99	40.4	11.45
	-3.0	-3.7	52.4	13.09	49.4	12.69	46.4	12.40	45.0	11.95	43.4	11.49	40.4	10.98
	0.0	-0.7	52.4	12.26	49.4	11.89	46.4	11.60	45.0	11.16	43.4	10.75	40.4	10.27
	3.0	2.2	52.4	11.44	49.4	11.09	46.4	10.80	45.0	10.38	43.4	10.01	40.4	9.56
	5.0	4.1	52.4	10.88	49.4	10.56	46.4	10.27	45.0	9.85	43.4	9.52	40.4	9.09
	7.0	6.0	52.4	10.33	49.4	10.03	46.4	9.73	45.0	9.33	43.4	9.02	40.4	8.61
9.0	7.9	52.4	9.70	49.4	9.42	46.4	9.14	45.0	8.76	43.4	8.47	40.4	8.09	
11.0	9.8	52.4	9.00	49.4	8.74	46.4	8.48	45.0	8.13	43.4	7.86	40.4	7.51	
13.0	11.8	52.4	8.40	49.4	8.16	46.4	7.92	45.0	7.59	43.4	7.34	40.4	7.01	
15.0	13.7	52.4	7.91	49.4	7.68	46.4	7.45	45.0	7.14	43.4	6.91	40.4	6.60	

# 7. Capacity Tables

Heating Capacity (18HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB													
			16		18		20		21		22		24			
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
70	-24.8	-25	36.3	16.00	36.3	16.08	36.1	16.24	36.1	16.49	36.1	16.49	36.1	15.68	34.5	14.93
	-21.8	-22	39.8	16.24	39.8	16.33	39.5	16.49	38.2	15.68	37.0	14.93	34.5	14.21		
	-19.8	-20	42.0	16.41	42.0	16.49	39.5	15.92	38.2	15.15	37.0	14.43	34.5	13.73		
	-18.8	-19	43.2	16.49	42.0	16.19	39.5	15.64	38.2	14.88	37.0	14.18	34.5	13.49		
	-16.7	-17	44.5	15.88	42.0	15.58	39.5	15.05	38.2	14.32	37.0	13.66	34.5	12.98		
	-13.7	-15	44.5	15.01	42.0	14.70	39.5	14.20	38.2	13.51	37.0	12.91	34.5	12.26		
	-11.8	-13	44.5	14.45	42.0	14.14	39.5	13.66	38.2	13.00	37.0	12.43	34.5	11.80		
	-9.8	-11	44.5	13.87	42.0	13.56	39.5	13.09	38.2	12.47	37.0	11.93	34.5	11.32		
	-9.5	-10	44.5	13.79	42.0	13.47	39.5	13.01	38.2	12.39	37.0	11.85	34.5	11.24		
	-8.5	-9.1	44.5	13.50	42.0	13.18	39.5	12.73	38.2	12.12	37.0	11.60	34.5	11.00		
	-7.0	-7.6	44.5	13.06	42.0	12.74	39.5	12.30	38.2	11.72	37.0	11.23	34.5	10.64		
	-5.0	-5.6	44.5	12.48	42.0	12.15	39.5	11.74	38.2	11.18	37.0	10.73	34.5	10.16		
	-3.0	-3.7	44.5	11.90	42.0	11.56	39.5	11.17	38.2	10.65	37.0	10.23	34.5	9.68		
	0.0	-0.7	44.5	11.03	42.0	10.68	39.5	10.32	38.2	9.84	37.0	9.48	34.5	8.95		
	3.0	2.2	44.5	10.16	42.0	9.81	39.5	9.47	38.2	9.04	37.0	8.73	34.5	8.23		
	5.0	4.1	44.5	9.58	42.0	9.22	39.5	8.91	38.2	8.50	37.0	8.23	34.5	7.75		
	7.0	6.0	44.5	8.99	42.0	8.63	39.5	8.34	38.2	7.97	37.0	7.73	34.5	7.26		
9.0	7.9	44.5	8.12	42.0	7.80	39.5	7.53	38.2	7.19	37.0	6.98	34.5	6.56			
11.0	9.8	44.5	7.56	42.0	7.26	39.5	7.02	38.2	6.70	37.0	6.50	34.5	6.11			
13.0	11.8	44.5	7.08	42.0	6.79	39.5	6.56	38.2	6.27	37.0	6.08	34.5	5.71			
15.0	13.7	44.5	6.67	42.0	6.40	39.5	6.19	38.2	5.91	37.0	5.73	34.5	5.39			
60	-24.8	-25	34.1	15.84	34.1	16.00	33.9	16.24	32.7	15.38	31.6	14.58	29.6	13.82		
	-21.8	-22	36.5	16.08	36.1	16.24	33.9	15.38	32.7	14.58	31.6	13.82	29.6	13.10		
	-19.8	-20	38.2	16.24	36.1	15.64	33.9	14.81	32.7	14.04	31.6	13.32	29.6	12.61		
	-18.8	-19	38.2	15.94	36.1	15.33	33.9	14.52	32.7	13.77	31.6	13.07	29.6	12.37		
	-16.7	-17	38.2	15.29	36.1	14.69	33.9	13.92	32.7	13.21	31.6	12.54	29.6	11.86		
	-13.7	-15	38.2	14.36	36.1	13.78	33.9	13.06	32.7	12.40	31.6	11.78	29.6	11.13		
	-11.8	-13	38.2	13.78	36.1	13.20	33.9	12.52	32.7	11.89	31.6	11.30	29.6	10.67		
	-9.8	-11	38.2	13.16	36.1	12.59	33.9	11.94	32.7	11.36	31.6	10.80	29.6	10.18		
	-9.5	-10	38.2	13.07	36.1	12.50	33.9	11.86	32.7	11.28	31.6	10.73	29.6	10.11		
	-8.5	-9.1	38.2	12.76	36.1	12.19	33.9	11.57	32.7	11.01	31.6	10.47	29.6	9.87		
	-7.0	-7.6	38.2	12.30	36.1	11.74	33.9	11.14	32.7	10.61	31.6	10.10	29.6	9.50		
	-5.0	-5.6	38.2	11.68	36.1	11.13	33.9	10.57	32.7	10.07	31.6	9.59	29.6	9.02		
	-3.0	-3.7	38.2	11.06	36.1	10.52	33.9	9.99	32.7	9.53	31.6	9.09	29.6	8.53		
	0.0	-0.7	38.2	10.14	36.1	9.61	33.9	9.13	32.7	8.73	31.6	8.33	29.6	7.81		
	3.0	2.2	38.2	9.21	36.1	8.69	33.9	8.27	32.7	7.92	31.6	7.58	29.6	7.08		
	5.0	4.1	38.2	8.60	36.1	8.08	33.9	7.70	32.7	7.38	31.6	7.07	29.6	6.59		
	7.0	6.0	38.2	7.98	36.1	7.47	33.9	7.13	32.7	6.85	31.6	6.57	29.6	6.11		
9.0	7.9	38.2	7.12	36.1	6.67	33.9	6.36	32.7	6.11	31.6	5.86	29.6	5.45			
11.0	9.8	38.2	6.65	36.1	6.23	33.9	5.94	32.7	5.70	31.6	5.47	29.6	5.09			
13.0	11.8	38.2	6.23	36.1	5.83	33.9	5.56	32.7	5.34	31.6	5.13	29.6	4.77			
15.0	13.7	38.2	5.88	36.1	5.51	33.9	5.26	32.7	5.05	31.6	4.85	29.6	4.51			
50	-24.8	-25	31.8	13.77	30.0	14.01	28.2	13.26	27.3	12.56	26.4	11.89	24.6	11.28		
	-21.8	-22	31.8	14.01	30.0	13.26	28.2	12.56	27.3	11.89	26.4	11.28	24.6	10.68		
	-19.8	-20	31.8	13.49	30.0	12.76	28.2	12.09	27.3	11.45	26.4	10.86	24.6	10.29		
	-18.8	-19	31.8	13.23	30.0	12.51	28.2	11.85	27.3	11.23	26.4	10.66	24.6	10.09		
	-16.7	-17	31.8	12.67	30.0	11.98	28.2	11.36	27.3	10.76	26.4	10.22	24.6	9.67		
	-13.7	-15	31.8	11.88	30.0	11.23	28.2	10.66	27.3	10.10	26.4	9.61	24.6	9.08		
	-11.8	-13	31.8	11.38	30.0	10.75	28.2	10.21	27.3	9.68	26.4	9.22	24.6	8.70		
	-9.8	-11	31.8	10.86	30.0	10.25	28.2	9.74	27.3	9.24	26.4	8.80	24.6	8.31		
	-9.5	-10	31.8	10.78	30.0	10.17	28.2	9.67	27.3	9.17	26.4	8.74	24.6	8.25		
	-8.5	-9.1	31.8	10.51	30.0	9.92	28.2	9.44	27.3	8.95	26.4	8.54	24.6	8.05		
	-7.0	-7.6	31.8	10.12	30.0	9.54	28.2	9.09	27.3	8.62	26.4	8.23	24.6	7.75		
	-5.0	-5.6	31.8	9.59	30.0	9.04	28.2	8.62	27.3	8.17	26.4	7.81	24.6	7.36		
	-3.0	-3.7	31.8	9.07	30.0	8.54	28.2	8.15	27.3	7.73	26.4	7.40	24.6	6.96		
	0.0	-0.7	31.8	8.28	30.0	7.78	28.2	7.45	27.3	7.06	26.4	6.79	24.6	6.37		
	3.0	2.2	31.8	7.49	30.0	7.03	28.2	6.74	27.3	6.40	26.4	6.17	24.6	5.78		
	5.0	4.1	31.8	6.96	30.0	6.53	28.2	6.27	27.3	5.96	26.4	5.76	24.6	5.38		
	7.0	6.0	31.8	6.44	30.0	6.03	28.2	5.80	27.3	5.51	26.4	5.34	24.6	4.98		
9.0	7.9	31.8	5.81	30.0	5.44	28.2	5.24	27.3	4.98	26.4	4.83	24.6	4.50			
11.0	9.8	31.8	5.44	30.0	5.09	28.2	4.90	27.3	4.66	26.4	4.51	24.6	4.21			
13.0	11.8	31.8	5.11	30.0	4.78	28.2	4.60	27.3	4.37	26.4	4.24	24.6	3.95			
15.0	13.7	31.8	4.83	30.0	4.52	28.2	4.36	27.3	4.14	26.4	4.01	24.6	3.74			

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN200BTE5

Heating Capacity (20HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	39.5	23.22	39.5	23.29	39.2	23.35	39.2	23.45	39.2	23.55	38.5	23.70
	-21.8	-22	48.0	23.36	48.0	23.44	47.7	23.50	47.7	23.60	47.7	23.70	46.8	23.85
	-19.8	-20	50.7	23.46	50.7	23.54	50.3	23.60	50.3	23.70	50.3	23.80	49.4	23.94
	-18.8	-19	51.7	23.51	51.7	23.59	51.4	23.65	51.4	23.75	51.4	23.85	50.4	23.99
	-16.7	-17	54.0	23.62	54.0	23.69	53.7	23.76	53.7	23.86	53.7	23.95	52.7	24.10
	-13.7	-15	57.3	23.77	57.3	23.84	57.0	23.90	57.0	24.00	57.0	24.10	55.9	23.22
	-11.8	-13	59.2	23.86	59.2	23.93	58.8	24.00	58.8	24.10	58.8	23.51	57.9	22.67
	-9.8	-11	61.1	23.96	61.1	24.03	60.8	24.10	60.8	23.48	60.8	22.89	60.0	22.08
	-9.5	-10	61.5	23.97	61.5	24.05	61.1	24.00	61.1	23.38	61.1	22.80	60.3	22.00
	-8.5	-9.1	62.7	24.02	62.7	24.10	62.3	23.69	62.3	23.07	62.0	22.49	61.4	21.70
	-7.0	-7.6	64.5	24.10	64.5	23.64	64.1	23.22	64.1	22.61	64.1	22.03	63.0	21.27
	-5.0	-5.6	66.8	23.51	66.8	23.03	66.4	22.58	66.4	21.98	66.4	21.41	65.1	20.68
	-3.0	-3.7	69.2	22.93	69.2	22.42	68.8	21.95	68.8	21.36	68.8	20.80	67.2	20.10
	0.0	-0.7	72.7	22.05	72.7	21.50	72.3	21.01	72.3	20.43	72.3	19.87	70.4	19.22
	3.0	2.2	76.3	21.18	76.3	20.59	75.8	20.06	75.8	19.50	75.8	18.95	71.1	18.35
	5.0	4.1	78.7	20.59	78.7	19.98	78.2	19.43	78.2	18.88	76.4	18.33	71.1	17.76
	7.0	6.0	81.0	20.01	81.0	19.36	80.5	18.80	79.2	18.25	76.4	17.71	71.1	17.18
9.0	7.9	81.4	19.53	81.4	18.90	81.2	18.35	79.2	17.82	76.4	17.29	71.1	16.77	
11.0	9.8	81.4	19.23	81.4	18.61	81.2	18.07	79.2	17.54	76.4	17.02	71.1	16.51	
13.0	11.8	81.4	18.90	81.4	18.29	81.2	17.76	79.2	17.24	76.4	16.73	71.1	16.22	
15.0	13.7	81.4	18.54	81.4	17.94	81.2	17.42	79.2	16.91	76.4	16.41	71.1	15.92	
120	-24.8	-25	39.2	23.29	39.2	23.35	38.9	23.45	38.9	23.55	38.9	23.70	38.2	23.80
	-21.8	-22	47.7	23.44	47.7	23.50	47.4	23.60	47.4	23.70	47.4	23.85	46.5	23.95
	-19.8	-20	50.3	23.54	50.3	23.60	50.0	23.70	50.0	23.80	50.0	23.94	49.0	24.05
	-18.8	-19	51.4	23.59	51.4	23.65	51.1	23.75	51.1	23.85	51.1	23.99	50.1	24.10
	-16.7	-17	53.7	23.69	53.7	23.76	53.3	23.86	53.3	23.95	53.3	24.10	52.3	23.53
	-13.7	-15	56.9	23.84	56.9	23.90	56.6	24.00	56.6	24.10	56.6	23.26	55.5	22.73
	-11.8	-13	58.8	23.93	58.8	24.00	58.4	24.10	58.4	23.51	58.4	22.73	57.5	22.22
	-9.8	-11	60.7	24.03	60.7	24.10	60.3	23.45	60.3	22.88	60.3	22.17	59.6	21.68
	-9.5	-10	61.1	24.05	61.1	24.00	60.7	23.35	60.7	22.79	60.7	22.09	59.9	21.60
	-8.5	-9.1	62.2	24.10	62.2	23.65	61.9	23.03	61.9	22.48	61.9	21.81	61.0	21.33
	-7.0	-7.6	64.0	23.59	64.0	23.14	63.6	22.54	63.6	22.01	63.6	21.39	62.5	20.93
	-5.0	-5.6	66.4	22.92	66.4	22.46	65.9	21.89	65.9	21.39	65.9	20.83	64.7	20.40
	-3.0	-3.7	68.7	22.24	68.7	21.78	68.3	21.24	68.3	20.77	68.3	20.28	66.8	19.86
	0.0	-0.7	72.2	21.23	72.2	20.75	71.8	20.27	71.8	19.83	71.8	19.44	66.8	19.05
	3.0	2.2	75.8	20.22	75.8	19.73	75.3	19.30	74.2	18.90	71.9	18.60	66.8	18.25
	5.0	4.1	78.1	19.55	78.1	19.04	76.8	18.65	74.2	18.28	71.9	18.05	66.8	17.71
	7.0	6.0	80.5	18.87	79.9	18.36	76.8	18.00	74.2	17.65	71.9	17.49	66.8	17.18
9.0	7.9	80.8	18.37	79.9	17.88	76.8	17.52	74.2	17.19	71.9	17.03	66.8	16.72	
11.0	9.8	80.8	18.04	79.9	17.55	76.8	17.20	74.2	16.87	71.9	16.71	66.8	16.41	
13.0	11.8	80.8	17.67	79.9	17.19	76.8	16.85	74.2	16.53	71.9	16.38	66.8	16.08	
15.0	13.7	80.8	17.28	79.9	16.81	76.8	16.48	74.2	16.17	71.9	16.01	66.8	15.73	
110	-24.8	-25	39.0	23.35	39.0	23.45	38.7	23.55	38.7	23.70	38.7	23.80	38.0	23.85
	-21.8	-22	47.4	23.50	47.4	23.60	47.1	23.70	47.1	23.85	47.1	23.95	46.2	24.00
	-19.8	-20	50.0	23.60	50.0	23.70	49.7	23.80	49.7	23.94	49.7	24.05	48.7	24.10
	-18.8	-19	51.1	23.65	51.1	23.75	50.8	23.85	50.8	23.99	50.8	24.10	49.8	23.80
	-16.7	-17	53.4	23.76	53.4	23.86	53.0	23.95	53.0	24.10	53.0	23.48	52.0	23.17
	-13.7	-15	56.6	23.90	56.6	24.00	56.2	24.10	56.2	23.17	56.2	22.61	56.2	22.27
	-11.8	-13	58.4	24.00	58.4	24.10	58.1	23.45	58.1	22.58	58.1	22.05	58.1	21.70
	-9.8	-11	60.4	24.10	60.4	23.36	60.0	22.76	60.0	21.97	60.0	21.47	59.6	21.10
	-9.5	-10	60.7	23.98	60.7	23.25	60.4	22.66	60.4	21.87	60.4	21.38	60.1	21.01
	-8.5	-9.1	61.9	23.58	61.9	22.88	61.5	22.31	61.5	21.57	61.5	21.09	60.1	20.71
	-7.0	-7.6	63.7	22.99	63.7	22.33	63.3	21.80	63.3	21.10	63.3	20.65	60.1	20.26
	-5.0	-5.6	66.0	22.20	66.0	21.60	65.6	21.11	65.6	20.49	64.4	20.07	60.1	19.66
	-3.0	-3.7	68.3	21.40	68.3	20.86	67.9	20.42	66.6	19.87	64.4	19.48	60.1	19.05
	0.0	-0.7	71.8	20.21	71.8	19.76	68.9	19.39	66.6	18.94	64.4	18.61	60.1	18.15
	3.0	2.2	75.3	19.03	73.4	18.65	68.9	18.36	66.6	18.01	64.4	17.73	60.1	17.25
	5.0	4.1	77.7	18.23	73.4	17.91	68.9	17.67	66.6	17.40	64.4	17.15	60.1	16.65
	7.0	6.0	77.7	17.44	73.4	17.18	68.9	16.99	66.6	16.78	64.4	16.56	60.1	16.05
9.0	7.9	77.7	16.90	73.4	16.65	68.9	16.46	66.6	16.26	64.4	16.05	60.1	15.56	
11.0	9.8	77.7	16.51	73.4	16.26	68.9	16.08	66.6	15.88	64.4	15.68	60.1	15.20	
13.0	11.8	77.7	16.09	73.4	15.85	68.9	15.67	66.6	15.48	64.4	15.28	60.1	14.81	
15.0	13.7	77.7	15.64	73.4	15.41	68.9	15.23	66.6	15.05	64.4	14.86	60.1	14.40	

# 7. Capacity Tables

Heating Capacity (20HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	38.8	25.55	38.8	25.35	38.6	23.35	38.6	24.88	38.6	24.68	37.8	24.58
	-21.8	-22	47.2	25.26	47.2	25.06	46.9	24.09	46.9	24.59	46.9	24.69	46.0	24.29
	-19.8	-20	49.8	25.06	49.8	24.87	49.5	24.54	49.5	24.40	49.5	24.30	48.5	24.10
	-18.8	-19	50.9	24.97	50.6	24.77	50.6	24.59	50.6	24.30	50.6	24.10	49.6	23.73
	-16.7	-17	52.8	24.76	52.8	24.57	52.8	24.69	52.5	24.10	52.5	23.33	51.5	22.95
	-13.7	-15	56.3	24.47	56.3	24.28	56.0	24.10	56.0	22.99	56.0	22.24	54.9	21.83
	-11.8	-13	58.1	24.29	57.8	24.10	57.8	23.36	57.8	22.29	57.8	21.55	54.9	21.13
	-9.8	-11	60.1	24.10	60.1	23.27	59.8	22.59	59.8	21.56	59.0	20.82	54.9	20.39
	-9.5	-10	60.4	23.97	60.4	23.15	60.1	22.47	60.1	21.45	59.0	20.71	54.9	20.27
	-8.5	-9.1	61.6	23.54	61.6	22.74	61.3	22.08	61.0	21.08	59.0	20.35	54.9	19.90
	-7.0	-7.6	64.4	22.90	64.1	22.12	63.0	21.50	61.0	20.53	59.0	19.80	54.9	19.35
	-5.0	-5.6	67.2	22.04	66.5	21.30	63.0	20.72	61.0	19.79	59.0	19.08	54.9	18.60
	-3.0	-3.7	69.1	21.18	67.0	20.47	63.0	19.95	61.0	19.06	59.0	18.35	54.9	17.86
	0.0	-0.7	71.1	19.89	67.0	19.24	63.0	18.78	61.0	17.95	59.0	17.26	54.9	16.75
	3.0	2.2	71.1	18.60	67.0	18.00	63.0	17.62	61.0	16.85	59.0	16.17	54.9	15.63
	5.0	4.1	71.1	17.74	67.0	17.18	63.0	16.85	61.0	16.11	59.0	15.44	54.9	14.89
	7.0	6.0	71.1	16.88	67.0	16.35	63.0	16.07	61.0	15.37	59.0	14.71	54.9	14.15
9.0	7.9	71.1	16.29	67.0	15.78	63.0	15.51	61.0	14.84	59.0	14.19	54.9	13.65	
11.0	9.8	71.1	15.84	67.0	15.34	63.0	15.08	61.0	14.42	59.0	13.80	54.9	13.27	
13.0	11.8	71.1	15.36	67.0	14.87	63.0	14.62	61.0	13.98	59.0	13.38	54.9	12.87	
15.0	13.7	71.1	14.84	67.0	14.38	63.0	14.13	61.0	13.52	59.0	12.93	54.9	12.44	
90	-24.8	-25	38.7	22.86	38.7	23.01	38.4	23.11	38.4	23.16	38.4	23.26	37.7	23.41
	-21.8	-22	47.0	23.01	47.0	23.16	46.7	23.26	46.7	23.31	46.7	23.41	45.8	22.42
	-19.8	-20	49.6	23.11	49.6	23.26	49.3	23.36	49.3	23.41	49.3	22.73	48.4	21.75
	-18.8	-19	50.9	23.16	50.6	23.31	50.4	23.41	50.4	23.06	50.4	22.39	49.4	21.42
	-16.7	-17	52.8	23.26	52.8	23.41	52.6	22.69	52.6	22.33	52.6	21.68	50.2	20.72
	-13.7	-15	56.3	23.41	56.3	22.34	55.8	21.66	55.8	21.28	54.1	20.66	50.2	19.73
	-11.8	-13	58.1	22.68	57.8	21.66	57.6	21.01	55.9	20.62	54.1	20.02	50.2	19.10
	-9.8	-11	60.1	21.91	60.1	20.95	57.6	20.32	55.9	19.92	54.1	19.34	50.2	18.44
	-9.5	-10	60.4	21.79	60.4	20.84	57.6	20.22	55.9	19.82	54.1	19.24	50.2	18.34
	-8.5	-9.1	61.6	21.41	61.1	20.49	57.6	19.88	55.9	19.47	54.1	18.90	50.2	18.00
	-7.0	-7.6	64.4	20.83	61.2	19.95	57.6	19.36	55.9	18.94	54.1	18.39	50.2	17.51
	-5.0	-5.6	65.1	20.06	61.2	19.24	57.6	18.67	55.9	18.25	54.1	17.71	50.2	16.84
	-3.0	-3.7	65.1	19.29	61.2	18.52	57.6	17.99	55.9	17.55	54.1	17.03	50.2	16.18
	0.0	-0.7	65.1	18.13	61.2	17.45	57.6	16.96	55.9	16.50	54.1	16.01	50.2	15.18
	3.0	2.2	65.1	16.97	61.2	16.38	57.6	15.93	55.9	15.45	54.1	15.00	50.2	14.19
	5.0	4.1	65.1	16.20	61.2	15.67	57.6	15.24	55.9	14.76	54.1	14.32	50.2	13.53
	7.0	6.0	65.1	15.43	61.2	14.96	57.6	14.55	55.9	14.06	54.1	13.64	50.2	12.86
9.0	7.9	65.1	14.70	61.2	14.25	57.6	13.87	55.9	13.39	54.1	13.00	50.2	12.25	
11.0	9.8	65.1	13.97	61.2	13.54	57.6	13.18	55.9	12.73	54.1	12.35	50.2	11.65	
13.0	11.8	65.1	13.25	61.2	12.84	57.6	12.49	55.9	12.07	54.1	11.71	50.2	11.04	
15.0	13.7	65.1	12.52	61.2	12.13	57.6	11.81	55.9	11.40	54.1	11.07	50.2	10.43	
80	-24.8	-25	38.5	20.21	38.5	20.36	38.3	20.46	38.3	20.51	38.3	20.76	37.5	19.88
	-21.8	-22	46.5	20.36	46.5	20.51	46.5	20.61	46.5	20.76	46.5	19.88	44.9	19.04
	-19.8	-20	49.1	20.46	49.1	20.61	49.1	20.76	49.1	20.14	48.2	19.30	44.9	18.48
	-18.8	-19	50.2	20.51	50.2	20.76	50.2	20.45	50.0	19.83	48.2	19.01	44.9	18.20
	-16.7	-17	51.6	20.76	51.6	20.11	51.6	19.79	50.0	19.19	48.2	18.40	44.9	17.61
	-13.7	-15	53.9	19.80	52.9	19.18	51.6	18.85	50.0	18.26	48.2	17.52	44.9	16.77
	-11.8	-13	55.3	19.18	53.7	18.59	51.6	18.26	50.0	17.67	48.2	16.97	44.9	16.24
	-9.8	-11	56.8	18.54	54.4	17.97	51.6	17.63	50.0	17.06	48.2	16.38	44.9	15.67
	-9.5	-10	57.2	18.45	54.7	17.88	51.6	17.54	50.0	16.96	48.2	16.29	44.9	15.59
	-8.5	-9.1	57.7	18.12	54.9	17.57	51.6	17.23	50.0	16.65	48.2	16.00	44.9	15.31
	-7.0	-7.6	58.3	17.64	54.9	17.10	51.6	16.76	50.0	16.19	48.2	15.56	44.9	14.89
	-5.0	-5.6	58.3	17.00	54.9	16.48	51.6	16.13	50.0	15.57	48.2	14.98	44.9	14.33
	-3.0	-3.7	58.3	16.36	54.9	15.86	51.6	15.51	50.0	14.96	48.2	14.40	44.9	13.77
	0.0	-0.7	58.3	15.39	54.9	14.93	51.6	14.57	50.0	14.03	48.2	13.52	44.9	12.92
	3.0	2.2	58.3	14.43	54.9	14.00	51.6	13.63	50.0	13.10	48.2	12.65	44.9	12.08
	5.0	4.1	58.3	13.79	54.9	13.38	51.6	13.01	50.0	12.49	48.2	12.06	44.9	11.52
	7.0	6.0	58.3	13.14	54.9	12.76	51.6	12.38	50.0	11.87	48.2	11.48	44.9	10.96
9.0	7.9	58.3	12.34	54.9	11.98	51.6	11.63	50.0	11.14	48.2	10.78	44.9	10.29	
11.0	9.8	58.3	11.45	54.9	11.12	51.6	10.79	50.0	10.34	48.2	10.00	44.9	9.55	
13.0	11.8	58.3	10.69	54.9	10.38	51.6	10.07	50.0	9.66	48.2	9.34	44.9	8.92	
15.0	13.7	58.3	10.06	54.9	9.77	51.6	9.48	50.0	9.09	48.2	8.79	44.9	8.39	

# 7. Capacity Tables

Heating Capacity (20HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB													
			16		18		20		21		22		24			
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
70	-24.8	-25	38.5	19.98	38.5	20.03	38.3	20.13	38.3	20.27	38.3	19.32	38.3	19.32	37.5	18.42
	-21.8	-22	44.2	20.13	44.2	20.18	43.9	20.27	42.4	19.32	41.1	18.42	38.4	17.56		
	-19.8	-20	48.0	20.22	46.7	20.27	43.9	19.60	42.4	18.68	41.1	17.83	38.4	16.98		
	-18.8	-19	49.4	20.27	46.7	19.93	43.9	19.27	42.4	18.36	41.1	17.53	38.4	16.69		
	-16.7	-17	49.4	19.56	46.7	19.20	43.9	18.56	42.4	17.69	41.1	16.90	38.4	16.08		
	-13.7	-15	49.4	18.53	46.7	18.16	43.9	17.56	42.4	16.74	41.1	16.01	38.4	15.22		
	-11.8	-13	49.4	17.88	46.7	17.50	43.9	16.92	42.4	16.13	41.1	15.44	38.4	14.67		
	-9.8	-11	49.4	17.19	46.7	16.81	43.9	16.25	42.4	15.49	41.1	14.84	38.4	14.09		
	-9.5	-10	49.4	17.09	46.7	16.70	43.9	16.15	42.4	15.40	41.1	14.75	38.4	14.01		
	-8.5	-9.1	49.4	16.75	46.7	16.36	43.9	15.81	42.4	15.08	41.1	14.45	38.4	13.72		
	-7.0	-7.6	49.4	16.24	46.7	15.84	43.9	15.31	42.4	14.60	41.1	14.01	38.4	13.28		
	-5.0	-5.6	49.4	15.55	46.7	15.14	43.9	14.64	42.4	13.96	41.1	13.41	38.4	12.71		
	-3.0	-3.7	49.4	14.87	46.7	14.45	43.9	13.97	42.4	13.32	41.1	12.81	38.4	12.13		
	0.0	-0.7	49.4	13.84	46.7	13.41	43.9	12.96	42.4	12.37	41.1	11.92	38.4	11.26		
	3.0	2.2	49.4	12.81	46.7	12.37	43.9	11.96	42.4	11.41	41.1	11.02	38.4	10.40		
	5.0	4.1	49.4	12.13	46.7	11.68	43.9	11.29	42.4	10.77	41.1	10.43	38.4	9.82		
	7.0	6.0	49.4	11.44	46.7	10.98	43.9	10.62	42.4	10.14	41.1	9.83	38.4	9.24		
9.0	7.9	49.4	10.33	46.7	9.92	43.9	9.59	42.4	9.15	41.1	8.88	38.4	8.35			
11.0	9.8	49.4	9.62	46.7	9.24	43.9	8.93	42.4	8.52	41.1	8.27	38.4	7.77			
13.0	11.8	49.4	9.00	46.7	8.64	43.9	8.35	42.4	7.97	41.1	7.73	38.4	7.27			
15.0	13.7	49.4	8.49	46.7	8.15	43.9	7.87	42.4	7.52	41.1	7.29	38.4	6.85			
60	-24.8	-25	37.9	19.80	37.9	19.90	37.6	20.05	36.4	19.02	35.1	18.04	32.9	17.13		
	-21.8	-22	40.6	19.95	40.1	20.05	37.6	19.02	36.4	18.04	35.1	17.13	32.9	16.25		
	-19.8	-20	42.4	20.05	40.1	19.32	37.6	18.32	36.4	17.40	35.1	16.52	32.9	15.66		
	-18.8	-19	42.4	19.68	40.1	18.95	37.6	17.98	36.4	17.07	35.1	16.22	32.9	15.36		
	-16.7	-17	42.4	18.91	40.1	18.18	37.6	17.25	36.4	16.39	35.1	15.58	32.9	14.75		
	-13.7	-15	42.4	17.80	40.1	17.09	37.6	16.22	36.4	15.42	35.1	14.66	32.9	13.86		
	-11.8	-13	42.4	17.10	40.1	16.39	37.6	15.56	36.4	14.80	35.1	14.08	32.9	13.30		
	-9.8	-11	42.4	16.36	40.1	15.66	37.6	14.87	36.4	14.16	35.1	13.47	32.9	12.72		
	-9.5	-10	42.4	16.25	40.1	15.55	37.6	14.77	36.4	14.06	35.1	13.38	32.9	12.63		
	-8.5	-9.1	42.4	15.88	40.1	15.18	37.6	14.42	36.4	13.73	35.1	13.08	32.9	12.33		
	-7.0	-7.6	42.4	15.32	40.1	14.63	37.6	13.90	36.4	13.25	35.1	12.62	32.9	11.89		
	-5.0	-5.6	42.4	14.58	40.1	13.90	37.6	13.21	36.4	12.60	35.1	12.01	32.9	11.30		
	-3.0	-3.7	42.4	13.85	40.1	13.17	37.6	12.52	36.4	11.95	35.1	11.40	32.9	10.71		
	0.0	-0.7	42.4	12.74	40.1	12.07	37.6	11.48	36.4	10.98	35.1	10.49	32.9	9.83		
	3.0	2.2	42.4	11.63	40.1	10.97	37.6	10.45	36.4	10.01	35.1	9.58	32.9	8.95		
	5.0	4.1	42.4	10.89	40.1	10.24	37.6	9.76	36.4	9.36	35.1	8.97	32.9	8.36		
	7.0	6.0	42.4	10.15	40.1	9.51	37.6	9.07	36.4	8.71	35.1	8.36	32.9	7.77		
9.0	7.9	42.4	9.06	40.1	8.48	37.6	8.09	36.4	7.77	35.1	7.46	32.9	6.93			
11.0	9.8	42.4	8.46	40.1	7.92	37.6	7.55	36.4	7.26	35.1	6.96	32.9	6.47			
13.0	11.8	42.4	7.92	40.1	7.42	37.6	7.08	36.4	6.80	35.1	6.52	32.9	6.07			
15.0	13.7	42.4	7.49	40.1	7.01	37.6	6.69	36.4	6.43	35.1	6.16	32.9	5.73			
50	-24.8	-25	35.4	17.09	33.4	17.23	31.4	16.33	30.4	15.49	29.3	14.69	27.3	13.94		
	-21.8	-22	35.4	17.23	33.4	16.33	31.4	15.49	30.4	14.69	29.3	13.94	27.3	13.23		
	-19.8	-20	35.4	16.61	33.4	15.73	31.4	14.92	30.4	14.16	29.3	13.45	27.3	12.75		
	-18.8	-19	35.4	16.29	33.4	15.43	31.4	14.64	30.4	13.89	29.3	13.20	27.3	12.51		
	-16.7	-17	35.4	15.63	33.4	14.80	31.4	14.05	30.4	13.33	29.3	12.68	27.3	12.01		
	-13.7	-15	35.4	14.69	33.4	13.89	31.4	13.21	30.4	12.53	29.3	11.93	27.3	11.29		
	-11.8	-13	35.4	14.09	33.4	13.32	31.4	12.67	30.4	12.02	29.3	11.46	27.3	10.84		
	-9.8	-11	35.4	13.47	33.4	12.72	31.4	12.11	30.4	11.49	29.3	10.97	27.3	10.36		
	-9.5	-10	35.4	13.37	33.4	12.63	31.4	12.03	30.4	11.41	29.3	10.89	27.3	10.29		
	-8.5	-9.1	35.4	13.06	33.4	12.33	31.4	11.75	30.4	11.15	29.3	10.64	27.3	10.05		
	-7.0	-7.6	35.4	12.59	33.4	11.88	31.4	11.32	30.4	10.75	29.3	10.27	27.3	9.69		
	-5.0	-5.6	35.4	11.96	33.4	11.28	31.4	10.76	30.4	10.21	29.3	9.78	27.3	9.21		
	-3.0	-3.7	35.4	11.33	33.4	10.68	31.4	10.20	30.4	9.68	29.3	9.28	27.3	8.73		
	0.0	-0.7	35.4	10.39	33.4	9.77	31.4	9.35	30.4	8.88	29.3	8.54	27.3	8.02		
	3.0	2.2	35.4	9.45	33.4	8.87	31.4	8.51	30.4	8.08	29.3	7.79	27.3	7.30		
	5.0	4.1	35.4	8.82	33.4	8.27	31.4	7.95	30.4	7.55	29.3	7.29	27.3	6.82		
	7.0	6.0	35.4	8.19	33.4	7.67	31.4	7.39	30.4	7.02	29.3	6.80	27.3	6.34		
9.0	7.9	35.4	7.39	33.4	6.92	31.4	6.67	30.4	6.34	29.3	6.14	27.3	5.73			
11.0	9.8	35.4	6.92	33.4	6.48	31.4	6.24	30.4	5.93	29.3	5.74	27.3	5.36			
13.0	11.8	35.4	6.50	33.4	6.08	31.4	5.86	30.4	5.57	29.3	5.39	27.3	5.03			
15.0	13.7	35.4	6.15	33.4	5.76	31.4	5.54	30.4	5.27	29.3	5.10	27.3	4.76			

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN220BTE5

Heating Capacity (22HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	43.4	26.24	43.4	26.33	43.2	26.40	43.2	26.52	43.2	26.63	42.3	26.81
	-21.8	-22	52.8	26.42	52.8	26.50	52.5	26.58	52.5	26.70	52.5	26.81	51.5	26.98
	-19.8	-20	55.7	26.53	55.7	26.62	55.3	26.70	55.3	26.81	55.3	26.92	54.3	27.10
	-18.8	-19	56.9	26.59	56.9	26.68	56.5	26.75	56.5	26.87	56.5	26.98	55.5	27.16
	-16.7	-17	59.4	26.71	59.4	26.80	59.0	26.88	59.0	26.99	59.0	27.10	57.9	27.28
	-13.7	-15	63.0	26.89	63.0	26.98	62.6	27.05	62.6	27.17	62.6	27.28	61.4	26.29
	-11.8	-13	65.1	27.00	65.1	27.09	64.7	27.16	64.7	27.28	64.7	27.28	62.61	25.66
	-9.8	-11	67.3	27.12	67.3	27.20	66.8	27.28	66.8	26.57	66.8	25.92	66.0	25.00
	-9.5	-10	67.7	27.13	67.7	27.22	67.2	27.17	67.2	26.47	67.2	25.81	66.4	24.90
	-8.5	-9.1	69.0	27.19	69.0	27.28	68.5	26.81	68.5	26.12	68.3	25.46	67.5	24.57
	-7.0	-7.6	70.9	27.28	70.9	26.76	70.5	26.28	70.5	25.59	70.5	24.94	69.3	24.07
	-5.0	-5.6	73.5	26.62	73.5	26.07	73.0	25.57	73.0	24.89	73.0	24.24	71.7	23.41
	-3.0	-3.7	76.1	25.96	76.1	25.38	75.6	24.85	75.6	24.18	75.6	23.54	74.0	22.75
	0.0	-0.7	80.0	24.96	80.0	24.34	79.5	23.78	79.5	23.13	79.5	22.49	77.5	21.76
	3.0	2.2	83.9	23.97	83.9	23.30	83.4	22.71	83.4	22.07	83.4	21.45	78.2	20.77
	5.0	4.1	86.5	23.31	86.5	22.61	86.0	22.00	86.0	21.37	84.0	20.75	78.2	20.11
	7.0	6.0	89.1	22.65	89.1	21.92	88.5	21.28	87.1	20.66	84.0	20.05	78.2	19.45
	9.0	7.9	89.6	22.11	89.6	21.40	89.3	20.77	87.1	20.17	84.0	19.57	78.2	18.98
	11.0	9.8	89.6	21.76	89.6	21.06	89.3	20.45	87.1	19.85	84.0	19.26	78.2	18.69
	13.0	11.8	89.6	21.39	89.6	20.70	89.3	20.10	87.1	19.51	84.0	18.93	78.2	18.36
15.0	13.7	89.6	20.98	89.6	20.31	89.3	19.72	87.1	19.14	84.0	18.57	78.2	18.02	
120	-24.8	-25	43.1	26.33	43.1	26.40	42.9	26.52	42.9	26.63	42.9	26.81	42.0	26.93
	-21.8	-22	52.4	26.50	52.4	26.58	52.1	26.70	52.1	26.81	52.1	26.98	51.1	27.10
	-19.8	-20	55.3	26.62	55.3	26.70	54.9	26.81	54.9	26.92	54.9	27.10	53.9	27.22
	-18.8	-19	56.5	26.68	56.5	26.75	56.1	26.87	56.1	26.98	56.1	27.16	55.1	27.28
	-16.7	-17	59.0	26.80	59.0	26.88	58.6	26.99	58.6	27.10	58.6	27.28	57.5	26.64
	-13.7	-15	62.6	26.98	62.6	27.05	62.2	27.17	62.2	27.28	62.2	26.33	61.0	25.73
	-11.8	-13	64.6	27.09	64.6	27.16	64.2	27.28	64.2	26.61	64.2	25.73	63.2	25.15
	-9.8	-11	66.8	27.20	66.8	27.28	66.4	26.54	66.4	25.90	66.4	25.10	65.6	24.54
	-9.5	-10	67.2	27.22	67.2	27.16	66.8	26.43	66.8	25.80	66.8	25.00	65.9	24.45
	-8.5	-9.1	68.5	27.28	68.5	26.78	68.0	26.07	68.0	25.45	68.0	24.69	67.1	24.15
	-7.0	-7.6	70.4	26.71	70.4	26.20	70.0	25.52	70.0	24.92	70.0	24.22	68.8	23.69
	-5.0	-5.6	73.0	25.94	73.0	25.42	72.5	24.78	72.5	24.21	72.5	23.58	71.1	23.09
	-3.0	-3.7	75.6	25.18	75.6	24.65	75.1	24.05	75.1	23.51	75.1	22.95	73.5	22.48
	0.0	-0.7	79.4	24.03	79.4	23.49	78.9	22.94	78.9	22.45	78.9	22.00	73.5	21.57
	3.0	2.2	83.3	22.89	83.3	22.33	82.8	21.84	81.6	21.39	79.1	21.06	73.5	20.66
	5.0	4.1	85.9	22.12	85.9	21.56	84.5	21.11	81.6	20.69	79.1	20.43	73.5	20.05
	7.0	6.0	88.5	21.36	87.9	20.78	84.5	20.37	81.6	19.98	79.1	19.79	73.5	19.44
	9.0	7.9	88.8	20.80	87.9	20.23	84.5	19.83	81.6	19.46	79.1	19.27	73.5	18.93
	11.0	9.8	88.8	20.42	87.9	19.86	84.5	19.47	81.6	19.10	79.1	18.92	73.5	18.58
	13.0	11.8	88.8	20.00	87.9	19.46	84.5	19.08	81.6	18.71	79.1	18.54	73.5	18.20
15.0	13.7	88.8	19.56	87.9	19.03	84.5	18.65	81.6	18.30	79.1	18.13	73.5	17.80	
110	-24.8	-25	42.9	26.40	42.9	26.52	42.6	26.63	42.6	26.81	42.6	26.93	41.8	26.99
	-21.8	-22	52.1	26.58	52.1	26.70	51.8	26.81	51.8	26.98	51.8	27.10	50.8	27.16
	-19.8	-20	55.0	26.70	55.0	26.81	54.7	26.92	54.7	27.10	54.7	27.22	53.6	27.28
	-18.8	-19	56.2	26.75	56.2	26.87	55.8	26.98	55.8	27.16	55.8	27.28	54.8	26.94
	-16.7	-17	58.7	26.88	58.7	26.99	58.3	27.10	58.3	27.28	58.3	26.58	57.2	26.22
	-13.7	-15	62.2	27.05	62.2	27.17	61.9	27.28	61.9	26.23	61.9	25.59	61.9	25.21
	-11.8	-13	64.3	27.16	64.3	27.28	63.9	26.54	63.9	25.57	63.9	24.96	63.9	24.56
	-9.8	-11	66.4	27.28	66.4	26.44	66.0	25.76	66.0	24.87	66.0	24.30	65.5	23.88
	-9.5	-10	66.8	27.14	66.8	26.32	66.4	25.64	66.4	24.76	66.4	24.20	66.1	23.78
	-8.5	-9.1	68.1	26.69	68.1	25.90	67.7	25.26	67.7	24.41	67.7	23.87	66.1	23.44
	-7.0	-7.6	70.0	26.02	70.0	25.28	69.6	24.67	69.6	23.89	69.6	23.38	66.1	22.93
	-5.0	-5.6	72.6	25.12	72.6	24.44	72.1	23.89	72.1	23.19	70.8	22.72	66.1	22.25
	-3.0	-3.7	75.2	24.23	75.2	23.61	74.7	23.12	73.3	22.49	70.8	22.06	66.1	21.57
	0.0	-0.7	79.0	22.88	79.0	22.36	75.8	21.95	73.3	21.44	70.8	21.06	66.1	20.55
	3.0	2.2	82.9	21.54	80.7	21.11	75.8	20.78	73.3	20.39	70.8	20.07	66.1	19.53
	5.0	4.1	85.4	20.64	80.7	20.28	75.8	20.00	73.3	19.69	70.8	19.41	66.1	18.85
	7.0	6.0	85.4	19.74	80.7	19.45	75.8	19.23	73.3	18.99	70.8	18.75	66.1	18.17
	9.0	7.9	85.4	19.13	80.7	18.84	75.8	18.63	73.3	18.41	70.8	18.17	66.1	17.61
	11.0	9.8	85.4	18.69	80.7	18.41	75.8	18.20	73.3	17.98	70.8	17.75	66.1	17.20
	13.0	11.8	85.4	18.21	80.7	17.94	75.8	17.74	73.3	17.52	70.8	17.30	66.1	16.76
15.0	13.7	85.4	17.71	80.7	17.44	75.8	17.24	73.3	17.03	70.8	16.82	66.1	16.30	

# 7. Capacity Tables

Heating Capacity (22HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	42.7	28.89	42.7	28.68	42.4	26.43	42.4	28.15	42.4	27.92	41.6	27.82
	-21.8	-22	51.9	28.57	51.9	28.36	51.6	27.26	51.6	27.83	51.6	27.95	50.6	27.49
	-19.8	-20	54.8	28.36	54.8	28.14	54.4	27.77	54.4	27.61	54.4	27.50	53.4	27.28
	-18.8	-19	55.9	28.25	55.6	28.03	55.6	27.83	55.6	27.50	55.6	27.28	54.5	26.86
	-16.7	-17	58.1	28.02	58.1	27.81	58.1	27.95	57.7	27.28	57.7	26.41	56.6	25.98
	-13.7	-15	61.9	27.70	61.9	27.48	61.6	27.28	61.6	26.03	61.6	25.18	60.4	24.71
	-11.8	-13	63.9	27.49	63.6	27.28	63.6	26.44	63.6	25.24	63.6	24.39	60.4	23.92
	-9.8	-11	66.1	27.28	66.1	26.35	65.7	25.57	65.7	24.40	64.9	23.57	60.4	23.07
	-9.5	-10	66.4	27.13	66.4	26.21	66.1	25.43	66.1	24.28	64.9	23.45	60.4	22.95
	-8.5	-9.1	67.7	26.65	67.7	25.74	67.4	25.00	67.1	23.86	64.9	23.04	60.4	22.53
	-7.0	-7.6	70.8	25.92	70.5	25.04	69.3	24.34	67.1	23.24	64.9	22.42	60.4	21.90
	-5.0	-5.6	73.9	24.94	73.2	24.11	69.3	23.46	67.1	22.40	64.9	21.59	60.4	21.06
	-3.0	-3.7	76.0	23.97	73.7	23.17	69.3	22.58	67.1	21.57	64.9	20.77	60.4	20.22
	0.0	-0.7	78.2	22.51	73.7	21.78	69.3	21.26	67.1	20.32	64.9	19.53	60.4	18.96
	3.0	2.2	78.2	21.06	73.7	20.38	69.3	19.95	67.1	19.07	64.9	18.30	60.4	17.69
	5.0	4.1	78.2	20.08	73.7	19.44	69.3	19.07	67.1	18.24	64.9	17.47	60.4	16.85
	7.0	6.0	78.2	19.11	73.7	18.51	69.3	18.19	67.1	17.40	64.9	16.65	60.4	16.01
	9.0	7.9	78.2	18.44	73.7	17.86	69.3	17.55	67.1	16.79	64.9	16.07	60.4	15.45
	11.0	9.8	78.2	17.93	73.7	17.37	69.3	17.06	67.1	16.33	64.9	15.62	60.4	15.02
	13.0	11.8	78.2	17.38	73.7	16.84	69.3	16.54	67.1	15.83	64.9	15.14	60.4	14.57
15.0	13.7	78.2	16.80	73.7	16.27	69.3	15.99	67.1	15.30	64.9	14.64	60.4	14.08	
90	-24.8	-25	42.5	25.85	42.5	26.03	42.3	26.15	42.3	26.21	42.3	26.32	41.5	26.50
	-21.8	-22	51.7	26.03	51.7	26.20	51.4	26.32	51.4	26.38	51.4	26.50	50.4	25.37
	-19.8	-20	54.5	26.14	54.5	26.32	54.2	26.44	54.2	26.50	54.2	25.73	53.2	24.62
	-18.8	-19	55.9	26.20	55.6	26.38	55.4	26.50	55.4	26.10	55.4	25.35	54.3	24.25
	-16.7	-17	58.1	26.32	58.1	26.50	57.8	26.68	57.8	25.27	57.8	24.54	55.2	23.46
	-13.7	-15	61.9	26.50	61.9	25.29	61.3	24.52	61.3	24.09	59.5	23.39	55.2	22.33
	-11.8	-13	63.9	25.67	63.6	24.52	63.4	23.78	61.4	23.34	59.5	22.66	55.2	21.62
	-9.8	-11	66.1	24.80	66.1	23.71	63.4	23.00	61.4	22.55	59.5	21.89	55.2	20.87
	-9.5	-10	66.4	24.67	66.4	23.59	63.4	22.88	61.4	22.43	59.5	21.78	55.2	20.75
	-8.5	-9.1	67.7	24.23	67.3	23.19	63.4	22.50	61.4	22.03	59.5	21.39	55.2	20.38
	-7.0	-7.6	70.8	23.57	67.4	22.58	63.4	21.91	61.4	21.44	59.5	20.82	55.2	19.82
	-5.0	-5.6	71.6	22.70	67.4	21.77	63.4	21.14	61.4	20.65	59.5	20.05	55.2	19.06
	-3.0	-3.7	71.6	21.83	67.4	20.97	63.4	20.36	61.4	19.86	59.5	19.28	55.2	18.31
	0.0	-0.7	71.6	20.52	67.4	19.75	63.4	19.19	61.4	18.68	59.5	18.13	55.2	17.19
	3.0	2.2	71.6	19.21	67.4	18.54	63.4	18.03	61.4	17.49	59.5	16.97	55.2	16.06
	5.0	4.1	71.6	18.34	67.4	17.74	63.4	17.25	61.4	16.70	59.5	16.21	55.2	15.31
	7.0	6.0	71.6	17.47	67.4	16.93	63.4	16.47	61.4	15.91	59.5	15.44	55.2	14.56
	9.0	7.9	71.6	16.64	67.4	16.13	63.4	15.70	61.4	15.16	59.5	14.71	55.2	13.87
	11.0	9.8	71.6	15.82	67.4	15.33	63.4	14.92	61.4	14.41	59.5	13.98	55.2	13.18
	13.0	11.8	71.6	14.99	67.4	14.53	63.4	14.14	61.4	13.66	59.5	13.25	55.2	12.50
15.0	13.7	71.6	14.17	67.4	13.73	63.4	13.36	61.4	12.91	59.5	12.53	55.2	11.81	
80	-24.8	-25	42.4	22.85	42.4	23.03	42.1	23.15	42.1	23.21	42.1	23.50	41.3	22.51
	-21.8	-22	51.2	23.03	51.2	23.20	51.2	23.32	51.2	23.50	51.2	22.51	49.3	21.55
	-19.8	-20	54.0	23.14	54.0	23.32	54.0	23.50	54.0	22.80	53.0	21.85	49.3	20.92
	-18.8	-19	55.1	23.20	55.1	23.50	55.1	23.14	55.0	22.45	53.0	21.51	49.3	20.60
	-16.7	-17	56.7	23.50	56.7	22.76	56.7	22.40	55.0	21.71	53.0	20.82	49.3	19.93
	-13.7	-15	59.3	22.41	58.1	21.71	56.7	21.34	55.0	20.67	53.0	19.83	49.3	18.98
	-11.8	-13	60.8	21.71	59.0	21.04	56.7	20.67	55.0	20.00	53.0	19.20	49.3	18.38
	-9.8	-11	62.5	20.99	59.9	20.34	56.7	19.96	55.0	19.30	53.0	18.54	49.3	17.74
	-9.5	-10	62.9	20.88	60.2	20.23	56.7	19.85	55.0	19.20	53.0	18.44	49.3	17.65
	-8.5	-9.1	63.5	20.51	60.4	19.88	56.7	19.50	55.0	18.85	53.0	18.11	49.3	17.33
	-7.0	-7.6	64.1	19.97	60.4	19.36	56.7	18.97	55.0	18.33	53.0	17.62	49.3	16.85
	-5.0	-5.6	64.1	19.24	60.4	18.65	56.7	18.26	55.0	17.63	53.0	16.96	49.3	16.22
	-3.0	-3.7	64.1	18.51	60.4	17.95	56.7	17.55	55.0	16.93	53.0	16.30	49.3	15.58
	0.0	-0.7	64.1	17.42	60.4	16.90	56.7	16.49	55.0	15.88	53.0	15.31	49.3	14.63
	3.0	2.2	64.1	16.33	60.4	15.85	56.7	15.43	55.0	14.83	53.0	14.31	49.3	13.68
	5.0	4.1	64.1	15.60	60.4	15.15	56.7	14.73	55.0	14.13	53.0	13.65	49.3	13.04
	7.0	6.0	64.1	14.88	60.4	14.44	56.7	14.02	55.0	13.43	53.0	12.99	49.3	12.41
	9.0	7.9	64.1	13.97	60.4	13.56	56.7	13.16	55.0	12.61	53.0	12.20	49.3	11.65
	11.0	9.8	64.1	12.96	60.4	12.59	56.7	12.22	55.0	11.71	53.0	11.32	49.3	10.81
	13.0	11.8	64.1	12.10	60.4	11.75	56.7	11.40	55.0	10.93	53.0	10.57	49.3	10.09
15.0	13.7	64.1	11.39	60.4	11.06	56.7	10.73	55.0	10.29	53.0	9.95	49.3	9.50	

# 7. Capacity Tables

## Heating Capacity (22HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	42.4	22.60	42.4	22.66	42.1	22.77	42.1	22.95	42.1	21.86	41.3	20.85
	-21.8	-22	48.6	22.77	48.6	22.83	48.3	22.95	46.6	21.86	45.3	20.85	42.2	19.87
	-19.8	-20	52.7	22.89	51.3	22.95	48.3	22.19	46.6	21.14	45.3	20.18	42.2	19.22
	-18.8	-19	54.4	22.95	51.3	22.55	48.3	21.81	46.6	20.78	45.3	19.84	42.2	18.89
	-16.7	-17	54.4	22.13	51.3	21.73	48.3	21.01	46.6	20.02	45.3	19.13	42.2	18.20
	-13.7	-15	54.4	20.97	51.3	20.55	48.3	19.87	46.6	18.94	45.3	18.12	42.2	17.22
	-11.8	-13	54.4	20.24	51.3	19.81	48.3	19.15	46.6	18.26	45.3	17.47	42.2	16.60
	-9.8	-11	54.4	19.46	51.3	19.02	48.3	18.39	46.6	17.53	45.3	16.80	42.2	15.95
	-9.5	-10	54.4	19.34	51.3	18.91	48.3	18.28	46.6	17.43	45.3	16.70	42.2	15.85
	-8.5	-9.1	54.4	18.96	51.3	18.51	48.3	17.90	46.6	17.07	45.3	16.36	42.2	15.53
	-7.0	-7.6	54.4	18.38	51.3	17.93	48.3	17.33	46.6	16.52	45.3	15.85	42.2	15.04
	-5.0	-5.6	54.4	17.60	51.3	17.14	48.3	16.57	46.6	15.80	45.3	15.18	42.2	14.38
	-3.0	-3.7	54.4	16.83	51.3	16.36	48.3	15.81	46.6	15.08	45.3	14.50	42.2	13.73
	0.0	-0.7	54.4	15.67	51.3	15.18	48.3	14.67	46.6	14.00	45.3	13.49	42.2	12.75
	3.0	2.2	54.4	14.50	51.3	14.00	48.3	13.54	46.6	12.92	45.3	12.48	42.2	11.77
	5.0	4.1	54.4	13.73	51.3	13.22	48.3	12.78	46.6	12.19	45.3	11.80	42.2	11.11
	7.0	6.0	54.4	12.95	51.3	12.43	48.3	12.02	46.6	11.47	45.3	11.13	42.2	10.46
9.0	7.9	54.4	11.70	51.3	11.23	48.3	10.85	46.6	10.36	45.3	10.05	42.2	9.45	
11.0	9.8	54.4	10.89	51.3	10.45	48.3	10.10	46.6	9.65	45.3	9.36	42.2	8.80	
13.0	11.8	54.4	10.19	51.3	9.78	48.3	9.45	46.6	9.03	45.3	8.75	42.2	8.23	
15.0	13.7	54.4	9.61	51.3	9.22	48.3	8.91	46.6	8.51	45.3	8.25	42.2	7.76	
60	-24.8	-25	41.6	22.40	41.6	22.52	41.4	22.70	40.0	21.52	38.6	20.42	36.1	19.39
	-21.8	-22	44.6	22.58	44.1	22.70	41.4	21.52	40.0	20.42	38.6	19.39	36.1	18.39
	-19.8	-20	46.6	22.70	44.1	21.87	41.4	20.74	40.0	19.69	38.6	18.70	36.1	17.72
	-18.8	-19	46.6	22.28	44.1	21.45	41.4	20.35	40.0	19.32	38.6	18.35	36.1	17.39
	-16.7	-17	46.6	21.40	44.1	20.58	41.4	19.53	40.0	18.55	38.6	17.63	36.1	16.69
	-13.7	-15	46.6	20.15	44.1	19.34	41.4	18.36	40.0	17.45	38.6	16.60	36.1	15.69
	-11.8	-13	46.6	19.35	44.1	18.55	41.4	17.61	40.0	16.76	38.6	15.94	36.1	15.06
	-9.8	-11	46.6	18.51	44.1	17.72	41.4	16.83	40.0	16.02	38.6	15.25	36.1	14.39
	-9.5	-10	46.6	18.39	44.1	17.60	41.4	16.71	40.0	15.91	38.6	15.15	36.1	14.29
	-8.5	-9.1	46.6	17.97	44.1	17.19	41.4	16.32	40.0	15.55	38.6	14.80	36.1	13.96
	-7.0	-7.6	46.6	17.34	44.1	16.56	41.4	15.74	40.0	15.00	38.6	14.29	36.1	13.46
	-5.0	-5.6	46.6	16.51	44.1	15.74	41.4	14.95	40.0	14.26	38.6	13.60	36.1	12.79
	-3.0	-3.7	46.6	15.67	44.1	14.91	41.4	14.17	40.0	13.53	38.6	12.91	36.1	12.13
	0.0	-0.7	46.6	14.42	44.1	13.66	41.4	13.00	40.0	12.43	38.6	11.87	36.1	11.13
	3.0	2.2	46.6	13.16	44.1	12.42	41.4	11.83	40.0	11.33	38.6	10.84	36.1	10.13
	5.0	4.1	46.6	12.33	44.1	11.59	41.4	11.04	40.0	10.60	38.6	10.15	36.1	9.46
	7.0	6.0	46.6	11.49	44.1	10.76	41.4	10.26	40.0	9.86	38.6	9.46	36.1	8.80
9.0	7.9	46.6	10.25	44.1	9.60	41.4	9.16	40.0	8.80	38.6	8.44	36.1	7.85	
11.0	9.8	46.6	9.57	44.1	8.97	41.4	8.55	40.0	8.22	38.6	7.88	36.1	7.33	
13.0	11.8	46.6	8.97	44.1	8.40	41.4	8.01	40.0	7.70	38.6	7.38	36.1	6.87	
15.0	13.7	46.6	8.48	44.1	7.94	41.4	7.57	40.0	7.27	38.6	6.98	36.1	6.49	
50	-24.8	-25	38.9	19.33	36.7	19.51	34.5	18.48	33.4	17.53	32.3	16.62	30.1	15.78
	-21.8	-22	38.9	19.51	36.7	18.48	34.5	17.53	33.4	16.62	32.3	15.78	30.1	14.97
	-19.8	-20	38.9	18.80	36.7	17.80	34.5	16.89	33.4	16.02	32.3	15.22	30.1	14.43
	-18.8	-19	38.9	18.44	36.7	17.46	34.5	16.57	33.4	15.72	32.3	14.94	30.1	14.16
	-16.7	-17	38.9	17.69	36.7	16.75	34.5	15.91	33.4	15.09	32.3	14.35	30.1	13.59
	-13.7	-15	38.9	16.63	36.7	15.73	34.5	14.95	33.4	14.18	32.3	13.51	30.1	12.78
	-11.8	-13	38.9	15.95	36.7	15.08	34.5	14.35	33.4	13.61	32.3	12.97	30.1	12.27
	-9.8	-11	38.9	15.24	36.7	14.40	34.5	13.71	33.4	13.01	32.3	12.41	30.1	11.72
	-9.5	-10	38.9	15.13	36.7	14.30	34.5	13.61	33.4	12.92	32.3	12.33	30.1	11.64
	-8.5	-9.1	38.9	14.78	36.7	13.96	34.5	13.29	33.4	12.61	32.3	12.05	30.1	11.37
	-7.0	-7.6	38.9	14.25	36.7	13.45	34.5	12.82	33.4	12.16	32.3	11.63	30.1	10.97
	-5.0	-5.6	38.9	13.53	36.7	12.76	34.5	12.18	33.4	11.56	32.3	11.07	30.1	10.43
	-3.0	-3.7	38.9	12.82	36.7	12.08	34.5	11.54	33.4	10.96	32.3	10.50	30.1	9.88
	0.0	-0.7	38.9	11.76	36.7	11.06	34.5	10.59	33.4	10.05	32.3	9.66	30.1	9.07
	3.0	2.2	38.9	10.69	36.7	10.04	34.5	9.63	33.4	9.15	32.3	8.82	30.1	8.26
	5.0	4.1	38.9	9.98	36.7	9.36	34.5	9.00	33.4	8.54	32.3	8.26	30.1	7.72
	7.0	6.0	38.9	9.27	36.7	8.68	34.5	8.36	33.4	7.94	32.3	7.70	30.1	7.18
9.0	7.9	38.9	8.37	36.7	7.84	34.5	7.55	33.4	7.17	32.3	6.95	30.1	6.48	
11.0	9.8	38.9	7.83	36.7	7.33	34.5	7.06	33.4	6.71	32.3	6.50	30.1	6.07	
13.0	11.8	38.9	7.35	36.7	6.89	34.5	6.63	33.4	6.30	32.3	6.11	30.1	5.70	
15.0	13.7	38.9	6.96	36.7	6.52	34.5	6.28	33.4	5.96	32.3	5.78	30.1	5.39	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN240BTE5

Heating Capacity (24HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	45.4	26.73	45.4	26.95	45.1	27.13	45.1	27.42	45.1	27.70	44.3	28.13
	-21.8	-22	56.0	27.16	56.0	27.38	55.6	27.57	55.6	27.86	55.6	28.13	54.5	28.57
	-19.8	-20	59.4	27.45	59.4	27.67	59.0	27.86	59.0	28.15	59.0	28.42	57.9	28.85
	-18.8	-19	60.8	27.60	60.8	27.81	60.4	28.00	60.4	28.29	60.4	28.57	59.2	29.00
	-16.7	-17	63.6	27.90	63.6	28.12	63.2	28.30	63.2	28.59	63.2	28.87	62.0	29.30
	-13.7	-15	67.6	28.33	67.6	28.55	67.2	28.74	67.2	29.03	67.2	29.30	65.9	28.24
	-11.8	-13	69.8	28.61	69.8	28.83	69.4	29.01	69.4	29.30	69.4	28.59	68.4	27.56
	-9.8	-11	72.1	28.90	72.1	29.11	71.7	29.30	71.7	28.55	71.7	27.84	71.0	26.85
	-9.5	-10	72.5	28.94	72.5	29.16	72.1	29.19	72.1	28.43	72.0	27.73	71.4	26.75
	-8.5	-9.1	73.9	29.09	73.9	29.30	73.5	28.80	73.5	28.06	73.2	27.35	72.7	26.39
	-7.0	-7.6	76.0	29.30	76.0	28.75	75.5	28.23	75.5	27.49	75.5	26.79	74.6	25.86
	-5.0	-5.6	78.8	28.59	78.8	28.00	78.3	27.46	78.3	26.73	78.3	26.04	77.2	25.15
	-3.0	-3.7	81.6	27.88	81.6	27.26	81.1	26.70	81.1	25.98	81.1	25.29	79.8	24.44
	0.0	-0.7	85.8	26.82	85.8	26.15	85.2	25.55	85.2	24.84	85.2	24.16	83.8	23.37
	3.0	2.2	90.0	25.75	90.0	25.03	89.4	24.40	89.4	23.71	89.4	23.04	83.9	22.31
	5.0	4.1	92.7	25.04	92.7	24.29	92.2	23.63	92.2	22.95	90.1	22.29	83.9	21.60
	7.0	6.0	95.5	24.33	95.5	23.55	94.9	22.86	93.4	22.20	90.1	21.54	83.9	20.89
9.0	7.9	96.0	23.75	96.0	22.98	95.7	22.32	93.4	21.67	90.1	21.02	83.9	20.39	
11.0	9.8	96.0	23.38	96.0	22.63	95.7	21.97	93.4	21.33	90.1	20.69	83.9	20.07	
13.0	11.8	96.0	22.98	96.0	22.24	95.7	21.59	93.4	20.96	90.1	20.34	83.9	19.73	
15.0	13.7	96.0	22.54	96.0	21.81	95.7	21.18	93.4	20.56	90.1	19.95	83.9	19.35	
120	-24.8	-25	45.1	26.95	45.1	27.13	44.8	27.42	44.8	27.70	44.8	28.13	44.0	28.43
	-21.8	-22	55.6	27.38	55.6	27.57	55.2	27.86	55.2	28.13	55.2	28.57	54.2	28.87
	-19.8	-20	59.0	27.67	59.0	27.86	58.6	28.15	58.6	28.42	58.6	28.85	57.5	29.16
	-18.8	-19	60.3	27.81	60.3	28.00	59.9	28.29	59.9	28.57	59.9	29.00	58.8	29.30
	-16.7	-17	63.1	28.12	63.1	28.30	62.7	28.59	62.7	28.87	62.7	29.30	61.5	28.62
	-13.7	-15	67.1	28.55	67.1	28.74	66.7	29.03	66.7	29.30	66.7	28.28	65.4	27.64
	-11.8	-13	69.3	28.83	69.3	29.01	68.9	29.30	68.9	28.58	68.9	27.64	67.9	27.02
	-9.8	-11	71.6	29.11	71.6	29.30	71.2	28.51	71.2	27.83	71.2	26.96	70.5	26.37
	-9.5	-10	72.0	29.16	72.0	29.18	71.6	28.40	71.6	27.71	71.6	26.86	70.9	26.27
	-8.5	-9.1	73.4	29.30	73.4	28.76	72.9	28.00	72.9	27.33	72.9	26.52	72.1	25.94
	-7.0	-7.6	75.5	28.69	75.5	28.14	75.0	27.41	75.0	26.77	75.0	26.01	74.1	25.45
	-5.0	-5.6	78.3	27.87	78.3	27.31	77.8	26.62	77.8	26.01	77.8	25.33	76.7	24.80
	-3.0	-3.7	81.0	27.05	81.0	26.48	80.5	25.83	80.5	25.25	80.5	24.66	78.8	24.15
	0.0	-0.7	85.2	25.82	85.2	25.23	84.6	24.65	84.6	24.12	84.6	23.64	78.8	23.17
	3.0	2.2	89.3	24.59	89.3	23.99	88.8	23.46	87.5	22.98	84.8	22.62	78.8	22.19
	5.0	4.1	92.1	23.77	92.1	23.16	90.5	22.67	87.5	22.22	84.8	21.94	78.8	21.54
	7.0	6.0	94.9	22.95	94.3	22.32	90.5	21.88	87.5	21.47	84.8	21.26	78.8	20.88
9.0	7.9	95.3	22.34	94.3	21.73	90.5	21.31	87.5	20.90	84.8	20.70	78.8	20.33	
11.0	9.8	95.3	21.93	94.3	21.34	90.5	20.92	87.5	20.52	84.8	20.32	78.8	19.96	
13.0	11.8	95.3	21.49	94.3	20.90	90.5	20.49	87.5	20.10	84.8	19.91	78.8	19.56	
15.0	13.7	95.3	21.01	94.3	20.44	90.5	20.04	87.5	19.66	84.8	19.47	78.8	19.12	
110	-24.8	-25	44.9	27.13	44.9	27.42	44.6	27.70	44.6	28.13	44.6	28.43	43.7	28.58
	-21.8	-22	55.3	27.57	55.3	27.86	54.9	28.13	54.9	28.57	54.9	28.87	53.9	29.01
	-19.8	-20	58.7	27.86	58.7	28.15	58.3	28.42	58.3	28.85	58.3	29.16	57.2	29.30
	-18.8	-19	60.0	28.00	60.0	28.29	59.6	28.57	59.6	29.00	59.6	29.30	58.5	28.94
	-16.7	-17	62.8	28.30	62.8	28.59	62.4	28.87	62.4	29.30	62.4	28.56	61.2	28.17
	-13.7	-15	66.7	28.74	66.7	29.03	66.3	29.30	66.3	28.18	66.3	27.49	66.3	27.08
	-11.8	-13	68.9	29.01	68.9	29.30	68.5	28.51	68.5	27.46	68.5	26.82	68.5	26.38
	-9.8	-11	71.2	29.30	71.2	28.41	70.8	27.67	70.8	26.71	70.8	26.11	70.5	25.65
	-9.5	-10	71.6	29.16	71.6	28.27	71.2	27.55	71.2	26.60	71.2	26.00	70.9	25.54
	-8.5	-9.1	73.0	28.68	73.0	27.83	72.6	27.13	72.6	26.22	72.6	25.65	70.9	25.18
	-7.0	-7.6	75.1	27.95	75.1	27.15	74.6	26.50	74.6	25.66	74.6	25.11	70.9	24.63
	-5.0	-5.6	77.8	26.99	77.8	26.26	77.3	25.67	77.3	24.91	75.9	24.40	70.9	23.90
	-3.0	-3.7	80.6	26.03	80.6	25.36	80.1	24.83	78.6	24.16	75.9	23.69	70.9	23.17
	0.0	-0.7	84.7	24.58	84.7	24.02	81.2	23.58	78.6	23.03	75.9	22.63	70.9	22.07
	3.0	2.2	88.8	23.13	86.6	22.68	81.2	22.33	78.6	21.90	75.9	21.56	70.9	20.98
	5.0	4.1	91.6	22.17	86.6	21.78	81.2	21.49	78.6	21.15	75.9	20.85	70.9	20.25
	7.0	6.0	91.6	21.21	86.6	20.89	81.2	20.65	78.6	20.40	75.9	20.14	70.9	19.52
9.0	7.9	91.6	20.55	86.6	20.24	81.2	20.02	78.6	19.77	75.9	19.52	70.9	18.92	
11.0	9.8	91.6	20.08	86.6	19.77	81.2	19.55	78.6	19.31	75.9	19.07	70.9	18.48	
13.0	11.8	91.6	19.56	86.6	19.27	81.2	19.05	78.6	18.82	75.9	18.58	70.9	18.01	
15.0	13.7	91.6	19.02	86.6	18.73	81.2	18.52	78.6	18.30	75.9	18.06	70.9	17.51	

# 7. Capacity Tables

Heating Capacity (24HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	44.7	30.12	44.7	30.01	44.4	28.00	44.4	29.75	44.4	29.63	43.5	29.58
	-21.8	-22	55.0	29.96	55.0	29.85	54.7	28.88	54.7	29.58	54.7	29.88	53.6	29.41
	-19.8	-20	58.4	29.85	58.4	29.74	58.1	29.44	58.1	29.47	58.1	29.50	57.0	29.30
	-18.8	-19	59.7	29.79	59.4	29.69	59.4	29.58	59.4	29.42	59.4	29.30	58.2	28.85
	-16.7	-17	62.1	29.68	62.1	29.57	62.1	29.88	61.8	29.30	61.8	28.37	60.6	27.90
	-13.7	-15	66.4	29.52	66.4	29.41	66.0	29.30	66.0	27.96	66.0	27.05	64.8	26.55
	-11.8	-13	68.6	29.41	68.2	29.30	68.2	28.41	68.2	27.11	68.2	26.21	64.8	25.69
	-9.8	-11	70.8	29.30	70.8	28.30	70.5	27.46	70.5	26.21	69.5	25.32	64.8	24.79
	-9.5	-10	71.2	29.15	71.2	28.15	70.9	27.32	70.9	26.08	69.5	25.19	64.8	24.65
	-8.5	-9.1	72.6	28.62	72.6	27.65	72.3	26.85	71.9	25.63	69.5	24.74	64.8	24.20
	-7.0	-7.6	75.9	27.84	75.6	26.90	74.3	26.14	71.9	24.96	69.5	24.08	64.8	23.52
	-5.0	-5.6	79.2	26.80	78.4	25.90	74.3	25.20	71.9	24.07	69.5	23.20	64.8	22.62
	-3.0	-3.7	81.5	25.75	79.1	24.89	74.3	24.26	71.9	23.17	69.5	22.31	64.8	21.72
	0.0	-0.7	83.8	24.19	79.1	23.39	74.3	22.84	71.9	21.83	69.5	20.98	64.8	20.36
	3.0	2.2	83.8	22.62	79.1	21.89	74.3	21.43	71.9	20.48	69.5	19.66	64.8	19.01
	5.0	4.1	83.8	21.57	79.1	20.89	74.3	20.48	71.9	19.59	69.5	18.77	64.8	18.10
	7.0	6.0	83.8	20.53	79.1	19.89	74.3	19.54	71.9	18.69	69.5	17.89	64.8	17.20
	9.0	7.9	83.8	19.81	79.1	19.19	74.3	18.86	71.9	18.04	69.5	17.26	64.8	16.60
	11.0	9.8	83.8	19.26	79.1	18.66	74.3	18.33	71.9	17.54	69.5	16.78	64.8	16.14
	13.0	11.8	83.8	18.67	79.1	18.09	74.3	17.77	71.9	17.00	69.5	16.27	64.8	15.65
15.0	13.7	83.8	18.05	79.1	17.48	74.3	17.18	71.9	16.43	69.5	15.72	64.8	15.12	
90	-24.8	-25	44.5	26.73	44.5	27.16	44.2	27.47	44.2	27.61	44.2	27.90	43.4	28.33
	-21.8	-22	54.8	27.16	54.8	27.60	54.5	27.90	54.5	28.04	54.5	28.33	53.4	27.14
	-19.8	-20	58.2	27.45	58.2	27.88	57.8	28.19	57.8	28.33	57.8	27.52	56.7	26.34
	-18.8	-19	59.7	27.60	59.4	28.03	59.1	28.33	59.1	27.91	59.1	27.11	58.0	25.94
	-16.7	-17	62.1	27.90	62.1	28.33	61.9	27.47	61.9	27.03	61.9	26.25	59.2	25.10
	-13.7	-15	66.4	28.33	66.4	27.05	65.8	26.23	65.8	25.77	63.8	25.03	59.2	23.90
	-11.8	-13	68.6	27.45	68.2	26.23	67.9	25.45	65.9	24.98	63.8	24.25	59.2	23.14
	-9.8	-11	70.8	26.53	70.8	25.38	68.0	24.62	65.9	24.14	63.8	23.44	59.2	22.35
	-9.5	-10	71.2	26.39	71.2	25.25	68.0	24.50	65.9	24.01	63.8	23.32	59.2	22.23
	-8.5	-9.1	72.6	25.93	72.1	24.82	68.0	24.09	65.9	23.59	63.8	22.91	59.2	21.83
	-7.0	-7.6	75.9	25.24	72.2	24.18	68.0	23.47	65.9	22.96	63.8	22.30	59.2	21.23
	-5.0	-5.6	76.7	24.31	72.2	23.32	68.0	22.64	65.9	22.13	63.8	21.48	59.2	20.43
	-3.0	-3.7	76.7	23.39	72.2	22.47	68.0	21.82	65.9	21.29	63.8	20.66	59.2	19.63
	0.0	-0.7	76.7	22.00	72.2	21.18	68.0	20.58	65.9	20.03	63.8	19.44	59.2	18.43
	3.0	2.2	76.7	20.61	72.2	19.90	68.0	19.35	65.9	18.77	63.8	18.22	59.2	17.24
	5.0	4.1	76.7	19.69	72.2	19.04	68.0	18.52	65.9	17.93	63.8	17.40	59.2	16.44
	7.0	6.0	76.7	18.76	72.2	18.18	68.0	17.70	65.9	17.09	63.8	16.58	59.2	15.64
	9.0	7.9	76.7	17.89	72.2	17.34	68.0	16.87	65.9	16.30	63.8	15.81	59.2	14.91
	11.0	9.8	76.7	17.01	72.2	16.49	68.0	16.05	65.9	15.50	63.8	15.04	59.2	14.18
	13.0	11.8	76.7	16.14	72.2	15.64	68.0	15.22	65.9	14.70	63.8	14.27	59.2	13.45
15.0	13.7	76.7	15.27	72.2	14.80	68.0	14.40	65.9	13.91	63.8	13.49	59.2	12.72	
80	-24.8	-25	44.3	23.52	44.3	23.95	44.0	24.26	44.0	24.40	44.0	25.12	43.2	24.07
	-21.8	-22	54.2	23.95	54.2	24.39	54.2	24.69	54.2	25.12	54.2	24.07	52.9	23.06
	-19.8	-20	57.6	24.24	57.6	24.68	57.6	25.12	57.6	24.38	56.9	23.37	52.9	22.38
	-18.8	-19	58.9	24.39	58.9	25.12	58.9	24.75	58.9	24.01	56.9	23.02	52.9	22.04
	-16.7	-17	60.8	25.12	60.8	24.34	60.8	23.96	59.0	23.23	56.9	22.28	52.9	21.33
	-13.7	-15	63.6	23.97	62.3	23.22	60.8	22.83	59.0	22.12	56.9	21.23	52.9	20.32
	-11.8	-13	65.1	23.23	63.2	22.52	60.8	22.12	59.0	21.41	56.9	20.56	52.9	19.68
	-9.8	-11	66.8	22.46	64.1	21.77	60.8	21.37	59.0	20.67	56.9	19.86	52.9	19.00
	-9.5	-10	67.3	22.35	64.5	21.66	60.8	21.26	59.0	20.56	56.9	19.75	52.9	18.90
	-8.5	-9.1	68.0	21.96	64.8	21.29	60.8	20.88	59.0	20.19	56.9	19.40	52.9	18.56
	-7.0	-7.6	68.7	21.38	64.8	20.73	60.8	20.32	59.0	19.63	56.9	18.87	52.9	18.06
	-5.0	-5.6	68.7	20.61	64.8	19.98	60.8	19.56	59.0	18.89	56.9	18.17	52.9	17.38
	-3.0	-3.7	68.7	19.84	64.8	19.24	60.8	18.81	59.0	18.14	56.9	17.47	52.9	16.71
	0.0	-0.7	68.7	18.68	64.8	18.12	60.8	17.69	59.0	17.03	56.9	16.42	52.9	15.69
	3.0	2.2	68.7	17.52	64.8	17.01	60.8	16.56	59.0	15.92	56.9	15.36	52.9	14.68
	5.0	4.1	68.7	16.75	64.8	16.26	60.8	15.81	59.0	15.17	56.9	14.66	52.9	14.00
	7.0	6.0	68.7	15.98	64.8	15.52	60.8	15.06	59.0	14.43	56.9	13.96	52.9	13.33
	9.0	7.9	68.7	15.01	64.8	14.57	60.8	14.14	59.0	13.55	56.9	13.11	52.9	12.51
	11.0	9.8	68.7	13.93	64.8	13.52	60.8	13.12	59.0	12.58	56.9	12.16	52.9	11.61
	13.0	11.8	68.7	13.00	64.8	12.62	60.8	12.25	59.0	11.74	56.9	11.35	52.9	10.84
15.0	13.7	68.7	12.24	64.8	11.88	60.8	11.53	59.0	11.05	56.9	10.69	52.9	10.21	

# 7. Capacity Tables

Heating Capacity (24HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	44.3	23.67	44.3	23.81	44.0	24.10	44.0	24.54	44.0	23.38	43.2	22.31
	-21.8	-22	52.1	24.10	52.1	24.25	51.8	24.54	50.0	23.38	48.5	22.31	45.3	21.26
	-19.8	-20	57.3	24.39	55.0	24.54	51.8	23.73	50.0	22.62	48.5	21.59	45.3	20.56
	-18.8	-19	58.3	24.54	55.0	24.12	51.8	23.32	50.0	22.23	48.5	21.23	45.3	20.22
	-16.7	-17	58.3	23.67	55.0	23.24	51.8	22.48	50.0	21.43	48.5	20.47	45.3	19.49
	-13.7	-15	58.3	22.44	55.0	21.99	51.8	21.27	50.0	20.27	48.5	19.39	45.3	18.44
	-11.8	-13	58.3	21.65	55.0	21.20	51.8	20.50	50.0	19.54	48.5	18.71	45.3	17.78
	-9.8	-11	58.3	20.83	55.0	20.36	51.8	19.69	50.0	18.78	48.5	17.99	45.3	17.08
	-9.5	-10	58.3	20.71	55.0	20.24	51.8	19.57	50.0	18.66	48.5	17.88	45.3	16.98
	-8.5	-9.1	58.3	20.30	55.0	19.82	51.8	19.17	50.0	18.28	48.5	17.52	45.3	16.63
	-7.0	-7.6	58.3	19.68	55.0	19.20	51.8	18.56	50.0	17.70	48.5	16.99	45.3	16.11
	-5.0	-5.6	58.3	18.85	55.0	18.36	51.8	17.75	50.0	16.93	48.5	16.27	45.3	15.41
	-3.0	-3.7	58.3	18.03	55.0	17.53	51.8	16.95	50.0	16.16	48.5	15.55	45.3	14.72
	0.0	-0.7	58.3	16.80	55.0	16.28	51.8	15.73	50.0	15.01	48.5	14.47	45.3	13.67
	3.0	2.2	58.3	15.56	55.0	15.02	51.8	14.52	50.0	13.86	48.5	13.39	45.3	12.63
	5.0	4.1	58.3	14.74	55.0	14.19	51.8	13.72	50.0	13.09	48.5	12.67	45.3	11.93
	7.0	6.0	58.3	13.92	55.0	13.36	51.8	12.91	50.0	12.32	48.5	11.95	45.3	11.24
9.0	7.9	58.3	12.57	55.0	12.06	51.8	11.66	50.0	11.13	48.5	10.79	45.3	10.15	
11.0	9.8	58.3	11.70	55.0	11.23	51.8	10.85	50.0	10.36	48.5	10.05	45.3	9.45	
13.0	11.8	58.3	10.95	55.0	10.51	51.8	10.15	50.0	9.70	48.5	9.40	45.3	8.84	
15.0	13.7	58.3	10.32	55.0	9.91	51.8	9.57	50.0	9.14	48.5	8.86	45.3	8.33	
60	-24.8	-25	44.3	23.38	44.3	23.67	44.0	24.10	42.9	22.87	41.4	21.71	38.8	20.62
	-21.8	-22	47.7	23.81	47.3	24.10	44.4	22.87	42.9	21.71	41.4	20.62	38.8	19.57
	-19.8	-20	50.0	24.10	47.3	23.23	44.4	22.05	42.9	20.94	41.4	19.89	38.8	18.86
	-18.8	-19	50.0	23.66	47.3	22.80	44.4	21.63	42.9	20.55	41.4	19.53	38.8	18.51
	-16.7	-17	50.0	22.74	47.3	21.88	44.4	20.77	42.9	19.74	41.4	18.77	38.8	17.78
	-13.7	-15	50.0	21.43	47.3	20.58	44.4	19.54	42.9	18.58	41.4	17.68	38.8	16.72
	-11.8	-13	50.0	20.59	47.3	19.75	44.4	18.76	42.9	17.85	41.4	16.99	38.8	16.05
	-9.8	-11	50.0	19.71	47.3	18.88	44.4	17.93	42.9	17.08	41.4	16.26	38.8	15.35
	-9.5	-10	50.0	19.58	47.3	18.75	44.4	17.81	42.9	16.96	41.4	16.15	38.8	15.25
	-8.5	-9.1	50.0	19.14	47.3	18.31	44.4	17.40	42.9	16.58	41.4	15.79	38.8	14.89
	-7.0	-7.6	50.0	18.49	47.3	17.66	44.4	16.78	42.9	16.00	41.4	15.25	38.8	14.37
	-5.0	-5.6	50.0	17.61	47.3	16.79	44.4	15.96	42.9	15.23	41.4	14.52	38.8	13.67
	-3.0	-3.7	50.0	16.73	47.3	15.92	44.4	15.14	42.9	14.45	41.4	13.79	38.8	12.96
	0.0	-0.7	50.0	15.41	47.3	14.61	44.4	13.90	42.9	13.30	41.4	12.70	38.8	11.91
	3.0	2.2	50.0	14.10	47.3	13.30	44.4	12.67	42.9	12.14	41.4	11.62	38.8	10.86
	5.0	4.1	50.0	13.22	47.3	12.43	44.4	11.85	42.9	11.37	41.4	10.89	38.8	10.15
	7.0	6.0	50.0	12.34	47.3	11.56	44.4	11.02	42.9	10.59	41.4	10.16	38.8	9.45
9.0	7.9	50.0	11.01	47.3	10.32	44.4	9.84	42.9	9.45	41.4	9.07	38.8	8.43	
11.0	9.8	50.0	10.28	47.3	9.63	44.4	9.18	42.9	8.83	41.4	8.47	38.8	7.87	
13.0	11.8	50.0	9.63	47.3	9.02	44.4	8.60	42.9	8.27	41.4	7.93	38.8	7.38	
15.0	13.7	50.0	9.10	47.3	8.53	44.4	8.13	42.9	7.81	41.4	7.50	38.8	6.97	
50	-24.8	-25	41.7	20.42	39.3	20.86	37.0	19.77	35.8	18.75	34.6	17.79	32.2	16.89
	-21.8	-22	41.7	20.86	39.3	19.77	37.0	18.75	35.8	17.79	34.6	16.89	32.2	16.02
	-19.8	-20	41.7	20.10	39.3	19.04	37.0	18.07	35.8	17.14	34.6	16.29	32.2	15.45
	-18.8	-19	41.7	19.72	39.3	18.68	37.0	17.73	35.8	16.82	34.6	15.99	32.2	15.16
	-16.7	-17	41.7	18.93	39.3	17.92	37.0	17.02	35.8	16.15	34.6	15.36	32.2	14.55
	-13.7	-15	41.7	17.79	39.3	16.83	37.0	16.00	35.8	15.18	34.6	14.46	32.2	13.69
	-11.8	-13	41.7	17.07	39.3	16.14	37.0	15.36	35.8	14.57	34.6	13.89	32.2	13.14
	-9.8	-11	41.7	16.31	39.3	15.42	37.0	14.68	35.8	13.93	34.6	13.30	32.2	12.56
	-9.5	-10	41.7	16.20	39.3	15.31	37.0	14.58	35.8	13.83	34.6	13.21	32.2	12.47
	-8.5	-9.1	41.7	15.82	39.3	14.94	37.0	14.24	35.8	13.51	34.6	12.91	32.2	12.18
	-7.0	-7.6	41.7	15.26	39.3	14.40	37.0	13.73	35.8	13.03	34.6	12.46	32.2	11.75
	-5.0	-5.6	41.7	14.50	39.3	13.68	37.0	13.05	35.8	12.39	34.6	11.86	32.2	11.17
	-3.0	-3.7	41.7	13.74	39.3	12.95	37.0	12.37	35.8	11.74	34.6	11.26	32.2	10.60
	0.0	-0.7	41.7	12.61	39.3	11.86	37.0	11.35	35.8	10.78	34.6	10.36	32.2	9.73
	3.0	2.2	41.7	11.47	39.3	10.77	37.0	10.34	35.8	9.82	34.6	9.46	32.2	8.87
	5.0	4.1	41.7	10.71	39.3	10.05	37.0	9.66	35.8	9.17	34.6	8.87	32.2	8.29
	7.0	6.0	41.7	9.96	39.3	9.32	37.0	8.98	35.8	8.53	34.6	8.27	32.2	7.71
9.0	7.9	41.7	8.99	39.3	8.42	37.0	8.11	35.8	7.70	34.6	7.47	32.2	6.96	
11.0	9.8	41.7	8.41	39.3	7.88	37.0	7.59	35.8	7.21	34.6	6.99	32.2	6.52	
13.0	11.8	41.7	7.90	39.3	7.40	37.0	7.12	35.8	6.77	34.6	6.56	32.2	6.12	
15.0	13.7	41.7	7.47	39.3	7.00	37.0	6.74	35.8	6.40	34.6	6.21	32.2	5.79	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN260BTE5

Heating Capacity (26HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	46.6	27.75	46.6	27.98	46.3	28.18	46.3	28.48	46.3	28.76	45.4	29.21
	-21.8	-22	56.6	28.21	56.6	28.43	56.2	28.63	56.2	28.93	56.2	29.21	55.2	29.66
	-19.8	-20	59.7	28.51	59.7	28.73	59.3	28.93	59.3	29.23	59.3	29.51	58.2	29.96
	-18.8	-19	61.0	28.66	61.0	28.88	60.6	29.08	60.6	29.38	60.6	29.66	59.5	30.11
	-16.7	-17	63.7	28.97	63.7	29.20	63.3	29.39	63.3	29.69	63.3	29.98	62.1	30.43
	-13.7	-15	67.6	29.42	67.6	29.65	67.2	29.84	67.2	30.14	67.2	30.43	65.9	29.32
	-11.8	-13	69.8	29.71	69.8	29.93	69.4	30.13	69.4	30.43	69.4	29.69	68.3	28.62
	-9.8	-11	72.1	30.01	72.1	30.23	71.7	30.43	71.7	29.64	71.7	28.91	70.8	27.88
	-9.5	-10	72.5	30.05	72.5	30.28	72.1	30.31	72.1	29.52	72.0	28.79	71.2	27.77
	-8.5	-9.1	73.9	30.20	73.9	30.43	73.5	29.91	73.5	29.13	73.2	28.40	72.4	27.40
	-7.0	-7.6	76.0	30.43	76.0	29.85	75.5	29.31	75.5	28.54	75.5	27.82	74.3	26.85
	-5.0	-5.6	78.8	29.69	78.8	29.08	78.3	28.52	78.3	27.76	78.3	27.04	76.8	26.11
	-3.0	-3.7	81.6	28.95	81.6	28.31	81.1	27.72	81.1	26.97	81.1	26.26	79.3	25.38
	0.0	-0.7	85.8	27.85	85.8	27.15	85.2	26.53	85.2	25.80	85.2	25.09	83.1	24.27
	3.0	2.2	90.0	26.74	90.0	25.99	89.4	25.33	89.4	24.62	89.4	23.92	83.9	23.17
	5.0	4.1	92.7	26.00	92.7	25.22	92.2	24.54	92.2	23.83	90.1	23.14	83.9	22.43
	7.0	6.0	95.5	25.26	95.5	24.45	94.9	23.74	93.4	23.05	90.1	22.36	83.9	21.69
9.0	7.9	96.0	24.66	96.0	23.87	95.7	23.17	93.4	22.50	90.1	21.83	83.9	21.17	
11.0	9.8	96.0	24.28	96.0	23.49	95.7	22.81	93.4	22.15	90.1	21.49	83.9	20.84	
13.0	11.8	96.0	23.86	96.0	23.09	95.7	22.42	93.4	21.77	90.1	21.12	83.9	20.48	
15.0	13.7	96.0	23.41	96.0	22.65	95.7	21.99	93.4	21.35	90.1	20.72	83.9	20.10	
120	-24.8	-25	46.2	27.98	46.2	28.18	45.9	28.48	45.9	28.76	45.9	29.21	45.1	29.53
	-21.8	-22	56.2	28.43	56.2	28.63	55.8	28.93	55.8	29.21	55.8	29.66	54.8	29.98
	-19.8	-20	59.3	28.73	59.3	28.93	58.9	29.23	58.9	29.51	58.9	29.96	57.8	30.28
	-18.8	-19	60.6	28.88	60.6	29.08	60.2	29.38	60.2	29.66	60.2	30.11	59.0	30.43
	-16.7	-17	63.3	29.20	63.3	29.39	62.9	29.69	62.9	29.98	62.9	30.43	61.7	29.72
	-13.7	-15	67.1	29.65	67.1	29.84	66.7	30.14	66.7	30.43	66.7	29.37	65.4	28.70
	-11.8	-13	69.3	29.93	69.3	30.13	68.9	30.43	68.9	29.68	68.9	28.70	67.8	28.06
	-9.8	-11	71.6	30.23	71.6	30.43	71.2	29.61	71.2	28.89	71.2	28.00	70.3	27.38
	-9.5	-10	72.0	30.28	72.0	30.30	71.6	29.48	71.6	28.78	71.6	27.89	70.7	27.28
	-8.5	-9.1	73.4	30.43	73.4	29.87	72.9	29.08	72.9	28.38	72.9	27.54	71.9	26.94
	-7.0	-7.6	75.5	29.79	75.5	29.22	75.0	28.46	75.0	27.79	75.0	27.01	73.8	26.43
	-5.0	-5.6	78.3	28.94	78.3	28.36	77.8	27.64	77.8	27.01	77.8	26.31	76.3	25.75
	-3.0	-3.7	81.0	28.09	81.0	27.49	80.5	26.82	80.5	26.22	80.5	25.60	78.8	25.07
	0.0	-0.7	85.2	26.81	85.2	26.20	84.6	25.59	84.6	25.04	84.6	24.55	78.8	24.06
	3.0	2.2	89.3	25.53	89.3	24.91	88.8	24.36	87.5	23.86	84.8	23.49	78.8	23.04
	5.0	4.1	92.1	24.68	92.1	24.04	90.5	23.54	87.5	23.08	84.8	22.78	78.8	22.36
	7.0	6.0	94.9	23.83	94.3	23.18	90.5	22.72	87.5	22.29	84.8	22.08	78.8	21.69
9.0	7.9	95.3	23.20	94.3	22.57	90.5	22.12	87.5	21.70	84.8	21.50	78.8	21.11	
11.0	9.8	95.3	22.77	94.3	22.15	90.5	21.72	87.5	21.30	84.8	21.10	78.8	20.73	
13.0	11.8	95.3	22.31	94.3	21.71	90.5	21.28	87.5	20.87	84.8	20.68	78.8	20.31	
15.0	13.7	95.3	21.82	94.3	21.23	90.5	20.81	87.5	20.41	84.8	20.22	78.8	19.86	
110	-24.8	-25	46.0	28.18	46.0	28.48	45.7	28.76	45.7	29.21	45.7	29.53	44.8	29.68
	-21.8	-22	55.9	28.63	55.9	28.93	55.5	29.21	55.5	29.66	55.5	29.98	54.5	30.13
	-19.8	-20	59.0	28.93	59.0	29.23	58.6	29.51	58.6	29.96	58.6	30.28	57.5	30.43
	-18.8	-19	60.2	29.08	60.2	29.38	59.9	29.66	59.9	30.11	59.9	30.43	58.7	30.05
	-16.7	-17	62.9	29.39	62.9	29.69	62.5	29.98	62.5	30.43	62.5	29.65	61.3	29.25
	-13.7	-15	66.7	29.84	66.7	30.14	66.3	30.43	66.3	29.26	66.3	28.55	66.3	28.11
	-11.8	-13	68.9	30.13	68.9	30.43	68.5	29.60	68.5	28.52	68.5	27.85	68.5	27.39
	-9.8	-11	71.2	30.43	71.2	29.50	70.8	28.74	70.8	27.74	70.8	27.11	70.3	26.64
	-9.5	-10	71.6	30.28	71.6	29.36	71.2	28.61	71.2	27.62	71.2	27.00	70.9	26.52
	-8.5	-9.1	73.0	29.78	73.0	28.89	72.6	28.17	72.6	27.23	72.6	26.63	70.9	26.14
	-7.0	-7.6	75.1	29.03	75.1	28.20	74.6	27.52	74.6	26.64	74.6	26.08	70.9	25.58
	-5.0	-5.6	77.8	28.03	77.8	27.27	77.3	26.65	77.3	25.87	75.9	25.34	70.9	24.82
	-3.0	-3.7	80.6	27.02	80.6	26.34	80.1	25.79	78.6	25.09	75.9	24.60	70.9	24.06
	0.0	-0.7	84.7	25.52	84.7	24.94	81.2	24.48	78.6	23.92	75.9	23.50	70.9	22.92
	3.0	2.2	88.8	24.02	86.6	23.55	81.2	23.18	78.6	22.75	75.9	22.39	70.9	21.78
	5.0	4.1	91.6	23.02	86.6	22.62	81.2	22.31	78.6	21.97	75.9	21.65	70.9	21.03
	7.0	6.0	91.6	22.02	86.6	21.69	81.2	21.45	78.6	21.19	75.9	20.91	70.9	20.27
9.0	7.9	91.6	21.34	86.6	21.02	81.2	20.78	78.6	20.53	75.9	20.27	70.9	19.64	
11.0	9.8	91.6	20.85	86.6	20.53	81.2	20.30	78.6	20.06	75.9	19.87	70.9	19.19	
13.0	11.8	91.6	20.32	86.6	20.01	81.2	19.79	78.6	19.55	75.9	19.29	70.9	18.70	
15.0	13.7	91.6	19.75	86.6	19.45	81.2	19.23	78.6	19.00	75.9	18.76	70.9	18.18	

# 7. Capacity Tables

Heating Capacity (26HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	45.8	31.28	45.8	31.16	45.5	29.08	45.5	30.89	45.5	30.77	44.6	30.71
	-21.8	-22	55.7	31.11	55.7	30.99	55.3	29.99	55.3	30.72	55.3	31.03	54.3	30.54
	-19.8	-20	58.7	30.99	58.7	30.88	58.4	30.57	58.4	30.60	58.4	30.63	57.2	30.43
	-18.8	-19	60.0	30.94	59.6	30.82	59.6	30.72	59.6	30.55	59.6	30.43	58.5	29.96
	-16.7	-17	62.3	30.82	62.3	30.71	62.3	31.03	61.9	30.43	61.9	29.46	60.7	28.97
	-13.7	-15	66.4	30.65	66.4	30.54	66.0	30.43	66.0	29.03	66.0	28.08	64.8	27.57
	-11.8	-13	68.6	30.54	68.2	30.43	68.2	29.50	68.2	28.15	68.2	27.21	64.8	26.68
	-9.8	-11	70.8	30.43	70.8	29.39	70.5	28.52	70.5	27.22	69.5	26.29	64.8	25.74
	-9.5	-10	71.2	30.26	71.2	29.23	70.9	28.37	70.9	27.08	69.5	26.15	64.8	25.60
	-8.5	-9.1	72.6	29.72	72.6	28.71	72.3	27.88	71.9	26.62	69.5	25.69	64.8	25.13
	-7.0	-7.6	75.9	28.91	75.6	27.93	74.3	27.15	71.9	25.92	69.5	25.01	64.8	24.43
	-5.0	-5.6	79.2	27.82	78.4	26.89	74.3	26.17	71.9	24.99	69.5	24.09	64.8	23.49
	-3.0	-3.7	81.5	26.74	79.1	25.85	74.3	25.19	71.9	24.06	69.5	23.17	64.8	22.55
	0.0	-0.7	83.8	25.11	79.1	24.29	74.3	23.72	71.9	22.66	69.5	21.79	64.8	21.14
	3.0	2.2	83.8	23.49	79.1	22.73	74.3	22.25	71.9	21.27	69.5	20.41	64.8	19.74
	5.0	4.1	83.8	22.40	79.1	21.69	74.3	21.27	71.9	20.34	69.5	19.49	64.8	18.80
	7.0	6.0	83.8	21.32	79.1	20.65	74.3	20.29	71.9	19.41	69.5	18.57	64.8	17.86
	9.0	7.9	83.8	20.57	79.1	19.93	74.3	19.58	71.9	18.73	69.5	17.92	64.8	17.24
11.0	9.8	83.8	20.00	79.1	19.37	74.3	19.04	71.9	18.21	69.5	17.42	64.8	16.76	
13.0	11.8	83.8	19.39	79.1	18.78	74.3	18.45	71.9	17.66	69.5	16.89	64.8	16.25	
15.0	13.7	83.8	18.74	79.1	18.15	74.3	17.84	71.9	17.07	69.5	16.33	64.8	15.70	
90	-24.8	-25	45.6	27.75	45.6	28.20	45.3	28.52	45.3	28.67	45.3	28.97	44.5	29.42
	-21.8	-22	55.4	28.20	55.4	28.65	55.1	28.97	55.1	29.12	55.1	29.42	54.0	28.18
	-19.8	-20	58.5	28.50	58.5	28.95	58.1	29.27	58.1	29.42	58.1	28.57	57.0	27.35
	-18.8	-19	60.0	28.65	59.6	29.11	59.4	29.42	59.4	28.98	59.4	28.15	58.2	26.93
	-16.7	-17	62.3	28.97	62.3	29.42	62.0	28.52	62.0	28.07	62.0	27.26	59.2	26.06
	-13.7	-15	66.4	29.42	66.4	28.09	65.8	27.24	65.8	26.76	63.8	25.99	59.2	24.82
	-11.8	-13	68.6	28.51	68.2	27.24	67.9	26.42	65.9	25.94	63.8	25.18	59.2	24.03
	-9.8	-11	70.8	27.55	70.8	26.35	68.0	25.57	65.9	25.07	63.8	24.34	59.2	23.20
	-9.5	-10	71.2	27.40	71.2	26.22	68.0	25.44	65.9	24.93	63.8	24.21	59.2	23.08
	-8.5	-9.1	72.6	26.92	72.1	25.77	68.0	25.01	65.9	24.50	63.8	23.79	59.2	22.66
	-7.0	-7.6	75.9	26.20	72.2	25.11	68.0	24.37	65.9	23.85	63.8	23.15	59.2	22.04
	-5.0	-5.6	76.7	25.24	72.2	24.22	68.0	23.51	65.9	22.97	63.8	22.30	59.2	21.21
	-3.0	-3.7	76.7	24.28	72.2	23.33	68.0	22.66	65.9	22.10	63.8	21.46	59.2	20.38
	0.0	-0.7	76.7	22.84	72.2	22.00	68.0	21.37	65.9	20.80	63.8	20.19	59.2	19.14
	3.0	2.2	76.7	21.40	72.2	20.66	68.0	20.09	65.9	19.49	63.8	18.92	59.2	17.90
	5.0	4.1	76.7	20.44	72.2	19.77	68.0	19.23	65.9	18.62	63.8	18.07	59.2	17.07
	7.0	6.0	76.7	19.48	72.2	18.88	68.0	18.38	65.9	17.75	63.8	17.22	59.2	16.24
	9.0	7.9	76.7	18.57	72.2	18.00	68.0	17.52	65.9	16.92	63.8	16.42	59.2	15.48
11.0	9.8	76.7	17.67	72.2	17.12	68.0	16.66	65.9	16.09	63.8	15.62	59.2	14.73	
13.0	11.8	76.7	16.76	72.2	16.24	68.0	15.81	65.9	15.27	63.8	14.81	59.2	13.97	
15.0	13.7	76.7	15.85	72.2	15.36	68.0	14.95	65.9	14.44	63.8	14.01	59.2	13.21	
80	-24.8	-25	45.4	24.42	45.4	24.87	45.1	25.19	45.1	25.34	45.1	26.09	44.3	24.99
	-21.8	-22	54.9	24.87	54.9	25.32	54.9	25.64	54.9	26.09	54.9	24.99	52.9	23.94
	-19.8	-20	57.9	25.17	57.9	25.62	57.9	26.09	57.9	25.32	56.9	24.26	52.9	23.24
	-18.8	-19	59.1	25.32	59.1	26.09	59.1	25.70	59.0	24.93	56.9	23.90	52.9	22.89
	-16.7	-17	60.8	26.09	60.8	25.28	60.8	24.88	59.0	24.12	56.9	23.13	52.9	22.15
	-13.7	-15	63.6	24.89	62.3	24.12	60.8	23.71	59.0	22.97	56.9	22.04	52.9	21.10
	-11.8	-13	65.2	24.12	63.3	23.38	60.8	22.97	59.0	22.23	56.9	21.35	52.9	20.43
	-9.8	-11	67.0	23.32	64.2	22.61	60.8	22.19	59.0	21.46	56.9	20.62	52.9	19.73
	-9.5	-10	67.4	23.20	64.5	22.49	60.8	22.07	59.0	21.35	56.9	20.51	52.9	19.63
	-8.5	-9.1	68.1	22.80	64.8	22.11	60.8	21.68	59.0	20.96	56.9	20.14	52.9	19.28
	-7.0	-7.6	68.7	22.20	64.8	21.53	60.8	21.10	59.0	20.38	56.9	19.60	52.9	18.75
	-5.0	-5.6	68.7	21.40	64.8	20.75	60.8	20.32	59.0	19.61	56.9	18.87	52.9	18.05
	-3.0	-3.7	68.7	20.60	64.8	19.98	60.8	19.54	59.0	18.84	56.9	18.14	52.9	17.35
	0.0	-0.7	68.7	19.40	64.8	18.82	60.8	18.37	59.0	17.68	56.9	17.05	52.9	16.29
	3.0	2.2	68.7	18.20	64.8	17.66	60.8	17.20	59.0	16.53	56.9	15.95	52.9	15.24
	5.0	4.1	68.7	17.40	64.8	16.89	60.8	16.42	59.0	15.76	56.9	15.22	52.9	14.54
	7.0	6.0	68.7	16.59	64.8	16.11	60.8	15.64	59.0	14.99	56.9	14.49	52.9	13.84
	9.0	7.9	68.7	15.58	64.8	15.13	60.8	14.68	59.0	14.07	56.9	13.61	52.9	12.99
11.0	9.8	68.7	14.46	64.8	14.04	60.8	13.63	59.0	13.06	56.9	12.63	52.9	12.06	
13.0	11.8	68.7	13.50	64.8	13.11	60.8	12.72	59.0	12.19	56.9	11.79	52.9	11.26	
15.0	13.7	68.7	12.71	64.8	12.34	60.8	11.97	59.0	11.48	56.9	11.10	52.9	10.60	

# 7. Capacity Tables

## Heating Capacity (26HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	45.4	24.58	45.4	24.73	45.1	25.03	45.1	25.48	45.1	24.28	44.3	23.16
	-21.8	-22	52.1	25.03	52.1	25.18	51.8	25.48	50.0	24.28	48.5	23.16	45.3	22.08
	-19.8	-20	56.5	25.33	55.0	25.48	51.8	24.64	50.0	23.48	48.5	22.41	45.3	21.35
	-18.8	-19	58.3	25.48	55.0	25.04	51.8	24.22	50.0	23.08	48.5	22.04	45.3	20.99
	-16.7	-17	58.3	24.58	55.0	24.13	51.8	23.34	50.0	22.25	48.5	21.26	45.3	20.23
	-13.7	-15	58.3	23.30	55.0	22.84	51.8	22.08	50.0	21.05	48.5	20.14	45.3	19.15
	-11.8	-13	58.3	22.49	55.0	22.01	51.8	21.29	50.0	20.29	48.5	19.43	45.3	18.46
	-9.8	-11	58.3	21.63	55.0	21.15	51.8	20.45	50.0	19.50	48.5	18.68	45.3	17.74
	-9.5	-10	58.3	21.50	55.0	21.02	51.8	20.32	50.0	19.38	48.5	18.57	45.3	17.63
	-8.5	-9.1	58.3	21.07	55.0	20.58	51.8	19.90	50.0	18.98	48.5	18.20	45.3	17.27
	-7.0	-7.6	58.3	20.43	55.0	19.93	51.8	19.27	50.0	18.38	48.5	17.64	45.3	16.73
	-5.0	-5.6	58.3	19.58	55.0	19.07	51.8	18.43	50.0	17.58	48.5	16.89	45.3	16.01
	-3.0	-3.7	58.3	18.72	55.0	18.20	51.8	17.60	50.0	16.79	48.5	16.14	45.3	15.28
	0.0	-0.7	58.3	17.44	55.0	16.90	51.8	16.34	50.0	15.59	48.5	15.02	45.3	14.20
	3.0	2.2	58.3	16.16	55.0	15.60	51.8	15.08	50.0	14.39	48.5	13.90	45.3	13.11
	5.0	4.1	58.3	15.30	55.0	14.74	51.8	14.24	50.0	13.60	48.5	13.16	45.3	12.39
	7.0	6.0	58.3	14.45	55.0	13.87	51.8	13.40	50.0	12.80	48.5	12.41	45.3	11.67
	9.0	7.9	58.3	13.05	55.0	12.52	51.8	12.10	50.0	11.56	48.5	11.21	45.3	10.54
11.0	9.8	58.3	12.15	55.0	11.66	51.8	11.27	50.0	10.76	48.5	10.44	45.3	9.81	
13.0	11.8	58.3	11.37	55.0	10.91	51.8	10.54	50.0	10.07	48.5	9.76	45.3	9.18	
15.0	13.7	58.3	10.72	55.0	10.29	51.8	9.94	50.0	9.49	48.5	9.20	45.3	8.65	
60	-24.8	-25	44.7	24.28	44.7	24.58	44.4	25.03	42.9	23.75	41.4	22.54	38.8	21.41
	-21.8	-22	47.9	24.73	47.3	25.03	44.4	23.75	42.9	22.54	41.4	21.41	38.8	20.32
	-19.8	-20	50.0	25.03	47.3	24.12	44.4	22.89	42.9	21.74	41.4	20.66	38.8	19.59
	-18.8	-19	50.0	24.57	47.3	23.67	44.4	22.46	42.9	21.34	41.4	20.28	38.8	19.22
	-16.7	-17	50.0	23.61	47.3	22.72	44.4	21.57	42.9	20.50	41.4	19.49	38.8	18.46
	-13.7	-15	50.0	22.25	47.3	21.36	44.4	20.29	42.9	19.30	41.4	18.36	38.8	17.36
	-11.8	-13	50.0	21.38	47.3	20.51	44.4	19.48	42.9	18.54	41.4	17.64	38.8	16.67
	-9.8	-11	50.0	20.47	47.3	19.60	44.4	18.62	42.9	17.73	41.4	16.89	38.8	15.94
	-9.5	-10	50.0	20.33	47.3	19.47	44.4	18.49	42.9	17.61	41.4	16.77	38.8	15.83
	-8.5	-9.1	50.0	19.88	47.3	19.01	44.4	18.07	42.9	17.21	41.4	16.40	38.8	15.47
	-7.0	-7.6	50.0	19.20	47.3	18.34	44.4	17.43	42.9	16.61	41.4	15.83	38.8	14.92
	-5.0	-5.6	50.0	18.28	47.3	17.43	44.4	16.57	42.9	15.81	41.4	15.08	38.8	14.19
	-3.0	-3.7	50.0	17.37	47.3	16.53	44.4	15.72	42.9	15.01	41.4	14.32	38.8	13.46
	0.0	-0.7	50.0	16.01	47.3	15.17	44.4	14.44	42.9	13.81	41.4	13.19	38.8	12.37
	3.0	2.2	50.0	14.64	47.3	13.81	44.4	13.15	42.9	12.60	41.4	12.06	38.8	11.27
	5.0	4.1	50.0	13.73	47.3	12.91	44.4	12.30	42.9	11.80	41.4	11.31	38.8	10.54
	7.0	6.0	50.0	12.82	47.3	12.01	44.4	11.45	42.9	11.00	41.4	10.55	38.8	9.81
	9.0	7.9	50.0	11.44	47.3	10.71	44.4	10.21	42.9	9.82	41.4	9.42	38.8	8.76
11.0	9.8	50.0	10.68	47.3	10.00	44.4	9.54	42.9	9.16	41.4	8.79	38.8	8.18	
13.0	11.8	50.0	10.00	47.3	9.37	44.4	8.93	42.9	8.59	41.4	8.24	38.8	7.66	
15.0	13.7	50.0	9.45	47.3	8.86	44.4	8.44	42.9	8.11	41.4	7.78	38.8	7.24	
50	-24.8	-25	41.7	21.21	39.3	21.66	37.0	20.53	35.8	19.47	34.6	18.47	32.2	17.54
	-21.8	-22	41.7	21.66	39.3	20.53	37.0	19.47	35.8	18.47	34.6	17.54	32.2	16.64
	-19.8	-20	41.7	20.87	39.3	19.77	37.0	18.77	35.8	17.80	34.6	16.91	32.2	16.04
	-18.8	-19	41.7	20.48	39.3	19.40	37.0	18.41	35.8	17.47	34.6	16.60	32.2	15.74
	-16.7	-17	41.7	19.65	39.3	18.61	37.0	17.67	35.8	16.77	34.6	15.95	32.2	15.11
	-13.7	-15	41.7	18.47	39.3	17.48	37.0	16.62	35.8	15.77	34.6	15.02	32.2	14.21
	-11.8	-13	41.7	17.73	39.3	16.76	37.0	15.95	35.8	15.13	34.6	14.43	32.2	13.64
	-9.8	-11	41.7	16.94	39.3	16.01	37.0	15.24	35.8	14.46	34.6	13.81	32.2	13.04
	-9.5	-10	41.7	16.82	39.3	15.89	37.0	15.14	35.8	14.36	34.6	13.71	32.2	12.95
	-8.5	-9.1	41.7	16.43	39.3	15.52	37.0	14.78	35.8	14.03	34.6	13.40	32.2	12.65
	-7.0	-7.6	41.7	15.84	39.3	14.95	37.0	14.26	35.8	13.53	34.6	12.94	32.2	12.20
	-5.0	-5.6	41.7	15.05	39.3	14.20	37.0	13.55	35.8	12.86	34.6	12.31	32.2	11.60
	-3.0	-3.7	41.7	14.27	39.3	13.45	37.0	12.85	35.8	12.20	34.6	11.69	32.2	11.00
	0.0	-0.7	41.7	13.09	39.3	12.32	37.0	11.79	35.8	11.19	34.6	10.76	32.2	10.11
	3.0	2.2	41.7	11.91	39.3	11.19	37.0	10.73	35.8	10.19	34.6	9.83	32.2	9.21
	5.0	4.1	41.7	11.13	39.3	10.43	37.0	10.03	35.8	9.53	34.6	9.21	32.2	8.61
	7.0	6.0	41.7	10.34	39.3	9.68	37.0	9.32	35.8	8.86	34.6	8.58	32.2	8.01
	9.0	7.9	41.7	9.34	39.3	8.74	37.0	8.42	35.8	8.00	34.6	7.75	32.2	7.23
11.0	9.8	41.7	8.74	39.3	8.18	37.0	7.88	35.8	7.48	34.6	7.25	32.2	6.77	
13.0	11.8	41.7	8.20	39.3	7.68	37.0	7.40	35.8	7.03	34.6	6.81	32.2	6.35	
15.0	13.7	41.7	7.76	39.3	7.27	37.0	7.00	35.8	6.65	34.6	6.44	32.2	6.01	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## 7.2.2 2 Units Combination

### ◆ ARUN221BTE5

Heating Capacity (22HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	44.3	21.55	44.3	21.88	44.0	22.15	44.0	22.58	44.0	22.98	43.4	23.62
	-21.8	-22	53.1	22.20	53.1	22.52	52.8	22.79	52.8	23.22	52.8	23.62	52.1	24.26
	-19.8	-20	55.7	22.62	55.7	22.94	55.3	23.22	55.3	23.64	55.3	24.04	54.6	24.68
	-18.8	-19	56.9	22.83	56.9	23.15	56.5	23.43	56.5	23.85	56.5	24.26	55.7	24.90
	-16.7	-17	59.3	23.28	59.3	23.60	58.9	23.88	58.9	24.30	58.9	24.70	58.0	25.34
	-13.7	-15	62.7	23.92	62.7	24.23	62.4	24.51	62.4	24.93	62.4	25.34	61.4	24.09
	-11.8	-13	64.7	24.32	64.7	24.64	64.3	24.92	64.3	25.34	64.3	24.48	63.6	23.30
	-9.8	-11	66.7	24.74	66.7	25.06	66.2	25.34	66.2	24.39	66.2	23.57	65.5	22.47
	-9.5	-10	67.1	24.81	67.1	25.13	66.7	25.19	66.7	24.25	66.6	23.44	65.9	22.34
	-8.5	-9.1	68.6	25.02	68.6	25.34	68.2	24.69	68.2	23.78	67.6	22.99	66.9	21.93
	-7.0	-7.6	70.9	25.34	70.9	24.58	70.4	23.94	70.4	23.07	70.4	22.31	69.0	21.30
	-5.0	-5.6	73.9	24.29	73.9	23.56	73.4	22.94	73.4	22.12	73.4	21.40	71.2	20.47
	-3.0	-3.7	77.0	23.25	77.0	22.54	76.4	21.94	76.4	21.18	76.4	20.49	73.5	19.64
	0.0	-0.7	81.4	21.68	81.4	21.01	81.0	20.44	81.0	19.76	81.0	19.13	76.6	18.40
	3.0	2.2	85.9	20.12	85.9	19.49	85.4	18.94	85.4	18.34	83.9	17.78	77.9	17.14
	5.0	4.1	88.4	19.08	88.4	18.47	88.0	17.94	86.8	17.40	84.0	16.87	78.3	16.31
	7.0	6.0	89.6	18.03	89.6	17.45	89.2	16.94	87.1	16.45	84.0	15.96	78.3	15.48
	9.0	7.9	89.6	17.13	89.6	16.58	89.3	16.10	87.1	15.64	84.0	15.16	78.3	14.71
11.0	9.8	89.6	16.38	89.6	15.85	89.3	15.39	87.1	14.94	84.0	14.49	78.3	14.07	
13.0	11.8	89.6	15.58	89.6	15.08	89.3	14.64	87.1	14.21	84.0	13.79	78.3	13.38	
15.0	13.7	89.6	14.73	89.6	14.26	89.3	13.85	87.1	13.44	84.0	13.04	78.3	12.66	
120	-24.8	-25	44.0	21.88	44.0	22.15	43.7	22.58	43.7	22.98	43.7	23.62	43.1	24.07
	-21.8	-22	52.8	22.52	52.8	22.79	52.4	23.22	52.4	23.62	52.4	24.26	51.7	24.70
	-19.8	-20	55.3	22.94	55.3	23.22	55.0	23.64	55.0	24.04	55.0	24.68	54.2	25.13
	-18.8	-19	56.5	23.15	56.5	23.43	56.1	23.85	56.1	24.26	56.1	24.90	55.3	25.34
	-16.7	-17	58.9	23.60	58.9	23.88	58.5	24.30	58.5	24.70	58.5	25.34	57.6	24.53
	-13.7	-15	62.2	24.23	62.2	24.51	61.9	24.93	61.9	25.34	61.9	24.13	61.0	23.39
	-11.8	-13	64.2	24.64	64.2	24.92	63.8	25.34	63.8	24.47	63.8	23.36	63.1	22.66
	-9.8	-11	66.2	25.06	66.2	25.34	65.8	24.37	65.8	23.56	65.8	22.55	65.1	21.90
	-9.5	-10	66.7	25.13	66.7	25.18	66.3	24.22	66.3	23.43	66.3	22.43	65.5	21.78
	-8.5	-9.1	68.2	25.34	68.2	24.66	67.7	23.74	67.7	22.97	67.6	22.03	66.8	21.40
	-7.0	-7.6	70.4	24.53	70.4	23.87	70.0	23.01	70.0	22.29	69.4	21.42	68.5	20.83
	-5.0	-5.6	73.4	23.46	73.4	22.82	72.9	22.04	72.9	21.38	72.9	20.61	70.8	20.06
	-3.0	-3.7	76.4	22.38	76.4	21.78	75.9	21.07	75.9	20.47	75.9	19.80	72.4	19.30
	0.0	-0.7	80.8	20.77	80.8	20.21	80.3	19.62	80.3	19.09	78.9	18.59	73.5	18.15
	3.0	2.2	85.3	19.16	85.3	18.64	83.9	18.16	81.6	17.73	78.9	17.38	73.5	17.01
	5.0	4.1	87.8	18.08	87.3	17.59	84.5	17.19	81.6	16.82	79.1	16.57	73.5	16.24
	7.0	6.0	88.9	17.00	88.0	16.55	84.5	16.22	81.6	15.91	79.1	15.76	73.5	15.48
	9.0	7.9	88.9	16.14	88.0	15.71	84.5	15.40	81.6	15.10	79.1	14.96	73.5	14.70
11.0	9.8	88.9	15.42	88.0	15.00	84.5	14.71	81.6	14.42	79.1	14.28	73.5	14.03	
13.0	11.8	88.9	14.65	88.0	14.26	84.5	13.97	81.6	13.70	79.1	13.57	73.5	13.33	
15.0	13.7	88.9	13.84	88.0	13.47	84.5	13.20	81.6	12.95	79.1	12.83	73.5	12.60	
110	-24.8	-25	43.7	22.15	43.7	22.58	43.5	22.98	43.5	23.62	43.5	24.07	42.9	24.27
	-21.8	-22	52.5	22.79	52.5	23.22	52.2	23.62	52.2	24.26	52.2	24.70	51.5	24.92
	-19.8	-20	55.0	23.22	55.0	23.64	54.7	24.04	54.7	24.68	54.7	25.13	53.9	25.34
	-18.8	-19	56.1	23.43	56.1	23.85	55.8	24.26	55.8	24.90	55.8	25.34	55.0	24.93
	-16.7	-17	58.6	23.88	58.6	24.30	58.2	24.70	58.2	25.34	58.2	24.49	57.3	24.08
	-13.7	-15	62.0	24.51	62.0	24.93	61.5	25.34	61.5	24.04	61.5	23.28	61.5	22.87
	-11.8	-13	63.9	24.92	63.9	25.34	63.4	24.42	63.4	23.23	63.4	22.51	63.4	22.09
	-9.8	-11	65.8	25.34	65.8	24.29	65.5	23.45	65.5	22.37	65.5	21.70	64.9	21.28
	-9.5	-10	66.3	25.17	66.3	24.13	65.9	23.31	65.9	22.24	65.9	21.59	65.6	21.16
	-8.5	-9.1	67.8	24.60	67.8	23.61	67.3	22.82	67.3	21.81	67.3	21.18	66.2	20.76
	-7.0	-7.6	70.0	23.73	70.0	22.83	69.6	22.09	69.6	21.15	69.6	20.58	66.2	20.14
	-5.0	-5.6	73.0	22.59	73.0	21.77	72.5	21.12	72.5	20.30	70.8	19.77	66.2	19.34
	-3.0	-3.7	75.9	21.45	75.9	20.72	75.3	20.15	73.3	19.44	70.8	18.96	66.2	18.52
	0.0	-0.7	80.4	19.73	80.0	19.15	75.7	18.70	73.3	18.14	70.8	17.75	66.2	17.30
	3.0	2.2	84.4	18.01	80.7	17.57	75.7	17.25	73.3	16.85	70.8	16.54	66.2	16.09
	5.0	4.1	85.4	16.86	80.7	16.53	75.7	16.27	73.3	15.98	70.8	15.73	66.2	15.28
	7.0	6.0	85.4	15.72	80.7	15.48	75.7	15.31	73.3	15.12	70.8	14.93	66.2	14.46
	9.0	7.9	85.4	14.86	80.7	14.64	75.7	14.48	73.3	14.30	70.8	14.12	66.2	13.68
11.0	9.8	85.4	14.14	80.7	13.93	75.7	13.76	73.3	13.60	70.8	13.42	66.2	13.01	
13.0	11.8	85.4	13.37	80.7	13.17	75.7	13.02	73.3	12.86	70.8	12.69	66.2	12.30	
15.0	13.7	85.4	12.55	80.7	12.37	75.7	12.23	73.3	12.08	70.8	11.92	66.2	11.55	

# 7. Capacity Tables

Heating Capacity (22HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	43.5	24.10	43.5	24.27	43.3	23.48	43.3	24.67	43.3	24.85	42.7	24.93
	-21.8	-22	52.2	24.35	52.2	24.52	52.0	24.22	52.0	24.92	52.0	25.37	51.2	25.17
	-19.8	-20	54.8	24.52	54.8	24.69	54.4	24.71	54.4	25.09	54.4	25.35	53.7	25.34
	-18.8	-19	55.9	24.60	55.5	24.77	55.5	24.92	55.5	25.17	55.5	25.34	54.8	24.87
	-16.7	-17	58.0	24.77	58.0	24.94	58.0	25.37	57.6	25.34	57.6	24.36	56.7	23.88
	-13.7	-15	61.6	25.02	61.6	25.19	61.3	25.34	61.3	23.89	61.3	22.95	60.5	22.47
	-11.8	-13	63.5	25.17	63.2	25.34	63.2	24.35	63.2	22.96	63.2	22.06	60.5	21.58
	-9.8	-11	65.5	25.34	65.5	24.21	65.2	23.30	65.2	21.99	64.9	21.13	60.5	20.64
	-9.5	-10	66.0	25.15	66.0	24.04	65.6	23.13	65.6	21.85	64.9	20.98	60.5	20.50
	-8.5	-9.1	67.5	24.55	67.5	23.48	67.1	22.61	67.1	21.36	64.9	20.52	60.5	20.03
	-7.0	-7.6	70.8	23.65	70.5	22.64	69.3	21.82	67.1	20.63	64.9	19.81	60.5	19.33
	-5.0	-5.6	73.9	22.44	73.2	21.50	69.3	20.78	67.1	19.67	64.9	18.87	60.5	18.39
	-3.0	-3.7	76.1	21.24	73.7	20.38	69.3	19.73	67.1	18.70	64.9	17.94	60.5	17.45
	0.0	-0.7	78.1	19.43	73.7	18.69	69.3	18.15	67.1	17.25	64.9	16.53	60.5	16.04
	3.0	2.2	78.1	17.63	73.7	16.99	69.3	16.58	67.1	15.79	64.9	15.13	60.5	14.62
	5.0	4.1	78.1	16.42	73.7	15.86	69.3	15.53	67.1	14.82	64.9	14.19	60.5	13.68
	7.0	6.0	78.1	15.22	73.7	14.74	69.3	14.48	67.1	13.86	64.9	13.26	60.5	12.74
	9.0	7.9	78.1	14.15	73.7	13.71	69.3	13.47	67.1	12.88	64.9	12.33	60.5	11.85
	11.0	9.8	78.1	13.18	73.7	12.78	69.3	12.55	67.1	12.01	64.9	11.49	60.5	11.05
	13.0	11.8	78.1	12.17	73.7	11.79	69.3	11.59	67.1	11.08	64.9	10.61	60.5	10.20
15.0	13.7	78.1	11.12	73.7	10.77	69.3	10.58	67.1	10.13	64.9	9.69	60.5	9.32	
90	-24.8	-25	43.3	21.69	43.3	22.33	43.1	22.77	43.1	22.99	43.1	23.42	42.5	24.05
	-21.8	-22	52.0	22.33	52.0	22.96	51.8	23.42	51.8	23.62	51.8	24.05	51.0	22.88
	-19.8	-20	54.6	22.76	54.6	23.39	54.2	23.84	54.2	24.05	54.2	23.24	53.5	22.09
	-18.8	-19	55.9	22.96	55.5	23.61	55.3	24.05	55.3	23.62	55.3	22.82	54.5	21.69
	-16.7	-17	58.0	23.42	58.0	24.05	57.7	23.16	57.7	22.74	57.7	21.97	55.2	20.87
	-13.7	-15	61.6	24.05	61.6	22.71	61.1	21.89	60.9	21.46	59.4	20.75	55.2	19.70
	-11.8	-13	63.5	23.12	63.2	21.87	62.9	21.08	61.4	20.65	59.4	19.96	55.2	18.95
	-9.8	-11	65.5	22.14	65.5	20.97	63.4	20.24	61.4	19.80	59.4	19.15	55.2	18.17
	-9.5	-10	66.0	21.99	66.0	20.84	63.4	20.11	61.4	19.68	59.4	19.03	55.2	18.06
	-8.5	-9.1	67.5	21.51	66.9	20.39	63.4	19.68	61.4	19.25	59.4	18.62	55.2	17.66
	-7.0	-7.6	70.8	20.77	67.3	19.73	63.4	19.04	61.4	18.61	59.4	18.00	55.2	17.07
	-5.0	-5.6	71.5	19.79	67.3	18.83	63.4	18.20	61.4	17.77	59.4	17.19	55.2	16.29
	-3.0	-3.7	71.5	18.81	67.3	17.94	63.4	17.35	61.4	16.91	59.4	16.37	55.2	15.51
	0.0	-0.7	71.5	17.33	67.3	16.60	63.4	16.08	61.4	15.64	59.4	15.15	55.2	14.34
	3.0	2.2	71.5	15.87	67.3	15.26	63.4	14.81	61.4	14.36	59.4	13.92	55.2	13.15
	5.0	4.1	71.5	14.89	67.3	14.37	63.4	13.96	61.4	13.51	59.4	13.11	55.2	12.37
	7.0	6.0	71.5	13.91	67.3	13.48	63.4	13.12	61.4	12.67	59.4	12.29	55.2	11.59
	9.0	7.9	71.5	13.01	67.3	12.60	63.4	12.27	61.4	11.84	59.4	11.50	55.2	10.84
	11.0	9.8	71.5	12.11	67.3	11.73	63.4	11.42	61.4	11.03	59.4	10.71	55.2	10.09
	13.0	11.8	71.5	11.21	67.3	10.87	63.4	10.57	61.4	10.21	59.4	9.90	55.2	9.34
15.0	13.7	71.5	10.31	67.3	9.99	63.4	9.72	61.4	9.39	59.4	9.11	55.2	8.59	
80	-24.8	-25	43.2	18.96	43.2	19.60	42.9	20.05	42.9	20.26	42.9	21.33	42.3	20.29
	-21.8	-22	51.5	19.60	51.5	20.25	51.5	20.69	51.5	21.33	51.5	20.29	49.3	19.31
	-19.8	-20	54.0	20.03	54.0	20.67	54.0	21.33	53.7	20.58	52.8	19.60	49.3	18.65
	-18.8	-19	55.1	20.25	55.1	21.33	55.1	20.94	54.4	20.22	53.0	19.25	49.3	18.32
	-16.7	-17	56.7	21.33	56.7	20.52	56.7	20.15	55.0	19.44	53.0	18.53	49.3	17.63
	-13.7	-15	59.3	20.13	58.1	19.38	56.7	19.02	55.0	18.33	53.0	17.49	49.3	16.65
	-11.8	-13	61.0	19.36	59.2	18.66	56.7	18.29	55.0	17.63	53.0	16.84	49.3	16.03
	-9.8	-11	62.6	18.57	60.0	17.89	56.7	17.53	55.0	16.90	53.0	16.15	49.3	15.38
	-9.5	-10	63.0	18.44	60.2	17.78	56.7	17.42	55.0	16.79	53.0	16.04	49.3	15.28
	-8.5	-9.1	63.6	18.05	60.5	17.40	56.7	17.04	55.0	16.41	53.0	15.69	49.3	14.95
	-7.0	-7.6	64.1	17.44	60.5	16.83	56.7	16.47	55.0	15.86	53.0	15.18	49.3	14.46
	-5.0	-5.6	64.1	16.65	60.5	16.07	56.7	15.71	55.0	15.13	53.0	14.49	49.3	13.81
	-3.0	-3.7	64.1	15.84	60.5	15.30	56.7	14.95	55.0	14.38	53.0	13.79	49.3	13.15
	0.0	-0.7	64.1	14.64	60.5	14.16	56.7	13.81	55.0	13.28	53.0	12.76	49.3	12.17
	3.0	2.2	64.1	13.44	60.5	13.02	56.7	12.68	55.0	12.17	53.0	11.73	49.3	11.19
	5.0	4.1	64.1	12.64	60.5	12.26	56.7	11.92	55.0	11.44	53.0	11.04	49.3	10.53
	7.0	6.0	64.1	11.84	60.5	11.50	56.7	11.16	55.0	10.69	53.0	10.34	49.3	9.88
	9.0	7.9	64.1	11.12	60.5	10.79	56.7	10.48	55.0	10.05	53.0	9.71	49.3	9.27
	11.0	9.8	64.1	10.32	60.5	10.02	56.7	9.72	55.0	9.32	53.0	9.01	49.3	8.60
	13.0	11.8	64.1	9.64	60.5	9.36	56.7	9.08	55.0	8.70	53.0	8.41	49.3	8.03
15.0	13.7	64.1	9.07	60.5	8.81	56.7	8.55	55.0	8.19	53.0	7.92	49.3	7.57	

# 7. Capacity Tables

Heating Capacity (22HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	43.2	19.40	43.2	19.60	42.9	20.04	42.9	20.67	42.9	19.58	42.2	18.57
	-21.8	-22	48.6	20.04	48.6	20.25	48.2	20.67	46.6	19.58	45.3	18.57	42.2	17.61
	-19.8	-20	52.2	20.46	51.3	20.67	48.2	19.90	46.6	18.85	45.3	17.90	42.2	16.96
	-18.8	-19	53.7	20.67	51.3	20.27	48.2	19.51	46.6	18.50	45.3	17.56	42.2	16.64
	-16.7	-17	54.3	19.83	51.3	19.43	48.2	18.70	46.6	17.73	45.3	16.85	42.2	15.96
	-13.7	-15	54.3	18.63	51.3	18.22	48.2	17.55	46.6	16.65	45.3	15.84	42.2	15.00
	-11.8	-13	54.3	17.86	51.3	17.46	48.2	16.82	46.6	15.95	45.3	15.20	42.2	14.39
	-9.8	-11	54.3	17.06	51.3	16.65	48.2	16.05	46.6	15.23	45.3	14.52	42.2	13.74
	-9.5	-10	54.3	16.93	51.3	16.53	48.2	15.93	46.6	15.12	45.3	14.42	42.2	13.64
	-8.5	-9.1	54.3	16.54	51.3	16.13	48.2	15.55	46.6	14.76	45.3	14.09	42.2	13.32
	-7.0	-7.6	54.3	15.93	51.3	15.52	48.2	14.96	46.6	14.21	45.3	13.58	42.2	12.84
	-5.0	-5.6	54.3	15.13	51.3	14.72	48.2	14.19	46.6	13.49	45.3	12.91	42.2	12.20
	-3.0	-3.7	54.3	14.32	51.3	13.92	48.2	13.42	46.6	12.76	45.3	12.23	42.2	11.54
	0.0	-0.7	54.3	13.12	51.3	12.71	48.2	12.27	46.6	11.67	45.3	11.22	42.2	10.58
	3.0	2.2	54.3	11.92	51.3	11.50	48.2	11.11	46.6	10.59	45.3	10.20	42.2	9.62
	5.0	4.1	54.3	11.12	51.3	10.70	48.2	10.34	46.6	9.86	45.3	9.54	42.2	8.97
	7.0	6.0	54.3	10.31	51.3	9.90	48.2	9.57	46.6	9.13	45.3	8.86	42.2	8.33
	9.0	7.9	54.3	9.31	51.3	8.93	48.2	8.64	46.6	8.24	45.3	8.00	42.2	7.52
	11.0	9.8	54.3	8.67	51.3	8.32	48.2	8.05	46.6	7.67	45.3	7.45	42.2	7.00
	13.0	11.8	54.3	8.12	51.3	7.79	48.2	7.53	46.6	7.19	45.3	6.97	42.2	6.55
15.0	13.7	54.3	7.65	51.3	7.34	48.2	7.10	46.6	6.77	45.3	6.57	42.2	6.17	
60	-24.8	-25	41.6	18.97	41.6	19.40	41.4	20.04	40.0	18.91	38.7	17.87	36.1	16.90
	-21.8	-22	44.6	19.60	44.2	20.04	41.4	18.91	40.0	17.87	38.7	16.90	36.1	15.96
	-19.8	-20	46.6	20.04	44.2	19.24	41.4	18.17	40.0	17.18	38.7	16.24	36.1	15.34
	-18.8	-19	46.6	19.63	44.2	18.84	41.4	17.80	40.0	16.83	38.7	15.92	36.1	15.03
	-16.7	-17	46.6	18.77	44.2	18.00	41.4	17.01	40.0	16.10	38.7	15.24	36.1	14.38
	-13.7	-15	46.6	17.56	44.2	16.81	41.4	15.89	40.0	15.05	38.7	14.26	36.1	13.44
	-11.8	-13	46.6	16.78	44.2	16.05	41.4	15.19	40.0	14.39	38.7	13.64	36.1	12.86
	-9.8	-11	46.6	15.97	44.2	15.25	41.4	14.43	40.0	13.70	38.7	12.99	36.1	12.23
	-9.5	-10	46.6	15.85	44.2	15.14	41.4	14.32	40.0	13.59	38.7	12.90	36.1	12.14
	-8.5	-9.1	46.6	15.44	44.2	14.74	41.4	13.95	40.0	13.24	38.7	12.57	36.1	11.83
	-7.0	-7.6	46.6	14.84	44.2	14.14	41.4	13.39	40.0	12.72	38.7	12.09	36.1	11.35
	-5.0	-5.6	46.6	14.02	44.2	13.34	41.4	12.65	40.0	12.02	38.7	11.43	36.1	10.73
	-3.0	-3.7	46.6	13.21	44.2	12.54	41.4	11.90	40.0	11.33	38.7	10.78	36.1	10.12
	0.0	-0.7	46.6	11.99	44.2	11.35	41.4	10.78	40.0	10.28	38.7	9.80	36.1	9.18
	3.0	2.2	46.6	10.77	44.2	10.16	41.4	9.66	40.0	9.25	38.7	8.83	36.1	8.25
	5.0	4.1	46.6	9.96	44.2	9.37	41.4	8.91	40.0	8.55	38.7	8.18	36.1	7.62
	7.0	6.0	46.6	9.15	44.2	8.57	41.4	8.17	40.0	7.85	38.7	7.53	36.1	7.00
	9.0	7.9	46.6	8.16	44.2	7.64	41.4	7.29	40.0	7.00	38.7	6.72	36.1	6.24
	11.0	9.8	46.6	7.62	44.2	7.14	41.4	6.81	40.0	6.54	38.7	6.27	36.1	5.83
	13.0	11.8	46.6	7.14	44.2	6.69	41.4	6.38	40.0	6.12	38.7	5.88	36.1	5.46
15.0	13.7	46.6	6.74	44.2	6.32	41.4	6.03	40.0	5.79	38.7	5.55	36.1	5.17	
50	-24.8	-25	38.9	17.07	36.7	17.71	34.5	16.68	33.4	15.74	32.3	14.85	30.1	14.03
	-21.8	-22	38.9	17.71	36.7	16.68	34.5	15.74	33.4	14.85	32.3	14.03	30.1	13.24
	-19.8	-20	38.9	16.99	36.7	16.01	34.5	15.11	33.4	14.26	32.3	13.48	30.1	12.72
	-18.8	-19	38.9	16.62	36.7	15.67	34.5	14.80	33.4	13.96	32.3	13.20	30.1	12.46
	-16.7	-17	38.9	15.88	36.7	14.96	34.5	14.13	33.4	13.34	32.3	12.62	30.1	11.91
	-13.7	-15	38.9	14.79	36.7	13.93	34.5	13.19	33.4	12.45	32.3	11.81	30.1	11.13
	-11.8	-13	38.9	14.12	36.7	13.29	34.5	12.58	33.4	11.88	32.3	11.29	30.1	10.63
	-9.8	-11	38.9	13.40	36.7	12.61	34.5	11.95	33.4	11.30	32.3	10.73	30.1	10.11
	-9.5	-10	38.9	13.29	36.7	12.51	34.5	11.86	33.4	11.21	32.3	10.66	30.1	10.03
	-8.5	-9.1	38.9	12.94	36.7	12.17	34.5	11.55	33.4	10.91	32.3	10.37	30.1	9.77
	-7.0	-7.6	38.9	12.40	36.7	11.67	34.5	11.08	33.4	10.47	32.3	9.97	30.1	9.37
	-5.0	-5.6	38.9	11.68	36.7	10.98	34.5	10.44	33.4	9.88	32.3	9.42	30.1	8.85
	-3.0	-3.7	38.9	10.97	36.7	10.31	34.5	9.81	33.4	9.28	32.3	8.87	30.1	8.33
	0.0	-0.7	38.9	9.89	36.7	9.28	34.5	8.86	33.4	8.40	32.3	8.05	30.1	7.54
	3.0	2.2	38.9	8.81	36.7	8.27	34.5	7.92	33.4	7.50	32.3	7.22	30.1	6.76
	5.0	4.1	38.9	8.10	36.7	7.58	34.5	7.29	33.4	6.92	32.3	6.68	30.1	6.24
	7.0	6.0	38.9	7.38	36.7	6.91	34.5	6.65	33.4	6.32	32.3	6.12	30.1	5.72
	9.0	7.9	38.9	6.67	36.7	6.24	34.5	6.01	33.4	5.71	32.3	5.53	30.1	5.16
	11.0	9.8	38.9	6.24	36.7	5.84	34.5	5.62	33.4	5.34	32.3	5.17	30.1	4.83
	13.0	11.8	38.9	5.86	36.7	5.48	34.5	5.28	33.4	5.02	32.3	4.86	30.1	4.53
15.0	13.7	38.9	5.54	36.7	5.19	34.5	5.00	33.4	4.74	32.3	4.60	30.1	4.29	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN241BTE5

Heating Capacity (24HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	47.8	23.24	47.8	23.68	47.6	24.06	47.6	24.64	47.6	25.20	47.4	26.06
	-21.8	-22	56.8	24.12	56.8	24.56	56.4	24.94	56.4	25.52	56.4	26.06	56.2	26.94
	-19.8	-20	59.2	24.70	59.2	25.14	58.8	25.52	58.8	26.10	58.8	26.64	58.6	27.52
	-18.8	-19	60.6	24.98	60.6	25.42	60.2	25.80	60.2	26.38	60.2	26.94	60.0	27.82
	-16.7	-17	63.6	25.60	63.6	26.04	63.2	26.42	63.2	27.00	63.2	27.54	62.8	28.42
	-13.7	-15	67.8	26.48	67.8	26.90	67.4	27.28	67.4	27.86	67.4	28.42	67.0	27.10
	-11.8	-13	70.0	27.02	70.0	27.46	69.6	27.84	69.6	28.42	69.6	27.52	69.6	26.26
	-9.8	-11	72.4	27.60	72.4	28.04	71.8	28.42	71.8	27.42	71.8	26.56	71.8	25.38
	-9.5	-10	72.8	27.70	72.8	28.14	72.4	28.26	72.4	27.28	72.2	26.42	72.2	25.24
	-8.5	-9.1	74.6	27.98	74.6	28.42	74.2	27.74	74.2	26.78	73.4	25.94	73.4	24.80
	-7.0	-7.6	77.4	28.42	77.4	27.64	76.8	26.96	76.8	26.04	76.8	25.22	76.4	24.14
	-5.0	-5.6	81.0	27.34	81.0	26.58	80.4	25.92	80.4	25.04	80.4	24.26	79.0	23.26
	-3.0	-3.7	84.6	26.28	84.6	25.52	84.0	24.88	84.0	24.06	84.0	23.30	81.8	22.38
	0.0	-0.7	89.8	24.66	89.8	23.94	89.4	23.30	89.4	22.56	89.4	21.86	85.4	21.06
	3.0	2.2	95.2	23.06	95.2	22.36	94.6	21.74	94.6	21.08	91.6	20.44	85.4	19.72
	5.0	4.1	97.8	22.00	97.8	21.30	97.4	20.70	95.0	20.08	91.6	19.48	85.4	18.84
	7.0	6.0	97.8	20.92	97.8	20.24	97.4	19.66	95.0	19.08	91.6	18.52	85.4	17.96
	9.0	7.9	97.8	20.00	97.8	19.36	97.4	18.80	95.0	18.26	91.6	17.70	85.4	17.18
	11.0	9.8	97.8	19.26	97.8	18.64	97.4	18.10	95.0	17.56	91.6	17.04	85.4	16.54
	13.0	11.8	97.8	18.46	97.8	17.88	97.4	17.36	95.0	16.84	91.6	16.34	85.4	15.86
15.0	13.7	97.8	17.62	97.8	17.06	97.4	16.56	95.0	16.08	91.6	15.60	85.4	15.14	
120	-24.8	-25	47.6	23.68	47.6	24.06	47.2	24.64	47.2	25.20	47.2	26.06	47.0	26.68
	-21.8	-22	56.4	24.56	56.4	24.94	56.0	25.52	56.0	26.06	56.0	26.94	55.8	27.54
	-19.8	-20	58.8	25.14	58.8	25.52	58.4	26.10	58.4	26.64	58.4	27.52	58.2	28.14
	-18.8	-19	60.2	25.42	60.2	25.80	59.8	26.38	59.8	26.94	59.8	27.82	59.6	28.42
	-16.7	-17	63.2	26.04	63.2	26.42	62.8	27.00	62.8	27.54	62.8	28.42	62.4	27.56
	-13.7	-15	67.2	26.90	67.2	27.28	66.8	27.86	66.8	28.42	66.8	27.14	66.6	26.36
	-11.8	-13	69.4	27.46	69.4	27.84	69.0	28.42	69.0	27.50	69.0	26.32	69.0	25.58
	-9.8	-11	71.8	28.04	71.8	28.42	71.4	27.40	71.4	26.54	71.4	25.46	71.4	24.78
	-9.5	-10	72.4	28.14	72.4	28.26	72.0	27.24	72.0	26.40	72.0	25.34	72.0	24.64
	-8.5	-9.1	74.2	28.42	74.2	27.70	73.6	26.74	73.6	25.92	73.6	24.92	73.6	24.24
	-7.0	-7.6	76.8	27.58	76.8	26.88	76.4	25.96	76.4	25.20	76.0	24.28	75.8	23.64
	-5.0	-5.6	80.4	26.46	80.4	25.78	79.8	24.94	79.8	24.24	79.8	23.42	78.6	22.82
	-3.0	-3.7	84.0	25.34	84.0	24.68	83.4	23.92	83.4	23.28	83.4	22.56	80.2	22.02
	0.0	-0.7	89.2	23.66	89.2	23.04	88.6	22.40	88.6	21.82	86.2	21.28	80.2	20.80
	3.0	2.2	94.6	21.98	94.6	21.40	92.2	20.86	89.0	20.38	86.2	20.00	80.2	19.58
	5.0	4.1	97.0	20.86	96.0	20.30	92.2	19.84	89.0	19.42	86.2	19.14	80.2	18.76
	7.0	6.0	97.0	19.72	96.0	19.20	92.2	18.82	89.0	18.46	86.2	18.28	80.2	17.96
	9.0	7.9	97.0	18.84	96.0	18.34	92.2	17.98	89.0	17.62	86.2	17.46	80.2	17.16
	11.0	9.8	97.0	18.12	96.0	17.62	92.2	17.28	89.0	16.94	86.2	16.78	80.2	16.48
	13.0	11.8	97.0	17.34	96.0	16.88	92.2	16.54	89.0	16.22	86.2	16.06	80.2	15.78
15.0	13.7	97.0	16.52	96.0	16.08	92.2	15.76	89.0	15.46	86.2	15.32	80.2	15.04	
110	-24.8	-25	47.2	24.06	47.2	24.64	47.0	25.20	47.0	26.06	47.0	26.68	46.8	26.96
	-21.8	-22	56.2	24.94	56.2	25.52	55.8	26.06	55.8	26.94	55.8	27.54	55.6	27.84
	-19.8	-20	58.4	25.52	58.4	26.10	58.2	26.64	58.2	27.52	58.2	28.14	57.8	28.42
	-18.8	-19	59.8	25.80	59.8	26.38	59.4	26.94	59.4	27.82	59.4	28.42	59.2	27.98
	-16.7	-17	62.8	26.42	62.8	27.00	62.4	27.54	62.4	28.42	62.4	27.52	62.0	27.08
	-13.7	-15	67.0	27.28	67.0	27.86	66.4	28.42	66.4	27.04	66.4	26.22	66.4	25.78
	-11.8	-13	69.2	27.84	69.2	28.42	68.6	27.44	68.6	26.18	68.6	25.40	68.6	24.94
	-9.8	-11	71.4	28.42	71.4	27.30	71.0	26.42	71.0	25.26	71.0	24.54	71.0	24.08
	-9.5	-10	72.0	28.24	72.0	27.14	71.6	26.26	71.6	25.12	71.6	24.42	71.6	23.94
	-8.5	-9.1	73.8	27.64	73.8	26.58	73.2	25.74	73.2	24.66	73.2	23.98	72.2	23.52
	-7.0	-7.6	76.4	26.72	76.4	25.76	76.0	24.96	76.0	23.96	76.0	23.34	72.2	22.86
	-5.0	-5.6	80.0	25.52	80.0	24.64	79.4	23.94	79.4	23.06	77.2	22.48	72.2	22.00
	-3.0	-3.7	83.4	24.30	83.4	23.52	82.6	22.90	80.0	22.14	77.2	21.62	72.2	21.12
	0.0	-0.7	88.8	22.48	88.0	21.86	82.6	21.36	80.0	20.76	77.2	20.32	72.2	19.82
	3.0	2.2	93.2	20.66	88.0	20.18	82.6	19.82	80.0	19.38	77.2	19.04	72.2	18.52
	5.0	4.1	93.2	19.44	88.0	19.08	82.6	18.78	80.0	18.46	77.2	18.18	72.2	17.66
	7.0	6.0	93.2	18.24	88.0	17.96	82.6	17.76	80.0	17.54	77.2	17.32	72.2	16.78
	9.0	7.9	93.2	17.34	88.0	17.08	82.6	16.90	80.0	16.68	77.2	16.48	72.2	15.96
	11.0	9.8	93.2	16.60	88.0	16.36	82.6	16.16	80.0	15.98	77.2	15.76	72.2	15.28
	13.0	11.8	93.2	15.82	88.0	15.58	82.6	15.40	80.0	15.22	77.2	15.02	72.2	14.56
15.0	13.7	93.2	14.98	88.0	14.76	82.6	14.60	80.0	14.42	77.2	14.22	72.2	13.78	

# 7. Capacity Tables

Heating Capacity (24HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	47.0	27.12	47.0	27.30	46.8	26.30	46.8	27.72	46.8	27.90	46.6	28.00
	-21.8	-22	55.8	27.38	55.8	27.56	55.6	27.14	55.6	27.98	55.6	28.60	55.2	28.24
	-19.8	-20	58.2	27.56	58.2	27.74	57.8	27.70	57.8	28.16	57.8	28.48	57.6	28.42
	-18.8	-19	59.6	27.64	59.2	27.82	59.2	27.98	59.2	28.24	59.2	28.42	59.0	27.92
	-16.7	-17	62.2	27.82	62.2	28.00	62.2	28.60	61.8	28.42	61.8	27.36	61.4	26.84
	-13.7	-15	66.6	28.08	66.6	28.26	66.2	28.42	66.2	26.86	66.2	25.84	66.0	25.32
	-11.8	-13	68.8	28.24	68.4	28.42	68.4	27.36	68.4	25.86	68.4	24.88	66.0	24.36
	-9.8	-11	71.0	28.42	71.0	27.22	70.8	26.24	70.8	24.82	70.8	23.88	66.0	23.34
	-9.5	-10	71.6	28.22	71.6	27.04	71.2	26.06	71.2	24.66	70.8	23.72	66.0	23.18
	-8.5	-9.1	73.4	27.58	73.4	26.44	73.0	25.50	73.2	24.14	70.8	23.22	66.0	22.68
	-7.0	-7.6	77.2	26.62	77.0	25.54	75.6	24.66	73.2	23.36	70.8	22.46	66.0	21.92
	-5.0	-5.6	80.6	25.34	79.8	24.32	75.6	23.54	73.2	22.32	70.8	21.44	66.0	20.90
	-3.0	-3.7	83.0	24.06	80.4	23.12	75.6	22.42	73.2	21.28	70.8	20.44	66.0	19.88
	0.0	-0.7	85.2	22.14	80.4	21.32	75.6	20.72	73.2	19.72	70.8	18.92	66.0	18.36
	3.0	2.2	85.2	20.22	80.4	19.50	75.6	19.04	73.2	18.16	70.8	17.40	66.0	16.82
	5.0	4.1	85.2	18.94	80.4	18.30	75.6	17.92	73.2	17.12	70.8	16.38	66.0	15.80
	7.0	6.0	85.2	17.66	80.4	17.10	75.6	16.80	73.2	16.08	70.8	15.38	66.0	14.78
	9.0	7.9	85.2	16.62	80.4	16.10	75.6	15.82	73.2	15.12	70.8	14.48	66.0	13.92
	11.0	9.8	85.2	15.70	80.4	15.22	75.6	14.94	73.2	14.30	70.8	13.68	66.0	13.16
	13.0	11.8	85.2	14.74	80.4	14.28	75.6	14.04	73.2	13.42	70.8	12.84	66.0	12.36
15.0	13.7	85.2	13.74	80.4	13.30	75.6	13.08	73.2	12.52	70.8	11.98	66.0	11.52	
90	-24.8	-25	46.8	23.88	46.8	24.76	46.6	25.36	46.6	25.66	46.6	26.24	46.4	27.10
	-21.8	-22	55.6	24.76	55.6	25.62	55.4	26.24	55.4	26.52	55.4	27.10	55.0	25.82
	-19.8	-20	58.0	25.34	58.0	26.20	57.6	26.82	57.6	27.10	57.6	26.22	57.4	24.96
	-18.8	-19	59.6	25.62	59.2	26.50	59.0	27.10	59.0	26.64	59.0	25.76	58.8	24.52
	-16.7	-17	62.2	26.24	62.2	27.10	61.8	26.14	61.8	25.68	61.8	24.84	60.2	23.62
	-13.7	-15	66.6	27.10	66.6	25.66	66.0	24.76	66.0	24.28	64.8	23.50	60.2	22.34
	-11.8	-13	68.8	26.10	68.4	24.74	68.2	23.88	67.0	23.40	64.8	22.64	60.2	21.52
	-9.8	-11	71.0	25.04	71.0	23.76	69.2	22.96	67.0	22.48	64.8	21.76	60.2	20.66
	-9.5	-10	71.6	24.88	71.6	23.62	69.2	22.82	67.0	22.34	64.8	21.62	60.2	20.54
	-8.5	-9.1	73.4	24.36	72.8	23.14	69.2	22.36	67.0	21.88	64.8	21.18	60.2	20.10
	-7.0	-7.6	77.2	23.56	73.4	22.42	69.2	21.66	67.0	21.18	64.8	20.50	60.2	19.46
	-5.0	-5.6	78.0	22.50	73.4	21.44	69.2	20.74	67.0	20.26	64.8	19.62	60.2	18.60
	-3.0	-3.7	78.0	21.44	73.4	20.48	69.2	19.82	67.0	19.32	64.8	18.72	60.2	17.74
	0.0	-0.7	78.0	19.84	73.4	19.02	69.2	18.44	67.0	17.94	64.8	17.38	60.2	16.46
	3.0	2.2	78.0	18.26	73.4	17.58	69.2	17.06	67.0	16.54	64.8	16.04	60.2	15.16
	5.0	4.1	78.0	17.20	73.4	16.60	69.2	16.14	67.0	15.62	64.8	15.16	60.2	14.30
	7.0	6.0	78.0	16.14	73.4	15.64	69.2	15.22	67.0	14.70	64.8	14.26	60.2	13.44
	9.0	7.9	78.0	15.16	73.4	14.68	69.2	14.30	67.0	13.80	64.8	13.40	60.2	12.64
	11.0	9.8	78.0	14.18	73.4	13.74	69.2	13.38	67.0	12.92	64.8	12.54	60.2	11.82
	13.0	11.8	78.0	13.20	73.4	12.80	69.2	12.44	67.0	12.02	64.8	11.66	60.2	11.00
15.0	13.7	78.0	12.22	73.4	11.84	69.2	11.52	67.0	11.14	64.8	10.80	60.2	10.18	
80	-24.8	-25	46.6	20.80	46.6	21.68	46.4	22.30	46.4	22.58	46.4	24.04	46.2	22.90
	-21.8	-22	55.0	21.68	55.0	22.56	55.0	23.16	55.0	24.04	55.0	22.90	53.8	21.82
	-19.8	-20	57.4	22.26	57.4	23.14	57.4	24.04	57.4	23.22	57.4	22.14	53.8	21.10
	-18.8	-19	58.8	22.56	58.8	24.04	58.8	23.62	58.8	22.82	57.8	21.76	53.8	20.74
	-16.7	-17	61.8	24.04	61.8	23.16	61.8	22.76	60.0	21.98	57.8	20.98	53.8	19.98
	-13.7	-15	64.6	22.74	63.4	21.92	61.8	21.52	60.0	20.76	57.8	19.84	53.8	18.90
	-11.8	-13	66.4	21.90	64.4	21.14	61.8	20.72	60.0	20.00	57.8	19.12	53.8	18.22
	-9.8	-11	68.2	21.04	65.4	20.30	61.8	19.90	60.0	19.20	57.8	18.36	53.8	17.50
	-9.5	-10	68.6	20.90	65.6	20.18	61.8	19.78	60.0	19.08	57.8	18.24	53.8	17.40
	-8.5	-9.1	69.4	20.48	66.0	19.76	61.8	19.36	60.0	18.66	57.8	17.86	53.8	17.04
	-7.0	-7.6	70.0	19.82	66.0	19.14	61.8	18.74	60.0	18.06	57.8	17.30	53.8	16.50
	-5.0	-5.6	70.0	18.96	66.0	18.32	61.8	17.92	60.0	17.26	57.8	16.54	53.8	15.78
	-3.0	-3.7	70.0	18.08	66.0	17.48	61.8	17.08	60.0	16.44	57.8	15.78	53.8	15.06
	0.0	-0.7	70.0	16.78	66.0	16.24	61.8	15.84	60.0	15.24	57.8	14.64	53.8	13.98
	3.0	2.2	70.0	15.48	66.0	15.00	61.8	14.60	60.0	14.02	57.8	13.52	53.8	12.90
	5.0	4.1	70.0	14.60	66.0	14.16	61.8	13.78	60.0	13.22	57.8	12.76	53.8	12.18
	7.0	6.0	70.0	13.74	66.0	13.34	61.8	12.94	60.0	12.40	57.8	12.00	53.8	11.46
	9.0	7.9	70.0	12.90	66.0	12.52	61.8	12.16	60.0	11.66	57.8	11.26	53.8	10.76
	11.0	9.8	70.0	11.98	66.0	11.62	61.8	11.28	60.0	10.82	57.8	10.46	53.8	9.98
	13.0	11.8	70.0	11.18	66.0	10.86	61.8	10.54	60.0	10.10	57.8	9.76	53.8	9.32
15.0	13.7	70.0	10.52	66.0	10.22	61.8	9.92	60.0	9.50	57.8	9.18	53.8	8.78	

# 7. Capacity Tables

Heating Capacity (24HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	46.6	21.42	46.6	21.70	46.4	22.30	46.4	23.16	46.4	21.98	46.0	20.88
	-21.8	-22	53.0	22.30	53.0	22.58	52.6	23.16	50.8	21.98	49.4	20.88	46.0	19.82
	-19.8	-20	57.2	22.88	56.0	23.16	52.6	22.32	50.8	21.18	49.4	20.14	46.0	19.12
	-18.8	-19	58.8	23.16	56.0	22.72	52.6	21.90	50.8	20.80	49.4	19.78	46.0	18.76
	-16.7	-17	59.2	22.26	56.0	21.82	52.6	21.02	50.8	19.96	49.4	19.00	46.0	18.02
	-13.7	-15	59.2	20.96	56.0	20.50	52.6	19.78	50.8	18.78	49.4	17.90	46.0	16.96
	-11.8	-13	59.2	20.12	56.0	19.68	52.6	18.98	50.8	18.02	49.4	17.20	46.0	16.30
	-9.8	-11	59.2	19.26	56.0	18.80	52.6	18.14	50.8	17.24	49.4	16.46	46.0	15.58
	-9.5	-10	59.2	19.12	56.0	18.68	52.6	18.02	50.8	17.12	49.4	16.34	46.0	15.48
	-8.5	-9.1	59.2	18.70	56.0	18.24	52.6	17.60	50.8	16.72	49.4	15.98	46.0	15.12
	-7.0	-7.6	59.2	18.04	56.0	17.58	52.6	16.96	50.8	16.12	49.4	15.42	46.0	14.60
	-5.0	-5.6	59.2	17.18	56.0	16.72	52.6	16.12	50.8	15.34	49.4	14.70	46.0	13.90
	-3.0	-3.7	59.2	16.30	56.0	15.84	52.6	15.28	50.8	14.54	49.4	13.96	46.0	13.18
	0.0	-0.7	59.2	15.00	56.0	14.54	52.6	14.04	50.8	13.36	49.4	12.86	46.0	12.12
	3.0	2.2	59.2	13.70	56.0	13.22	52.6	12.78	50.8	12.18	49.4	11.74	46.0	11.08
	5.0	4.1	59.2	12.84	56.0	12.36	52.6	11.94	50.8	11.38	49.4	11.02	46.0	10.36
	7.0	6.0	59.2	11.96	56.0	11.48	52.6	11.10	50.8	10.60	49.4	10.28	46.0	9.66
	9.0	7.9	59.2	10.80	56.0	10.36	52.6	10.02	50.8	9.56	49.4	9.28	46.0	8.72
	11.0	9.8	59.2	10.06	56.0	9.66	52.6	9.34	50.8	8.90	49.4	8.64	46.0	8.12
	13.0	11.8	59.2	9.42	56.0	9.04	52.6	8.74	50.8	8.34	49.4	8.08	46.0	7.60
15.0	13.7	59.2	8.88	56.0	8.52	52.6	8.24	50.8	7.86	49.4	7.62	46.0	7.16	
60	-24.8	-25	45.4	20.84	45.4	21.42	45.2	22.30	43.6	21.08	42.2	19.96	39.4	18.90
	-21.8	-22	48.6	21.70	48.2	22.30	45.2	21.08	43.6	19.96	42.2	18.90	39.4	17.88
	-19.8	-20	50.8	22.30	48.2	21.44	45.2	20.28	43.6	19.20	42.2	18.18	39.4	17.20
	-18.8	-19	50.8	21.86	48.2	21.00	45.2	19.88	43.6	18.82	42.2	17.84	39.4	16.86
	-16.7	-17	50.8	20.94	48.2	20.10	45.2	19.02	43.6	18.04	42.2	17.10	39.4	16.16
	-13.7	-15	50.8	19.64	48.2	18.82	45.2	17.82	43.6	16.90	42.2	16.04	39.4	15.14
	-11.8	-13	50.8	18.80	48.2	18.00	45.2	17.06	43.6	16.18	42.2	15.36	39.4	14.50
	-9.8	-11	50.8	17.94	48.2	17.14	45.2	16.24	43.6	15.44	42.2	14.66	39.4	13.82
	-9.5	-10	50.8	17.80	48.2	17.02	45.2	16.12	43.6	15.32	42.2	14.56	39.4	13.72
	-8.5	-9.1	50.8	17.36	48.2	16.58	45.2	15.72	43.6	14.94	42.2	14.20	39.4	13.38
	-7.0	-7.6	50.8	16.72	48.2	15.94	45.2	15.12	43.6	14.38	42.2	13.68	39.4	12.86
	-5.0	-5.6	50.8	15.84	48.2	15.08	45.2	14.32	43.6	13.62	42.2	12.96	39.4	12.18
	-3.0	-3.7	50.8	14.98	48.2	14.22	45.2	13.50	43.6	12.88	42.2	12.26	39.4	11.52
	0.0	-0.7	50.8	13.66	48.2	12.94	45.2	12.30	43.6	11.74	42.2	11.20	39.4	10.50
	3.0	2.2	50.8	12.36	48.2	11.66	45.2	11.08	43.6	10.62	42.2	10.14	39.4	9.48
	5.0	4.1	50.8	11.48	48.2	10.80	45.2	10.28	43.6	9.86	42.2	9.44	39.4	8.80
	7.0	6.0	50.8	10.62	48.2	9.94	45.2	9.48	43.6	9.10	42.2	8.74	39.4	8.12
	9.0	7.9	50.8	9.46	48.2	8.86	45.2	8.46	43.6	8.12	42.2	7.80	39.4	7.24
	11.0	9.8	50.8	8.84	48.2	8.28	45.2	7.90	43.6	7.58	42.2	7.28	39.4	6.76
	13.0	11.8	50.8	8.28	48.2	7.76	45.2	7.40	43.6	7.10	42.2	6.82	39.4	6.34
15.0	13.7	50.8	7.82	48.2	7.34	45.2	7.00	43.6	6.72	42.2	6.44	39.4	6.00	
50	-24.8	-25	42.4	19.08	40.0	19.96	37.6	18.82	36.4	17.78	35.2	16.80	32.8	15.88
	-21.8	-22	42.4	19.96	40.0	18.82	37.6	17.78	36.4	16.80	35.2	15.88	32.8	15.00
	-19.8	-20	42.4	19.16	40.0	18.08	37.6	17.08	36.4	16.14	35.2	15.28	32.8	14.42
	-18.8	-19	42.4	18.76	40.0	17.70	37.6	16.74	36.4	15.80	35.2	14.96	32.8	14.14
	-16.7	-17	42.4	17.94	40.0	16.92	37.6	16.00	36.4	15.12	35.2	14.32	32.8	13.52
	-13.7	-15	42.4	16.74	40.0	15.78	37.6	14.96	36.4	14.14	35.2	13.42	32.8	12.66
	-11.8	-13	42.4	16.00	40.0	15.08	37.6	14.28	36.4	13.50	35.2	12.84	32.8	12.10
	-9.8	-11	42.4	15.20	40.0	14.32	37.6	13.58	36.4	12.86	35.2	12.22	32.8	11.52
	-9.5	-10	42.4	15.08	40.0	14.22	37.6	13.48	36.4	12.76	35.2	12.14	32.8	11.44
	-8.5	-9.1	42.4	14.70	40.0	13.84	37.6	13.14	36.4	12.42	35.2	11.82	32.8	11.14
	-7.0	-7.6	42.4	14.10	40.0	13.28	37.6	12.62	36.4	11.94	35.2	11.38	32.8	10.70
	-5.0	-5.6	42.4	13.30	40.0	12.52	37.6	11.92	36.4	11.28	35.2	10.76	32.8	10.12
	-3.0	-3.7	42.4	12.52	40.0	11.78	37.6	11.22	36.4	10.62	35.2	10.16	32.8	9.54
	0.0	-0.7	42.4	11.34	40.0	10.64	37.6	10.16	36.4	9.64	35.2	9.24	32.8	8.66
	3.0	2.2	42.4	10.14	40.0	9.52	37.6	9.12	36.4	8.64	35.2	8.32	32.8	7.80
	5.0	4.1	42.4	9.36	40.0	8.76	37.6	8.42	36.4	8.00	35.2	7.72	32.8	7.22
	7.0	6.0	42.4	8.56	40.0	8.02	37.6	7.72	36.4	7.34	35.2	7.10	32.8	6.64
	9.0	7.9	42.4	7.74	40.0	7.24	37.6	6.98	36.4	6.62	35.2	6.42	32.8	5.98
	11.0	9.8	42.4	7.24	40.0	6.78	37.6	6.52	36.4	6.20	35.2	6.00	32.8	5.60
	13.0	11.8	42.4	6.80	40.0	6.36	37.6	6.12	36.4	5.82	35.2	5.64	32.8	5.26
15.0	13.7	42.4	6.42	40.0	6.02	37.6	5.80	36.4	5.50	35.2	5.34	32.8	4.98	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN261BTE5

Heating Capacity (26HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	51.2	25.31	51.2	25.67	51.0	25.98	51.0	26.46	51.0	26.92	50.3	27.63
	-21.8	-22	61.7	26.03	61.7	26.39	61.2	26.70	61.2	27.18	61.2	27.63	60.5	28.35
	-19.8	-20	64.7	26.51	64.7	26.87	64.3	27.18	64.3	27.66	64.3	28.11	63.5	28.83
	-18.8	-19	66.2	26.74	66.2	27.10	65.8	27.42	65.8	27.90	65.8	28.35	65.0	29.08
	-16.7	-17	69.5	27.25	69.5	27.61	69.0	27.92	69.0	28.40	69.0	28.85	68.1	29.58
	-13.7	-15	74.0	27.97	74.0	28.33	73.6	28.64	73.6	29.12	73.6	29.58	72.6	28.35
	-11.8	-13	76.4	28.42	76.4	28.78	76.0	29.10	76.0	29.58	76.0	28.75	75.4	27.57
	-9.8	-11	79.0	28.90	79.0	29.26	78.4	29.58	78.4	28.67	78.4	27.86	78.1	26.75
	-9.5	-10	79.5	28.98	79.5	29.34	79.0	29.43	79.0	28.54	78.9	27.73	78.6	26.62
	-8.5	-9.1	81.2	29.21	81.2	29.58	80.7	28.97	80.7	28.09	80.1	27.29	80.0	26.21
	-7.0	-7.6	83.8	29.58	83.8	28.89	83.2	28.27	83.2	27.42	83.2	26.63	82.7	25.60
	-5.0	-5.6	87.3	28.65	87.3	27.96	86.7	27.34	86.7	26.51	86.7	25.75	85.6	24.78
	-3.0	-3.7	90.7	27.74	90.7	27.03	90.1	26.41	90.1	25.62	90.1	24.87	88.6	23.96
	0.0	-0.7	95.8	26.35	95.8	25.64	95.3	25.00	95.3	24.26	95.3	23.55	92.5	22.74
	3.0	2.2	101.0	24.97	101.0	24.25	100.3	23.60	100.3	22.91	98.8	22.24	92.5	21.50
	5.0	4.1	103.9	24.06	103.9	23.32	103.4	22.67	102.2	22.01	99.3	21.36	92.5	20.68
	7.0	6.0	105.6	23.14	105.6	22.39	105.0	21.74	102.9	21.10	99.3	20.48	92.5	19.86
	9.0	7.9	105.9	22.36	105.9	21.64	105.5	21.01	102.9	20.41	99.3	19.79	92.5	19.20
	11.0	9.8	105.9	21.78	105.9	21.08	105.5	20.47	102.9	19.87	99.3	19.28	92.5	18.71
	13.0	11.8	105.9	21.16	105.9	20.49	105.5	19.89	102.9	19.30	99.3	18.73	92.5	18.17
15.0	13.7	105.9	20.50	105.9	19.84	105.5	19.26	102.9	18.70	99.3	18.15	92.5	17.61	
120	-24.8	-25	50.9	25.67	50.9	25.98	50.6	26.46	50.6	26.92	50.6	27.63	49.9	28.14
	-21.8	-22	61.2	26.39	61.2	26.70	60.8	27.18	60.8	27.63	60.8	28.35	60.1	28.85
	-19.8	-20	64.2	26.87	64.2	27.18	63.8	27.66	63.8	28.11	63.8	28.83	63.0	29.34
	-18.8	-19	65.8	27.10	65.8	27.42	65.3	27.90	65.3	28.35	65.3	29.08	64.5	29.58
	-16.7	-17	69.0	27.61	69.0	27.92	68.6	28.40	68.6	28.85	68.6	29.58	67.6	28.78
	-13.7	-15	73.4	28.33	73.4	28.64	73.0	29.12	73.0	29.58	73.0	28.39	72.1	27.66
	-11.8	-13	75.8	28.78	75.8	29.10	75.4	29.58	75.4	28.73	75.4	27.64	74.8	26.94
	-9.8	-11	78.4	29.26	78.4	29.58	77.9	28.64	77.9	27.85	77.9	26.85	77.6	26.19
	-9.5	-10	79.0	29.34	79.0	29.43	78.5	28.50	78.5	27.72	78.5	26.73	78.2	26.07
	-8.5	-9.1	80.7	29.58	80.7	28.93	80.1	28.04	80.1	27.28	80.1	26.34	79.8	25.69
	-7.0	-7.6	83.2	28.83	83.2	28.18	82.7	27.33	82.7	26.61	82.5	25.75	82.1	25.13
	-5.0	-5.6	86.6	27.83	86.6	27.19	86.0	26.40	86.0	25.73	86.0	24.96	85.1	24.38
	-3.0	-3.7	90.1	26.83	90.1	26.19	89.5	25.47	89.5	24.84	89.5	24.17	86.9	23.63
	0.0	-0.7	95.1	25.33	95.1	24.71	94.5	24.08	94.5	23.51	93.3	22.98	86.9	22.50
	3.0	2.2	100.3	23.82	100.3	23.22	98.7	22.68	96.5	22.18	93.4	21.80	86.9	21.37
	5.0	4.1	103.1	22.82	102.6	22.23	99.8	21.74	96.5	21.30	93.4	21.01	86.9	20.61
	7.0	6.0	104.8	21.81	103.9	21.23	99.8	20.81	96.5	20.41	93.4	20.22	86.9	19.86
	9.0	7.9	105.0	21.05	103.9	20.48	99.8	20.08	96.5	19.69	93.4	19.50	86.9	19.16
	11.0	9.8	105.0	20.46	103.9	19.90	99.8	19.51	96.5	19.14	93.4	18.96	86.9	18.62
	13.0	11.8	105.0	19.83	103.9	19.30	99.8	18.91	96.5	18.55	93.4	18.37	86.9	18.05
15.0	13.7	105.0	19.16	103.9	18.64	99.8	18.27	96.5	17.93	93.4	17.76	86.9	17.44	
110	-24.8	-25	50.6	25.98	50.6	26.46	50.3	26.92	50.3	27.63	50.3	28.14	49.7	28.37
	-21.8	-22	60.9	26.70	60.9	27.18	60.5	27.63	60.5	28.35	60.5	28.85	59.8	29.10
	-19.8	-20	63.9	27.18	63.9	27.66	63.5	28.11	63.5	28.83	63.5	29.34	62.7	29.58
	-18.8	-19	65.4	27.42	65.4	27.90	64.9	28.35	64.9	29.08	64.9	29.58	64.2	29.16
	-16.7	-17	68.6	27.92	68.6	28.40	68.2	28.85	68.2	29.58	68.2	28.73	67.2	28.30
	-13.7	-15	73.1	28.64	73.1	29.12	72.6	29.58	72.6	28.29	72.6	27.51	72.6	27.07
	-11.8	-13	75.5	29.10	75.5	29.58	75.0	28.66	75.0	27.48	75.0	26.74	75.0	26.28
	-9.8	-11	78.0	29.58	78.0	28.54	77.5	27.71	77.5	26.62	77.5	25.94	77.5	25.47
	-9.5	-10	78.5	29.41	78.5	28.39	78.1	27.56	78.1	26.49	78.1	25.82	77.9	25.34
	-8.5	-9.1	80.2	28.85	80.2	27.87	79.7	27.08	79.7	26.06	79.7	25.41	78.2	24.93
	-7.0	-7.6	82.8	28.01	82.8	27.10	82.3	26.36	82.3	25.41	82.3	24.81	78.2	24.31
	-5.0	-5.6	86.2	26.89	86.2	26.06	85.6	25.40	85.6	24.56	83.7	24.00	78.2	23.50
	-3.0	-3.7	89.5	25.77	89.5	25.03	88.8	24.44	86.6	23.70	83.7	23.19	78.2	22.67
	0.0	-0.7	94.7	24.09	94.3	23.48	89.5	23.00	86.6	22.41	83.7	21.98	78.2	21.44
	3.0	2.2	99.3	22.41	95.4	21.93	89.5	21.56	86.6	21.12	83.7	20.77	78.2	20.20
	5.0	4.1	100.9	21.28	95.4	20.90	89.5	20.60	86.6	20.26	83.7	19.96	78.2	19.39
	7.0	6.0	101.0	20.17	95.4	19.86	89.5	19.64	86.6	19.40	83.7	19.15	78.2	18.56
	9.0	7.9	101.0	19.37	95.4	19.08	89.5	18.87	86.6	18.63	83.7	18.40	78.2	17.83
	11.0	9.8	101.0	18.74	95.4	18.46	89.5	18.25	86.6	18.03	83.7	17.79	78.2	17.25
	13.0	11.8	101.0	18.07	95.4	17.80	89.5	17.60	86.6	17.39	83.7	17.16	78.2	16.63
15.0	13.7	101.0	17.36	95.4	17.10	89.5	16.91	86.6	16.70	83.7	16.48	78.2	15.97	

# 7. Capacity Tables

Heating Capacity (26HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	50.4	28.93	50.4	29.02	50.1	27.67	50.1	29.23	50.1	29.32	49.5	29.37
	-21.8	-22	60.6	29.06	60.6	29.15	60.3	28.55	60.3	29.36	60.3	29.87	59.5	29.49
	-19.8	-20	63.6	29.15	63.6	29.24	63.2	29.12	63.2	29.45	63.2	29.67	62.4	29.58
	-18.8	-19	65.1	29.19	64.7	29.28	64.7	29.36	64.7	29.49	64.7	29.58	63.9	29.09
	-16.7	-17	67.9	29.28	67.9	29.37	67.9	29.87	67.5	29.58	67.5	28.55	66.6	28.05
	-13.7	-15	72.7	29.41	72.7	29.50	72.3	29.58	72.3	28.08	72.3	27.09	71.5	26.57
	-11.8	-13	75.1	29.49	74.7	29.58	74.7	28.57	74.7	27.13	74.7	26.16	71.5	25.63
	-9.8	-11	77.6	29.58	77.6	28.44	77.2	27.51	77.2	26.14	76.7	25.20	71.5	24.65
	-9.5	-10	78.1	29.39	78.1	28.27	77.7	27.34	77.7	25.99	76.7	25.05	71.5	24.49
	-8.5	-9.1	79.8	28.79	79.8	27.71	79.4	26.81	79.3	25.49	76.7	24.56	71.5	24.01
	-7.0	-7.6	83.7	27.90	83.4	26.86	81.9	26.02	79.3	24.74	76.7	23.83	71.5	23.27
	-5.0	-5.6	87.3	26.70	86.5	25.72	81.9	24.96	79.3	23.75	76.7	22.85	71.5	22.28
	-3.0	-3.7	89.9	25.51	87.1	24.58	81.9	23.90	79.3	22.75	76.7	21.88	71.5	21.29
	0.0	-0.7	92.3	23.71	87.1	22.88	81.9	22.29	79.3	21.26	76.7	20.42	71.5	19.81
	3.0	2.2	92.3	21.92	87.1	21.18	81.9	20.70	79.3	19.77	76.7	18.96	71.5	18.33
	5.0	4.1	92.3	20.72	87.1	20.04	81.9	19.64	79.3	18.77	76.7	17.98	71.5	17.34
	7.0	6.0	92.3	19.53	87.1	18.91	81.9	18.58	79.3	17.78	76.7	17.01	71.5	16.35
	9.0	7.9	92.3	18.59	87.1	18.01	81.9	17.70	79.3	16.92	76.7	16.20	71.5	15.58
	11.0	9.8	92.3	17.81	87.1	17.25	81.9	16.95	79.3	16.22	76.7	15.51	71.5	14.92
	13.0	11.8	92.3	16.98	87.1	16.45	81.9	16.17	79.3	15.46	76.7	14.79	71.5	14.23
15.0	13.7	92.3	16.11	87.1	15.60	81.9	15.34	79.3	14.68	76.7	14.04	71.5	13.50	
90	-24.8	-25	50.2	25.65	50.2	26.37	49.9	26.87	49.9	27.12	49.9	27.59	49.3	28.31
	-21.8	-22	60.4	26.37	60.4	27.09	60.1	27.59	60.1	27.83	60.1	28.31	59.2	27.04
	-19.8	-20	63.4	26.85	63.4	27.56	63.0	28.07	63.0	28.31	63.0	27.44	62.2	26.20
	-18.8	-19	65.1	27.09	64.7	27.81	64.5	28.31	64.5	27.86	64.5	27.00	63.7	25.77
	-16.7	-17	67.9	27.59	67.9	28.31	67.5	27.38	67.5	26.92	67.5	26.09	65.2	24.88
	-13.7	-15	72.7	28.31	72.7	26.92	72.1	26.04	72.1	25.56	70.2	24.79	65.2	23.62
	-11.8	-13	75.1	27.35	74.7	26.03	74.4	25.19	72.6	24.71	70.2	23.95	65.2	22.81
	-9.8	-11	77.6	26.34	77.6	25.10	75.0	24.31	72.6	23.81	70.2	23.09	65.2	21.97
	-9.5	-10	78.1	26.19	78.1	24.96	75.0	24.17	72.6	23.68	70.2	22.95	65.2	21.85
	-8.5	-9.1	79.8	25.69	79.2	24.50	75.0	23.73	72.6	23.23	70.2	22.52	65.2	21.42
	-7.0	-7.6	83.7	24.92	79.6	23.80	75.0	23.05	72.6	22.55	70.2	21.86	65.2	20.79
	-5.0	-5.6	84.6	23.91	79.6	22.87	75.0	22.16	72.6	21.66	70.2	21.00	65.2	19.94
	-3.0	-3.7	84.6	22.90	79.6	21.94	75.0	21.28	72.6	20.75	70.2	20.12	65.2	19.10
	0.0	-0.7	84.6	21.38	79.6	20.54	75.0	19.94	72.6	19.40	70.2	18.82	65.2	17.83
	3.0	2.2	84.6	19.87	79.6	19.16	75.0	18.61	72.6	18.05	70.2	17.51	65.2	16.56
	5.0	4.1	84.6	18.86	79.6	18.22	75.0	17.72	72.6	17.15	70.2	16.65	65.2	15.71
	7.0	6.0	84.6	17.84	79.6	17.29	75.0	16.83	72.6	16.25	70.2	15.77	65.2	14.87
	9.0	7.9	84.6	16.90	79.6	16.37	75.0	15.94	72.6	15.39	70.2	14.94	65.2	14.09
	11.0	9.8	84.6	15.95	79.6	15.46	75.0	15.05	72.6	14.54	70.2	14.11	65.2	13.30
	13.0	11.8	84.6	15.01	79.6	14.55	75.0	14.15	72.6	13.67	70.2	13.26	65.2	12.51
15.0	13.7	84.6	14.06	79.6	13.63	75.0	13.26	72.6	12.82	70.2	12.43	65.2	11.72	
80	-24.8	-25	50.0	22.44	50.0	23.16	49.7	23.67	49.7	23.90	49.7	25.11	49.1	23.99
	-21.8	-22	59.7	23.16	59.7	23.88	59.7	24.38	59.7	25.11	59.7	23.99	58.3	22.92
	-19.8	-20	62.7	23.64	62.7	24.36	62.7	25.11	62.7	24.31	62.4	23.24	58.3	22.21
	-18.8	-19	64.2	23.88	64.2	25.11	64.2	24.70	64.2	23.92	62.6	22.87	58.3	21.85
	-16.7	-17	67.0	25.11	67.0	24.26	67.0	23.86	65.0	23.09	62.6	22.09	58.3	21.10
	-13.7	-15	70.0	23.85	68.7	23.06	67.0	22.65	65.0	21.90	62.6	20.98	58.3	20.03
	-11.8	-13	71.9	23.05	69.7	22.30	67.0	21.88	65.0	21.15	62.6	20.27	58.3	19.36
	-9.8	-11	73.8	22.22	70.8	21.49	67.0	21.08	65.0	20.37	62.6	19.52	58.3	18.65
	-9.5	-10	74.3	22.09	71.1	21.37	67.0	20.96	65.0	20.25	62.6	19.41	58.3	18.55
	-8.5	-9.1	75.1	21.68	71.4	20.97	67.0	20.56	65.0	19.84	62.6	19.04	58.3	18.19
	-7.0	-7.6	75.8	21.05	71.4	20.37	67.0	19.95	65.0	19.25	62.6	18.48	58.3	17.66
	-5.0	-5.6	75.8	20.22	71.4	19.57	67.0	19.15	65.0	18.47	62.6	17.74	58.3	16.94
	-3.0	-3.7	75.8	19.37	71.4	18.76	67.0	18.34	65.0	17.67	62.6	16.99	58.3	16.23
	0.0	-0.7	75.8	18.12	71.4	17.56	67.0	17.13	65.0	16.49	62.6	15.87	58.3	15.16
	3.0	2.2	75.8	16.87	71.4	16.36	67.0	15.93	65.0	15.30	62.6	14.76	58.3	14.10
	5.0	4.1	75.8	16.03	71.4	15.55	67.0	15.13	65.0	14.52	62.6	14.02	58.3	13.38
	7.0	6.0	75.8	15.20	71.4	14.75	67.0	14.32	65.0	13.72	62.6	13.27	58.3	12.67
	9.0	7.9	75.8	14.27	71.4	13.85	67.0	13.45	65.0	12.89	62.6	12.46	58.3	11.90
	11.0	9.8	75.8	13.25	71.4	12.85	67.0	12.48	65.0	11.96	62.6	11.57	58.3	11.04
	13.0	11.8	75.8	12.36	71.4	12.01	67.0	11.65	65.0	11.17	62.6	10.80	58.3	10.31
15.0	13.7	75.8	11.64	71.4	11.30	67.0	10.97	65.0	10.51	62.6	10.16	58.3	9.71	

# 7. Capacity Tables

## Heating Capacity (26HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	50.0	22.92	50.0	23.16	49.7	23.65	49.7	24.36	49.7	23.17	49.0	22.06
	-21.8	-22	57.4	23.65	57.4	23.88	57.0	24.36	55.1	23.17	53.5	22.06	49.9	20.98
	-19.8	-20	62.4	24.12	60.7	24.36	57.0	23.52	55.1	22.37	53.5	21.31	49.9	20.27
	-18.8	-19	64.0	24.36	60.7	23.92	57.0	23.10	55.1	21.98	53.5	20.95	49.9	19.91
	-16.7	-17	64.2	23.46	60.7	23.02	57.0	22.22	55.1	21.14	53.5	20.16	49.9	19.16
	-13.7	-15	64.2	22.17	60.7	21.70	57.0	20.97	55.1	19.95	53.5	19.05	49.9	18.09
	-11.8	-13	64.2	21.34	60.7	20.88	57.0	20.17	55.1	19.19	53.5	18.35	49.9	17.41
	-9.8	-11	64.2	20.48	60.7	20.01	57.0	19.33	55.1	18.40	53.5	17.60	49.9	16.69
	-9.5	-10	64.2	20.35	60.7	19.88	57.0	19.20	55.1	18.28	53.5	17.49	49.9	16.58
	-8.5	-9.1	64.2	19.92	60.7	19.44	57.0	18.78	55.1	17.88	53.5	17.12	49.9	16.22
	-7.0	-7.6	64.2	19.27	60.7	18.79	57.0	18.15	55.1	17.28	53.5	16.56	49.9	15.69
	-5.0	-5.6	64.2	18.41	60.7	17.92	57.0	17.31	55.1	16.49	53.5	15.82	49.9	14.98
	-3.0	-3.7	64.2	17.54	60.7	17.05	57.0	16.47	55.1	15.69	53.5	15.08	49.9	14.26
	0.0	-0.7	64.2	16.25	60.7	15.75	57.0	15.22	55.1	14.50	53.5	13.97	49.9	13.18
	3.0	2.2	64.2	14.96	60.7	14.44	57.0	13.96	55.1	13.31	53.5	12.85	49.9	12.12
	5.0	4.1	64.2	14.10	60.7	13.57	57.0	13.12	55.1	12.51	53.5	12.11	49.9	11.40
	7.0	6.0	64.2	13.23	60.7	12.70	57.0	12.28	55.1	11.72	53.5	11.37	49.9	10.68
	9.0	7.9	64.2	11.95	60.7	11.46	57.0	11.08	55.1	10.58	53.5	10.26	49.9	9.65
	11.0	9.8	64.2	11.13	60.7	10.68	57.0	10.32	55.1	9.85	53.5	9.56	49.9	8.98
	13.0	11.8	64.2	10.41	60.7	9.99	57.0	9.66	55.1	9.22	53.5	8.94	49.9	8.41
15.0	13.7	64.2	9.82	60.7	9.42	57.0	9.11	55.1	8.69	53.5	8.43	49.9	7.92	
60	-24.8	-25	49.2	22.44	49.2	22.92	48.9	23.65	47.3	22.40	45.7	21.24	42.7	20.15
	-21.8	-22	52.7	23.16	52.2	23.65	48.9	22.40	47.3	21.24	45.7	20.15	42.7	19.09
	-19.8	-20	55.1	23.65	52.2	22.77	48.9	21.57	47.3	20.46	45.7	19.41	42.7	18.39
	-18.8	-19	55.1	23.20	52.2	22.32	48.9	21.16	47.3	20.07	45.7	19.06	42.7	18.04
	-16.7	-17	55.1	22.26	52.2	21.40	48.9	20.29	47.3	19.26	45.7	18.29	42.7	17.31
	-13.7	-15	55.1	20.94	52.2	20.09	48.9	19.05	47.3	18.10	45.7	17.20	42.7	16.25
	-11.8	-13	55.1	20.09	52.2	19.25	48.9	18.27	47.3	17.36	45.7	16.50	42.7	15.59
	-9.8	-11	55.1	19.20	52.2	18.37	48.9	17.43	47.3	16.59	45.7	15.78	42.7	14.88
	-9.5	-10	55.1	19.07	52.2	18.24	48.9	17.31	47.3	16.47	45.7	15.67	42.7	14.78
	-8.5	-9.1	55.1	18.62	52.2	17.80	48.9	16.89	47.3	16.08	45.7	15.30	42.7	14.43
	-7.0	-7.6	55.1	17.96	52.2	17.14	48.9	16.28	47.3	15.50	45.7	14.76	42.7	13.90
	-5.0	-5.6	55.1	17.07	52.2	16.26	48.9	15.45	47.3	14.72	45.7	14.03	42.7	13.19
	-3.0	-3.7	55.1	16.18	52.2	15.38	48.9	14.62	47.3	13.95	45.7	13.30	42.7	12.50
	0.0	-0.7	55.1	14.85	52.2	14.07	48.9	13.38	47.3	12.78	45.7	12.21	42.7	11.44
	3.0	2.2	55.1	13.52	52.2	12.75	48.9	12.13	47.3	11.63	45.7	11.12	42.7	10.39
	5.0	4.1	55.1	12.62	52.2	11.87	48.9	11.31	47.3	10.85	45.7	10.39	42.7	9.69
	7.0	6.0	55.1	11.74	52.2	10.99	48.9	10.48	47.3	10.07	45.7	9.66	42.7	8.98
	9.0	7.9	55.1	10.47	52.2	9.80	48.9	9.35	47.3	8.98	45.7	8.62	42.7	8.01
	11.0	9.8	55.1	9.78	52.2	9.16	48.9	8.73	47.3	8.39	45.7	8.05	42.7	7.48
	13.0	11.8	55.1	9.16	52.2	8.58	48.9	8.18	47.3	7.86	45.7	7.54	42.7	7.01
15.0	13.7	55.1	8.65	52.2	8.11	48.9	7.74	47.3	7.43	45.7	7.13	42.7	6.63	
50	-24.8	-25	46.0	20.12	43.4	20.84	40.7	19.71	39.4	18.66	38.1	17.66	35.5	16.74
	-21.8	-22	46.0	20.84	43.4	19.71	40.7	18.66	39.4	17.66	38.1	16.74	35.5	15.85
	-19.8	-20	46.0	20.05	43.4	18.96	40.7	17.95	39.4	17.00	38.1	16.12	35.5	15.26
	-18.8	-19	46.0	19.65	43.4	18.58	40.7	17.61	39.4	16.66	38.1	15.81	35.5	14.96
	-16.7	-17	46.0	18.83	43.4	17.79	40.7	16.87	39.4	15.97	38.1	15.16	35.5	14.34
	-13.7	-15	46.0	17.64	43.4	16.66	40.7	15.82	39.4	14.98	38.1	14.24	35.5	13.46
	-11.8	-13	46.0	16.89	43.4	15.95	40.7	15.14	39.4	14.34	38.1	13.66	35.5	12.89
	-9.8	-11	46.0	16.10	43.4	15.19	40.7	14.44	39.4	13.69	38.1	13.04	35.5	12.30
	-9.5	-10	46.0	15.98	43.4	15.08	40.7	14.33	39.4	13.59	38.1	12.95	35.5	12.22
	-8.5	-9.1	46.0	15.59	43.4	14.70	40.7	13.99	39.4	13.25	38.1	12.63	35.5	11.92
	-7.0	-7.6	46.0	15.00	43.4	14.14	40.7	13.46	39.4	12.76	38.1	12.18	35.5	11.47
	-5.0	-5.6	46.0	14.20	43.4	13.38	40.7	12.76	39.4	12.09	38.1	11.56	35.5	10.88
	-3.0	-3.7	46.0	13.42	43.4	12.64	40.7	12.05	39.4	11.43	38.1	10.95	35.5	10.29
	0.0	-0.7	46.0	12.24	43.4	11.50	40.7	10.99	39.4	10.44	38.1	10.02	35.5	9.40
	3.0	2.2	46.0	11.05	43.4	10.37	40.7	9.95	39.4	9.43	38.1	9.09	35.5	8.52
	5.0	4.1	46.0	10.26	43.4	9.61	40.7	9.24	39.4	8.78	38.1	8.48	35.5	7.93
	7.0	6.0	46.0	9.47	43.4	8.87	40.7	8.54	39.4	8.11	38.1	7.86	35.5	7.34
	9.0	7.9	46.0	8.55	43.4	8.01	40.7	7.71	39.4	7.32	38.1	7.10	35.5	6.62
	11.0	9.8	46.0	8.00	43.4	7.49	40.7	7.21	39.4	6.86	38.1	6.64	35.5	6.19
	13.0	11.8	46.0	7.52	43.4	7.03	40.7	6.77	39.4	6.44	38.1	6.24	35.5	5.82
15.0	13.7	46.0	7.10	43.4	6.66	40.7	6.41	39.4	6.09	38.1	5.90	35.5	5.51	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN280BTE5

Heating Capacity (28HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	52.6	26.07	52.6	26.55	52.3	26.98	52.3	27.63	52.3	28.25	52.2	29.21
	-21.8	-22	63.6	27.04	63.6	27.53	63.2	27.96	63.2	28.60	63.2	29.21	63.1	30.19
	-19.8	-20	66.9	27.69	66.9	28.18	66.5	28.60	66.5	29.25	66.5	29.86	66.4	30.84
	-18.8	-19	68.6	28.01	68.6	28.50	68.2	28.92	68.2	29.57	68.2	30.19	68.1	31.17
	-16.7	-17	72.1	28.70	72.1	29.19	71.7	29.61	71.7	30.26	71.7	30.87	71.5	31.85
	-13.7	-15	77.1	29.68	77.1	30.15	76.6	30.58	76.6	31.23	76.6	31.85	76.4	30.59
	-11.8	-13	79.7	30.29	79.7	30.77	79.2	31.20	79.2	31.85	79.2	31.00	79.2	29.79
	-9.8	-11	82.5	30.93	82.5	31.42	81.9	31.85	81.9	30.93	81.9	30.10	81.9	28.95
	-9.5	-10	83.2	31.04	83.2	31.53	82.7	31.70	82.7	30.80	82.3	29.97	82.3	28.82
	-8.5	-9.1	86.0	31.36	86.0	31.85	85.5	31.24	85.5	30.34	83.7	29.52	83.7	28.41
	-7.0	-7.6	90.3	31.85	90.3	31.16	89.6	30.53	89.6	29.66	89.6	28.85	87.6	27.78
	-5.0	-5.6	95.9	30.94	95.9	30.23	95.2	29.60	95.2	28.74	95.2	27.95	90.8	26.94
	-3.0	-3.7	101.5	30.04	101.5	29.31	100.8	28.66	100.8	27.84	100.8	27.06	94.1	26.10
	0.0	-0.7	109.8	28.67	109.8	27.92	109.1	27.25	108.0	26.47	105.8	25.71	98.8	24.85
	3.0	2.2	112.7	27.32	112.7	26.54	112.2	25.85	110.6	25.10	106.9	24.38	99.6	23.58
	5.0	4.1	114.0	26.42	114.0	25.61	113.6	24.91	110.8	24.19	106.9	23.48	99.6	22.74
	7.0	6.0	114.0	25.51	114.0	24.69	113.6	23.98	110.8	23.27	106.9	22.59	99.6	21.91
	9.0	7.9	114.0	24.76	114.0	23.96	113.6	23.27	110.8	22.59	106.9	21.91	99.6	21.26
	11.0	9.8	114.0	24.22	114.0	23.44	113.6	22.76	110.8	22.09	106.9	21.44	99.6	20.80
	13.0	11.8	114.0	23.64	114.0	22.89	113.6	22.22	110.8	21.57	106.9	20.93	99.6	20.31
15.0	13.7	114.0	23.02	114.0	22.29	113.6	21.64	110.8	21.01	106.9	20.38	99.6	19.78	
120	-24.8	-25	52.3	26.55	52.3	26.98	51.9	27.63	51.9	28.25	51.9	29.21	51.8	29.90
	-21.8	-22	63.2	27.53	63.2	27.96	62.8	28.60	62.8	29.21	62.8	30.19	62.7	30.87
	-19.8	-20	66.5	28.18	66.5	28.60	66.0	29.25	66.0	29.86	66.0	30.84	65.9	31.53
	-18.8	-19	68.1	28.50	68.1	28.92	67.7	29.57	67.7	30.19	67.7	31.17	67.6	31.85
	-16.7	-17	71.6	29.19	71.6	29.61	71.2	30.26	71.2	30.87	71.2	31.85	71.0	31.03
	-13.7	-15	76.5	30.15	76.5	30.58	76.0	31.23	76.0	31.85	76.0	30.64	75.9	29.88
	-11.8	-13	79.1	30.77	79.1	31.20	78.6	31.85	78.6	30.99	78.6	29.87	78.6	29.15
	-9.8	-11	81.8	31.42	81.8	31.85	81.3	30.90	81.3	30.09	81.3	29.06	81.3	28.38
	-9.5	-10	82.7	31.53	82.7	31.70	82.2	30.76	82.2	29.95	82.2	28.95	82.2	28.26
	-8.5	-9.1	85.5	31.85	85.5	31.19	84.9	30.29	84.9	29.50	84.4	28.55	84.4	27.87
	-7.0	-7.6	89.6	31.09	89.6	30.44	89.1	29.57	89.1	28.83	87.0	27.94	86.9	27.30
	-5.0	-5.6	95.2	30.09	95.2	29.43	94.5	28.62	94.5	27.93	94.5	27.13	90.2	26.52
	-3.0	-3.7	100.7	29.09	100.7	28.43	100.1	27.68	100.1	27.03	99.2	26.33	92.9	25.76
	0.0	-0.7	109.0	27.58	108.5	26.93	105.7	26.27	103.7	25.66	100.6	25.12	93.5	24.60
	3.0	2.2	111.9	26.07	111.2	25.42	107.5	24.84	103.9	24.31	100.6	23.91	93.5	23.44
	5.0	4.1	113.1	25.07	111.9	24.42	107.5	23.90	103.9	23.41	100.6	23.10	93.5	22.67
	7.0	6.0	113.1	24.06	111.9	23.41	107.5	22.95	103.9	22.51	100.6	22.30	93.5	21.90
	9.0	7.9	113.1	23.30	111.9	22.67	107.5	22.23	103.9	21.79	100.6	21.59	93.5	21.21
	11.0	9.8	113.1	22.74	111.9	22.12	107.5	21.69	103.9	21.27	100.6	21.07	93.5	20.69
	13.0	11.8	113.1	22.14	111.9	21.54	107.5	21.12	103.9	20.71	100.6	20.51	93.5	20.15
15.0	13.7	113.1	21.50	111.9	20.92	107.5	20.50	103.9	20.11	100.6	19.93	93.5	19.57	
110	-24.8	-25	51.9	26.98	51.9	27.63	51.7	28.25	51.7	29.21	51.7	29.90	51.6	30.22
	-21.8	-22	62.9	27.96	62.9	28.60	62.5	29.21	62.5	30.19	62.5	30.87	62.4	31.20
	-19.8	-20	66.1	28.60	66.1	29.25	65.7	29.86	65.7	30.84	65.7	31.53	65.5	31.85
	-18.8	-19	67.7	28.92	67.7	29.57	67.3	30.19	67.3	31.17	67.3	31.85	67.2	31.42
	-16.7	-17	71.2	29.61	71.2	30.26	70.8	30.87	70.8	31.85	70.8	30.97	70.6	30.53
	-13.7	-15	76.2	30.58	76.2	31.23	75.6	31.85	75.6	30.52	75.6	29.72	75.6	29.26
	-11.8	-13	78.7	31.20	78.7	31.85	78.2	30.91	78.2	29.69	78.2	28.93	78.2	28.45
	-9.8	-11	81.4	31.85	81.4	30.78	80.9	29.93	80.9	28.81	80.9	28.10	80.9	27.60
	-9.5	-10	82.2	31.68	82.2	30.63	81.8	29.78	81.8	28.67	81.8	27.98	81.8	27.47
	-8.5	-9.1	85.0	31.11	85.0	30.10	84.4	29.29	84.4	28.23	84.1	27.56	83.6	27.05
	-7.0	-7.6	89.1	30.24	89.1	29.31	88.6	28.54	88.6	27.56	87.1	26.94	84.2	26.41
	-5.0	-5.6	94.7	29.11	94.7	28.25	94.0	27.56	93.0	26.69	89.2	26.11	84.2	25.57
	-3.0	-3.7	100.1	27.96	100.1	27.19	96.4	26.58	93.3	25.81	90.1	25.28	84.2	24.71
	0.0	-0.7	106.5	26.24	102.7	25.61	96.4	25.10	93.3	24.48	90.1	24.03	84.2	23.44
	3.0	2.2	108.7	24.53	102.7	24.02	96.4	23.63	93.3	23.16	90.1	22.78	84.2	22.17
	5.0	4.1	108.7	23.38	102.7	22.97	96.4	22.64	93.3	22.28	90.1	21.95	84.2	21.32
	7.0	6.0	108.7	22.24	102.7	21.90	96.4	21.66	93.3	21.39	90.1	21.12	84.2	20.47
	9.0	7.9	108.7	21.44	102.7	21.11	96.4	20.88	93.3	20.62	90.1	20.36	84.2	19.73
	11.0	9.8	108.7	20.82	102.7	20.51	96.4	20.28	93.3	20.04	90.1	19.77	84.2	19.17
	13.0	11.8	108.7	20.17	102.7	19.87	96.4	19.64	93.3	19.40	90.1	19.15	84.2	18.56
15.0	13.7	108.7	19.47	102.7	19.18	96.4	18.97	93.3	18.73	90.1	18.49	84.2	17.91	

# 7. Capacity Tables

Heating Capacity (28HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	51.7	30.04	51.7	30.28	51.4	29.36	51.4	30.87	51.4	31.12	51.3	31.25
	-21.8	-22	62.5	30.40	62.5	30.64	62.2	30.29	62.2	31.23	62.2	31.92	62.0	31.60
	-19.8	-20	65.8	30.64	65.8	30.89	65.4	30.91	65.4	31.48	65.4	31.87	65.3	31.85
	-18.8	-19	67.5	30.76	67.0	31.00	67.0	31.23	67.0	31.59	67.0	31.85	66.9	31.34
	-16.7	-17	70.5	31.01	70.5	31.26	70.5	31.92	70.1	31.85	70.1	30.78	69.9	30.25
	-13.7	-15	75.8	31.37	75.8	31.62	75.3	31.85	75.3	30.30	75.3	29.26	75.2	28.70
	-11.8	-13	78.3	31.60	77.9	31.85	77.9	30.81	77.9	29.31	77.9	28.29	76.7	27.73
	-9.8	-11	80.9	31.85	80.9	30.68	80.6	29.71	80.6	28.28	80.6	27.28	76.9	26.70
	-9.5	-10	81.8	31.66	81.8	30.50	81.4	29.54	81.4	28.12	81.2	27.13	76.9	26.54
	-8.5	-9.1	84.5	31.04	84.5	29.92	84.1	28.99	85.4	27.61	82.6	26.62	76.9	26.03
	-7.0	-7.6	90.1	30.12	89.8	29.04	88.2	28.17	85.4	26.83	82.6	25.86	76.9	25.26
	-5.0	-5.6	94.1	28.90	93.1	27.87	88.2	27.08	85.4	25.80	82.6	24.84	76.9	24.22
	-3.0	-3.7	96.8	27.67	93.8	26.70	88.2	25.98	85.4	24.77	82.6	23.83	76.9	23.19
	0.0	-0.7	99.5	25.83	93.8	24.95	88.2	24.33	85.4	23.22	82.6	22.31	76.9	21.65
	3.0	2.2	99.5	23.99	93.8	23.19	88.2	22.68	85.4	21.67	82.6	20.79	76.9	20.10
	5.0	4.1	99.5	22.76	93.8	22.02	88.2	21.59	85.4	20.64	82.6	19.77	76.9	19.07
	7.0	6.0	99.5	21.53	93.8	20.85	88.2	20.49	85.4	19.61	82.6	18.76	76.9	18.03
9.0	7.9	99.5	20.55	93.8	19.90	88.2	19.56	85.4	18.70	82.6	17.90	76.9	17.22	
11.0	9.8	99.5	19.73	93.8	19.12	88.2	18.78	85.4	17.97	82.6	17.19	76.9	16.53	
13.0	11.8	99.5	18.87	93.8	18.28	88.2	17.96	85.4	17.18	82.6	16.44	76.9	15.81	
15.0	13.7	99.5	17.96	93.8	17.39	88.2	17.09	85.4	16.36	82.6	15.65	76.9	15.05	
90	-24.8	-25	51.5	26.65	51.5	27.63	51.2	28.31	51.2	28.64	51.2	29.29	51.1	30.25
	-21.8	-22	62.3	27.63	62.3	28.60	62.0	29.29	62.0	29.60	62.0	30.25	61.8	28.95
	-19.8	-20	65.6	28.28	65.6	29.25	65.1	29.93	65.1	30.25	65.1	29.37	65.0	28.08
	-18.8	-19	67.5	28.60	67.0	29.58	66.8	30.25	66.8	29.79	66.8	28.91	66.7	27.64
	-16.7	-17	70.5	29.29	70.5	30.25	70.1	29.30	70.1	28.83	70.1	27.98	69.3	26.72
	-13.7	-15	75.8	30.25	75.8	28.84	75.1	27.95	75.1	27.45	74.5	26.64	70.3	25.42
	-11.8	-13	78.3	29.29	77.9	27.95	77.6	27.08	77.0	26.57	75.6	25.79	70.3	24.59
	-9.8	-11	80.9	28.26	80.9	27.00	79.6	26.18	78.2	25.66	75.6	24.90	70.3	23.72
	-9.5	-10	81.8	28.11	81.8	26.86	80.2	26.04	78.2	25.52	75.6	24.76	70.3	23.59
	-8.5	-9.1	84.5	27.60	83.9	26.39	80.7	25.59	78.2	25.06	75.6	24.32	70.3	23.15
	-7.0	-7.6	90.1	26.83	85.7	25.68	80.7	24.90	78.2	24.37	75.6	23.64	70.3	22.50
	-5.0	-5.6	91.1	25.81	85.7	24.73	80.7	24.00	78.2	23.45	75.6	22.76	70.3	21.63
	-3.0	-3.7	91.1	24.79	85.7	23.79	80.7	23.09	78.2	22.52	75.6	21.86	70.3	20.76
	0.0	-0.7	91.1	23.25	85.7	22.37	80.7	21.73	78.2	21.15	75.6	20.52	70.3	19.45
	3.0	2.2	91.1	21.72	85.7	20.96	80.7	20.37	78.2	19.76	75.6	19.18	70.3	18.14
	5.0	4.1	91.1	20.70	85.7	20.01	80.7	19.47	78.2	18.84	75.6	18.29	70.3	17.27
	7.0	6.0	91.1	19.68	85.7	19.07	80.7	18.56	78.2	17.93	75.6	17.39	70.3	16.40
9.0	7.9	91.1	18.72	85.7	18.13	80.7	17.65	78.2	17.04	75.6	16.54	70.3	15.60	
11.0	9.8	91.1	17.75	85.7	17.20	80.7	16.75	78.2	16.17	75.6	15.70	70.3	14.80	
13.0	11.8	91.1	16.79	85.7	16.28	80.7	15.83	78.2	15.29	75.6	14.84	70.3	13.99	
15.0	13.7	91.1	15.83	85.7	15.34	80.7	14.92	78.2	14.42	75.6	13.99	70.3	13.19	
80	-24.8	-25	51.3	23.22	51.3	24.20	51.0	24.89	51.0	25.20	51.0	26.83	50.9	25.68
	-21.8	-22	61.6	24.20	61.6	25.18	61.6	25.85	61.6	26.83	61.6	25.68	61.0	24.57
	-19.8	-20	64.9	24.85	64.9	25.83	64.9	26.83	64.9	26.01	64.9	24.91	62.8	23.84
	-18.8	-19	66.5	25.18	66.5	26.83	66.5	26.42	66.5	25.61	66.0	24.53	62.8	23.47
	-16.7	-17	70.1	26.83	70.1	25.97	70.1	25.56	69.2	24.76	67.5	23.73	62.8	22.69
	-13.7	-15	75.4	25.56	74.0	24.74	72.2	24.32	70.0	23.54	67.5	22.58	62.8	21.59
	-11.8	-13	77.4	24.74	75.1	23.97	72.2	23.53	70.0	22.77	67.5	21.85	62.8	20.89
	-9.8	-11	79.1	23.90	76.0	23.14	72.2	22.71	70.0	21.96	67.5	21.08	62.8	20.16
	-9.5	-10	79.6	23.77	76.4	23.02	72.2	22.59	70.0	21.84	67.5	20.96	62.8	20.05
	-8.5	-9.1	80.6	23.35	76.9	22.61	72.2	22.17	70.0	21.42	67.5	20.58	62.8	19.68
	-7.0	-7.6	81.6	22.71	76.9	22.00	72.2	21.56	70.0	20.82	67.5	20.00	62.8	19.13
	-5.0	-5.6	81.6	21.86	76.9	21.18	72.2	20.74	70.0	20.01	67.5	19.24	62.8	18.39
	-3.0	-3.7	81.6	21.01	76.9	20.36	72.2	19.91	70.0	19.19	67.5	18.47	62.8	17.66
	0.0	-0.7	81.6	19.73	76.9	19.13	72.2	18.67	70.0	17.98	67.5	17.32	62.8	16.55
	3.0	2.2	81.6	18.46	76.9	17.91	72.2	17.44	70.0	16.76	67.5	16.17	62.8	15.45
	5.0	4.1	81.6	17.60	76.9	17.08	72.2	16.62	70.0	15.95	67.5	15.40	62.8	14.71
	7.0	6.0	81.6	16.76	76.9	16.27	72.2	15.79	70.0	15.13	67.5	14.64	62.8	13.98
9.0	7.9	81.6	15.73	76.9	15.27	72.2	14.83	70.0	14.21	67.5	13.74	62.8	13.12	
11.0	9.8	81.6	14.61	76.9	14.18	72.2	13.76	70.0	13.19	67.5	12.76	62.8	12.18	
13.0	11.8	81.6	13.63	76.9	13.24	72.2	12.85	70.0	12.31	67.5	11.91	62.8	11.37	
15.0	13.7	81.6	12.83	76.9	12.46	72.2	12.09	70.0	11.59	67.5	11.20	62.8	10.70	

# 7. Capacity Tables

Heating Capacity (28HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	51.3	23.91	51.3	24.23	51.0	24.89	51.0	25.85	51.0	24.64	50.8	23.50
	-21.8	-22	60.6	24.89	60.9	25.20	60.4	25.85	59.3	24.64	57.6	23.50	53.7	22.39
	-19.8	-20	64.8	25.53	64.2	25.85	61.4	25.00	59.3	23.82	57.6	22.73	53.7	21.66
	-18.8	-19	66.5	25.85	65.1	25.41	61.4	24.57	59.3	23.42	57.6	22.36	53.7	21.28
	-16.7	-17	68.8	24.94	65.3	24.49	61.4	23.67	59.3	22.56	57.6	21.55	53.7	20.51
	-13.7	-15	69.1	23.63	65.3	23.16	61.4	22.40	59.3	21.34	57.6	20.41	53.7	19.41
	-11.8	-13	69.1	22.80	65.3	22.32	61.4	21.58	59.3	20.57	57.6	19.69	53.7	18.71
	-9.8	-11	69.1	21.93	65.3	21.43	61.4	20.72	59.3	19.76	57.6	18.93	53.7	17.97
	-9.5	-10	69.1	21.79	65.3	21.30	61.4	20.60	59.3	19.63	57.6	18.81	53.7	17.86
	-8.5	-9.1	69.1	21.36	65.3	20.86	61.4	20.17	59.3	19.23	57.6	18.43	53.7	17.49
	-7.0	-7.6	69.1	20.70	65.3	20.19	61.4	19.52	59.3	18.61	57.6	17.86	53.7	16.94
	-5.0	-5.6	69.1	19.83	65.3	19.31	61.4	18.67	59.3	17.80	57.6	17.10	53.7	16.21
	-3.0	-3.7	69.1	18.95	65.3	18.43	61.4	17.81	59.3	16.99	57.6	16.34	53.7	15.46
	0.0	-0.7	69.1	17.65	65.3	17.10	61.4	16.54	59.3	15.77	57.6	15.20	53.7	14.36
	3.0	2.2	69.1	16.34	65.3	15.77	61.4	15.25	59.3	14.55	57.6	14.05	53.7	13.26
	5.0	4.1	69.1	15.47	65.3	14.89	61.4	14.39	59.3	13.73	57.6	13.30	53.7	12.52
	7.0	6.0	69.1	14.59	65.3	14.00	61.4	13.54	59.3	12.93	57.6	12.54	53.7	11.78
9.0	7.9	69.1	13.17	65.3	12.64	61.4	12.22	59.3	11.67	57.6	11.32	53.7	10.64	
11.0	9.8	69.1	12.27	65.3	11.78	61.4	11.39	59.3	10.86	57.6	10.54	53.7	9.91	
13.0	11.8	69.1	11.48	65.3	11.02	61.4	10.65	59.3	10.17	57.6	9.86	53.7	9.27	
15.0	13.7	69.1	10.83	65.3	10.39	61.4	10.04	59.3	9.59	57.6	9.29	53.7	8.74	
60	-24.8	-25	50.7	23.26	50.7	23.91	50.4	24.89	49.6	23.62	48.9	22.45	46.0	21.33
	-21.8	-22	55.8	24.23	56.2	24.89	52.7	23.62	50.9	22.45	49.2	21.33	46.0	20.25
	-19.8	-20	59.3	24.89	56.2	24.00	52.7	22.79	50.9	21.66	49.2	20.59	46.0	19.54
	-18.8	-19	59.3	24.44	56.2	23.55	52.7	22.37	50.9	21.26	49.2	20.22	46.0	19.18
	-16.7	-17	59.3	23.50	56.2	22.62	52.7	21.48	50.9	20.44	49.2	19.44	46.0	18.43
	-13.7	-15	59.3	22.17	56.2	21.29	52.7	20.23	50.9	19.25	49.2	18.33	46.0	17.35
	-11.8	-13	59.3	21.32	56.2	20.45	52.7	19.44	50.9	18.50	49.2	17.62	46.0	16.67
	-9.8	-11	59.3	20.43	56.2	19.56	52.7	18.59	50.9	17.72	49.2	16.88	46.0	15.95
	-9.5	-10	59.3	20.29	56.2	19.43	52.7	18.47	50.9	17.60	49.2	16.77	46.0	15.84
	-8.5	-9.1	59.3	19.84	56.2	18.99	52.7	18.05	50.9	17.21	49.2	16.40	46.0	15.48
	-7.0	-7.6	59.3	19.18	56.2	18.32	52.7	17.42	50.9	16.62	49.2	15.85	46.0	14.94
	-5.0	-5.6	59.3	18.29	56.2	17.44	52.7	16.59	50.9	15.83	49.2	15.10	46.0	14.22
	-3.0	-3.7	59.3	17.40	56.2	16.55	52.7	15.75	50.9	15.05	49.2	14.36	46.0	13.51
	0.0	-0.7	59.3	16.06	56.2	15.22	52.7	14.49	50.9	13.86	49.2	13.25	46.0	12.43
	3.0	2.2	59.3	14.73	56.2	13.90	52.7	13.23	50.9	12.69	49.2	12.14	46.0	11.35
	5.0	4.1	59.3	13.83	56.2	13.01	52.7	12.40	50.9	11.90	49.2	11.40	46.0	10.63
	7.0	6.0	59.3	12.95	56.2	12.12	52.7	11.56	50.9	11.10	49.2	10.66	46.0	9.91
9.0	7.9	59.3	11.54	56.2	10.81	52.7	10.32	50.9	9.91	49.2	9.51	46.0	8.84	
11.0	9.8	59.3	10.78	56.2	10.10	52.7	9.63	50.9	9.25	49.2	8.88	46.0	8.25	
13.0	11.8	59.3	10.10	56.2	9.46	52.7	9.02	50.9	8.67	49.2	8.32	46.0	7.73	
15.0	13.7	59.3	9.54	56.2	8.95	52.7	8.53	50.9	8.19	49.2	7.86	46.0	7.31	
50	-24.8	-25	49.5	21.30	46.7	22.28	43.9	21.09	42.5	19.99	41.1	18.95	38.3	17.98
	-21.8	-22	49.5	22.28	46.7	21.09	43.9	19.99	42.5	18.95	41.1	17.98	38.3	17.04
	-19.8	-20	49.5	21.45	46.7	20.31	43.9	19.26	42.5	18.26	41.1	17.34	38.3	16.42
	-18.8	-19	49.5	21.04	46.7	19.91	43.9	18.89	42.5	17.90	41.1	17.01	38.3	16.12
	-16.7	-17	49.5	20.18	46.7	19.09	43.9	18.12	42.5	17.18	41.1	16.33	38.3	15.46
	-13.7	-15	49.5	18.94	46.7	17.91	43.9	17.02	42.5	16.14	41.1	15.36	38.3	14.53
	-11.8	-13	49.5	18.17	46.7	17.17	43.9	16.32	42.5	15.47	41.1	14.75	38.3	13.94
	-9.8	-11	49.5	17.34	46.7	16.38	43.9	15.58	42.5	14.79	41.1	14.10	38.3	13.31
	-9.5	-10	49.5	17.22	46.7	16.27	43.9	15.47	42.5	14.68	41.1	14.01	38.3	13.23
	-8.5	-9.1	49.5	16.81	46.7	15.87	43.9	15.11	42.5	14.33	41.1	13.68	38.3	12.91
	-7.0	-7.6	49.5	16.19	46.7	15.28	43.9	14.56	42.5	13.81	41.1	13.20	38.3	12.44
	-5.0	-5.6	49.5	15.37	46.7	14.49	43.9	13.83	42.5	13.12	41.1	12.55	38.3	11.82
	-3.0	-3.7	49.5	14.55	46.7	13.71	43.9	13.09	42.5	12.42	41.1	11.90	38.3	11.20
	0.0	-0.7	49.5	13.32	46.7	12.53	43.9	11.98	42.5	11.38	41.1	10.93	38.3	10.26
	3.0	2.2	49.5	12.08	46.7	11.35	43.9	10.89	42.5	10.33	41.1	9.96	38.3	9.33
	5.0	4.1	49.5	11.27	46.7	10.56	43.9	10.15	42.5	9.64	41.1	9.32	38.3	8.71
	7.0	6.0	49.5	10.44	46.7	9.78	43.9	9.42	42.5	8.95	41.1	8.66	38.3	8.09
9.0	7.9	49.5	9.43	46.7	8.83	43.9	8.51	42.5	8.08	41.1	7.83	38.3	7.30	
11.0	9.8	49.5	8.83	46.7	8.26	43.9	7.95	42.5	7.56	41.1	7.32	38.3	6.83	
13.0	11.8	49.5	8.29	46.7	7.76	43.9	7.47	42.5	7.10	41.1	6.88	38.3	6.42	
15.0	13.7	49.5	7.83	46.7	7.34	43.9	7.07	42.5	6.71	41.1	6.51	38.3	6.07	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN300BTE5

Heating Capacity (30HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	61.2	30.25	61.2	30.60	60.8	30.89	60.8	31.34	60.8	31.78	60.0	32.45
	-21.8	-22	72.6	30.94	72.6	31.28	72.1	31.57	72.1	32.02	72.1	32.45	71.2	33.13
	-19.8	-20	75.7	31.39	75.7	31.73	75.2	32.02	75.2	32.48	75.2	32.90	74.2	33.58
	-18.8	-19	77.3	31.61	77.3	31.95	76.8	32.25	76.8	32.70	76.8	33.13	75.8	33.81
	-16.7	-17	80.7	32.09	80.7	32.43	80.1	32.73	80.1	33.18	80.1	33.60	79.0	34.28
	-13.7	-15	85.5	32.77	85.5	33.10	84.9	33.40	84.9	33.85	84.9	34.28	83.8	32.79
	-11.8	-13	88.2	33.20	88.2	33.54	87.7	33.83	87.7	34.28	87.7	33.27	86.7	31.84
	-9.8	-11	91.2	33.65	91.2	33.99	90.6	34.28	90.6	33.17	90.6	32.19	89.6	30.85
	-9.5	-10	91.7	33.72	91.7	34.06	91.2	34.11	91.2	33.01	91.0	32.03	90.1	30.70
	-8.5	-9.1	93.7	33.94	93.7	34.28	93.2	33.53	93.2	32.46	92.5	31.50	91.5	30.20
	-7.0	-7.6	96.7	34.28	96.7	33.42	96.1	32.67	96.1	31.63	96.1	30.69	94.4	29.45
	-5.0	-5.6	100.7	33.12	100.7	32.27	100.0	31.52	100.0	30.52	100.0	29.62	97.4	28.46
	-3.0	-3.7	104.6	31.97	104.6	31.11	103.9	30.37	103.9	29.42	103.9	28.54	100.6	27.47
	0.0	-0.7	110.4	30.23	110.4	29.38	109.8	28.63	109.8	27.76	109.8	26.93	105.0	25.97
	3.0	2.2	116.4	28.50	116.4	27.65	115.6	26.91	115.6	26.11	114.1	25.33	106.7	24.47
	5.0	4.1	119.8	27.35	119.8	26.50	119.2	25.76	118.0	25.00	114.6	24.25	106.7	23.48
	7.0	6.0	122.0	26.19	122.0	25.34	121.3	24.61	118.7	23.89	114.6	23.18	106.7	22.48
9.0	7.9	122.2	25.21	122.2	24.40	121.8	23.69	118.7	23.00	114.6	22.31	106.7	21.65	
11.0	9.8	122.2	24.45	122.2	23.66	121.8	22.97	118.7	22.30	114.6	21.63	106.7	20.99	
13.0	11.8	122.2	23.63	122.2	22.87	121.8	22.21	118.7	21.56	114.6	20.92	106.7	20.29	
15.0	13.7	122.2	22.77	122.2	22.04	121.8	21.39	118.7	20.77	114.6	20.15	106.7	19.55	
120	-24.8	-25	60.8	30.60	60.8	30.89	60.4	31.34	60.4	31.78	60.4	32.45	59.6	32.93
	-21.8	-22	72.1	31.28	72.1	31.57	71.6	32.02	71.6	32.45	71.6	33.13	70.7	33.60
	-19.8	-20	75.1	31.73	75.1	32.02	74.6	32.48	74.6	32.90	74.6	33.58	73.7	34.06
	-18.8	-19	76.7	31.95	76.7	32.25	76.2	32.70	76.2	33.13	76.2	33.81	75.3	34.28
	-16.7	-17	80.1	32.43	80.1	32.73	79.6	33.18	79.6	33.60	79.6	34.28	78.5	33.32
	-13.7	-15	84.8	33.10	84.8	33.40	84.3	33.85	84.3	34.28	84.3	32.84	83.2	31.95
	-11.8	-13	87.6	33.54	87.6	33.83	87.0	34.28	87.0	33.25	87.0	31.92	86.1	31.08
	-9.8	-11	90.5	33.99	90.5	34.28	90.0	33.14	90.0	32.18	90.0	30.96	89.0	30.17
	-9.5	-10	91.1	34.06	91.1	34.10	90.6	32.97	90.6	32.02	90.6	30.82	89.6	30.02
	-8.5	-9.1	93.1	34.28	93.1	33.49	92.5	32.40	92.5	31.48	92.3	30.34	91.3	29.57
	-7.0	-7.6	96.0	33.36	96.0	32.57	95.4	31.54	95.4	30.67	94.8	29.62	93.7	28.89
	-5.0	-5.6	99.9	32.12	99.9	31.35	99.3	30.40	99.3	29.59	99.3	28.66	96.8	27.97
	-3.0	-3.7	103.9	30.88	103.9	30.13	103.2	29.26	103.2	28.51	103.2	27.69	99.4	27.06
	0.0	-0.7	109.7	29.03	109.7	28.30	109.0	27.55	109.0	26.88	107.8	26.25	100.2	25.68
	3.0	2.2	115.6	27.17	115.6	26.47	113.9	25.84	111.3	25.26	107.8	24.81	100.2	24.31
	5.0	4.1	118.9	25.94	118.4	25.25	115.2	24.70	111.3	24.18	107.8	23.85	100.2	23.39
	7.0	6.0	121.0	24.69	119.9	24.03	115.2	23.56	111.3	23.11	107.8	22.88	100.2	22.48
9.0	7.9	121.2	23.73	119.9	23.09	115.2	22.64	111.3	22.20	107.8	21.99	100.2	21.61	
11.0	9.8	121.2	22.97	119.9	22.35	115.2	21.91	111.3	21.49	107.8	21.28	100.2	20.90	
13.0	11.8	121.2	22.16	119.9	21.56	115.2	21.14	111.3	20.73	107.8	20.53	100.2	20.17	
15.0	13.7	121.2	21.30	119.9	20.73	115.2	20.32	111.3	19.93	107.8	19.74	100.2	19.39	
110	-24.8	-25	60.4	30.89	60.4	31.34	60.1	31.78	60.1	32.45	60.1	32.93	59.3	33.15
	-21.8	-22	71.8	31.57	71.8	32.02	71.3	32.45	71.3	33.13	71.3	33.60	70.4	33.83
	-19.8	-20	74.7	32.02	74.7	32.48	74.3	32.90	74.3	33.58	74.3	34.06	73.2	34.28
	-18.8	-19	76.3	32.25	76.3	32.70	75.8	33.13	75.8	33.81	75.8	34.28	74.8	33.79
	-16.7	-17	79.6	32.73	79.6	33.18	79.1	33.60	79.1	34.28	79.1	33.26	78.0	32.75
	-13.7	-15	84.4	33.40	84.4	33.85	83.8	34.28	83.8	32.72	83.8	31.79	83.8	31.27
	-11.8	-13	87.2	33.83	87.2	34.28	86.5	33.18	86.5	31.74	86.5	30.86	86.5	30.32
	-9.8	-11	90.0	34.28	90.0	33.02	89.5	32.02	89.5	30.70	89.5	29.88	88.8	29.33
	-9.5	-10	90.6	34.08	90.6	32.84	90.1	31.84	90.1	30.54	90.1	29.74	89.9	29.18
	-8.5	-9.1	92.6	33.40	92.6	32.21	92.0	31.25	92.0	30.02	92.0	29.25	90.2	28.69
	-7.0	-7.6	95.5	32.37	95.5	31.28	94.9	30.38	94.9	29.24	94.9	28.52	90.2	27.94
	-5.0	-5.6	99.4	31.01	99.4	30.02	98.7	29.22	98.7	28.20	96.5	27.54	90.2	26.96
	-3.0	-3.7	103.2	29.65	103.2	28.76	102.5	28.05	100.0	27.16	96.5	26.56	90.2	25.96
	0.0	-0.7	109.1	27.60	108.7	26.88	103.3	26.30	100.0	25.60	96.5	25.09	90.2	24.47
	3.0	2.2	114.5	25.55	110.1	24.99	103.3	24.56	100.0	24.04	96.5	23.63	90.2	22.99
	5.0	4.1	116.5	24.19	110.1	23.74	103.3	23.39	100.0	23.00	96.5	22.66	90.2	22.00
	7.0	6.0	116.5	22.83	110.1	22.48	103.3	22.23	100.0	21.96	96.5	21.68	90.2	21.01
9.0	7.9	116.5	21.84	110.1	21.51	103.3	21.28	100.0	21.01	96.5	20.75	90.2	20.10	
11.0	9.8	116.5	21.04	110.1	20.73	103.3	20.49	100.0	20.25	96.5	19.98	90.2	19.37	
13.0	11.8	116.5	20.20	110.1	19.90	103.3	19.67	100.0	19.44	96.5	19.18	90.2	18.59	
15.0	13.7	116.5	19.30	110.1	19.01	103.3	18.80	100.0	18.57	96.5	18.33	90.2	17.76	

# 7. Capacity Tables

Heating Capacity (30HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	60.1	33.16	60.1	33.31	59.8	32.01	59.8	33.68	59.8	33.83	59.0	33.92
	-21.8	-22	71.4	33.38	71.4	33.54	71.0	33.03	71.0	33.90	71.0	34.38	70.0	34.13
	-19.8	-20	74.4	33.54	74.4	33.69	73.9	33.68	73.9	34.06	73.9	34.32	73.0	34.28
	-18.8	-19	76.0	33.61	75.5	33.76	75.5	33.90	75.5	34.13	75.5	34.28	74.5	33.70
	-16.7	-17	78.8	33.76	78.8	33.92	78.8	34.38	78.4	34.28	78.4	33.06	77.3	32.46
	-13.7	-15	84.0	33.99	84.0	34.14	83.5	34.28	83.5	32.49	83.5	31.31	82.4	30.70
	-11.8	-13	86.7	34.13	86.2	34.28	86.2	33.07	86.2	31.35	86.2	30.20	82.4	29.58
	-9.8	-11	89.5	34.28	89.5	32.92	89.2	31.79	89.2	30.16	88.5	29.04	82.4	28.40
	-9.5	-10	90.1	34.06	90.1	32.71	89.7	31.59	89.7	29.98	88.5	28.86	82.4	28.22
	-8.5	-9.1	92.1	33.34	92.1	32.03	91.6	30.95	91.5	29.38	88.5	28.28	82.4	27.64
	-7.0	-7.6	96.5	32.25	96.2	31.00	94.5	29.99	91.5	28.48	88.5	27.41	82.4	26.76
	-5.0	-5.6	100.8	30.80	99.8	29.62	94.5	28.72	91.5	27.29	88.5	26.24	82.4	25.58
	-3.0	-3.7	103.7	29.35	100.5	28.25	94.5	27.44	91.5	26.09	88.5	25.08	82.4	24.40
	0.0	-0.7	106.6	27.17	100.5	26.20	94.5	25.51	91.5	24.30	88.5	23.33	82.4	22.64
	3.0	2.2	106.6	25.00	100.5	24.14	94.5	23.59	91.5	22.51	88.5	21.58	82.4	20.87
	5.0	4.1	106.6	23.55	100.5	22.77	94.5	22.31	91.5	21.32	88.5	20.41	82.4	19.69
	7.0	6.0	106.6	22.10	100.5	21.40	94.5	21.03	91.5	20.12	88.5	19.25	82.4	18.51
	9.0	7.9	106.6	20.84	100.5	20.18	94.5	19.83	91.5	18.96	88.5	18.15	82.4	17.45
	11.0	9.8	106.6	19.73	100.5	19.12	94.5	18.78	91.5	17.97	88.5	17.19	82.4	16.53
	13.0	11.8	106.6	18.57	100.5	17.99	94.5	17.68	91.5	16.91	88.5	16.17	82.4	15.56
15.0	13.7	106.6	17.35	100.5	16.80	94.5	16.52	91.5	15.80	88.5	15.12	82.4	14.54	
90	-24.8	-25	59.9	30.08	59.9	30.76	59.6	31.23	59.6	31.46	59.6	31.92	58.8	32.59
	-21.8	-22	71.1	30.76	71.1	31.44	70.7	31.92	70.7	32.14	70.7	32.59	69.7	31.11
	-19.8	-20	74.1	31.22	74.1	31.89	73.6	32.37	73.6	32.59	73.6	31.57	72.7	30.11
	-18.8	-19	76.0	31.44	75.5	32.12	75.2	32.59	75.2	32.06	75.2	31.05	74.2	29.61
	-16.7	-17	78.8	31.92	78.8	32.59	78.4	31.49	78.4	30.95	78.4	29.99	75.3	28.57
	-13.7	-15	84.0	32.59	84.0	30.95	83.2	29.92	83.2	29.36	81.1	28.45	75.3	27.09
	-11.8	-13	86.7	31.45	86.2	29.90	85.9	28.92	83.8	28.35	81.1	27.47	75.3	26.15
	-9.8	-11	89.5	30.26	89.5	28.80	86.5	27.87	83.8	27.30	81.1	26.45	75.3	25.16
	-9.5	-10	90.1	30.08	90.1	28.64	86.5	27.71	83.8	27.14	81.1	26.30	75.3	25.01
	-8.5	-9.1	92.1	29.48	91.4	28.09	86.5	27.18	83.8	26.61	81.1	25.79	75.3	24.51
	-7.0	-7.6	96.5	28.58	91.8	27.27	86.5	26.39	83.8	25.81	81.1	25.01	75.3	23.77
	-5.0	-5.6	97.6	27.38	91.8	26.16	86.5	25.34	83.8	24.76	81.1	24.00	75.3	22.78
	-3.0	-3.7	97.6	26.19	91.8	25.07	86.5	24.29	83.8	23.69	81.1	22.97	75.3	21.79
	0.0	-0.7	97.6	24.38	91.8	23.42	86.5	22.72	83.8	22.11	81.1	21.43	75.3	20.30
	3.0	2.2	97.6	22.59	91.8	21.77	86.5	21.15	83.8	20.51	81.1	19.90	75.3	18.81
	5.0	4.1	97.6	21.40	91.8	20.67	86.5	20.10	83.8	19.45	81.1	18.88	75.3	17.82
	7.0	6.0	97.6	20.20	91.8	19.57	86.5	19.05	83.8	18.40	81.1	17.85	75.3	16.83
	9.0	7.9	97.6	19.08	91.8	18.49	86.5	18.00	83.8	17.38	81.1	16.87	75.3	15.91
	11.0	9.8	97.6	17.97	91.8	17.41	86.5	16.95	83.8	16.37	81.1	15.89	75.3	14.98
	13.0	11.8	97.6	16.85	91.8	16.34	86.5	15.89	83.8	15.35	81.1	14.89	75.3	14.05
15.0	13.7	97.6	15.74	91.8	15.25	86.5	14.84	83.8	14.34	81.1	13.91	75.3	13.12	
80	-24.8	-25	59.6	26.38	59.6	27.07	59.3	27.55	59.3	27.77	59.3	28.90	58.5	27.59
	-21.8	-22	70.4	27.07	70.4	27.75	70.4	28.22	70.4	28.90	70.4	27.59	67.3	26.34
	-19.8	-20	73.3	27.52	73.3	28.20	73.3	28.90	73.3	27.97	72.1	26.72	67.3	25.51
	-18.8	-19	74.9	27.75	74.9	28.90	74.9	28.43	74.4	27.51	72.3	26.28	67.3	25.09
	-16.7	-17	77.3	28.90	77.3	27.90	77.3	27.44	75.0	26.53	72.3	25.37	67.3	24.21
	-13.7	-15	80.8	27.42	79.3	26.49	77.3	26.01	75.0	25.14	72.3	24.06	67.3	22.96
	-11.8	-13	83.3	26.48	80.8	25.59	77.3	25.11	75.0	24.26	72.3	23.23	67.3	22.17
	-9.8	-11	85.5	25.49	81.8	24.64	77.3	24.16	75.0	23.33	72.3	22.35	67.3	21.34
	-9.5	-10	86.0	25.34	82.2	24.50	77.3	24.02	75.0	23.20	72.3	22.22	67.3	21.22
	-8.5	-9.1	86.8	24.85	82.4	24.03	77.3	23.55	75.0	22.72	72.3	21.78	67.3	20.80
	-7.0	-7.6	87.4	24.11	82.4	23.32	77.3	22.84	75.0	22.03	72.3	21.13	67.3	20.18
	-5.0	-5.6	87.4	23.13	82.4	22.38	77.3	21.89	75.0	21.11	72.3	20.26	67.3	19.34
	-3.0	-3.7	87.4	22.13	82.4	21.43	77.3	20.94	75.0	20.17	72.3	19.38	67.3	18.51
	0.0	-0.7	87.4	20.65	82.4	20.01	77.3	19.52	75.0	18.78	72.3	18.07	67.3	17.26
	3.0	2.2	87.4	19.18	82.4	18.59	77.3	18.10	75.0	17.39	72.3	16.77	67.3	16.01
	5.0	4.1	87.4	18.18	82.4	17.64	77.3	17.16	75.0	16.46	72.3	15.90	67.3	15.18
	7.0	6.0	87.4	17.20	82.4	16.70	77.3	16.20	75.0	15.53	72.3	15.02	67.3	14.34
	9.0	7.9	87.4	16.15	82.4	15.68	77.3	15.22	75.0	14.59	72.3	14.10	67.3	13.47
	11.0	9.8	87.4	14.99	82.4	14.55	77.3	14.12	75.0	13.54	72.3	13.09	67.3	12.50
	13.0	11.8	87.4	13.99	82.4	13.59	77.3	13.19	75.0	12.64	72.3	12.22	67.3	11.67
15.0	13.7	87.4	13.17	82.4	12.79	77.3	12.41	75.0	11.89	72.3	11.50	67.3	10.99	

# 7. Capacity Tables

Heating Capacity (30HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	59.6	26.71	59.6	26.93	59.3	27.39	59.3	28.07	59.3	26.67	57.5	25.37
	-21.8	-22	66.3	27.39	66.3	27.62	65.8	28.07	63.6	26.67	61.7	25.37	57.5	24.12
	-19.8	-20	70.6	27.85	70.0	28.07	65.8	27.08	63.6	25.74	61.7	24.50	57.5	23.29
	-18.8	-19	72.6	28.07	70.0	27.55	65.8	26.59	63.6	25.28	61.7	24.07	57.5	22.87
	-16.7	-17	74.1	27.01	70.0	26.49	65.8	25.56	63.6	24.30	61.7	23.16	57.5	21.99
	-13.7	-15	74.1	25.49	70.0	24.95	65.8	24.09	63.6	22.90	61.7	21.86	57.5	20.74
	-11.8	-13	74.1	24.51	70.0	23.98	65.8	23.15	63.6	22.01	61.7	21.03	57.5	19.95
	-9.8	-11	74.1	23.50	70.0	22.96	65.8	22.16	63.6	21.09	61.7	20.16	57.5	19.11
	-9.5	-10	74.1	23.35	70.0	22.81	65.8	22.02	63.6	20.95	61.7	20.02	57.5	18.98
	-8.5	-9.1	74.1	22.85	70.0	22.30	65.8	21.53	63.6	20.48	61.7	19.59	57.5	18.56
	-7.0	-7.6	74.1	22.08	70.0	21.53	65.8	20.78	63.6	19.78	61.7	18.94	57.5	17.94
	-5.0	-5.6	74.1	21.07	70.0	20.51	65.8	19.80	63.6	18.85	61.7	18.08	57.5	17.11
	-3.0	-3.7	74.1	20.05	70.0	19.48	65.8	18.81	63.6	17.92	61.7	17.21	57.5	16.27
	0.0	-0.7	74.1	18.53	70.0	17.95	65.8	17.34	63.6	16.52	61.7	15.91	57.5	15.01
	3.0	2.2	74.1	17.01	70.0	16.42	65.8	15.86	63.6	15.13	61.7	14.60	57.5	13.77
	5.0	4.1	74.1	16.00	70.0	15.40	65.8	14.88	63.6	14.19	61.7	13.74	57.5	12.93
	7.0	6.0	74.1	14.97	70.0	14.37	65.8	13.89	63.6	13.27	61.7	12.87	57.5	12.09
9.0	7.9	74.1	13.52	70.0	12.98	65.8	12.54	63.6	11.97	61.7	11.62	57.5	10.92	
11.0	9.8	74.1	12.59	70.0	12.09	65.8	11.69	63.6	11.15	61.7	10.82	57.5	10.17	
13.0	11.8	74.1	11.79	70.0	11.31	65.8	10.93	63.6	10.44	61.7	10.12	57.5	9.51	
15.0	13.7	74.1	11.11	70.0	10.66	65.8	10.31	63.6	9.84	61.7	9.54	57.5	8.97	
60	-24.8	-25	56.8	26.26	56.8	26.71	56.5	27.39	54.5	25.92	52.7	24.56	49.3	23.27
	-21.8	-22	60.8	26.93	60.2	27.39	56.5	25.92	54.5	24.56	52.7	23.27	49.3	22.04
	-19.8	-20	63.6	27.39	60.2	26.36	56.5	24.95	54.5	23.64	52.7	22.41	49.3	21.21
	-18.8	-19	63.6	26.87	60.2	25.83	56.5	24.46	54.5	23.18	52.7	21.99	49.3	20.80
	-16.7	-17	63.6	25.76	60.2	24.74	56.5	23.43	54.5	22.23	52.7	21.09	49.3	19.94
	-13.7	-15	63.6	24.18	60.2	23.19	56.5	21.97	54.5	20.85	52.7	19.80	49.3	18.70
	-11.8	-13	63.6	23.18	60.2	22.20	56.5	21.05	54.5	19.98	52.7	18.98	49.3	17.92
	-9.8	-11	63.6	22.13	60.2	21.16	56.5	20.06	54.5	19.08	52.7	18.13	49.3	17.09
	-9.5	-10	63.6	21.97	60.2	21.01	56.5	19.92	54.5	18.94	52.7	18.01	49.3	16.97
	-8.5	-9.1	63.6	21.44	60.2	20.48	56.5	19.43	54.5	18.48	52.7	17.57	49.3	16.56
	-7.0	-7.6	63.6	20.66	60.2	19.71	56.5	18.70	54.5	17.80	52.7	16.94	49.3	15.93
	-5.0	-5.6	63.6	19.60	60.2	18.67	56.5	17.73	54.5	16.88	52.7	16.07	49.3	15.11
	-3.0	-3.7	63.6	18.55	60.2	17.63	56.5	16.74	54.5	15.97	52.7	15.22	49.3	14.29
	0.0	-0.7	63.6	16.97	60.2	16.08	56.5	15.28	54.5	14.60	52.7	13.93	49.3	13.06
	3.0	2.2	63.6	15.39	60.2	14.52	56.5	13.81	54.5	13.23	52.7	12.65	49.3	11.82
	5.0	4.1	63.6	14.34	60.2	13.48	56.5	12.84	54.5	12.31	52.7	11.79	49.3	10.99
	7.0	6.0	63.6	13.29	60.2	12.44	56.5	11.87	54.5	11.40	52.7	10.94	49.3	10.17
9.0	7.9	63.6	11.85	60.2	11.10	56.5	10.59	54.5	10.17	52.7	9.76	49.3	9.07	
11.0	9.8	63.6	11.07	60.2	10.37	56.5	9.89	54.5	9.49	52.7	9.11	49.3	8.47	
13.0	11.8	63.6	10.37	60.2	9.71	56.5	9.26	54.5	8.89	52.7	8.54	49.3	7.94	
15.0	13.7	63.6	9.79	60.2	9.18	56.5	8.76	54.5	8.41	52.7	8.07	49.3	7.51	
50	-24.8	-25	53.0	23.31	50.0	23.99	47.0	22.67	45.5	21.45	44.0	20.29	41.0	19.22
	-21.8	-22	53.0	23.99	50.0	22.67	47.0	21.45	45.5	20.29	44.0	19.22	41.0	18.18
	-19.8	-20	53.0	23.07	50.0	21.80	47.0	20.63	45.5	19.52	44.0	18.50	41.0	17.50
	-18.8	-19	53.0	22.61	50.0	21.36	47.0	20.22	45.5	19.13	44.0	18.14	41.0	17.16
	-16.7	-17	53.0	21.64	50.0	20.44	47.0	19.36	45.5	18.32	44.0	17.38	41.0	16.43
	-13.7	-15	53.0	20.25	50.0	19.12	47.0	18.14	45.5	17.17	44.0	16.32	41.0	15.41
	-11.8	-13	53.0	19.38	50.0	18.29	47.0	17.35	45.5	16.43	44.0	15.64	41.0	14.75
	-9.8	-11	53.0	18.46	50.0	17.41	47.0	16.53	45.5	15.67	44.0	14.91	41.0	14.07
	-9.5	-10	53.0	18.32	50.0	17.28	47.0	16.41	45.5	15.55	44.0	14.81	41.0	13.97
	-8.5	-9.1	53.0	17.86	50.0	16.84	47.0	16.01	45.5	15.16	44.0	14.45	41.0	13.62
	-7.0	-7.6	53.0	17.17	50.0	16.18	47.0	15.40	45.5	14.59	44.0	13.92	41.0	13.10
	-5.0	-5.6	53.0	16.24	50.0	15.30	47.0	14.58	45.5	13.81	44.0	13.19	41.0	12.42
	-3.0	-3.7	53.0	15.33	50.0	14.43	47.0	13.76	45.5	13.04	44.0	12.48	41.0	11.73
	0.0	-0.7	53.0	13.95	50.0	13.10	47.0	12.53	45.5	11.88	44.0	11.41	41.0	10.70
	3.0	2.2	53.0	12.56	50.0	11.79	47.0	11.30	45.5	10.72	44.0	10.33	41.0	9.68
	5.0	4.1	53.0	11.64	50.0	10.91	47.0	10.48	45.5	9.96	44.0	9.62	41.0	8.99
	7.0	6.0	53.0	10.72	50.0	10.04	47.0	9.66	45.5	9.18	44.0	8.89	41.0	8.30
9.0	7.9	53.0	9.68	50.0	9.06	47.0	8.73	45.5	8.29	44.0	8.04	41.0	7.49	
11.0	9.8	53.0	9.06	50.0	8.48	47.0	8.16	45.5	7.76	44.0	7.51	41.0	7.01	
13.0	11.8	53.0	8.51	50.0	7.96	47.0	7.66	45.5	7.28	44.0	7.06	41.0	6.58	
15.0	13.7	53.0	8.04	50.0	7.53	47.0	7.26	45.5	6.89	44.0	6.68	41.0	6.23	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN320BTE5

Heating Capacity (32HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	63.4	34.84	63.4	35.13	63.0	35.38	63.0	35.77	63.0	36.15	62.2	36.73
	-21.8	-22	76.4	35.42	76.4	35.72	75.9	35.97	75.9	36.36	75.9	36.73	74.9	37.32
	-19.8	-20	80.3	35.81	80.3	36.11	79.7	36.36	79.7	36.75	79.7	37.12	78.7	37.70
	-18.8	-19	82.0	36.00	82.0	36.30	81.5	36.55	81.5	36.94	81.5	37.32	80.4	37.90
	-16.7	-17	85.8	36.42	85.8	36.71	85.3	36.97	85.3	37.36	85.3	37.72	84.1	38.31
	-13.7	-15	91.2	37.01	91.2	37.29	90.7	37.54	90.7	37.93	90.7	38.31	89.4	36.77
	-11.8	-13	94.2	37.37	94.2	37.66	93.6	37.92	93.6	38.31	93.6	37.27	92.7	35.80
	-9.8	-11	97.3	37.76	97.3	38.05	96.7	38.31	96.7	37.19	96.7	36.17	95.9	34.77
	-9.5	-10	97.9	37.82	97.9	38.12	97.3	38.13	97.3	37.02	97.2	36.01	96.4	34.62
	-8.5	-9.1	100.0	38.01	100.0	38.31	99.4	37.56	99.4	36.46	98.7	35.46	98.1	34.10
	-7.0	-7.6	103.2	38.31	103.2	37.46	102.5	36.70	102.5	35.63	102.5	34.64	101.2	33.34
	-5.0	-5.6	107.3	37.18	107.3	36.32	106.6	35.54	106.6	34.50	106.6	33.54	104.6	32.31
	-3.0	-3.7	111.5	36.07	111.5	35.18	110.8	34.39	110.8	33.39	110.8	32.45	108.1	31.29
	0.0	-0.7	117.6	34.38	117.6	33.47	117.0	32.66	117.0	31.71	117.0	30.80	113.1	29.75
	3.0	2.2	123.9	32.71	123.9	31.77	123.1	30.93	123.1	30.04	121.6	29.17	113.8	28.21
	5.0	4.1	127.6	31.59	127.6	30.63	126.9	29.78	125.7	28.92	122.2	28.07	113.8	27.18
	7.0	6.0	129.9	30.47	129.9	29.48	129.2	28.63	126.7	27.79	122.2	26.97	113.8	26.16
	9.0	7.9	130.3	29.53	130.3	28.58	129.9	27.75	126.7	26.95	122.2	26.14	113.8	25.36
	11.0	9.8	130.3	28.86	130.3	27.93	129.9	27.12	126.7	26.32	122.2	25.54	113.8	24.78
	13.0	11.8	130.3	28.13	130.3	27.23	129.9	26.44	126.7	25.66	122.2	24.90	113.8	24.15
15.0	13.7	130.3	27.35	130.3	26.47	129.9	25.70	126.7	24.95	122.2	24.21	113.8	23.49	
120	-24.8	-25	63.0	35.13	63.0	35.38	62.5	35.77	62.5	36.15	62.5	36.73	61.7	37.14
	-21.8	-22	75.9	35.72	75.9	35.97	75.4	36.36	75.4	36.73	75.4	37.32	74.4	37.72
	-19.8	-20	79.7	36.11	79.7	36.36	79.2	36.75	79.2	37.12	79.2	37.70	78.1	38.12
	-18.8	-19	81.5	36.30	81.5	36.55	81.0	36.94	81.0	37.32	81.0	37.90	79.9	38.31
	-16.7	-17	85.3	36.71	85.3	36.97	84.7	37.36	84.7	37.72	84.7	38.31	83.5	37.31
	-13.7	-15	90.5	37.29	90.5	37.54	90.0	37.93	90.0	38.31	90.0	36.83	88.8	35.91
	-11.8	-13	93.5	37.66	93.5	37.92	92.9	38.31	92.9	37.26	92.9	35.89	92.0	35.01
	-9.8	-11	96.6	38.05	96.6	38.31	96.0	37.15	96.0	36.15	96.0	34.90	95.3	34.07
	-9.5	-10	97.3	38.12	97.3	38.13	96.7	36.97	96.7	35.99	96.7	34.76	95.9	33.92
	-8.5	-9.1	99.3	38.31	99.3	37.50	98.7	36.40	98.7	35.44	98.7	34.27	97.8	33.45
	-7.0	-7.6	102.4	37.38	102.4	36.58	101.8	35.52	101.8	34.61	101.6	33.53	100.4	32.75
	-5.0	-5.6	106.6	36.15	106.6	35.35	105.8	34.36	105.8	33.51	105.8	32.54	104.0	31.81
	-3.0	-3.7	110.7	34.91	110.7	34.12	110.0	33.20	110.0	32.41	110.0	31.56	106.9	30.87
	0.0	-0.7	116.8	33.06	116.8	32.27	116.1	31.47	116.1	30.74	114.9	30.08	106.9	29.45
	3.0	2.2	123.1	31.21	123.1	30.43	121.4	29.73	118.7	29.09	115.0	28.60	106.9	28.04
	5.0	4.1	126.6	29.98	126.1	29.19	122.9	28.57	118.7	27.99	115.0	27.62	106.9	27.09
	7.0	6.0	129.0	28.73	127.9	27.96	122.9	27.41	118.7	26.88	115.0	26.63	106.9	26.16
	9.0	7.9	129.3	27.79	127.9	27.05	122.9	26.51	118.7	26.00	115.0	25.76	106.9	25.30
	11.0	9.8	129.3	27.10	127.9	26.36	122.9	25.84	118.7	25.34	115.0	25.10	106.9	24.65
	13.0	11.8	129.3	26.34	127.9	25.63	122.9	25.12	118.7	24.64	115.0	24.41	106.9	23.97
15.0	13.7	129.3	25.54	127.9	24.85	122.9	24.36	118.7	23.90	115.0	23.67	106.9	23.25	
110	-24.8	-25	62.6	35.38	62.6	35.77	62.2	36.15	62.2	36.73	62.2	37.14	61.4	37.33
	-21.8	-22	75.5	35.97	75.5	36.36	75.0	36.73	75.0	37.32	75.0	37.72	74.0	37.92
	-19.8	-20	79.2	36.36	79.2	36.75	78.8	37.12	78.8	37.70	78.8	38.12	77.6	38.31
	-18.8	-19	81.0	36.55	81.0	36.94	80.5	37.32	80.5	37.90	80.5	38.31	79.4	37.79
	-16.7	-17	84.8	36.97	84.8	37.36	84.2	37.72	84.2	38.31	84.2	37.24	83.0	36.71
	-13.7	-15	90.1	37.54	90.1	37.93	89.4	38.31	89.4	36.69	89.4	35.72	89.4	35.16
	-11.8	-13	93.0	37.92	93.0	38.31	92.4	37.17	92.4	35.67	92.4	34.75	92.4	34.17
	-9.8	-11	96.1	38.31	96.1	37.01	95.5	35.97	95.5	34.60	95.5	33.74	95.1	33.14
	-9.5	-10	96.7	38.10	96.7	36.82	96.2	35.79	96.2	34.43	96.2	33.59	95.9	32.98
	-8.5	-9.1	98.8	37.40	98.8	36.17	98.1	35.18	98.1	33.90	98.1	33.08	96.2	32.47
	-7.0	-7.6	101.9	36.35	101.9	35.21	101.3	34.28	101.3	33.08	101.3	32.32	96.2	31.69
	-5.0	-5.6	106.0	34.96	106.0	33.92	105.3	33.08	105.3	32.02	103.0	31.31	96.2	30.66
	-3.0	-3.7	110.0	33.55	110.0	32.62	109.2	31.87	106.6	30.94	103.0	30.29	96.2	29.61
	0.0	-0.7	116.2	31.45	115.8	30.69	110.2	30.07	106.6	29.32	103.0	28.77	96.2	28.06
	3.0	2.2	121.9	29.36	117.4	28.74	110.2	28.27	106.6	27.70	103.0	27.25	96.2	26.51
	5.0	4.1	124.3	27.95	117.4	27.45	110.2	27.06	106.6	26.63	103.0	26.24	96.2	25.48
	7.0	6.0	124.3	26.56	117.4	26.16	110.2	25.87	106.6	25.55	103.0	25.22	96.2	24.44
	9.0	7.9	124.3	25.57	117.4	25.19	110.2	24.91	106.6	24.60	103.0	24.29	96.2	23.54
	11.0	9.8	124.3	24.81	117.4	24.44	110.2	24.16	106.6	23.87	103.0	23.56	96.2	22.84
	13.0	11.8	124.3	24.00	117.4	23.64	110.2	23.37	106.6	23.09	103.0	22.79	96.2	22.09
15.0	13.7	124.3	23.13	117.4	22.79	110.2	22.53	106.6	22.26	103.0	21.97	96.2	21.29	

# 7. Capacity Tables

Heating Capacity (32HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	62.3	39.11	62.3	39.00	62.0	36.50	62.0	38.74	62.0	38.63	61.1	38.58
	-21.8	-22	75.1	38.95	75.1	38.84	74.7	37.66	74.7	38.58	74.7	38.99	73.6	38.41
	-19.8	-20	78.9	38.84	78.9	38.74	78.4	38.39	78.4	38.48	78.4	38.54	77.3	38.31
	-18.8	-19	80.7	38.79	80.2	38.68	80.2	38.58	80.2	38.42	80.2	38.31	79.1	37.69
	-16.7	-17	83.9	38.67	83.9	38.57	83.9	38.99	83.4	38.31	83.4	37.01	82.2	36.37
	-13.7	-15	89.6	38.51	89.6	38.41	89.1	38.31	89.1	36.42	89.1	35.16	87.9	34.49
	-11.8	-13	92.5	38.41	92.0	38.31	92.0	37.04	92.0	35.22	92.0	33.99	87.9	33.31
	-9.8	-11	95.6	38.31	95.6	36.88	95.2	35.71	95.2	33.97	94.4	32.76	87.9	32.06
	-9.5	-10	96.2	38.08	96.2	36.67	95.7	35.50	95.7	33.78	94.4	32.57	87.9	31.86
	-8.5	-9.1	98.3	37.33	98.3	35.96	97.8	34.83	97.6	33.15	94.4	31.96	87.9	31.24
	-7.0	-7.6	103.0	36.21	102.6	34.89	100.8	33.83	97.6	32.21	94.4	31.03	87.9	30.31
	-5.0	-5.6	107.5	34.71	106.4	33.46	100.8	32.49	97.6	30.95	94.4	29.80	87.9	29.05
	-3.0	-3.7	110.6	33.21	107.2	32.03	100.8	31.16	97.6	29.70	94.4	28.57	87.9	27.80
	0.0	-0.7	113.7	30.96	107.2	29.90	100.8	29.14	97.6	27.81	94.4	26.72	87.9	25.93
	3.0	2.2	113.7	28.71	107.2	27.75	100.8	27.14	97.6	25.93	94.4	24.87	87.9	24.04
	5.0	4.1	113.7	27.21	107.2	26.33	100.8	25.81	97.6	24.67	94.4	23.63	87.9	22.79
	7.0	6.0	113.7	25.71	107.2	24.90	100.8	24.47	97.6	23.41	94.4	22.40	87.9	21.54
	9.0	7.9	113.7	24.60	107.2	23.83	100.8	23.42	97.6	22.40	94.4	21.43	87.9	20.61
	11.0	9.8	113.7	23.69	107.2	22.95	100.8	22.55	97.6	21.57	94.4	20.64	87.9	19.85
	13.0	11.8	113.7	22.73	107.2	22.01	100.8	21.64	97.6	20.69	94.4	19.80	87.9	19.05
15.0	13.7	113.7	21.71	107.2	21.03	100.8	20.67	97.6	19.78	94.4	18.92	87.9	18.20	
90	-24.8	-25	62.1	34.80	62.1	35.39	61.7	35.79	61.7	35.99	61.7	36.38	60.9	36.96
	-21.8	-22	74.8	35.39	74.8	35.97	74.4	36.38	74.4	36.57	74.4	36.96	73.3	35.33
	-19.8	-20	78.6	35.78	78.6	36.36	78.1	36.77	78.1	36.96	78.1	35.84	77.1	34.23
	-18.8	-19	80.7	35.97	80.2	36.56	79.9	36.96	79.9	36.38	79.9	35.27	78.8	33.68
	-16.7	-17	83.9	36.38	83.9	36.96	83.5	35.76	83.5	35.17	83.5	34.10	80.3	32.53
	-13.7	-15	89.6	36.96	89.6	35.17	88.8	34.04	88.8	33.42	86.5	32.41	80.3	30.90
	-11.8	-13	92.5	35.73	92.0	34.03	91.7	32.95	89.4	32.32	86.5	31.34	80.3	29.86
	-9.8	-11	95.6	34.43	95.6	32.83	92.2	31.80	89.4	31.16	86.5	30.22	80.3	28.77
	-9.5	-10	96.2	34.23	96.2	32.65	92.2	31.63	89.4	30.99	86.5	30.05	80.3	28.61
	-8.5	-9.1	98.3	33.59	97.5	32.06	92.2	31.06	89.4	30.41	86.5	29.49	80.3	28.05
	-7.0	-7.6	103.0	32.61	97.9	31.16	92.2	30.19	89.4	29.53	86.5	28.64	80.3	27.24
	-5.0	-5.6	104.1	31.31	97.9	29.96	92.2	29.04	89.4	28.38	86.5	27.52	80.3	26.14
	-3.0	-3.7	104.1	30.01	97.9	28.76	92.2	27.90	89.4	27.21	86.5	26.39	80.3	25.05
	0.0	-0.7	104.1	28.05	97.9	26.96	92.2	26.18	89.4	25.47	86.5	24.70	80.3	23.41
	3.0	2.2	104.1	26.10	97.9	25.17	92.2	24.46	89.4	23.72	86.5	23.02	80.3	21.77
	5.0	4.1	104.1	24.80	97.9	23.97	92.2	23.31	89.4	22.57	86.5	21.90	80.3	20.68
	7.0	6.0	104.1	23.50	97.9	22.78	92.2	22.16	89.4	21.41	86.5	20.77	80.3	19.58
	9.0	7.9	104.1	22.28	97.9	21.59	92.2	21.02	89.4	20.29	86.5	19.70	80.3	18.57
	11.0	9.8	104.1	21.06	97.9	20.41	92.2	19.87	89.4	19.19	86.5	18.62	80.3	17.56
	13.0	11.8	104.1	19.85	97.9	19.24	92.2	18.71	89.4	18.08	86.5	17.54	80.3	16.54
15.0	13.7	104.1	18.63	97.9	18.05	92.2	17.57	89.4	16.97	86.5	16.47	80.3	15.52	
80	-24.8	-25	61.8	30.61	61.8	31.20	61.5	31.61	61.5	31.80	61.5	32.78	60.6	31.33
	-21.8	-22	74.0	31.20	74.0	31.79	74.0	32.19	74.0	32.78	74.0	31.33	71.8	29.95
	-19.8	-20	77.8	31.59	77.8	32.18	77.8	32.78	77.8	31.75	76.9	30.37	71.8	29.03
	-18.8	-19	79.6	31.79	79.6	32.78	79.6	32.26	79.4	31.24	77.1	29.89	71.8	28.57
	-16.7	-17	82.5	32.78	82.5	31.69	82.5	31.17	80.0	30.18	77.1	28.89	71.8	27.60
	-13.7	-15	86.2	31.17	84.6	30.14	82.5	29.61	80.0	28.64	77.1	27.44	71.8	26.22
	-11.8	-13	88.5	30.13	85.9	29.16	82.5	28.62	80.0	27.67	77.1	26.53	71.8	25.35
	-9.8	-11	90.9	29.06	87.1	28.12	82.5	27.58	80.0	26.66	77.1	25.56	71.8	24.42
	-9.5	-10	91.5	28.90	87.5	27.97	82.5	27.43	80.0	26.50	77.1	25.41	71.8	24.29
	-8.5	-9.1	92.4	28.36	87.9	27.45	82.5	26.91	80.0	25.98	77.1	24.93	71.8	23.83
	-7.0	-7.6	93.3	27.55	87.9	26.67	82.5	26.13	80.0	25.22	77.1	24.21	71.8	23.14
	-5.0	-5.6	93.3	26.48	87.9	25.64	82.5	25.09	80.0	24.20	77.1	23.25	71.8	22.22
	-3.0	-3.7	93.3	25.40	87.9	24.60	82.5	24.05	80.0	23.18	77.1	22.29	71.8	21.30
	0.0	-0.7	93.3	23.78	87.9	23.05	82.5	22.49	80.0	21.65	77.1	20.84	71.8	19.91
	3.0	2.2	93.3	22.17	87.9	21.50	82.5	20.93	80.0	20.11	77.1	19.41	71.8	18.53
	5.0	4.1	93.3	21.09	87.9	20.46	82.5	19.90	80.0	19.10	77.1	18.44	71.8	17.61
	7.0	6.0	93.3	20.01	87.9	19.43	82.5	18.85	80.0	18.07	77.1	17.48	71.8	16.69
	9.0	7.9	93.3	18.79	87.9	18.24	82.5	17.71	80.0	16.97	77.1	16.41	71.8	15.67
	11.0	9.8	93.3	17.44	87.9	16.93	82.5	16.43	80.0	15.75	77.1	15.23	71.8	14.54
	13.0	11.8	93.3	16.28	87.9	15.81	82.5	15.34	80.0	14.71	77.1	14.22	71.8	13.58
15.0	13.7	93.3	15.32	87.9	14.88	82.5	14.44	80.0	13.84	77.1	13.38	71.8	12.78	

# 7. Capacity Tables

Heating Capacity (32HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	61.8	30.69	61.8	30.88	61.5	31.28	61.5	31.85	61.5	30.31	60.5	28.86
	-21.8	-22	70.7	31.28	70.7	31.47	70.2	31.85	67.8	30.31	65.8	28.86	61.4	27.47
	-19.8	-20	76.6	31.66	74.7	31.85	70.2	30.76	67.8	29.27	65.8	27.90	61.4	26.54
	-18.8	-19	78.8	31.85	74.7	31.29	70.2	30.22	67.8	28.76	65.8	27.42	61.4	26.07
	-16.7	-17	79.0	30.69	74.7	30.11	70.2	29.07	67.8	27.67	65.8	26.40	61.4	25.09
	-13.7	-15	79.0	29.01	74.7	28.41	70.2	27.45	67.8	26.13	65.8	24.96	61.4	23.70
	-11.8	-13	79.0	27.94	74.7	27.34	70.2	26.41	67.8	25.14	65.8	24.04	61.4	22.82
	-9.8	-11	79.0	26.82	74.7	26.21	70.2	25.32	67.8	24.11	65.8	23.07	61.4	21.88
	-9.5	-10	79.0	26.65	74.7	26.04	70.2	25.16	67.8	23.96	65.8	22.92	61.4	21.75
	-8.5	-9.1	79.0	26.10	74.7	25.48	70.2	24.61	67.8	23.44	65.8	22.44	61.4	21.28
	-7.0	-7.6	79.0	25.26	74.7	24.63	70.2	23.79	67.8	22.66	65.8	21.72	61.4	20.58
	-5.0	-5.6	79.0	24.14	74.7	23.50	70.2	22.70	67.8	21.63	65.8	20.76	61.4	19.66
	-3.0	-3.7	79.0	23.02	74.7	22.37	70.2	21.61	67.8	20.59	65.8	19.79	61.4	18.72
	0.0	-0.7	79.0	21.34	74.7	20.68	70.2	19.98	67.8	19.05	65.8	18.35	61.4	17.32
	3.0	2.2	79.0	19.66	74.7	18.98	70.2	18.35	67.8	17.50	65.8	16.89	61.4	15.94
	5.0	4.1	79.0	18.55	74.7	17.86	70.2	17.26	67.8	16.46	65.8	15.94	61.4	15.00
	7.0	6.0	79.0	17.42	74.7	16.72	70.2	16.17	67.8	15.44	65.8	14.97	61.4	14.07
9.0	7.9	79.0	15.73	74.7	15.10	70.2	14.60	67.8	13.93	65.8	13.52	61.4	12.71	
11.0	9.8	79.0	14.65	74.7	14.07	70.2	13.60	67.8	12.97	65.8	12.59	61.4	11.83	
13.0	11.8	79.0	13.71	74.7	13.16	70.2	12.72	67.8	12.14	65.8	11.77	61.4	11.07	
15.0	13.7	79.0	12.93	74.7	12.41	70.2	11.99	67.8	11.45	65.8	11.10	61.4	10.43	
60	-24.8	-25	60.6	30.22	60.6	30.61	60.2	31.20	58.2	29.56	56.2	28.02	52.6	26.58
	-21.8	-22	64.9	30.80	64.2	31.20	60.2	29.56	58.2	28.02	56.2	26.58	52.6	25.19
	-19.8	-20	67.8	31.20	64.2	30.04	60.2	28.46	58.2	27.00	56.2	25.61	52.6	24.26
	-18.8	-19	67.8	30.61	64.2	29.45	60.2	27.92	58.2	26.48	56.2	25.14	52.6	23.79
	-16.7	-17	67.8	29.38	64.2	28.23	60.2	26.76	58.2	25.41	56.2	24.13	52.6	22.83
	-13.7	-15	67.8	27.62	64.2	26.50	60.2	25.13	58.2	23.87	56.2	22.68	52.6	21.43
	-11.8	-13	67.8	26.50	64.2	25.39	60.2	24.09	58.2	22.89	56.2	21.76	52.6	20.55
	-9.8	-11	67.8	25.33	64.2	24.23	60.2	22.99	58.2	21.88	56.2	20.80	52.6	19.63
	-9.5	-10	67.8	25.15	64.2	24.06	60.2	22.83	58.2	21.72	56.2	20.66	52.6	19.49
	-8.5	-9.1	67.8	24.56	64.2	23.47	60.2	22.28	58.2	21.20	56.2	20.18	52.6	19.02
	-7.0	-7.6	67.8	23.68	64.2	22.60	60.2	21.46	58.2	20.44	56.2	19.46	52.6	18.32
	-5.0	-5.6	67.8	22.50	64.2	21.44	60.2	20.37	58.2	19.41	56.2	18.49	52.6	17.39
	-3.0	-3.7	67.8	21.34	64.2	20.28	60.2	19.27	58.2	18.39	56.2	17.53	52.6	16.47
	0.0	-0.7	67.8	19.57	64.2	18.54	60.2	17.63	58.2	16.85	56.2	16.09	52.6	15.08
	3.0	2.2	67.8	17.81	64.2	16.80	60.2	15.99	58.2	15.32	56.2	14.65	52.6	13.69
	5.0	4.1	67.8	16.63	64.2	15.64	60.2	14.90	58.2	14.29	56.2	13.69	52.6	12.76
	7.0	6.0	67.8	15.46	64.2	14.48	60.2	13.81	58.2	13.26	56.2	12.73	52.6	11.83
9.0	7.9	67.8	13.79	64.2	12.91	60.2	12.32	58.2	11.83	56.2	11.36	52.6	10.55	
11.0	9.8	67.8	12.88	64.2	12.06	60.2	11.50	58.2	11.05	56.2	10.60	52.6	9.85	
13.0	11.8	67.8	12.06	64.2	11.30	60.2	10.78	58.2	10.35	56.2	9.93	52.6	9.24	
15.0	13.7	67.8	11.40	64.2	10.68	60.2	10.19	58.2	9.79	56.2	9.38	52.6	8.73	
50	-24.8	-25	56.6	26.63	53.4	27.21	50.2	25.74	48.6	24.38	46.9	23.09	43.7	21.88
	-21.8	-22	56.6	27.21	53.4	25.74	50.2	24.38	48.6	23.09	46.9	21.88	43.7	20.73
	-19.8	-20	56.6	26.19	53.4	24.77	50.2	23.46	48.6	22.23	46.9	21.09	43.7	19.96
	-18.8	-19	56.6	25.67	53.4	24.28	50.2	23.01	48.6	21.79	46.9	20.68	43.7	19.58
	-16.7	-17	56.6	24.60	53.4	23.26	50.2	22.05	48.6	20.89	46.9	19.84	43.7	18.77
	-13.7	-15	56.6	23.06	53.4	21.78	50.2	20.69	48.6	19.60	46.9	18.64	43.7	17.62
	-11.8	-13	56.6	22.09	53.4	20.86	50.2	19.81	48.6	18.77	46.9	17.88	43.7	16.89
	-9.8	-11	56.6	21.07	53.4	19.88	50.2	18.90	48.6	17.92	46.9	17.08	43.7	16.12
	-9.5	-10	56.6	20.91	53.4	19.74	50.2	18.77	48.6	17.79	46.9	16.96	43.7	16.01
	-8.5	-9.1	56.6	20.41	53.4	19.25	50.2	18.32	48.6	17.36	46.9	16.55	43.7	15.62
	-7.0	-7.6	56.6	19.64	53.4	18.52	50.2	17.63	48.6	16.72	46.9	15.96	43.7	15.04
	-5.0	-5.6	56.6	18.61	53.4	17.54	50.2	16.72	48.6	15.85	46.9	15.16	43.7	14.27
	-3.0	-3.7	56.6	17.59	53.4	16.57	50.2	15.81	48.6	14.99	46.9	14.36	43.7	13.50
	0.0	-0.7	56.6	16.06	53.4	15.09	50.2	14.43	48.6	13.70	46.9	13.16	43.7	12.35
	3.0	2.2	56.6	14.52	53.4	13.63	50.2	13.07	48.6	12.40	46.9	11.95	43.7	11.20
	5.0	4.1	56.6	13.50	53.4	12.65	50.2	12.16	48.6	11.55	46.9	11.15	43.7	10.43
	7.0	6.0	56.6	12.47	53.4	11.68	50.2	11.25	48.6	10.69	46.9	10.35	43.7	9.66
9.0	7.9	56.6	11.26	53.4	10.54	50.2	10.16	48.6	9.65	46.9	9.35	43.7	8.72	
11.0	9.8	56.6	10.54	53.4	9.87	50.2	9.50	48.6	9.03	46.9	8.74	43.7	8.16	
13.0	11.8	56.6	9.90	53.4	9.26	50.2	8.92	48.6	8.48	46.9	8.21	43.7	7.66	
15.0	13.7	56.6	9.36	53.4	8.77	50.2	8.44	48.6	8.02	46.9	7.77	43.7	7.25	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN340BTE5

Heating Capacity (34HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	67.3	37.86	67.3	38.17	67.0	38.43	67.0	38.84	67.0	39.23	66.0	39.84
	-21.8	-22	81.2	38.48	81.2	38.78	80.7	39.05	80.7	39.46	80.7	39.84	79.6	40.45
	-19.8	-20	85.3	38.88	85.3	39.19	84.7	39.46	84.7	39.86	84.7	40.24	83.6	40.86
	-18.8	-19	87.2	39.08	87.2	39.39	86.6	39.65	86.6	40.06	86.6	40.45	85.5	41.07
	-16.7	-17	91.2	39.51	91.2	39.82	90.6	40.09	90.6	40.49	90.6	40.87	89.3	41.49
	-13.7	-15	96.9	40.13	96.9	40.43	96.3	40.69	96.3	41.10	96.3	41.49	94.9	39.84
	-11.8	-13	100.1	40.51	100.1	40.82	99.5	41.08	99.5	41.49	99.5	40.37	98.5	38.79
	-9.8	-11	103.5	40.92	103.5	41.22	102.7	41.49	102.7	40.28	102.7	39.20	101.9	37.69
	-9.5	-10	104.1	40.98	104.1	41.29	103.4	41.30	103.4	40.11	103.3	39.02	102.5	37.52
	-8.5	-9.1	106.3	41.18	106.3	41.49	105.6	40.68	105.6	39.51	105.0	38.43	104.2	36.97
	-7.0	-7.6	109.6	41.49	109.6	40.58	108.9	39.76	108.9	38.61	108.9	37.55	107.5	36.14
	-5.0	-5.6	114.0	40.29	114.0	39.36	113.2	38.53	113.2	37.41	113.2	36.37	111.2	35.04
	-3.0	-3.7	118.4	39.10	118.4	38.14	117.6	37.29	117.6	36.21	117.6	35.19	114.9	33.94
	0.0	-0.7	124.9	37.29	124.9	36.31	124.2	35.43	124.2	34.41	124.2	33.42	120.2	32.29
	3.0	2.2	131.5	35.50	131.5	34.48	130.7	33.58	130.7	32.61	129.2	31.67	120.9	30.63
	5.0	4.1	135.4	34.31	135.4	33.26	134.7	32.35	133.5	31.41	129.8	30.49	120.9	29.53
	7.0	6.0	138.0	33.11	138.0	32.04	137.2	31.11	134.6	30.20	129.8	29.31	120.9	28.43
9.0	7.9	138.5	32.11	138.5	31.08	138.0	30.17	134.6	29.30	129.8	28.42	120.9	27.57	
11.0	9.8	138.5	31.39	138.5	30.38	138.0	29.50	134.6	28.63	129.8	27.78	120.9	26.96	
13.0	11.8	138.5	30.62	138.5	29.64	138.0	28.78	134.6	27.93	129.8	27.10	120.9	26.29	
15.0	13.7	138.5	29.79	138.5	28.84	138.0	28.00	134.6	27.18	129.8	26.37	120.9	25.59	
120	-24.8	-25	66.9	38.17	66.9	38.43	66.5	38.84	66.5	39.23	66.5	39.84	65.5	40.27
	-21.8	-22	80.6	38.78	80.6	39.05	80.1	39.46	80.1	39.84	80.1	40.45	79.0	40.87
	-19.8	-20	84.7	39.19	84.7	39.46	84.1	39.86	84.1	40.24	84.1	40.86	83.0	41.29
	-18.8	-19	86.6	39.39	86.6	39.65	86.0	40.06	86.0	40.45	86.0	41.07	84.9	41.49
	-16.7	-17	90.6	39.82	90.6	40.09	90.0	40.49	90.0	40.87	90.0	41.49	88.7	40.42
	-13.7	-15	96.2	40.43	96.2	40.69	95.6	41.10	95.6	41.49	95.6	39.90	94.3	38.91
	-11.8	-13	99.3	40.82	99.3	41.08	98.7	41.49	98.7	40.36	98.7	38.89	97.7	37.94
	-9.8	-11	102.7	41.22	102.7	41.49	102.1	40.24	102.1	39.17	102.1	37.83	101.3	36.93
	-9.5	-10	103.4	41.29	103.4	41.29	102.8	40.05	102.8	39.00	102.8	37.67	101.9	36.77
	-8.5	-9.1	105.6	41.49	105.6	40.63	104.8	39.44	104.8	38.41	104.8	37.15	103.9	36.27
	-7.0	-7.6	108.8	40.50	108.8	39.64	108.2	38.50	108.2	37.52	108.0	36.36	106.7	35.51
	-5.0	-5.6	113.2	39.17	113.2	38.31	112.4	37.25	112.4	36.33	112.4	35.29	110.4	34.50
	-3.0	-3.7	117.6	37.85	117.6	36.99	116.8	36.01	116.8	35.15	116.8	34.23	113.6	33.49
	0.0	-0.7	124.0	35.86	124.0	35.01	123.2	34.14	123.2	33.36	122.0	32.64	113.6	31.97
	3.0	2.2	130.6	33.88	130.6	33.03	128.9	32.27	126.1	31.58	122.2	31.06	113.6	30.45
	5.0	4.1	134.4	32.55	133.9	31.71	130.6	31.03	126.1	30.40	122.2	30.00	113.6	29.43
	7.0	6.0	137.0	31.22	135.9	30.38	130.6	29.78	126.1	29.21	122.2	28.93	113.6	28.42
9.0	7.9	137.3	30.22	135.9	29.40	130.6	28.82	126.1	28.27	122.2	28.00	113.6	27.51	
11.0	9.8	137.3	29.48	135.9	28.67	130.6	28.11	126.1	27.57	122.2	27.31	113.6	26.82	
13.0	11.8	137.3	28.67	135.9	27.90	130.6	27.35	126.1	26.82	122.2	26.57	113.6	26.09	
15.0	13.7	137.3	27.82	135.9	27.07	130.6	26.53	126.1	26.03	122.2	25.79	113.6	25.32	
110	-24.8	-25	66.5	38.43	66.5	38.84	66.1	39.23	66.1	39.84	66.1	40.27	65.2	40.47
	-21.8	-22	80.2	39.05	80.2	39.46	79.7	39.84	79.7	40.45	79.7	40.87	78.6	41.08
	-19.8	-20	84.2	39.46	84.2	39.86	83.8	40.24	83.8	40.86	83.8	41.29	82.5	41.49
	-18.8	-19	86.1	39.65	86.1	40.06	85.5	40.45	85.5	41.07	85.5	41.49	84.4	40.93
	-16.7	-17	90.1	40.09	90.1	40.49	89.5	40.87	89.5	41.49	89.5	40.34	88.2	39.76
	-13.7	-15	95.7	40.69	95.7	41.10	95.1	41.49	95.1	39.75	95.1	38.70	95.1	38.10
	-11.8	-13	98.9	41.08	98.9	41.49	98.2	40.26	98.2	38.66	98.2	37.66	98.2	37.03
	-9.8	-11	102.1	41.49	102.1	40.09	101.5	38.97	101.5	37.50	101.5	36.57	101.0	35.92
	-9.5	-10	102.8	41.26	102.8	39.89	102.2	38.77	102.2	37.32	102.2	36.41	101.9	35.75
	-8.5	-9.1	105.0	40.51	105.0	39.19	104.3	38.13	104.3	36.74	104.3	35.86	102.2	35.20
	-7.0	-7.6	108.2	39.38	108.2	38.16	107.6	37.15	107.6	35.87	107.6	35.05	102.2	34.36
	-5.0	-5.6	112.6	37.88	112.6	36.76	111.8	35.86	111.8	34.72	109.4	33.96	102.2	33.25
	-3.0	-3.7	116.9	36.38	116.9	35.37	116.0	34.57	113.3	33.56	109.4	32.87	102.2	32.13
	0.0	-0.7	123.4	34.12	123.0	33.29	117.1	32.63	113.3	31.82	109.4	31.22	102.2	30.46
	3.0	2.2	129.5	31.87	124.7	31.20	117.1	30.69	113.3	30.08	109.4	29.59	102.2	28.79
	5.0	4.1	132.0	30.36	124.7	29.82	117.1	29.39	113.3	28.92	109.4	28.50	102.2	27.68
	7.0	6.0	132.0	28.86	124.7	28.43	117.1	28.11	113.3	27.76	109.4	27.41	102.2	26.56
9.0	7.9	132.0	27.80	124.7	27.38	117.1	27.08	113.3	26.75	109.4	26.41	102.2	25.59	
11.0	9.8	132.0	26.99	124.7	26.59	117.1	26.28	113.3	25.97	109.4	25.63	102.2	24.84	
13.0	11.8	132.0	26.12	124.7	25.73	117.1	25.44	113.3	25.13	109.4	24.81	102.2	24.04	
15.0	13.7	132.0	25.20	124.7	24.82	117.1	24.54	113.3	24.24	109.4	23.93	102.2	23.19	

# 7. Capacity Tables

Heating Capacity (34HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	66.2	42.45	66.2	42.33	65.8	39.58	65.8	42.01	65.8	41.87	64.9	41.82
	-21.8	-22	79.8	42.26	79.8	42.14	79.4	40.83	79.4	41.82	79.4	42.25	78.2	41.61
	-19.8	-20	83.9	42.14	83.9	42.01	83.3	41.62	83.3	41.69	83.3	41.74	82.2	41.49
	-18.8	-19	85.7	42.07	85.2	41.94	85.2	41.82	85.2	41.62	85.2	41.49	84.0	40.82
	-16.7	-17	89.2	41.93	89.2	41.81	89.2	42.25	88.6	41.49	88.6	40.09	87.3	39.40
	-13.7	-15	95.2	41.74	95.2	41.61	94.7	41.49	94.7	39.46	94.7	38.10	93.4	37.37
	-11.8	-13	98.3	41.61	97.8	41.49	97.8	40.12	97.8	38.17	97.8	36.83	93.4	36.10
	-9.8	-11	101.6	41.49	101.6	39.96	101.1	38.69	101.1	36.81	100.3	35.51	93.4	34.74
	-9.5	-10	102.2	41.24	102.2	39.73	101.7	38.46	101.7	36.61	100.3	35.31	93.4	34.54
	-8.5	-9.1	104.4	40.44	104.4	38.96	103.9	37.75	103.7	35.93	100.3	34.65	93.4	33.87
	-7.0	-7.6	109.4	39.23	109.0	37.81	107.1	36.67	103.7	34.92	100.3	33.65	93.4	32.86
	-5.0	-5.6	114.2	37.61	113.1	36.27	107.1	35.23	103.7	33.56	100.3	32.31	93.4	31.51
	-3.0	-3.7	117.5	36.00	113.9	34.73	107.1	33.79	103.7	32.21	100.3	30.99	93.4	30.16
	0.0	-0.7	120.8	33.58	113.9	32.44	107.1	31.62	103.7	30.18	100.3	28.99	93.4	28.14
	3.0	2.2	120.8	31.17	113.9	30.13	107.1	29.47	103.7	28.15	100.3	27.00	93.4	26.10
	5.0	4.1	120.8	29.55	113.9	28.59	107.1	28.03	103.7	26.80	100.3	25.66	93.4	24.75
	7.0	6.0	120.8	27.94	113.9	27.06	107.1	26.59	103.7	25.44	100.3	24.34	93.4	23.40
	9.0	7.9	120.8	26.75	113.9	25.91	107.1	25.46	103.7	24.35	100.3	23.31	93.4	22.41
	11.0	9.8	120.8	25.78	113.9	24.98	107.1	24.53	103.7	23.48	100.3	22.46	93.4	21.60
	13.0	11.8	120.8	24.75	113.9	23.98	107.1	23.56	103.7	22.54	100.3	21.56	93.4	20.75
15.0	13.7	120.8	23.67	113.9	22.92	107.1	22.53	103.7	21.56	100.3	20.63	93.4	19.84	
90	-24.8	-25	65.9	37.79	65.9	38.41	65.6	38.83	65.6	39.04	65.6	39.44	64.7	40.05
	-21.8	-22	79.5	38.41	79.5	39.01	79.1	39.44	79.1	39.64	79.1	40.05	77.9	38.28
	-19.8	-20	83.5	38.81	83.5	39.42	83.0	39.85	83.0	40.05	83.0	38.84	81.9	37.10
	-18.8	-19	85.7	39.01	85.2	39.63	84.9	40.05	84.9	39.42	84.9	38.23	83.7	36.51
	-16.7	-17	89.2	39.44	89.2	40.05	88.7	38.75	88.7	38.11	88.7	36.96	85.3	35.27
	-13.7	-15	95.2	40.05	95.2	38.12	94.3	36.90	94.3	36.23	91.9	35.14	85.3	33.50
	-11.8	-13	98.3	38.72	97.8	36.89	97.5	35.72	94.9	35.04	91.9	33.98	85.3	32.38
	-9.8	-11	101.6	37.32	101.6	35.59	98.0	34.48	94.9	33.79	91.9	32.77	85.3	31.20
	-9.5	-10	102.2	37.11	102.2	35.40	98.0	34.29	94.9	33.60	91.9	32.59	85.3	31.02
	-8.5	-9.1	104.4	36.41	103.7	34.76	98.0	33.68	94.9	32.97	91.9	31.98	85.3	30.43
	-7.0	-7.6	109.4	35.35	104.1	33.79	98.0	32.74	94.9	32.03	91.9	31.07	85.3	29.55
	-5.0	-5.6	110.6	33.95	104.1	32.49	98.0	31.51	94.9	30.78	91.9	29.86	85.3	28.36
	-3.0	-3.7	110.6	32.55	104.1	31.21	98.0	30.27	94.9	29.52	91.9	28.64	85.3	27.18
	0.0	-0.7	110.6	30.44	104.1	29.26	98.0	28.41	94.9	27.65	91.9	26.82	85.3	25.42
	3.0	2.2	110.6	28.34	104.1	27.33	98.0	26.56	94.9	25.76	91.9	24.99	85.3	23.64
	5.0	4.1	110.6	26.94	104.1	26.04	98.0	25.32	94.9	24.51	91.9	23.79	85.3	22.46
	7.0	6.0	110.6	25.54	104.1	24.75	98.0	24.08	94.9	23.26	91.9	22.57	85.3	21.28
	9.0	7.9	110.6	24.22	104.1	23.47	98.0	22.85	94.9	22.06	91.9	21.41	85.3	20.19
	11.0	9.8	110.6	22.91	104.1	22.20	98.0	21.61	94.9	20.87	91.9	20.25	85.3	19.09
	13.0	11.8	110.6	21.59	104.1	20.93	98.0	20.36	94.9	19.67	91.9	19.08	85.3	18.00
15.0	13.7	110.6	20.28	104.1	19.65	98.0	19.12	94.9	18.48	91.9	17.93	85.3	16.90	
80	-24.8	-25	65.7	33.25	65.7	33.87	65.3	34.30	65.3	34.50	65.3	35.52	64.4	33.96
	-21.8	-22	78.7	33.87	78.7	34.48	78.7	34.90	78.7	35.52	78.7	33.96	76.2	32.46
	-19.8	-20	82.7	34.27	82.7	34.89	82.7	35.52	82.7	34.41	81.7	32.92	76.2	31.47
	-18.8	-19	84.5	34.48	84.5	35.52	84.5	34.95	84.4	33.86	81.9	32.39	76.2	30.97
	-16.7	-17	87.6	35.52	87.6	34.34	87.6	33.78	85.0	32.70	81.9	31.31	76.2	29.92
	-13.7	-15	91.6	33.78	89.8	32.67	87.6	32.10	85.0	31.05	81.9	29.75	76.2	28.43
	-11.8	-13	94.0	32.66	91.2	31.61	87.6	31.03	85.0	30.00	81.9	28.76	76.2	27.49
	-9.8	-11	96.6	31.51	92.6	30.49	87.6	29.91	85.0	28.90	81.9	27.72	76.2	26.49
	-9.5	-10	97.2	31.33	93.0	30.32	87.6	29.74	85.0	28.74	81.9	27.56	76.2	26.35
	-8.5	-9.1	98.2	30.75	93.4	29.76	87.6	29.18	85.0	28.18	81.9	27.04	76.2	25.85
	-7.0	-7.6	99.1	29.88	93.4	28.93	87.6	28.34	85.0	27.36	81.9	26.27	76.2	25.10
	-5.0	-5.6	99.1	28.72	93.4	27.81	87.6	27.22	85.0	26.26	81.9	25.23	76.2	24.11
	-3.0	-3.7	99.1	27.55	93.4	26.69	87.6	26.09	85.0	25.15	81.9	24.19	76.2	23.11
	0.0	-0.7	99.1	25.81	93.4	25.02	87.6	24.41	85.0	23.50	81.9	22.63	76.2	21.62
	3.0	2.2	99.1	24.07	93.4	23.35	87.6	22.73	85.0	21.84	81.9	21.07	76.2	20.13
	5.0	4.1	99.1	22.90	93.4	22.23	87.6	21.62	85.0	20.74	81.9	20.03	76.2	19.13
	7.0	6.0	99.1	21.75	93.4	21.11	87.6	20.49	85.0	19.63	81.9	18.99	76.2	18.14
	9.0	7.9	99.1	20.42	93.4	19.82	87.6	19.24	85.0	18.44	81.9	17.83	76.2	17.03
	11.0	9.8	99.1	18.95	93.4	18.40	87.6	17.86	85.0	17.12	81.9	16.55	76.2	15.80
	13.0	11.8	99.1	17.69	93.4	17.18	87.6	16.67	85.0	15.98	81.9	15.45	76.2	14.75
15.0	13.7	99.1	16.65	93.4	16.17	87.6	15.69	85.0	15.04	81.9	14.54	76.2	13.89	

# 7. Capacity Tables

Heating Capacity (34HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	65.7	33.31	65.7	33.51	65.3	33.92	65.3	34.53	65.3	32.85	64.3	31.29
	-21.8	-22	75.1	33.92	75.1	34.12	74.6	34.53	72.0	32.85	70.0	31.29	65.2	29.78
	-19.8	-20	81.3	34.33	79.3	34.53	74.6	33.35	72.0	31.73	70.0	30.25	65.2	28.78
	-18.8	-19	83.8	34.53	79.3	33.91	74.6	32.76	72.0	31.18	70.0	29.73	65.2	28.27
	-16.7	-17	84.0	33.26	79.3	32.64	74.6	31.52	72.0	30.00	70.0	28.63	65.2	27.21
	-13.7	-15	84.0	31.45	79.3	30.80	74.6	29.76	72.0	28.33	70.0	27.07	65.2	25.70
	-11.8	-13	84.0	30.30	79.3	29.65	74.6	28.64	72.0	27.27	70.0	26.07	65.2	24.75
	-9.8	-11	84.0	29.09	79.3	28.42	74.6	27.46	72.0	26.15	70.0	25.03	65.2	23.74
	-9.5	-10	84.0	28.90	79.3	28.25	74.6	27.29	72.0	25.99	70.0	24.87	65.2	23.59
	-8.5	-9.1	84.0	28.31	79.3	27.63	74.6	26.70	72.0	25.43	70.0	24.35	65.2	23.09
	-7.0	-7.6	84.0	27.40	79.3	26.72	74.6	25.81	72.0	24.58	70.0	23.56	65.2	22.34
	-5.0	-5.6	84.0	26.19	79.3	25.50	74.6	24.63	72.0	23.47	70.0	22.53	65.2	21.33
	-3.0	-3.7	84.0	24.98	79.3	24.28	74.6	23.45	72.0	22.35	70.0	21.48	65.2	20.32
	0.0	-0.7	84.0	23.17	79.3	22.45	74.6	21.69	72.0	20.68	70.0	19.92	65.2	18.81
	3.0	2.2	84.0	21.35	79.3	20.61	74.6	19.93	72.0	19.01	70.0	18.35	65.2	17.31
	5.0	4.1	84.0	20.15	79.3	19.40	74.6	18.75	72.0	17.88	70.0	17.31	65.2	16.29
	7.0	6.0	84.0	18.93	79.3	18.17	74.6	17.57	72.0	16.77	70.0	16.27	65.2	15.29
	9.0	7.9	84.0	17.10	79.3	16.41	74.6	15.86	72.0	15.14	70.0	14.69	65.2	13.81
11.0	9.8	84.0	15.92	79.3	15.28	74.6	14.77	72.0	14.10	70.0	13.68	65.2	12.86	
13.0	11.8	84.0	14.90	79.3	14.30	74.6	13.82	72.0	13.20	70.0	12.79	65.2	12.03	
15.0	13.7	84.0	14.05	79.3	13.48	74.6	13.03	72.0	12.44	70.0	12.06	65.2	11.34	
60	-24.8	-25	64.3	32.82	64.3	33.23	64.0	33.85	61.8	32.06	59.7	30.40	55.8	28.84
	-21.8	-22	68.9	33.43	68.2	33.85	64.0	32.06	61.8	30.40	59.7	28.84	55.8	27.33
	-19.8	-20	72.0	33.85	68.2	32.59	64.0	30.88	61.8	29.29	59.7	27.79	55.8	26.32
	-18.8	-19	72.0	33.21	68.2	31.95	64.0	30.29	61.8	28.73	59.7	27.27	55.8	25.82
	-16.7	-17	72.0	31.87	68.2	30.63	64.0	29.04	61.8	27.57	59.7	26.18	55.8	24.77
	-13.7	-15	72.0	29.97	68.2	28.75	64.0	27.27	61.8	25.90	59.7	24.62	55.8	23.76
	-11.8	-13	72.0	28.75	68.2	27.55	64.0	26.14	61.8	24.85	59.7	23.62	55.8	22.31
	-9.8	-11	72.0	27.48	68.2	26.29	64.0	24.95	61.8	23.74	59.7	22.58	55.8	21.30
	-9.5	-10	72.0	27.29	68.2	26.11	64.0	24.77	61.8	23.57	59.7	22.43	55.8	21.15
	-8.5	-9.1	72.0	26.65	68.2	25.48	64.0	24.18	61.8	23.02	59.7	21.90	55.8	20.65
	-7.0	-7.6	72.0	25.70	68.2	24.53	64.0	23.30	61.8	22.19	59.7	21.13	55.8	19.89
	-5.0	-5.6	72.0	24.43	68.2	23.28	64.0	22.11	61.8	21.07	59.7	20.08	55.8	18.88
	-3.0	-3.7	72.0	23.16	68.2	22.02	64.0	20.92	61.8	19.97	59.7	19.04	55.8	17.89
	0.0	-0.7	72.0	21.25	68.2	20.13	64.0	19.15	61.8	18.30	59.7	17.47	55.8	16.38
	3.0	2.2	72.0	19.34	68.2	18.25	64.0	17.37	61.8	16.64	59.7	15.91	55.8	14.87
	5.0	4.1	72.0	18.07	68.2	16.99	64.0	16.18	61.8	15.53	59.7	14.87	55.8	13.86
	7.0	6.0	72.0	16.80	68.2	15.73	64.0	15.00	61.8	14.41	59.7	13.83	55.8	12.86
	9.0	7.9	72.0	14.98	68.2	14.03	64.0	13.39	61.8	12.86	59.7	12.34	55.8	11.47
11.0	9.8	72.0	13.99	68.2	13.11	64.0	12.50	61.8	12.01	59.7	11.52	55.8	10.71	
13.0	11.8	72.0	13.11	68.2	12.28	64.0	11.71	61.8	11.25	59.7	10.79	55.8	10.04	
15.0	13.7	72.0	12.39	68.2	11.61	64.0	11.07	61.8	10.63	59.7	10.20	55.8	9.49	
50	-24.8	-25	60.1	28.87	56.7	29.49	53.3	27.89	51.6	26.42	49.9	25.02	46.5	23.72
	-21.8	-22	60.1	29.49	56.7	27.89	53.3	26.42	51.6	25.02	49.9	23.72	46.5	22.47
	-19.8	-20	60.1	28.38	56.7	26.84	53.3	25.43	51.6	24.09	49.9	22.86	46.5	21.64
	-18.8	-19	60.1	27.82	56.7	26.31	53.3	24.94	51.6	23.62	49.9	22.42	46.5	21.23
	-16.7	-17	60.1	26.66	56.7	25.21	53.3	23.91	51.6	22.65	49.9	21.51	46.5	20.35
	-13.7	-15	60.1	25.00	56.7	23.62	53.3	22.43	51.6	21.25	49.9	20.22	46.5	19.11
	-11.8	-13	60.1	23.95	56.7	22.62	53.3	21.49	51.6	20.36	49.9	19.39	46.5	18.32
	-9.8	-11	60.1	22.84	56.7	21.56	53.3	20.50	51.6	19.44	49.9	18.52	46.5	17.48
	-9.5	-10	60.1	22.67	56.7	21.41	53.3	20.35	51.6	19.30	49.9	18.40	46.5	17.36
	-8.5	-9.1	60.1	22.13	56.7	20.88	53.3	19.86	51.6	18.82	49.9	17.96	46.5	16.94
	-7.0	-7.6	60.1	21.30	56.7	20.09	53.3	19.13	51.6	18.13	49.9	17.32	46.5	16.32
	-5.0	-5.6	60.1	20.18	56.7	19.02	53.3	18.14	51.6	17.20	49.9	16.45	46.5	15.49
	-3.0	-3.7	60.1	19.08	56.7	17.97	53.3	17.15	51.6	16.27	49.9	15.58	46.5	14.65
	0.0	-0.7	60.1	17.43	56.7	16.38	53.3	15.67	51.6	14.87	49.9	14.28	46.5	13.40
	3.0	2.2	60.1	15.76	56.7	14.80	53.3	14.19	51.6	13.47	49.9	12.98	46.5	12.16
	5.0	4.1	60.1	14.66	56.7	13.74	53.3	13.21	51.6	12.54	49.9	12.12	46.5	11.33
	7.0	6.0	60.1	13.55	56.7	12.69	53.3	12.22	51.6	11.61	49.9	11.25	46.5	10.50
	9.0	7.9	60.1	12.24	56.7	11.46	53.3	11.04	51.6	10.48	49.9	10.16	46.5	9.47
11.0	9.8	60.1	11.45	56.7	10.72	53.3	10.32	51.6	9.81	49.9	9.50	46.5	8.87	
13.0	11.8	60.1	10.75	56.7	10.07	53.3	9.69	51.6	9.21	49.9	8.93	46.5	8.33	
15.0	13.7	60.1	10.17	56.7	9.53	53.3	9.18	51.6	8.71	49.9	8.45	46.5	7.88	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN360BTE5

Heating Capacity (36HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	69.3	38.35	69.3	38.79	68.9	39.16	68.9	39.74	68.9	40.30	68.0	41.16
	-21.8	-22	84.4	39.22	84.4	39.66	83.8	40.04	83.8	40.62	83.8	41.16	82.6	42.04
	-19.8	-20	89.0	39.80	89.0	40.24	88.4	40.62	88.4	41.20	88.4	41.74	87.2	42.61
	-18.8	-19	91.1	40.09	91.1	40.52	90.5	40.90	90.5	41.48	90.5	42.04	89.2	42.91
	-16.7	-17	95.4	40.70	95.4	41.14	94.8	41.51	94.8	42.09	94.8	42.64	93.4	43.51
	-13.7	-15	101.5	41.57	101.5	42.00	100.9	42.38	100.9	42.96	100.9	43.51	99.4	41.79
	-11.8	-13	104.8	42.12	104.8	42.56	104.2	42.93	104.2	43.51	104.2	42.35	103.2	40.69
	-9.8	-11	108.3	42.70	108.3	43.13	107.6	43.51	107.6	42.26	107.6	41.12	106.9	39.54
	-9.5	-10	108.9	42.79	108.9	43.23	108.3	43.32	108.3	42.07	108.1	40.94	107.5	39.37
	-8.5	-9.1	111.2	43.08	111.2	43.51	110.6	42.67	110.6	41.45	109.9	40.32	109.4	38.79
	-7.0	-7.6	114.7	43.51	114.7	42.57	113.9	41.71	113.9	40.51	113.9	39.40	112.8	37.93
	-5.0	-5.6	119.3	42.26	119.3	41.29	118.5	40.42	118.5	39.25	118.5	38.17	116.7	36.78
	-3.0	-3.7	123.9	41.02	123.9	40.02	123.1	39.14	123.1	38.01	123.1	36.94	120.7	35.63
	0.0	-0.7	130.7	39.15	130.7	38.12	129.9	37.20	129.9	36.12	129.9	35.09	126.5	33.90
	3.0	2.2	137.6	37.28	137.6	36.21	136.7	35.27	136.7	34.25	135.2	33.26	126.6	32.17
	5.0	4.1	141.6	36.04	141.6	34.94	140.9	33.98	139.7	32.99	135.9	32.03	126.6	31.02
	7.0	6.0	144.4	34.79	144.4	33.67	143.6	32.69	140.9	31.74	135.9	30.80	126.6	29.87
	9.0	7.9	144.9	33.75	144.9	32.66	144.4	31.72	140.9	30.80	135.9	29.87	126.6	28.98
	11.0	9.8	144.9	33.01	144.9	31.95	144.4	31.02	140.9	30.11	135.9	29.21	126.6	28.34
	13.0	11.8	144.9	32.21	144.9	31.18	144.4	30.27	140.9	29.38	135.9	28.51	126.6	27.66
15.0	13.7	144.9	31.35	144.9	30.34	144.4	29.46	140.9	28.60	135.9	27.75	126.6	26.92	
120	-24.8	-25	68.9	38.79	68.9	39.16	68.4	39.74	68.4	40.30	68.4	41.16	67.5	41.77
	-21.8	-22	83.8	39.66	83.8	40.04	83.2	40.62	83.2	41.16	83.2	42.04	82.1	42.64
	-19.8	-20	88.4	40.24	88.4	40.62	87.8	41.20	87.8	41.74	87.8	42.61	86.6	43.23
	-18.8	-19	90.4	40.52	90.4	40.90	89.8	41.48	89.8	42.04	89.8	42.91	88.6	43.51
	-16.7	-17	94.7	41.14	94.7	41.51	94.1	42.09	94.1	42.64	94.1	43.51	92.7	42.40
	-13.7	-15	100.7	42.00	100.7	42.38	100.1	42.96	100.1	43.51	100.1	41.85	98.7	40.82
	-11.8	-13	104.0	42.56	104.0	42.93	103.4	43.51	103.4	42.33	103.4	40.80	102.4	39.81
	-9.8	-11	107.5	43.13	107.5	43.51	106.9	42.21	106.9	41.10	106.9	39.69	106.2	38.76
	-9.5	-10	108.2	43.23	108.2	43.31	107.6	42.02	107.6	40.91	107.6	39.53	106.9	38.59
	-8.5	-9.1	110.5	43.51	110.5	42.61	109.7	41.37	109.7	40.29	109.7	38.98	108.9	38.06
	-7.0	-7.6	113.9	42.48	113.9	41.58	113.2	40.39	113.2	39.37	113.0	38.15	112.0	37.27
	-5.0	-5.6	118.5	41.10	118.5	40.20	117.7	39.09	117.7	38.13	117.7	37.04	116.0	36.21
	-3.0	-3.7	123.0	39.72	123.0	38.82	122.2	37.79	122.2	36.89	122.2	35.94	118.9	35.16
	0.0	-0.7	129.8	37.65	129.8	36.75	128.9	35.85	128.9	35.03	127.7	34.28	118.9	33.57
	3.0	2.2	136.6	35.58	136.6	34.69	134.9	33.89	132.0	33.17	127.9	32.62	118.9	31.98
	5.0	4.1	140.6	34.20	140.1	33.31	136.6	32.59	132.0	31.93	127.9	31.51	118.9	30.92
	7.0	6.0	143.4	32.81	142.3	31.92	136.6	31.29	132.0	30.70	127.9	30.40	118.9	29.86
	9.0	7.9	143.8	31.76	142.3	30.90	136.6	30.30	132.0	29.71	127.9	29.43	118.9	28.91
	11.0	9.8	143.8	30.99	142.3	30.15	136.6	29.56	132.0	28.99	127.9	28.71	118.9	28.20
	13.0	11.8	143.8	30.16	142.3	29.34	136.6	28.76	132.0	28.21	127.9	27.94	118.9	27.45
15.0	13.7	143.8	29.27	142.3	28.48	136.6	27.92	132.0	27.39	127.9	27.13	118.9	26.64	
110	-24.8	-25	68.5	39.16	68.5	39.74	68.1	40.30	68.1	41.16	68.1	41.77	67.1	42.06
	-21.8	-22	83.4	40.04	83.4	40.62	82.8	41.16	82.8	42.04	82.8	42.64	81.7	42.93
	-19.8	-20	87.9	40.62	87.9	41.20	87.4	41.74	87.4	42.61	87.4	43.23	86.1	43.51
	-18.8	-19	89.9	40.90	89.9	41.48	89.3	42.04	89.3	42.91	89.3	43.51	88.1	42.93
	-16.7	-17	94.2	41.51	94.2	42.09	93.6	42.64	93.6	43.51	93.6	42.32	92.2	41.71
	-13.7	-15	100.2	42.38	100.2	42.96	99.5	43.51	99.5	41.70	99.5	40.60	99.5	39.97
	-11.8	-13	103.5	42.93	103.5	43.51	102.8	42.23	102.8	40.55	102.8	39.52	102.8	38.85
	-9.8	-11	106.9	43.51	106.9	42.06	106.3	40.88	106.3	39.34	106.3	38.38	106.0	37.69
	-9.5	-10	107.6	43.28	107.6	41.84	107.0	40.68	107.0	39.16	107.0	38.21	106.7	37.51
	-8.5	-9.1	109.9	42.50	109.9	41.12	109.2	40.00	109.2	38.55	109.2	37.64	107.0	36.94
	-7.0	-7.6	113.3	41.31	113.3	40.03	112.6	38.98	112.6	37.64	112.6	36.78	107.0	36.06
	-5.0	-5.6	117.8	39.75	117.8	38.58	117.0	37.64	117.0	36.44	114.5	35.64	107.0	34.90
	-3.0	-3.7	122.3	38.18	122.3	37.12	121.4	36.28	118.6	35.23	114.5	34.50	107.0	33.73
	0.0	-0.7	129.1	35.82	128.7	34.95	122.5	34.26	118.6	33.41	114.5	32.79	107.0	31.98
	3.0	2.2	135.4	33.46	130.6	32.77	122.5	32.24	118.6	31.59	114.5	31.08	107.0	30.24
	5.0	4.1	138.2	31.89	130.6	31.32	122.5	30.88	118.6	30.38	114.5	29.94	107.0	29.08
	7.0	6.0	138.2	30.33	130.6	29.87	122.5	29.53	118.6	29.17	114.5	28.80	107.0	27.91
	9.0	7.9	138.2	29.22	130.6	28.78	122.5	28.47	118.6	28.11	114.5	27.76	107.0	26.90
	11.0	9.8	138.2	28.38	130.6	27.95	122.5	27.63	118.6	27.30	114.5	26.95	107.0	26.12
	13.0	11.8	138.2	27.47	130.6	27.06	122.5	26.75	118.6	26.43	114.5	26.09	107.0	25.29
15.0	13.7	138.2	26.51	130.6	26.11	122.5	25.82	118.6	25.51	114.5	25.17	107.0	24.40	

# 7. Capacity Tables

Heating Capacity (36HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	68.2	43.68	68.2	43.66	67.8	41.15	67.8	43.61	67.8	43.58	66.8	43.58
	-21.8	-22	82.9	43.65	82.9	43.63	82.5	42.45	82.5	43.57	82.5	44.18	81.2	43.53
	-19.8	-20	87.5	43.63	87.5	43.61	87.0	43.29	87.0	43.55	87.0	43.74	85.8	43.51
	-18.8	-19	89.5	43.61	89.0	43.60	89.0	43.57	89.0	43.54	89.0	43.51	87.7	42.81
	-16.7	-17	93.2	43.59	93.2	43.57	93.2	44.18	92.7	43.51	92.7	42.05	91.3	41.32
	-13.7	-15	99.7	43.56	99.7	43.54	99.1	43.51	99.1	41.39	99.1	39.97	97.8	39.21
	-11.8	-13	103.0	43.53	102.4	43.51	102.4	42.09	102.4	40.04	102.4	38.65	97.8	37.87
	-9.8	-11	106.3	43.51	106.3	41.91	105.9	40.58	105.9	38.62	104.9	37.26	97.8	36.46
	-9.5	-10	107.0	43.26	107.0	41.67	106.5	40.35	106.5	38.41	104.9	37.05	97.8	36.24
	-8.5	-9.1	109.3	42.41	109.3	40.87	108.8	39.60	108.5	37.70	104.9	36.35	97.8	35.54
	-7.0	-7.6	114.5	41.15	114.1	39.67	112.1	38.47	108.5	36.64	104.9	35.31	97.8	34.48
	-5.0	-5.6	119.5	39.47	118.3	38.06	112.1	36.97	108.5	35.23	104.9	33.92	97.8	33.07
	-3.0	-3.7	123.0	37.78	119.3	36.45	112.1	35.47	108.5	33.81	104.9	32.53	97.8	31.66
	0.0	-0.7	126.4	35.26	119.3	34.05	112.1	33.20	108.5	31.69	104.9	30.44	97.8	29.54
	3.0	2.2	126.4	32.73	119.3	31.64	112.1	30.95	108.5	29.56	104.9	28.36	97.8	27.42
	5.0	4.1	126.4	31.04	119.3	30.04	112.1	29.44	108.5	28.15	104.9	26.96	97.8	26.00
	7.0	6.0	126.4	29.36	119.3	28.44	112.1	27.94	108.5	26.73	104.9	25.58	97.8	24.59
	9.0	7.9	126.4	28.12	119.3	27.24	112.1	26.77	108.5	25.60	104.9	24.50	97.8	23.56
	11.0	9.8	126.4	27.11	119.3	26.27	112.1	25.80	108.5	24.69	104.9	23.62	97.8	22.72
	13.0	11.8	126.4	26.04	119.3	25.23	112.1	24.79	108.5	23.71	104.9	22.69	97.8	21.83
15.0	13.7	126.4	24.92	119.3	24.13	112.1	23.72	108.5	22.69	104.9	21.71	97.8	20.88	
90	-24.8	-25	67.9	38.67	67.9	39.54	67.5	40.15	67.5	40.44	67.5	41.02	66.6	41.88
	-21.8	-22	82.6	39.54	82.6	40.41	82.2	41.02	82.2	41.30	82.2	41.88	80.9	40.05
	-19.8	-20	87.2	40.12	87.2	40.98	86.6	41.60	86.6	41.88	86.6	40.63	85.4	38.82
	-18.8	-19	89.5	40.41	89.0	41.28	88.6	41.88	88.6	41.23	88.6	39.99	87.4	38.20
	-16.7	-17	93.2	41.02	93.2	41.88	92.8	40.54	92.8	39.87	92.8	38.67	89.3	36.91
	-13.7	-15	99.7	41.88	99.7	39.88	98.8	38.61	98.8	37.91	96.2	36.78	89.3	35.07
	-11.8	-13	103.0	40.50	102.4	38.60	102.0	37.39	99.4	36.68	96.2	35.57	89.3	33.90
	-9.8	-11	106.3	39.05	106.3	37.26	102.6	36.10	99.4	35.38	96.2	34.32	89.3	32.68
	-9.5	-10	107.0	38.83	107.0	37.06	102.6	35.91	99.4	35.18	96.2	34.13	89.3	32.50
	-8.5	-9.1	109.3	38.11	108.5	36.39	102.6	35.27	99.4	34.53	96.2	33.50	89.3	31.88
	-7.0	-7.6	114.5	37.02	108.9	35.39	102.6	34.30	99.4	33.55	96.2	32.55	89.3	30.96
	-5.0	-5.6	115.7	35.56	108.9	34.04	102.6	33.01	99.4	32.26	96.2	31.29	89.3	29.73
	-3.0	-3.7	115.7	34.11	108.9	32.71	102.6	31.73	99.4	30.95	96.2	30.02	89.3	28.50
	0.0	-0.7	115.7	31.92	108.9	30.69	102.6	29.80	99.4	29.00	96.2	28.13	89.3	26.66
	3.0	2.2	115.7	29.74	108.9	28.69	102.6	27.88	99.4	27.04	96.2	26.24	89.3	24.82
	5.0	4.1	115.7	28.29	108.9	27.34	102.6	26.59	99.4	25.74	96.2	24.98	89.3	23.59
	7.0	6.0	115.7	26.83	108.9	26.00	102.6	25.31	99.4	24.44	96.2	23.71	89.3	22.36
	9.0	7.9	115.7	25.47	108.9	24.68	102.6	24.02	99.4	23.20	96.2	22.51	89.3	21.23
	11.0	9.8	115.7	24.10	108.9	23.36	102.6	22.74	99.4	21.96	96.2	21.31	89.3	20.09
	13.0	11.8	115.7	22.74	108.9	22.04	102.6	21.44	99.4	20.71	96.2	20.10	89.3	18.95
15.0	13.7	115.7	21.38	108.9	20.72	102.6	20.16	99.4	19.48	96.2	18.89	89.3	17.81	
80	-24.8	-25	67.6	33.92	67.6	34.79	67.2	35.41	67.2	35.69	67.2	37.14	66.3	35.52
	-21.8	-22	81.7	34.79	81.7	35.67	81.7	36.27	81.7	37.14	81.7	35.52	79.8	33.97
	-19.8	-20	86.3	35.37	86.3	36.25	86.3	37.14	86.3	35.99	85.6	34.44	79.8	32.93
	-18.8	-19	88.3	35.67	88.3	37.14	88.3	36.56	88.3	35.42	85.8	33.90	79.8	32.41
	-16.7	-17	91.7	37.14	91.7	35.92	91.7	35.34	89.0	34.22	85.8	32.77	79.8	31.32
	-13.7	-15	95.9	35.34	94.0	34.18	91.7	33.59	89.0	32.50	85.8	31.15	79.8	29.77
	-11.8	-13	98.3	34.18	95.4	33.09	91.7	32.48	89.0	31.41	85.8	30.12	79.8	28.79
	-9.8	-11	100.9	32.98	96.8	31.92	91.7	31.32	89.0	30.27	85.8	29.04	79.8	27.75
	-9.5	-10	101.6	32.80	97.3	31.75	91.7	31.15	89.0	30.10	85.8	28.87	79.8	27.60
	-8.5	-9.1	102.7	32.20	97.8	31.17	91.7	30.56	89.0	29.52	85.8	28.33	79.8	27.08
	-7.0	-7.6	103.7	31.29	97.8	30.30	91.7	29.69	89.0	28.66	85.8	27.52	79.8	26.31
	-5.0	-5.6	103.7	30.09	97.8	29.14	91.7	28.52	89.0	27.52	85.8	26.44	79.8	25.27
	-3.0	-3.7	103.7	28.88	97.8	27.98	91.7	27.35	89.0	26.36	85.8	25.36	79.8	24.24
	0.0	-0.7	103.7	27.07	97.8	26.24	91.7	25.61	89.0	24.65	85.8	23.74	79.8	22.68
	3.0	2.2	103.7	25.26	97.8	24.51	91.7	23.86	89.0	22.93	85.8	22.12	79.8	21.13
	5.0	4.1	103.7	24.05	97.8	23.34	91.7	22.70	89.0	21.78	85.8	21.04	79.8	20.09
	7.0	6.0	103.7	22.85	97.8	22.19	91.7	21.53	89.0	20.63	85.8	19.96	79.8	19.06
	9.0	7.9	103.7	21.46	97.8	20.83	91.7	20.22	89.0	19.38	85.8	18.74	79.8	17.89
	11.0	9.8	103.7	19.92	97.8	19.33	91.7	18.76	89.0	17.99	85.8	17.39	79.8	16.60
	13.0	11.8	103.7	18.59	97.8	18.05	91.7	17.52	89.0	16.79	85.8	16.23	79.8	15.50
15.0	13.7	103.7	17.50	97.8	16.99	91.7	16.49	89.0	15.80	85.8	15.28	79.8	14.60	

# 7. Capacity Tables

Heating Capacity (36HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	67.6	34.38	67.6	34.66	67.2	35.25	67.2	36.12	67.2	34.37	66.2	32.75
	-21.8	-22	78.6	35.25	78.6	35.54	78.1	36.12	75.4	34.37	73.2	32.75	68.3	31.17
	-19.8	-20	85.9	35.83	83.0	36.12	78.1	34.89	75.4	33.21	73.2	31.66	68.3	30.12
	-18.8	-19	87.7	36.12	83.0	35.48	78.1	34.27	75.4	32.63	73.2	31.12	68.3	29.60
	-16.7	-17	87.9	34.80	83.0	34.15	78.1	32.99	75.4	31.41	73.2	29.97	68.3	28.50
	-13.7	-15	87.9	32.92	83.0	32.24	78.1	31.16	75.4	29.66	73.2	28.34	68.3	26.92
	-11.8	-13	87.9	31.71	83.0	31.04	78.1	29.99	75.4	28.55	73.2	27.31	68.3	25.93
	-9.8	-11	87.9	30.46	83.0	29.76	78.1	28.76	75.4	27.40	73.2	26.22	68.3	24.87
	-9.5	-10	87.9	30.27	83.0	29.58	78.1	28.58	75.4	27.22	73.2	26.05	68.3	24.72
	-8.5	-9.1	87.9	29.65	83.0	28.94	78.1	27.97	75.4	26.64	73.2	25.51	68.3	24.19
	-7.0	-7.6	87.9	28.70	83.0	27.99	78.1	27.04	75.4	25.76	73.2	24.70	68.3	23.41
	-5.0	-5.6	87.9	27.44	83.0	26.72	78.1	25.81	75.4	24.60	73.2	23.62	68.3	22.36
	-3.0	-3.7	87.9	26.18	83.0	25.45	78.1	24.59	75.4	23.43	73.2	22.53	68.3	21.31
	0.0	-0.7	87.9	24.30	83.0	23.55	78.1	22.75	75.4	21.69	73.2	20.90	68.3	19.73
	3.0	2.2	87.9	22.41	83.0	21.63	78.1	20.91	75.4	19.95	73.2	19.26	68.3	18.17
	5.0	4.1	87.9	21.16	83.0	20.37	78.1	19.69	75.4	18.78	73.2	18.18	68.3	17.11
	7.0	6.0	87.9	19.90	83.0	19.10	78.1	18.46	75.4	17.62	73.2	17.09	68.3	16.07
9.0	7.9	87.9	17.97	83.0	17.24	78.1	16.67	75.4	15.91	73.2	15.43	68.3	14.51	
11.0	9.8	87.9	16.73	83.0	16.06	78.1	15.52	75.4	14.81	73.2	14.37	68.3	13.51	
13.0	11.8	87.9	15.66	83.0	15.03	78.1	14.52	75.4	13.87	73.2	13.44	68.3	12.64	
15.0	13.7	87.9	14.76	83.0	14.17	78.1	13.69	75.4	13.07	73.2	12.67	68.3	11.91	
60	-24.8	-25	67.0	33.80	67.0	34.38	66.6	35.25	64.7	33.41	62.5	31.69	58.5	30.07
	-21.8	-22	72.0	34.66	71.4	35.25	67.0	33.41	64.7	31.69	62.5	30.07	58.5	28.51
	-19.8	-20	75.4	35.25	71.4	33.95	67.0	32.19	64.7	30.54	62.5	28.98	58.5	27.46
	-18.8	-19	75.4	34.59	71.4	33.30	67.0	31.57	64.7	29.96	62.5	28.45	58.5	26.94
	-16.7	-17	75.4	33.21	71.4	31.93	67.0	30.28	64.7	28.76	62.5	27.32	58.5	25.86
	-13.7	-15	75.4	31.25	71.4	29.99	67.0	28.45	64.7	27.03	62.5	25.70	58.5	24.29
	-11.8	-13	75.4	29.99	71.4	28.75	67.0	27.29	64.7	25.94	62.5	24.67	58.5	23.30
	-9.8	-11	75.4	28.68	71.4	27.45	67.0	26.05	64.7	24.80	62.5	23.59	58.5	22.26
	-9.5	-10	75.4	28.48	71.4	27.26	67.0	25.87	64.7	24.62	62.5	23.43	58.5	22.11
	-8.5	-9.1	75.4	27.82	71.4	26.60	67.0	25.26	64.7	24.05	62.5	22.89	58.5	21.58
	-7.0	-7.6	75.4	26.85	71.4	25.63	67.0	24.34	64.7	23.19	62.5	22.09	58.5	20.80
	-5.0	-5.6	75.4	25.53	71.4	24.33	67.0	23.12	64.7	22.04	62.5	21.00	58.5	19.76
	-3.0	-3.7	75.4	24.22	71.4	23.03	67.0	21.89	64.7	20.89	62.5	19.92	58.5	18.72
	0.0	-0.7	75.4	22.24	71.4	21.08	67.0	20.05	64.7	19.17	62.5	18.30	58.5	17.16
	3.0	2.2	75.4	20.28	71.4	19.13	67.0	18.21	64.7	17.45	62.5	16.69	58.5	15.60
	5.0	4.1	75.4	18.96	71.4	17.83	67.0	16.99	64.7	16.30	62.5	15.61	58.5	14.55
	7.0	6.0	75.4	17.65	71.4	16.53	67.0	15.76	64.7	15.14	62.5	14.53	58.5	13.51
9.0	7.9	75.4	15.74	71.4	14.75	67.0	14.07	64.7	13.51	62.5	12.97	58.5	12.05	
11.0	9.8	75.4	14.70	71.4	13.77	67.0	13.13	64.7	12.62	62.5	12.11	58.5	11.25	
13.0	11.8	75.4	13.77	71.4	12.90	67.0	12.30	64.7	11.82	62.5	11.34	58.5	10.55	
15.0	13.7	75.4	13.01	71.4	12.20	67.0	11.63	64.7	11.17	62.5	10.72	58.5	9.97	
50	-24.8	-25	62.9	29.96	59.3	30.84	55.8	29.18	54.0	27.64	52.2	26.19	48.6	24.83
	-21.8	-22	62.9	30.84	59.3	29.18	55.8	27.64	54.0	26.19	52.2	24.83	48.6	23.52
	-19.8	-20	62.9	29.68	59.3	28.08	55.8	26.61	54.0	25.21	52.2	23.93	48.6	22.66
	-18.8	-19	62.9	29.10	59.3	27.53	55.8	26.10	54.0	24.72	52.2	23.47	48.6	22.23
	-16.7	-17	62.9	27.90	59.3	26.38	55.8	25.02	54.0	23.71	52.2	22.52	48.6	21.31
	-13.7	-15	62.9	26.16	59.3	24.72	55.8	23.48	54.0	22.25	52.2	21.17	48.6	20.02
	-11.8	-13	62.9	25.07	59.3	23.68	55.8	22.50	54.0	21.32	52.2	20.31	48.6	19.19
	-9.8	-11	62.9	23.91	59.3	22.58	55.8	21.47	54.0	20.36	52.2	19.41	48.6	18.32
	-9.5	-10	62.9	23.74	59.3	22.42	55.8	21.32	54.0	20.21	52.2	19.28	48.6	18.19
	-8.5	-9.1	62.9	23.17	59.3	21.86	55.8	20.81	54.0	19.72	52.2	18.82	48.6	17.75
	-7.0	-7.6	62.9	22.31	59.3	21.04	55.8	20.04	54.0	19.00	52.2	18.15	48.6	17.10
	-5.0	-5.6	62.9	21.15	59.3	19.94	55.8	19.01	54.0	18.03	52.2	17.24	48.6	16.23
	-3.0	-3.7	62.9	20.00	59.3	18.84	55.8	17.98	54.0	17.05	52.2	16.34	48.6	15.37
	0.0	-0.7	62.9	18.28	59.3	17.18	55.8	16.43	54.0	15.60	52.2	14.98	48.6	14.06
	3.0	2.2	62.9	16.54	59.3	15.53	55.8	14.90	54.0	14.14	52.2	13.62	48.6	12.77
	5.0	4.1	62.9	15.39	59.3	14.43	55.8	13.87	54.0	13.17	52.2	12.73	48.6	11.90
	7.0	6.0	62.9	14.24	59.3	13.33	55.8	12.84	54.0	12.20	52.2	11.82	48.6	11.03
9.0	7.9	62.9	12.86	59.3	12.04	55.8	11.60	54.0	11.01	52.2	10.68	48.6	9.95	
11.0	9.8	62.9	12.03	59.3	11.27	55.8	10.85	54.0	10.31	52.2	9.99	48.6	9.32	
13.0	11.8	62.9	11.30	59.3	10.58	55.8	10.18	54.0	9.68	52.2	9.38	48.6	8.75	
15.0	13.7	62.9	10.68	59.3	10.01	55.8	9.64	54.0	9.15	52.2	8.88	48.6	8.28	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN380BTE5

Heating Capacity (38HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	72.7	40.42	72.7	40.78	72.3	41.08	72.3	41.56	72.3	42.02	70.9	42.73
	-21.8	-22	89.3	41.13	89.3	41.49	88.6	41.80	88.6	42.28	88.6	42.73	86.9	43.45
	-19.8	-20	94.5	41.61	94.5	41.97	93.9	42.28	93.9	42.76	93.9	43.21	92.1	43.92
	-18.8	-19	96.7	41.85	96.7	42.20	96.1	42.52	96.1	43.00	96.1	43.45	94.2	44.17
	-16.7	-17	101.3	42.35	101.3	42.71	100.6	43.01	100.6	43.49	100.6	43.95	98.7	44.67
	-13.7	-15	107.7	43.06	107.7	43.43	107.1	43.74	107.1	44.22	107.1	44.67	105.0	43.04
	-11.8	-13	111.2	43.52	111.2	43.88	110.6	44.19	110.6	44.67	110.6	45.16	109.0	42.00
	-9.8	-11	114.9	44.00	114.9	44.35	114.2	44.67	114.2	45.14	114.2	45.61	113.2	40.91
	-9.5	-10	115.6	44.07	115.6	44.43	114.9	44.49	114.9	43.33	114.8	42.25	113.9	40.75
	-8.5	-9.1	117.8	44.31	117.8	44.67	117.1	43.90	117.1	42.76	116.6	41.67	116.0	40.20
	-7.0	-7.6	121.1	44.67	121.1	43.82	120.3	43.02	120.3	41.89	120.3	40.81	119.1	39.39
	-5.0	-5.6	125.6	43.57	125.6	42.67	124.8	41.84	124.8	40.72	124.8	39.66	123.3	38.30
	-3.0	-3.7	130.0	42.48	130.0	41.53	129.2	40.67	129.2	39.57	129.2	38.51	127.5	37.21
	0.0	-0.7	136.7	40.84	136.7	39.82	135.8	38.90	135.8	37.82	135.8	36.78	133.6	35.58
	3.0	2.2	143.4	39.19	143.4	38.10	142.4	37.13	142.4	36.08	142.4	35.06	133.7	33.95
	5.0	4.1	147.7	38.10	147.7	36.96	146.9	35.95	146.9	34.92	146.9	33.91	133.7	32.86
	7.0	6.0	152.2	37.01	152.2	35.82	151.2	34.77	148.8	33.76	143.6	32.76	133.7	31.77
9.0	7.9	153.0	36.11	153.0	34.94	152.5	33.93	148.8	32.95	143.6	31.96	133.7	31.00	
11.0	9.8	153.0	35.53	153.0	34.39	152.5	33.39	148.8	32.42	143.6	31.45	133.7	30.51	
13.0	11.8	153.0	34.91	153.0	33.79	152.5	32.80	148.8	31.84	143.6	30.90	133.7	29.97	
15.0	13.7	153.0	34.23	153.0	33.12	152.5	32.16	148.8	31.22	143.6	30.30	133.7	29.39	
120	-24.8	-25	72.2	40.78	72.2	41.08	71.8	41.56	71.8	42.02	71.8	42.73	70.4	43.23
	-21.8	-22	88.6	41.49	88.6	41.80	88.0	42.28	88.0	42.73	88.0	43.45	86.4	43.95
	-19.8	-20	93.8	41.97	93.8	42.28	93.2	42.76	93.2	43.21	93.2	43.92	91.4	44.43
	-18.8	-19	96.0	42.20	96.0	42.52	95.3	43.00	95.3	43.45	95.3	44.17	93.5	44.67
	-16.7	-17	100.5	42.71	100.5	43.01	99.9	43.49	99.9	43.95	99.9	44.67	97.9	43.62
	-13.7	-15	106.9	43.43	106.9	43.74	106.3	44.22	106.3	44.67	106.3	45.14	104.2	42.12
	-11.8	-13	110.4	43.88	110.4	44.19	109.8	44.67	109.8	45.16	109.8	45.61	108.2	41.17
	-9.8	-11	114.1	44.35	114.1	44.67	113.4	43.45	113.4	42.41	113.4	41.08	112.4	40.17
	-9.5	-10	114.8	44.43	114.8	44.48	114.1	43.28	114.1	42.23	114.1	40.92	113.1	40.02
	-8.5	-9.1	117.0	44.67	117.0	43.84	116.2	42.67	116.2	41.65	116.2	40.40	115.1	39.51
	-7.0	-7.6	120.3	43.73	120.3	42.88	119.5	41.76	119.5	40.78	119.5	39.62	118.3	38.76
	-5.0	-5.6	124.7	42.47	124.7	41.61	123.9	40.55	123.9	39.62	123.9	38.58	122.5	37.77
	-3.0	-3.7	129.1	41.21	129.1	40.33	128.3	39.34	128.3	38.45	128.3	37.55	125.6	36.77
	0.0	-0.7	135.7	39.32	135.7	38.42	134.8	37.53	134.8	36.72	134.8	35.98	125.6	35.27
	3.0	2.2	142.3	37.42	142.3	36.51	141.4	35.71	139.5	34.97	135.1	34.42	125.6	33.77
	5.0	4.1	146.7	36.16	146.7	35.24	144.2	34.49	139.5	33.81	135.1	33.38	125.6	32.77
	7.0	6.0	151.2	34.90	150.2	33.95	144.2	33.28	139.5	32.65	135.1	32.34	125.6	31.76
9.0	7.9	151.8	33.97	150.2	33.04	144.2	32.40	139.5	31.78	135.1	31.47	125.6	30.91	
11.0	9.8	151.8	33.33	150.2	32.43	144.2	31.79	139.5	31.19	135.1	30.89	125.6	30.34	
13.0	11.8	151.8	32.65	150.2	31.76	144.2	31.13	139.5	30.54	135.1	30.25	125.6	29.72	
15.0	13.7	151.8	31.91	150.2	31.04	144.2	30.43	139.5	29.86	135.1	29.57	125.6	29.04	
110	-24.8	-25	71.9	41.08	71.9	41.56	71.4	42.02	71.4	42.73	71.4	43.23	70.0	43.47
	-21.8	-22	88.1	41.80	88.1	42.28	87.5	42.73	87.5	43.45	87.5	43.95	85.9	44.19
	-19.8	-20	93.4	42.28	93.4	42.76	92.7	43.21	92.7	43.92	92.7	44.43	91.0	44.67
	-18.8	-19	95.5	42.52	95.5	43.00	94.8	43.45	94.8	44.17	94.8	44.67	93.1	44.11
	-16.7	-17	100.0	43.01	100.0	43.49	99.4	43.95	99.4	44.67	99.4	45.14	97.4	42.93
	-13.7	-15	106.3	43.74	106.3	44.22	105.7	44.67	105.7	45.14	105.7	45.61	103.7	41.26
	-11.8	-13	109.8	44.19	109.8	44.67	109.2	45.14	109.2	45.61	109.2	46.08	107.2	40.19
	-9.8	-11	113.5	44.67	113.5	45.14	112.8	45.61	112.8	46.08	112.8	46.55	110.8	39.12
	-9.5	-10	114.1	44.45	114.1	44.09	113.5	41.98	113.5	40.53	113.5	39.61	113.0	38.91
	-8.5	-9.1	116.3	43.71	116.3	42.41	115.7	41.34	115.7	39.95	115.7	39.07	113.0	38.35
	-7.0	-7.6	119.7	42.60	119.7	41.37	118.9	40.38	118.9	39.09	118.9	38.25	113.0	37.51
	-5.0	-5.6	124.0	41.12	124.0	40.00	123.2	39.10	123.2	37.94	121.0	37.16	113.0	36.40
	-3.0	-3.7	128.4	39.65	128.4	38.63	127.6	37.82	125.2	36.79	121.0	36.07	113.0	35.28
	0.0	-0.7	135.0	37.43	135.0	36.57	129.4	35.90	125.2	35.06	121.0	34.45	113.0	33.60
	3.0	2.2	141.5	35.21	138.0	34.52	129.4	33.98	125.2	33.33	121.0	32.81	113.0	31.92
	5.0	4.1	145.9	33.73	138.0	33.14	129.4	32.70	125.2	32.18	121.0	31.72	113.0	30.81
	7.0	6.0	146.0	32.26	138.0	31.77	129.4	31.41	125.2	31.03	121.0	30.63	113.0	29.69
9.0	7.9	146.0	31.25	138.0	30.78	129.4	30.44	125.2	30.06	121.0	29.68	113.0	28.77	
11.0	9.8	146.0	30.52	138.0	30.05	129.4	29.72	125.2	29.35	121.0	28.98	113.0	28.09	
13.0	11.8	146.0	29.72	138.0	29.28	129.4	28.95	125.2	28.60	121.0	28.23	113.0	27.36	
15.0	13.7	146.0	28.89	138.0	28.45	129.4	28.13	125.2	27.79	121.0	27.43	113.0	26.59	

# 7. Capacity Tables

Heating Capacity (38HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	71.6	45.49	71.6	45.38	71.1	42.52	71.1	45.12	71.1	45.00	69.7	44.95
	-21.8	-22	87.7	45.33	87.7	45.22	87.2	43.86	87.2	44.95	87.2	45.45	85.5	44.78
	-19.8	-20	92.9	45.22	92.9	45.11	92.4	44.71	92.4	44.84	92.4	44.93	90.6	44.67
	-18.8	-19	95.0	45.16	94.5	45.06	94.5	44.95	94.5	44.79	94.5	44.67	92.6	43.98
	-16.7	-17	98.9	45.05	98.9	44.94	98.9	45.45	98.4	44.67	98.4	43.24	96.5	42.53
	-13.7	-15	105.8	44.89	105.8	44.78	105.2	44.67	105.2	42.61	105.2	41.22	103.3	40.46
	-11.8	-13	109.3	44.78	108.7	44.67	108.7	43.30	108.7	41.31	108.7	39.93	103.3	39.14
	-9.8	-11	112.9	44.67	112.9	43.13	112.3	41.85	112.3	39.94	110.8	38.58	103.3	37.77
	-9.5	-10	113.5	44.43	113.5	42.90	113.0	41.63	113.0	39.74	110.8	38.38	103.3	37.55
	-8.5	-9.1	115.7	43.62	115.7	42.14	115.2	40.91	114.6	39.05	110.8	37.69	103.3	36.87
	-7.0	-7.6	121.0	42.43	120.5	40.99	118.4	39.83	114.6	38.02	110.8	36.68	103.3	35.83
	-5.0	-5.6	126.2	40.83	125.0	39.46	118.4	38.39	114.6	36.66	110.8	35.33	103.3	34.45
	-3.0	-3.7	129.9	39.23	126.0	37.91	118.4	36.95	114.6	35.28	110.8	33.97	103.3	33.07
	0.0	-0.7	133.5	36.83	126.0	35.61	118.4	34.77	114.6	33.23	110.8	31.94	103.3	30.99
	3.0	2.2	133.5	34.43	126.0	33.32	118.4	32.61	114.6	31.17	110.8	29.92	103.3	28.93
	5.0	4.1	133.5	32.82	126.0	31.78	118.4	31.16	114.6	29.80	110.8	28.56	103.3	27.54
	7.0	6.0	133.5	31.23	126.0	30.25	118.4	29.72	114.6	28.43	110.8	27.21	103.3	26.16
	9.0	7.9	133.5	30.09	126.0	29.15	118.4	28.65	114.6	27.40	110.8	26.22	103.3	25.22
11.0	9.8	133.5	29.22	126.0	28.30	118.4	27.81	114.6	26.61	110.8	25.45	103.3	24.48	
13.0	11.8	133.5	28.28	126.0	27.40	118.4	26.92	114.6	25.75	110.8	24.64	103.3	23.70	
15.0	13.7	133.5	27.29	126.0	26.43	118.4	25.98	114.6	24.85	110.8	23.77	103.3	22.86	
90	-24.8	-25	71.3	40.44	71.3	41.15	70.8	41.66	70.8	41.90	70.8	42.37	69.5	43.09
	-21.8	-22	87.4	41.15	87.4	41.88	86.9	42.37	86.9	42.61	86.9	43.09	85.1	41.27
	-19.8	-20	92.6	41.63	92.6	42.34	92.0	42.85	92.0	43.09	92.0	41.85	90.2	40.06
	-18.8	-19	95.0	41.88	94.5	42.59	94.1	43.09	94.1	42.45	94.1	41.23	92.3	39.45
	-16.7	-17	98.9	42.37	98.9	43.09	98.5	41.78	98.5	41.11	98.5	39.92	94.3	38.17
	-13.7	-15	105.8	43.09	105.8	41.14	104.9	39.89	104.9	39.19	101.6	38.07	94.3	36.35
	-11.8	-13	109.3	41.75	108.7	39.89	108.2	38.70	105.0	37.99	101.6	36.88	94.3	35.19
	-9.8	-11	112.9	40.35	112.9	38.60	108.4	37.45	105.0	36.71	101.6	35.65	94.3	33.99
	-9.5	-10	113.5	40.14	113.5	38.40	108.4	37.26	105.0	36.52	101.6	35.46	94.3	33.81
	-8.5	-9.1	115.7	39.44	114.9	37.75	108.4	36.64	105.0	35.88	101.6	34.84	94.3	33.20
	-7.0	-7.6	121.0	38.38	115.1	36.77	108.4	35.69	105.0	34.92	101.6	33.91	94.3	32.29
	-5.0	-5.6	122.3	36.97	115.1	35.47	108.4	34.43	105.0	33.66	101.6	32.67	94.3	31.07
	-3.0	-3.7	122.3	35.57	115.1	34.17	108.4	33.19	105.0	32.38	101.6	31.42	94.3	29.86
	0.0	-0.7	122.3	33.46	115.1	32.21	108.4	31.30	105.0	30.46	101.6	29.57	94.3	28.03
	3.0	2.2	122.3	31.35	115.1	30.27	108.4	29.43	105.0	28.55	101.6	27.71	94.3	26.22
	5.0	4.1	122.3	29.95	115.1	28.96	108.4	28.17	105.0	27.27	101.6	26.47	94.3	25.00
	7.0	6.0	122.3	28.53	115.1	27.65	108.4	26.92	105.0	25.99	101.6	25.22	94.3	23.79
	9.0	7.9	122.3	27.21	115.1	26.37	108.4	25.66	105.0	24.79	101.6	24.05	94.3	22.68
11.0	9.8	122.3	25.87	115.1	25.08	108.4	24.41	105.0	23.58	101.6	22.88	94.3	21.57	
13.0	11.8	122.3	24.55	115.1	23.79	108.4	23.15	105.0	22.36	101.6	21.70	94.3	20.46	
15.0	13.7	122.3	23.22	115.1	22.51	108.4	21.90	105.0	21.16	101.6	20.52	94.3	19.35	
80	-24.8	-25	71.0	35.56	71.0	36.27	70.5	36.78	70.5	37.01	70.5	38.21	69.2	36.61
	-21.8	-22	86.4	36.27	86.4	36.99	86.4	37.49	86.4	38.21	86.4	36.61	84.3	35.07
	-19.8	-20	91.6	36.75	91.6	37.47	91.6	38.21	91.6	37.08	90.6	35.54	84.3	34.04
	-18.8	-19	93.7	36.99	93.7	38.21	93.7	37.64	93.7	36.52	90.6	35.01	84.3	33.52
	-16.7	-17	96.9	38.21	96.9	37.02	96.9	36.44	94.0	35.33	90.6	33.88	84.3	32.44
	-13.7	-15	101.3	36.45	99.3	35.32	96.9	34.72	94.0	33.64	90.6	32.29	84.3	30.90
	-11.8	-13	103.8	35.33	100.7	34.25	96.9	33.64	94.0	32.56	90.6	31.27	84.3	29.93
	-9.8	-11	106.5	34.16	102.2	33.11	96.9	32.50	94.0	31.44	90.6	30.20	84.3	28.90
	-9.5	-10	107.3	33.99	102.8	32.94	96.9	32.33	94.0	31.27	90.6	30.04	84.3	28.75
	-8.5	-9.1	108.4	33.40	103.2	32.38	96.9	31.76	94.0	30.70	90.6	29.51	84.3	28.23
	-7.0	-7.6	109.5	32.52	103.2	31.53	96.9	30.90	94.0	29.85	90.6	28.70	84.3	27.47
	-5.0	-5.6	109.5	31.35	103.2	30.39	96.9	29.75	94.0	28.73	90.6	27.64	84.3	26.43
	-3.0	-3.7	109.5	30.17	103.2	29.26	96.9	28.61	94.0	27.59	90.6	26.57	84.3	25.41
	0.0	-0.7	109.5	28.41	103.2	27.56	96.9	26.90	94.0	25.90	90.6	24.97	84.3	23.86
	3.0	2.2	109.5	26.65	103.2	25.87	96.9	25.19	94.0	24.21	90.6	23.36	84.3	22.33
	5.0	4.1	109.5	25.48	103.2	24.73	96.9	24.05	94.0	23.08	90.6	22.30	84.3	21.29
	7.0	6.0	109.5	24.31	103.2	23.60	96.9	22.91	94.0	21.95	90.6	21.23	84.3	20.27
	9.0	7.9	109.5	22.83	103.2	22.16	96.9	21.51	94.0	20.61	90.6	19.94	84.3	19.03
11.0	9.8	109.5	21.19	103.2	20.56	96.9	19.96	94.0	19.13	90.6	18.50	84.3	17.66	
13.0	11.8	109.5	19.77	103.2	19.20	96.9	18.63	94.0	17.86	90.6	17.27	84.3	16.49	
15.0	13.7	109.5	18.62	103.2	18.07	96.9	17.54	94.0	16.81	90.6	16.26	84.3	15.53	

# 7. Capacity Tables

Heating Capacity (38HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	71.0	35.88	71.0	36.12	70.5	36.60	70.5	37.32	70.5	35.56	69.2	33.93
	-21.8	-22	83.0	36.60	83.0	36.84	82.5	37.32	79.7	35.56	77.3	33.93	72.2	32.33
	-19.8	-20	91.1	37.07	87.7	37.32	82.5	36.09	79.7	34.40	77.3	32.83	72.2	31.27
	-18.8	-19	92.9	37.32	87.7	36.68	82.5	35.47	79.7	33.81	77.3	32.29	72.2	30.75
	-16.7	-17	92.9	36.00	87.7	35.35	82.5	34.19	79.7	32.59	77.3	31.13	72.2	29.64
	-13.7	-15	92.9	34.13	87.7	33.44	82.5	32.35	79.7	30.83	77.3	29.49	72.2	28.05
	-11.8	-13	92.9	32.93	87.7	32.24	82.5	31.18	79.7	29.72	77.3	28.46	72.2	27.04
	-9.8	-11	92.9	31.68	87.7	30.97	82.5	29.95	79.7	28.56	77.3	27.36	72.2	25.98
	-9.5	-10	92.9	31.50	87.7	30.78	82.5	29.76	79.7	28.38	77.3	27.20	72.2	25.82
	-8.5	-9.1	92.9	30.87	87.7	30.14	82.5	29.15	79.7	27.80	77.3	26.65	72.2	25.29
	-7.0	-7.6	92.9	29.93	87.7	29.20	82.5	28.23	79.7	26.92	77.3	25.84	72.2	24.50
	-5.0	-5.6	92.9	28.67	87.7	27.92	82.5	27.00	79.7	25.75	77.3	24.74	72.2	23.44
	-3.0	-3.7	92.9	27.42	87.7	26.66	82.5	25.78	79.7	24.58	77.3	23.65	72.2	22.39
	0.0	-0.7	92.9	25.55	87.7	24.76	82.5	23.93	79.7	22.83	77.3	22.01	72.2	20.79
	3.0	2.2	92.9	23.67	87.7	22.85	82.5	22.09	79.7	21.08	77.3	20.37	72.2	19.21
	5.0	4.1	92.9	22.42	87.7	21.58	82.5	20.87	79.7	19.91	77.3	19.27	72.2	18.15
	7.0	6.0	92.9	21.17	87.7	20.32	82.5	19.64	79.7	18.74	77.3	18.18	72.2	17.09
	9.0	7.9	92.9	19.12	87.7	18.34	82.5	17.73	79.7	16.93	77.3	16.41	72.2	15.44
	11.0	9.8	92.9	17.80	87.7	17.08	82.5	16.50	79.7	15.76	77.3	15.29	72.2	14.37
	13.0	11.8	92.9	16.65	87.7	15.98	82.5	15.44	79.7	14.75	77.3	14.30	72.2	13.45
15.0	13.7	92.9	15.70	87.7	15.07	82.5	14.56	79.7	13.90	77.3	13.48	72.2	12.67	
60	-24.8	-25	70.8	35.40	70.8	35.88	70.3	36.60	68.4	34.73	66.0	32.97	61.8	31.32
	-21.8	-22	76.1	36.12	75.4	36.60	70.7	34.73	68.4	32.97	66.0	31.32	61.8	29.72
	-19.8	-20	79.7	36.60	75.4	35.28	70.7	33.48	68.4	31.80	66.0	30.21	61.8	28.65
	-18.8	-19	79.7	35.93	75.4	34.62	70.7	32.85	68.4	31.21	66.0	29.67	61.8	28.12
	-16.7	-17	79.7	34.53	75.4	33.23	70.7	31.55	68.4	29.98	66.0	28.51	61.8	27.01
	-13.7	-15	79.7	32.55	75.4	31.26	70.7	29.68	68.4	28.23	66.0	26.86	61.8	25.40
	-11.8	-13	79.7	31.28	75.4	30.00	70.7	28.50	68.4	27.12	66.0	25.81	61.8	24.39
	-9.8	-11	79.7	29.94	75.4	28.68	70.7	27.24	68.4	25.95	66.0	24.71	61.8	23.32
	-9.5	-10	79.7	29.75	75.4	28.48	70.7	27.06	68.4	25.77	66.0	24.54	61.8	23.17
	-8.5	-9.1	79.7	29.08	75.4	27.82	70.7	26.43	68.4	25.19	66.0	23.99	61.8	22.63
	-7.0	-7.6	79.7	28.09	75.4	26.83	70.7	25.50	68.4	24.31	66.0	23.17	61.8	21.84
	-5.0	-5.6	79.7	26.76	75.4	25.51	70.7	24.25	68.4	23.14	66.0	22.07	61.8	20.77
	-3.0	-3.7	79.7	25.42	75.4	24.19	70.7	23.01	68.4	21.96	66.0	20.96	61.8	19.70
	0.0	-0.7	79.7	23.43	75.4	22.21	70.7	21.13	68.4	20.21	66.0	19.31	61.8	18.10
	3.0	2.2	79.7	21.44	75.4	20.22	70.7	19.26	68.4	18.46	66.0	17.67	61.8	16.51
	5.0	4.1	79.7	20.10	75.4	18.90	70.7	18.02	68.4	17.29	66.0	16.56	61.8	15.44
	7.0	6.0	79.7	18.77	75.4	17.58	70.7	16.76	68.4	16.11	66.0	15.45	61.8	14.37
	9.0	7.9	79.7	16.75	75.4	15.69	70.7	14.96	68.4	14.37	66.0	13.79	61.8	12.82
	11.0	9.8	79.7	15.64	75.4	14.65	70.7	13.96	68.4	13.43	66.0	12.88	61.8	11.97
	13.0	11.8	79.7	14.65	75.4	13.72	70.7	13.08	68.4	12.58	66.0	12.06	61.8	11.22
15.0	13.7	79.7	13.84	75.4	12.97	70.7	12.37	68.4	11.88	66.0	11.41	61.8	10.60	
50	-24.8	-25	66.5	31.00	62.7	31.72	58.9	30.07	57.0	28.52	55.1	27.05	51.3	25.69
	-21.8	-22	66.5	31.72	62.7	30.07	58.9	28.52	57.0	27.05	55.1	25.69	51.3	24.37
	-19.8	-20	66.5	30.57	62.7	28.96	58.9	27.48	57.0	26.07	55.1	24.77	51.3	23.50
	-18.8	-19	66.5	29.99	62.7	28.41	58.9	26.97	57.0	25.58	55.1	24.32	51.3	23.05
	-16.7	-17	66.5	28.79	62.7	27.25	58.9	25.89	57.0	24.56	55.1	23.36	51.3	22.13
	-13.7	-15	66.5	27.06	62.7	25.60	58.9	24.34	57.0	23.09	55.1	21.99	51.3	20.82
	-11.8	-13	66.5	25.96	62.7	24.55	58.9	23.36	57.0	22.16	55.1	21.13	51.3	19.98
	-9.8	-11	66.5	24.81	62.7	23.45	58.9	22.33	57.0	21.19	55.1	20.23	51.3	19.10
	-9.5	-10	66.5	24.64	62.7	23.28	58.9	22.17	57.0	21.04	55.1	20.09	51.3	18.97
	-8.5	-9.1	66.5	24.06	62.7	22.72	58.9	21.66	57.0	20.55	55.1	19.63	51.3	18.53
	-7.0	-7.6	66.5	23.21	62.7	21.90	58.9	20.88	57.0	19.82	55.1	18.95	51.3	17.87
	-5.0	-5.6	66.5	22.05	62.7	20.80	58.9	19.85	57.0	18.84	55.1	18.04	51.3	16.99
	-3.0	-3.7	66.5	20.90	62.7	19.70	58.9	18.81	57.0	17.86	55.1	17.13	51.3	16.12
	0.0	-0.7	66.5	19.18	62.7	18.04	58.9	17.26	57.0	16.40	55.1	15.76	51.3	14.80
	3.0	2.2	66.5	17.45	62.7	16.38	58.9	15.73	57.0	14.93	55.1	14.39	51.3	13.49
	5.0	4.1	66.5	16.29	62.7	15.28	58.9	14.69	57.0	13.95	55.1	13.49	51.3	12.61
	7.0	6.0	66.5	15.15	62.7	14.18	58.9	13.66	57.0	12.97	55.1	12.58	51.3	11.73
	9.0	7.9	66.5	13.67	62.7	12.81	58.9	12.33	57.0	11.71	55.1	11.36	51.3	10.59
	11.0	9.8	66.5	12.79	62.7	11.98	58.9	11.54	57.0	10.97	55.1	10.63	51.3	9.91
	13.0	11.8	66.5	12.02	62.7	11.25	58.9	10.83	57.0	10.30	55.1	9.98	51.3	9.31
15.0	13.7	66.5	11.36	62.7	10.65	58.9	10.25	57.0	9.74	55.1	9.44	51.3	8.81	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN400BTE5

Heating Capacity (40HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	74.1	41.18	74.1	41.66	73.6	42.08	73.6	42.73	73.6	43.35	72.8	44.31
	-21.8	-22	91.2	42.14	91.2	42.63	90.6	43.06	90.6	43.70	90.6	44.31	89.5	45.29
	-19.8	-20	96.7	42.79	96.7	43.28	96.1	43.70	96.1	44.35	96.1	44.96	95.0	45.93
	-18.8	-19	99.1	43.12	99.1	43.60	98.5	44.02	98.5	44.67	98.5	45.29	97.3	46.26
	-16.7	-17	103.9	43.80	103.9	44.29	103.3	44.70	103.3	45.35	103.3	45.97	102.1	46.94
	-13.7	-15	110.8	44.77	110.8	45.25	110.1	45.68	110.1	46.33	110.1	46.94	108.8	45.28
	-11.8	-13	114.5	45.39	114.5	45.87	113.8	46.29	113.8	46.94	113.8	47.53	112.8	44.22
	-9.8	-11	118.4	46.03	118.4	46.51	117.7	46.94	117.7	47.57	117.7	48.11	117.0	43.11
	-9.5	-10	119.3	46.13	119.3	46.62	118.6	46.76	118.6	47.39	118.6	48.02	117.6	42.95
	-8.5	-9.1	122.6	46.46	122.6	46.94	121.9	46.17	121.9	46.84	121.9	47.51	120.2	43.90
	-7.0	-7.6	127.6	46.94	127.6	46.09	126.7	45.28	126.7	45.95	126.7	46.62	124.0	41.57
	-5.0	-5.6	134.2	45.86	134.2	44.94	133.3	44.10	133.3	44.77	133.3	45.44	128.5	40.46
	-3.0	-3.7	140.8	44.78	140.8	43.81	139.9	42.92	139.9	41.79	139.9	40.70	133.0	39.35
	0.0	-0.7	150.7	43.16	150.7	42.10	149.6	41.15	148.5	40.03	146.3	38.94	139.9	37.69
	3.0	2.2	155.1	41.54	155.1	40.39	154.3	39.38	152.7	38.27	150.5	37.20	140.8	36.03
	5.0	4.1	157.8	40.46	157.8	39.25	157.1	38.19	155.5	37.10	151.2	36.03	140.8	34.92
	7.0	6.0	160.6	39.38	160.6	38.12	159.8	37.01	156.7	35.93	151.2	34.87	140.8	33.82
9.0	7.9	161.1	38.51	161.1	37.26	160.6	36.19	156.7	35.13	151.2	34.08	140.8	33.06	
11.0	9.8	161.1	37.97	161.1	36.75	160.6	35.68	156.7	34.64	151.2	33.61	140.8	32.60	
13.0	11.8	161.1	37.39	161.1	36.19	160.6	35.13	156.7	34.11	151.2	33.10	140.8	32.11	
15.0	13.7	161.1	36.75	161.1	35.57	160.6	34.54	156.7	33.53	151.2	32.53	140.8	31.56	
120	-24.8	-25	73.6	41.66	73.6	42.08	73.1	42.73	73.1	43.35	73.1	44.31	72.3	44.99
	-21.8	-22	90.6	42.63	90.6	43.06	90.0	43.70	90.0	44.31	90.0	45.29	89.0	45.97
	-19.8	-20	96.1	43.28	96.1	43.70	95.4	44.35	95.4	44.96	95.4	45.93	94.3	46.62
	-18.8	-19	98.3	43.60	98.3	44.02	97.7	44.67	97.7	45.29	97.7	46.26	96.6	46.94
	-16.7	-17	103.1	44.29	103.1	44.70	102.5	45.35	102.5	45.97	102.5	46.94	101.3	45.87
	-13.7	-15	110.0	45.25	110.0	45.68	109.3	46.33	109.3	46.94	109.3	47.53	108.0	44.34
	-11.8	-13	113.7	45.87	113.7	46.29	113.0	46.94	113.0	47.53	113.0	48.11	112.0	43.38
	-9.8	-11	117.5	46.51	117.5	46.94	116.8	47.57	116.8	48.11	116.8	49.29	116.1	42.36
	-9.5	-10	118.5	46.62	118.5	46.75	117.8	45.54	117.8	46.21	117.8	46.88	117.1	42.21
	-8.5	-9.1	121.8	46.94	121.8	46.10	121.0	44.92	121.0	45.59	121.0	46.26	119.7	41.69
	-7.0	-7.6	126.7	45.99	126.7	45.14	125.9	44.00	125.9	44.67	125.9	45.34	123.1	40.93
	-5.0	-5.6	133.3	44.73	133.3	43.85	132.4	42.77	132.4	41.82	132.4	40.75	127.6	39.91
	-3.0	-3.7	139.7	43.47	139.7	42.57	138.9	41.55	138.9	40.64	138.0	39.71	131.6	38.90
	0.0	-0.7	149.6	41.57	149.1	40.64	146.0	39.72	144.0	38.87	142.1	38.12	132.2	37.37
	3.0	2.2	153.9	39.67	153.2	38.71	150.2	37.87	146.9	37.10	142.3	36.53	132.2	35.84
	5.0	4.1	156.7	38.41	156.0	37.43	151.9	36.65	146.9	35.92	142.3	35.47	132.2	34.83
	7.0	6.0	159.5	37.15	158.2	36.13	151.9	35.42	146.9	34.75	142.3	34.42	132.2	33.80
9.0	7.9	159.9	36.22	158.2	35.23	151.9	34.55	146.9	33.88	142.3	33.56	132.2	32.96	
11.0	9.8	159.9	35.61	158.2	34.65	151.9	33.97	146.9	33.32	142.3	33.00	132.2	32.41	
13.0	11.8	159.9	34.96	158.2	34.00	151.9	33.34	146.9	32.70	142.3	32.39	132.2	31.82	
15.0	13.7	159.9	34.25	158.2	33.32	151.9	32.66	146.9	32.04	142.3	31.74	132.2	31.17	
110	-24.8	-25	73.2	42.08	73.2	42.73	72.8	43.35	72.8	44.31	72.8	44.99	71.9	45.32
	-21.8	-22	90.1	43.06	90.1	43.70	89.5	44.31	89.5	45.29	89.5	45.97	88.5	46.29
	-19.8	-20	95.6	43.70	95.6	44.35	94.9	44.96	94.9	45.93	94.9	46.62	93.8	46.94
	-18.8	-19	97.8	44.02	97.8	44.67	97.2	45.29	97.2	46.26	97.2	46.94	96.1	46.37
	-16.7	-17	102.6	44.70	102.6	45.35	102.0	45.97	102.0	46.94	102.0	47.77	100.8	45.16
	-13.7	-15	109.4	45.68	109.4	46.33	108.7	46.94	108.7	47.53	108.7	48.11	107.7	43.45
	-11.8	-13	113.0	46.29	113.0	46.94	112.4	47.57	112.4	48.11	112.4	48.78	111.4	42.36
	-9.8	-11	116.9	46.94	116.9	47.57	116.2	48.11	116.2	48.78	116.2	49.39	115.9	41.21
	-9.5	-10	117.8	46.72	117.8	46.33	117.2	46.94	117.2	47.53	117.2	48.11	116.9	41.04
	-8.5	-9.1	121.1	45.97	121.1	44.64	120.4	43.55	120.4	44.12	120.1	41.22	118.4	40.47
	-7.0	-7.6	126.0	44.83	126.0	43.58	125.2	42.56	125.2	43.13	123.7	40.38	119.0	39.61
	-5.0	-5.6	132.5	43.34	132.5	42.19	131.6	41.26	130.6	40.07	126.5	39.27	119.0	38.47
	-3.0	-3.7	139.0	41.84	139.0	40.79	135.2	39.96	131.9	38.90	127.4	38.16	119.0	37.32
	0.0	-0.7	146.8	39.58	143.4	38.70	136.3	38.00	131.9	37.13	127.4	36.50	119.0	35.60
	3.0	2.2	150.9	37.33	145.3	36.61	136.3	36.05	131.9	35.37	127.4	34.82	119.0	33.89
	5.0	4.1	153.7	35.83	145.3	35.21	136.3	34.74	131.9	34.20	127.4	33.71	119.0	32.74
	7.0	6.0	153.7	34.33	145.3	33.81	136.3	33.43	131.9	33.02	127.4	32.60	119.0	31.60
9.0	7.9	153.7	33.32	145.3	32.81	136.3	32.45	131.9	32.05	127.4	31.64	119.0	30.67	
11.0	9.8	153.7	32.60	145.3	32.10	136.3	31.75	131.9	31.36	127.4	30.96	119.0	30.01	
13.0	11.8	153.7	31.82	145.3	31.35	136.3	30.99	131.9	30.61	127.4	30.22	119.0	29.29	
15.0	13.7	153.7	31.00	145.3	30.53	136.3	30.19	131.9	29.82	127.4	29.44	119.0	28.53	

# 7. Capacity Tables

Heating Capacity (40HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	72.9	46.60	72.9	46.64	72.4	44.21	72.4	46.76	72.4	46.80	71.5	46.83
	-21.8	-22	89.6	46.67	89.6	46.71	89.1	45.60	89.1	46.82	89.1	47.50	88.0	46.89
	-19.8	-20	95.1	46.71	95.1	46.76	94.6	46.50	94.6	46.87	94.6	47.13	93.5	46.94
	-18.8	-19	97.4	46.73	96.8	46.78	96.8	46.82	96.8	46.89	96.8	46.94	95.6	46.23
	-16.7	-17	101.5	46.78	101.5	46.83	101.5	47.50	101.0	46.94	101.0	45.47	99.8	44.73
	-13.7	-15	108.9	46.85	108.9	46.90	108.2	46.94	108.2	44.83	108.2	43.39	107.0	42.59
	-11.8	-13	112.5	46.89	111.9	46.94	111.9	45.54	111.9	43.49	111.9	42.06	108.5	41.24
	-9.8	-11	116.2	46.94	116.2	45.37	115.7	44.05	115.7	42.08	114.7	40.66	108.7	39.82
	-9.5	-10	117.2	46.70	117.2	45.13	116.7	43.83	116.7	41.87	115.3	40.46	108.7	39.60
	-8.5	-9.1	120.4	45.87	120.4	44.35	119.9	43.09	120.7	41.17	116.7	39.75	108.7	38.89
	-7.0	-7.6	127.4	44.65	126.9	43.17	124.7	41.98	120.7	40.11	116.7	38.71	108.7	37.82
	-5.0	-5.6	133.0	43.03	131.6	41.61	124.7	40.51	120.7	38.71	116.7	37.32	108.7	36.39
	-3.0	-3.7	136.8	41.39	132.7	40.03	124.7	39.03	120.7	37.30	116.7	35.92	108.7	34.97
	0.0	-0.7	140.7	38.95	132.7	37.68	124.7	36.81	120.7	35.19	116.7	33.83	108.7	32.83
	3.0	2.2	140.7	36.50	132.7	35.33	124.7	34.59	120.7	33.07	116.7	31.75	108.7	30.70
	5.0	4.1	140.7	34.86	132.7	33.76	124.7	33.11	120.7	31.67	116.7	30.35	108.7	29.27
	7.0	6.0	140.7	33.23	132.7	32.19	124.7	31.63	120.7	30.26	116.7	28.96	108.7	27.84
	9.0	7.9	140.7	32.05	132.7	31.04	124.7	30.51	120.7	29.18	116.7	27.92	108.7	26.86
	11.0	9.8	140.7	31.14	132.7	30.17	124.7	29.64	120.7	28.36	116.7	27.13	108.7	26.09
	13.0	11.8	140.7	30.17	132.7	29.23	124.7	28.71	120.7	27.47	116.7	26.29	108.7	25.28
15.0	13.7	140.7	29.14	132.7	28.22	124.7	27.73	120.7	26.53	116.7	25.38	108.7	24.41	
90	-24.8	-25	72.6	41.44	72.6	42.41	72.1	43.10	72.1	43.42	72.1	44.07	71.3	45.03
	-21.8	-22	89.3	42.41	89.3	43.39	88.8	44.07	88.8	44.38	88.8	45.03	87.7	43.18
	-19.8	-20	94.8	43.06	94.8	44.03	94.1	44.71	94.1	45.03	94.1	45.78	93.0	41.94
	-18.8	-19	97.4	43.39	96.8	44.36	96.4	45.03	96.4	44.38	96.4	43.14	95.3	41.32
	-16.7	-17	101.5	44.07	101.5	45.03	101.1	43.70	101.1	43.02	101.1	41.81	98.4	40.01
	-13.7	-15	108.9	45.03	108.9	43.06	107.9	41.80	107.9	41.08	105.9	39.92	99.4	38.15
	-11.8	-13	112.5	43.69	111.9	41.81	111.4	40.59	109.4	39.85	107.0	38.72	99.4	36.97
	-9.8	-11	116.2	42.27	116.2	40.50	113.0	39.32	110.6	38.56	107.0	37.46	99.4	35.74
	-9.5	-10	117.2	42.06	117.2	40.30	113.6	39.13	110.6	38.36	107.0	37.27	99.4	35.55
	-8.5	-9.1	120.4	41.35	119.6	39.64	114.1	38.50	110.6	37.71	107.0	36.64	99.4	34.93
	-7.0	-7.6	127.4	40.29	121.2	38.65	114.1	37.54	110.6	36.74	107.0	35.69	99.4	34.00
	-5.0	-5.6	128.8	38.87	121.2	37.33	114.1	36.27	110.6	35.45	107.0	34.43	99.4	32.76
	-3.0	-3.7	128.8	37.46	121.2	36.02	114.1	35.00	110.6	34.15	107.0	33.16	99.4	31.52
	0.0	-0.7	128.8	35.33	121.2	34.04	114.1	33.09	110.6	32.21	107.0	31.27	99.4	29.65
	3.0	2.2	128.8	33.20	121.2	32.07	114.1	31.19	110.6	30.26	107.0	29.38	99.4	27.80
	5.0	4.1	128.8	31.79	121.2	30.75	114.1	29.92	110.6	28.96	107.0	28.11	99.4	26.56
	7.0	6.0	128.8	30.37	121.2	29.43	114.1	28.65	110.6	27.67	107.0	26.84	99.4	25.32
	9.0	7.9	128.8	29.03	121.2	28.13	114.1	27.37	110.6	26.44	107.0	25.65	99.4	24.19
	11.0	9.8	128.8	27.67	121.2	26.82	114.1	26.11	110.6	25.21	107.0	24.47	99.4	23.07
	13.0	11.8	128.8	26.33	121.2	25.52	114.1	24.83	110.6	23.98	107.0	23.28	99.4	21.94
15.0	13.7	128.8	24.99	121.2	24.22	114.1	23.56	110.6	22.76	107.0	22.08	99.4	20.82	
80	-24.8	-25	72.3	36.34	72.3	37.31	71.8	38.00	71.8	38.31	71.8	39.93	71.0	38.30
	-21.8	-22	88.3	37.31	88.3	38.29	88.3	38.96	88.3	39.93	88.3	38.30	87.0	36.72
	-19.8	-20	93.8	37.96	93.8	38.94	93.8	39.93	93.8	38.78	93.1	37.21	88.8	35.67
	-18.8	-19	96.0	38.29	96.0	39.93	96.0	39.36	96.0	38.21	94.0	36.67	88.8	35.14
	-16.7	-17	100.0	39.93	100.0	38.73	100.0	38.14	98.2	37.00	95.5	35.52	88.8	34.03
	-13.7	-15	106.7	38.16	104.6	37.00	102.1	36.39	99.0	35.28	95.5	33.89	88.8	32.46
	-11.8	-13	109.3	37.02	106.1	35.92	102.1	35.29	99.0	34.18	95.5	32.85	88.8	31.46
	-9.8	-11	111.8	35.84	107.4	34.76	102.1	34.13	99.0	33.03	95.5	31.76	88.8	30.41
	-9.5	-10	112.6	35.67	108.1	34.59	102.1	33.96	99.0	32.86	95.5	31.59	88.8	30.25
	-8.5	-9.1	113.9	35.07	108.7	34.02	102.1	33.37	99.0	32.28	95.5	31.05	88.8	29.72
	-7.0	-7.6	115.3	34.18	108.7	33.16	102.1	32.51	99.0	31.42	95.5	30.22	88.8	28.94
	-5.0	-5.6	115.3	32.99	108.7	32.00	102.1	31.34	99.0	30.27	95.5	29.14	88.8	27.88
	-3.0	-3.7	115.3	31.81	108.7	30.86	102.1	30.18	99.0	29.11	95.5	28.05	88.8	26.84
	0.0	-0.7	115.3	30.02	108.7	29.13	102.1	28.44	99.0	27.39	95.5	26.42	88.8	25.25
	3.0	2.2	115.3	28.24	108.7	27.42	102.1	26.70	99.0	25.67	95.5	24.77	88.8	23.68
	5.0	4.1	115.3	27.05	108.7	26.26	102.1	25.54	99.0	24.51	95.5	23.68	88.8	22.62
	7.0	6.0	115.3	25.87	108.7	25.12	102.1	24.38	99.0	23.36	95.5	22.60	88.8	21.58
	9.0	7.9	115.3	24.29	108.7	23.58	102.1	22.89	99.0	21.93	95.5	21.22	88.8	20.25
	11.0	9.8	115.3	22.55	108.7	21.89	102.1	21.24	99.0	20.36	95.5	19.69	88.8	18.80
	13.0	11.8	115.3	21.04	108.7	20.43	102.1	19.83	99.0	19.00	95.5	18.38	88.8	17.55
15.0	13.7	115.3	19.81	108.7	19.23	102.1	18.66	99.0	17.89	95.5	17.30	88.8	16.52	

# 7. Capacity Tables

Heating Capacity (40HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	72.3	36.87	72.3	37.19	71.8	37.84	71.8	38.81	71.8	37.03	71.0	35.37
	-21.8	-22	86.2	37.84	86.5	38.16	85.9	38.81	83.9	37.03	81.4	35.37	76.0	33.74
	-19.8	-20	93.5	38.48	91.2	38.81	86.9	37.57	83.9	35.85	81.4	34.25	76.0	32.66
	-18.8	-19	95.4	38.81	92.1	38.17	86.9	36.94	83.9	35.25	81.4	33.70	76.0	32.12
	-16.7	-17	97.5	37.48	92.3	36.82	86.9	35.64	83.9	34.01	81.4	32.52	76.0	30.99
	-13.7	-15	97.8	35.59	92.3	34.90	86.9	33.78	83.9	32.22	81.4	30.85	76.0	29.37
	-11.8	-13	97.8	34.39	92.3	33.68	86.9	32.59	83.9	31.10	81.4	29.80	76.0	28.34
	-9.8	-11	97.8	33.13	92.3	32.39	86.9	31.34	83.9	29.92	81.4	28.69	76.0	27.26
	-9.5	-10	97.8	32.94	92.3	32.20	86.9	31.16	83.9	29.73	81.4	28.52	76.0	27.10
	-8.5	-9.1	97.8	32.31	92.3	31.56	86.9	30.54	83.9	29.15	81.4	27.96	76.0	26.56
	-7.0	-7.6	97.8	31.36	92.3	30.60	86.9	29.60	83.9	28.25	81.4	27.14	76.0	25.75
	-5.0	-5.6	97.8	30.09	92.3	29.31	86.9	28.36	83.9	27.06	81.4	26.02	76.0	24.67
	-3.0	-3.7	97.8	28.83	92.3	28.04	86.9	27.12	83.9	25.88	81.4	24.91	76.0	23.59
	0.0	-0.7	97.8	26.95	92.3	26.11	86.9	25.25	83.9	24.10	81.4	23.24	76.0	21.97
	3.0	2.2	97.8	25.05	92.3	24.18	86.9	23.38	83.9	22.32	81.4	21.57	76.0	20.35
	5.0	4.1	97.8	23.79	92.3	22.90	86.9	22.14	83.9	21.13	81.4	20.46	76.0	19.27
	7.0	6.0	97.8	22.53	92.3	21.62	86.9	20.90	83.9	19.95	81.4	19.35	76.0	18.19
	9.0	7.9	97.8	20.34	92.3	19.52	86.9	18.87	83.9	18.02	81.4	17.47	76.0	16.43
	11.0	9.8	97.8	18.94	92.3	18.18	86.9	17.57	83.9	16.77	81.4	16.27	76.0	15.30
	13.0	11.8	97.8	17.72	92.3	17.01	86.9	16.43	83.9	15.70	81.4	15.22	76.0	14.31
15.0	13.7	97.8	16.71	92.3	16.04	86.9	15.49	83.9	14.80	81.4	14.34	76.0	13.49	
60	-24.8	-25	72.3	36.22	72.3	36.87	71.8	37.84	70.7	35.95	69.2	34.18	65.1	32.50
	-21.8	-22	79.2	37.19	79.4	37.84	74.5	35.95	72.0	34.18	69.5	32.50	65.1	30.88
	-19.8	-20	83.9	37.84	79.4	36.51	74.5	34.70	72.0	33.00	69.5	31.39	65.1	29.80
	-18.8	-19	83.9	37.17	79.4	35.85	74.5	34.06	72.0	32.40	69.5	30.83	65.1	29.26
	-16.7	-17	83.9	35.77	79.4	34.45	74.5	32.74	72.0	31.16	69.5	29.66	65.1	28.13
	-13.7	-15	83.9	33.78	79.4	32.46	74.5	30.86	72.0	29.38	69.5	27.99	65.1	26.50
	-11.8	-13	83.9	32.51	79.4	31.20	74.5	29.67	72.0	28.26	69.5	26.93	65.1	25.47
	-9.8	-11	83.9	31.17	79.4	29.87	74.5	28.40	72.0	27.08	69.5	25.81	65.1	24.39
	-9.5	-10	83.9	30.97	79.4	29.67	74.5	28.22	72.0	26.90	69.5	25.64	65.1	24.23
	-8.5	-9.1	83.9	30.30	79.4	29.01	74.5	27.59	72.0	26.32	69.5	25.09	65.1	23.68
	-7.0	-7.6	83.9	29.31	79.4	28.01	74.5	26.64	72.0	25.43	69.5	24.26	65.1	22.88
	-5.0	-5.6	83.9	27.98	79.4	26.69	74.5	25.39	72.0	24.25	69.5	23.14	65.1	21.80
	-3.0	-3.7	83.9	26.64	79.4	25.36	74.5	24.14	72.0	23.06	69.5	22.02	65.1	20.71
	0.0	-0.7	83.9	24.64	79.4	23.36	74.5	22.24	72.0	21.29	69.5	20.35	65.1	19.09
	3.0	2.2	83.9	22.65	79.4	21.37	74.5	20.36	72.0	19.52	69.5	18.69	65.1	17.47
	5.0	4.1	83.9	21.31	79.4	20.04	74.5	19.11	72.0	18.34	69.5	17.57	65.1	16.38
	7.0	6.0	83.9	19.98	79.4	18.71	74.5	17.84	72.0	17.14	69.5	16.45	65.1	15.30
	9.0	7.9	83.9	17.82	79.4	16.70	74.5	15.93	72.0	15.30	69.5	14.68	65.1	13.65
	11.0	9.8	83.9	16.64	79.4	15.59	74.5	14.86	72.0	14.29	69.5	13.71	65.1	12.74
	13.0	11.8	83.9	15.59	79.4	14.60	74.5	13.92	72.0	13.39	69.5	12.84	65.1	11.94
15.0	13.7	83.9	14.73	79.4	13.81	74.5	13.16	72.0	12.64	69.5	12.14	65.1	11.28	
50	-24.8	-25	70.0	32.18	66.0	33.16	62.1	31.45	60.1	29.85	58.1	28.34	54.1	26.93
	-21.8	-22	70.0	33.16	66.0	31.45	62.1	29.85	60.1	28.34	58.1	26.93	54.1	25.56
	-19.8	-20	70.0	31.97	66.0	30.31	62.1	28.79	60.1	27.33	58.1	25.99	54.1	24.66
	-18.8	-19	70.0	31.38	66.0	29.74	62.1	28.25	60.1	26.82	58.1	25.52	54.1	24.21
	-16.7	-17	70.0	30.14	66.0	28.55	62.1	27.14	60.1	25.77	58.1	24.53	54.1	23.25
	-13.7	-15	70.0	28.36	66.0	26.85	62.1	25.54	60.1	24.25	58.1	23.11	54.1	21.89
	-11.8	-13	70.0	27.24	66.0	25.77	62.1	24.54	60.1	23.29	58.1	22.22	54.1	21.03
	-9.8	-11	70.0	26.05	66.0	24.64	62.1	23.47	60.1	22.29	58.1	21.29	54.1	20.11
	-9.5	-10	70.0	25.88	66.0	24.47	62.1	23.31	60.1	22.13	58.1	21.15	54.1	19.98
	-8.5	-9.1	70.0	25.28	66.0	23.89	62.1	22.78	60.1	21.63	58.1	20.68	54.1	19.52
	-7.0	-7.6	70.0	24.40	66.0	23.04	62.1	21.98	60.1	20.87	58.1	19.97	54.1	18.84
	-5.0	-5.6	70.0	23.22	66.0	21.91	62.1	20.92	60.1	19.87	58.1	19.03	54.1	17.93
	-3.0	-3.7	70.0	22.03	66.0	20.77	62.1	19.85	60.1	18.85	58.1	18.08	54.1	17.03
	0.0	-0.7	70.0	20.26	66.0	19.07	62.1	18.25	60.1	17.34	58.1	16.67	54.1	15.66
	3.0	2.2	70.0	18.48	66.0	17.36	62.1	16.67	60.1	15.83	58.1	15.26	54.1	14.30
	5.0	4.1	70.0	17.30	66.0	16.23	62.1	15.60	60.1	14.81	58.1	14.33	54.1	13.39
	7.0	6.0	70.0	16.12	66.0	15.09	62.1	14.54	60.1	13.81	58.1	13.38	54.1	12.48
	9.0	7.9	70.0	14.55	66.0	13.63	62.1	13.13	60.1	12.47	58.1	12.09	54.1	11.27
	11.0	9.8	70.0	13.62	66.0	12.75	62.1	12.28	60.1	11.67	58.1	11.31	54.1	10.55
	13.0	11.8	70.0	12.79	66.0	11.98	62.1	11.53	60.1	10.96	58.1	10.62	54.1	9.91
15.0	13.7	70.0	12.09	66.0	11.33	62.1	10.91	60.1	10.36	58.1	10.05	54.1	9.37	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN420BTE5

Heating Capacity (42HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	82.7	45.36	82.7	45.71	82.1	45.99	82.1	46.44	82.1	46.88	80.6	47.55
	-21.8	-22	100.2	46.04	100.2	46.38	99.5	46.67	99.5	47.12	99.5	47.55	97.6	48.23
	-19.8	-20	105.5	46.49	105.5	46.83	104.8	47.12	104.8	47.58	104.8	48.00	102.8	48.67
	-18.8	-19	107.8	46.72	107.8	47.05	107.1	47.35	107.1	47.80	107.1	48.23	105.0	48.90
	-16.7	-17	112.5	47.19	112.5	47.53	111.7	47.82	111.7	48.27	111.7	48.70	109.6	49.37
	-13.7	-15	119.2	47.86	119.2	48.20	118.4	48.50	118.4	48.95	118.4	49.37	116.2	47.48
	-11.8	-13	123.0	48.30	123.0	48.64	122.3	48.92	122.3	49.37	122.3	48.10	120.3	46.27
	-9.8	-11	127.1	48.75	127.1	49.08	126.4	49.37	126.4	48.01	126.4	46.75	124.7	45.01
	-9.5	-10	127.8	48.81	127.8	49.15	127.1	49.17	127.1	47.80	126.9	46.55	125.4	44.83
	-8.5	-9.1	130.3	49.04	130.3	49.37	129.6	48.46	129.6	47.13	129.0	45.88	127.5	44.19
	-7.0	-7.6	134.0	49.37	134.0	48.35	133.2	47.42	133.2	46.10	133.2	44.87	130.8	43.24
	-5.0	-5.6	139.0	48.04	139.0	46.98	138.1	46.02	138.1	44.73	138.1	43.53	135.1	41.98
	-3.0	-3.7	143.9	46.71	143.9	45.61	143.0	44.63	143.0	43.37	143.0	42.18	139.5	40.72
	0.0	-0.7	151.3	44.72	151.3	43.56	150.3	42.53	150.3	41.32	150.3	40.16	146.1	38.81
	3.0	2.2	158.8	42.72	158.8	41.50	157.7	40.44	157.7	39.28	157.7	38.15	147.9	36.92
	5.0	4.1	163.6	41.39	163.6	40.14	162.7	39.04	162.7	37.91	158.9	36.80	147.9	35.66
	7.0	6.0	168.6	40.06	168.6	38.77	167.5	37.64	164.6	36.55	158.9	35.46	147.9	34.39
	9.0	7.9	169.3	38.96	169.3	37.70	168.8	36.61	164.6	35.54	158.9	34.48	147.9	33.45
	11.0	9.8	169.3	38.20	169.3	36.97	168.8	35.89	164.6	34.85	158.9	33.80	147.9	32.79
	13.0	11.8	169.3	37.38	169.3	36.17	168.8	35.12	164.6	34.10	158.9	33.09	147.9	32.09
15.0	13.7	169.3	36.50	169.3	35.32	168.8	34.29	164.6	33.29	158.9	32.30	147.9	31.33	
120	-24.8	-25	82.1	45.71	82.1	45.99	81.6	46.44	81.6	46.88	81.6	47.55	80.1	48.02
	-21.8	-22	99.5	46.38	99.5	46.67	98.8	47.12	98.8	47.55	98.8	48.23	97.0	48.70
	-19.8	-20	104.7	46.83	104.7	47.12	104.0	47.58	104.0	48.00	104.0	48.67	102.1	49.15
	-18.8	-19	106.9	47.05	106.9	47.35	106.2	47.80	106.2	48.23	106.2	48.90	104.3	49.37
	-16.7	-17	111.6	47.53	111.6	47.82	110.9	48.27	110.9	48.70	110.9	49.37	108.8	48.16
	-13.7	-15	118.3	48.20	118.3	48.50	117.6	48.95	117.6	49.37	117.6	47.55	115.3	46.41
	-11.8	-13	122.2	48.64	122.2	48.92	121.4	49.37	121.4	48.08	121.4	46.40	119.5	45.31
	-9.8	-11	126.2	49.08	126.2	49.37	125.5	47.95	125.5	46.74	125.5	45.19	123.8	44.15
	-9.5	-10	126.9	49.15	126.9	49.15	126.2	47.75	126.2	46.53	126.2	45.01	124.5	43.97
	-8.5	-9.1	129.4	49.37	129.4	48.40	128.6	47.03	128.6	45.85	128.4	44.40	126.6	43.39
	-7.0	-7.6	133.1	48.26	133.1	47.27	132.2	45.97	132.2	44.84	131.8	43.49	129.9	42.52
	-5.0	-5.6	138.0	46.76	138.0	45.77	137.2	44.55	137.2	43.48	137.2	42.28	134.2	41.36
	-3.0	-3.7	142.9	45.26	142.9	44.27	142.0	43.13	142.0	42.12	142.0	41.07	138.1	40.20
	0.0	-0.7	150.3	43.02	150.3	42.01	149.3	41.00	149.3	40.09	149.3	39.25	138.9	38.45
	3.0	2.2	157.6	40.77	157.6	39.76	156.6	38.87	154.3	38.05	149.5	37.43	138.9	36.71
	5.0	4.1	162.5	39.28	162.5	38.26	159.6	37.45	154.3	36.69	149.5	36.22	138.9	35.55
	7.0	6.0	167.4	37.78	166.2	36.75	159.6	36.03	154.3	35.35	149.5	35.00	138.9	34.38
	9.0	7.9	168.0	36.65	166.2	35.65	159.6	34.96	154.3	34.29	149.5	33.96	138.9	33.36
	11.0	9.8	168.0	35.84	166.2	34.88	159.6	34.19	154.3	33.54	149.5	33.21	138.9	32.62
	13.0	11.8	168.0	34.98	166.2	34.02	159.6	33.36	154.3	32.72	149.5	32.41	138.9	31.84
15.0	13.7	168.0	34.05	166.2	33.13	159.6	32.48	154.3	31.86	149.5	31.55	138.9	30.99	
110	-24.8	-25	81.7	45.99	81.7	46.44	81.2	46.88	81.2	47.55	81.2	48.02	79.6	48.25
	-21.8	-22	99.0	46.67	99.0	47.12	98.3	47.55	98.3	48.23	98.3	48.70	96.5	48.92
	-19.8	-20	104.2	47.12	104.2	47.58	103.5	48.00	103.5	48.67	103.5	49.15	101.5	49.37
	-18.8	-19	106.4	47.35	106.4	47.80	105.7	48.23	105.7	48.90	105.7	49.37	103.7	48.74
	-16.7	-17	111.0	47.82	111.0	48.27	110.3	48.70	110.3	49.37	110.3	48.06	108.2	47.38
	-13.7	-15	117.6	48.50	117.6	48.95	116.9	49.37	116.9	47.38	116.9	46.17	116.9	45.46
	-11.8	-13	121.5	48.92	121.5	49.37	120.7	47.97	120.7	46.11	120.7	44.98	120.7	44.23
	-9.8	-11	125.5	49.37	125.5	47.78	124.8	46.48	124.8	44.78	124.8	43.72	123.8	42.94
	-9.5	-10	126.2	49.12	126.2	47.54	125.5	46.26	125.5	44.58	125.5	43.53	125.0	42.75
	-8.5	-9.1	128.7	48.26	128.7	46.75	128.0	45.51	128.0	43.91	128.0	42.91	125.0	42.11
	-7.0	-7.6	132.4	46.96	132.4	45.55	131.5	44.40	131.5	42.92	131.5	41.96	125.0	41.14
	-5.0	-5.6	137.2	45.24	137.2	43.96	136.3	42.92	136.3	41.58	133.8	40.70	125.0	39.86
	-3.0	-3.7	142.1	43.53	142.1	42.36	141.3	41.43	138.6	40.25	133.8	39.44	125.0	38.57
	0.0	-0.7	149.4	40.94	149.4	39.97	143.2	39.20	138.6	38.25	133.8	37.56	125.0	36.63
	3.0	2.2	156.7	38.35	152.7	37.58	143.2	36.98	138.6	36.25	133.8	35.67	125.0	34.71
	5.0	4.1	161.5	36.64	152.7	35.98	143.2	35.49	138.6	34.92	133.8	34.42	125.0	33.42
	7.0	6.0	161.5	34.92	152.7	34.39	143.2	34.00	138.6	33.59	133.8	33.16	125.0	32.14
	9.0	7.9	161.5	33.72	152.7	33.21	143.2	32.85	138.6	32.44	133.8	32.03	125.0	31.04
	11.0	9.8	161.5	32.82	152.7	32.32	143.2	31.96	138.6	31.57	133.8	31.17	125.0	30.21
	13.0	11.8	161.5	31.85	152.7	31.38	143.2	31.02	138.6	30.65	133.8	30.25	125.0	29.32
15.0	13.7	161.5	30.83	152.7	30.36	143.2	30.02	138.6	29.66	133.8	29.28	125.0	28.38	

# 7. Capacity Tables

Heating Capacity (42HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	81.3	49.72	81.3	49.67	80.8	46.86	80.8	49.57	80.8	49.51	79.2	49.50
	-21.8	-22	98.5	49.65	98.5	49.61	97.9	48.34	97.9	49.49	97.9	49.96	96.0	49.42
	-19.8	-20	103.7	49.61	103.7	49.56	103.1	49.27	103.1	49.45	103.1	49.58	101.2	49.37
	-18.8	-19	105.9	49.58	105.3	49.54	105.3	49.49	105.3	49.43	105.3	49.37	103.2	48.59
	-16.7	-17	109.8	49.53	109.8	49.49	109.8	49.96	109.3	49.37	109.3	47.75	107.2	46.94
	-13.7	-15	117.1	49.47	117.1	49.42	116.4	49.37	116.4	47.02	116.4	45.44	114.2	44.59
	-11.8	-13	120.9	49.42	120.2	49.37	120.2	47.80	120.2	45.53	120.2	43.97	114.2	43.09
	-9.8	-11	124.8	49.37	124.8	47.61	124.3	46.13	124.3	43.96	122.6	42.42	114.2	41.52
	-9.5	-10	125.5	49.10	125.5	47.34	125.0	45.88	125.0	43.73	122.6	42.19	114.2	41.28
	-8.5	-9.1	128.0	48.17	128.0	46.46	127.4	45.05	126.8	42.94	122.6	41.41	114.2	40.50
	-7.0	-7.6	133.8	46.78	133.3	45.13	131.0	43.80	126.8	41.76	122.6	40.26	114.2	39.32
	-5.0	-5.6	139.7	44.93	138.3	43.36	131.0	42.15	126.8	40.20	122.6	38.72	114.2	37.75
	-3.0	-3.7	143.7	43.07	139.4	41.58	131.0	40.49	126.8	38.62	122.6	37.17	114.2	36.18
	0.0	-0.7	147.8	40.29	139.4	38.93	131.0	37.99	126.8	36.27	122.6	34.85	114.2	33.82
	3.0	2.2	147.8	37.51	139.4	36.28	131.0	35.50	126.8	33.91	122.6	32.54	114.2	31.47
	5.0	4.1	147.8	35.65	139.4	34.51	131.0	33.83	126.8	32.35	122.6	30.99	114.2	29.89
	7.0	6.0	147.8	33.80	139.4	32.74	131.0	32.17	126.8	30.77	122.6	29.45	114.2	28.32
	9.0	7.9	147.8	32.34	139.4	31.32	131.0	30.78	126.8	29.44	122.6	28.17	114.2	27.09
	11.0	9.8	147.8	31.14	139.4	30.17	131.0	29.64	126.8	28.36	122.6	27.13	114.2	26.09
	13.0	11.8	147.8	29.87	139.4	28.94	131.0	28.43	126.8	27.20	122.6	26.02	114.2	25.03
15.0	13.7	147.8	28.53	139.4	27.63	131.0	27.16	126.8	25.97	122.6	24.85	114.2	23.90	
90	-24.8	-25	81.0	44.87	81.0	45.54	80.5	46.02	80.5	46.24	80.5	46.70	79.0	47.37
	-21.8	-22	98.1	45.54	98.1	46.23	97.5	46.70	97.5	46.92	97.5	47.37	95.6	45.34
	-19.8	-20	103.3	46.00	103.3	46.67	102.6	47.15	102.6	47.37	102.6	45.98	100.7	43.97
	-18.8	-19	105.9	46.23	105.3	46.90	104.8	47.37	104.8	46.65	104.8	45.28	102.8	43.29
	-16.7	-17	109.8	46.70	109.8	47.37	109.4	45.89	109.4	45.14	109.4	43.82	104.4	41.86
	-13.7	-15	117.1	47.37	117.1	45.17	116.0	43.77	116.0	42.99	112.5	41.73	104.4	39.82
	-11.8	-13	120.9	45.85	120.2	43.76	119.7	42.43	116.2	41.63	112.5	40.40	104.4	38.53
	-9.8	-11	124.8	44.27	124.8	42.30	119.9	41.01	116.2	40.20	112.5	39.01	104.4	37.18
	-9.5	-10	125.5	44.03	125.5	42.08	119.9	40.80	116.2	39.98	112.5	38.81	104.4	36.97
	-8.5	-9.1	128.0	43.23	127.1	41.34	119.9	40.09	116.2	39.26	112.5	38.11	104.4	36.29
	-7.0	-7.6	133.8	42.04	127.3	40.24	119.9	39.03	116.2	38.18	112.5	37.06	104.4	35.27
	-5.0	-5.6	135.3	40.44	127.3	38.76	119.9	37.61	116.2	36.76	112.5	35.67	104.4	33.91
	-3.0	-3.7	135.3	38.86	127.3	37.30	119.9	36.20	116.2	35.32	112.5	34.27	104.4	32.55
	0.0	-0.7	135.3	36.46	127.3	35.09	119.9	34.08	116.2	33.17	112.5	32.18	104.4	30.50
	3.0	2.2	135.3	34.07	127.3	32.88	119.9	31.97	116.2	31.01	112.5	30.10	104.4	28.47
	5.0	4.1	135.3	32.49	127.3	31.41	119.9	30.55	116.2	29.57	112.5	28.70	104.4	27.11
	7.0	6.0	135.3	30.89	127.3	29.93	119.9	29.14	116.2	28.14	112.5	27.30	104.4	25.75
	9.0	7.9	135.3	29.39	127.3	28.49	119.9	27.72	116.2	26.78	112.5	25.98	104.4	24.50
	11.0	9.8	135.3	27.89	127.3	27.03	119.9	26.31	116.2	25.41	112.5	24.66	104.4	23.25
	13.0	11.8	135.3	26.39	127.3	25.58	119.9	24.89	116.2	24.04	112.5	23.33	104.4	22.00
15.0	13.7	135.3	24.90	127.3	24.13	119.9	23.48	116.2	22.68	112.5	22.00	104.4	20.75	
80	-24.8	-25	80.6	39.50	80.6	40.18	80.1	40.66	80.1	40.88	80.1	42.00	78.6	40.21
	-21.8	-22	97.1	40.18	97.1	40.86	97.1	41.33	97.1	42.00	97.1	40.21	93.3	38.49
	-19.8	-20	102.2	40.63	102.2	41.31	102.2	42.00	102.2	40.74	100.3	39.02	93.3	37.34
	-18.8	-19	104.4	40.86	104.4	42.00	104.4	41.37	103.9	40.11	100.3	38.42	93.3	36.76
	-16.7	-17	107.2	42.00	107.2	40.66	107.2	40.02	104.0	38.77	100.3	37.16	93.3	35.55
	-13.7	-15	112.1	40.02	109.9	38.75	107.2	38.08	104.0	36.88	100.3	35.37	93.3	33.83
	-11.8	-13	115.2	38.76	111.8	37.54	107.2	36.87	104.0	35.67	100.3	34.23	93.3	32.74
	-9.8	-11	118.2	37.43	113.2	36.26	107.2	35.58	104.0	34.40	100.3	33.03	93.3	31.59
	-9.5	-10	119.0	37.24	113.9	36.07	107.2	35.39	104.0	34.22	100.3	32.85	93.3	31.42
	-8.5	-9.1	120.1	36.57	114.2	35.44	107.2	34.75	104.0	33.58	100.3	32.25	93.3	30.84
	-7.0	-7.6	121.1	35.58	114.2	34.48	107.2	33.79	104.0	32.63	100.3	31.35	93.3	29.99
	-5.0	-5.6	121.1	34.26	114.2	33.20	107.2	32.49	104.0	31.37	100.3	30.16	93.3	28.83
	-3.0	-3.7	121.1	32.93	114.2	31.93	107.2	31.21	104.0	30.09	100.3	28.96	93.3	27.69
	0.0	-0.7	121.1	30.94	114.2	30.01	107.2	29.29	104.0	28.19	100.3	27.17	93.3	25.96
	3.0	2.2	121.1	28.96	114.2	28.10	107.2	27.36	104.0	26.30	100.3	25.37	93.3	24.24
	5.0	4.1	121.1	27.63	114.2	26.82	107.2	26.08	104.0	25.02	100.3	24.18	93.3	23.09
	7.0	6.0	121.1	26.31	114.2	25.55	107.2	24.79	104.0	23.76	100.3	22.98	93.3	21.94
	9.0	7.9	121.1	24.71	114.2	23.99	107.2	23.28	104.0	22.31	100.3	21.58	93.3	20.60
	11.0	9.8	121.1	22.93	114.2	22.26	107.2	21.60	104.0	20.71	100.3	20.02	93.3	19.12
	13.0	11.8	121.1	21.40	114.2	20.78	107.2	20.17	104.0	19.33	100.3	18.69	93.3	17.85
15.0	13.7	121.1	20.15	114.2	19.56	107.2	18.98	104.0	18.19	100.3	17.60	93.3	16.81	

# 7. Capacity Tables

Heating Capacity (42HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	80.6	39.67	80.6	39.89	80.1	40.34	80.1	41.03	80.1	39.06	77.7	37.24
	-21.8	-22	91.9	40.34	91.9	40.58	91.3	41.03	88.2	39.06	85.5	37.24	79.8	35.47
	-19.8	-20	99.3	40.80	97.0	41.03	91.3	39.65	88.2	37.77	85.5	36.02	79.8	34.29
	-18.8	-19	101.5	41.03	97.0	40.31	91.3	38.96	88.2	37.11	85.5	35.41	79.8	33.71
	-16.7	-17	102.8	39.55	97.0	38.82	91.3	37.53	88.2	35.75	85.5	34.13	79.8	32.47
	-13.7	-15	102.8	37.45	97.0	36.69	91.3	35.47	88.2	33.78	85.5	32.30	79.8	30.70
	-11.8	-13	102.8	36.10	97.0	35.34	91.3	34.16	88.2	32.54	85.5	31.14	79.8	29.58
	-9.8	-11	102.8	34.70	97.0	33.92	91.3	32.78	88.2	31.25	85.5	29.92	79.8	28.40
	-9.5	-10	102.8	34.50	97.0	33.71	91.3	32.58	88.2	31.05	85.5	29.73	79.8	28.22
	-8.5	-9.1	102.8	33.80	97.0	33.00	91.3	31.90	88.2	30.40	85.5	29.12	79.8	27.63
	-7.0	-7.6	102.8	32.74	97.0	31.94	91.3	30.86	88.2	29.42	85.5	28.22	79.8	26.75
	-5.0	-5.6	102.8	31.33	97.0	30.51	91.3	29.49	88.2	28.11	85.5	27.00	79.8	25.57
	-3.0	-3.7	102.8	29.93	97.0	29.09	91.3	28.12	88.2	26.81	85.5	25.78	79.8	24.40
	0.0	-0.7	102.8	27.83	97.0	26.96	91.3	26.05	88.2	24.85	85.5	23.95	79.8	22.62
	3.0	2.2	102.8	25.72	97.0	24.83	91.3	23.99	88.2	22.90	85.5	22.12	79.8	20.86
	5.0	4.1	102.8	24.32	97.0	23.41	91.3	22.63	88.2	21.59	85.5	20.90	79.8	19.68
	7.0	6.0	102.8	22.91	97.0	21.99	91.3	21.25	88.2	20.29	85.5	19.68	79.8	18.50
	9.0	7.9	102.8	20.69	97.0	19.86	91.3	19.19	88.2	18.32	85.5	17.77	79.8	16.71
	11.0	9.8	102.8	19.26	97.0	18.49	91.3	17.87	88.2	17.06	85.5	16.55	79.8	15.56
	13.0	11.8	102.8	18.03	97.0	17.30	91.3	16.71	88.2	15.97	85.5	15.48	79.8	14.55
15.0	13.7	102.8	16.99	97.0	16.31	91.3	15.76	88.2	15.05	85.5	14.59	79.8	13.72	
60	-24.8	-25	78.4	39.22	78.4	39.67	77.9	40.34	75.6	38.25	73.0	36.29	68.4	34.44
	-21.8	-22	84.2	39.89	83.4	40.34	78.3	38.25	75.6	36.29	73.0	34.44	68.4	32.67
	-19.8	-20	88.2	40.34	83.4	38.87	78.3	36.86	75.6	34.98	73.0	33.21	68.4	31.47
	-18.8	-19	88.2	39.60	83.4	38.13	78.3	36.15	75.6	34.32	73.0	32.60	68.4	30.88
	-16.7	-17	88.2	38.03	83.4	36.57	78.3	34.69	75.6	32.95	73.0	31.31	68.4	29.64
	-13.7	-15	88.2	35.79	83.4	34.36	78.3	32.60	75.6	30.98	73.0	29.46	68.4	27.85
	-11.8	-13	88.2	34.37	83.4	32.95	78.3	31.28	75.6	29.74	73.0	28.29	68.4	26.72
	-9.8	-11	88.2	32.87	83.4	31.47	78.3	29.87	75.6	28.44	73.0	27.06	68.4	25.53
	-9.5	-10	88.2	32.65	83.4	31.25	78.3	29.67	75.6	28.24	73.0	26.88	68.4	25.36
	-8.5	-9.1	88.2	31.90	83.4	30.50	78.3	28.97	75.6	27.59	73.0	26.26	68.4	24.76
	-7.0	-7.6	88.2	30.79	83.4	29.40	78.3	27.92	75.6	26.61	73.0	25.35	68.4	23.87
	-5.0	-5.6	88.2	29.29	83.4	27.92	78.3	26.53	75.6	25.30	73.0	24.11	68.4	22.69
	-3.0	-3.7	88.2	27.79	83.4	26.44	78.3	25.13	75.6	23.98	73.0	22.88	68.4	21.49
	0.0	-0.7	88.2	25.55	83.4	24.22	78.3	23.03	75.6	22.03	73.0	21.03	68.4	19.72
	3.0	2.2	88.2	23.31	83.4	21.99	78.3	20.94	75.6	20.06	73.0	19.20	68.4	17.94
	5.0	4.1	88.2	21.82	83.4	20.51	78.3	19.55	75.6	18.75	73.0	17.96	68.4	16.74
	7.0	6.0	88.2	20.32	83.4	19.03	78.3	18.15	75.6	17.44	73.0	16.73	68.4	15.56
	9.0	7.9	88.2	18.13	83.4	16.99	78.3	16.20	75.6	15.56	73.0	14.93	68.4	13.88
	11.0	9.8	88.2	16.93	83.4	15.86	78.3	15.12	75.6	14.53	73.0	13.94	68.4	12.96
	13.0	11.8	88.2	15.86	83.4	14.85	78.3	14.16	75.6	13.61	73.0	13.06	68.4	12.15
15.0	13.7	88.2	14.98	83.4	14.04	78.3	13.39	75.6	12.86	73.0	12.35	68.4	11.48	
50	-24.8	-25	73.5	34.19	69.3	34.87	65.2	33.03	63.1	31.31	61.0	29.68	56.8	28.17
	-21.8	-22	73.5	34.87	69.3	33.03	65.2	31.31	63.1	29.68	61.0	28.17	56.8	26.70
	-19.8	-20	73.5	33.59	69.3	31.80	65.2	30.16	63.1	28.59	61.0	27.15	56.8	25.74
	-18.8	-19	73.5	32.95	69.3	31.19	65.2	29.58	63.1	28.05	61.0	26.65	56.8	25.25
	-16.7	-17	73.5	31.60	69.3	29.90	65.2	28.38	63.1	26.91	61.0	25.58	56.8	24.22
	-13.7	-15	73.5	29.67	69.3	28.06	65.2	26.66	63.1	25.28	61.0	24.07	56.8	22.77
	-11.8	-13	73.5	28.45	69.3	26.89	65.2	25.57	63.1	24.25	61.0	23.11	56.8	21.84
	-9.8	-11	73.5	27.17	69.3	25.67	65.2	24.42	63.1	23.17	61.0	22.10	56.8	20.87
	-9.5	-10	73.5	26.98	69.3	25.48	65.2	24.25	63.1	23.00	61.0	21.95	56.8	20.72
	-8.5	-9.1	73.5	26.33	69.3	24.86	65.2	23.68	63.1	22.46	61.0	21.45	56.8	20.23
	-7.0	-7.6	73.5	25.38	69.3	23.94	65.2	22.82	63.1	21.65	61.0	20.69	56.8	19.50
	-5.0	-5.6	73.5	24.09	69.3	22.72	65.2	21.67	63.1	20.56	61.0	19.67	56.8	18.53
	-3.0	-3.7	73.5	22.81	69.3	21.49	65.2	20.52	63.1	19.47	61.0	18.66	56.8	17.56
	0.0	-0.7	73.5	20.89	69.3	19.64	65.2	18.80	63.1	17.84	61.0	17.15	56.8	16.10
	3.0	2.2	73.5	18.96	69.3	17.80	65.2	17.08	63.1	16.22	61.0	15.63	56.8	14.65
	5.0	4.1	73.5	17.67	69.3	16.58	65.2	15.93	63.1	15.13	61.0	14.63	56.8	13.67
	7.0	6.0	73.5	16.40	69.3	15.35	65.2	14.78	63.1	14.04	61.0	13.61	56.8	12.69
	9.0	7.9	73.5	14.80	69.3	13.86	65.2	13.35	63.1	12.68	61.0	12.30	56.8	11.46
	11.0	9.8	73.5	13.85	69.3	12.97	65.2	12.49	63.1	11.87	61.0	11.50	56.8	10.73
	13.0	11.8	73.5	13.01	69.3	12.18	65.2	11.72	63.1	11.14	61.0	10.80	56.8	10.07
15.0	13.7	73.5	12.30	69.3	11.52	65.2	11.10	63.1	10.54	61.0	10.22	56.8	9.53	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN440BTE5

Heating Capacity (44HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	84.9	49.95	84.9	50.24	84.3	50.48	84.3	50.87	84.3	51.25	82.8	51.83
	-21.8	-22	104.0	50.52	104.0	50.82	103.3	51.07	103.3	51.46	103.3	51.83	101.3	52.42
	-19.8	-20	110.1	50.91	110.1	51.21	109.3	51.46	109.3	51.85	109.3	52.22	107.3	52.79
	-18.8	-19	112.5	51.11	112.5	51.40	111.8	51.65	111.8	52.04	111.8	52.42	109.6	52.99
	-16.7	-17	117.6	51.52	117.6	51.81	116.9	52.06	116.9	52.45	116.9	52.82	114.7	53.40
	-13.7	-15	124.9	52.10	124.9	52.39	124.2	52.64	124.2	53.03	124.2	53.40	121.8	51.46
	-11.8	-13	129.0	52.47	129.0	52.76	128.2	53.01	128.2	53.40	128.2	52.10	126.3	50.23
	-9.8	-11	133.2	52.86	133.2	53.14	132.5	53.40	132.5	52.03	132.5	50.73	131.0	48.93
	-9.5	-10	134.0	52.91	134.0	53.21	133.2	53.19	133.2	51.81	133.1	50.53	131.7	48.75
	-8.5	-9.1	136.6	53.11	136.6	53.40	135.8	52.49	135.8	51.13	135.2	49.84	134.1	48.09
	-7.0	-7.6	140.5	53.40	140.5	52.39	139.6	51.45	139.6	50.10	139.6	48.82	137.6	47.13
	-5.0	-5.6	145.6	52.10	145.6	51.03	144.7	50.04	144.7	48.71	144.7	47.45	142.3	45.83
	-3.0	-3.7	150.8	50.81	150.8	49.68	149.9	48.65	149.9	47.34	149.9	46.09	147.0	44.54
	0.0	-0.7	158.5	48.87	158.5	47.65	157.5	46.56	157.5	45.27	157.5	44.03	154.2	42.59
	3.0	2.2	166.3	46.93	166.3	45.62	165.2	44.46	165.2	43.21	165.2	41.99	155.0	40.66
	5.0	4.1	171.4	45.63	171.4	44.27	170.4	43.06	170.4	41.83	166.5	40.62	155.0	39.36
	7.0	6.0	176.5	44.34	176.5	42.91	175.4	41.66	172.6	40.45	166.5	39.25	155.0	38.07
	9.0	7.9	177.4	43.28	177.4	41.88	176.9	40.67	172.6	39.49	166.5	38.31	155.0	37.16
	11.0	9.8	177.4	42.61	177.4	41.24	176.9	40.04	172.6	38.87	166.5	37.71	155.0	36.58
	13.0	11.8	177.4	41.88	177.4	40.53	176.9	39.35	172.6	38.20	166.5	37.07	155.0	35.95
15.0	13.7	177.4	41.08	177.4	39.75	176.9	38.60	172.6	37.47	166.5	36.36	155.0	35.27	
120	-24.8	-25	84.3	50.24	84.3	50.48	83.7	50.87	83.7	51.25	83.7	51.83	82.2	52.23
	-21.8	-22	103.3	50.82	103.3	51.07	102.6	51.46	102.6	51.83	102.6	52.42	100.7	52.82
	-19.8	-20	109.3	51.21	109.3	51.46	108.6	51.85	108.6	52.22	108.6	52.79	106.5	53.21
	-18.8	-19	111.7	51.40	111.7	51.65	111.0	52.04	111.0	52.42	111.0	52.99	108.9	53.40
	-16.7	-17	116.8	51.81	116.8	52.06	116.0	52.45	116.0	52.82	116.0	53.40	113.8	52.15
	-13.7	-15	124.0	52.39	124.0	52.64	123.3	53.03	123.3	53.40	123.3	51.54	120.9	50.37
	-11.8	-13	128.1	52.76	128.1	53.01	127.3	53.40	127.3	52.09	127.3	50.37	125.4	49.24
	-9.8	-11	132.3	53.14	132.3	53.40	131.5	51.96	131.5	50.71	131.5	49.13	130.1	48.05
	-9.5	-10	133.1	53.21	133.1	53.18	132.3	51.75	132.3	50.50	132.3	48.95	130.8	47.87
	-8.5	-9.1	135.6	53.40	135.6	52.41	134.8	51.03	134.8	49.81	134.8	48.33	133.1	47.27
	-7.0	-7.6	139.5	52.28	139.5	51.28	138.6	49.95	138.6	48.78	138.6	47.40	136.6	46.38
	-5.0	-5.6	144.7	50.79	144.7	49.77	143.7	48.51	143.7	47.40	143.7	46.16	141.4	45.20
	-3.0	-3.7	149.7	49.29	149.7	48.26	148.8	47.07	148.8	46.02	148.8	44.94	145.6	44.01
	0.0	-0.7	157.4	47.05	157.4	45.98	156.4	44.92	156.4	43.95	156.4	43.08	145.6	42.22
	3.0	2.2	165.1	44.81	165.1	43.72	164.1	42.76	161.7	41.88	156.7	41.22	145.6	40.44
	5.0	4.1	170.2	43.32	170.2	42.20	167.3	41.32	161.7	40.50	156.7	39.99	145.6	39.25
	7.0	6.0	175.4	41.82	174.2	40.68	167.3	39.88	161.7	39.12	156.7	38.75	145.6	38.06
	9.0	7.9	176.1	40.71	174.2	39.61	167.3	38.83	161.7	38.09	156.7	37.73	145.6	37.05
	11.0	9.8	176.1	39.97	174.2	38.89	167.3	38.12	161.7	37.39	156.7	37.03	145.6	36.37
	13.0	11.8	176.1	39.16	174.2	38.09	167.3	37.34	161.7	36.63	156.7	36.29	145.6	35.64
15.0	13.7	176.1	38.29	174.2	37.25	167.3	36.52	161.7	35.83	156.7	35.48	145.6	34.85	
110	-24.8	-25	83.9	50.48	83.9	50.87	83.3	51.25	83.3	51.83	83.3	52.23	81.7	52.43
	-21.8	-22	102.7	51.07	102.7	51.46	102.0	51.83	102.0	52.42	102.0	52.82	100.1	53.01
	-19.8	-20	108.7	51.46	108.7	51.85	108.0	52.22	108.0	52.79	108.0	53.21	105.9	53.40
	-18.8	-19	111.1	51.65	111.1	52.04	110.4	52.42	110.4	52.99	110.4	53.40	108.3	52.74
	-16.7	-17	116.2	52.06	116.2	52.45	115.4	52.82	115.4	53.40	115.4	52.04	113.2	51.34
	-13.7	-15	123.3	52.64	123.3	53.03	122.5	53.40	122.5	51.35	122.5	50.10	122.5	49.35
	-11.8	-13	127.3	53.01	127.3	53.40	126.6	51.96	126.6	50.04	126.6	48.87	126.6	48.08
	-9.8	-11	131.6	53.40	131.6	51.77	130.8	50.43	130.8	48.68	130.8	47.58	130.1	46.75
	-9.5	-10	132.3	53.14	132.3	51.52	131.6	50.21	131.6	48.47	131.6	47.38	131.0	46.55
	-8.5	-9.1	134.9	52.26	134.9	50.71	134.1	49.44	134.1	47.79	134.1	46.74	131.0	45.89
	-7.0	-7.6	138.8	50.94	138.8	49.48	137.9	48.30	137.9	46.76	137.9	45.76	131.0	44.89
	-5.0	-5.6	143.8	49.19	143.8	47.86	142.9	46.78	142.9	45.40	140.3	44.47	131.0	43.56
	-3.0	-3.7	148.9	47.43	148.9	46.22	148.0	45.25	145.2	44.03	140.3	43.17	131.0	42.22
	0.0	-0.7	156.5	44.79	156.5	43.78	150.1	42.97	145.2	41.97	140.3	41.24	131.0	40.22
	3.0	2.2	164.1	42.16	160.0	41.33	150.1	40.69	145.2	39.91	140.3	39.29	131.0	38.23
	5.0	4.1	169.3	40.40	160.0	39.69	150.1	39.16	145.2	38.55	140.3	38.00	131.0	36.90
	7.0	6.0	169.3	38.65	160.0	38.07	150.1	37.64	145.2	37.18	140.3	36.70	131.0	35.57
	9.0	7.9	169.3	37.45	160.0	36.89	150.1	36.48	145.2	36.03	140.3	35.57	131.0	34.48
	11.0	9.8	169.3	36.59	160.0	36.03	150.1	35.63	145.2	35.19	140.3	34.75	131.0	33.68
	13.0	11.8	169.3	35.65	160.0	35.12	150.1	34.72	145.2	34.30	140.3	33.86	131.0	32.82
15.0	13.7	169.3	34.66	160.0	34.14	150.1	33.75	145.2	33.35	140.3	32.92	131.0	31.91	

# 7. Capacity Tables

Heating Capacity (44HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	83.5	55.67	83.5	55.36	83.0	51.35	83.0	54.63	83.0	54.31	81.3	54.16
	-21.8	-22	102.2	55.22	102.2	54.91	101.6	52.97	101.6	54.17	101.6	54.57	99.6	53.70
	-19.8	-20	108.2	54.91	108.2	54.61	107.6	53.98	107.6	53.87	107.6	53.80	105.5	53.40
	-18.8	-19	110.6	54.76	110.0	54.46	110.0	54.17	110.0	53.72	110.0	53.40	107.8	52.58
	-16.7	-17	114.9	54.44	114.9	54.14	114.9	54.57	114.3	53.40	114.3	51.70	112.1	50.85
	-13.7	-15	122.7	53.99	122.7	53.69	122.0	53.40	122.0	50.95	122.0	49.29	119.7	48.38
	-11.8	-13	126.7	53.70	126.0	53.40	126.0	51.77	126.0	49.40	126.0	47.76	119.7	46.82
	-9.8	-11	130.9	53.40	130.9	51.57	130.3	50.05	130.3	47.77	128.5	46.14	119.7	45.18
	-9.5	-10	131.6	53.12	131.6	51.30	131.0	49.79	131.0	47.53	128.5	45.90	119.7	44.92
	-8.5	-9.1	134.2	52.16	134.2	50.39	133.6	48.93	132.9	46.71	128.5	45.09	119.7	44.10
	-7.0	-7.6	140.3	50.74	139.7	49.02	137.3	47.64	132.9	45.49	128.5	43.88	119.7	42.87
	-5.0	-5.6	146.4	48.84	144.9	47.20	137.3	45.92	132.9	43.86	128.5	42.28	119.7	41.22
	-3.0	-3.7	150.6	46.93	146.1	45.36	137.3	44.21	132.9	42.23	128.5	40.66	119.7	39.58
	0.0	-0.7	154.9	44.08	146.1	42.63	137.3	41.62	132.9	39.78	128.5	38.24	119.7	37.11
	3.0	2.2	154.9	41.22	146.1	39.89	137.3	39.05	132.9	37.33	128.5	35.83	119.7	34.64
	5.0	4.1	154.9	39.31	146.1	38.07	137.3	37.33	132.9	35.70	128.5	34.21	119.7	32.99
	7.0	6.0	154.9	37.41	146.1	36.24	137.3	35.61	132.9	34.06	128.5	32.60	119.7	31.35
	9.0	7.9	154.9	36.10	146.1	34.97	137.3	34.37	132.9	32.88	128.5	31.45	119.7	30.25
	11.0	9.8	154.9	35.10	146.1	34.00	137.3	33.41	132.9	31.96	128.5	30.58	119.7	29.41
	13.0	11.8	154.9	34.03	146.1	32.96	137.3	32.39	132.9	30.98	128.5	29.65	119.7	28.52
15.0	13.7	154.9	32.89	146.1	31.86	137.3	31.31	132.9	29.95	128.5	28.65	119.7	27.56	
90	-24.8	-25	83.2	49.59	83.2	50.17	82.6	50.58	82.6	50.77	82.6	51.16	81.1	51.74
	-21.8	-22	101.8	50.17	101.8	50.76	101.2	51.16	101.2	51.35	101.2	51.74	99.2	49.56
	-19.8	-20	107.8	50.56	107.8	51.14	107.1	51.55	107.1	51.74	107.1	50.25	105.1	48.09
	-18.8	-19	110.6	50.76	110.0	51.34	109.5	51.74	109.5	50.97	109.5	49.50	107.4	47.36
	-16.7	-17	114.9	51.16	114.9	51.74	114.5	50.16	114.5	49.36	114.5	47.93	109.4	45.82
	-13.7	-15	122.7	51.74	122.7	49.39	121.6	47.89	121.6	47.05	117.9	45.69	109.4	43.63
	-11.8	-13	126.7	50.13	126.0	47.89	125.5	46.46	121.8	45.60	117.9	44.27	109.4	42.24
	-9.8	-11	130.9	48.44	130.9	46.33	125.6	44.94	121.8	44.06	117.9	42.78	109.4	40.79
	-9.5	-10	131.6	48.18	131.6	46.09	125.6	44.72	121.8	43.83	117.9	42.56	109.4	40.57
	-8.5	-9.1	134.2	47.34	133.2	45.31	125.6	43.97	121.8	43.06	117.9	41.81	109.4	39.83
	-7.0	-7.6	140.3	46.07	133.4	44.13	125.6	42.83	121.8	41.90	117.9	40.69	109.4	38.74
	-5.0	-5.6	141.8	44.37	133.4	42.56	125.6	41.31	121.8	40.38	117.9	39.19	109.4	37.27
	-3.0	-3.7	141.8	42.68	133.4	40.99	125.6	39.81	121.8	38.84	117.9	37.69	109.4	35.81
	0.0	-0.7	141.8	40.13	133.4	38.63	125.6	37.54	121.8	36.53	117.9	35.45	109.4	33.61
	3.0	2.2	141.8	37.58	133.4	36.28	125.6	35.28	121.8	34.22	117.9	33.22	109.4	31.43
	5.0	4.1	141.8	35.89	133.4	34.71	125.6	33.76	121.8	32.69	117.9	31.72	109.4	29.97
	7.0	6.0	141.8	34.19	133.4	33.14	125.6	32.25	121.8	31.15	117.9	30.22	109.4	28.50
	9.0	7.9	141.8	32.59	133.4	31.59	125.6	30.74	121.8	29.69	117.9	28.81	109.4	27.16
	11.0	9.8	141.8	30.98	133.4	30.03	125.6	29.23	121.8	28.23	117.9	27.39	109.4	25.83
	13.0	11.8	141.8	29.39	133.4	28.48	125.6	27.71	121.8	26.77	117.9	25.98	109.4	24.49
15.0	13.7	141.8	27.79	133.4	26.93	125.6	26.21	121.8	25.31	117.9	24.56	109.4	23.15	
80	-24.8	-25	82.8	43.73	82.8	44.31	82.3	44.72	82.3	44.91	82.3	45.88	80.7	43.95
	-21.8	-22	100.7	44.31	100.7	44.90	100.7	45.30	100.7	45.88	100.7	43.95	97.8	42.10
	-19.8	-20	106.7	44.70	106.7	45.29	106.7	45.88	106.7	44.52	105.1	42.67	97.8	40.86
	-18.8	-19	109.1	44.90	109.1	45.88	109.1	45.20	108.9	43.84	105.1	42.03	97.8	40.24
	-16.7	-17	112.4	45.88	112.4	44.45	112.4	43.75	109.0	42.42	105.1	40.68	97.8	38.94
	-13.7	-15	117.5	43.77	115.2	42.40	112.4	41.68	109.0	40.38	105.1	38.75	97.8	37.09
	-11.8	-13	120.4	42.41	116.9	41.11	112.4	40.38	109.0	39.08	105.1	37.53	97.8	35.92
	-9.8	-11	123.6	41.00	118.5	39.74	112.4	39.00	109.0	37.73	105.1	36.24	97.8	34.67
	-9.5	-10	124.5	40.80	119.2	39.54	112.4	38.80	109.0	37.52	105.1	36.04	97.8	34.49
	-8.5	-9.1	125.7	40.08	119.7	38.86	112.4	38.11	109.0	36.84	105.1	35.40	97.8	33.87
	-7.0	-7.6	127.0	39.02	119.7	37.83	112.4	37.08	109.0	35.82	105.1	34.43	97.8	32.95
	-5.0	-5.6	127.0	37.61	119.7	36.46	112.4	35.69	109.0	34.46	105.1	33.15	97.8	31.71
	-3.0	-3.7	127.0	36.20	119.7	35.10	112.4	34.32	109.0	33.10	105.1	31.87	97.8	30.48
	0.0	-0.7	127.0	34.07	119.7	33.05	112.4	32.26	109.0	31.06	105.1	29.94	97.8	28.61
	3.0	2.2	127.0	31.95	119.7	31.01	112.4	30.19	109.0	29.02	105.1	28.01	97.8	26.76
	5.0	4.1	127.0	30.54	119.7	29.64	112.4	28.82	109.0	27.66	105.1	26.72	97.8	25.52
	7.0	6.0	127.0	29.12	119.7	28.28	112.4	27.44	109.0	26.30	105.1	25.44	97.8	24.29
	9.0	7.9	127.0	27.35	119.7	26.55	112.4	25.77	109.0	24.69	105.1	23.89	97.8	22.80
	11.0	9.8	127.0	25.38	119.7	24.64	112.4	23.91	109.0	22.92	105.1	22.16	97.8	21.16
	13.0	11.8	127.0	23.69	119.7	23.00	112.4	22.32	109.0	21.40	105.1	20.69	97.8	19.76
15.0	13.7	127.0	22.30	119.7	21.65	112.4	21.01	109.0	20.14	105.1	19.48	97.8	18.60	

# 7. Capacity Tables

Heating Capacity (44HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	82.8	43.65	82.8	43.84	82.3	44.23	82.3	44.81	82.3	42.70	80.7	40.73
	-21.8	-22	96.3	44.23	96.3	44.43	95.7	44.81	92.4	42.70	89.6	40.73	83.7	38.82
	-19.8	-20	105.3	44.61	101.7	44.81	95.7	43.33	92.4	41.30	89.6	39.42	83.7	37.54
	-18.8	-19	107.7	44.81	101.7	44.05	95.7	42.59	92.4	40.59	89.6	38.76	83.7	36.91
	-16.7	-17	107.7	43.23	101.7	42.44	95.7	41.04	92.4	39.12	89.6	37.37	83.7	35.57
	-13.7	-15	107.7	40.97	101.7	40.15	95.7	38.83	92.4	37.01	89.6	35.40	83.7	33.66
	-11.8	-13	107.7	39.53	101.7	38.70	95.7	37.42	92.4	35.67	89.6	34.15	83.7	32.45
	-9.8	-11	107.7	38.02	101.7	37.17	95.7	35.94	92.4	34.27	89.6	32.83	83.7	31.17
	-9.5	-10	107.7	37.80	101.7	36.94	95.7	35.72	92.4	34.06	89.6	32.63	83.7	30.99
	-8.5	-9.1	107.7	37.05	101.7	36.18	95.7	34.98	92.4	33.36	89.6	31.97	83.7	30.35
	-7.0	-7.6	107.7	35.92	101.7	35.04	95.7	33.87	92.4	32.30	89.6	31.00	83.7	29.39
	-5.0	-5.6	107.7	34.40	101.7	33.50	95.7	32.39	92.4	30.89	89.6	29.68	83.7	28.12
	-3.0	-3.7	107.7	32.90	101.7	31.98	95.7	30.92	92.4	29.48	89.6	28.36	83.7	26.85
	0.0	-0.7	107.7	30.64	101.7	29.69	95.7	28.69	92.4	27.38	89.6	26.39	83.7	24.93
	3.0	2.2	107.7	28.37	101.7	27.39	95.7	26.48	92.4	25.27	89.6	24.41	83.7	23.03
	5.0	4.1	107.7	26.87	101.7	25.87	95.7	25.01	92.4	23.86	89.6	23.10	83.7	21.75
	7.0	6.0	107.7	25.36	101.7	24.34	95.7	23.53	92.4	22.46	89.6	21.78	83.7	20.48
	9.0	7.9	107.7	22.90	101.7	21.98	95.7	21.25	92.4	20.28	89.6	19.67	83.7	18.50
	11.0	9.8	107.7	21.32	101.7	20.47	95.7	19.78	92.4	18.88	89.6	18.32	83.7	17.22
	13.0	11.8	107.7	19.95	101.7	19.15	95.7	18.50	92.4	17.67	89.6	17.13	83.7	16.11
15.0	13.7	107.7	18.81	101.7	18.06	95.7	17.44	92.4	16.66	89.6	16.15	83.7	15.18	
60	-24.8	-25	82.2	43.18	82.2	43.57	81.6	44.15	79.3	41.89	76.5	39.75	71.7	37.75
	-21.8	-22	88.3	43.76	87.4	44.15	82.0	41.89	79.3	39.75	76.5	37.75	71.7	35.82
	-19.8	-20	92.4	44.15	87.4	42.55	82.0	40.37	79.3	38.34	76.5	36.41	71.7	34.52
	-18.8	-19	92.4	43.34	87.4	41.75	82.0	39.61	79.3	37.62	76.5	35.75	71.7	33.87
	-16.7	-17	92.4	41.65	87.4	40.06	82.0	38.02	79.3	36.13	76.5	34.35	71.7	32.53
	-13.7	-15	92.4	39.23	87.4	37.67	82.0	35.76	79.3	34.00	76.5	32.34	71.7	30.58
	-11.8	-13	92.4	37.69	87.4	36.14	82.0	34.32	79.3	32.65	76.5	31.07	71.7	29.35
	-9.8	-11	92.4	36.07	87.4	34.54	82.0	32.80	79.3	31.24	76.5	29.73	71.7	28.07
	-9.5	-10	92.4	35.83	87.4	34.30	82.0	32.58	79.3	31.02	76.5	29.53	71.7	27.88
	-8.5	-9.1	92.4	35.02	87.4	33.49	82.0	31.82	79.3	30.31	76.5	28.87	71.7	27.22
	-7.0	-7.6	92.4	33.81	87.4	32.29	82.0	30.68	79.3	29.25	76.5	27.87	71.7	26.26
	-5.0	-5.6	92.4	32.19	87.4	30.69	82.0	29.17	79.3	27.83	76.5	26.53	71.7	24.97
	-3.0	-3.7	92.4	30.58	87.4	29.09	82.0	27.66	79.3	26.40	76.5	25.19	71.7	23.67
	0.0	-0.7	92.4	28.15	87.4	26.68	82.0	25.38	79.3	24.28	76.5	23.19	71.7	21.74
	3.0	2.2	92.4	25.73	87.4	24.27	82.0	23.12	79.3	22.15	76.5	21.20	71.7	19.81
	5.0	4.1	92.4	24.11	87.4	22.67	82.0	21.61	79.3	20.73	76.5	19.86	71.7	18.51
	7.0	6.0	92.4	22.49	87.4	21.07	82.0	20.09	79.3	19.30	76.5	18.52	71.7	17.22
	9.0	7.9	92.4	20.07	87.4	18.80	82.0	17.93	79.3	17.22	76.5	16.53	71.7	15.36
	11.0	9.8	92.4	18.74	87.4	17.55	82.0	16.73	79.3	16.09	76.5	15.43	71.7	14.34
	13.0	11.8	92.4	17.55	87.4	16.44	82.0	15.68	79.3	15.07	76.5	14.45	71.7	13.45
15.0	13.7	92.4	16.59	87.4	15.54	82.0	14.82	79.3	14.24	76.5	13.66	71.7	12.70	
50	-24.8	-25	77.1	37.51	72.7	38.09	68.4	36.10	66.2	34.24	63.9	32.48	59.5	30.83
	-21.8	-22	77.1	38.09	72.7	36.10	68.4	34.24	66.2	32.48	63.9	30.83	59.5	29.25
	-19.8	-20	77.1	36.71	72.7	34.77	68.4	32.99	66.2	31.30	63.9	29.74	59.5	28.20
	-18.8	-19	77.1	36.01	72.7	34.11	68.4	32.37	66.2	30.71	63.9	29.19	59.5	27.67
	-16.7	-17	77.1	34.56	72.7	32.72	68.4	31.07	66.2	29.48	63.9	28.04	59.5	26.56
	-13.7	-15	77.1	32.48	72.7	30.72	68.4	29.21	66.2	27.71	63.9	26.39	59.5	24.98
	-11.8	-13	77.1	31.16	72.7	29.46	68.4	28.03	66.2	26.59	63.9	25.35	59.5	23.98
	-9.8	-11	77.1	29.78	72.7	28.14	68.4	26.79	66.2	25.42	63.9	24.27	59.5	22.92
	-9.5	-10	77.1	29.57	72.7	27.94	68.4	26.61	66.2	25.24	63.9	24.10	59.5	22.76
	-8.5	-9.1	77.1	28.88	72.7	27.27	68.4	25.99	66.2	24.66	63.9	23.55	59.5	22.23
	-7.0	-7.6	77.1	27.85	72.7	26.28	68.4	25.05	66.2	23.78	63.9	22.73	59.5	21.44
	-5.0	-5.6	77.1	26.46	72.7	24.96	68.4	23.81	66.2	22.60	63.9	21.64	59.5	20.38
	-3.0	-3.7	77.1	25.07	72.7	23.63	68.4	22.57	66.2	21.42	63.9	20.54	59.5	19.33
	0.0	-0.7	77.1	23.00	72.7	21.63	68.4	20.70	66.2	19.66	63.9	18.90	59.5	17.75
	3.0	2.2	77.1	20.92	72.7	19.64	68.4	18.85	66.2	17.90	63.9	17.25	59.5	16.17
	5.0	4.1	77.1	19.53	72.7	18.32	68.4	17.61	66.2	16.72	63.9	16.16	59.5	15.11
	7.0	6.0	77.1	18.15	72.7	16.99	68.4	16.37	66.2	15.55	63.9	15.07	59.5	14.05
	9.0	7.9	77.1	16.38	72.7	15.34	68.4	14.78	66.2	14.04	63.9	13.61	59.5	12.69
	11.0	9.8	77.1	15.33	72.7	14.36	68.4	13.83	66.2	13.14	63.9	12.73	59.5	11.88
	13.0	11.8	77.1	14.40	72.7	13.48	68.4	12.98	66.2	12.34	63.9	11.95	59.5	11.15
15.0	13.7	77.1	13.62	72.7	12.76	68.4	12.28	66.2	11.67	63.9	11.31	59.5	10.55	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN460BTE5

Heating Capacity (46HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	88.8	52.97	88.8	53.28	88.3	53.53	88.3	53.94	88.3	54.33	86.6	54.94
	-21.8	-22	108.8	53.58	108.8	53.88	108.1	54.15	108.1	54.56	108.1	54.94	106.0	55.55
	-19.8	-20	115.1	53.98	115.1	54.29	114.3	54.56	114.3	54.96	114.3	55.34	112.2	55.95
	-18.8	-19	117.7	54.19	117.7	54.49	116.9	54.75	116.9	55.16	116.9	55.55	114.7	56.16
	-16.7	-17	123.0	54.61	123.0	54.92	122.2	55.18	122.2	55.58	122.2	55.97	119.9	56.58
	-13.7	-15	130.6	55.22	130.6	55.53	129.8	55.79	129.8	56.20	129.8	56.58	127.3	54.53
	-11.8	-13	134.9	55.61	134.9	55.92	134.1	56.17	134.1	56.58	134.1	56.97	132.1	53.22
	-9.8	-11	139.4	56.02	139.4	56.31	138.5	56.58	138.5	56.97	138.5	57.36	137.0	51.85
	-9.5	-10	140.2	56.07	140.2	56.38	139.3	56.66	139.3	57.04	139.2	57.41	137.8	51.65
	-8.5	-9.1	142.9	56.28	142.9	56.58	142.0	56.85	142.0	57.12	141.5	57.49	140.2	50.96
	-7.0	-7.6	146.9	56.58	146.9	56.88	146.0	57.15	146.0	57.51	146.0	57.87	143.9	49.93
	-5.0	-5.6	152.3	57.21	152.3	57.51	151.3	57.78	151.3	58.14	151.3	58.50	148.9	48.56
	-3.0	-3.7	157.7	57.84	157.7	58.14	156.7	58.41	156.7	58.77	156.7	59.13	148.3	47.19
	0.0	-0.7	165.8	58.47	165.8	58.77	164.7	59.04	164.7	59.40	164.7	59.76	147.7	45.82
	3.0	2.2	173.9	59.10	173.9	59.40	172.8	59.67	172.8	60.03	172.8	60.39	147.1	44.45
	5.0	4.1	179.2	59.72	179.2	60.02	178.2	60.29	178.2	60.65	178.2	61.01	146.5	43.08
	7.0	6.0	184.6	60.34	184.6	60.64	183.4	60.91	183.4	61.27	183.4	61.63	145.9	41.71
	9.0	7.9	185.6	60.39	185.6	60.69	185.0	61.00	185.0	61.36	185.0	61.72	145.3	40.34
	11.0	9.8	185.6	60.44	185.6	60.74	185.0	61.05	185.0	61.41	185.0	61.77	144.7	38.97
	13.0	11.8	185.6	60.49	185.6	60.79	185.0	61.10	185.0	61.46	185.0	61.82	144.1	37.60
15.0	13.7	185.6	60.54	185.6	60.84	185.0	61.15	185.0	61.51	185.0	61.87	143.5	36.23	
120	-24.8	-25	88.2	53.28	88.2	53.59	87.7	53.94	87.7	54.33	87.7	54.72	86.0	55.36
	-21.8	-22	108.0	53.88	108.0	54.19	107.3	54.56	107.3	54.94	107.3	55.32	105.3	55.97
	-19.8	-20	114.3	54.29	114.3	54.60	113.5	54.96	113.5	55.34	113.5	55.72	111.4	56.38
	-18.8	-19	116.8	54.49	116.8	54.80	116.0	55.16	116.0	55.54	116.0	55.92	113.9	56.58
	-16.7	-17	122.1	54.92	122.1	55.23	121.3	55.58	121.3	55.96	121.3	56.34	119.0	55.26
	-13.7	-15	129.7	55.53	129.7	55.84	128.9	56.20	128.9	56.58	128.9	56.96	126.4	53.37
	-11.8	-13	133.9	55.92	133.9	56.23	133.1	56.58	133.1	56.96	133.1	57.34	131.1	52.17
	-9.8	-11	138.4	56.31	138.4	56.62	137.6	56.97	137.6	57.35	137.6	57.72	136.1	50.91
	-9.5	-10	139.2	56.36	139.2	56.67	138.4	57.02	138.4	57.40	138.4	57.78	136.8	50.72
	-8.5	-9.1	141.9	56.58	141.9	56.89	140.9	57.24	140.9	57.62	140.9	58.00	139.2	50.09
	-7.0	-7.6	145.9	56.88	145.9	57.19	145.0	57.54	145.0	57.92	145.0	58.30	142.9	49.14
	-5.0	-5.6	151.3	57.51	151.3	57.82	150.3	58.17	150.3	58.55	150.3	58.93	147.8	47.89
	-3.0	-3.7	156.6	58.14	156.6	58.45	155.6	58.80	155.6	59.18	155.6	59.56	147.1	46.63
	0.0	-0.7	164.6	58.77	164.6	59.08	163.5	59.43	163.5	59.81	163.5	60.19	146.5	45.44
	3.0	2.2	172.6	59.40	172.6	59.71	171.6	60.06	171.6	60.44	171.6	60.82	145.9	44.25
	5.0	4.1	178.0	59.72	178.0	60.03	177.0	60.38	177.0	60.76	177.0	61.14	145.3	43.06
	7.0	6.0	183.4	60.34	183.4	60.65	182.4	61.00	182.4	61.38	182.4	61.76	144.7	41.87
	9.0	7.9	184.1	60.39	184.1	60.70	184.1	61.05	184.1	61.43	184.1	61.81	144.1	40.68
	11.0	9.8	184.1	60.44	184.1	60.75	184.1	61.10	184.1	61.48	184.1	61.86	143.5	39.49
	13.0	11.8	184.1	60.49	184.1	60.80	184.1	61.15	184.1	61.53	184.1	61.91	142.9	38.30
15.0	13.7	184.1	60.54	184.1	60.85	184.1	61.20	184.1	61.58	184.1	61.96	142.3	37.11	
110	-24.8	-25	87.8	53.53	87.8	53.84	87.2	54.33	87.2	54.94	87.2	55.55	85.5	55.57
	-21.8	-22	107.4	54.15	107.4	54.46	106.7	54.94	106.7	55.55	106.7	56.16	104.7	56.17
	-19.8	-20	113.7	54.56	113.7	54.87	113.0	55.34	113.0	55.95	113.0	56.56	110.8	56.58
	-18.8	-19	116.2	54.75	116.2	55.06	115.4	55.55	115.4	56.16	115.4	56.77	113.3	55.88
	-16.7	-17	121.5	55.18	121.5	55.49	120.7	55.97	120.7	56.58	120.7	57.19	118.4	54.39
	-13.7	-15	128.9	55.79	128.9	56.10	128.2	56.58	128.2	57.19	128.2	57.78	128.2	52.29
	-11.8	-13	133.2	56.17	133.2	56.48	132.4	56.97	132.4	57.56	132.4	58.15	132.4	50.94
	-9.8	-11	137.6	56.58	137.6	56.89	136.8	57.37	136.8	57.96	136.8	58.55	136.0	49.53
	-9.5	-10	138.4	56.63	138.4	56.94	137.6	57.42	137.6	58.01	137.6	58.59	137.0	49.32
	-8.5	-9.1	141.1	56.85	141.1	57.16	140.3	57.65	140.3	58.24	140.3	58.82	137.0	48.62
	-7.0	-7.6	145.1	57.27	145.1	57.58	144.2	58.07	144.2	58.66	144.2	59.24	137.0	47.56
	-5.0	-5.6	150.4	57.90	150.4	58.21	149.4	58.70	149.4	59.29	149.4	59.87	137.0	46.15
	-3.0	-3.7	155.8	58.52	155.8	58.83	154.8	59.32	154.8	59.91	154.8	60.49	137.0	44.74
	0.0	-0.7	163.7	59.14	163.7	59.45	162.8	59.94	162.8	60.53	162.8	61.11	137.0	43.53
	3.0	2.2	171.7	59.76	171.7	60.07	170.8	60.56	170.8	61.15	170.8	61.73	137.0	42.32
	5.0	4.1	177.0	60.38	177.0	60.69	176.0	61.17	176.0	61.76	176.0	62.34	137.0	41.11
	7.0	6.0	177.0	60.43	177.0	60.74	176.0	61.22	176.0	61.81	176.0	62.40	137.0	39.90
	9.0	7.9	177.0	60.48	177.0	60.79	176.0	61.27	176.0	61.86	176.0	62.45	137.0	38.69
	11.0	9.8	177.0	60.53	177.0	60.84	176.0	61.32	176.0	61.91	176.0	62.50	137.0	37.48
	13.0	11.8	177.0	60.58	177.0	60.89	176.0	61.37	176.0	61.96	176.0	62.55	137.0	36.27
15.0	13.7	177.0	60.63	177.0	60.94	176.0	61.42	176.0	62.01	176.0	62.60	137.0	35.06	

# 7. Capacity Tables

Heating Capacity (46HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	87.4	59.01	87.4	58.69	86.8	54.43	86.8	57.90	86.8	57.55	85.1	57.40
	-21.8	-22	106.9	58.53	106.9	58.21	106.3	56.14	106.3	57.41	106.3	57.83	104.2	56.90
	-19.8	-20	113.2	58.21	113.2	57.88	112.5	57.21	112.5	57.08	112.5	57.00	110.4	56.58
	-18.8	-19	115.6	58.04	115.0	57.72	115.0	57.41	115.0	56.92	115.0	56.58	112.7	55.71
	-16.7	-17	120.2	57.70	120.2	57.38	120.2	57.83	119.5	56.58	119.5	54.78	117.2	53.88
	-13.7	-15	128.3	57.22	128.3	56.89	127.6	56.58	127.6	53.99	127.6	52.23	125.2	51.26
	-11.8	-13	132.5	56.90	131.8	56.58	131.8	54.85	131.8	52.35	131.8	50.60	125.2	49.61
	-9.8	-11	136.9	56.58	136.9	54.65	136.2	53.03	136.2	50.61	134.4	48.89	125.2	47.86
	-9.5	-10	137.6	56.28	137.6	54.36	137.0	52.75	137.0	50.36	134.4	48.64	125.2	47.60
	-8.5	-9.1	140.3	55.27	140.3	53.39	139.7	51.85	139.0	49.49	134.4	47.78	125.2	46.73
	-7.0	-7.6	146.7	53.76	146.1	51.94	143.6	50.48	139.0	48.20	134.4	46.50	125.2	45.42
	-5.0	-5.6	153.1	51.74	151.6	50.01	143.6	48.66	139.0	46.47	134.4	44.79	125.2	43.68
	-3.0	-3.7	157.5	49.72	152.8	48.06	143.6	46.84	139.0	44.74	134.4	43.08	125.2	41.94
	0.0	-0.7	162.0	46.70	152.8	45.17	143.6	44.10	139.0	42.15	134.4	40.51	125.2	39.32
	3.0	2.2	162.0	43.68	152.8	42.27	143.6	41.38	139.0	39.55	134.4	37.96	125.2	36.70
	5.0	4.1	162.0	41.65	152.8	40.33	143.6	39.55	139.0	37.83	134.4	36.24	125.2	34.95
	7.0	6.0	162.0	39.64	152.8	38.40	143.6	37.73	139.0	36.09	134.4	34.54	125.2	33.21
	9.0	7.9	162.0	38.25	152.8	37.05	143.6	36.41	139.0	34.83	134.4	33.33	125.2	32.05
	11.0	9.8	162.0	37.19	152.8	36.03	143.6	35.39	139.0	33.87	134.4	32.40	125.2	31.16
	13.0	11.8	162.0	36.05	152.8	34.93	143.6	34.31	139.0	32.83	134.4	31.41	125.2	30.22
15.0	13.7	162.0	34.85	152.8	33.75	143.6	33.17	139.0	31.73	134.4	30.36	125.2	29.20	
90	-24.8	-25	87.0	52.58	87.0	53.19	86.5	53.62	86.5	53.82	86.5	54.22	84.9	54.83
	-21.8	-22	106.5	53.19	106.5	53.80	105.9	54.22	105.9	54.42	105.9	54.83	103.8	52.51
	-19.8	-20	112.7	53.59	112.7	54.20	112.0	54.63	112.0	54.83	112.0	55.25	109.9	50.96
	-18.8	-19	115.6	53.80	115.0	54.41	114.5	54.83	114.5	54.01	114.5	52.46	112.3	50.19
	-16.7	-17	120.2	54.22	120.2	54.83	119.7	53.15	119.7	52.30	119.7	50.79	114.4	48.56
	-13.7	-15	128.3	54.83	128.3	52.34	127.1	50.75	127.1	49.86	123.3	48.42	114.4	46.23
	-11.8	-13	132.5	53.12	131.8	50.75	131.3	49.23	127.3	48.32	123.3	46.91	114.4	44.76
	-9.8	-11	136.9	51.33	136.9	49.09	131.4	47.62	127.3	46.69	123.3	45.33	114.4	43.22
	-9.5	-10	137.6	51.06	137.6	48.84	131.4	47.38	127.3	46.44	123.3	45.10	114.4	42.98
	-8.5	-9.1	140.3	50.16	139.4	48.01	131.4	46.59	127.3	45.62	123.3	44.30	114.4	42.21
	-7.0	-7.6	146.7	48.81	139.6	46.76	131.4	45.38	127.3	44.40	123.3	43.12	114.4	41.05
	-5.0	-5.6	148.3	47.01	139.6	45.09	131.4	43.78	127.3	42.78	123.3	41.53	114.4	39.49
	-3.0	-3.7	148.3	45.22	139.6	43.44	131.4	42.18	127.3	41.15	123.3	39.94	114.4	37.94
	0.0	-0.7	148.3	42.52	139.6	40.93	131.4	39.77	127.3	38.71	123.3	37.57	114.4	35.62
	3.0	2.2	148.3	39.82	139.6	38.44	131.4	37.38	127.3	36.26	123.3	35.19	114.4	33.30
	5.0	4.1	148.3	38.03	139.6	36.78	131.4	35.77	127.3	34.63	123.3	33.61	114.4	31.75
	7.0	6.0	148.3	36.23	139.6	35.11	131.4	34.17	127.3	33.00	123.3	32.02	114.4	30.20
	9.0	7.9	148.3	34.53	139.6	33.47	131.4	32.57	127.3	31.46	123.3	30.52	114.4	28.78
	11.0	9.8	148.3	32.83	139.6	31.82	131.4	30.97	127.3	29.91	123.3	29.02	114.4	27.36
	13.0	11.8	148.3	31.13	139.6	30.17	131.4	29.36	127.3	28.36	123.3	27.52	114.4	25.95
15.0	13.7	148.3	29.44	139.6	28.53	131.4	27.76	127.3	26.82	123.3	26.02	114.4	24.53	
80	-24.8	-25	86.7	46.37	86.7	46.98	86.1	47.41	86.1	47.61	86.1	48.62	84.5	46.58
	-21.8	-22	105.4	46.98	105.4	47.59	105.4	48.01	105.4	48.62	105.4	46.58	102.2	44.61
	-19.8	-20	111.6	47.38	111.6	48.00	111.6	48.62	111.6	47.18	109.9	45.22	102.2	43.30
	-18.8	-19	114.0	47.59	114.0	48.62	114.0	47.89	113.9	46.46	109.9	44.53	102.2	42.64
	-16.7	-17	117.5	48.62	117.5	47.10	117.5	46.36	114.0	44.94	109.9	43.10	102.2	41.26
	-13.7	-15	122.9	46.38	120.4	44.93	117.5	44.17	114.0	42.79	109.9	41.06	102.2	39.30
	-11.8	-13	125.9	44.94	122.2	43.56	117.5	42.79	114.0	41.41	109.9	39.76	102.2	38.06
	-9.8	-11	129.3	43.45	124.0	42.11	117.5	41.33	114.0	39.97	109.9	38.40	102.2	36.74
	-9.5	-10	130.2	43.23	124.7	41.89	117.5	41.11	114.0	39.76	109.9	38.19	102.2	36.55
	-8.5	-9.1	131.5	42.47	125.2	41.17	117.5	40.38	114.0	39.04	109.9	37.51	102.2	35.89
	-7.0	-7.6	132.8	41.35	125.2	40.09	117.5	39.29	114.0	37.96	109.9	36.49	102.2	34.91
	-5.0	-5.6	132.8	39.85	125.2	38.63	117.5	37.82	114.0	36.52	109.9	35.13	102.2	33.60
	-3.0	-3.7	132.8	38.35	125.2	37.19	117.5	36.36	114.0	35.07	109.9	33.77	102.2	32.29
	0.0	-0.7	132.8	36.10	125.2	35.02	117.5	34.18	114.0	32.91	109.9	31.73	102.2	30.32
	3.0	2.2	132.8	33.85	125.2	32.86	117.5	31.99	114.0	30.75	109.9	29.67	102.2	28.36
	5.0	4.1	132.8	32.35	125.2	31.41	117.5	30.54	114.0	29.30	109.9	28.31	102.2	27.04
	7.0	6.0	132.8	30.86	125.2	29.96	117.5	29.08	114.0	27.86	109.9	26.95	102.2	25.74
	9.0	7.9	132.8	28.98	125.2	28.13	117.5	27.30	114.0	26.16	109.9	25.31	102.2	24.16
	11.0	9.8	132.8	26.89	125.2	26.11	117.5	25.34	114.0	24.29	109.9	23.48	102.2	22.42
	13.0	11.8	132.8	25.10	125.2	24.37	117.5	23.65	114.0	22.67	109.9	21.92	102.2	20.93
15.0	13.7	132.8	23.63	125.2	22.94	117.5	22.26	114.0	21.34	109.9	20.64	102.2	19.71	



# 7. Capacity Tables

Heating Capacity (46HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB													
			16		18		20		21		22		24			
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
70	-24.8	-25	86.7	46.27	86.7	46.47	86.1	46.87	86.1	47.49	86.1	45.24	86.1	45.24	84.5	43.16
	-21.8	-22	100.7	46.87	100.7	47.08	100.1	47.49	96.6	45.24	93.8	43.16	87.5	41.13		
	-19.8	-20	110.0	47.28	106.3	47.49	100.1	45.92	96.6	43.76	93.8	41.77	87.5	39.78		
	-18.8	-19	112.7	47.49	106.3	46.67	100.1	45.13	96.6	43.01	93.8	41.07	87.5	39.11		
	-16.7	-17	112.7	45.80	106.3	44.97	100.1	43.49	96.6	41.45	93.8	39.60	87.5	37.69		
	-13.7	-15	112.7	43.41	106.3	42.54	100.1	41.14	96.6	39.21	93.8	37.51	87.5	35.66		
	-11.8	-13	112.7	41.89	106.3	41.01	100.1	39.65	96.6	37.80	93.8	36.18	87.5	34.38		
	-9.8	-11	112.7	40.29	106.3	39.38	100.1	38.08	96.6	36.31	93.8	34.79	87.5	33.03		
	-9.5	-10	112.7	40.05	106.3	39.15	100.1	37.85	96.6	36.09	93.8	34.58	87.5	32.83		
	-8.5	-9.1	112.7	39.26	106.3	38.33	100.1	37.07	96.6	35.35	93.8	33.88	87.5	32.16		
	-7.0	-7.6	112.7	38.06	106.3	37.13	100.1	35.89	96.6	34.22	93.8	32.84	87.5	31.15		
	-5.0	-5.6	112.7	36.45	106.3	35.50	100.1	34.32	96.6	32.73	93.8	31.45	87.5	29.79		
	-3.0	-3.7	112.7	34.86	106.3	33.89	100.1	32.76	96.6	31.24	93.8	30.05	87.5	28.45		
	0.0	-0.7	112.7	32.47	106.3	31.46	100.1	30.40	96.6	29.01	93.8	27.96	87.5	26.42		
	3.0	2.2	112.7	30.06	106.3	29.02	100.1	28.06	96.6	26.78	93.8	25.87	87.5	24.40		
	5.0	4.1	112.7	28.47	106.3	27.41	100.1	26.50	96.6	25.28	93.8	24.47	87.5	23.04		
	7.0	6.0	112.7	26.87	106.3	25.79	100.1	24.93	96.6	23.79	93.8	23.08	87.5	21.70		
	9.0	7.9	112.7	24.27	106.3	23.29	100.1	22.51	96.6	21.49	93.8	20.84	87.5	19.60		
11.0	9.8	112.7	22.59	106.3	21.68	100.1	20.95	96.6	20.01	93.8	19.41	87.5	18.25			
13.0	11.8	112.7	21.14	106.3	20.29	100.1	19.60	96.6	18.73	93.8	18.15	87.5	17.07			
15.0	13.7	112.7	19.93	106.3	19.13	100.1	18.48	96.6	17.65	93.8	17.11	87.5	16.09			
60	-24.8	-25	85.9	45.78	85.9	46.19	85.4	46.80	82.9	44.39	80.0	42.13	74.9	40.01		
	-21.8	-22	92.3	46.39	91.4	46.80	85.8	44.39	82.9	42.13	80.0	40.01	74.9	37.96		
	-19.8	-20	96.6	46.80	91.4	45.10	85.8	42.79	82.9	40.63	80.0	38.59	74.9	36.58		
	-18.8	-19	96.6	45.94	91.4	44.25	85.8	41.98	82.9	39.87	80.0	37.88	74.9	35.90		
	-16.7	-17	96.6	44.14	91.4	42.46	85.8	40.30	82.9	38.29	80.0	36.40	74.9	34.47		
	-13.7	-15	96.6	41.58	91.4	39.92	85.8	37.90	82.9	36.03	80.0	34.28	74.9	32.41		
	-11.8	-13	96.6	39.94	91.4	38.30	85.8	36.37	82.9	34.61	80.0	32.93	74.9	31.11		
	-9.8	-11	96.6	38.22	91.4	36.60	85.8	34.76	82.9	33.10	80.0	31.51	74.9	29.74		
	-9.5	-10	96.6	37.97	91.4	36.35	85.8	34.52	82.9	32.87	80.0	31.30	74.9	29.54		
	-8.5	-9.1	96.6	37.11	91.4	35.50	85.8	33.72	82.9	32.13	80.0	30.59	74.9	28.85		
	-7.0	-7.6	96.6	35.83	91.4	34.22	85.8	32.52	82.9	31.00	80.0	29.54	74.9	27.83		
	-5.0	-5.6	96.6	34.12	91.4	32.53	85.8	30.91	82.9	29.49	80.0	28.12	74.9	26.46		
	-3.0	-3.7	96.6	32.40	91.4	30.83	85.8	29.31	82.9	27.98	80.0	26.70	74.9	25.09		
	0.0	-0.7	96.6	29.83	91.4	28.27	85.8	26.90	82.9	25.73	80.0	24.57	74.9	23.04		
	3.0	2.2	96.6	27.26	91.4	25.72	85.8	24.50	82.9	23.47	80.0	22.46	74.9	20.99		
	5.0	4.1	96.6	25.55	91.4	24.02	85.8	22.89	82.9	21.97	80.0	21.04	74.9	19.61		
	7.0	6.0	96.6	23.83	91.4	22.32	85.8	21.28	82.9	20.45	80.0	19.62	74.9	18.25		
	9.0	7.9	96.6	21.26	91.4	19.92	85.8	19.00	82.9	18.25	80.0	17.51	74.9	16.28		
11.0	9.8	96.6	19.85	91.4	18.60	85.8	17.73	82.9	17.05	80.0	16.35	74.9	15.20			
13.0	11.8	96.6	18.60	91.4	17.42	85.8	16.61	82.9	15.97	80.0	15.31	74.9	14.25			
15.0	13.7	96.6	17.58	91.4	16.47	85.8	15.70	82.9	15.08	80.0	14.48	74.9	13.46			
50	-24.8	-25	80.6	39.75	76.0	40.37	71.5	38.25	69.2	36.28	66.9	34.41	62.3	32.67		
	-21.8	-22	80.6	40.37	76.0	38.25	71.5	36.28	69.2	34.41	66.9	32.67	62.3	30.99		
	-19.8	-20	80.6	38.90	76.0	36.84	71.5	34.96	69.2	33.16	66.9	31.51	62.3	29.88		
	-18.8	-19	80.6	38.16	76.0	36.14	71.5	34.30	69.2	32.54	66.9	30.93	62.3	29.32		
	-16.7	-17	80.6	36.62	76.0	34.67	71.5	32.93	69.2	31.24	66.9	29.71	62.3	28.14		
	-13.7	-15	80.6	34.42	76.0	32.56	71.5	30.95	69.2	29.36	66.9	27.97	62.3	26.47		
	-11.8	-13	80.6	33.02	76.0	31.22	71.5	29.71	69.2	28.18	66.9	26.86	62.3	25.41		
	-9.8	-11	80.6	31.55	76.0	29.82	71.5	28.39	69.2	26.94	66.9	25.71	62.3	24.28		
	-9.5	-10	80.6	31.33	76.0	29.61	71.5	28.19	69.2	26.75	66.9	25.54	62.3	24.11		
	-8.5	-9.1	80.6	30.60	76.0	28.90	71.5	27.53	69.2	26.12	66.9	24.96	62.3	23.55		
	-7.0	-7.6	80.6	29.51	76.0	27.85	71.5	26.55	69.2	25.19	66.9	24.09	62.3	22.72		
	-5.0	-5.6	80.6	28.03	76.0	26.44	71.5	25.23	69.2	23.95	66.9	22.93	62.3	21.60		
	-3.0	-3.7	80.6	26.56	76.0	25.03	71.5	23.91	69.2	22.70	66.9	21.76	62.3	20.48		
	0.0	-0.7	80.6	24.37	76.0	22.92	71.5	21.94	69.2	20.83	66.9	20.02	62.3	18.80		
	3.0	2.2	80.6	22.16	76.0	20.81	71.5	19.97	69.2	18.97	66.9	18.28	62.3	17.13		
	5.0	4.1	80.6	20.69	76.0	19.41	71.5	18.66	69.2	17.71	66.9	17.13	62.3	16.01		
	7.0	6.0	80.6	19.23	76.0	18.00	71.5	17.34	69.2	16.47	66.9	15.97	62.3	14.89		
	9.0	7.9	80.6	17.36	76.0	16.26	71.5	15.66	69.2	14.87	66.9	14.42	62.3	13.44		
11.0	9.8	80.6	16.24	76.0	15.21	71.5	14.65	69.2	13.92	66.9	13.49	62.3	12.59			
13.0	11.8	80.6	15.25	76.0	14.29	71.5	13.75	69.2	13.07	66.9	12.67	62.3	11.82			
15.0	13.7	80.6	14.43	76.0	13.52	71.5	13.02	69.2	12.36	66.9	11.99	62.3	11.18			

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN480BTE5

Heating Capacity (48HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	90.8	53.46	90.8	53.90	90.2	54.26	90.2	54.84	90.2	55.40	88.6	56.26
	-21.8	-22	112.0	54.32	112.0	54.76	111.2	55.14	111.2	55.72	111.2	56.26	109.0	57.14
	-19.8	-20	118.8	54.90	118.8	55.34	118.0	55.72	118.0	56.30	118.0	56.84	115.8	57.70
	-18.8	-19	121.6	55.20	121.6	55.62	120.8	56.00	120.8	56.58	120.8	57.14	118.4	58.00
	-16.7	-17	127.2	55.80	127.2	56.24	126.4	56.60	126.4	57.18	126.4	57.74	124.0	58.60
	-13.7	-15	135.2	56.66	135.2	57.10	134.4	57.48	134.4	58.06	134.4	58.60	131.8	56.48
	-11.8	-13	139.6	57.22	139.6	57.66	138.8	58.02	138.8	58.60	138.8	57.18	136.8	55.12
	-9.8	-11	144.2	57.80	144.2	58.22	143.4	58.60	143.4	57.10	143.4	55.68	142.0	53.70
	-9.5	-10	145.0	57.88	145.0	58.32	144.2	58.38	144.2	56.86	144.0	55.46	142.8	53.50
	-8.5	-9.1	147.8	58.18	147.8	58.60	147.0	57.60	147.0	56.12	146.4	54.70	145.4	52.78
	-7.0	-7.6	152.0	58.60	152.0	57.50	151.0	56.46	151.0	54.98	151.0	53.58	149.2	51.72
	-5.0	-5.6	157.6	57.18	157.6	56.00	156.6	54.92	156.6	53.46	156.6	52.08	154.4	50.30
	-3.0	-3.7	163.2	55.76	163.2	54.52	162.2	53.40	162.2	51.96	162.2	50.58	159.6	48.88
	0.0	-0.7	171.6	53.64	171.6	52.30	170.4	51.10	170.4	49.68	170.4	48.32	167.6	46.74
	3.0	2.2	180.0	51.50	180.0	50.06	178.8	48.80	178.8	47.42	178.8	46.08	167.8	44.62
	5.0	4.1	185.4	50.08	185.4	48.58	184.4	47.26	184.4	45.90	180.2	44.58	167.8	43.20
	7.0	6.0	191.0	48.66	191.0	47.10	189.8	45.72	186.8	44.40	180.2	43.08	167.8	41.78
9.0	7.9	192.0	47.50	192.0	45.96	191.4	44.64	186.8	43.34	180.2	42.04	167.8	40.78	
11.0	9.8	192.0	46.76	192.0	45.26	191.4	43.94	186.8	42.66	180.2	41.38	167.8	40.14	
13.0	11.8	192.0	45.96	192.0	44.48	191.4	43.18	186.8	41.92	180.2	40.68	167.8	39.46	
15.0	13.7	192.0	45.08	192.0	43.62	191.4	42.36	186.8	41.12	180.2	39.90	167.8	38.70	
120	-24.8	-25	90.2	53.90	90.2	54.26	89.6	54.84	89.6	55.40	89.6	56.26	88.0	56.86
	-21.8	-22	111.2	54.76	111.2	55.14	110.4	55.72	110.4	56.26	110.4	57.14	108.4	57.74
	-19.8	-20	118.0	55.34	118.0	55.72	117.2	56.30	117.2	56.84	117.2	57.70	115.0	58.32
	-18.8	-19	120.6	55.62	120.6	56.00	119.8	56.58	119.8	57.14	119.8	58.00	117.6	58.60
	-16.7	-17	126.2	56.24	126.2	56.60	125.4	57.18	125.4	57.74	125.4	58.60	123.0	57.24
	-13.7	-15	134.2	57.10	134.2	57.48	133.4	58.06	133.4	58.60	133.4	56.56	130.8	55.28
	-11.8	-13	138.6	57.66	138.6	58.02	137.8	58.60	137.8	57.16	137.8	55.28	135.8	54.04
	-9.8	-11	143.2	58.22	143.2	58.60	142.4	57.02	142.4	55.66	142.4	53.92	141.0	52.74
	-9.5	-10	144.0	58.32	144.0	58.36	143.2	56.80	143.2	55.42	143.2	53.72	141.8	52.54
	-8.5	-9.1	146.8	58.60	146.8	57.52	145.8	56.00	145.8	54.66	145.8	53.04	144.2	51.88
	-7.0	-7.6	151.0	57.38	151.0	56.28	150.0	54.82	150.0	53.54	150.0	52.02	148.2	50.90
	-5.0	-5.6	156.6	55.74	156.6	54.62	155.6	53.24	155.6	52.02	155.6	50.66	153.4	49.60
	-3.0	-3.7	162.0	54.10	162.0	52.96	161.0	51.66	161.0	50.50	161.0	49.32	157.6	48.30
	0.0	-0.7	170.4	51.64	170.4	50.46	169.2	49.30	169.2	48.24	169.2	47.28	157.6	46.34
	3.0	2.2	178.6	49.18	178.6	47.98	177.6	46.92	175.0	45.96	169.6	45.24	157.6	44.38
	5.0	4.1	184.2	47.54	184.2	46.32	181.0	45.34	175.0	44.44	169.6	43.88	157.6	43.08
	7.0	6.0	189.8	45.90	188.6	44.64	181.0	43.76	175.0	42.94	169.6	42.52	157.6	41.76
9.0	7.9	190.6	44.68	188.6	43.46	181.0	42.62	175.0	41.80	169.6	41.40	157.6	40.66	
11.0	9.8	190.6	43.86	188.6	42.68	181.0	41.84	175.0	41.04	169.6	40.64	157.6	39.92	
13.0	11.8	190.6	42.98	188.6	41.80	181.0	40.98	175.0	40.20	169.6	39.82	157.6	39.12	
15.0	13.7	190.6	42.02	188.6	40.88	181.0	40.08	175.0	39.32	169.6	38.94	157.6	38.24	
110	-24.8	-25	89.8	54.26	89.8	54.84	89.2	55.40	89.2	56.26	89.2	56.86	87.4	57.16
	-21.8	-22	110.6	55.14	110.6	55.72	109.8	56.26	109.8	57.14	109.8	57.74	107.8	58.02
	-19.8	-20	117.4	55.72	117.4	56.30	116.6	56.84	116.6	57.70	116.6	58.32	114.4	58.60
	-18.8	-19	120.0	56.00	120.0	56.58	119.2	57.14	119.2	58.00	119.2	58.60	117.0	57.88
	-16.7	-17	125.6	56.60	125.6	57.18	124.8	57.74	124.8	58.60	124.8	57.12	122.4	56.34
	-13.7	-15	133.4	57.48	133.4	58.06	132.6	58.60	132.6	56.36	132.6	54.98	132.6	54.16
	-11.8	-13	137.8	58.02	137.8	58.60	137.0	57.02	137.0	54.92	137.0	53.64	137.0	52.76
	-9.8	-11	142.4	58.60	142.4	56.82	141.6	55.34	141.6	53.42	141.6	52.22	141.0	51.30
	-9.5	-10	143.2	58.32	143.2	56.54	142.4	55.10	142.4	53.20	142.4	52.00	141.8	51.08
	-8.5	-9.1	146.0	57.36	146.0	55.66	145.2	54.26	145.2	52.44	145.2	51.30	141.8	50.36
	-7.0	-7.6	150.2	55.90	150.2	54.30	149.2	53.00	149.2	51.32	149.2	50.22	141.8	49.26
	-5.0	-5.6	155.6	53.98	155.6	52.52	154.6	51.34	154.6	49.82	151.8	48.80	141.8	47.80
	-3.0	-3.7	161.2	52.06	161.2	50.72	160.2	49.66	157.2	48.32	151.8	47.38	141.8	46.34
	0.0	-0.7	169.4	49.16	169.4	48.04	162.4	47.16	157.2	46.06	151.8	45.26	141.8	44.14
	3.0	2.2	177.6	46.26	173.2	45.36	162.4	44.66	157.2	43.80	151.8	43.12	141.8	41.96
	5.0	4.1	183.2	44.34	173.2	43.56	162.4	42.98	157.2	42.30	151.8	41.70	141.8	40.50
	7.0	6.0	183.2	42.42	173.2	41.78	162.4	41.30	157.2	40.80	151.8	40.28	141.8	39.04
9.0	7.9	183.2	41.10	173.2	40.48	162.4	40.04	157.2	39.54	151.8	39.04	141.8	37.84	
11.0	9.8	183.2	40.16	173.2	39.54	162.4	39.10	157.2	38.62	151.8	38.14	141.8	36.96	
13.0	11.8	183.2	39.12	173.2	38.54	162.4	38.10	157.2	37.64	151.8	37.16	141.8	36.02	
15.0	13.7	183.2	38.04	173.2	37.46	162.4	37.04	157.2	36.60	151.8	36.12	141.8	35.02	

# 7. Capacity Tables

Heating Capacity (48HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	89.4	60.24	89.4	60.02	88.8	56.00	88.8	59.50	88.8	59.26	87.0	59.16
	-21.8	-22	110.0	59.92	110.0	59.70	109.4	57.76	109.4	59.16	109.4	59.76	107.2	58.82
	-19.8	-20	116.8	59.70	116.8	59.48	116.2	58.88	116.2	58.94	116.2	59.00	114.0	58.60
	-18.8	-19	119.4	59.58	118.8	59.38	118.8	59.16	118.8	58.84	118.8	58.60	116.4	57.70
	-16.7	-17	124.2	59.36	124.2	59.14	124.2	59.76	123.6	58.60	123.6	56.74	121.2	55.80
	-13.7	-15	132.8	59.04	132.8	58.82	132.0	58.60	132.0	55.92	132.0	54.10	129.6	53.10
	-11.8	-13	137.2	58.82	136.4	58.60	136.4	56.82	136.4	54.22	136.4	52.42	129.6	51.38
	-9.8	-11	141.6	58.60	141.6	56.60	141.0	54.92	141.0	52.42	139.0	50.64	129.6	49.58
	-9.5	-10	142.4	58.30	142.4	56.30	141.8	54.64	141.8	52.16	139.0	50.38	129.6	49.30
	-8.5	-9.1	145.2	57.24	145.2	55.30	144.6	53.70	143.8	51.26	139.0	49.48	129.6	48.40
	-7.0	-7.6	151.8	55.68	151.2	53.80	148.6	52.28	143.8	49.92	139.0	48.16	129.6	47.04
	-5.0	-5.6	158.4	53.60	156.8	51.80	148.6	50.40	143.8	48.14	139.0	46.40	129.6	45.24
	-3.0	-3.7	163.0	51.50	158.2	49.78	148.6	48.52	143.8	46.34	139.0	44.62	129.6	43.44
	0.0	-0.7	167.6	48.38	158.2	46.78	148.6	45.68	143.8	43.66	139.0	41.96	129.6	40.72
	3.0	2.2	167.6	45.24	158.2	43.78	148.6	42.86	143.8	40.96	139.0	39.32	129.6	38.02
	5.0	4.1	167.6	43.14	158.2	41.78	148.6	40.96	143.8	39.18	139.0	37.54	129.6	36.20
	7.0	6.0	167.6	41.06	158.2	39.78	148.6	39.08	143.8	37.38	139.0	35.78	129.6	34.40
9.0	7.9	167.6	39.62	158.2	38.38	148.6	37.72	143.8	36.08	139.0	34.52	129.6	33.20	
11.0	9.8	167.6	38.52	158.2	37.32	148.6	36.66	143.8	35.08	139.0	33.56	129.6	32.28	
13.0	11.8	167.6	37.34	158.2	36.18	148.6	35.54	143.8	34.00	139.0	32.54	129.6	31.30	
15.0	13.7	167.6	36.10	158.2	34.96	148.6	34.36	143.8	32.86	139.0	31.44	129.6	30.24	
90	-24.8	-25	89.0	53.46	89.0	54.32	88.4	54.94	88.4	55.22	88.4	55.80	86.8	56.66
	-21.8	-22	109.6	54.32	109.6	55.20	109.0	55.80	109.0	56.08	109.0	56.66	106.8	54.28
	-19.8	-20	116.4	54.90	116.4	55.76	115.6	56.38	115.6	56.66	115.6	55.04	113.4	52.68
	-18.8	-19	119.4	55.20	118.8	56.06	118.2	56.66	118.2	55.82	118.2	54.22	116.0	51.88
	-16.7	-17	124.2	55.80	124.2	56.66	123.8	54.94	123.8	54.06	123.8	52.50	118.4	50.20
	-13.7	-15	132.8	56.66	132.8	54.10	131.6	52.46	131.6	51.54	127.6	50.06	118.4	47.80
	-11.8	-13	137.2	54.90	136.4	52.46	135.8	50.90	131.8	49.96	127.6	48.50	118.4	46.28
	-9.8	-11	141.6	53.06	141.6	50.76	136.0	49.24	131.8	48.28	127.6	46.88	118.4	44.70
	-9.5	-10	142.4	52.78	142.4	50.50	136.0	49.00	131.8	48.02	127.6	46.64	118.4	44.46
	-8.5	-9.1	145.2	51.86	144.2	49.64	136.0	48.18	131.8	47.18	127.6	45.82	118.4	43.66
	-7.0	-7.6	151.8	50.48	144.4	48.36	136.0	46.94	131.8	45.92	127.6	44.60	118.4	42.46
	-5.0	-5.6	153.4	48.62	144.4	46.64	136.0	45.28	131.8	44.26	127.6	42.96	118.4	40.86
	-3.0	-3.7	153.4	46.78	144.4	44.94	136.0	43.64	131.8	42.58	127.6	41.32	118.4	39.26
	0.0	-0.7	153.4	44.00	144.4	42.36	136.0	41.16	131.8	40.06	127.6	38.88	118.4	36.86
	3.0	2.2	153.4	41.22	144.4	39.80	136.0	38.70	131.8	37.54	127.6	36.44	118.4	34.48
	5.0	4.1	153.4	39.38	144.4	38.08	136.0	37.04	131.8	35.86	127.6	34.80	118.4	32.88
	7.0	6.0	153.4	37.52	144.4	36.36	136.0	35.40	131.8	34.18	127.6	33.16	118.4	31.28
9.0	7.9	153.4	35.78	144.4	34.68	136.0	33.74	131.8	32.60	127.6	31.62	118.4	29.82	
11.0	9.8	153.4	34.02	144.4	32.98	136.0	32.10	131.8	31.00	127.6	30.08	118.4	28.36	
13.0	11.8	153.4	32.28	144.4	31.28	136.0	30.44	131.8	29.40	127.6	28.54	118.4	26.90	
15.0	13.7	153.4	30.54	144.4	29.60	136.0	28.80	131.8	27.82	127.6	26.98	118.4	25.44	
80	-24.8	-25	88.6	47.04	88.6	47.90	88.0	48.52	88.0	48.80	88.0	50.24	86.4	48.14
	-21.8	-22	108.4	47.90	108.4	48.78	108.4	49.38	108.4	50.24	108.4	48.14	105.8	46.12
	-19.8	-20	115.2	48.48	115.2	49.36	115.2	50.24	115.2	48.76	113.8	46.74	105.8	44.76
	-18.8	-19	117.8	48.78	117.8	50.24	117.8	49.50	117.8	48.02	113.8	46.04	105.8	44.08
	-16.7	-17	121.6	50.24	121.6	48.68	121.6	47.92	118.0	46.46	113.8	44.56	105.8	42.66
	-13.7	-15	127.2	47.94	124.6	46.44	121.6	45.66	118.0	44.24	113.8	42.46	105.8	40.64
	-11.8	-13	130.2	46.46	126.4	45.04	121.6	44.24	118.0	42.82	113.8	41.12	105.8	39.36
	-9.8	-11	133.6	44.92	128.2	43.54	121.6	42.74	118.0	41.34	113.8	39.72	105.8	38.00
	-9.5	-10	134.6	44.70	129.0	43.32	121.6	42.52	118.0	41.12	113.8	39.50	105.8	37.80
	-8.5	-9.1	136.0	43.92	129.6	42.58	121.6	41.76	118.0	40.38	113.8	38.80	105.8	37.12
	-7.0	-7.6	137.4	42.76	129.6	41.46	121.6	40.64	118.0	39.26	113.8	37.74	105.8	36.12
	-5.0	-5.6	137.4	41.22	129.6	39.96	121.6	39.12	118.0	37.78	113.8	36.34	105.8	34.76
	-3.0	-3.7	137.4	39.68	129.6	38.48	121.6	37.62	118.0	36.28	113.8	34.94	105.8	33.42
	0.0	-0.7	137.4	37.36	129.6	36.24	121.6	35.38	118.0	34.06	113.8	32.84	105.8	31.38
	3.0	2.2	137.4	35.04	129.6	34.02	121.6	33.12	118.0	31.84	113.8	30.72	105.8	29.36
	5.0	4.1	137.4	33.50	129.6	32.52	121.6	31.62	118.0	30.34	113.8	29.32	105.8	28.00
	7.0	6.0	137.4	31.96	129.6	31.04	121.6	30.12	118.0	28.86	113.8	27.92	105.8	26.66
9.0	7.9	137.4	30.02	129.6	29.14	121.6	28.28	118.0	27.10	113.8	26.22	105.8	25.02	
11.0	9.8	137.4	27.86	129.6	27.04	121.6	26.24	118.0	25.16	113.8	24.32	105.8	23.22	
13.0	11.8	137.4	26.00	129.6	25.24	121.6	24.50	118.0	23.48	113.8	22.70	105.8	21.68	
15.0	13.7	137.4	24.48	129.6	23.76	121.6	23.06	118.0	22.10	113.8	21.38	105.8	20.42	

# 7. Capacity Tables

Heating Capacity (48HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	88.6	47.34	88.6	47.62	88.0	48.20	88.0	49.08	88.0	46.76	86.4	44.62
	-21.8	-22	104.2	48.20	104.2	48.50	103.6	49.08	100.0	46.76	97.0	44.62	90.6	42.52
	-19.8	-20	114.6	48.78	110.0	49.08	103.6	47.46	100.0	45.24	97.0	43.18	90.6	41.12
	-18.8	-19	116.6	49.08	110.0	48.24	103.6	46.64	100.0	44.46	97.0	42.46	90.6	40.44
	-16.7	-17	116.6	47.34	110.0	46.48	103.6	44.96	100.0	42.86	97.0	40.94	90.6	38.98
	-13.7	-15	116.6	44.88	110.0	43.98	103.6	42.54	100.0	40.54	97.0	38.78	90.6	36.88
	-11.8	-13	116.6	43.30	110.0	42.40	103.6	41.00	100.0	39.08	97.0	37.42	90.6	35.56
	-9.8	-11	116.6	41.66	110.0	40.72	103.6	39.38	100.0	37.56	97.0	35.98	90.6	34.16
	-9.5	-10	116.6	41.42	110.0	40.48	103.6	39.14	100.0	37.32	97.0	35.76	90.6	33.96
	-8.5	-9.1	116.6	40.60	110.0	39.64	103.6	38.34	100.0	36.56	97.0	35.04	90.6	33.26
	-7.0	-7.6	116.6	39.36	110.0	38.40	103.6	37.12	100.0	35.40	97.0	33.98	90.6	32.22
	-5.0	-5.6	116.6	37.70	110.0	36.72	103.6	35.50	100.0	33.86	97.0	32.54	90.6	30.82
	-3.0	-3.7	116.6	36.06	110.0	35.06	103.6	33.90	100.0	32.32	97.0	31.10	90.6	29.44
	0.0	-0.7	116.6	33.60	110.0	32.56	103.6	31.46	100.0	30.02	97.0	28.94	90.6	27.34
	3.0	2.2	116.6	31.12	110.0	30.04	103.6	29.04	100.0	27.72	97.0	26.78	90.6	25.26
	5.0	4.1	116.6	29.48	110.0	28.38	103.6	27.44	100.0	26.18	97.0	25.34	90.6	23.86
	7.0	6.0	116.6	27.84	110.0	26.72	103.6	25.82	100.0	24.64	97.0	23.90	90.6	22.48
	9.0	7.9	116.6	25.14	110.0	24.12	103.6	23.32	100.0	22.26	97.0	21.58	90.6	20.30
11.0	9.8	116.6	23.40	110.0	22.46	103.6	21.70	100.0	20.72	97.0	20.10	90.6	18.90	
13.0	11.8	116.6	21.90	110.0	21.02	103.6	20.30	100.0	19.40	97.0	18.80	90.6	17.68	
15.0	13.7	116.6	20.64	110.0	19.82	103.6	19.14	100.0	18.28	97.0	17.72	90.6	16.66	
60	-24.8	-25	88.6	46.76	88.6	47.34	88.0	48.20	85.8	45.74	82.8	43.42	77.6	41.24
	-21.8	-22	95.4	47.62	94.6	48.20	88.8	45.74	85.8	43.42	82.8	41.24	77.6	39.14
	-19.8	-20	100.0	48.20	94.6	46.46	88.8	44.10	85.8	41.88	82.8	39.78	77.6	37.72
	-18.8	-19	100.0	47.32	94.6	45.60	88.8	43.26	85.8	41.10	82.8	39.06	77.6	37.02
	-16.7	-17	100.0	45.48	94.6	43.76	88.8	41.54	85.8	39.48	82.8	37.54	77.6	35.56
	-13.7	-15	100.0	42.86	94.6	41.16	88.8	39.08	85.8	37.16	82.8	35.36	77.6	33.44
	-11.8	-13	100.0	41.18	94.6	39.50	88.8	37.52	85.8	35.70	82.8	33.98	77.6	32.10
	-9.8	-11	100.0	39.42	94.6	37.76	88.8	35.86	85.8	34.16	82.8	32.52	77.6	30.70
	-9.5	-10	100.0	39.16	94.6	37.50	88.8	35.62	85.8	33.92	82.8	32.30	77.6	30.50
	-8.5	-9.1	100.0	38.28	94.6	36.62	88.8	34.80	85.8	33.16	82.8	31.58	77.6	29.78
	-7.0	-7.6	100.0	36.98	94.6	35.32	88.8	33.56	85.8	32.00	82.8	30.50	77.6	28.74
	-5.0	-5.6	100.0	35.22	94.6	33.58	88.8	31.92	85.8	30.46	82.8	29.04	77.6	27.34
	-3.0	-3.7	100.0	33.46	94.6	31.84	88.8	30.28	85.8	28.90	82.8	27.58	77.6	25.92
	0.0	-0.7	100.0	30.82	94.6	29.22	88.8	27.80	85.8	26.60	82.8	25.40	77.6	23.82
	3.0	2.2	100.0	28.20	94.6	26.60	88.8	25.34	85.8	24.28	82.8	23.24	77.6	21.72
	5.0	4.1	100.0	26.44	94.6	24.86	88.8	23.70	85.8	22.74	82.8	21.78	77.6	20.30
	7.0	6.0	100.0	24.68	94.6	23.12	88.8	22.04	85.8	21.18	82.8	20.32	77.6	18.90
	9.0	7.9	100.0	22.02	94.6	20.64	88.8	19.68	85.8	18.90	82.8	18.14	77.6	16.86
11.0	9.8	100.0	20.56	94.6	19.26	88.8	18.36	85.8	17.66	82.8	16.94	77.6	15.74	
13.0	11.8	100.0	19.26	94.6	18.04	88.8	17.20	85.8	16.54	82.8	15.86	77.6	14.76	
15.0	13.7	100.0	18.20	94.6	17.06	88.8	16.26	85.8	15.62	82.8	15.00	77.6	13.94	
50	-24.8	-25	83.4	40.84	78.6	41.72	74.0	39.54	71.6	37.50	69.2	35.58	64.4	33.78
	-21.8	-22	83.4	41.72	78.6	39.54	74.0	37.50	71.6	35.58	69.2	33.78	64.4	32.04
	-19.8	-20	83.4	40.20	78.6	38.08	74.0	36.14	71.6	34.28	69.2	32.58	64.4	30.90
	-18.8	-19	83.4	39.44	78.6	37.36	74.0	35.46	71.6	33.64	69.2	31.98	64.4	30.32
	-16.7	-17	83.4	37.86	78.6	35.84	74.0	34.04	71.6	32.30	69.2	30.72	64.4	29.10
	-13.7	-15	83.4	35.58	78.6	33.66	74.0	32.00	71.6	30.36	69.2	28.92	64.4	27.38
	-11.8	-13	83.4	34.14	78.6	32.28	74.0	30.72	71.6	29.14	69.2	27.78	64.4	26.28
	-9.8	-11	83.4	32.62	78.6	30.84	74.0	29.36	71.6	27.86	69.2	26.60	64.4	25.12
	-9.5	-10	83.4	32.40	78.6	30.62	74.0	29.16	71.6	27.66	69.2	26.42	64.4	24.94
	-8.5	-9.1	83.4	31.64	78.6	29.88	74.0	28.48	71.6	27.02	69.2	25.82	64.4	24.36
	-7.0	-7.6	83.4	30.52	78.6	28.80	74.0	27.46	71.6	26.06	69.2	24.92	64.4	23.50
	-5.0	-5.6	83.4	29.00	78.6	27.36	74.0	26.10	71.6	24.78	69.2	23.72	64.4	22.34
	-3.0	-3.7	83.4	27.48	78.6	25.90	74.0	24.74	71.6	23.48	69.2	22.52	64.4	21.20
	0.0	-0.7	83.4	25.22	78.6	23.72	74.0	22.70	71.6	21.56	69.2	20.72	64.4	19.46
	3.0	2.2	83.4	22.94	78.6	21.54	74.0	20.68	71.6	19.64	69.2	18.92	64.4	17.74
	5.0	4.1	83.4	21.42	78.6	20.10	74.0	19.32	71.6	18.34	69.2	17.74	64.4	16.58
	7.0	6.0	83.4	19.92	78.6	18.64	74.0	17.96	71.6	17.06	69.2	16.54	64.4	15.42
	9.0	7.9	83.4	17.98	78.6	16.84	74.0	16.22	71.6	15.40	69.2	14.94	64.4	13.92
11.0	9.8	83.4	16.82	78.6	15.76	74.0	15.18	71.6	14.42	69.2	13.98	64.4	13.04	
13.0	11.8	83.4	15.80	78.6	14.80	74.0	14.24	71.6	13.54	69.2	13.12	64.4	12.24	
15.0	13.7	83.4	14.94	78.6	14.00	74.0	13.48	71.6	12.80	69.2	12.42	64.4	11.58	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## 7.2.3 3 Units Combination

### ◆ ARUN500BTE5

Heating Capacity (50HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	96.6	52.04	96.6	52.62	96.1	53.11	96.1	53.88	96.1	54.62	94.6	55.76
	-21.8	-22	117.7	53.19	117.7	53.77	116.8	54.27	116.8	55.04	116.8	55.76	115.0	56.92
	-19.8	-20	124.1	53.96	124.1	54.54	123.3	55.04	123.3	55.81	123.3	56.53	121.4	57.68
	-18.8	-19	127.0	54.34	127.0	54.91	126.2	55.42	126.2	56.19	126.2	56.92	124.2	58.08
	-16.7	-17	133.1	55.15	133.1	55.73	132.2	56.22	132.2	56.99	132.2	57.72	130.1	58.88
	-13.7	-15	141.6	56.30	141.6	56.88	140.8	57.38	140.8	58.15	140.8	58.88	138.5	56.59
	-11.8	-13	146.2	57.03	146.2	57.61	145.4	58.11	145.4	58.88	145.4	57.34	143.8	55.13
	-9.8	-11	151.1	57.80	151.1	58.37	150.1	58.88	150.1	57.22	150.1	55.70	149.1	53.60
	-9.5	-10	152.0	57.92	152.0	58.50	151.1	58.62	151.1	56.97	150.9	55.46	150.0	53.37
	-8.5	-9.1	155.1	58.30	155.1	58.88	154.2	57.77	154.2	56.15	153.3	54.64	152.7	52.60
	-7.0	-7.6	159.8	58.88	159.8	57.64	158.7	56.50	158.7	54.91	158.7	53.42	157.3	51.46
	-5.0	-5.6	166.1	57.24	166.1	55.96	165.0	54.80	165.0	53.24	165.0	51.79	162.8	49.93
	-3.0	-3.7	172.3	55.62	172.3	54.29	171.2	53.11	171.2	51.60	171.2	50.16	168.4	48.40
	0.0	-0.7	181.6	53.17	181.6	51.79	180.5	50.55	180.5	49.10	180.5	47.71	176.3	46.11
	3.0	2.2	191.0	50.72	191.0	49.28	189.7	48.00	189.7	46.62	188.2	45.28	176.4	43.81
	5.0	4.1	196.6	49.10	196.6	47.61	195.6	46.30	194.4	44.96	189.4	43.65	176.4	42.28
	7.0	6.0	201.1	47.47	201.1	45.94	199.9	44.60	196.3	43.30	189.4	42.02	176.4	40.75
9.0	7.9	201.9	46.11	201.9	44.62	201.2	43.33	196.3	42.08	189.4	40.81	176.4	39.59	
11.0	9.8	201.9	45.16	201.9	43.71	201.2	42.44	196.3	41.20	189.4	39.97	176.4	38.78	
13.0	11.8	201.9	44.14	201.9	42.73	201.2	41.48	196.3	40.26	189.4	39.07	176.4	37.90	
15.0	13.7	201.9	43.04	201.9	41.65	201.2	40.44	196.3	39.26	189.4	38.10	176.4	36.96	
120	-24.8	-25	96.0	52.62	96.0	53.11	95.4	53.88	95.4	54.62	95.4	55.76	93.9	56.57
	-21.8	-22	116.8	53.77	116.8	54.27	116.0	55.04	116.0	55.76	116.0	56.92	114.3	57.72
	-19.8	-20	123.2	54.54	123.2	55.04	122.4	55.81	122.4	56.53	122.4	57.68	120.5	58.50
	-18.8	-19	126.1	54.91	126.1	55.42	125.2	56.19	125.2	56.92	125.2	58.08	123.3	58.88
	-16.7	-17	132.1	55.73	132.1	56.22	131.3	56.99	131.3	57.72	131.3	58.88	129.1	57.40
	-13.7	-15	140.5	56.88	140.5	57.38	139.7	58.15	139.7	58.88	139.7	56.67	137.5	55.30
	-11.8	-13	145.1	57.61	145.1	58.11	144.3	58.88	144.3	57.31	144.3	55.28	142.7	53.96
	-9.8	-11	150.0	58.37	150.0	58.88	149.1	57.15	149.1	55.68	149.1	53.81	148.1	52.56
	-9.5	-10	151.0	58.50	151.0	58.61	150.1	56.90	150.1	55.43	150.1	53.59	149.1	52.34
	-8.5	-9.1	154.1	58.88	154.1	57.69	153.0	56.04	153.0	54.61	153.0	52.86	151.9	51.63
	-7.0	-7.6	158.7	57.52	158.7	56.32	157.7	54.74	157.7	53.38	157.5	51.76	156.2	50.58
	-5.0	-5.6	164.9	55.70	164.9	54.50	163.8	53.02	163.8	51.74	163.8	50.29	161.8	49.18
	-3.0	-3.7	171.1	53.88	171.1	52.67	170.0	51.30	170.0	50.09	170.0	48.83	165.7	47.78
	0.0	-0.7	180.3	51.15	180.3	49.94	179.1	48.73	179.1	47.63	177.9	46.62	165.7	45.67
	3.0	2.2	189.6	48.41	189.6	47.21	187.5	46.14	184.0	45.16	178.2	44.42	165.7	43.56
	5.0	4.1	195.2	46.59	194.7	45.39	190.3	44.41	184.0	43.52	178.2	42.95	165.7	42.15
	7.0	6.0	199.7	44.76	198.2	43.55	190.3	42.69	184.0	41.88	178.2	41.48	165.7	40.74
9.0	7.9	200.3	43.39	198.2	42.21	190.3	41.39	184.0	40.59	178.2	40.20	165.7	39.49	
11.0	9.8	200.3	42.39	198.2	41.24	190.3	40.43	184.0	39.66	178.2	39.28	165.7	38.58	
13.0	11.8	200.3	41.32	198.2	40.20	190.3	39.40	184.0	38.65	178.2	38.28	165.7	37.61	
15.0	13.7	200.3	40.17	198.2	39.08	190.3	38.31	184.0	37.59	178.2	37.23	165.7	36.56	
110	-24.8	-25	95.5	53.11	95.5	53.88	94.9	54.62	94.9	55.76	94.9	56.57	93.4	56.95
	-21.8	-22	116.2	54.27	116.2	55.04	115.4	55.76	115.4	56.92	115.4	57.72	113.7	58.11
	-19.8	-20	122.6	55.04	122.6	55.81	121.8	56.53	121.8	57.68	121.8	58.50	119.9	58.88
	-18.8	-19	125.4	55.42	125.4	56.19	124.5	56.92	124.5	58.08	124.5	58.88	122.7	58.10
	-16.7	-17	131.4	56.22	131.4	56.99	130.6	57.72	130.6	58.88	130.6	57.29	128.4	56.47
	-13.7	-15	139.8	57.38	139.8	58.15	138.9	58.88	138.9	56.47	138.9	55.00	138.9	54.15
	-11.8	-13	144.4	58.11	144.4	58.88	143.5	57.17	143.5	54.94	143.5	53.56	143.5	52.66
	-9.8	-11	149.2	58.88	149.2	56.95	148.3	55.38	148.3	53.33	148.3	52.05	148.0	51.12
	-9.5	-10	150.1	58.57	150.1	56.66	149.3	55.11	149.3	53.09	149.3	51.82	148.8	50.88
	-8.5	-9.1	153.2	57.53	153.2	55.70	152.3	54.21	152.3	52.28	152.3	51.06	149.1	50.11
	-7.0	-7.6	157.9	55.96	157.9	54.25	156.9	52.86	156.9	51.07	156.9	49.92	149.1	48.94
	-5.0	-5.6	164.0	53.88	164.0	52.32	162.9	51.07	162.9	49.47	159.6	48.40	149.1	47.40
	-3.0	-3.7	170.1	51.80	170.1	50.39	168.9	49.27	165.2	47.86	159.6	46.88	149.1	45.84
	0.0	-0.7	179.4	48.67	179.0	47.50	170.7	46.58	165.2	45.44	159.6	44.61	149.1	43.51
	3.0	2.2	188.1	45.54	182.0	44.61	170.7	43.89	165.2	43.02	159.6	42.33	149.1	41.18
	5.0	4.1	192.5	43.45	182.0	42.68	170.7	42.09	165.2	41.41	159.6	40.81	149.1	39.64
	7.0	6.0	192.6	41.38	182.0	40.75	170.7	40.29	165.2	39.80	159.6	39.29	149.1	38.08
9.0	7.9	192.6	39.92	182.0	39.32	170.7	38.89	165.2	38.40	159.6	37.92	149.1	36.75	
11.0	9.8	192.6	38.82	182.0	38.23	170.7	37.80	165.2	37.34	159.6	36.86	149.1	35.73	
13.0	11.8	192.6	37.63	182.0	37.07	170.7	36.65	165.2	36.21	159.6	35.74	149.1	34.64	
15.0	13.7	192.6	36.38	182.0	35.83	170.7	35.43	165.2	35.00	159.6	34.54	149.1	33.48	

# 7. Capacity Tables

Heating Capacity (50HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	95.1	59.05	95.1	59.03	94.5	55.67	94.5	58.98	94.5	58.95	93.0	58.95
	-21.8	-22	115.6	59.02	115.6	59.00	115.0	57.43	115.0	58.94	115.0	59.75	113.1	58.90
	-19.8	-20	122.0	59.00	122.0	58.98	121.3	58.56	121.3	58.92	121.3	59.17	119.4	58.88
	-18.8	-19	124.8	58.98	124.1	58.97	124.1	58.94	124.1	58.91	124.1	58.88	122.1	57.94
	-16.7	-17	130.0	58.96	130.0	58.94	130.0	59.75	129.3	58.88	129.3	56.92	127.2	55.95
	-13.7	-15	139.1	58.93	139.1	58.91	138.3	58.88	138.3	56.04	138.3	54.14	136.3	53.12
	-11.8	-13	143.7	58.90	142.9	58.88	142.9	56.98	142.9	54.24	142.9	52.37	136.3	51.32
	-9.8	-11	148.4	58.88	148.4	56.74	147.7	54.97	147.7	52.35	146.2	50.52	136.3	49.44
	-9.5	-10	149.3	58.54	149.3	56.42	148.6	54.66	148.6	52.07	146.2	50.24	136.3	49.14
	-8.5	-9.1	152.4	57.41	152.4	55.36	151.7	53.66	151.2	51.12	146.2	49.30	136.3	48.21
	-7.0	-7.6	159.6	55.74	159.0	53.76	156.2	52.16	151.2	49.70	146.2	47.91	136.3	46.79
	-5.0	-5.6	166.5	53.50	164.9	51.62	156.2	50.16	151.2	47.82	146.2	46.05	136.3	44.90
	-3.0	-3.7	171.4	51.26	166.2	49.47	156.2	48.16	151.2	45.92	146.2	44.19	136.3	43.01
	0.0	-0.7	176.1	47.90	166.2	46.27	156.2	45.13	151.2	43.09	146.2	41.40	136.3	40.17
	3.0	2.2	176.1	44.54	166.2	43.07	156.2	42.13	151.2	40.25	146.2	38.62	136.3	37.34
	5.0	4.1	176.1	42.29	166.2	40.93	156.2	40.12	151.2	38.36	146.2	36.75	136.3	35.44
	7.0	6.0	176.1	40.06	166.2	38.80	156.2	38.12	151.2	36.47	146.2	34.90	136.3	33.55
	9.0	7.9	176.1	38.40	166.2	37.20	156.2	36.56	151.2	34.96	146.2	33.46	136.3	32.18
	11.0	9.8	176.1	37.07	166.2	35.91	156.2	35.28	151.2	33.76	146.2	32.29	136.3	31.06
	13.0	11.8	176.1	35.65	166.2	34.54	156.2	33.94	151.2	32.46	146.2	31.06	136.3	29.88
15.0	13.7	176.1	34.16	166.2	33.08	156.2	32.52	151.2	31.11	146.2	29.76	136.3	28.62	
90	-24.8	-25	94.7	52.38	94.7	53.53	94.1	54.34	94.1	54.73	94.1	55.49	92.7	56.64
	-21.8	-22	115.2	53.53	115.2	54.69	114.6	55.49	114.6	55.87	114.6	56.64	112.6	54.18
	-19.8	-20	121.6	54.30	121.6	55.44	120.8	56.26	120.8	56.64	120.8	54.96	118.9	52.54
	-18.8	-19	124.8	54.69	124.1	55.84	123.6	56.64	123.6	55.77	123.6	54.11	121.7	51.71
	-16.7	-17	130.0	55.49	130.0	56.64	129.4	54.85	129.4	53.95	129.4	52.34	124.4	49.98
	-13.7	-15	139.1	56.64	139.1	53.97	137.9	52.27	137.9	51.33	134.0	49.82	124.4	47.52
	-11.8	-13	143.7	54.80	142.9	52.26	142.3	50.64	138.5	49.69	134.0	48.20	124.4	45.95
	-9.8	-11	148.4	52.87	148.4	50.48	143.0	48.93	138.5	47.95	134.0	46.53	124.4	44.32
	-9.5	-10	149.3	52.58	149.3	50.21	143.0	48.67	138.5	47.69	134.0	46.27	124.4	44.08
	-8.5	-9.1	152.4	51.62	151.3	49.32	143.0	47.82	138.5	46.82	134.0	45.43	124.4	43.25
	-7.0	-7.6	159.6	50.16	151.8	47.98	143.0	46.52	138.5	45.51	134.0	44.16	124.4	42.02
	-5.0	-5.6	161.3	48.22	151.8	46.19	143.0	44.80	138.5	43.79	134.0	42.48	124.4	40.37
	-3.0	-3.7	161.3	46.29	151.8	44.41	143.0	43.10	138.5	42.04	134.0	40.78	124.4	38.73
	0.0	-0.7	161.3	43.38	151.8	41.72	143.0	40.52	138.5	39.43	134.0	38.26	124.4	36.26
	3.0	2.2	161.3	40.48	151.8	39.06	143.0	37.96	138.5	36.82	134.0	35.73	124.4	33.80
	5.0	4.1	161.3	38.55	151.8	37.26	143.0	36.24	138.5	35.08	134.0	34.05	124.4	32.15
	7.0	6.0	161.3	36.60	151.8	35.47	143.0	34.53	138.5	33.34	134.0	32.35	124.4	30.51
	9.0	7.9	161.3	34.79	151.8	33.71	143.0	32.81	138.5	31.69	134.0	30.75	124.4	29.00
	11.0	9.8	161.3	32.96	151.8	31.95	143.0	31.10	138.5	30.04	134.0	29.15	124.4	27.48
	13.0	11.8	161.3	31.15	151.8	30.19	143.0	29.37	138.5	28.37	134.0	27.53	124.4	25.96
15.0	13.7	161.3	29.33	151.8	28.43	143.0	27.66	138.5	26.73	134.0	25.92	124.4	24.44	
80	-24.8	-25	94.3	45.96	94.3	47.11	93.7	47.93	93.7	48.30	93.7	50.23	92.3	48.06
	-21.8	-22	113.9	47.11	113.9	48.27	113.9	49.07	113.9	50.23	113.9	48.06	111.2	45.98
	-19.8	-20	120.3	47.88	120.3	49.04	120.3	50.23	120.3	48.69	119.3	46.61	111.2	44.59
	-18.8	-19	123.1	48.27	123.1	50.23	123.1	49.45	123.1	47.93	119.5	45.89	111.2	43.89
	-16.7	-17	127.8	50.23	127.8	48.60	127.8	47.82	124.0	46.32	119.5	44.37	111.2	42.43
	-13.7	-15	133.6	47.82	131.0	46.28	127.8	45.48	124.0	44.02	119.5	42.21	111.2	40.35
	-11.8	-13	137.0	46.28	132.9	44.82	127.8	44.00	124.0	42.56	119.5	40.83	111.2	39.04
	-9.8	-11	140.6	44.68	134.9	43.26	127.8	42.45	124.0	41.04	119.5	39.38	111.2	37.65
	-9.5	-10	141.6	44.44	135.6	43.03	127.8	42.22	124.0	40.81	119.5	39.16	111.2	37.45
	-8.5	-9.1	143.1	43.64	136.2	42.26	127.8	41.44	124.0	40.03	119.5	38.44	111.2	36.75
	-7.0	-7.6	144.5	42.43	136.2	41.10	127.8	40.27	124.0	38.88	119.5	37.35	111.2	35.72
	-5.0	-5.6	144.5	40.83	136.2	39.55	127.8	38.71	124.0	37.36	119.5	35.91	111.2	34.32
	-3.0	-3.7	144.5	39.21	136.2	38.00	127.8	37.15	124.0	35.81	119.5	34.46	111.2	32.94
	0.0	-0.7	144.5	36.80	136.2	35.68	127.8	34.82	124.0	33.52	119.5	32.29	111.2	30.85
	3.0	2.2	144.5	34.39	136.2	33.37	127.8	32.49	124.0	31.22	119.5	30.12	111.2	28.78
	5.0	4.1	144.5	32.78	136.2	31.81	127.8	30.94	124.0	29.69	119.5	28.68	111.2	27.38
	7.0	6.0	144.5	31.18	136.2	30.27	127.8	29.38	124.0	28.15	119.5	27.23	111.2	26.00
	9.0	7.9	144.5	29.28	136.2	28.42	127.8	27.59	124.0	26.44	119.5	25.57	111.2	24.41
	11.0	9.8	144.5	27.18	136.2	26.37	127.8	25.60	124.0	24.54	119.5	23.73	111.2	22.65
	13.0	11.8	144.5	25.36	136.2	24.63	127.8	23.90	124.0	22.91	119.5	22.15	111.2	21.15
15.0	13.7	144.5	23.88	136.2	23.18	127.8	22.50	124.0	21.56	119.5	20.85	111.2	19.92	



# 7. Capacity Tables

## Heating Capacity (50HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	94.3	46.59	94.3	46.97	93.7	47.75	93.7	48.90	93.7	46.55	92.2	44.37
	-21.8	-22	109.5	47.75	109.5	48.13	108.8	48.90	105.1	46.55	102.0	44.37	95.2	42.24
	-19.8	-20	119.7	48.51	115.7	48.90	108.8	47.25	105.1	44.99	102.0	42.90	95.2	40.83
	-18.8	-19	122.3	48.90	115.7	48.04	108.8	46.42	105.1	44.21	102.0	42.18	95.2	40.13
	-16.7	-17	122.5	47.13	115.7	46.26	108.8	44.70	105.1	42.57	102.0	40.63	95.2	38.65
	-13.7	-15	122.5	44.61	115.7	43.69	108.8	42.24	105.1	40.22	102.0	38.44	95.2	36.53
	-11.8	-13	122.5	42.99	115.7	42.08	108.8	40.67	105.1	38.73	102.0	37.06	95.2	35.19
	-9.8	-11	122.5	41.31	115.7	40.37	108.8	39.02	105.1	37.18	102.0	35.59	95.2	33.77
	-9.5	-10	122.5	41.06	115.7	40.12	108.8	38.77	105.1	36.94	102.0	35.37	95.2	33.56
	-8.5	-9.1	122.5	40.22	115.7	39.26	108.8	37.95	105.1	36.16	102.0	34.64	95.2	32.85
	-7.0	-7.6	122.5	38.95	115.7	37.99	108.8	36.71	105.1	34.98	102.0	33.55	95.2	31.80
	-5.0	-5.6	122.5	37.26	115.7	36.28	108.8	35.06	105.1	33.42	102.0	32.09	95.2	30.39
	-3.0	-3.7	122.5	35.57	115.7	34.58	108.8	33.42	105.1	31.85	102.0	30.63	95.2	28.98
	0.0	-0.7	122.5	33.05	115.7	32.03	108.8	30.95	105.1	29.51	102.0	28.44	95.2	26.85
	3.0	2.2	122.5	30.52	115.7	29.46	108.8	28.48	105.1	27.17	102.0	26.24	95.2	24.75
	5.0	4.1	122.5	28.84	115.7	27.76	108.8	26.84	105.1	25.60	102.0	24.78	95.2	23.33
	7.0	6.0	122.5	27.15	115.7	26.06	108.8	25.19	105.1	24.04	102.0	23.32	95.2	21.92
	9.0	7.9	122.5	24.52	115.7	23.52	108.8	22.74	105.1	21.71	102.0	21.05	95.2	19.80
	11.0	9.8	122.5	22.83	115.7	21.91	108.8	21.17	105.1	20.21	102.0	19.61	95.2	18.43
	13.0	11.8	122.5	21.36	115.7	20.50	108.8	19.81	105.1	18.92	102.0	18.34	95.2	17.25
15.0	13.7	122.5	20.14	115.7	19.33	108.8	18.68	105.1	17.83	102.0	17.29	95.2	16.25	
60	-24.8	-25	93.5	45.82	93.5	46.59	92.9	47.75	90.2	45.27	87.1	42.95	81.5	40.77
	-21.8	-22	100.4	46.97	99.5	47.75	93.3	45.27	90.2	42.95	87.1	40.77	81.5	38.66
	-19.8	-20	105.1	47.75	99.5	46.00	93.3	43.62	90.2	41.40	87.1	39.30	81.5	37.25
	-18.8	-19	105.1	46.86	99.5	45.12	93.3	42.79	90.2	40.62	87.1	38.59	81.5	36.55
	-16.7	-17	105.1	45.00	99.5	43.28	93.3	41.06	90.2	39.00	87.1	37.06	81.5	35.09
	-13.7	-15	105.1	42.37	99.5	40.67	93.3	38.59	90.2	36.68	87.1	34.88	81.5	32.97
	-11.8	-13	105.1	40.68	99.5	39.00	93.3	37.03	90.2	35.21	87.1	33.49	81.5	31.64
	-9.8	-11	105.1	38.91	99.5	37.25	93.3	35.36	90.2	33.67	87.1	32.04	81.5	30.23
	-9.5	-10	105.1	38.65	99.5	36.99	93.3	35.12	90.2	33.43	87.1	31.82	81.5	30.03
	-8.5	-9.1	105.1	37.76	99.5	36.11	93.3	34.29	90.2	32.66	87.1	31.09	81.5	29.32
	-7.0	-7.6	105.1	36.45	99.5	34.80	93.3	33.06	90.2	31.50	87.1	30.01	81.5	28.27
	-5.0	-5.6	105.1	34.68	99.5	33.05	93.3	31.41	90.2	29.95	87.1	28.55	81.5	26.86
	-3.0	-3.7	105.1	32.91	99.5	31.30	93.3	29.76	90.2	28.40	87.1	27.09	81.5	25.46
	0.0	-0.7	105.1	30.26	99.5	28.68	93.3	27.28	90.2	26.08	87.1	24.91	81.5	23.35
	3.0	2.2	105.1	27.62	99.5	26.05	93.3	24.80	90.2	23.77	87.1	22.74	81.5	21.25
	5.0	4.1	105.1	25.84	99.5	24.30	93.3	23.16	90.2	22.22	87.1	21.28	81.5	19.84
	7.0	6.0	105.1	24.08	99.5	22.55	93.3	21.50	90.2	20.66	87.1	19.82	81.5	18.43
	9.0	7.9	105.1	21.48	99.5	20.12	93.3	19.19	90.2	18.43	87.1	17.69	81.5	16.44
	11.0	9.8	105.1	20.06	99.5	18.79	93.3	17.91	90.2	17.22	87.1	16.52	81.5	15.35
	13.0	11.8	105.1	18.79	99.5	17.60	93.3	16.78	90.2	16.13	87.1	15.47	81.5	14.39
15.0	13.7	105.1	17.75	99.5	16.64	93.3	15.87	90.2	15.24	87.1	14.63	81.5	13.60	
50	-24.8	-25	87.7	40.54	82.7	41.70	77.7	39.48	75.2	37.41	72.7	35.45	67.7	33.63
	-21.8	-22	87.7	41.70	82.7	39.48	77.7	37.41	75.2	35.45	72.7	33.63	67.7	31.87
	-19.8	-20	87.7	40.15	82.7	38.00	77.7	36.02	75.2	34.14	72.7	32.41	67.7	30.71
	-18.8	-19	87.7	39.37	82.7	37.26	77.7	35.34	75.2	33.48	72.7	31.80	67.7	30.12
	-16.7	-17	87.7	37.76	82.7	35.71	77.7	33.89	75.2	32.12	72.7	30.52	67.7	28.89
	-13.7	-15	87.7	35.43	82.7	33.49	77.7	31.82	75.2	30.16	72.7	28.70	67.7	27.15
	-11.8	-13	87.7	33.96	82.7	32.09	77.7	30.50	75.2	28.91	72.7	27.55	67.7	26.03
	-9.8	-11	87.7	32.41	82.7	30.61	77.7	29.12	75.2	27.62	72.7	26.34	67.7	24.86
	-9.5	-10	87.7	32.18	82.7	30.39	77.7	28.91	75.2	27.42	72.7	26.16	67.7	24.69
	-8.5	-9.1	87.7	31.41	82.7	29.64	77.7	28.23	75.2	26.76	72.7	25.54	67.7	24.10
	-7.0	-7.6	87.7	30.26	82.7	28.54	77.7	27.19	75.2	25.79	72.7	24.64	67.7	23.22
	-5.0	-5.6	87.7	28.70	82.7	27.06	77.7	25.81	75.2	24.48	72.7	23.42	67.7	22.05
	-3.0	-3.7	87.7	27.16	82.7	25.59	77.7	24.42	75.2	23.17	72.7	22.21	67.7	20.89
	0.0	-0.7	87.7	24.85	82.7	23.36	77.7	22.34	75.2	21.22	72.7	20.38	67.7	19.13
	3.0	2.2	87.7	22.52	82.7	21.14	77.7	20.29	75.2	19.25	72.7	18.55	67.7	17.39
	5.0	4.1	87.7	20.97	82.7	19.66	77.7	18.90	75.2	17.95	72.7	17.35	67.7	16.22
	7.0	6.0	87.7	19.43	82.7	18.19	77.7	17.52	75.2	16.64	72.7	16.13	67.7	15.05
	9.0	7.9	87.7	17.54	82.7	16.43	77.7	15.82	75.2	15.02	72.7	14.57	67.7	13.58
	11.0	9.8	87.7	16.41	82.7	15.37	77.7	14.80	75.2	14.07	72.7	13.63	67.7	12.71
	13.0	11.8	87.7	15.42	82.7	14.43	77.7	13.89	75.2	13.21	72.7	12.80	67.7	11.94
15.0	13.7	87.7	14.57	82.7	13.66	77.7	13.15	75.2	12.49	72.7	12.11	67.7	11.30	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN520BTE5

Heating Capacity (52HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	98.0	52.80	98.0	53.50	97.4	54.11	97.4	55.05	97.4	55.95	96.5	57.34
	-21.8	-22	119.6	54.20	119.6	54.91	118.8	55.53	118.8	56.46	118.8	57.34	117.6	58.76
	-19.8	-20	126.3	55.14	126.3	55.85	125.5	56.46	125.5	57.40	125.5	58.28	124.3	59.69
	-18.8	-19	129.4	55.61	129.4	56.31	128.6	56.92	128.6	57.86	128.6	58.76	127.3	60.17
	-16.7	-17	135.7	56.60	135.7	57.31	134.9	57.91	134.9	58.85	134.9	59.74	133.5	61.15
	-13.7	-15	144.7	58.01	144.7	58.70	143.8	59.32	143.8	60.26	143.8	61.15	142.3	58.83
	-11.8	-13	149.5	58.90	149.5	59.60	148.6	60.21	148.6	61.15	148.6	59.59	147.6	57.35
	-9.8	-11	154.6	59.83	154.6	60.53	153.6	61.15	153.6	59.48	153.6	57.94	152.9	55.80
	-9.5	-10	155.7	59.98	155.7	60.69	154.8	60.89	154.8	59.23	154.3	57.70	153.7	55.57
	-8.5	-9.1	159.9	60.45	159.9	61.15	159.0	60.04	159.0	58.40	156.9	56.87	156.4	54.80
	-7.0	-7.6	166.3	61.15	166.3	59.91	165.1	58.76	165.1	57.15	165.1	55.64	162.2	53.64
	-5.0	-5.6	174.7	59.53	174.7	58.23	173.5	57.06	173.5	55.47	173.5	53.99	168.0	52.09
	-3.0	-3.7	183.1	57.92	183.1	56.57	181.9	55.36	181.9	53.82	181.9	52.35	173.9	50.54
	0.0	-0.7	195.6	55.49	195.6	54.07	194.3	52.80	193.2	51.31	191.0	49.87	182.6	48.22
	3.0	2.2	202.7	53.07	202.7	51.57	201.6	50.25	200.0	48.81	196.3	47.42	183.5	45.89
	5.0	4.1	206.7	51.46	206.7	49.90	205.8	48.54	203.0	47.14	197.0	45.77	183.5	44.34
	7.0	6.0	209.5	49.84	209.5	48.24	208.5	46.84	204.2	45.47	197.0	44.13	183.5	42.80
9.0	7.9	210.0	48.51	210.0	46.94	209.3	45.59	204.2	44.26	197.0	42.93	183.5	41.65	
11.0	9.8	210.0	47.60	210.0	46.07	209.3	44.73	204.2	43.42	197.0	42.13	183.5	40.87	
13.0	11.8	210.0	46.62	210.0	45.13	209.3	43.81	204.2	42.53	197.0	41.27	183.5	40.04	
15.0	13.7	210.0	45.56	210.0	44.10	209.3	42.82	204.2	41.57	197.0	40.33	183.5	39.13	
120	-24.8	-25	97.4	53.50	97.4	54.11	96.7	55.05	96.7	55.95	96.7	57.34	95.8	58.33
	-21.8	-22	118.8	54.91	118.8	55.53	118.0	56.46	118.0	57.34	118.0	58.76	116.9	59.74
	-19.8	-20	125.5	55.85	125.5	56.46	124.6	57.40	124.6	58.28	124.6	59.69	123.4	60.69
	-18.8	-19	128.4	56.31	128.4	56.92	127.6	57.86	127.6	58.76	127.6	60.17	126.4	61.15
	-16.7	-17	134.7	57.31	134.7	57.91	133.9	58.85	133.9	59.74	133.9	61.15	132.5	59.65
	-13.7	-15	143.6	58.70	143.6	59.32	142.7	60.26	142.7	61.15	142.7	58.92	141.3	57.52
	-11.8	-13	148.4	59.60	148.4	60.21	147.5	61.15	147.5	59.57	147.5	57.51	146.5	56.17
	-9.8	-11	153.4	60.53	153.4	61.15	152.5	59.41	152.5	57.92	152.5	56.02	151.8	54.75
	-9.5	-10	154.7	60.69	154.7	60.88	153.8	59.16	153.8	57.66	153.8	55.81	153.1	54.53
	-8.5	-9.1	158.9	61.15	158.9	59.95	157.8	58.29	157.8	56.83	157.3	55.07	156.5	53.81
	-7.0	-7.6	165.1	59.78	165.1	58.58	164.1	56.98	164.1	55.60	162.0	53.95	161.0	52.75
	-5.0	-5.6	173.5	57.96	173.5	56.74	172.3	55.24	172.3	53.94	172.3	52.46	166.9	51.32
	-3.0	-3.7	181.7	56.14	181.7	54.91	180.6	53.51	180.6	52.28	179.7	50.99	171.7	49.91
	0.0	-0.7	194.2	53.40	193.7	52.16	190.3	50.92	188.3	49.78	185.2	48.76	172.3	47.77
	3.0	2.2	201.2	50.66	200.5	49.41	196.3	48.30	191.4	47.29	185.4	46.53	172.3	45.63
	5.0	4.1	205.2	48.84	204.0	47.58	198.0	46.57	191.4	45.63	185.4	45.04	172.3	44.21
	7.0	6.0	208.0	47.01	206.2	45.73	198.0	44.83	191.4	43.98	185.4	43.56	172.3	42.78
9.0	7.9	208.4	45.64	206.2	44.40	198.0	43.54	191.4	42.69	185.4	42.29	172.3	41.54	
11.0	9.8	208.4	44.67	206.2	43.46	198.0	42.61	191.4	41.79	185.4	41.39	172.3	40.65	
13.0	11.8	208.4	43.63	206.2	42.44	198.0	41.61	191.4	40.81	185.4	40.42	172.3	39.71	
15.0	13.7	208.4	42.51	206.2	41.36	198.0	40.54	191.4	39.77	185.4	39.40	172.3	38.69	
110	-24.8	-25	96.8	54.11	96.8	55.05	96.3	55.95	96.3	57.34	96.3	58.33	95.3	58.80
	-21.8	-22	118.2	55.53	118.2	56.46	117.4	57.34	117.4	58.76	117.4	59.74	116.3	60.21
	-19.8	-20	124.8	56.46	124.8	57.40	124.0	58.28	124.0	59.69	124.0	60.69	122.7	61.15
	-18.8	-19	127.7	56.92	127.7	57.86	126.9	58.76	126.9	60.17	126.9	61.15	125.7	60.36
	-16.7	-17	134.0	57.91	134.0	58.85	133.2	59.74	133.2	61.15	133.2	59.53	131.8	58.70
	-13.7	-15	142.9	59.32	142.9	60.26	141.9	61.15	141.9	58.70	141.9	57.21	141.9	56.34
	-11.8	-13	147.6	60.21	147.6	61.15	146.7	59.42	146.7	57.15	146.7	55.75	146.7	54.83
	-9.8	-11	152.6	61.15	152.6	59.19	151.7	57.60	151.7	55.52	151.7	54.21	151.4	53.25
	-9.5	-10	153.8	60.84	153.8	58.90	153.0	57.33	153.0	55.27	153.0	53.98	152.7	53.01
	-8.5	-9.1	158.0	59.79	158.0	57.93	157.0	56.42	157.0	54.45	156.7	53.21	154.5	52.23
	-7.0	-7.6	164.2	58.19	164.2	56.46	163.2	55.04	163.2	53.22	161.7	52.05	155.1	51.04
	-5.0	-5.6	172.5	56.10	172.5	54.51	171.3	53.23	170.3	51.60	165.1	50.51	155.1	49.47
	-3.0	-3.7	180.7	53.99	180.7	52.55	176.5	51.41	171.9	49.97	166.0	48.97	155.1	47.88
	0.0	-0.7	191.2	50.82	187.4	49.63	177.6	48.68	171.9	47.51	166.0	46.66	155.1	45.51
	3.0	2.2	197.5	47.66	189.3	46.70	177.6	45.96	171.9	45.06	166.0	44.34	155.1	43.15
	5.0	4.1	200.3	45.55	189.3	44.75	177.6	44.13	171.9	43.43	166.0	42.80	155.1	41.57
	7.0	6.0	200.3	43.45	189.3	42.79	177.6	42.31	171.9	41.79	166.0	41.26	155.1	39.99
9.0	7.9	200.3	41.99	189.3	41.35	177.6	40.90	171.9	40.39	166.0	39.88	155.1	38.65	
11.0	9.8	200.3	40.90	189.3	40.28	177.6	39.83	171.9	39.35	166.0	38.84	155.1	37.65	
13.0	11.8	200.3	39.73	189.3	39.14	177.6	38.69	171.9	38.22	166.0	37.73	155.1	36.57	
15.0	13.7	200.3	38.49	189.3	37.91	177.6	37.49	171.9	37.03	166.0	36.55	155.1	35.42	

# 7. Capacity Tables

Heating Capacity (52HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	96.4	60.16	96.4	60.29	95.8	57.36	95.8	60.62	95.8	60.75	94.8	60.83
	-21.8	-22	117.5	60.36	117.5	60.49	116.9	59.17	116.9	60.81	116.9	61.80	115.6	61.01
	-19.8	-20	124.2	60.49	124.2	60.63	123.5	60.35	123.5	60.95	123.5	61.37	122.3	61.15
	-18.8	-19	127.2	60.55	126.4	60.69	126.4	60.81	126.4	61.01	126.4	61.15	125.1	60.19
	-16.7	-17	132.6	60.69	132.6	60.83	132.6	61.80	131.9	61.15	131.9	59.15	130.5	58.15
	-13.7	-15	142.2	60.89	142.2	61.03	141.3	61.15	141.3	58.26	141.3	56.31	140.0	55.25
	-11.8	-13	146.9	61.01	146.1	61.15	146.1	59.22	146.1	56.42	146.1	54.50	141.5	53.42
	-9.8	-11	151.7	61.15	151.7	58.98	151.1	57.17	151.1	54.49	150.1	52.60	141.7	51.49
	-9.5	-10	153.0	60.81	153.0	58.65	152.3	56.86	152.3	54.20	150.7	52.32	141.7	51.19
	-8.5	-9.1	157.1	59.66	157.1	57.57	156.4	55.84	157.3	53.24	152.1	51.36	141.7	50.23
	-7.0	-7.6	166.0	57.96	165.4	55.94	162.5	54.31	157.3	51.79	152.1	49.94	141.7	48.78
	-5.0	-5.6	173.3	55.70	171.5	53.77	162.5	52.28	157.3	49.87	152.1	48.04	141.7	46.84
	-3.0	-3.7	178.3	53.42	172.9	51.59	162.5	50.24	157.3	47.94	152.1	46.14	141.7	44.91
	0.0	-0.7	183.3	50.02	172.9	48.34	162.5	47.17	157.3	45.05	152.1	43.29	141.7	42.01
	3.0	2.2	183.3	46.61	172.9	45.08	162.5	44.11	157.3	42.15	152.1	40.45	141.7	39.11
	5.0	4.1	183.3	44.33	172.9	42.91	162.5	42.07	157.3	40.23	152.1	38.54	141.7	37.17
	7.0	6.0	183.3	42.06	172.9	40.74	162.5	40.03	157.3	38.30	152.1	36.65	141.7	35.23
	9.0	7.9	183.3	40.36	172.9	39.09	162.5	38.42	157.3	36.74	152.1	35.16	141.7	33.82
	11.0	9.8	183.3	38.99	172.9	37.78	162.5	37.11	157.3	35.51	152.1	33.97	141.7	32.67
	13.0	11.8	183.3	37.54	172.9	36.37	162.5	35.73	157.3	34.18	152.1	32.71	141.7	31.46
15.0	13.7	183.3	36.01	172.9	34.87	162.5	34.27	157.3	32.79	152.1	31.37	141.7	30.17	
90	-24.8	-25	96.0	53.38	96.0	54.79	95.4	55.78	95.4	56.25	95.4	57.19	94.5	58.58
	-21.8	-22	117.1	54.79	117.1	56.20	116.5	57.19	116.5	57.64	116.5	58.58	115.2	56.09
	-19.8	-20	123.8	55.73	123.8	57.13	122.9	58.12	122.9	58.58	122.9	56.89	121.7	54.42
	-18.8	-19	127.2	56.20	126.4	57.61	125.9	58.58	125.9	57.70	125.9	56.02	124.7	53.58
	-16.7	-17	132.6	57.19	132.6	58.58	132.0	56.77	132.0	55.86	132.0	54.23	128.5	51.82
	-13.7	-15	142.2	58.58	142.2	55.89	140.9	54.18	140.9	53.22	138.3	51.67	129.5	49.32
	-11.8	-13	146.9	56.74	146.1	54.18	145.5	52.53	142.9	51.55	139.4	50.04	129.5	47.73
	-9.8	-11	151.7	54.79	151.7	52.38	147.6	50.80	144.1	49.80	139.4	48.34	129.5	46.07
	-9.5	-10	153.0	54.50	153.0	52.11	148.2	50.54	144.1	49.53	139.4	48.08	129.5	45.82
	-8.5	-9.1	157.1	53.53	156.0	51.21	148.7	49.68	144.1	48.65	139.4	47.23	129.5	44.98
	-7.0	-7.6	166.0	52.07	157.9	49.86	148.7	48.37	144.1	47.33	139.4	45.94	129.5	43.73
	-5.0	-5.6	167.8	50.12	157.9	48.05	148.7	46.64	144.1	45.58	139.4	44.24	129.5	42.06
	-3.0	-3.7	167.8	48.18	157.9	46.26	148.7	44.91	144.1	43.81	139.4	42.52	129.5	40.39
	0.0	-0.7	167.8	45.25	157.9	43.55	148.7	42.31	144.1	41.18	139.4	39.96	129.5	37.88
	3.0	2.2	167.8	42.33	157.9	40.86	148.7	39.72	144.1	38.53	139.4	37.40	129.5	35.38
	5.0	4.1	167.8	40.39	157.9	39.05	148.7	37.99	144.1	36.77	139.4	35.69	129.5	33.71
	7.0	6.0	167.8	38.44	157.9	37.25	148.7	36.26	144.1	35.02	139.4	33.97	129.5	32.04
	9.0	7.9	167.8	36.61	157.9	35.47	148.7	34.52	144.1	33.34	139.4	32.35	129.5	30.51
	11.0	9.8	167.8	34.76	157.9	33.69	148.7	32.80	144.1	31.67	139.4	30.74	129.5	28.98
	13.0	11.8	167.8	32.93	157.9	31.92	148.7	31.05	144.1	29.99	139.4	29.11	129.5	27.44
15.0	13.7	167.8	31.10	157.9	30.14	148.7	29.32	144.1	28.33	139.4	27.48	129.5	25.91	
80	-24.8	-25	95.6	46.74	95.6	48.15	95.0	49.15	95.0	49.60	95.0	51.95	94.1	49.75
	-21.8	-22	115.8	48.15	115.8	49.57	115.8	50.54	115.8	51.95	115.8	49.75	113.9	47.63
	-19.8	-20	122.5	49.09	122.5	50.51	122.5	51.95	122.5	50.39	121.8	48.28	115.7	46.22
	-18.8	-19	125.4	49.57	125.4	51.95	125.4	51.17	125.4	49.62	122.9	47.55	115.7	45.51
	-16.7	-17	130.9	51.95	130.9	50.31	130.9	49.52	128.2	47.99	124.4	46.01	115.7	44.02
	-13.7	-15	139.0	49.53	136.3	47.96	133.0	47.15	129.0	45.66	124.4	43.81	115.7	41.91
	-11.8	-13	142.5	47.97	138.3	46.49	133.0	45.65	129.0	44.18	124.4	42.41	115.7	40.57
	-9.8	-11	145.9	46.36	140.1	44.91	133.0	44.08	129.0	42.63	124.4	40.94	115.7	39.16
	-9.5	-10	146.9	46.12	140.9	44.68	133.0	43.85	129.0	42.40	124.4	40.71	115.7	38.95
	-8.5	-9.1	148.6	45.31	141.7	43.90	133.0	43.05	129.0	41.61	124.4	39.98	115.7	38.24
	-7.0	-7.6	150.3	44.09	141.7	42.73	133.0	41.88	129.0	40.45	124.4	38.87	115.7	37.19
	-5.0	-5.6	150.3	42.47	141.7	41.16	133.0	40.30	129.0	38.90	124.4	37.41	115.7	35.77
	-3.0	-3.7	150.3	40.85	141.7	39.60	133.0	38.72	129.0	37.33	124.4	35.94	115.7	34.37
	0.0	-0.7	150.3	38.41	141.7	37.25	133.0	36.36	129.0	35.01	124.4	33.74	115.7	32.24
	3.0	2.2	150.3	35.98	141.7	34.92	133.0	34.00	129.0	32.68	124.4	31.53	115.7	30.13
	5.0	4.1	150.3	34.35	141.7	33.34	133.0	32.43	129.0	31.12	124.4	30.06	115.7	28.71
	7.0	6.0	150.3	32.74	141.7	31.79	133.0	30.85	129.0	29.56	124.4	28.60	115.7	27.31
	9.0	7.9	150.3	30.74	141.7	29.84	133.0	28.97	129.0	27.76	124.4	26.85	115.7	25.63
	11.0	9.8	150.3	28.54	141.7	27.70	133.0	26.88	129.0	25.77	124.4	24.92	115.7	23.79
	13.0	11.8	150.3	26.63	141.7	25.86	133.0	25.10	129.0	24.05	124.4	23.26	115.7	22.21
15.0	13.7	150.3	25.07	141.7	24.34	133.0	23.62	129.0	22.64	124.4	21.89	115.7	20.91	

# 7. Capacity Tables

Heating Capacity (52HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	95.6	47.58	95.6	48.04	95.0	48.99	95.0	50.39	95.0	48.02	94.0	45.81
	-21.8	-22	112.7	48.99	113.0	49.45	112.2	50.39	109.3	48.02	106.1	45.81	99.0	43.65
	-19.8	-20	122.1	49.92	119.2	50.39	113.2	48.73	109.3	46.44	106.1	44.32	99.0	42.22
	-18.8	-19	124.8	50.39	120.1	49.53	113.2	47.89	109.3	45.65	106.1	43.59	99.0	41.50
	-16.7	-17	127.1	48.61	120.3	47.73	113.2	46.15	109.3	43.99	106.1	42.02	99.0	40.00
	-13.7	-15	127.4	46.07	120.3	45.15	113.2	43.67	109.3	41.61	106.1	39.80	99.0	37.85
	-11.8	-13	127.4	44.45	120.3	43.52	113.2	42.08	109.3	40.11	106.1	38.40	99.0	36.49
	-9.8	-11	127.4	42.76	120.3	41.79	113.2	40.41	109.3	38.54	106.1	36.92	99.0	35.05
	-9.5	-10	127.4	42.50	120.3	41.54	113.2	40.17	109.3	38.29	106.1	36.69	99.0	34.84
	-8.5	-9.1	127.4	41.66	120.3	40.68	113.2	39.34	109.3	37.51	106.1	35.95	99.0	34.12
	-7.0	-7.6	127.4	40.38	120.3	39.39	113.2	38.08	109.3	36.31	106.1	34.85	99.0	33.05
	-5.0	-5.6	127.4	38.68	120.3	37.67	113.2	36.42	109.3	34.73	106.1	33.37	99.0	31.62
	-3.0	-3.7	127.4	36.98	120.3	35.96	113.2	34.76	109.3	33.15	106.1	31.89	99.0	30.18
	0.0	-0.7	127.4	34.45	120.3	33.38	113.2	32.27	109.3	30.78	106.1	29.67	99.0	28.03
	3.0	2.2	127.4	31.90	120.3	30.79	113.2	29.77	109.3	28.41	106.1	27.44	99.0	25.89
	5.0	4.1	127.4	30.21	120.3	29.08	113.2	28.11	109.3	26.82	106.1	25.97	99.0	24.45
	7.0	6.0	127.4	28.51	120.3	27.36	113.2	26.45	109.3	25.25	106.1	24.49	99.0	23.02
	9.0	7.9	127.4	25.74	120.3	24.70	113.2	23.88	109.3	22.80	106.1	22.11	99.0	20.79
11.0	9.8	127.4	23.97	120.3	23.01	113.2	22.24	109.3	21.22	106.1	20.59	99.0	19.36	
13.0	11.8	127.4	22.43	120.3	21.53	113.2	20.80	109.3	19.87	106.1	19.26	99.0	18.11	
15.0	13.7	127.4	21.15	120.3	20.30	113.2	19.61	109.3	18.73	106.1	18.15	99.0	17.07	
60	-24.8	-25	95.0	46.64	95.0	47.58	94.4	48.99	92.5	46.49	90.3	44.16	84.8	41.95
	-21.8	-22	103.5	48.04	103.5	48.99	97.1	46.49	93.8	44.16	90.6	41.95	84.8	39.82
	-19.8	-20	109.3	48.99	103.5	47.23	97.1	44.84	93.8	42.60	90.6	40.48	84.8	38.40
	-18.8	-19	109.3	48.10	103.5	46.35	97.1	44.00	93.8	41.81	90.6	39.75	84.8	37.69
	-16.7	-17	109.3	46.24	103.5	44.50	97.1	42.25	93.8	40.18	90.6	38.21	84.8	36.21
	-13.7	-15	109.3	43.60	103.5	41.87	97.1	39.77	93.8	37.83	90.6	36.01	84.8	34.07
	-11.8	-13	109.3	41.91	103.5	40.20	97.1	38.20	93.8	36.35	90.6	34.61	84.8	32.72
	-9.8	-11	109.3	40.14	103.5	38.44	97.1	36.52	93.8	34.80	90.6	33.14	84.8	31.30
	-9.5	-10	109.3	39.87	103.5	38.18	97.1	36.28	93.8	34.56	90.6	32.92	84.8	31.09
	-8.5	-9.1	109.3	38.98	103.5	37.30	97.1	35.45	93.8	33.79	90.6	32.19	84.8	30.37
	-7.0	-7.6	109.3	37.67	103.5	35.98	97.1	34.20	93.8	32.62	90.6	31.10	84.8	29.31
	-5.0	-5.6	109.3	35.90	103.5	34.23	97.1	32.55	93.8	31.06	90.6	29.62	84.8	27.89
	-3.0	-3.7	109.3	34.13	103.5	32.47	97.1	30.89	93.8	29.50	90.6	28.15	84.8	26.47
	0.0	-0.7	109.3	31.47	103.5	29.83	97.1	28.39	93.8	27.16	90.6	25.95	84.8	24.34
	3.0	2.2	109.3	28.83	103.5	27.20	97.1	25.90	93.8	24.83	90.6	23.76	84.8	22.21
	5.0	4.1	109.3	27.05	103.5	25.44	97.1	24.25	93.8	23.27	90.6	22.29	84.8	20.78
	7.0	6.0	109.3	25.29	103.5	23.68	97.1	22.58	93.8	21.69	90.6	20.82	84.8	19.36
	9.0	7.9	109.3	22.55	103.5	21.13	97.1	20.16	93.8	19.36	90.6	18.58	84.8	17.27
11.0	9.8	109.3	21.06	103.5	19.73	97.1	18.81	93.8	18.08	90.6	17.35	84.8	16.12	
13.0	11.8	109.3	19.73	103.5	18.48	97.1	17.62	93.8	16.94	90.6	16.25	84.8	15.11	
15.0	13.7	109.3	18.64	103.5	17.48	97.1	16.66	93.8	16.00	90.6	15.36	84.8	14.28	
50	-24.8	-25	91.2	41.72	86.0	43.14	80.9	40.86	78.3	38.74	75.7	36.74	70.5	34.87
	-21.8	-22	91.2	43.14	86.0	40.86	80.9	38.74	78.3	36.74	75.7	34.87	70.5	33.06
	-19.8	-20	91.2	41.55	86.0	39.35	80.9	37.33	78.3	35.40	75.7	33.63	70.5	31.87
	-18.8	-19	91.2	40.76	86.0	38.59	80.9	36.62	78.3	34.72	75.7	33.00	70.5	31.28
	-16.7	-17	91.2	39.11	86.0	37.01	80.9	35.14	78.3	33.33	75.7	31.69	70.5	30.01
	-13.7	-15	91.2	36.73	86.0	34.74	80.9	33.02	78.3	31.32	75.7	29.82	70.5	28.22
	-11.8	-13	91.2	35.24	86.0	33.31	80.9	31.68	78.3	30.04	75.7	28.64	70.5	27.08
	-9.8	-11	91.2	33.65	86.0	31.80	80.9	30.26	78.3	28.72	75.7	27.40	70.5	25.87
	-9.5	-10	91.2	33.42	86.0	31.58	80.9	30.05	78.3	28.51	75.7	27.22	70.5	25.70
	-8.5	-9.1	91.2	32.63	86.0	30.81	80.9	29.35	78.3	27.84	75.7	26.59	70.5	25.09
	-7.0	-7.6	91.2	31.45	86.0	29.68	80.9	28.29	78.3	26.84	75.7	25.66	70.5	24.19
	-5.0	-5.6	91.2	29.87	86.0	28.17	80.9	26.88	78.3	25.51	75.7	24.41	70.5	22.99
	-3.0	-3.7	91.2	28.29	86.0	26.66	80.9	25.46	78.3	24.16	75.7	23.16	70.5	21.80
	0.0	-0.7	91.2	25.93	86.0	24.39	80.9	23.33	78.3	22.16	75.7	21.29	70.5	19.99
	3.0	2.2	91.2	23.55	86.0	22.12	80.9	21.23	78.3	20.15	75.7	19.42	70.5	18.20
	5.0	4.1	91.2	21.98	86.0	20.61	80.9	19.81	78.3	18.81	75.7	18.19	70.5	17.00
	7.0	6.0	91.2	20.40	86.0	19.10	80.9	18.40	78.3	17.48	75.7	16.93	70.5	15.80
	9.0	7.9	91.2	18.42	86.0	17.25	80.9	16.62	78.3	15.78	75.7	15.30	70.5	14.26
11.0	9.8	91.2	17.24	86.0	16.14	80.9	15.54	78.3	14.77	75.7	14.31	70.5	13.35	
13.0	11.8	91.2	16.19	86.0	15.16	80.9	14.59	78.3	13.87	75.7	13.44	70.5	12.54	
15.0	13.7	91.2	15.30	86.0	14.34	80.9	13.81	78.3	13.11	75.7	12.72	70.5	11.86	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN540BTE5

Heating Capacity (54HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	106.6	56.98	106.6	57.55	105.9	58.02	105.9	58.76	105.9	59.48	104.3	60.58
	-21.8	-22	128.6	58.10	128.6	58.66	127.7	59.14	127.7	59.88	127.7	60.58	125.7	61.70
	-19.8	-20	135.1	58.84	135.1	59.40	134.2	59.88	134.2	60.63	134.2	61.32	132.1	62.43
	-18.8	-19	138.1	59.21	138.1	59.76	137.2	60.25	137.2	60.99	137.2	61.70	135.0	62.81
	-16.7	-17	144.3	59.99	144.3	60.55	143.3	61.03	143.3	61.77	143.3	62.47	141.0	63.58
	-13.7	-15	153.1	61.10	153.1	61.65	152.1	62.14	152.1	62.88	152.1	63.58	149.7	61.03
	-11.8	-13	158.0	61.81	158.0	62.37	157.1	62.84	157.1	63.58	157.1	64.32	155.1	59.40
	-9.8	-11	163.3	62.55	163.3	63.10	162.3	63.58	162.3	64.32	162.3	65.06	160.6	57.70
	-9.5	-10	164.2	62.66	164.2	63.22	163.3	63.30	163.3	64.44	163.0	59.76	161.5	57.45
	-8.5	-9.1	167.6	63.03	167.6	63.58	166.7	62.33	166.7	60.52	165.7	58.85	164.2	56.59
	-7.0	-7.6	172.7	63.58	172.7	62.17	171.6	60.90	171.6	59.12	171.6	57.48	169.0	55.31
	-5.0	-5.6	179.5	61.71	179.5	60.27	178.3	58.98	178.3	57.25	178.3	55.66	174.6	53.61
	-3.0	-3.7	186.2	59.85	186.2	58.37	185.0	57.07	185.0	55.40	185.0	53.83	180.4	51.91
	0.0	-0.7	196.2	57.05	196.2	55.53	195.0	54.18	195.0	52.60	195.0	51.09	188.8	49.34
	3.0	2.2	206.4	54.25	206.4	52.68	205.0	51.31	205.0	49.82	203.5	48.37	190.6	46.78
	5.0	4.1	212.5	52.39	212.5	50.79	211.4	49.39	210.2	47.95	207.7	46.54	190.6	45.08
	7.0	6.0	217.5	50.52	217.5	48.89	216.2	47.47	212.1	46.09	204.7	44.72	190.6	43.37
	9.0	7.9	218.2	48.96	218.2	47.38	217.5	46.01	212.1	44.67	204.7	43.33	190.6	42.04
	11.0	9.8	218.2	47.83	218.2	46.29	217.5	44.94	212.1	43.63	204.7	42.32	190.6	41.06
	13.0	11.8	218.2	46.61	218.2	45.11	217.5	43.80	212.1	42.52	204.7	41.26	190.6	40.02
15.0	13.7	218.2	45.31	218.2	43.85	217.5	42.57	212.1	41.33	204.7	40.10	190.6	38.90	
120	-24.8	-25	105.9	57.55	105.9	58.02	105.2	58.76	105.2	59.48	105.2	60.58	103.6	61.36
	-21.8	-22	127.7	58.66	127.7	59.14	126.8	59.88	126.8	60.58	126.8	61.70	124.9	62.47
	-19.8	-20	134.1	59.40	134.1	59.88	133.2	60.63	133.2	61.32	133.2	62.43	131.2	63.22
	-18.8	-19	137.0	59.76	137.0	60.25	136.1	60.99	136.1	61.70	136.1	62.81	134.1	63.58
	-16.7	-17	143.2	60.55	143.2	61.03	142.3	61.77	142.3	62.47	142.3	63.58	140.0	61.94
	-13.7	-15	151.9	61.65	151.9	62.14	151.0	62.88	151.0	63.58	151.0	64.32	148.6	59.59
	-11.8	-13	156.9	62.37	156.9	62.84	155.9	63.58	155.9	64.32	155.9	65.06	154.0	58.10
	-9.8	-11	162.1	63.10	162.1	63.58	161.2	64.07	161.2	64.79	161.2	65.51	159.5	56.54
	-9.5	-10	163.1	63.22	163.1	63.28	162.2	61.37	162.2	59.73	162.2	57.68	160.5	56.29
	-8.5	-9.1	166.5	63.58	166.5	62.25	165.4	60.40	165.4	58.81	165.2	56.86	163.4	55.51
	-7.0	-7.6	171.5	62.05	171.5	60.71	170.4	58.95	170.4	57.44	169.8	55.63	167.8	54.34
	-5.0	-5.6	178.2	59.99	178.2	58.66	177.1	57.02	177.1	55.60	177.1	53.99	173.5	52.77
	-3.0	-3.7	184.9	57.93	184.9	56.61	183.7	55.09	183.7	53.76	183.7	52.35	178.2	51.21
	0.0	-0.7	194.9	54.85	194.9	53.53	193.6	52.20	193.6	51.00	192.4	49.89	179.0	48.85
	3.0	2.2	204.9	51.76	204.9	50.46	202.7	49.30	198.8	48.24	192.6	47.43	179.0	46.50
	5.0	4.1	211.0	49.71	210.5	48.41	205.7	47.37	198.8	46.40	192.6	45.79	179.0	44.93
	7.0	6.0	215.9	47.64	214.2	46.35	205.7	45.44	198.8	44.58	192.6	44.14	179.0	43.36
	9.0	7.9	216.5	46.07	214.2	44.82	205.7	43.95	198.8	43.10	192.6	42.69	179.0	41.94
	11.0	9.8	216.5	44.90	214.2	43.69	205.7	42.83	198.8	42.01	192.6	41.60	179.0	40.86
	13.0	11.8	216.5	43.65	214.2	42.46	205.7	41.63	198.8	40.83	192.6	40.44	179.0	39.73
15.0	13.7	216.5	42.31	214.2	41.17	205.7	40.36	198.8	39.59	192.6	39.21	179.0	38.51	
110	-24.8	-25	105.3	58.02	105.3	58.76	104.7	59.48	104.7	60.58	104.7	61.36	103.0	61.73
	-21.8	-22	127.1	59.14	127.1	59.88	126.2	60.58	126.2	61.70	126.2	62.47	124.3	62.84
	-19.8	-20	133.4	59.88	133.4	60.63	132.6	61.32	132.6	62.43	132.6	63.22	130.4	63.58
	-18.8	-19	136.3	60.25	136.3	60.99	135.4	61.70	135.4	62.81	135.4	63.58	133.3	62.73
	-16.7	-17	142.4	61.03	142.4	61.77	141.5	62.47	141.5	63.58	141.5	64.32	139.2	60.92
	-13.7	-15	151.1	62.14	151.1	62.88	150.1	63.58	150.1	64.32	150.1	65.06	147.1	58.35
	-11.8	-13	156.1	62.84	156.1	63.58	155.0	64.32	155.0	65.06	155.0	65.74	153.0	56.70
	-9.8	-11	161.2	63.58	161.2	64.32	160.3	65.06	160.3	65.74	160.3	66.48	158.3	54.98
	-9.5	-10	162.2	63.22	162.2	61.11	161.3	59.39	161.3	57.14	161.3	55.74	160.8	54.72
	-8.5	-9.1	165.6	62.08	165.6	60.04	164.6	58.38	164.6	56.24	164.6	54.90	161.1	53.87
	-7.0	-7.6	170.6	60.32	170.6	58.43	169.5	56.88	169.5	54.90	169.5	53.63	161.1	52.57
	-5.0	-5.6	177.2	58.00	177.2	56.28	176.0	54.89	176.0	53.11	172.4	51.94	161.1	50.86
	-3.0	-3.7	183.8	55.68	183.8	54.12	182.6	52.88	182.6	51.32	172.4	50.25	161.1	49.13
	0.0	-0.7	193.8	52.18	193.4	50.90	184.5	49.88	178.6	48.63	172.4	47.72	161.1	46.54
	3.0	2.2	203.3	48.68	196.7	47.67	184.5	46.89	178.6	45.94	172.4	45.19	161.1	43.97
	5.0	4.1	208.1	46.36	196.7	45.52	184.5	44.88	178.6	44.15	172.4	43.51	161.1	42.25
	7.0	6.0	208.1	44.04	196.7	43.37	184.5	42.88	178.6	42.36	172.4	41.82	161.1	40.53
	9.0	7.9	208.1	42.39	196.7	41.75	184.5	41.30	178.6	40.78	172.4	40.27	161.1	39.02
	11.0	9.8	208.1	41.12	196.7	40.50	184.5	40.04	178.6	39.56	172.4	39.05	161.1	37.85
	13.0	11.8	208.1	39.76	196.7	39.17	184.5	38.72	178.6	38.26	172.4	37.76	161.1	36.60
15.0	13.7	208.1	38.32	196.7	37.74	184.5	37.32	178.6	36.87	172.4	36.39	161.1	35.27	

# 7. Capacity Tables

Heating Capacity (54HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	104.8	63.28	104.8	63.32	104.2	60.01	104.2	63.43	104.2	63.46	102.5	63.50
	-21.8	-22	126.4	63.34	126.4	63.39	125.7	61.91	125.7	63.48	125.7	64.26	123.6	63.58
	-19.8	-20	132.8	63.39	132.8	63.43	132.0	63.12	132.0	63.53	132.0	63.82	130.0	63.58
	-18.8	-19	135.7	63.40	134.9	63.45	134.9	63.48	134.9	63.55	134.9	63.58	132.7	62.55
	-16.7	-17	140.9	63.44	140.9	63.49	140.9	64.26	140.2	63.58	140.2	61.43	137.9	60.36
	-13.7	-15	150.4	63.51	150.4	63.55	149.5	63.58	149.5	60.45	149.5	58.36	147.2	57.25
	-11.8	-13	155.3	63.54	154.4	63.58	154.4	61.48	154.4	58.46	154.4	56.41	147.2	55.27
	-9.8	-11	160.3	63.58	160.3	61.22	159.7	59.25	159.7	56.37	158.0	54.36	147.2	53.19
	-9.5	-10	161.3	63.21	161.3	60.86	160.6	58.91	160.6	56.06	158.0	54.05	147.2	52.87
	-8.5	-9.1	164.7	61.96	164.7	59.68	163.9	57.80	163.4	55.01	158.0	53.02	147.2	51.84
	-7.0	-7.6	172.4	60.09	171.8	57.90	168.8	56.13	163.4	53.44	158.0	51.49	147.2	50.28
	-5.0	-5.6	180.0	57.60	178.2	55.52	168.8	53.92	163.4	51.36	158.0	49.44	147.2	48.20
	-3.0	-3.7	185.2	55.10	179.6	53.14	168.8	51.70	163.4	49.26	158.0	47.39	147.2	46.12
	0.0	-0.7	190.4	51.36	179.6	49.59	168.8	48.35	163.4	46.13	158.0	44.31	147.2	43.00
	3.0	2.2	190.4	47.62	179.6	46.03	168.8	45.02	163.4	42.99	158.0	41.24	147.2	39.88
	5.0	4.1	190.4	45.12	179.6	43.66	168.8	42.79	163.4	40.91	158.0	39.18	147.2	37.79
	7.0	6.0	190.4	42.63	179.6	41.29	168.8	40.57	163.4	38.81	158.0	37.14	147.2	35.71
	9.0	7.9	190.4	40.65	179.6	39.37	168.8	38.69	163.4	37.00	158.0	35.41	147.2	34.05
	11.0	9.8	190.4	38.99	179.6	37.78	168.8	37.11	163.4	35.51	158.0	33.97	147.2	32.67
	13.0	11.8	190.4	37.24	179.6	36.08	168.8	35.45	163.4	33.91	158.0	32.44	147.2	31.21
15.0	13.7	190.4	35.40	179.6	34.28	168.8	33.70	163.4	32.23	158.0	30.84	147.2	29.66	
90	-24.8	-25	104.4	56.81	104.4	57.92	103.8	58.70	103.8	59.07	103.8	59.82	102.2	60.92
	-21.8	-22	125.9	57.92	125.9	59.04	125.2	59.82	125.2	60.18	125.2	60.92	123.1	58.25
	-19.8	-20	132.3	58.67	132.3	59.77	131.4	60.56	131.4	60.92	131.4	59.09	129.4	56.45
	-18.8	-19	135.7	59.04	134.9	60.15	134.3	60.92	134.3	59.97	134.3	58.16	132.2	55.55
	-16.7	-17	140.9	59.82	140.9	60.92	140.3	58.96	140.3	57.98	140.3	56.24	134.5	53.67
	-13.7	-15	150.4	60.92	150.4	58.00	149.0	56.15	149.0	55.13	144.9	53.48	134.5	50.99
	-11.8	-13	155.3	58.90	154.4	56.13	153.8	54.37	149.7	53.33	144.9	51.72	134.5	49.29
	-9.8	-11	160.3	56.79	160.3	54.18	154.5	52.49	149.7	51.44	144.9	49.89	134.5	47.51
	-9.5	-10	161.3	56.47	161.3	53.89	154.5	52.21	149.7	51.15	144.9	49.62	134.5	47.24
	-8.5	-9.1	164.7	55.41	163.5	52.91	154.5	51.27	149.7	50.20	144.9	48.70	134.5	46.34
	-7.0	-7.6	172.4	53.82	164.0	51.45	154.5	49.86	149.7	48.77	144.9	47.31	134.5	45.00
	-5.0	-5.6	174.3	51.69	164.0	49.48	154.5	47.98	149.7	46.89	144.9	45.48	134.5	43.21
	-3.0	-3.7	174.3	49.58	164.0	47.54	154.5	46.11	149.7	44.98	144.9	43.63	134.5	41.42
	0.0	-0.7	174.3	46.38	164.0	44.60	154.5	43.30	149.7	42.14	144.9	40.87	134.5	38.73
	3.0	2.2	174.3	43.20	164.0	41.67	154.5	40.50	149.7	39.28	144.9	38.12	134.5	36.05
	5.0	4.1	174.3	41.09	164.0	39.71	154.5	38.62	149.7	37.38	144.9	36.28	134.5	34.26
	7.0	6.0	174.3	38.96	164.0	37.75	154.5	36.75	149.7	35.49	144.9	34.43	134.5	32.47
	9.0	7.9	174.3	36.97	164.0	35.83	154.5	34.87	149.7	33.68	144.9	32.68	134.5	30.82
	11.0	9.8	174.3	34.98	164.0	33.90	154.5	33.00	149.7	31.87	144.9	30.93	134.5	29.16
	13.0	11.8	174.3	32.99	164.0	31.98	154.5	31.11	149.7	30.05	144.9	29.16	134.5	27.50
15.0	13.7	174.3	31.01	164.0	30.05	154.5	29.24	149.7	28.25	144.9	27.40	134.5	25.84	
80	-24.8	-25	103.9	49.90	103.9	51.02	103.3	51.81	103.3	52.17	103.3	54.02	101.7	51.66
	-21.8	-22	124.6	51.02	124.6	52.14	124.6	52.91	124.6	54.02	124.6	51.66	120.2	49.40
	-19.8	-20	130.9	51.76	130.9	52.88	130.9	54.02	130.9	52.35	129.0	50.09	120.2	47.89
	-18.8	-19	133.8	52.14	133.8	54.02	133.8	53.18	133.3	51.52	129.2	49.30	120.2	47.13
	-16.7	-17	138.1	54.02	138.1	52.24	138.1	51.40	134.0	49.76	129.2	47.65	120.2	45.54
	-13.7	-15	144.4	51.39	141.6	49.71	138.1	48.84	134.0	47.26	129.2	45.29	120.2	43.28
	-11.8	-13	148.4	49.71	144.0	48.11	138.1	47.23	134.0	45.67	129.2	43.79	120.2	41.85
	-9.8	-11	152.3	47.95	145.9	46.41	138.1	45.53	134.0	44.00	129.2	42.21	120.2	40.34
	-9.5	-10	153.3	47.69	146.7	46.16	138.1	45.28	134.0	43.76	129.2	41.97	120.2	40.12
	-8.5	-9.1	154.8	46.81	147.2	45.32	138.1	44.43	134.0	42.91	129.2	41.18	120.2	39.36
	-7.0	-7.6	156.1	45.49	147.2	44.05	138.1	43.16	134.0	41.66	129.2	40.00	120.2	38.24
	-5.0	-5.6	156.1	43.74	147.2	42.36	138.1	41.45	134.0	40.00	129.2	38.43	120.2	36.72
	-3.0	-3.7	156.1	41.97	147.2	40.67	138.1	39.75	134.0	38.31	129.2	36.85	120.2	35.22
	0.0	-0.7	156.1	39.33	147.2	38.13	138.1	37.21	134.0	35.81	129.2	34.49	120.2	32.95
	3.0	2.2	156.1	36.70	147.2	35.60	138.1	34.66	134.0	33.31	129.2	32.13	120.2	30.69
	5.0	4.1	156.1	34.93	147.2	33.90	138.1	32.97	134.0	31.63	129.2	30.56	120.2	29.18
	7.0	6.0	156.1	33.18	147.2	32.22	138.1	31.26	134.0	29.96	129.2	28.98	120.2	27.67
	9.0	7.9	156.1	31.16	147.2	30.25	138.1	29.36	134.0	28.14	129.2	27.21	120.2	25.98
	11.0	9.8	156.1	28.92	147.2	28.07	138.1	27.24	134.0	26.12	129.2	25.25	120.2	24.11
	13.0	11.8	156.1	26.99	147.2	26.21	138.1	25.44	134.0	24.38	129.2	23.57	120.2	22.51
15.0	13.7	156.1	25.41	147.2	24.67	138.1	23.94	134.0	22.94	129.2	22.19	120.2	21.20	



# 7. Capacity Tables

Heating Capacity (54HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	103.9	50.38	103.9	50.74	103.3	51.49	103.3	52.61	103.3	50.05	100.7	47.68
	-21.8	-22	118.4	51.49	118.4	51.87	117.6	52.61	113.6	50.05	110.2	47.68	102.8	45.38
	-19.8	-20	127.9	52.24	125.0	52.61	117.6	50.81	113.6	48.36	110.2	46.09	102.8	43.85
	-18.8	-19	130.9	52.61	125.0	51.67	117.6	49.91	113.6	47.51	110.2	45.30	102.8	43.09
	-16.7	-17	132.4	50.68	125.0	49.73	117.6	48.04	113.6	45.73	110.2	43.63	102.8	41.48
	-13.7	-15	132.4	47.93	125.0	46.94	117.6	45.36	113.6	43.17	110.2	41.25	102.8	39.18
	-11.8	-13	132.4	46.16	125.0	45.18	117.6	43.65	113.6	41.55	110.2	39.74	102.8	37.73
	-9.8	-11	132.4	44.33	125.0	43.32	117.6	41.85	113.6	39.87	110.2	38.15	102.8	36.19
	-9.5	-10	132.4	44.06	125.0	43.05	117.6	41.59	113.6	39.61	110.2	37.90	102.8	35.96
	-8.5	-9.1	132.4	43.15	125.0	42.12	117.6	40.70	113.6	38.76	110.2	37.11	102.8	35.19
	-7.0	-7.6	132.4	41.76	125.0	40.73	117.6	39.34	113.6	37.48	110.2	35.93	102.8	34.05
	-5.0	-5.6	132.4	39.92	125.0	38.87	117.6	37.55	113.6	35.78	110.2	34.35	102.8	32.52
	-3.0	-3.7	132.4	38.08	125.0	37.01	117.6	35.76	113.6	34.08	110.2	32.76	102.8	30.99
	0.0	-0.7	132.4	35.33	125.0	34.23	117.6	33.07	113.6	31.53	110.2	30.38	102.8	28.68
	3.0	2.2	132.4	32.57	125.0	31.44	117.6	30.38	113.6	28.99	110.2	27.99	102.8	26.40
	5.0	4.1	132.4	30.74	125.0	29.59	117.6	28.60	113.6	27.28	110.2	26.41	102.8	24.86
	7.0	6.0	132.4	28.89	125.0	27.73	117.6	26.80	113.6	25.59	110.2	24.82	102.8	23.33
	9.0	7.9	132.4	26.09	125.0	25.04	117.6	24.20	113.6	23.10	110.2	22.41	102.8	21.07
11.0	9.8	132.4	24.29	125.0	23.32	117.6	22.54	113.6	21.51	110.2	20.87	102.8	19.62	
13.0	11.8	132.4	22.74	125.0	21.82	117.6	21.08	113.6	20.14	110.2	19.52	102.8	18.35	
15.0	13.7	132.4	21.43	125.0	20.57	117.6	19.88	113.6	18.98	110.2	18.40	102.8	17.30	
60	-24.8	-25	101.1	49.64	101.1	50.38	100.5	51.49	97.4	48.79	94.1	46.27	88.1	43.89
	-21.8	-22	108.5	50.74	107.5	51.49	100.9	48.79	97.4	46.27	94.1	43.89	88.1	41.61
	-19.8	-20	113.6	51.49	107.5	49.59	100.9	47.00	97.4	44.58	94.1	42.30	88.1	40.07
	-18.8	-19	113.6	50.53	107.5	48.63	100.9	46.09	97.4	43.73	94.1	41.52	88.1	39.31
	-16.7	-17	113.6	48.50	107.5	46.62	100.9	44.20	97.4	41.97	94.1	39.86	88.1	37.72
	-13.7	-15	113.6	45.61	107.5	43.77	100.9	41.51	97.4	39.43	94.1	37.48	88.1	35.42
	-11.8	-13	113.6	43.77	107.5	41.95	100.9	39.81	97.4	37.83	94.1	35.97	88.1	33.97
	-9.8	-11	113.6	41.84	107.5	40.04	100.9	37.99	97.4	36.16	94.1	34.39	88.1	32.44
	-9.5	-10	113.6	41.55	107.5	39.76	100.9	37.73	97.4	35.90	94.1	34.16	88.1	32.22
	-8.5	-9.1	113.6	40.58	107.5	38.79	100.9	36.83	97.4	35.06	94.1	33.36	88.1	31.45
	-7.0	-7.6	113.6	39.15	107.5	37.37	100.9	35.48	97.4	33.80	94.1	32.19	88.1	30.30
	-5.0	-5.6	113.6	37.21	107.5	35.46	100.9	33.69	97.4	32.11	94.1	30.59	88.1	28.78
	-3.0	-3.7	113.6	35.28	107.5	33.55	100.9	31.88	97.4	30.42	94.1	29.01	88.1	27.25
	0.0	-0.7	113.6	32.38	107.5	30.69	100.9	29.18	97.4	27.90	94.1	26.63	88.1	24.97
	3.0	2.2	113.6	29.49	107.5	27.82	100.9	26.48	97.4	25.37	94.1	24.27	88.1	22.68
	5.0	4.1	113.6	27.56	107.5	25.91	100.9	24.69	97.4	23.68	94.1	22.68	88.1	21.14
	7.0	6.0	113.6	25.63	107.5	24.00	100.9	22.89	97.4	21.99	94.1	21.10	88.1	19.62
	9.0	7.9	113.6	22.86	107.5	21.42	100.9	20.43	97.4	19.62	94.1	18.83	88.1	17.50
11.0	9.8	113.6	21.35	107.5	20.00	100.9	19.07	97.4	18.32	94.1	17.58	88.1	16.34	
13.0	11.8	113.6	20.00	107.5	18.73	100.9	17.86	97.4	17.16	94.1	16.47	88.1	15.32	
15.0	13.7	113.6	18.89	107.5	17.71	100.9	16.89	97.4	16.22	94.1	15.57	88.1	14.48	
50	-24.8	-25	94.7	43.73	89.3	44.85	84.0	42.44	81.3	40.20	78.6	38.08	73.2	36.11
	-21.8	-22	94.7	44.85	89.3	42.44	84.0	40.20	81.3	38.08	78.6	36.11	73.2	34.20
	-19.8	-20	94.7	43.17	89.3	40.84	84.0	38.70	81.3	36.66	78.6	34.79	73.2	32.95
	-18.8	-19	94.7	42.33	89.3	40.04	84.0	37.95	81.3	35.95	78.6	34.13	73.2	32.32
	-16.7	-17	94.7	40.57	89.3	38.36	84.0	36.38	81.3	34.47	78.6	32.74	73.2	30.98
	-13.7	-15	94.7	38.04	89.3	35.95	84.0	34.14	81.3	32.35	78.6	30.78	73.2	29.10
	-11.8	-13	94.7	36.45	89.3	34.43	84.0	32.71	81.3	31.00	78.6	29.53	73.2	27.89
	-9.8	-11	94.7	34.77	89.3	32.83	84.0	31.21	81.3	29.60	78.6	28.21	73.2	26.63
	-9.5	-10	94.7	34.52	89.3	32.59	84.0	30.99	81.3	29.38	78.6	28.02	73.2	26.44
	-8.5	-9.1	94.7	33.68	89.3	31.78	84.0	30.25	81.3	28.67	78.6	27.36	73.2	25.80
	-7.0	-7.6	94.7	32.43	89.3	30.58	84.0	29.13	81.3	27.62	78.6	26.38	73.2	24.85
	-5.0	-5.6	94.7	30.74	89.3	28.98	84.0	27.63	81.3	26.20	78.6	25.05	73.2	23.59
	-3.0	-3.7	94.7	29.07	89.3	27.38	84.0	26.13	81.3	24.78	78.6	23.74	73.2	22.33
	0.0	-0.7	94.7	26.56	89.3	24.96	84.0	23.88	81.3	22.66	78.6	21.77	73.2	20.43
	3.0	2.2	94.7	24.03	89.3	22.56	84.0	21.64	81.3	20.54	78.6	19.79	73.2	18.55
	5.0	4.1	94.7	22.35	89.3	20.96	84.0	20.14	81.3	19.13	78.6	18.49	73.2	17.28
	7.0	6.0	94.7	20.68	89.3	19.36	84.0	18.64	81.3	17.71	78.6	17.16	73.2	16.01
	9.0	7.9	94.7	18.67	89.3	17.48	84.0	16.84	81.3	15.99	78.6	15.51	73.2	14.45
11.0	9.8	94.7	17.47	89.3	16.36	84.0	15.75	81.3	14.97	78.6	14.50	73.2	13.53	
13.0	11.8	94.7	16.41	89.3	15.36	84.0	14.78	81.3	14.05	78.6	13.62	73.2	12.70	
15.0	13.7	94.7	15.51	89.3	14.53	84.0	14.00	81.3	13.29	78.6	12.89	73.2	12.02	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN560BTE5

Heating Capacity (56HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	108.8	61.57	108.8	62.08	108.1	62.51	108.1	63.19	108.1	63.85	106.5	64.86
	-21.8	-22	132.4	62.58	132.4	63.10	131.5	63.54	131.5	64.22	131.5	64.86	129.4	65.89
	-19.8	-20	139.7	63.26	139.7	63.78	138.7	64.22	138.7	64.90	138.7	65.54	136.6	66.55
	-18.8	-19	142.8	63.60	142.8	64.11	141.9	64.55	141.9	65.23	141.9	65.89	139.6	66.90
	-16.7	-17	149.4	64.32	149.4	64.83	148.5	65.27	148.5	65.95	148.5	66.59	146.1	67.61
	-13.7	-15	158.8	65.34	158.8	65.84	157.9	66.28	157.9	66.96	157.9	67.61	155.3	68.01
	-11.8	-13	164.0	65.98	164.0	66.49	163.0	66.93	163.0	67.61	163.0	68.35	161.1	68.36
	-9.8	-11	169.4	66.66	169.4	67.16	168.4	67.61	168.4	68.29	168.4	69.01	166.9	69.02
	-9.5	-10	170.4	66.76	170.4	67.28	169.4	67.32	169.4	68.04	169.4	68.76	167.8	69.37
	-8.5	-9.1	173.9	67.10	173.9	67.61	172.9	68.06	172.9	68.78	172.9	69.50	170.8	70.09
	-7.0	-7.6	179.2	67.61	179.2	68.21	178.0	68.93	178.0	69.65	178.0	70.37	175.8	70.90
	-5.0	-5.6	186.1	67.77	186.1	68.32	184.9	69.04	184.9	70.00	184.9	70.72	181.8	71.46
	-3.0	-3.7	193.1	68.95	193.1	69.44	191.9	70.09	191.9	71.05	191.9	71.77	188.9	72.03
	0.0	-0.7	203.4	69.20	203.4	69.62	202.2	70.21	202.2	71.17	202.2	71.89	196.9	72.60
	3.0	2.2	213.9	58.46	213.9	58.80	212.5	59.33	212.5	59.85	211.0	52.21	197.7	50.52
	5.0	4.1	220.3	56.63	220.3	54.92	219.1	53.41	219.1	51.87	212.3	50.36	197.7	48.78
	7.0	6.0	225.4	54.80	225.4	53.03	224.1	51.49	220.1	49.99	212.3	48.51	197.7	47.05
	9.0	7.9	226.3	53.28	226.3	51.56	225.6	50.07	220.1	48.62	212.3	47.16	197.7	45.75
	11.0	9.8	226.3	52.24	226.3	50.56	225.6	49.09	220.1	47.65	212.3	46.23	197.7	44.85
	13.0	11.8	226.3	51.11	226.3	49.47	225.6	48.03	220.1	46.62	212.3	45.24	197.7	43.88
15.0	13.7	226.3	49.89	226.3	48.28	225.6	46.88	220.1	45.51	212.3	44.16	197.7	42.84	
120	-24.8	-25	108.1	62.08	108.1	62.51	107.3	63.19	107.3	63.85	107.3	64.86	105.7	65.57
	-21.8	-22	131.5	63.10	131.5	63.54	130.6	64.22	130.6	64.86	130.6	65.89	128.6	66.59
	-19.8	-20	138.7	63.78	138.7	64.22	137.8	64.90	137.8	65.54	137.8	66.55	135.6	67.28
	-18.8	-19	141.8	64.11	141.8	64.55	140.9	65.23	140.9	65.89	140.9	66.90	138.7	67.61
	-16.7	-17	148.4	64.83	148.4	65.27	147.4	65.95	147.4	66.59	147.4	67.61	145.0	68.93
	-13.7	-15	157.6	65.84	157.6	66.28	156.7	66.96	156.7	67.61	156.7	68.35	154.2	69.02
	-11.8	-13	162.8	66.49	162.8	67.00	161.8	67.61	161.8	68.23	161.8	69.01	159.9	70.03
	-9.8	-11	168.2	67.16	168.2	67.67	167.2	68.29	167.2	68.92	167.2	69.55	166.8	70.44
	-9.5	-10	169.3	67.28	169.3	67.31	168.3	67.37	168.3	68.00	168.3	68.62	166.8	69.19
	-8.5	-9.1	172.7	67.61	172.7	68.26	171.6	68.40	171.6	69.03	171.6	69.66	169.9	70.39
	-7.0	-7.6	177.9	68.07	177.9	68.72	176.8	69.37	176.8	70.00	176.8	70.63	174.5	71.20
	-5.0	-5.6	184.9	68.02	184.9	68.66	183.6	69.98	183.6	70.61	183.6	71.24	180.7	72.01
	-3.0	-3.7	191.7	69.96	191.7	70.60	190.5	71.23	190.5	71.86	190.5	72.49	187.7	72.82
	0.0	-0.7	202.0	58.88	202.0	57.50	200.7	56.12	200.7	54.86	199.5	53.72	185.7	52.62
	3.0	2.2	212.4	55.80	212.4	54.42	210.2	53.19	206.2	52.07	199.8	51.22	185.7	50.23
	5.0	4.1	218.7	53.75	218.2	52.35	213.4	51.24	206.2	50.21	199.8	49.56	185.7	48.63
	7.0	6.0	223.9	51.68	222.2	50.28	213.4	49.29	206.2	48.35	199.8	47.89	185.7	47.04
	9.0	7.9	224.6	50.13	222.2	48.78	213.4	47.82	206.2	46.90	199.8	46.46	185.7	45.63
	11.0	9.8	224.6	49.03	222.2	47.70	213.4	46.76	206.2	45.86	199.8	45.42	185.7	44.61
	13.0	11.8	224.6	47.83	222.2	46.53	213.4	45.61	206.2	44.74	199.8	44.32	185.7	43.53
15.0	13.7	224.6	46.55	222.2	45.29	213.4	44.40	206.2	43.56	199.8	43.14	185.7	42.37	
110	-24.8	-25	107.5	62.51	107.5	63.19	106.8	63.85	106.8	64.86	106.8	65.57	105.1	65.91
	-21.8	-22	130.8	63.54	130.8	64.22	129.9	64.86	129.9	65.89	129.9	66.59	127.9	66.93
	-19.8	-20	137.9	64.22	137.9	64.90	137.1	65.54	137.1	66.55	137.1	67.28	134.8	67.61
	-18.8	-19	141.0	64.55	141.0	65.23	140.1	65.89	140.1	66.90	140.1	67.61	137.9	68.73
	-16.7	-17	147.6	65.27	147.6	65.95	146.6	66.59	146.6	67.61	146.6	68.35	144.2	69.02
	-13.7	-15	156.8	66.28	156.8	66.96	155.7	67.61	155.7	68.23	155.7	68.96	153.7	69.57
	-11.8	-13	161.9	66.93	161.9	67.61	160.9	68.23	160.9	68.96	160.9	69.69	158.9	70.03
	-9.8	-11	167.3	67.61	167.3	68.23	166.3	68.96	166.3	69.69	166.3	70.42	164.9	70.90
	-9.5	-10	168.3	67.26	168.3	67.89	167.4	68.52	167.4	69.25	167.4	69.98	166.8	70.52
	-8.5	-9.1	171.8	68.08	171.8	68.70	170.7	69.31	170.7	70.04	170.7	70.77	169.9	71.03
	-7.0	-7.6	177.0	68.30	177.0	68.92	175.9	69.54	175.9	70.27	175.9	71.00	173.9	71.64
	-5.0	-5.6	183.8	69.95	183.8	70.57	182.6	71.19	182.6	71.92	182.6	72.65	180.7	72.85
	-3.0	-3.7	190.6	71.58	190.6	72.20	189.3	72.82	189.3	73.55	189.3	74.28	187.7	74.06
	0.0	-0.7	200.9	56.03	200.5	54.71	191.4	53.65	185.2	52.35	178.9	51.40	167.1	50.13
	3.0	2.2	210.7	52.49	204.0	51.42	191.4	50.60	185.2	49.60	178.9	48.81	167.1	47.49
	5.0	4.1	215.9	50.12	204.0	49.23	191.4	48.55	185.2	47.78	178.9	47.09	167.1	45.73
	7.0	6.0	215.9	47.77	204.0	47.05	191.4	46.52	185.2	45.95	178.9	45.36	167.1	43.96
	9.0	7.9	215.9	46.12	204.0	45.43	191.4	44.93	185.2	44.37	178.9	43.81	167.1	42.46
	11.0	9.8	215.9	44.89	204.0	44.21	191.4	43.71	185.2	43.18	178.9	42.63	167.1	41.32
	13.0	11.8	215.9	43.56	204.0	42.91	191.4	42.42	185.2	41.91	178.9	41.37	167.1	40.10
15.0	13.7	215.9	42.15	204.0	41.52	191.4	41.05	185.2	40.56	178.9	40.03	167.1	38.80	

# 7. Capacity Tables

Heating Capacity (56HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	107.0	69.23	107.0	69.01	106.4	64.50	106.4	68.49	106.4	68.26	104.6	68.16
	-21.8	-22	130.1	68.91	130.1	68.69	129.4	66.54	129.4	68.16	129.4	68.87	127.2	67.82
	-19.8	-20	137.3	68.69	137.3	68.48	136.5	67.83	136.5	67.95	136.5	68.04	134.3	67.61
	-18.8	-19	140.4	68.58	139.6	68.37	139.6	68.16	139.6	67.84	139.6	67.61	137.3	66.54
	-16.7	-17	146.0	68.35	146.0	68.14	146.0	68.87	145.2	67.61	145.2	65.38	142.8	64.27
	-13.7	-15	156.0	68.03	156.0	67.82	155.1	67.61	155.1	64.38	155.1	62.21	152.7	61.04
	-11.8	-13	161.1	67.82	160.2	67.61	160.2	65.45	160.2	62.33	160.2	60.20	152.7	59.00
	-9.8	-11	166.4	67.61	166.4	65.18	165.7	63.17	165.7	60.18	163.9	58.08	152.7	56.85
	-9.5	-10	167.4	67.23	167.4	64.82	166.6	62.82	166.6	59.86	163.9	57.76	152.7	56.51
	-8.5	-9.1	170.9	65.95	170.9	63.61	170.1	61.68	169.5	58.78	163.9	56.70	152.7	55.44
	-7.0	-7.6	178.9	64.05	178.2	61.79	175.1	59.97	169.5	57.17	163.9	55.11	152.7	53.83
	-5.0	-5.6	186.7	61.51	184.8	59.36	175.1	57.69	169.5	55.02	163.9	53.00	152.7	51.67
	-3.0	-3.7	192.1	58.96	186.3	56.92	175.1	55.42	169.5	52.87	163.9	50.88	152.7	49.52
	0.0	-0.7	197.5	55.15	186.3	53.29	175.1	51.98	169.5	49.64	163.9	47.70	152.7	46.29
	3.0	2.2	197.5	51.33	186.3	49.64	175.1	48.57	169.5	46.41	163.9	44.53	152.7	43.05
	5.0	4.1	197.5	48.78	186.3	47.22	175.1	46.29	169.5	44.26	163.9	42.40	152.7	40.89
	7.0	6.0	197.5	46.24	186.3	44.79	175.1	44.01	169.5	42.10	163.9	40.29	152.7	38.74
	9.0	7.9	197.5	44.41	186.3	43.02	175.1	42.28	169.5	40.44	163.9	38.69	152.7	37.21
	11.0	9.8	197.5	42.95	186.3	41.61	175.1	40.88	169.5	39.11	163.9	37.42	152.7	35.99
	13.0	11.8	197.5	41.40	186.3	40.10	175.1	39.41	169.5	37.69	163.9	36.07	152.7	34.70
15.0	13.7	197.5	39.76	186.3	38.51	175.1	37.85	169.5	36.21	163.9	34.64	152.7	33.32	
90	-24.8	-25	106.6	61.53	106.6	62.55	105.9	63.26	105.9	63.60	105.9	64.28	104.3	65.29
	-21.8	-22	129.6	62.55	129.6	63.57	128.9	64.28	128.9	64.61	128.9	65.29	126.7	62.47
	-19.8	-20	136.8	63.23	136.8	64.24	135.9	64.96	135.9	65.29	135.9	63.36	133.8	60.57
	-18.8	-19	140.4	63.57	139.6	64.59	139.0	65.29	139.0	64.29	139.0	62.38	136.8	59.62
	-16.7	-17	146.0	64.28	146.0	65.29	145.4	63.23	145.4	62.20	145.4	60.35	139.5	57.63
	-13.7	-15	156.0	65.29	156.0	62.22	154.6	60.27	154.6	59.19	150.3	57.44	139.5	54.80
	-11.8	-13	161.1	63.18	160.2	60.26	159.6	58.40	155.3	57.30	150.3	55.59	139.5	53.00
	-9.8	-11	166.4	60.96	166.4	58.21	160.2	56.42	155.3	55.30	150.3	53.66	139.5	51.12
	-9.5	-10	167.4	60.62	167.4	57.90	160.2	56.13	155.3	55.00	150.3	53.37	139.5	50.84
	-8.5	-9.1	170.9	59.52	169.6	56.88	160.2	55.15	155.3	54.00	150.3	52.40	139.5	49.88
	-7.0	-7.6	178.9	57.85	170.1	55.34	160.2	53.66	155.3	52.49	150.3	50.94	139.5	48.47
	-5.0	-5.6	180.8	55.62	170.1	53.28	160.2	51.68	155.3	50.51	150.3	49.00	139.5	46.57
	-3.0	-3.7	180.8	53.40	170.1	51.23	160.2	49.72	155.3	48.50	150.3	47.05	139.5	44.68
	0.0	-0.7	180.8	50.05	170.1	48.14	160.2	46.76	155.3	45.50	150.3	44.14	139.5	41.84
	3.0	2.2	180.8	46.71	170.1	45.07	160.2	43.81	155.3	42.49	150.3	41.24	139.5	39.01
	5.0	4.1	180.8	44.49	170.1	43.01	160.2	41.83	155.3	40.50	150.3	39.30	139.5	37.12
	7.0	6.0	180.8	42.26	170.1	40.96	160.2	39.86	155.3	38.50	150.3	37.35	139.5	35.22
	9.0	7.9	180.8	40.17	170.1	38.93	160.2	37.89	155.3	36.59	150.3	35.51	139.5	33.48
	11.0	9.8	180.8	38.07	170.1	36.90	160.2	35.92	155.3	34.69	150.3	33.66	139.5	31.74
	13.0	11.8	180.8	35.99	170.1	34.88	160.2	33.93	155.3	32.78	150.3	31.81	139.5	29.99
15.0	13.7	180.8	33.90	170.1	32.85	160.2	31.97	155.3	30.88	150.3	29.96	139.5	28.24	
80	-24.8	-25	106.1	54.13	106.1	55.15	105.5	55.87	105.5	56.20	105.5	57.90	103.8	55.40
	-21.8	-22	128.2	55.15	128.2	56.18	128.2	56.88	128.2	57.90	128.2	55.40	124.7	53.01
	-19.8	-20	135.4	55.83	135.4	56.86	135.4	57.90	135.4	56.13	133.8	53.74	124.7	51.41
	-18.8	-19	138.5	56.18	138.5	57.90	138.5	57.01	138.3	55.25	134.0	52.91	124.7	50.61
	-16.7	-17	143.3	57.90	143.3	56.03	143.3	55.13	139.0	53.41	134.0	51.17	124.7	48.93
	-13.7	-15	149.8	55.14	146.9	53.36	143.3	52.44	139.0	50.76	134.0	48.67	124.7	46.54
	-11.8	-13	153.6	53.36	149.1	51.68	143.3	50.74	139.0	49.08	134.0	47.09	124.7	45.03
	-9.8	-11	157.7	51.52	151.2	49.89	143.3	48.95	139.0	47.33	134.0	45.42	124.7	43.42
	-9.5	-10	158.8	51.25	152.0	49.63	143.3	48.69	139.0	47.06	134.0	45.16	124.7	43.19
	-8.5	-9.1	160.4	50.32	152.7	48.74	143.3	47.79	139.0	46.17	134.0	44.33	124.7	42.39
	-7.0	-7.6	162.0	48.93	152.7	47.40	143.3	46.45	139.0	44.85	134.0	43.08	124.7	41.20
	-5.0	-5.6	162.0	47.09	152.7	45.62	143.3	44.65	139.0	43.09	134.0	41.42	124.7	39.60
	-3.0	-3.7	162.0	45.24	152.7	43.84	143.3	42.86	139.0	41.32	134.0	39.76	124.7	38.01
	0.0	-0.7	162.0	42.46	152.7	41.17	143.3	40.18	139.0	38.68	134.0	37.26	124.7	35.60
	3.0	2.2	162.0	39.69	152.7	38.51	143.3	37.49	139.0	36.03	134.0	34.77	124.7	33.21
	5.0	4.1	162.0	37.84	152.7	36.72	143.3	35.71	139.0	34.27	134.0	33.10	124.7	31.61
	7.0	6.0	162.0	35.99	152.7	34.95	143.3	33.91	139.0	32.50	134.0	31.44	124.7	30.02
	9.0	7.9	162.0	33.80	152.7	32.81	143.3	31.85	139.0	30.52	134.0	29.52	124.7	28.18
	11.0	9.8	162.0	31.37	152.7	30.45	143.3	29.55	139.0	28.33	134.0	27.39	124.7	26.15
	13.0	11.8	162.0	29.28	152.7	28.43	143.3	27.59	139.0	26.45	134.0	25.57	124.7	24.42
15.0	13.7	162.0	27.56	152.7	26.76	143.3	25.97	139.0	24.89	134.0	24.07	124.7	22.99	

# 7. Capacity Tables

Heating Capacity (56HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	106.1	54.36	106.1	54.69	105.5	55.38	105.5	56.39	105.5	53.69	103.7	51.17
	-21.8	-22	122.8	55.38	122.8	55.72	122.0	56.39	117.8	53.69	114.3	51.17	106.7	48.73
	-19.8	-20	133.9	56.05	129.7	56.39	122.0	54.49	117.8	51.89	114.3	49.49	106.7	47.10
	-18.8	-19	137.1	56.39	129.7	55.41	122.0	53.54	117.8	50.99	114.3	48.65	106.7	46.29
	-16.7	-17	137.3	54.36	129.7	53.35	122.0	51.55	117.8	49.10	114.3	46.87	106.7	44.58
	-13.7	-15	137.3	51.45	129.7	50.40	122.0	48.72	117.8	46.40	114.3	44.35	106.7	42.14
	-11.8	-13	137.3	49.59	129.7	48.54	122.0	46.91	117.8	44.68	114.3	42.75	106.7	40.60
	-9.8	-11	137.3	47.65	129.7	46.57	122.0	45.01	117.8	42.89	114.3	41.06	106.7	38.96
	-9.5	-10	137.3	47.36	129.7	46.28	122.0	44.73	117.8	42.62	114.3	40.80	106.7	38.73
	-8.5	-9.1	137.3	46.40	129.7	45.30	122.0	43.78	117.8	41.72	114.3	39.96	106.7	37.91
	-7.0	-7.6	137.3	44.94	129.7	43.83	122.0	42.35	117.8	40.36	114.3	38.71	106.7	36.69
	-5.0	-5.6	137.3	42.99	129.7	41.86	122.0	40.45	117.8	38.56	114.3	37.03	106.7	35.07
	-3.0	-3.7	137.3	41.05	129.7	39.90	122.0	38.56	117.8	36.75	114.3	35.34	106.7	33.44
	0.0	-0.7	137.3	38.14	129.7	36.96	122.0	35.71	117.8	34.06	114.3	32.82	106.7	30.99
	3.0	2.2	137.3	35.22	129.7	34.00	122.0	32.87	117.8	31.36	114.3	30.28	106.7	28.57
	5.0	4.1	137.3	33.29	129.7	32.05	122.0	30.98	117.8	29.55	114.3	28.61	106.7	26.93
	7.0	6.0	137.3	31.34	129.7	30.08	122.0	29.08	117.8	27.76	114.3	26.92	106.7	25.31
	9.0	7.9	137.3	28.30	129.7	27.16	122.0	26.26	117.8	25.06	114.3	24.31	106.7	22.86
	11.0	9.8	137.3	26.35	129.7	25.30	122.0	24.45	117.8	23.33	114.3	22.64	106.7	21.28
	13.0	11.8	137.3	24.66	129.7	23.67	122.0	22.87	117.8	21.84	114.3	21.17	106.7	19.91
15.0	13.7	137.3	23.25	129.7	22.32	122.0	21.56	117.8	20.59	114.3	19.96	106.7	18.76	
60	-24.8	-25	104.9	53.60	104.9	54.28	104.2	55.30	101.1	52.43	97.6	49.73	91.4	47.20
	-21.8	-22	112.6	54.61	111.5	55.30	104.6	52.43	101.1	49.73	97.6	47.20	91.4	44.76
	-19.8	-20	117.8	55.30	111.5	53.27	104.6	50.51	101.1	47.94	97.6	45.50	91.4	43.12
	-18.8	-19	117.8	54.27	111.5	52.25	104.6	49.55	101.1	47.03	97.6	44.67	91.4	42.30
	-16.7	-17	117.8	52.12	111.5	50.11	104.6	47.53	101.1	45.15	97.6	42.90	91.4	40.61
	-13.7	-15	117.8	49.05	111.5	47.08	104.6	44.67	101.1	42.45	97.6	40.36	91.4	38.15
	-11.8	-13	117.8	47.09	111.5	45.14	104.6	42.85	101.1	40.74	97.6	38.75	91.4	36.60
	-9.8	-11	117.8	45.04	111.5	43.11	104.6	40.92	101.1	38.96	97.6	37.06	91.4	34.98
	-9.5	-10	117.8	44.73	111.5	42.81	104.6	40.64	101.1	38.68	97.6	36.81	91.4	34.74
	-8.5	-9.1	117.8	43.70	111.5	41.78	104.6	39.68	101.1	37.78	97.6	35.97	91.4	33.91
	-7.0	-7.6	117.8	42.17	111.5	40.26	104.6	38.24	101.1	36.44	97.6	34.71	91.4	32.69
	-5.0	-5.6	117.8	40.11	111.5	38.23	104.6	36.33	101.1	34.64	97.6	33.01	91.4	31.06
	-3.0	-3.7	117.8	38.07	111.5	36.20	104.6	34.41	101.1	32.84	97.6	31.32	91.4	29.43
	0.0	-0.7	117.8	34.98	111.5	33.15	104.6	31.53	101.1	30.15	97.6	28.79	91.4	26.99
	3.0	2.2	117.8	31.91	111.5	30.10	104.6	28.66	101.1	27.46	97.6	26.27	91.4	24.55
	5.0	4.1	117.8	29.85	111.5	28.07	104.6	26.75	101.1	25.66	97.6	24.58	91.4	22.91
	7.0	6.0	117.8	27.80	111.5	26.04	104.6	24.83	101.1	23.85	97.6	22.89	91.4	21.28
	9.0	7.9	117.8	24.80	111.5	23.23	104.6	22.16	101.1	21.28	97.6	20.43	91.4	18.98
	11.0	9.8	117.8	23.16	111.5	21.69	104.6	20.68	101.1	19.88	97.6	19.07	91.4	17.72
	13.0	11.8	117.8	21.69	111.5	20.32	104.6	19.38	101.1	18.62	97.6	17.86	91.4	16.62
15.0	13.7	117.8	20.50	111.5	19.21	104.6	18.32	101.1	17.60	97.6	16.88	91.4	15.70	
50	-24.8	-25	98.3	47.05	92.7	48.07	87.2	45.51	84.4	43.13	81.5	40.88	75.9	38.77
	-21.8	-22	98.3	48.07	92.7	45.51	87.2	43.13	84.4	40.88	81.5	38.77	75.9	36.75
	-19.8	-20	98.3	46.29	92.7	43.81	87.2	41.53	84.4	39.37	81.5	37.38	75.9	35.41
	-18.8	-19	98.3	45.39	92.7	42.96	87.2	40.74	84.4	38.61	81.5	36.67	75.9	34.74
	-16.7	-17	98.3	43.53	92.7	41.18	87.2	39.07	84.4	37.04	81.5	35.20	75.9	33.32
	-13.7	-15	98.3	40.85	92.7	38.61	87.2	36.69	84.4	34.78	81.5	33.10	75.9	31.31
	-11.8	-13	98.3	39.16	92.7	37.00	87.2	35.17	84.4	33.34	81.5	31.77	75.9	30.03
	-9.8	-11	98.3	37.38	92.7	35.30	87.2	33.58	84.4	31.85	81.5	30.38	75.9	28.68
	-9.5	-10	98.3	37.11	92.7	35.05	87.2	33.35	84.4	31.62	81.5	30.17	75.9	28.48
	-8.5	-9.1	98.3	36.23	92.7	34.19	87.2	32.56	84.4	30.87	81.5	29.46	75.9	27.80
	-7.0	-7.6	98.3	34.90	92.7	32.92	87.2	31.36	84.4	29.75	81.5	28.42	75.9	26.79
	-5.0	-5.6	98.3	33.11	92.7	31.22	87.2	29.77	84.4	28.24	81.5	27.02	75.9	25.44
	-3.0	-3.7	98.3	31.33	92.7	29.52	87.2	28.18	84.4	26.73	81.5	25.62	75.9	24.10
	0.0	-0.7	98.3	28.67	92.7	26.95	87.2	25.78	84.4	24.48	81.5	23.52	75.9	22.08
	3.0	2.2	98.3	25.99	92.7	24.40	87.2	23.41	84.4	22.22	81.5	21.41	75.9	20.07
	5.0	4.1	98.3	24.21	92.7	22.70	87.2	21.82	84.4	20.72	81.5	20.02	75.9	18.72
	7.0	6.0	98.3	22.43	92.7	21.00	87.2	20.23	84.4	19.22	81.5	18.62	75.9	17.37
	9.0	7.9	98.3	20.25	92.7	18.96	87.2	18.27	84.4	17.35	81.5	16.82	75.9	15.68
	11.0	9.8	98.3	18.95	92.7	17.75	87.2	17.09	84.4	16.24	81.5	15.73	75.9	14.68
	13.0	11.8	98.3	17.80	92.7	16.66	87.2	16.04	84.4	15.25	81.5	14.77	75.9	13.78
15.0	13.7	98.3	16.83	92.7	15.77	87.2	15.18	84.4	14.42	81.5	13.98	75.9	13.04	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN580BTE5

Heating Capacity (58HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	112.7	64.59	112.7	65.12	112.1	65.56	112.1	66.26	112.1	66.93	110.3	67.97
	-21.8	-22	137.2	65.64	137.2	66.16	136.3	66.62	136.3	67.32	136.3	67.97	134.1	69.02
	-19.8	-20	144.7	66.33	144.7	66.86	143.7	67.32	143.7	68.01	143.7	68.66	141.5	69.71
	-18.8	-19	148.0	66.68	148.0	67.20	147.0	67.65	147.0	68.35	147.0	69.02	144.7	70.07
	-16.7	-17	154.8	67.41	154.8	67.94	153.8	68.39	153.8	69.08	153.8	69.74	151.3	70.79
	-13.7	-15	164.5	68.46	164.5	68.98	163.5	69.43	163.5	70.13	163.5	70.79	160.8	68.08
	-11.8	-13	169.9	69.12	169.9	69.65	168.9	70.09	168.9	70.79	168.9	68.96	166.9	66.35
	-9.8	-11	175.6	69.82	175.6	70.33	174.4	70.79	174.4	68.83	174.4	67.04	172.9	64.54
	-9.5	-10	176.6	69.92	176.6	70.45	175.5	70.49	175.5	68.54	175.3	66.75	173.9	64.27
	-8.5	-9.1	180.2	70.27	180.2	70.79	179.1	69.48	179.1	67.57	178.2	65.78	176.9	63.36
	-7.0	-7.6	185.6	70.79	185.6	69.33	184.4	67.99	184.4	66.10	184.4	64.34	182.1	62.00
	-5.0	-5.6	192.8	68.88	192.8	67.36	191.5	65.99	191.5	64.14	191.5	62.41	188.4	60.19
	-3.0	-3.7	200.0	66.98	200.0	65.40	198.7	63.99	198.7	62.19	198.7	60.48	194.7	58.38
	0.0	-0.7	210.7	64.11	210.7	62.46	209.4	60.98	209.4	59.25	209.4	57.58	204.0	55.66
	3.0	2.2	221.5	61.25	221.5	59.51	220.1	57.98	220.1	56.32	218.6	54.71	204.8	52.94
	5.0	4.1	228.1	59.35	228.1	57.55	226.9	55.98	225.7	54.36	219.9	52.78	204.8	51.13
	7.0	6.0	233.5	57.44	233.5	55.59	232.1	53.97	228.0	52.40	219.9	50.85	204.8	49.32
	9.0	7.9	234.5	55.86	234.5	54.06	233.7	52.49	228.0	50.97	219.9	49.44	204.8	47.96
	11.0	9.8	234.5	54.77	234.5	53.01	233.7	51.47	228.0	49.96	219.9	48.47	204.8	47.03
	13.0	11.8	234.5	53.60	234.5	51.88	233.7	50.37	228.0	48.89	219.9	47.44	204.8	46.02
15.0	13.7	234.5	52.33	234.5	50.65	233.7	49.18	228.0	47.74	219.9	46.32	204.8	44.94	
120	-24.8	-25	112.0	65.12	112.0	65.56	111.3	66.26	111.3	66.93	111.3	67.97	109.5	68.70
	-21.8	-22	136.2	66.16	136.2	66.62	135.3	67.32	135.3	67.97	135.3	69.02	133.2	69.74
	-19.8	-20	143.7	66.86	143.7	67.32	142.7	68.01	142.7	68.66	142.7	69.71	140.5	70.45
	-18.8	-19	146.9	67.20	146.9	67.65	145.9	68.35	145.9	69.02	145.9	70.07	143.7	70.79
	-16.7	-17	153.7	67.94	153.7	68.39	152.7	69.08	152.7	69.74	152.7	70.79	150.2	69.04
	-13.7	-15	163.3	68.98	163.3	69.43	162.3	70.13	162.3	70.79	162.3	68.18	159.7	66.55
	-11.8	-13	168.6	69.65	168.6	70.09	167.6	70.79	167.6	68.94	167.6	66.53	165.6	64.96
	-9.8	-11	174.3	70.33	174.3	70.79	173.3	68.75	173.3	67.00	173.3	64.79	171.8	63.30
	-9.5	-10	175.4	70.45	175.4	70.47	174.4	68.45	174.4	66.71	174.4	64.53	172.8	63.04
	-8.5	-9.1	179.0	70.79	179.0	69.39	177.7	67.44	177.7	65.74	177.7	63.67	176.0	62.21
	-7.0	-7.6	184.3	69.19	184.3	67.78	183.2	65.91	183.2	64.29	183.0	62.37	180.8	60.96
	-5.0	-5.6	191.5	67.04	191.5	65.62	190.2	63.87	190.2	62.34	190.2	60.62	187.1	59.30
	-3.0	-3.7	198.6	64.90	198.6	63.47	197.3	61.84	197.3	60.40	197.3	58.89	192.4	57.64
	0.0	-0.7	209.2	61.68	209.2	60.24	207.8	58.79	207.8	57.48	206.6	56.28	192.4	55.14
	3.0	2.2	219.9	58.47	219.9	57.02	217.7	55.73	213.6	54.56	207.0	53.68	192.4	52.64
	5.0	4.1	226.5	56.32	226.0	54.87	221.1	53.70	213.6	52.62	207.0	51.94	192.4	50.97
	7.0	6.0	231.9	54.17	230.2	52.70	221.1	51.66	213.6	50.68	207.0	50.19	192.4	49.30
	9.0	7.9	232.6	52.56	230.2	51.13	221.1	50.13	213.6	49.17	207.0	48.70	192.4	47.84
	11.0	9.8	232.6	51.41	230.2	50.01	221.1	49.03	213.6	48.09	207.0	47.63	192.4	46.78
	13.0	11.8	232.6	50.16	230.2	48.80	221.1	47.84	213.6	46.92	207.0	46.48	192.4	45.65
15.0	13.7	232.6	48.83	230.2	47.51	221.1	46.57	213.6	45.69	207.0	45.26	192.4	44.44	
110	-24.8	-25	111.4	65.56	111.4	66.26	110.7	66.93	110.7	67.97	110.7	68.70	108.9	69.05
	-21.8	-22	135.5	66.62	135.5	67.32	134.6	67.97	134.6	69.02	134.6	69.74	132.5	70.09
	-19.8	-20	142.9	67.32	142.9	68.01	142.1	68.66	142.1	69.71	142.1	70.45	139.7	70.79
	-18.8	-19	146.1	67.65	146.1	68.35	145.1	69.02	145.1	70.07	145.1	70.79	142.9	69.87
	-16.7	-17	152.9	68.39	152.9	69.08	151.9	69.74	151.9	70.79	151.9	68.90	149.4	67.93
	-13.7	-15	162.4	69.43	162.4	70.13	161.4	70.79	161.4	67.93	161.4	66.19	161.4	65.18
	-11.8	-13	167.8	70.09	167.8	70.79	166.7	68.77	166.7	66.12	166.7	64.48	166.7	63.41
	-9.8	-11	173.3	70.79	173.3	68.50	172.3	66.64	172.3	64.21	172.3	62.68	171.5	61.57
	-9.5	-10	174.4	70.42	174.4	68.16	173.4	66.32	173.4	63.92	173.4	62.41	172.8	61.29
	-8.5	-9.1	178.0	69.19	178.0	67.02	176.9	65.26	176.9	62.96	176.9	61.51	173.1	60.38
	-7.0	-7.6	183.3	67.33	183.3	65.31	182.2	63.65	182.2	61.53	182.2	60.16	173.1	58.99
	-5.0	-5.6	190.4	64.87	190.4	63.02	189.1	61.53	189.1	59.63	185.3	58.36	173.1	57.15
	-3.0	-3.7	197.5	62.41	197.5	60.73	196.1	59.40	191.9	57.72	185.3	56.56	173.1	55.30
	0.0	-0.7	208.1	58.70	207.7	57.31	198.3	56.21	191.9	54.85	185.3	53.85	173.1	52.53
	3.0	2.2	218.3	55.00	211.3	53.88	198.3	53.02	191.9	51.98	185.3	51.15	173.1	49.77
	5.0	4.1	223.6	52.53	211.3	51.60	198.3	50.88	191.9	50.07	185.3	49.35	173.1	47.93
	7.0	6.0	223.6	50.07	211.3	49.32	198.3	48.76	191.9	48.16	185.3	47.55	173.1	46.08
	9.0	7.9	223.6	48.35	211.3	47.62	198.3	47.10	191.9	46.52	185.3	45.93	173.1	44.51
	11.0	9.8	223.6	47.07	211.3	46.36	198.3	45.83	191.9	45.28	185.3	44.70	173.1	43.32
	13.0	11.8	223.6	45.68	211.3	45.00	198.3	44.49	191.9	43.95	185.3	43.39	173.1	42.05
15.0	13.7	223.6	44.22	211.3	43.55	198.3	43.06	191.9	42.54	185.3	41.99	173.1	40.70	

# 7. Capacity Tables

Heating Capacity (58HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	110.9	72.57	110.9	72.34	110.2	67.58	110.2	71.76	110.2	71.50	108.4	71.40
	-21.8	-22	134.8	72.22	134.8	71.99	134.1	69.71	134.1	71.40	134.1	72.13	131.8	71.02
	-19.8	-20	142.3	71.99	142.3	71.75	141.4	71.06	141.4	71.16	141.4	71.24	139.2	70.79
	-18.8	-19	145.4	71.86	144.6	71.63	144.6	71.40	144.6	71.04	144.6	70.79	142.2	69.67
	-16.7	-17	151.3	71.61	151.3	71.38	151.3	72.13	150.4	70.79	150.4	68.46	147.9	67.30
	-13.7	-15	161.6	71.26	161.6	71.02	160.7	70.79	160.7	67.42	160.7	65.15	158.2	63.92
	-11.8	-13	166.9	71.02	166.0	70.79	166.0	68.53	166.0	65.28	166.0	63.04	158.2	61.79
	-9.8	-11	172.4	70.79	172.4	68.26	171.6	66.15	171.6	63.02	169.8	60.83	158.2	59.53
	-9.5	-10	173.4	70.39	173.4	67.88	172.6	65.78	172.6	62.69	169.8	60.50	158.2	59.19
	-8.5	-9.1	177.0	69.06	177.0	66.61	176.2	64.60	175.6	61.56	169.8	59.39	158.2	58.07
	-7.0	-7.6	185.3	67.07	184.6	64.71	181.4	62.81	175.6	59.88	169.8	57.73	158.2	56.38
	-5.0	-5.6	193.4	64.41	191.5	62.17	181.4	60.43	175.6	57.63	169.8	55.51	158.2	54.13
	-3.0	-3.7	199.0	61.75	193.0	59.62	181.4	58.05	175.6	55.38	169.8	53.30	158.2	51.88
	0.0	-0.7	204.6	57.77	193.0	55.83	181.4	54.46	175.6	52.01	169.8	49.97	158.2	48.50
	3.0	2.2	204.6	53.79	193.0	52.02	181.4	50.90	175.6	48.63	169.8	46.66	158.2	45.11
	5.0	4.1	204.6	51.12	193.0	49.48	181.4	48.51	175.6	46.39	169.8	44.43	158.2	42.85
	7.0	6.0	204.6	48.47	193.0	46.95	181.4	46.13	175.6	44.13	169.8	42.23	158.2	40.60
	9.0	7.9	204.6	46.56	193.0	45.10	181.4	44.32	175.6	42.39	169.8	40.57	158.2	39.01
	11.0	9.8	204.6	45.04	193.0	43.64	181.4	42.86	175.6	41.02	169.8	39.24	158.2	37.74
	13.0	11.8	204.6	43.42	193.0	42.07	181.4	41.33	175.6	39.54	169.8	37.83	158.2	36.40
15.0	13.7	204.6	41.72	193.0	40.40	181.4	39.71	175.6	37.99	169.8	36.35	158.2	34.96	
90	-24.8	-25	110.4	64.52	110.4	65.57	109.8	66.30	109.8	66.65	109.8	67.34	108.1	68.38
	-21.8	-22	134.3	65.57	134.3	66.61	133.6	67.34	133.6	67.68	133.6	68.38	131.3	65.42
	-19.8	-20	141.7	66.26	141.7	67.30	140.8	68.04	140.8	68.38	140.8	68.38	138.6	63.44
	-18.8	-19	145.4	66.61	144.6	67.66	144.0	68.38	144.0	67.33	144.0	65.34	141.7	62.45
	-16.7	-17	151.3	67.34	151.3	68.38	150.6	66.22	150.6	65.14	150.6	63.21	144.5	60.37
	-13.7	-15	161.6	68.38	161.6	65.17	160.1	63.13	160.1	62.00	155.7	60.17	144.5	57.40
	-11.8	-13	166.9	66.17	166.0	63.12	165.4	61.17	160.8	60.02	155.7	58.23	144.5	55.52
	-9.8	-11	172.4	63.85	172.4	60.97	166.0	59.10	160.8	57.93	155.7	56.21	144.5	53.25
	-9.5	-10	173.4	63.50	173.4	60.65	166.0	58.79	160.8	57.61	155.7	55.91	144.5	53.55
	-8.5	-9.1	177.0	62.34	175.8	59.58	166.0	57.77	160.8	56.56	155.7	54.89	144.5	52.26
	-7.0	-7.6	185.3	60.59	176.3	57.97	166.0	56.21	160.8	54.99	155.7	53.37	144.5	50.78
	-5.0	-5.6	187.3	58.26	176.3	55.81	166.0	54.15	160.8	52.91	155.7	51.34	144.5	48.79
	-3.0	-3.7	187.3	55.94	176.3	53.68	166.0	52.09	160.8	50.81	155.7	49.30	144.5	46.81
	0.0	-0.7	187.3	52.44	176.3	50.44	166.0	48.99	160.8	47.68	155.7	46.26	144.5	43.85
	3.0	2.2	187.3	48.95	176.3	47.23	166.0	45.91	160.8	44.53	155.7	43.21	144.5	40.88
	5.0	4.1	187.3	46.63	176.3	45.08	166.0	43.84	160.8	42.44	155.7	41.19	144.5	38.90
	7.0	6.0	187.3	44.30	176.3	42.93	166.0	41.78	160.8	40.35	155.7	39.15	144.5	36.92
	9.0	7.9	187.3	42.11	176.3	40.81	166.0	39.72	160.8	38.36	155.7	37.22	144.5	35.10
	11.0	9.8	187.3	39.92	176.3	38.69	166.0	37.66	160.8	36.37	155.7	35.29	144.5	33.27
	13.0	11.8	187.3	37.73	176.3	36.57	166.0	35.58	160.8	34.37	155.7	33.35	144.5	31.45
15.0	13.7	187.3	35.55	176.3	34.45	166.0	33.52	160.8	32.39	155.7	31.42	144.5	29.62	
80	-24.8	-25	110.0	56.77	110.0	57.82	109.3	58.56	109.3	58.90	109.3	60.64	107.6	58.03
	-21.8	-22	132.9	57.82	132.9	58.87	132.9	59.59	132.9	60.64	132.9	58.03	129.1	55.52
	-19.8	-20	140.3	58.51	140.3	59.57	140.3	60.64	140.3	58.79	138.6	56.29	129.1	53.85
	-18.8	-19	143.4	58.87	143.4	60.64	143.4	59.70	143.3	57.87	138.8	55.41	129.1	53.01
	-16.7	-17	148.4	60.64	148.4	58.68	148.4	57.74	144.0	55.93	138.8	53.59	129.1	51.25
	-13.7	-15	155.2	57.75	152.1	55.89	148.4	54.93	144.0	53.17	138.8	50.98	129.1	48.75
	-11.8	-13	159.1	55.89	154.4	54.13	148.4	53.15	144.0	51.41	138.8	49.32	129.1	47.17
	-9.8	-11	163.4	53.97	156.7	52.26	148.4	51.28	144.0	49.57	138.8	47.58	129.1	45.49
	-9.5	-10	164.5	53.68	157.5	51.98	148.4	51.00	144.0	49.30	138.8	47.31	129.1	45.25
	-8.5	-9.1	166.2	52.71	158.2	51.05	148.4	50.06	144.0	48.37	138.8	46.44	129.1	44.41
	-7.0	-7.6	167.8	51.26	158.2	49.66	148.4	48.66	144.0	46.99	138.8	45.14	129.1	43.16
	-5.0	-5.6	167.8	49.33	158.2	47.79	148.4	46.78	144.0	45.15	138.8	43.40	129.1	41.49
	-3.0	-3.7	167.8	47.39	158.2	45.93	148.4	44.90	144.0	43.29	138.8	41.66	129.1	39.82
	0.0	-0.7	167.8	44.49	158.2	43.14	148.4	42.10	144.0	40.53	138.8	39.05	129.1	37.31
	3.0	2.2	167.8	41.59	158.2	40.36	148.4	39.29	144.0	37.76	138.8	36.43	129.1	34.81
	5.0	4.1	167.8	39.65	158.2	38.49	148.4	37.43	144.0	35.91	138.8	34.69	129.1	33.13
	7.0	6.0	167.8	37.73	158.2	36.63	148.4	35.55	144.0	34.06	138.8	32.95	129.1	31.47
	9.0	7.9	167.8	35.43	158.2	34.39	148.4	33.38	144.0	31.99	138.8	30.94	129.1	29.54
	11.0	9.8	167.8	32.88	158.2	31.92	148.4	30.98	144.0	29.70	138.8	28.71	129.1	27.41
	13.0	11.8	167.8	30.69	158.2	29.80	148.4	28.92	144.0	27.72	138.8	26.80	129.1	25.59
15.0	13.7	167.8	28.89	158.2	28.05	148.4	27.22	144.0	26.09	138.8	25.23	129.1	24.10	



# 7. Capacity Tables

Heating Capacity (58HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	110.0	56.98	110.0	57.32	109.3	58.02	109.3	59.07	109.3	56.23	110.5	53.60
	-21.8	-22	127.2	58.02	127.2	58.37	126.4	59.07	122.0	56.23	118.5	53.60	110.5	51.04
	-19.8	-20	138.6	58.72	134.3	59.07	126.4	57.08	122.0	54.35	118.5	51.84	110.5	49.34
	-18.8	-19	142.1	59.07	134.3	58.03	126.4	56.08	122.0	53.41	118.5	50.96	110.5	48.49
	-16.7	-17	142.3	56.93	134.3	55.88	126.4	54.00	122.0	51.43	118.5	49.10	110.5	46.70
	-13.7	-15	142.3	53.89	134.3	52.79	126.4	51.03	122.0	48.60	118.5	46.46	110.5	44.14
	-11.8	-13	142.3	51.95	134.3	50.85	126.4	49.14	122.0	46.81	118.5	44.78	110.5	42.53
	-9.8	-11	142.3	49.92	134.3	48.78	126.4	47.15	122.0	44.93	118.5	43.02	110.5	40.82
	-9.5	-10	142.3	49.61	134.3	48.49	126.4	46.86	122.0	44.65	118.5	42.75	110.5	40.57
	-8.5	-9.1	142.3	48.61	134.3	47.45	126.4	45.87	122.0	43.71	118.5	41.87	110.5	39.72
	-7.0	-7.6	142.3	47.08	134.3	45.92	126.4	44.37	122.0	42.28	118.5	40.55	110.5	38.45
	-5.0	-5.6	142.3	45.04	134.3	43.86	126.4	42.38	122.0	40.40	118.5	38.80	110.5	36.74
	-3.0	-3.7	142.3	43.01	134.3	41.81	126.4	40.40	122.0	38.51	118.5	37.03	110.5	35.04
	0.0	-0.7	142.3	39.97	134.3	38.73	126.4	37.42	122.0	35.69	118.5	34.39	110.5	32.48
	3.0	2.2	142.3	36.91	134.3	35.63	126.4	34.45	122.0	32.87	118.5	31.74	110.5	29.94
	5.0	4.1	142.3	34.89	134.3	33.59	126.4	32.47	122.0	30.97	118.5	29.98	110.5	28.22
	7.0	6.0	142.3	32.85	134.3	31.53	126.4	30.48	122.0	29.09	118.5	28.22	110.5	26.53
	9.0	7.9	142.3	29.67	134.3	28.47	126.4	27.52	122.0	26.27	118.5	25.48	110.5	23.96
	11.0	9.8	142.3	27.62	134.3	26.51	126.4	25.62	122.0	24.46	118.5	23.73	110.5	22.31
	13.0	11.8	142.3	25.85	134.3	24.81	126.4	23.97	122.0	22.90	118.5	22.19	110.5	20.87
15.0	13.7	142.3	24.37	134.3	23.39	126.4	22.60	122.0	21.58	118.5	20.92	110.5	19.67	
60	-24.8	-25	108.6	56.20	108.6	56.90	108.0	57.95	104.7	54.93	101.1	52.11	94.6	49.46
	-21.8	-22	116.6	57.24	115.5	57.95	108.4	54.93	104.7	52.11	101.1	49.46	94.6	46.90
	-19.8	-20	122.0	57.95	115.5	55.82	108.4	52.93	104.7	50.23	101.1	47.68	94.6	45.18
	-18.8	-19	122.0	56.87	115.5	54.75	108.4	51.92	104.7	49.28	101.1	46.80	94.6	44.33
	-16.7	-17	122.0	54.61	115.5	52.51	108.4	49.81	104.7	47.31	101.1	44.95	94.6	42.55
	-13.7	-15	122.0	51.40	115.5	49.33	108.4	46.81	104.7	44.48	101.1	42.30	94.6	39.98
	-11.8	-13	122.0	49.34	115.5	47.30	108.4	44.90	104.7	42.70	101.1	40.61	94.6	38.36
	-9.8	-11	122.0	47.19	115.5	45.17	108.4	42.88	104.7	40.82	101.1	38.84	94.6	36.65
	-9.5	-10	122.0	46.87	115.5	44.86	108.4	42.58	104.7	40.53	101.1	38.58	94.6	36.40
	-8.5	-9.1	122.0	45.79	115.5	43.79	108.4	41.58	104.7	39.60	101.1	37.69	94.6	35.54
	-7.0	-7.6	122.0	44.19	115.5	42.19	108.4	40.08	104.7	38.19	101.1	36.38	94.6	34.26
	-5.0	-5.6	122.0	42.04	115.5	40.07	108.4	38.07	104.7	36.30	101.1	34.60	94.6	32.55
	-3.0	-3.7	122.0	39.89	115.5	37.94	108.4	36.06	104.7	34.42	101.1	32.83	94.6	30.85
	0.0	-0.7	122.0	36.66	115.5	34.74	108.4	33.05	104.7	31.60	101.1	30.17	94.6	28.29
	3.0	2.2	122.0	33.44	115.5	31.55	108.4	30.04	104.7	28.78	101.1	27.53	94.6	25.73
	5.0	4.1	122.0	31.29	115.5	29.42	108.4	28.03	104.7	26.90	101.1	25.76	94.6	24.01
	7.0	6.0	122.0	29.14	115.5	27.29	108.4	26.02	104.7	25.00	101.1	23.99	94.6	22.31
	9.0	7.9	122.0	25.99	115.5	24.35	108.4	23.23	104.7	22.31	101.1	21.41	94.6	19.90
	11.0	9.8	122.0	24.27	115.5	22.74	108.4	21.68	104.7	20.84	101.1	19.99	94.6	18.58
	13.0	11.8	122.0	22.74	115.5	21.30	108.4	20.31	104.7	19.52	101.1	18.72	94.6	17.42
15.0	13.7	122.0	21.49	115.5	20.14	108.4	19.20	104.7	18.44	101.1	17.70	94.6	16.46	
50	-24.8	-25	101.8	49.29	96.0	50.35	90.3	47.66	87.4	45.17	84.5	42.81	78.7	40.61
	-21.8	-22	101.8	50.35	96.0	47.66	90.3	45.17	87.4	42.81	84.5	40.61	78.7	38.49
	-19.8	-20	101.8	48.48	96.0	45.88	90.3	43.50	87.4	41.23	84.5	39.15	78.7	37.09
	-18.8	-19	101.8	47.54	96.0	44.99	90.3	42.67	87.4	40.44	84.5	38.41	78.7	36.39
	-16.7	-17	101.8	45.59	96.0	43.13	90.3	40.93	87.4	38.80	84.5	36.87	78.7	34.90
	-13.7	-15	101.8	42.79	96.0	40.45	90.3	38.43	87.4	36.43	84.5	34.68	78.7	32.80
	-11.8	-13	101.8	41.02	96.0	38.76	90.3	36.85	87.4	34.93	84.5	33.28	78.7	31.46
	-9.8	-11	101.8	39.15	96.0	36.98	90.3	35.18	87.4	33.37	84.5	31.82	78.7	30.04
	-9.5	-10	101.8	38.87	96.0	36.72	90.3	34.93	87.4	33.13	84.5	31.61	78.7	29.83
	-8.5	-9.1	101.8	37.95	96.0	35.82	90.3	34.10	87.4	32.33	84.5	30.87	78.7	29.12
	-7.0	-7.6	101.8	36.56	96.0	34.49	90.3	32.86	87.4	31.16	84.5	29.78	78.7	28.07
	-5.0	-5.6	101.8	34.68	96.0	32.70	90.3	31.19	87.4	29.59	84.5	28.31	78.7	26.66
	-3.0	-3.7	101.8	32.82	96.0	30.92	90.3	29.52	87.4	28.01	84.5	26.84	78.7	25.25
	0.0	-0.7	101.8	30.04	96.0	28.24	90.3	27.02	87.4	25.65	84.5	24.64	78.7	23.13
	3.0	2.2	101.8	27.23	96.0	25.57	90.3	24.53	87.4	23.29	84.5	22.44	78.7	21.03
	5.0	4.1	101.8	25.37	96.0	23.79	90.3	22.87	87.4	21.71	84.5	20.99	78.7	19.62
	7.0	6.0	101.8	23.51	96.0	22.01	90.3	21.20	87.4	20.14	84.5	19.52	78.7	18.21
	9.0	7.9	101.8	21.23	96.0	19.88	90.3	19.15	87.4	18.18	84.5	17.63	78.7	16.43
	11.0	9.8	101.8	19.86	96.0	18.60	90.3	17.91	87.4	17.02	84.5	16.49	78.7	15.39
	13.0	11.8	101.8	18.65	96.0	17.47	90.3	16.81	87.4	15.98	84.5	15.49	78.7	14.45
15.0	13.7	101.8	17.64	96.0	16.53	90.3	15.92	87.4	15.11	84.5	14.66	78.7	13.67	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN600BTE5

Heating Capacity (60HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	114.7	65.08	114.7	65.74	114.0	66.29	114.0	67.16	114.0	68.00	112.3	69.29
	-21.8	-22	140.4	66.38	140.4	67.04	139.4	67.61	139.4	68.48	139.4	69.29	137.1	70.61
	-19.8	-20	148.4	67.25	148.4	67.91	147.4	68.48	147.4	69.35	147.4	70.16	145.1	71.46
	-18.8	-19	151.9	67.69	151.9	68.33	150.9	68.90	150.9	69.77	150.9	70.61	148.4	71.91
	-16.7	-17	159.0	68.60	159.0	69.26	158.0	69.81	158.0	70.68	158.0	71.51	155.4	72.81
	-13.7	-15	169.1	69.90	169.1	70.55	168.1	71.12	168.1	71.99	168.1	72.81	165.3	70.03
	-11.8	-13	174.6	70.73	174.6	71.39	173.6	71.94	173.6	72.81	173.6	70.94	171.6	68.25
	-9.8	-11	180.4	71.60	180.4	72.24	179.3	72.81	179.3	70.81	179.3	68.96	177.9	66.39
	-9.5	-10	181.4	71.73	181.4	72.39	180.4	72.51	180.4	70.50	180.1	68.67	178.9	66.12
	-8.5	-9.1	185.1	72.17	185.1	72.81	184.1	71.47	184.1	69.51	183.1	67.67	182.1	65.18
	-7.0	-7.6	190.7	72.81	190.7	71.32	189.4	69.94	189.4	68.00	189.4	66.19	187.4	63.79
	-5.0	-5.6	198.1	70.85	198.1	69.29	196.8	67.88	196.8	65.98	196.8	64.21	193.9	61.93
	-3.0	-3.7	205.5	68.90	205.5	67.28	204.2	65.84	204.2	63.99	204.2	62.23	200.5	60.07
	0.0	-0.7	216.5	65.97	216.5	64.27	215.1	62.75	215.1	60.96	215.1	59.25	210.3	57.27
	3.0	2.2	227.6	63.03	227.6	61.24	226.1	59.67	226.1	57.96	226.6	56.30	210.5	54.48
	5.0	4.1	234.3	61.08	234.3	59.23	233.1	57.61	231.9	55.94	224.0	54.32	210.5	52.62
	7.0	6.0	239.9	59.12	239.9	57.22	238.5	55.55	234.3	53.94	226.0	52.34	210.5	50.76
	9.0	7.9	240.9	57.50	240.9	55.64	240.1	54.04	234.3	52.47	226.0	50.89	210.5	49.37
	11.0	9.8	240.9	56.39	240.9	54.58	240.1	52.99	234.3	51.44	226.0	49.90	210.5	48.41
	13.0	11.8	240.9	55.19	240.9	53.42	240.1	51.86	234.3	50.34	226.0	48.85	210.5	47.39
15.0	13.7	240.9	53.89	240.9	52.15	240.1	50.64	234.3	49.16	226.0	47.70	210.5	46.27	
120	-24.8	-25	114.0	65.74	114.0	66.29	113.2	67.16	113.2	68.00	113.2	69.29	111.5	70.20
	-21.8	-22	139.4	67.04	139.4	67.61	138.4	68.48	138.4	69.29	138.4	70.61	136.3	71.51
	-19.8	-20	147.4	67.91	147.4	68.48	146.4	69.35	146.4	70.16	146.4	71.46	144.1	72.39
	-18.8	-19	150.7	68.33	150.7	68.90	149.7	69.77	149.7	70.61	149.7	71.91	147.4	72.81
	-16.7	-17	157.8	69.26	157.8	69.81	156.8	70.68	156.8	71.51	156.8	72.81	154.2	71.02
	-13.7	-15	167.8	70.55	167.8	71.12	166.8	71.99	166.8	72.81	166.8	70.13	164.1	68.46
	-11.8	-13	173.3	71.39	173.3	71.94	172.3	72.81	172.3	70.91	172.3	68.44	170.3	66.83
	-9.8	-11	179.1	72.24	179.1	72.81	178.1	70.72	178.1	68.93	178.1	66.65	176.7	65.13
	-9.5	-10	180.2	72.39	180.2	72.49	179.2	70.42	179.2	68.62	179.2	66.39	177.8	64.86
	-8.5	-9.1	183.9	72.81	183.9	71.37	182.6	69.37	182.6	67.62	182.6	65.50	181.0	64.00
	-7.0	-7.6	189.4	71.17	189.4	69.72	188.2	67.80	188.2	66.14	188.0	64.16	186.1	62.72
	-5.0	-5.6	196.8	68.97	196.8	67.51	195.5	65.71	195.5	64.14	195.5	62.37	192.7	61.01
	-3.0	-3.7	204.0	66.77	204.0	65.30	202.7	63.62	202.7	62.14	202.7	60.60	197.7	59.31
	0.0	-0.7	215.0	63.47	215.0	61.98	213.5	60.50	213.5	59.15	212.3	57.92	197.7	56.74
	3.0	2.2	225.9	60.17	225.9	58.68	223.7	57.35	219.5	56.15	212.7	55.24	197.7	54.17
	5.0	4.1	232.7	57.97	232.2	56.47	227.1	55.26	219.5	54.15	212.7	53.45	197.7	52.46
	7.0	6.0	238.3	55.76	236.6	54.24	227.1	53.17	219.5	52.17	212.7	51.66	197.7	50.74
	9.0	7.9	239.1	54.10	236.6	52.63	227.1	51.61	219.5	50.61	212.7	50.13	197.7	49.24
	11.0	9.8	239.1	52.92	236.6	51.49	227.1	50.48	219.5	49.51	212.7	49.03	197.7	48.16
	13.0	11.8	239.1	51.65	236.6	50.24	227.1	49.25	219.5	48.31	212.7	47.85	197.7	47.01
15.0	13.7	239.1	50.28	236.6	48.92	227.1	47.96	219.5	47.05	212.7	46.60	197.7	45.76	
110	-24.8	-25	113.4	66.29	113.4	67.16	112.7	68.00	112.7	69.29	112.7	70.20	110.8	70.64
	-21.8	-22	138.7	67.61	138.7	68.48	137.7	69.29	137.7	70.61	137.7	71.51	135.6	71.94
	-19.8	-20	146.6	68.48	146.6	69.35	145.7	70.16	145.7	71.46	145.7	72.39	143.3	72.81
	-18.8	-19	149.9	68.90	149.9	69.77	148.9	70.61	148.9	71.91	148.9	72.81	146.6	71.87
	-16.7	-17	157.0	69.81	157.0	70.68	156.0	71.51	156.0	72.81	156.0	70.88	153.4	69.88
	-13.7	-15	166.9	71.12	166.9	71.99	165.8	72.81	165.8	69.88	165.8	68.09	165.8	67.05
	-11.8	-13	172.4	71.94	172.4	72.81	171.3	70.74	171.3	68.01	171.3	66.34	171.3	65.23
	-9.8	-11	178.1	72.81	178.1	70.47	177.1	68.55	177.1	66.05	177.1	64.49	176.5	63.34
	-9.5	-10	179.2	72.44	179.2	70.11	178.2	68.23	178.2	65.76	178.2	64.21	177.6	63.05
	-8.5	-9.1	182.9	71.18	182.9	68.95	181.8	67.13	181.8	64.77	181.8	63.29	177.9	62.12
	-7.0	-7.6	188.4	69.26	188.4	67.18	187.2	65.48	187.2	63.30	187.2	61.89	177.9	60.69
	-5.0	-5.6	195.6	66.74	195.6	64.84	194.3	63.31	194.3	61.35	190.4	60.04	177.9	58.80
	-3.0	-3.7	202.9	64.21	202.9	62.48	201.5	61.11	197.2	59.39	190.4	58.19	177.9	56.90
	0.0	-0.7	213.8	60.40	213.4	58.97	203.7	57.84	197.2	56.44	190.4	55.42	177.9	54.05
	3.0	2.2	224.2	56.59	217.2	55.45	203.7	54.57	197.2	53.49	190.4	52.64	177.9	51.22
	5.0	4.1	229.8	54.06	217.2	53.10	203.7	52.37	197.2	51.53	190.4	50.79	177.9	49.33
	7.0	6.0	229.8	51.54	217.2	50.76	203.7	50.18	197.2	49.57	190.4	48.94	177.9	47.43
	9.0	7.9	229.8	49.77	217.2	49.02	203.7	48.49	197.2	47.88	190.4	47.28	177.9	45.82
	11.0	9.8	229.8	48.46	217.2	47.72	203.7	47.18	197.2	46.61	190.4	46.02	177.9	44.60
	13.0	11.8	229.8	47.03	217.2	46.33	203.7	45.80	197.2	45.25	190.4	44.67	177.9	43.30
15.0	13.7	229.8	45.53	217.2	44.84	203.7	44.34	197.2	43.81	190.4	43.23	177.9	41.91	

# 7. Capacity Tables

Heating Capacity (60HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	112.9	73.80	112.9	73.67	112.2	69.15	112.2	73.36	112.2	73.21	110.3	73.16
	-21.8	-22	137.9	73.61	137.9	73.48	137.2	71.33	137.2	73.15	137.2	74.06	134.8	72.94
	-19.8	-20	145.9	73.48	145.9	73.35	145.1	72.73	145.1	73.02	145.1	73.24	142.8	72.81
	-18.8	-19	149.2	73.40	148.4	73.29	148.4	73.15	148.4	72.96	148.4	72.81	145.9	71.66
	-16.7	-17	155.3	73.27	155.3	73.14	155.3	74.06	154.5	72.81	154.5	70.42	151.9	69.22
	-13.7	-15	166.1	73.08	166.1	72.95	165.1	72.81	165.1	69.35	165.1	67.02	162.6	65.76
	-11.8	-13	171.6	72.94	170.6	72.81	170.6	70.50	170.6	67.15	170.6	64.86	162.6	63.56
	-9.8	-11	177.1	72.81	177.1	70.21	176.4	68.04	176.4	64.83	174.4	62.58	162.6	61.25
	-9.5	-10	178.2	72.41	178.2	69.82	177.4	67.67	177.4	64.49	174.4	62.24	162.6	60.89
	-8.5	-9.1	181.9	71.03	181.9	68.52	181.1	66.45	180.4	63.33	174.4	61.09	162.6	59.74
	-7.0	-7.6	190.4	68.99	189.7	66.57	186.4	64.61	180.4	61.60	174.4	59.39	162.6	58.00
	-5.0	-5.6	198.7	66.27	196.7	63.96	186.4	62.17	180.4	59.30	174.4	57.12	162.6	55.69
	-3.0	-3.7	204.5	63.53	198.4	61.34	186.4	59.73	180.4	56.98	174.4	54.84	162.6	53.38
	0.0	-0.7	210.2	59.45	198.4	57.44	186.4	56.04	180.4	53.52	174.4	51.42	162.6	49.90
	3.0	2.2	210.2	55.35	198.4	53.53	186.4	52.38	180.4	50.04	174.4	48.02	162.6	46.43
	5.0	4.1	210.2	52.61	198.4	50.93	186.4	49.92	180.4	47.74	174.4	45.73	162.6	44.10
	7.0	6.0	210.2	49.89	198.4	48.33	186.4	47.48	180.4	45.42	174.4	43.47	162.6	41.79
	9.0	7.9	210.2	47.93	198.4	46.43	186.4	45.63	180.4	43.64	174.4	41.76	162.6	40.16
	11.0	9.8	210.2	46.37	198.4	44.93	186.4	44.13	180.4	42.23	174.4	40.40	162.6	38.86
	13.0	11.8	210.2	44.71	198.4	43.32	186.4	42.56	180.4	40.71	174.4	38.96	162.6	37.48
15.0	13.7	210.2	42.97	198.4	41.61	186.4	40.90	180.4	39.12	174.4	37.43	162.6	36.00	
90	-24.8	-25	112.4	65.40	112.4	66.70	111.7	67.62	111.7	68.05	111.7	68.92	110.0	70.21
	-21.8	-22	137.4	66.70	137.4	68.01	136.7	68.92	136.7	69.34	136.7	70.21	134.3	67.19
	-19.8	-20	145.4	67.57	145.4	68.86	144.4	69.79	144.4	70.21	144.4	68.15	142.1	65.16
	-18.8	-19	149.2	68.01	148.4	69.31	147.7	70.21	147.7	69.14	147.7	67.10	145.4	64.14
	-16.7	-17	155.3	68.92	155.3	70.21	154.7	68.01	154.7	66.90	154.7	64.92	148.5	62.01
	-13.7	-15	166.1	70.21	166.1	66.93	164.6	64.84	164.6	63.68	160.0	61.81	148.5	58.97
	-11.8	-13	171.6	67.95	170.6	64.83	169.9	62.84	165.3	61.66	160.0	59.82	148.5	57.04
	-9.8	-11	177.1	65.58	177.1	62.64	170.6	60.72	165.3	59.52	160.0	57.76	148.5	55.03
	-9.5	-10	178.2	65.22	178.2	62.31	170.6	60.41	165.3	59.19	160.0	57.45	148.5	54.73
	-8.5	-9.1	181.9	64.04	180.6	61.21	170.6	59.36	165.3	58.12	160.0	56.41	148.5	53.71
	-7.0	-7.6	190.4	62.26	181.1	59.57	170.6	57.77	165.3	56.51	160.0	54.85	148.5	52.19
	-5.0	-5.6	192.4	59.87	181.1	57.36	170.6	55.65	165.3	54.39	160.0	52.77	148.5	50.16
	-3.0	-3.7	192.4	57.50	181.1	55.18	170.6	53.55	165.3	52.24	160.0	50.68	148.5	48.13
	0.0	-0.7	192.4	53.92	181.1	51.87	170.6	50.38	165.3	49.03	160.0	47.57	148.5	45.09
	3.0	2.2	192.4	50.35	181.1	48.59	170.6	47.23	165.3	45.81	160.0	44.46	148.5	42.06
	5.0	4.1	192.4	47.98	181.1	46.38	170.6	45.11	165.3	43.67	160.0	42.38	148.5	40.03
	7.0	6.0	192.4	45.59	181.1	44.18	170.6	43.01	165.3	41.53	160.0	40.29	148.5	38.00
	9.0	7.9	192.4	43.36	181.1	42.02	170.6	40.89	165.3	39.50	160.0	38.32	148.5	36.14
	11.0	9.8	192.4	41.11	181.1	39.85	170.6	38.79	165.3	37.46	160.0	36.35	148.5	34.27
	13.0	11.8	192.4	38.88	181.1	37.68	170.6	36.66	165.3	35.41	160.0	34.37	148.5	32.40
15.0	13.7	192.4	36.65	181.1	35.52	170.6	34.56	165.3	33.39	160.0	32.38	148.5	30.53	
80	-24.8	-25	111.9	57.44	111.9	58.74	111.2	59.67	111.2	60.09	111.2	62.26	109.5	59.59
	-21.8	-22	135.9	58.74	135.9	60.06	135.9	60.96	135.9	62.26	135.9	59.59	132.7	57.03
	-19.8	-20	143.9	59.61	143.9	60.93	143.9	62.26	143.9	60.37	142.5	57.81	132.7	55.31
	-18.8	-19	147.2	60.06	147.2	62.26	147.2	61.31	147.2	59.43	142.7	56.92	132.7	54.45
	-16.7	-17	152.5	62.26	152.5	60.26	152.5	59.30	148.0	57.45	142.7	55.05	132.7	52.65
	-13.7	-15	159.5	59.31	156.3	57.40	152.5	56.42	148.0	54.62	142.7	52.38	132.7	50.09
	-11.8	-13	163.4	57.41	158.6	55.61	152.5	54.60	148.0	52.82	142.7	50.68	132.7	48.47
	-9.8	-11	167.7	55.44	160.9	53.69	152.5	52.69	148.0	50.94	142.7	48.90	132.7	46.75
	-9.5	-10	168.9	55.15	161.8	53.41	152.5	52.41	148.0	50.66	142.7	48.62	132.7	46.50
	-8.5	-9.1	170.7	54.16	162.6	52.46	152.5	51.44	148.0	49.71	142.7	47.73	132.7	45.64
	-7.0	-7.6	172.4	52.67	162.6	51.03	152.5	50.01	148.0	48.29	142.7	46.39	132.7	44.37
	-5.0	-5.6	172.4	50.70	162.6	49.12	152.5	48.08	148.0	46.41	142.7	44.61	132.7	42.65
	-3.0	-3.7	172.4	48.72	162.6	47.22	152.5	46.16	148.0	44.50	142.7	42.83	132.7	40.95
	0.0	-0.7	172.4	45.75	162.6	44.36	152.5	43.30	148.0	41.68	142.7	40.16	132.7	38.37
	3.0	2.2	172.4	42.78	162.6	41.52	152.5	40.42	148.0	38.85	142.7	37.48	132.7	35.81
	5.0	4.1	172.4	40.80	162.6	39.60	152.5	38.51	148.0	36.95	142.7	35.70	132.7	34.09
	7.0	6.0	172.4	38.83	162.6	37.71	152.5	36.59	148.0	35.06	142.7	33.92	132.7	32.39
	9.0	7.9	172.4	36.47	162.6	35.40	152.5	34.36	148.0	32.93	142.7	31.85	132.7	30.40
	11.0	9.8	172.4	33.85	162.6	32.85	152.5	31.88	148.0	30.57	142.7	29.55	132.7	28.21
	13.0	11.8	172.4	31.59	162.6	30.67	152.5	29.77	148.0	28.53	142.7	27.58	132.7	26.34
15.0	13.7	172.4	29.74	162.6	28.87	152.5	28.02	148.0	26.85	142.7	25.97	132.7	24.81	

# 7. Capacity Tables

Heating Capacity (60HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	111.9	58.05	111.9	58.47	111.2	59.35	111.2	60.66	111.2	57.75	109.4	55.06
	-21.8	-22	130.7	59.35	130.7	59.79	129.9	60.66	125.4	57.75	121.7	55.06	113.6	52.43
	-19.8	-20	143.2	60.22	138.0	60.66	129.9	58.62	125.4	55.83	121.7	53.25	113.6	50.68
	-18.8	-19	146.0	60.66	138.0	59.60	129.9	57.59	125.4	54.86	121.7	52.35	113.6	49.82
	-16.7	-17	146.2	58.47	138.0	57.39	129.9	55.47	125.4	52.84	121.7	50.44	113.6	47.99
	-13.7	-15	146.2	55.36	138.0	54.23	129.9	52.43	125.4	49.93	121.7	47.73	113.6	45.36
	-11.8	-13	146.2	53.36	138.0	52.24	129.9	50.49	125.4	48.09	121.7	46.02	113.6	43.71
	-9.8	-11	146.2	51.29	138.0	50.12	129.9	48.45	125.4	46.18	121.7	44.21	113.6	41.95
	-9.5	-10	146.2	50.98	138.0	49.82	129.9	48.15	125.4	45.88	121.7	43.93	113.6	41.70
	-8.5	-9.1	146.2	49.95	138.0	48.76	129.9	47.14	125.4	44.92	121.7	43.03	113.6	40.82
	-7.0	-7.6	146.2	48.38	138.0	47.19	129.9	45.60	125.4	43.46	121.7	41.69	113.6	39.52
	-5.0	-5.6	146.2	46.29	138.0	45.08	129.9	43.56	125.4	41.53	121.7	39.89	113.6	37.77
	-3.0	-3.7	146.2	44.21	138.0	42.98	129.9	41.54	125.4	39.59	121.7	38.08	113.6	36.03
	0.0	-0.7	146.2	41.10	138.0	39.83	129.9	38.48	125.4	36.70	121.7	35.37	113.6	33.40
	3.0	2.2	146.2	37.97	138.0	36.65	129.9	35.43	125.4	33.81	121.7	32.65	113.6	30.80
	5.0	4.1	146.2	35.90	138.0	34.56	129.9	33.41	125.4	31.87	121.7	30.85	113.6	29.04
	7.0	6.0	146.2	33.82	138.0	32.46	129.9	31.37	125.4	29.94	121.7	29.04	113.6	27.31
	9.0	7.9	146.2	30.54	138.0	29.30	129.9	28.33	125.4	27.04	121.7	26.22	113.6	24.66
	11.0	9.8	146.2	28.43	138.0	27.29	129.9	26.37	125.4	25.17	121.7	24.42	113.6	22.96
	13.0	11.8	146.2	26.61	138.0	25.54	129.9	24.67	125.4	23.57	121.7	22.84	113.6	21.48
15.0	13.7	146.2	25.08	138.0	24.08	129.9	23.26	125.4	22.21	121.7	21.53	113.6	20.24	
60	-24.8	-25	111.3	57.18	111.3	58.05	110.6	59.35	107.6	56.28	103.9	53.40	97.3	50.69
	-21.8	-22	119.7	58.47	118.7	59.35	111.4	56.28	107.6	53.40	103.9	50.69	97.3	48.08
	-19.8	-20	125.4	59.35	118.7	57.18	111.4	54.24	107.6	51.48	103.9	48.87	97.3	46.32
	-18.8	-19	125.4	58.25	118.7	56.10	111.4	53.20	107.6	50.51	103.9	47.98	97.3	45.45
	-16.7	-17	125.4	55.95	118.7	53.81	111.4	51.05	107.6	48.50	103.9	46.09	97.3	43.64
	-13.7	-15	125.4	52.68	118.7	50.57	111.4	47.99	107.6	45.61	103.9	43.38	97.3	41.01
	-11.8	-13	125.4	50.58	118.7	48.50	111.4	46.05	107.6	43.79	103.9	41.66	97.3	39.35
	-9.8	-11	125.4	48.39	118.7	46.33	111.4	43.98	107.6	41.88	103.9	39.85	97.3	37.61
	-9.5	-10	125.4	48.06	118.7	46.01	111.4	43.68	107.6	41.58	103.9	39.58	97.3	37.36
	-8.5	-9.1	125.4	46.96	118.7	44.91	111.4	42.66	107.6	40.63	103.9	38.68	97.3	36.47
	-7.0	-7.6	125.4	45.34	118.7	43.29	111.4	41.12	107.6	39.19	103.9	37.34	97.3	35.17
	-5.0	-5.6	125.4	43.14	118.7	41.12	111.4	39.08	107.6	37.27	103.9	35.52	97.3	33.43
	-3.0	-3.7	125.4	40.95	118.7	38.95	111.4	37.03	107.6	35.34	103.9	33.71	97.3	31.68
	0.0	-0.7	125.4	37.65	118.7	35.69	111.4	33.95	107.6	32.47	103.9	31.00	97.3	29.07
	3.0	2.2	125.4	34.38	118.7	32.43	111.4	30.88	107.6	29.59	103.9	28.31	97.3	26.46
	5.0	4.1	125.4	32.18	118.7	30.26	111.4	28.84	107.6	27.67	103.9	26.50	97.3	24.70
	7.0	6.0	125.4	29.99	118.7	28.09	111.4	26.78	107.6	25.73	103.9	24.69	97.3	22.96
	9.0	7.9	125.4	26.75	118.7	25.07	111.4	23.91	107.6	22.96	103.9	22.04	97.3	20.48
	11.0	9.8	125.4	24.98	118.7	23.40	111.4	22.31	107.6	21.45	103.9	20.58	97.3	19.12
	13.0	11.8	125.4	23.40	118.7	21.92	111.4	20.90	107.6	20.09	103.9	19.27	97.3	17.93
15.0	13.7	125.4	22.11	118.7	20.73	111.4	19.76	107.6	18.98	103.9	18.22	97.3	16.94	
50	-24.8	-25	104.6	50.38	98.6	51.70	92.8	48.95	89.8	46.39	86.8	43.98	80.8	41.72
	-21.8	-22	104.6	51.70	98.6	48.95	92.8	46.39	89.8	43.98	86.8	41.72	80.8	39.54
	-19.8	-20	104.6	49.78	98.6	47.12	92.8	44.68	89.8	42.35	86.8	40.22	80.8	38.11
	-18.8	-19	104.6	48.82	98.6	46.21	92.8	43.83	89.8	41.54	86.8	39.46	80.8	37.39
	-16.7	-17	104.6	46.83	98.6	44.30	92.8	42.04	89.8	39.86	86.8	37.88	80.8	35.86
	-13.7	-15	104.6	43.95	98.6	41.55	92.8	39.48	89.8	37.43	86.8	35.63	80.8	33.71
	-11.8	-13	104.6	42.14	98.6	39.82	92.8	37.86	89.8	35.89	86.8	34.20	80.8	32.33
	-9.8	-11	104.6	40.22	98.6	38.00	92.8	36.15	89.8	34.29	86.8	32.71	80.8	30.88
	-9.5	-10	104.6	39.94	98.6	37.73	92.8	35.90	89.8	34.04	86.8	32.49	80.8	30.66
	-8.5	-9.1	104.6	38.99	98.6	36.80	92.8	35.05	89.8	33.23	86.8	31.73	80.8	29.93
	-7.0	-7.6	104.6	37.57	98.6	35.44	92.8	33.77	89.8	32.03	86.8	30.61	80.8	28.85
	-5.0	-5.6	104.6	35.65	98.6	33.62	92.8	32.06	89.8	30.42	86.8	29.10	80.8	27.40
	-3.0	-3.7	104.6	33.74	98.6	31.79	92.8	30.35	89.8	28.79	86.8	27.60	80.8	25.97
	0.0	-0.7	104.6	30.89	98.6	29.04	92.8	27.78	89.8	26.38	86.8	25.34	80.8	23.79
	3.0	2.2	104.6	28.01	98.6	26.30	92.8	25.24	89.8	23.96	86.8	23.08	80.8	21.64
	5.0	4.1	104.6	26.10	98.6	24.48	92.8	23.53	89.8	22.34	86.8	21.60	80.8	20.19
	7.0	6.0	104.6	24.20	98.6	22.65	92.8	21.82	89.8	20.73	86.8	20.09	80.8	18.74
	9.0	7.9	104.6	21.85	98.6	20.46	92.8	19.71	89.8	18.71	86.8	18.15	80.8	16.91
	11.0	9.8	104.6	20.44	98.6	19.15	92.8	18.44	89.8	17.52	86.8	16.98	80.8	15.84
	13.0	11.8	104.6	19.20	98.6	17.98	92.8	17.30	89.8	16.45	86.8	15.94	80.8	14.87
15.0	13.7	104.6	18.15	98.6	17.01	92.8	16.38	89.8	15.55	86.8	15.09	80.8	14.07	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN620BTE5

Heating Capacity (62HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	118.1	67.15	118.1	67.73	117.4	68.21	117.4	68.98	117.4	69.72	115.2	70.86
	-21.8	-22	145.3	68.29	145.3	68.87	144.2	69.37	144.2	70.14	144.2	70.86	141.4	72.02
	-19.8	-20	153.9	69.06	153.9	69.64	152.9	70.14	152.9	70.91	152.9	71.63	150.0	72.77
	-18.8	-19	157.5	69.45	157.5	70.01	156.5	70.52	156.5	71.29	156.5	72.02	153.4	73.17
	-16.7	-17	164.9	70.25	164.9	70.83	163.8	71.31	163.8	72.08	163.8	72.82	160.7	73.97
	-13.7	-15	175.3	71.39	175.3	71.98	174.3	72.48	174.3	73.25	174.3	73.97	170.9	71.28
	-11.8	-13	181.0	72.13	181.0	72.71	180.0	73.20	180.0	73.97	180.0	74.74	177.4	69.56
	-9.8	-11	187.0	72.90	187.0	73.46	185.9	73.97	185.9	72.06	185.9	70.26	184.2	67.76
	-9.5	-10	188.1	73.01	188.1	73.59	187.0	73.68	187.0	71.76	186.8	69.98	185.3	67.50
	-8.5	-9.1	191.7	73.40	191.7	73.97	190.6	72.70	190.6	70.82	189.8	69.02	188.7	66.59
	-7.0	-7.6	197.1	73.97	197.1	72.57	195.8	71.25	195.8	69.38	195.8	67.60	193.7	65.25
	-5.0	-5.6	204.4	72.16	204.4	70.67	203.1	69.30	203.1	67.45	203.1	65.70	200.5	63.45
	-3.0	-3.7	211.6	70.36	211.6	68.79	210.3	67.37	210.3	65.55	210.3	63.80	207.3	61.65
	0.0	-0.7	222.5	67.66	222.5	65.97	221.0	64.45	221.0	62.66	221.0	60.94	217.4	58.95
	3.0	2.2	233.4	64.94	233.4	63.13	231.8	61.53	231.8	59.79	231.8	58.10	217.6	56.26
	5.0	4.1	240.4	63.14	240.4	61.25	239.1	59.58	239.1	57.87	239.1	56.20	217.6	54.46
	7.0	6.0	247.7	61.34	247.7	59.37	246.1	57.63	242.2	55.96	233.7	54.30	217.6	52.66
	9.0	7.9	249.0	59.86	249.0	57.92	248.2	56.25	242.2	54.62	233.7	52.98	217.6	51.39
	11.0	9.8	249.0	58.91	249.0	57.02	248.2	55.36	242.2	53.75	233.7	52.14	217.6	50.58
	13.0	11.8	249.0	57.89	249.0	56.03	248.2	54.39	242.2	52.80	233.7	51.24	217.6	49.70
15.0	13.7	249.0	56.77	249.0	54.93	248.2	53.34	242.2	51.78	233.7	50.25	217.6	48.74	
120	-24.8	-25	117.3	67.73	117.3	68.21	116.6	68.98	116.6	69.72	116.6	70.86	114.4	71.66
	-21.8	-22	144.2	68.87	144.2	69.37	143.2	70.14	143.2	70.86	143.2	72.02	140.6	72.82
	-19.8	-20	152.8	69.64	152.8	70.14	151.8	70.91	151.8	71.63	151.8	72.77	148.9	73.59
	-18.8	-19	156.3	70.01	156.3	70.52	155.2	71.29	155.2	72.02	155.2	73.17	152.3	73.97
	-16.7	-17	163.6	70.83	163.6	71.31	162.6	72.08	162.6	72.82	162.6	73.97	159.4	72.24
	-13.7	-15	174.0	71.98	174.0	72.48	173.0	73.25	173.0	73.97	173.0	71.38	169.6	69.76
	-11.8	-13	179.7	72.71	179.7	73.20	178.7	73.97	178.7	72.14	178.7	69.76	176.1	68.19
	-9.8	-11	185.7	73.46	185.7	73.97	184.6	71.96	184.6	70.24	184.6	68.04	182.9	66.54
	-9.5	-10	186.8	73.59	186.8	73.66	185.7	71.68	185.7	69.94	185.7	67.78	184.0	66.29
	-8.5	-9.1	190.4	73.97	190.4	72.60	189.1	70.67	189.1	68.98	189.1	66.92	187.2	65.45
	-7.0	-7.6	195.8	72.42	195.8	71.02	194.5	69.17	194.5	67.55	194.5	65.63	192.4	64.21
	-5.0	-5.6	203.0	70.34	203.0	68.92	201.7	67.17	201.7	65.63	201.7	63.91	199.2	62.57
	-3.0	-3.7	210.1	68.26	210.1	66.81	208.8	65.17	208.8	63.70	208.8	62.21	204.4	60.92
	0.0	-0.7	220.9	65.14	220.9	63.65	219.4	62.18	219.4	60.84	219.4	59.62	204.4	58.44
	3.0	2.2	231.6	62.01	231.6	60.50	230.2	59.17	227.0	57.95	219.9	57.04	204.4	55.96
	5.0	4.1	238.8	59.93	238.8	58.40	234.7	57.16	227.0	56.03	219.9	55.32	204.4	54.31
	7.0	6.0	246.1	57.85	244.5	56.27	234.7	55.16	227.0	54.12	219.9	53.60	204.4	52.64
	9.0	7.9	247.1	56.31	244.5	54.77	234.7	53.71	227.0	52.68	219.9	52.17	204.4	51.24
	11.0	9.8	247.1	55.26	244.5	53.77	234.7	52.71	227.0	51.71	219.9	51.21	204.4	50.30
	13.0	11.8	247.1	54.14	244.5	52.66	234.7	51.62	227.0	50.64	219.9	50.16	204.4	49.28
15.0	13.7	247.1	52.92	244.5	51.48	234.7	50.47	227.0	49.52	219.9	49.04	204.4	48.16	
110	-24.8	-25	116.8	68.21	116.8	68.98	116.0	69.72	116.0	70.86	116.0	71.66	113.7	72.05
	-21.8	-22	143.4	69.37	143.4	70.14	142.4	70.86	142.4	72.02	142.4	72.82	139.8	73.20
	-19.8	-20	152.1	70.14	152.1	70.91	151.0	71.63	151.0	72.77	151.0	73.59	148.2	73.97
	-18.8	-19	155.5	70.52	155.5	71.29	154.4	72.02	154.4	73.17	154.4	73.97	151.6	73.05
	-16.7	-17	162.8	71.31	162.8	72.08	161.8	72.82	161.8	73.97	161.8	72.09	158.6	71.10
	-13.7	-15	173.0	72.48	173.0	73.25	172.0	73.97	172.0	71.13	172.0	69.38	172.0	68.34
	-11.8	-13	178.7	73.20	178.7	73.97	177.7	71.96	177.7	69.31	177.7	67.68	177.7	66.57
	-9.8	-11	184.7	73.97	184.7	71.71	183.6	69.84	183.6	67.41	183.6	65.89	183.0	64.73
	-9.5	-10	185.7	73.61	185.7	71.36	184.7	69.53	184.7	67.13	184.7	65.61	183.9	64.45
	-8.5	-9.1	189.3	72.39	189.3	70.24	188.3	68.47	188.3	66.17	188.3	64.72	183.9	63.53
	-7.0	-7.6	194.8	70.55	194.8	68.52	193.5	66.88	193.5	64.75	193.5	63.36	183.9	62.14
	-5.0	-5.6	201.8	68.11	201.8	66.26	200.5	64.77	200.5	62.85	196.9	61.56	183.9	60.30
	-3.0	-3.7	209.0	65.68	209.0	63.99	207.7	62.65	203.8	60.95	196.9	59.76	183.9	58.45
	0.0	-0.7	219.7	62.01	219.7	60.59	210.6	59.48	203.8	58.09	196.9	57.08	183.9	55.67
	3.0	2.2	230.3	58.34	224.6	57.20	210.6	56.31	203.8	55.23	196.9	54.37	183.9	52.90
	5.0	4.1	237.5	55.90	224.6	54.92	210.6	54.19	203.8	53.33	196.9	52.57	183.9	51.06
	7.0	6.0	237.6	53.47	224.6	52.66	210.6	52.06	203.8	51.43	196.9	50.77	183.9	49.21
	9.0	7.9	237.6	51.80	224.6	51.02	210.6	50.46	203.8	49.83	196.9	49.20	183.9	47.69
	11.0	9.8	237.6	50.60	224.6	49.82	210.6	49.27	203.8	48.66	196.9	48.05	183.9	46.57
	13.0	11.8	237.6	49.28	224.6	48.55	210.6	48.00	203.8	47.42	196.9	46.81	183.9	45.37
15.0	13.7	237.6	47.91	224.6	47.18	210.6	46.65	203.8	46.09	196.9	45.49	183.9	44.10	

# 7. Capacity Tables

Heating Capacity (62HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	116.3	75.61	116.3	75.39	115.5	70.52	115.5	74.87	115.5	74.63	113.2	74.53
	-21.8	-22	142.7	75.29	142.7	75.07	141.9	72.74	141.9	74.53	141.9	75.33	139.1	74.19
	-19.8	-20	151.3	75.07	151.3	74.85	150.5	74.15	150.5	74.31	150.5	74.43	147.6	73.97
	-18.8	-19	154.7	74.95	153.9	74.75	153.9	74.53	153.9	74.21	153.9	73.97	150.8	72.83
	-16.7	-17	161.0	74.73	161.0	74.51	161.0	75.33	160.2	73.97	160.2	71.61	157.1	70.43
	-13.7	-15	172.2	74.41	172.2	74.19	171.2	73.97	171.2	70.57	171.2	68.27	168.1	67.01
	-11.8	-13	177.9	74.19	176.9	73.97	176.9	71.71	176.9	68.42	176.9	66.14	168.1	64.83
	-9.8	-11	183.7	73.97	183.7	71.43	182.8	69.31	182.8	66.15	180.3	63.90	168.1	62.56
	-9.5	-10	184.7	73.58	184.7	71.05	183.9	68.95	183.9	65.82	180.3	63.57	168.1	62.20
	-8.5	-9.1	188.3	72.24	188.3	69.79	187.5	67.76	186.5	64.68	180.3	62.43	168.1	61.07
	-7.0	-7.6	196.9	70.27	196.1	67.89	192.7	65.97	186.5	62.98	180.3	60.76	168.1	59.35
	-5.0	-5.6	205.4	67.63	203.4	65.36	192.7	63.59	186.5	60.73	180.3	58.53	168.1	57.07
	-3.0	-3.7	211.4	64.98	205.1	62.80	192.7	61.21	186.5	58.45	180.3	56.28	168.1	54.79
	0.0	-0.7	217.3	61.02	205.1	59.00	192.7	57.61	186.5	55.06	180.3	52.92	168.1	51.35
	3.0	2.2	217.3	57.05	205.1	55.21	192.7	54.04	186.5	51.65	180.3	49.58	168.1	47.94
	5.0	4.1	217.3	54.39	205.1	52.67	192.7	51.64	186.5	49.39	180.3	47.33	168.1	45.64
	7.0	6.0	217.3	51.76	205.1	50.14	192.7	49.26	186.5	47.12	180.3	45.10	168.1	43.36
	9.0	7.9	217.3	49.90	205.1	48.34	192.7	47.51	186.5	45.44	180.3	43.48	168.1	41.82
	11.0	9.8	217.3	48.48	205.1	46.96	192.7	46.14	186.5	44.15	180.3	42.23	168.1	40.62
	13.0	11.8	217.3	46.95	205.1	45.49	192.7	44.69	186.5	42.75	180.3	40.91	168.1	39.35
15.0	13.7	217.3	45.34	205.1	43.91	192.7	43.16	186.5	41.28	180.3	39.49	168.1	37.98	
90	-24.8	-25	115.8	67.17	115.8	68.31	115.0	69.13	115.0	69.51	115.0	70.27	112.9	71.42
	-21.8	-22	142.2	68.31	142.2	69.48	141.4	70.27	141.4	70.65	141.4	71.42	138.5	68.41
	-19.8	-20	150.8	69.08	150.8	70.22	149.8	71.04	149.8	71.42	149.8	69.37	146.9	66.40
	-18.8	-19	154.7	69.48	153.9	70.62	153.2	71.42	153.2	70.36	153.2	68.34	150.3	65.39
	-16.7	-17	161.0	70.27	161.0	71.42	160.4	69.25	160.4	68.14	160.4	66.17	153.5	63.27
	-13.7	-15	172.2	71.42	172.2	68.19	170.7	66.12	170.7	64.96	165.4	63.10	153.5	60.25
	-11.8	-13	177.9	69.20	176.9	66.12	176.1	64.15	170.9	62.97	165.4	61.13	153.5	58.33
	-9.8	-11	183.7	66.88	183.7	63.98	176.4	62.07	170.9	60.85	165.4	59.09	153.5	56.34
	-9.5	-10	184.7	66.53	184.7	63.65	176.4	61.76	170.9	60.53	165.4	58.78	153.5	56.04
	-8.5	-9.1	188.3	65.37	187.0	62.57	176.4	60.73	170.9	59.47	165.4	57.75	153.5	55.03
	-7.0	-7.6	196.9	63.62	187.3	60.95	176.4	59.16	170.9	57.88	165.4	56.21	153.5	53.52
	-5.0	-5.6	199.0	61.28	187.3	58.79	176.4	57.07	170.9	55.79	165.4	54.15	153.5	51.50
	-3.0	-3.7	199.0	58.96	187.3	56.64	176.4	55.01	170.9	53.67	165.4	52.08	153.5	49.49
	0.0	-0.7	199.0	55.46	187.3	53.39	176.4	51.88	170.9	50.49	165.4	49.01	153.5	46.46
	3.0	2.2	199.0	51.96	187.3	50.17	176.4	48.78	170.9	47.32	165.4	45.93	153.5	43.46
	5.0	4.1	199.0	49.64	187.3	48.00	176.4	46.69	170.9	45.20	165.4	43.87	153.5	41.44
	7.0	6.0	199.0	47.29	187.3	45.83	176.4	44.62	170.9	43.08	165.4	41.80	153.5	39.43
	9.0	7.9	199.0	45.10	187.3	43.71	176.4	42.53	170.9	41.09	165.4	39.86	153.5	37.59
	11.0	9.8	199.0	42.88	187.3	41.57	176.4	40.46	170.9	39.08	165.4	37.92	153.5	35.75
	13.0	11.8	199.0	40.69	187.3	39.43	176.4	38.37	170.9	37.06	165.4	35.97	153.5	33.91
15.0	13.7	199.0	38.49	187.3	37.31	176.4	36.30	170.9	35.07	165.4	34.01	153.5	32.07	
80	-24.8	-25	115.3	59.08	115.3	60.22	114.5	61.04	114.5	61.41	114.5	63.33	112.4	60.68
	-21.8	-22	140.6	60.22	140.6	61.38	140.6	62.18	140.6	63.33	140.6	60.68	137.2	58.13
	-19.8	-20	149.2	60.99	149.2	62.15	149.2	63.33	149.2	61.46	147.5	58.91	137.2	56.42
	-18.8	-19	152.6	61.38	152.6	63.33	152.6	62.39	152.6	60.53	147.5	58.03	137.2	55.56
	-16.7	-17	157.7	63.33	157.7	61.36	157.7	60.40	153.0	58.56	147.5	56.16	137.2	53.77
	-13.7	-15	164.9	60.42	161.6	58.54	157.7	57.55	153.0	55.76	147.5	53.52	137.2	51.22
	-11.8	-13	168.9	58.56	163.9	56.77	157.7	55.76	153.0	53.97	147.5	51.83	137.2	49.61
	-9.8	-11	173.3	56.62	166.3	54.88	157.7	53.87	153.0	52.11	147.5	50.06	137.2	47.90
	-9.5	-10	174.6	56.34	167.3	54.60	157.7	53.59	153.0	51.83	147.5	49.79	137.2	47.65
	-8.5	-9.1	176.4	55.36	168.0	53.67	157.7	52.64	153.0	50.89	147.5	48.91	137.2	46.79
	-7.0	-7.6	178.2	53.90	168.0	52.26	157.7	51.22	153.0	49.48	147.5	47.57	137.2	45.53
	-5.0	-5.6	178.2	51.96	168.0	50.37	157.7	49.31	153.0	47.62	147.5	45.81	137.2	43.81
	-3.0	-3.7	178.2	50.01	168.0	48.50	157.7	47.42	153.0	45.73	147.5	44.04	137.2	42.12
	0.0	-0.7	178.2	47.09	168.0	45.68	157.7	44.59	153.0	42.93	147.5	41.39	137.2	39.55
	3.0	2.2	178.2	44.17	168.0	42.88	157.7	41.75	153.0	40.13	147.5	38.72	137.2	37.01
	5.0	4.1	178.2	42.23	168.0	40.99	157.7	39.86	153.0	38.25	147.5	36.96	137.2	35.29
	7.0	6.0	178.2	40.29	168.0	39.12	157.7	37.97	153.0	36.38	147.5	35.19	137.2	33.60
	9.0	7.9	178.2	37.84	168.0	36.73	157.7	35.65	153.0	34.16	147.5	33.05	137.2	31.54
	11.0	9.8	178.2	35.12	168.0	34.08	157.7	33.08	153.0	31.71	147.5	30.66	137.2	29.27
	13.0	11.8	178.2	32.77	168.0	31.82	157.7	30.88	153.0	29.60	147.5	28.62	137.2	27.33
15.0	13.7	178.2	30.86	168.0	29.95	157.7	29.07	153.0	27.86	147.5	26.95	137.2	25.74	



# 7. Capacity Tables

Heating Capacity (62HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	115.3	59.55	115.3	59.93	114.5	60.70	114.5	61.86	114.5	58.94	112.4	56.24
	-21.8	-22	135.1	60.70	135.1	61.09	134.3	61.86	129.7	58.94	125.8	56.24	117.5	53.59
	-19.8	-20	148.4	61.46	142.7	61.86	134.3	59.82	129.7	57.02	125.8	54.42	117.5	51.83
	-18.8	-19	151.2	61.86	142.7	60.80	134.3	58.79	129.7	56.04	125.8	53.52	117.5	50.97
	-16.7	-17	151.2	59.67	142.7	58.59	134.3	56.67	129.7	54.02	125.8	51.60	117.5	49.13
	-13.7	-15	151.2	56.57	142.7	55.43	134.3	53.62	129.7	51.10	125.8	48.88	117.5	46.49
	-11.8	-13	151.2	54.58	142.7	53.44	134.3	51.68	129.7	49.26	125.8	47.17	117.5	44.82
	-9.8	-11	151.2	52.51	142.7	51.33	134.3	49.64	129.7	47.34	125.8	45.35	117.5	43.06
	-9.5	-10	151.2	52.21	142.7	51.02	134.3	49.33	129.7	47.04	125.8	45.08	117.5	42.80
	-8.5	-9.1	151.2	51.17	142.7	49.96	134.3	48.32	129.7	46.08	125.8	44.17	117.5	41.92
	-7.0	-7.6	151.2	49.61	142.7	48.40	134.3	46.79	129.7	44.62	125.8	42.83	117.5	40.61
	-5.0	-5.6	151.2	47.52	142.7	46.28	134.3	44.75	129.7	42.68	125.8	41.01	117.5	38.85
	-3.0	-3.7	151.2	45.45	142.7	44.19	134.3	42.73	129.7	40.74	125.8	39.20	117.5	37.11
	0.0	-0.7	151.2	42.35	142.7	41.04	134.3	39.66	129.7	37.84	125.8	36.48	117.5	34.46
	3.0	2.2	151.2	39.23	142.7	37.87	134.3	36.61	129.7	34.94	125.8	33.76	117.5	31.84
	5.0	4.1	151.2	37.16	142.7	35.77	134.3	34.59	129.7	33.00	125.8	31.94	117.5	30.08
	7.0	6.0	151.2	35.09	142.7	33.68	134.3	32.55	129.7	31.06	125.8	30.13	117.5	28.33
	9.0	7.9	151.2	31.69	142.7	30.40	134.3	29.39	129.7	28.06	125.8	27.20	117.5	25.59
	11.0	9.8	151.2	29.50	142.7	28.31	134.3	27.35	129.7	26.12	125.8	25.34	117.5	23.82
	13.0	11.8	151.2	27.60	142.7	26.49	134.3	25.59	129.7	24.45	125.8	23.70	117.5	22.29
15.0	13.7	151.2	26.02	142.7	24.98	134.3	24.13	129.7	23.04	125.8	22.34	117.5	21.00	
60	-24.8	-25	115.1	58.78	115.1	59.55	114.3	60.70	111.3	57.60	107.4	54.68	100.6	51.94
	-21.8	-22	123.8	59.93	122.7	60.70	115.1	57.60	111.3	54.68	107.4	51.94	100.6	49.29
	-19.8	-20	129.7	60.70	122.7	58.51	115.1	55.53	111.3	52.74	107.4	50.10	100.6	47.51
	-18.8	-19	129.7	59.59	122.7	57.42	115.1	54.48	111.3	51.76	107.4	49.20	100.6	46.63
	-16.7	-17	129.7	57.27	122.7	55.11	115.1	52.32	111.3	49.72	107.4	47.28	100.6	44.79
	-13.7	-15	129.7	53.98	122.7	51.84	115.1	49.22	111.3	46.81	107.4	44.54	100.6	42.12
	-11.8	-13	129.7	51.87	122.7	49.75	115.1	47.26	111.3	44.97	107.4	42.80	100.6	40.44
	-9.8	-11	129.7	49.65	122.7	47.56	115.1	45.17	111.3	43.03	107.4	40.97	100.6	38.67
	-9.5	-10	129.7	49.33	122.7	47.23	115.1	44.87	111.3	42.73	107.4	40.69	100.6	38.42
	-8.5	-9.1	129.7	48.22	122.7	46.13	115.1	43.83	111.3	41.77	107.4	39.78	100.6	37.52
	-7.0	-7.6	129.7	46.58	122.7	44.49	115.1	42.28	111.3	40.31	107.4	38.42	100.6	36.21
	-5.0	-5.6	129.7	44.37	122.7	42.30	115.1	40.21	111.3	38.37	107.4	36.59	100.6	34.44
	-3.0	-3.7	129.7	42.15	122.7	40.11	115.1	38.15	111.3	36.41	107.4	34.75	100.6	32.66
	0.0	-0.7	129.7	38.84	122.7	36.82	115.1	35.03	111.3	33.51	107.4	32.01	100.6	30.01
	3.0	2.2	129.7	35.54	122.7	33.52	115.1	31.93	111.3	30.60	107.4	29.29	100.6	27.37
	5.0	4.1	129.7	33.32	122.7	31.33	115.1	29.87	111.3	28.66	107.4	27.45	100.6	25.59
	7.0	6.0	129.7	31.11	122.7	29.14	115.1	27.78	111.3	26.70	107.4	25.61	100.6	23.82
	9.0	7.9	129.7	27.76	122.7	26.01	115.1	24.80	111.3	23.82	107.4	22.86	100.6	21.25
	11.0	9.8	129.7	25.92	122.7	24.28	115.1	23.14	111.3	22.26	107.4	21.35	100.6	19.84
	13.0	11.8	129.7	24.28	122.7	22.74	115.1	21.68	111.3	20.85	107.4	19.99	100.6	18.60
15.0	13.7	129.7	22.94	122.7	21.50	115.1	20.50	111.3	19.69	107.4	18.91	100.6	17.57	
50	-24.8	-25	108.2	51.42	102.0	52.58	95.9	49.84	92.8	47.27	89.7	44.84	83.5	42.58
	-21.8	-22	108.2	52.58	102.0	49.84	95.9	47.27	92.8	44.84	89.7	42.58	83.5	40.39
	-19.8	-20	108.2	50.67	102.0	48.00	95.9	45.55	92.8	43.21	89.7	41.06	83.5	38.95
	-18.8	-19	108.2	49.71	102.0	47.09	95.9	44.70	92.8	42.40	89.7	40.31	83.5	38.21
	-16.7	-17	108.2	47.72	102.0	45.17	95.9	42.91	92.8	40.71	89.7	38.72	83.5	36.68
	-13.7	-15	108.2	44.85	102.0	42.43	95.9	40.34	92.8	38.27	89.7	36.45	83.5	34.51
	-11.8	-13	108.2	43.03	102.0	40.69	95.9	38.72	92.8	36.73	89.7	35.02	83.5	33.12
	-9.8	-11	108.2	41.12	102.0	38.87	95.9	37.01	92.8	35.12	89.7	33.53	83.5	31.66
	-9.5	-10	108.2	40.84	102.0	38.59	95.9	36.75	92.8	34.87	89.7	33.30	83.5	31.44
	-8.5	-9.1	108.2	39.88	102.0	37.66	95.9	35.90	92.8	34.06	89.7	32.54	83.5	30.71
	-7.0	-7.6	108.2	38.47	102.0	36.30	95.9	34.61	92.8	32.85	89.7	31.41	83.5	29.62
	-5.0	-5.6	108.2	36.55	102.0	34.48	95.9	32.90	92.8	31.23	89.7	29.90	83.5	28.16
	-3.0	-3.7	108.2	34.64	102.0	32.65	95.9	31.18	92.8	29.60	89.7	28.39	83.5	26.72
	0.0	-0.7	108.2	31.79	102.0	29.90	95.9	28.61	92.8	27.18	89.7	26.12	83.5	24.53
	3.0	2.2	108.2	28.92	102.0	27.15	95.9	26.07	92.8	24.75	89.7	23.85	83.5	22.36
	5.0	4.1	108.2	27.00	102.0	25.33	95.9	24.35	92.8	23.12	89.7	22.36	83.5	20.90
	7.0	6.0	108.2	25.11	102.0	23.50	95.9	22.64	92.8	21.50	89.7	20.85	83.5	19.44
	9.0	7.9	108.2	22.66	102.0	21.23	95.9	20.44	92.8	19.41	89.7	18.83	83.5	17.55
	11.0	9.8	108.2	21.20	102.0	19.86	95.9	19.13	92.8	18.18	89.7	17.62	83.5	16.43
	13.0	11.8	108.2	19.92	102.0	18.65	95.9	17.95	92.8	17.07	89.7	16.54	83.5	15.43
15.0	13.7	108.2	18.83	102.0	17.65	95.9	16.99	92.8	16.14	89.7	15.65	83.5	14.60	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN640BTE5

Heating Capacity (64HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	119.5	67.91	119.5	68.61	118.7	69.21	118.7	70.15	118.7	71.05	117.1	72.44
	-21.8	-22	147.2	69.30	147.2	70.01	146.2	70.63	146.2	71.56	146.2	72.44	144.0	73.86
	-19.8	-20	156.1	70.24	156.1	70.95	155.1	71.56	155.1	72.50	155.1	73.38	152.9	74.78
	-18.8	-19	159.9	70.72	159.9	71.41	158.9	72.02	158.9	72.96	158.9	73.86	156.5	75.26
	-16.7	-17	167.5	71.70	167.5	72.41	166.5	73.00	166.5	73.94	166.5	74.84	164.1	76.24
	-13.7	-15	178.4	73.10	178.4	73.80	177.3	74.42	177.3	75.36	177.3	76.24	174.7	73.52
	-11.8	-13	184.3	74.00	184.3	74.70	183.2	75.30	183.2	76.24	183.2	77.18	181.2	71.78
	-9.8	-11	190.5	74.93	190.5	75.62	189.4	76.24	189.4	77.18	189.4	78.06	187.0	69.96
	-9.5	-10	191.8	75.07	191.8	75.78	190.7	76.24	190.7	77.18	190.7	78.06	188.0	69.70
	-8.5	-9.1	196.5	75.55	196.5	76.24	195.4	76.97	195.4	77.86	195.4	78.75	193.4	68.79
	-7.0	-7.6	203.6	76.24	203.6	76.97	202.2	77.66	202.2	78.55	202.2	79.44	198.6	67.43
	-5.0	-5.6	213.0	77.45	213.0	78.16	211.6	78.87	211.6	79.75	211.6	80.64	205.7	65.61
	-3.0	-3.7	222.4	78.66	222.4	79.37	221.0	80.06	221.0	80.94	221.0	81.82	218.8	63.79
	0.0	-0.7	236.5	80.00	236.5	80.71	234.8	81.42	234.8	82.30	234.8	83.18	231.5	61.06
	3.0	2.2	245.1	81.29	245.1	82.00	243.7	82.71	243.7	83.60	243.7	84.48	240.4	58.34
	5.0	4.1	250.5	82.50	250.5	83.21	249.3	83.92	249.3	84.80	249.3	85.68	246.0	55.62
	7.0	6.0	256.1	83.71	256.1	84.42	254.7	85.13	254.7	86.02	254.7	86.90	251.4	52.90
	9.0	7.9	257.1	84.26	257.1	85.00	256.3	85.71	256.3	86.60	256.3	87.48	253.0	50.18
	11.0	9.8	257.1	85.35	257.1	86.00	256.3	86.71	256.3	87.60	256.3	88.48	253.0	47.46
	13.0	11.8	257.1	86.37	257.1	87.00	256.3	87.71	256.3	88.60	256.3	89.48	253.0	44.74
15.0	13.7	257.1	87.29	257.1	87.71	256.3	88.42	256.3	89.30	256.3	90.18	253.0	42.02	
120	-24.8	-25	118.7	68.61	118.7	69.21	117.9	70.15	117.9	71.05	117.9	72.44	116.3	73.42
	-21.8	-22	146.2	70.01	146.2	70.63	145.2	71.56	145.2	72.44	145.2	73.38	143.2	74.84
	-19.8	-20	155.1	70.95	155.1	71.56	154.0	72.50	154.0	73.38	154.0	74.26	151.8	75.78
	-18.8	-19	158.6	71.41	158.6	72.02	157.6	72.96	157.6	73.86	157.6	74.75	155.4	76.24
	-16.7	-17	166.2	72.41	166.2	73.00	165.2	73.94	165.2	74.84	165.2	75.73	163.0	77.18
	-13.7	-15	177.1	73.80	177.1	74.42	176.0	75.36	176.0	76.24	176.0	77.18	173.4	71.98
	-11.8	-13	183.0	74.70	183.0	75.30	181.9	76.24	181.9	77.18	181.9	78.06	179.4	70.40
	-9.8	-11	189.1	75.62	189.1	76.24	188.0	77.18	188.0	78.06	188.0	78.94	185.6	68.73
	-9.5	-10	190.5	75.78	190.5	76.41	189.4	77.30	189.4	78.18	189.4	79.06	187.0	68.48
	-8.5	-9.1	195.2	76.24	195.2	77.18	193.9	78.06	193.9	78.94	193.9	79.82	191.4	67.63
	-7.0	-7.6	202.2	77.18	202.2	78.06	200.9	78.94	200.9	79.82	200.9	80.70	198.4	66.38
	-5.0	-5.6	211.6	78.06	211.6	78.94	210.2	79.82	210.2	80.70	210.2	81.58	207.7	64.71
	-3.0	-3.7	220.7	79.00	220.7	79.88	219.4	80.76	219.4	81.64	219.4	82.52	216.0	63.05
	0.0	-0.7	234.8	80.71	234.8	81.42	233.0	82.13	233.0	82.84	233.0	83.55	229.4	60.54
	3.0	2.2	243.2	81.29	243.2	82.00	241.7	82.71	241.7	83.42	241.7	84.13	238.0	58.03
	5.0	4.1	248.8	82.50	248.8	83.21	247.1	83.92	247.1	84.63	247.1	85.34	244.0	55.37
	7.0	6.0	254.4	83.71	254.4	84.42	252.4	85.13	252.4	85.84	252.4	86.55	250.0	52.65
	9.0	7.9	255.2	84.26	255.2	85.00	253.4	85.71	253.4	86.42	253.4	87.13	251.0	50.18
	11.0	9.8	255.2	85.35	255.2	86.00	253.4	86.71	253.4	87.42	253.4	88.13	251.0	47.46
	13.0	11.8	255.2	86.37	255.2	87.00	253.4	87.71	253.4	88.42	253.4	89.13	251.0	44.74
15.0	13.7	255.2	87.29	255.2	87.71	253.4	88.42	253.4	89.13	253.4	90.00	251.0	42.02	
110	-24.8	-25	118.1	69.21	118.1	70.15	117.4	71.05	117.4	72.44	117.4	73.42	115.6	73.90
	-21.8	-22	145.4	70.63	145.4	71.56	144.4	72.44	144.4	73.38	144.4	74.30	142.4	75.30
	-19.8	-20	154.3	71.56	154.3	72.50	153.2	73.38	153.2	74.26	153.2	75.18	151.0	76.24
	-18.8	-19	157.8	72.02	157.8	72.96	156.8	73.86	156.8	74.75	156.8	75.63	154.6	75.31
	-16.7	-17	165.4	73.00	165.4	73.94	164.4	74.84	164.4	75.73	164.4	76.62	162.0	73.33
	-13.7	-15	176.1	74.42	176.1	75.36	175.0	76.24	175.0	77.18	175.0	78.06	172.4	70.53
	-11.8	-13	181.9	75.30	181.9	76.24	180.9	77.18	180.9	78.06	180.9	78.94	178.4	68.74
	-9.8	-11	188.1	76.24	188.1	77.18	187.0	78.06	187.0	78.94	187.0	79.82	184.6	66.86
	-9.5	-10	189.4	76.41	189.4	77.30	188.4	78.18	188.4	79.06	188.4	80.00	186.0	66.58
	-8.5	-9.1	194.1	77.18	194.1	78.06	193.0	78.94	193.0	79.82	193.0	80.70	190.6	65.65
	-7.0	-7.6	201.1	78.06	201.1	78.94	199.8	79.82	199.8	80.70	199.8	81.58	197.4	64.24
	-5.0	-5.6	210.3	79.00	210.3	79.88	208.9	80.76	208.9	81.64	208.9	82.52	206.4	62.37
	-3.0	-3.7	219.6	79.88	219.6	80.76	218.3	81.64	218.3	82.52	218.3	83.40	215.8	60.49
	0.0	-0.7	231.5	81.42	231.5	82.13	229.4	82.84	229.4	83.55	229.4	84.26	226.0	57.67
	3.0	2.2	239.7	82.00	239.7	82.71	237.5	83.42	237.5	84.13	237.5	84.84	234.0	54.87
	5.0	4.1	245.3	83.21	245.3	83.92	243.7	84.63	243.7	85.34	243.7	86.05	240.2	52.99
	7.0	6.0	245.3	84.42	245.3	85.13	243.7	85.84	243.7	86.55	243.7	87.26	240.2	50.12
	9.0	7.9	245.3	85.00	245.3	85.71	243.7	86.42	243.7	87.13	243.7	87.84	240.2	47.49
	11.0	9.8	245.3	86.00	245.3	86.71	243.7	87.42	243.7	88.13	243.7	88.84	240.2	44.89
	13.0	11.8	245.3	87.00	245.3	87.71	243.7	88.13	243.7	88.84	243.7	89.55	240.2	42.30
15.0	13.7	245.3	87.71	245.3	88.42	243.7	89.13	243.7	90.00	243.7	90.90	240.2	39.71	

# 7. Capacity Tables

Heating Capacity (64HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	117.6	76.72	117.6	76.65	116.8	72.21	116.8	76.51	116.8	76.43	115.0	76.41
	-21.8	-22	144.6	76.63	144.6	76.56	143.8	74.48	143.8	76.40	143.8	77.38	141.6	76.30
	-19.8	-20	153.5	76.56	153.5	76.50	152.7	75.94	152.7	76.34	152.7	76.63	150.5	76.24
	-18.8	-19	157.1	76.52	156.2	76.47	156.2	76.40	156.2	76.31	156.2	76.24	153.8	75.08
	-16.7	-17	163.6	76.46	163.6	76.40	163.6	77.38	162.8	76.24	162.8	73.84	160.4	72.63
	-13.7	-15	175.3	76.37	175.3	76.31	174.2	76.24	174.2	72.79	174.2	70.44	171.8	69.14
	-11.8	-13	181.1	76.30	180.1	76.24	180.1	73.95	180.1	70.60	180.1	68.27	173.3	66.93
	-9.8	-11	187.0	76.24	187.0	73.67	186.2	71.51	186.2	68.29	184.2	65.98	173.5	64.61
	-9.5	-10	188.4	75.85	188.4	73.28	187.6	71.15	187.6	67.95	184.8	65.65	173.5	64.25
	-8.5	-9.1	193.0	74.49	193.0	72.00	192.2	69.94	192.6	66.80	186.2	64.49	173.5	63.09
	-7.0	-7.6	203.3	72.49	202.5	70.07	199.0	68.12	192.6	65.07	186.2	62.79	173.5	61.34
	-5.0	-5.6	212.2	69.83	210.0	67.51	199.0	65.71	192.6	62.78	186.2	60.52	173.5	59.01
	-3.0	-3.7	218.3	67.14	211.8	64.92	199.0	63.29	192.6	60.47	186.2	58.23	173.5	56.69
	0.0	-0.7	224.5	63.14	211.8	61.07	199.0	59.65	192.6	57.02	186.2	54.81	173.5	53.19
	3.0	2.2	224.5	59.12	211.8	57.22	199.0	56.02	192.6	53.55	186.2	51.41	173.5	49.71
	5.0	4.1	224.5	56.43	211.8	54.65	199.0	53.59	192.6	51.26	186.2	49.12	173.5	47.37
	7.0	6.0	224.5	53.76	211.8	52.08	199.0	51.17	192.6	48.95	186.2	46.85	173.5	45.04
9.0	7.9	224.5	51.86	211.8	50.23	199.0	49.37	192.6	47.22	186.2	45.18	173.5	43.46	
11.0	9.8	224.5	50.40	211.8	48.83	199.0	47.97	192.6	45.90	186.2	43.91	173.5	42.23	
13.0	11.8	224.5	48.84	211.8	47.32	199.0	46.48	192.6	44.47	186.2	42.56	173.5	40.93	
15.0	13.7	224.5	47.19	211.8	45.70	199.0	44.91	192.6	42.96	186.2	41.10	173.5	39.53	
90	-24.8	-25	117.1	68.17	117.1	69.57	116.3	70.57	116.3	71.03	116.3	71.97	114.7	73.36
	-21.8	-22	144.1	69.57	144.1	70.99	143.3	71.97	143.3	72.42	143.3	73.36	141.1	70.32
	-19.8	-20	153.0	70.51	153.0	71.91	151.9	72.90	151.9	73.36	151.9	71.30	149.7	68.28
	-18.8	-19	157.1	70.99	156.2	72.39	155.5	73.36	155.5	72.29	155.5	70.25	153.3	67.26
	-16.7	-17	163.6	71.97	163.6	73.36	163.0	71.17	163.0	70.05	163.0	68.06	157.6	65.11
	-13.7	-15	175.3	73.36	175.3	70.11	173.7	68.03	173.7	66.85	169.7	64.95	158.6	62.05
	-11.8	-13	181.1	71.14	180.1	68.04	179.3	66.04	175.3	64.83	170.8	62.97	158.6	60.11
	-9.8	-11	187.0	68.80	187.0	65.88	181.0	63.94	176.5	62.70	170.8	60.90	158.6	58.09
	-9.5	-10	188.4	68.45	188.4	65.55	181.6	63.63	176.5	62.37	170.8	60.59	158.6	57.78
	-8.5	-9.1	193.0	67.28	191.7	64.46	182.1	62.59	176.5	61.30	170.8	59.55	158.6	56.76
	-7.0	-7.6	203.3	65.53	193.4	62.83	182.1	61.01	176.5	59.70	170.8	57.99	158.6	55.23
	-5.0	-5.6	205.5	63.18	193.4	60.65	182.1	58.91	176.5	57.58	170.8	55.91	158.6	53.19
	-3.0	-3.7	205.5	60.85	193.4	58.49	182.1	56.82	176.5	55.44	170.8	53.82	158.6	51.15
	0.0	-0.7	205.5	57.33	193.4	55.22	182.1	53.67	176.5	52.24	170.8	50.71	158.6	48.08
	3.0	2.2	205.5	53.81	193.4	51.97	182.1	50.54	176.5	49.03	170.8	47.60	158.6	45.04
	5.0	4.1	205.5	51.48	193.4	49.79	182.1	48.44	176.5	46.89	170.8	45.51	158.6	43.00
	7.0	6.0	205.5	49.13	193.4	47.61	182.1	46.35	176.5	44.76	170.8	43.42	158.6	40.96
9.0	7.9	205.5	46.92	193.4	45.47	182.1	44.24	176.5	42.74	170.8	41.46	158.6	39.10	
11.0	9.8	205.5	44.68	193.4	43.31	182.1	42.16	176.5	40.71	170.8	39.51	158.6	37.25	
13.0	11.8	205.5	42.47	193.4	41.16	182.1	40.05	176.5	38.68	170.8	37.55	158.6	35.39	
15.0	13.7	205.5	40.26	193.4	39.02	182.1	37.96	176.5	36.67	170.8	35.57	158.6	33.54	
80	-24.8	-25	116.6	59.86	116.6	61.26	115.8	62.26	115.8	62.71	115.8	65.05	114.2	62.37
	-21.8	-22	142.5	61.26	142.5	62.68	142.5	63.65	142.5	65.05	142.5	62.37	139.9	59.78
	-19.8	-20	151.4	62.20	151.4	63.62	151.4	65.05	151.4	63.16	150.0	60.58	141.7	58.05
	-18.8	-19	154.9	62.68	154.9	65.05	154.9	64.11	154.9	62.22	150.9	59.69	141.7	57.18
	-16.7	-17	160.8	65.05	160.8	63.07	160.8	62.10	157.2	60.23	152.4	57.80	141.7	55.36
	-13.7	-15	170.3	62.13	166.9	60.22	162.9	59.22	158.0	57.40	152.4	55.12	141.7	52.78
	-11.8	-13	174.4	60.25	169.3	58.44	162.9	57.41	158.0	55.59	152.4	53.41	141.7	51.14
	-9.8	-11	178.6	58.30	171.5	56.53	162.9	55.50	158.0	53.70	152.4	51.62	141.7	49.41
	-9.5	-10	179.9	58.02	172.6	56.25	162.9	55.22	158.0	53.42	152.4	51.34	141.7	49.15
	-8.5	-9.1	181.9	57.03	173.5	55.31	162.9	54.25	158.0	52.47	152.4	50.45	141.7	48.28
	-7.0	-7.6	184.0	55.56	173.5	53.89	162.9	52.83	158.0	51.05	152.4	49.09	141.7	47.00
	-5.0	-5.6	184.0	53.60	173.5	51.98	162.9	50.90	158.0	49.16	152.4	47.31	141.7	45.26
	-3.0	-3.7	184.0	51.65	173.5	50.10	162.9	48.99	158.0	47.25	152.4	45.52	141.7	43.55
	0.0	-0.7	184.0	48.70	173.5	47.25	162.9	46.13	158.0	44.42	152.4	42.84	141.7	40.94
	3.0	2.2	184.0	45.76	173.5	44.43	162.9	43.26	158.0	41.59	152.4	40.13	141.7	38.36
	5.0	4.1	184.0	43.80	173.5	42.52	162.9	41.35	158.0	39.68	152.4	38.34	141.7	36.62
	7.0	6.0	184.0	41.85	173.5	40.64	162.9	39.44	158.0	37.79	152.4	36.56	141.7	34.91
9.0	7.9	184.0	39.30	173.5	38.15	162.9	37.03	158.0	35.48	152.4	34.33	141.7	32.76	
11.0	9.8	184.0	36.48	173.5	35.41	162.9	34.36	158.0	32.94	152.4	31.85	141.7	30.41	
13.0	11.8	184.0	34.04	173.5	33.05	162.9	32.08	158.0	30.74	152.4	29.73	141.7	28.39	
15.0	13.7	184.0	32.05	173.5	31.11	162.9	30.19	158.0	28.94	152.4	27.99	141.7	26.73	

# 7. Capacity Tables

Heating Capacity (64HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	116.6	60.54	116.6	61.00	115.8	61.94	115.8	63.35	115.8	60.41	114.2	57.68
	-21.8	-22	138.3	61.94	138.6	62.41	137.7	63.35	133.9	60.41	129.9	57.68	121.3	55.00
	-19.8	-20	150.8	62.87	146.2	63.35	138.7	61.30	133.9	58.47	129.9	55.84	121.3	53.22
	-18.8	-19	153.7	63.35	147.1	62.29	138.7	60.26	133.9	57.48	129.9	54.93	121.3	52.34
	-16.7	-17	155.8	61.15	147.3	60.06	138.7	58.12	133.9	55.44	129.9	52.99	121.3	50.48
	-13.7	-15	156.1	58.03	147.3	56.89	138.7	55.05	133.9	52.49	129.9	50.24	121.3	47.81
	-11.8	-13	156.1	56.04	147.3	54.88	138.7	53.09	133.9	50.64	129.9	48.51	121.3	46.12
	-9.8	-11	156.1	53.96	147.3	52.75	138.7	51.03	133.9	48.70	129.9	46.68	121.3	44.34
	-9.5	-10	156.1	53.65	147.3	52.44	138.7	50.73	133.9	48.39	129.9	46.40	121.3	44.08
	-8.5	-9.1	156.1	52.61	147.3	51.38	138.7	49.71	133.9	47.43	129.9	45.48	121.3	43.19
	-7.0	-7.6	156.1	51.04	147.3	49.80	138.7	48.16	133.9	45.95	129.9	44.13	121.3	41.86
	-5.0	-5.6	156.1	48.94	147.3	47.67	138.7	46.11	133.9	43.99	129.9	42.29	121.3	40.08
	-3.0	-3.7	156.1	46.86	147.3	45.57	138.7	44.07	133.9	42.04	129.9	40.46	121.3	38.31
	0.0	-0.7	156.1	43.75	147.3	42.39	138.7	40.98	133.9	39.11	129.9	37.71	121.3	35.64
	3.0	2.2	156.1	40.61	147.3	39.20	138.7	37.90	133.9	36.18	129.9	34.96	121.3	32.98
	5.0	4.1	156.1	38.53	147.3	37.09	138.7	35.86	133.9	34.22	129.9	33.13	121.3	31.20
	7.0	6.0	156.1	36.45	147.3	34.98	138.7	33.81	133.9	32.27	129.9	31.30	121.3	29.43
9.0	7.9	156.1	32.91	147.3	31.58	138.7	30.53	133.9	29.15	129.9	28.26	121.3	26.58	
11.0	9.8	156.1	30.64	147.3	29.41	138.7	28.42	133.9	27.13	129.9	26.32	121.3	24.75	
13.0	11.8	156.1	28.67	147.3	27.52	138.7	26.58	133.9	25.40	129.9	24.62	121.3	23.15	
15.0	13.7	156.1	27.03	147.3	25.95	138.7	25.06	133.9	23.94	129.9	23.20	121.3	21.82	
60	-24.8	-25	116.6	59.60	116.6	60.54	115.8	61.94	113.6	58.82	110.6	55.89	103.9	53.12
	-21.8	-22	126.9	61.00	126.7	61.94	118.9	58.82	114.9	55.89	110.9	53.12	103.9	50.45
	-19.8	-20	133.9	61.94	126.7	59.74	118.9	56.75	114.9	53.94	110.9	51.28	103.9	48.66
	-18.8	-19	133.9	60.83	126.7	58.65	118.9	55.69	114.9	52.95	110.9	50.36	103.9	47.77
	-16.7	-17	133.9	58.51	126.7	56.33	118.9	53.51	114.9	50.90	110.9	48.43	103.9	45.91
	-13.7	-15	133.9	55.21	126.7	53.04	118.9	50.40	114.9	47.96	110.9	45.67	103.9	43.22
	-11.8	-13	133.9	53.10	126.7	50.95	118.9	48.43	114.9	46.11	110.9	43.92	103.9	41.52
	-9.8	-11	133.9	50.88	126.7	48.75	118.9	46.33	114.9	44.16	110.9	42.07	103.9	39.74
	-9.5	-10	133.9	50.55	126.7	48.42	118.9	46.03	114.9	43.86	110.9	41.79	103.9	39.48
	-8.5	-9.1	133.9	49.44	126.7	47.32	118.9	44.99	114.9	42.90	110.9	40.88	103.9	38.57
	-7.0	-7.6	133.9	47.80	126.7	45.67	118.9	43.42	114.9	41.43	110.9	39.51	103.9	37.25
	-5.0	-5.6	133.9	45.59	126.7	43.48	118.9	41.35	114.9	39.48	110.9	37.66	103.9	35.47
	-3.0	-3.7	133.9	43.37	126.7	41.28	118.9	39.28	114.9	37.51	110.9	35.81	103.9	33.67
	0.0	-0.7	133.9	40.05	126.7	37.97	118.9	36.14	114.9	34.59	110.9	33.05	103.9	31.00
	3.0	2.2	133.9	36.75	126.7	34.67	118.9	33.03	114.9	31.66	110.9	30.31	103.9	28.33
	5.0	4.1	133.9	34.53	126.7	32.47	118.9	30.96	114.9	29.71	110.9	28.46	103.9	26.53
	7.0	6.0	133.9	32.32	126.7	30.27	118.9	28.86	114.9	27.73	110.9	26.61	103.9	24.75
9.0	7.9	133.9	28.83	126.7	27.02	118.9	25.77	114.9	24.75	110.9	23.75	103.9	22.08	
11.0	9.8	133.9	26.92	126.7	25.22	118.9	24.04	114.9	23.12	110.9	22.18	103.9	20.61	
13.0	11.8	133.9	25.22	126.7	23.62	118.9	22.52	114.9	21.66	110.9	20.77	103.9	19.32	
15.0	13.7	133.9	23.83	126.7	22.34	118.9	21.29	114.9	20.45	110.9	19.64	103.9	18.25	
50	-24.8	-25	111.7	52.60	105.3	54.02	99.1	51.22	95.9	48.60	92.7	46.13	86.3	43.82
	-21.8	-22	111.7	54.02	105.3	51.22	99.1	48.60	95.9	46.13	92.7	43.82	86.3	41.58
	-19.8	-20	111.7	52.07	105.3	49.35	99.1	46.86	95.9	44.47	92.7	42.28	86.3	40.11
	-18.8	-19	111.7	51.10	105.3	48.42	99.1	45.98	95.9	43.64	92.7	41.51	86.3	39.37
	-16.7	-17	111.7	49.07	105.3	46.47	99.1	44.16	95.9	41.92	92.7	39.89	86.3	37.80
	-13.7	-15	111.7	46.15	105.3	43.68	99.1	41.54	95.9	39.43	92.7	37.57	86.3	35.58
	-11.8	-13	111.7	44.31	105.3	41.91	99.1	39.90	95.9	37.86	92.7	36.11	86.3	34.17
	-9.8	-11	111.7	42.36	105.3	40.06	99.1	38.15	95.9	36.22	92.7	34.59	86.3	32.67
	-9.5	-10	111.7	42.08	105.3	39.78	99.1	37.89	95.9	35.96	92.7	34.36	86.3	32.45
	-8.5	-9.1	111.7	41.10	105.3	38.83	99.1	37.02	95.9	35.14	92.7	33.59	86.3	31.70
	-7.0	-7.6	111.7	39.66	105.3	37.44	99.1	35.71	95.9	33.90	92.7	32.43	86.3	30.59
	-5.0	-5.6	111.7	37.72	105.3	35.59	99.1	33.97	95.9	32.26	92.7	30.89	86.3	29.10
	-3.0	-3.7	111.7	35.77	105.3	33.72	99.1	32.22	95.9	30.59	92.7	29.34	86.3	27.63
	0.0	-0.7	111.7	32.87	105.3	30.93	99.1	29.60	95.9	28.12	92.7	27.03	86.3	25.39
	3.0	2.2	111.7	29.95	105.3	28.13	99.1	27.01	95.9	25.65	92.7	24.72	86.3	23.17
	5.0	4.1	111.7	28.01	105.3	26.28	99.1	25.26	95.9	23.98	92.7	23.20	86.3	21.68
	7.0	6.0	111.7	26.08	105.3	24.41	99.1	23.52	95.9	22.34	92.7	21.65	86.3	20.19
9.0	7.9	111.7	23.54	105.3	22.05	99.1	21.24	95.9	20.17	92.7	19.56	86.3	18.23	
11.0	9.8	111.7	22.03	105.3	20.63	99.1	19.87	95.9	18.88	92.7	18.30	86.3	17.07	
13.0	11.8	111.7	20.69	105.3	19.38	99.1	18.65	95.9	17.73	92.7	17.18	86.3	16.03	
15.0	13.7	111.7	19.56	105.3	18.33	99.1	17.65	95.9	16.76	92.7	16.26	86.3	15.16	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN660BTE5

Heating Capacity (66HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	128.1	72.09	128.1	72.66	127.2	73.12	127.2	73.86	127.2	74.58	124.9	75.68
	-21.8	-22	156.2	73.20	156.2	73.76	155.1	74.24	155.1	74.98	155.1	75.68	152.1	76.80
	-19.8	-20	164.9	73.94	164.9	74.50	163.8	74.98	163.8	75.73	163.8	76.42	160.7	77.52
	-18.8	-19	168.6	74.32	168.6	74.86	167.5	75.35	167.5	76.09	167.5	76.80	164.2	77.90
	-16.7	-17	176.1	75.09	176.1	75.65	174.9	76.12	174.9	76.86	174.9	77.57	171.6	78.67
	-13.7	-15	186.8	76.19	186.8	76.75	185.6	77.24	185.6	77.98	185.6	78.67	182.1	75.72
	-11.8	-13	192.8	76.91	192.8	77.47	191.7	77.93	191.7	78.67	191.7	79.38	188.7	73.83
	-9.8	-11	199.2	77.65	199.2	78.19	198.1	78.67	198.1	79.41	198.1	80.15	195.7	71.86
	-9.5	-10	200.3	77.75	200.3	78.31	199.2	78.83	199.2	79.57	199.2	80.31	196.8	71.58
	-8.5	-9.1	204.2	78.13	204.2	78.67	203.1	79.20	203.1	79.94	203.1	80.68	200.2	70.58
	-7.0	-7.6	210.0	78.67	210.0	79.21	208.7	79.75	208.7	80.49	208.7	81.23	205.4	69.10
	-5.0	-5.6	217.8	76.63	217.8	77.17	216.4	77.71	216.4	78.45	216.4	79.19	212.3	67.13
	-3.0	-3.7	225.5	74.59	225.5	75.03	224.1	75.57	224.1	76.31	224.1	77.05	219.3	65.16
	0.0	-0.7	237.1	71.54	237.1	71.98	235.5	72.52	235.5	73.26	235.5	74.00	229.9	62.18
	3.0	2.2	248.8	68.47	248.8	68.91	247.1	69.45	247.1	70.19	247.1	70.93	231.8	59.23
	5.0	4.1	256.3	66.43	256.3	66.87	254.9	67.41	254.9	68.15	254.9	68.89	231.8	57.26
	7.0	6.0	264.1	64.39	264.1	64.83	262.4	65.37	262.4	66.11	262.4	66.85	231.8	55.28
	9.0	7.9	265.3	62.71	265.3	63.15	264.5	63.59	264.5	64.33	264.5	65.07	231.8	53.84
	11.0	9.8	265.3	61.58	265.3	62.02	264.5	62.46	264.5	63.20	264.5	63.94	231.8	52.86
	13.0	11.8	265.3	60.36	265.3	60.80	264.5	61.24	264.5	61.98	264.5	62.72	231.8	51.82
15.0	13.7	265.3	59.04	265.3	59.48	264.5	59.92	264.5	60.66	264.5	61.40	231.8	50.68	
120	-24.8	-25	127.2	72.66	127.2	73.12	126.4	73.86	126.4	74.58	126.4	75.34	124.1	76.45
	-21.8	-22	155.1	73.76	155.1	74.24	154.0	74.98	154.0	75.73	154.0	76.47	151.2	77.57
	-19.8	-20	163.7	74.50	163.7	74.98	162.6	75.73	162.6	76.47	162.6	77.16	159.6	78.31
	-18.8	-19	167.2	74.86	167.2	75.35	166.1	76.09	166.1	76.80	166.1	77.51	163.1	78.67
	-16.7	-17	174.7	75.65	174.7	76.12	173.6	76.86	173.6	77.57	173.6	78.28	170.3	76.78
	-13.7	-15	185.4	76.75	185.4	77.24	184.3	77.98	184.3	78.67	184.3	79.38	180.7	74.05
	-11.8	-13	191.5	77.47	191.5	77.93	190.3	78.67	190.3	79.41	190.3	80.15	187.4	72.33
	-9.8	-11	197.8	78.19	197.8	78.67	196.7	79.15	196.7	79.89	196.7	80.63	194.3	70.52
	-9.5	-10	198.9	78.31	198.9	78.83	197.8	79.35	197.8	80.09	197.8	80.83	195.4	70.24
	-8.5	-9.1	202.8	78.67	202.8	79.21	201.5	79.75	201.5	80.49	201.5	81.23	198.7	69.33
	-7.0	-7.6	208.6	76.95	208.6	77.41	207.2	77.95	207.2	78.69	207.2	79.43	204.0	67.97
	-5.0	-5.6	216.3	74.63	216.3	75.07	215.0	75.61	215.0	76.35	215.0	77.09	210.9	66.16
	-3.0	-3.7	223.9	72.31	223.9	72.75	222.5	73.29	222.5	74.03	222.5	74.77	216.9	64.35
	0.0	-0.7	235.5	68.84	235.5	69.28	233.9	69.82	233.9	70.56	233.9	71.30	217.7	61.62
	3.0	2.2	246.9	65.36	246.9	65.80	245.4	66.34	245.4	67.08	245.4	67.82	217.7	58.90
	5.0	4.1	254.6	63.05	254.6	63.49	253.1	64.03	253.1	64.77	253.1	65.51	217.7	57.09
	7.0	6.0	262.3	60.73	262.3	61.17	260.5	61.71	260.5	62.45	260.5	63.19	217.7	55.26
	9.0	7.9	263.3	58.99	263.3	59.43	261.5	59.97	261.5	60.71	261.5	61.45	217.7	53.69
	11.0	9.8	263.3	57.77	263.3	58.21	261.5	58.75	261.5	59.49	261.5	60.23	217.7	52.58
	13.0	11.8	263.3	56.47	263.3	56.91	261.5	57.45	261.5	58.19	261.5	58.93	217.7	51.40
15.0	13.7	263.3	55.06	263.3	55.50	261.5	56.04	261.5	56.78	261.5	57.52	217.7	50.11	
110	-24.8	-25	126.6	73.12	126.6	73.66	125.8	74.58	125.8	75.34	125.8	76.10	123.3	76.83
	-21.8	-22	154.3	74.24	154.3	74.78	153.2	75.68	153.2	76.42	153.2	77.16	150.4	77.93
	-19.8	-20	162.9	74.98	162.9	75.52	161.8	76.42	161.8	77.16	161.8	77.90	158.7	78.67
	-18.8	-19	166.4	75.35	166.4	75.89	165.3	76.80	165.3	77.54	165.3	78.28	162.2	77.68
	-16.7	-17	173.8	76.12	173.8	76.66	172.7	77.57	172.7	78.31	172.7	79.05	169.4	75.55
	-13.7	-15	184.3	77.24	184.3	77.78	183.2	78.67	183.2	79.41	183.2	80.15	182.2	72.54
	-11.8	-13	190.4	77.93	190.4	78.39	189.2	79.28	189.2	80.02	189.2	80.76	189.2	70.61
	-9.8	-11	196.7	78.67	196.7	79.13	195.6	79.87	195.6	80.61	195.6	81.35	194.3	68.59
	-9.5	-10	197.8	78.78	197.8	79.32	196.7	80.06	196.7	80.80	196.7	81.54	195.9	68.29
	-8.5	-9.1	201.7	76.94	201.7	77.38	200.6	77.92	200.6	78.66	200.6	79.40	195.9	67.29
	-7.0	-7.6	207.5	74.91	207.5	75.35	206.1	75.89	206.1	76.63	206.1	77.37	195.9	65.77
	-5.0	-5.6	215.0	72.23	215.0	72.67	213.6	73.21	213.6	73.95	213.6	74.69	195.9	63.76
	-3.0	-3.7	222.7	69.56	222.7	70.00	221.4	70.54	221.4	71.28	221.4	72.02	195.9	61.74
	0.0	-0.7	234.1	65.52	234.1	65.96	232.4	66.50	232.4	67.24	232.4	67.98	195.9	58.70
	3.0	2.2	245.5	61.48	245.5	61.92	244.1	62.46	244.1	63.20	244.1	63.94	195.9	55.69
	5.0	4.1	253.1	58.81	253.1	59.25	251.4	59.83	251.4	60.57	251.4	61.31	195.9	53.67
	7.0	6.0	253.1	56.13	253.1	56.57	251.4	57.11	251.4	57.85	251.4	58.59	195.9	51.66
	9.0	7.9	253.1	54.27	253.1	54.71	251.4	55.25	251.4	55.99	251.4	56.73	195.9	49.96
	11.0	9.8	253.1	52.90	253.1	53.34	251.4	53.83	251.4	54.57	251.4	55.31	195.9	48.69
	13.0	11.8	253.1	51.41	253.1	51.85	251.4	52.39	251.4	53.13	251.4	53.87	195.9	47.33
15.0	13.7	253.1	49.85	253.1	50.29	251.4	50.77	251.4	51.51	251.4	52.25	195.9	45.89	

# 7. Capacity Tables

Heating Capacity (66HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	126.0	79.84	126.0	79.68	125.2	74.86	125.2	79.32	125.2	79.14	122.7	79.08
	-21.8	-22	153.5	79.61	153.5	79.46	152.6	77.22	152.6	79.07	152.6	79.84	149.6	78.83
	-19.8	-20	162.1	79.46	162.1	79.30	161.2	78.71	161.2	78.92	161.2	79.08	158.2	78.67
	-18.8	-19	165.6	79.37	164.7	79.23	164.7	79.07	164.7	78.85	164.7	78.67	161.4	77.44
	-16.7	-17	171.9	79.21	171.9	79.06	171.9	79.84	171.1	78.67	171.1	76.12	167.8	74.84
	-13.7	-15	183.5	78.99	183.5	78.83	182.4	78.67	182.4	74.98	182.4	72.49	179.0	71.14
	-11.8	-13	189.5	78.83	188.4	78.67	188.4	76.21	188.4	72.64	188.4	70.18	179.0	68.78
	-9.8	-11	195.6	78.67	195.6	75.91	194.8	73.59	194.8	70.17	192.1	67.74	179.0	66.31
	-9.5	-10	196.7	78.25	196.7	75.49	195.9	73.20	195.9	69.81	192.1	67.38	179.0	65.93
	-8.5	-9.1	200.6	76.79	200.6	74.11	199.7	71.90	198.7	68.57	192.1	66.15	179.0	64.70
	-7.0	-7.6	209.7	74.62	208.9	72.03	205.3	69.94	198.7	66.72	192.1	64.34	179.0	62.84
	-5.0	-5.6	218.9	71.73	216.7	69.26	205.3	67.35	198.7	64.27	192.1	61.92	179.0	60.37
	-3.0	-3.7	225.2	68.82	218.5	66.47	205.3	64.75	198.7	61.79	192.1	59.48	179.0	57.90
	0.0	-0.7	231.6	64.48	218.5	62.32	205.3	60.83	198.7	58.10	192.1	55.83	179.0	54.18
	3.0	2.2	231.6	60.13	218.5	58.17	205.3	56.93	198.7	54.39	192.1	52.20	179.0	50.48
	5.0	4.1	231.6	57.22	218.5	55.40	205.3	54.31	198.7	51.94	192.1	49.76	179.0	47.99
	7.0	6.0	231.6	54.33	218.5	52.63	205.3	51.71	198.7	49.46	192.1	47.34	179.0	45.52
	9.0	7.9	231.6	52.15	218.5	50.51	205.3	49.64	198.7	47.48	192.1	45.43	179.0	43.69
	11.0	9.8	231.6	50.40	218.5	48.83	205.3	47.97	198.7	45.90	192.1	43.91	179.0	42.23
	13.0	11.8	231.6	48.54	218.5	47.03	205.3	46.20	198.7	44.20	192.1	42.29	179.0	40.68
15.0	13.7	231.6	46.58	218.5	45.11	205.3	44.34	198.7	42.40	192.1	40.57	179.0	39.02	
90	-24.8	-25	125.5	71.60	125.5	72.70	124.7	73.49	124.7	73.85	124.7	74.60	122.4	75.70
	-21.8	-22	152.9	72.70	152.9	73.83	152.0	74.60	152.0	74.96	152.0	75.70	149.0	72.48
	-19.8	-20	161.5	73.45	161.5	74.55	160.4	75.34	160.4	75.70	160.4	76.30	157.4	70.31
	-18.8	-19	165.6	73.83	164.7	74.93	163.9	75.70	163.9	74.56	163.9	72.39	160.8	69.23
	-16.7	-17	171.9	74.60	171.9	75.70	171.3	73.36	171.3	72.17	171.3	70.07	163.6	66.96
	-13.7	-15	183.5	75.70	183.5	72.22	181.8	70.00	181.8	68.76	176.3	66.76	163.6	63.72
	-11.8	-13	189.5	73.30	188.4	69.99	187.6	67.88	182.1	66.61	176.3	64.65	163.6	61.67
	-9.8	-11	195.6	70.80	195.6	67.68	187.9	65.63	182.1	64.34	176.3	62.45	163.6	59.53
	-9.5	-10	196.7	70.42	196.7	67.33	187.9	65.30	182.1	63.99	176.3	62.13	163.6	59.20
	-8.5	-9.1	200.6	69.16	199.2	66.16	187.9	64.18	182.1	62.85	176.3	61.02	163.6	58.12
	-7.0	-7.6	209.7	67.28	199.5	64.42	187.9	62.50	182.1	61.14	176.3	59.36	163.6	56.50
	-5.0	-5.6	212.0	64.75	199.5	62.08	187.9	60.25	182.1	58.89	176.3	57.15	163.6	54.34
	-3.0	-3.7	212.0	62.25	199.5	59.77	187.9	58.02	182.1	56.61	176.3	54.93	163.6	52.18
	0.0	-0.7	212.0	58.46	199.5	56.27	187.9	54.66	182.1	53.20	176.3	51.62	163.6	48.93
	3.0	2.2	212.0	54.68	199.5	52.78	187.9	51.32	182.1	49.78	176.3	48.32	163.6	45.71
	5.0	4.1	212.0	52.18	199.5	50.45	187.9	49.07	182.1	47.50	176.3	46.10	163.6	43.55
	7.0	6.0	212.0	49.65	199.5	48.11	187.9	46.84	182.1	45.23	176.3	43.88	163.6	41.39
	9.0	7.9	212.0	47.28	199.5	45.83	187.9	44.59	182.1	43.08	176.3	41.79	163.6	39.41
	11.0	9.8	212.0	44.90	199.5	43.52	187.9	42.36	182.1	40.91	176.3	39.70	163.6	37.43
	13.0	11.8	212.0	42.53	199.5	41.22	187.9	40.11	182.1	38.74	176.3	37.60	163.6	35.45
15.0	13.7	212.0	40.17	199.5	38.93	187.9	37.88	182.1	36.59	176.3	35.49	163.6	33.47	
80	-24.8	-25	124.9	63.02	124.9	64.13	124.1	64.92	124.1	65.28	124.1	67.12	121.8	64.28
	-21.8	-22	151.3	64.13	151.3	65.25	151.3	66.02	151.3	67.12	151.3	64.28	146.2	61.55
	-19.8	-20	159.8	64.87	159.8	65.99	159.8	67.12	159.8	65.12	157.2	62.39	146.2	59.72
	-18.8	-19	163.3	65.25	163.3	67.12	163.3	66.12	162.8	64.12	157.2	61.44	146.2	58.80
	-16.7	-17	168.0	67.12	168.0	65.00	168.0	63.98	163.0	62.00	157.2	59.44	146.2	56.88
	-13.7	-15	175.7	63.99	172.2	61.97	168.0	60.91	163.0	59.00	157.2	56.60	146.2	54.15
	-11.8	-13	180.3	61.99	175.0	60.06	168.0	58.99	163.0	57.08	157.2	54.79	146.2	52.42
	-9.8	-11	185.0	59.89	177.3	58.03	168.0	56.95	163.0	55.07	157.2	52.89	146.2	50.59
	-9.5	-10	186.3	59.59	178.4	57.73	168.0	56.65	163.0	54.78	157.2	52.60	146.2	50.32
	-8.5	-9.1	188.1	58.53	179.0	56.73	168.0	55.63	163.0	53.77	157.2	51.65	146.2	49.40
	-7.0	-7.6	189.8	56.96	179.0	55.21	168.0	54.11	163.0	52.26	157.2	50.22	146.2	48.05
	-5.0	-5.6	189.8	54.87	179.0	53.18	168.0	52.05	163.0	50.26	157.2	48.33	146.2	46.21
	-3.0	-3.7	189.8	52.77	179.0	51.17	168.0	50.02	163.0	48.23	157.2	46.43	146.2	44.40
	0.0	-0.7	189.8	49.62	179.0	48.13	168.0	46.98	163.0	45.22	157.2	43.59	146.2	41.65
	3.0	2.2	189.8	46.48	179.0	45.11	168.0	43.92	163.0	42.22	157.2	40.73	146.2	38.92
	5.0	4.1	189.8	44.38	179.0	43.08	168.0	41.89	163.0	40.19	157.2	38.84	146.2	37.09
	7.0	6.0	189.8	42.29	179.0	41.07	168.0	39.85	163.0	38.19	157.2	36.94	146.2	35.27
	9.0	7.9	189.8	39.72	179.0	38.56	168.0	37.42	163.0	35.86	157.2	34.69	146.2	33.11
	11.0	9.8	189.8	36.86	179.0	35.78	168.0	34.72	163.0	33.29	157.2	32.18	146.2	30.73
	13.0	11.8	189.8	34.40	179.0	33.40	168.0	32.42	163.0	31.07	157.2	30.04	146.2	28.69
15.0	13.7	189.8	32.39	179.0	31.44	168.0	30.51	163.0	29.24	157.2	28.29	146.2	27.02	



# 7. Capacity Tables

Heating Capacity (66HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	124.9	63.34	124.9	63.70	124.1	64.44	124.1	65.57	124.1	62.44	120.9	59.55
	-21.8	-22	144.0	64.44	144.0	64.83	143.1	65.57	138.2	62.44	134.0	59.55	125.1	56.73
	-19.8	-20	156.6	65.19	152.0	65.57	143.1	63.38	138.2	60.39	134.0	57.61	125.1	54.85
	-18.8	-19	159.8	65.57	152.0	64.43	143.1	62.28	138.2	59.34	134.0	56.64	125.1	53.93
	-16.7	-17	161.1	63.22	152.0	62.06	143.1	60.01	138.2	57.18	134.0	54.60	125.1	51.96
	-13.7	-15	161.1	59.89	152.0	58.68	143.1	56.74	138.2	54.05	134.0	51.69	125.1	49.14
	-11.8	-13	161.1	57.75	152.0	56.54	143.1	54.66	138.2	52.08	134.0	49.85	125.1	47.36
	-9.8	-11	161.1	55.53	152.0	54.28	143.1	52.47	138.2	50.03	134.0	47.91	125.1	45.48
	-9.5	-10	161.1	55.21	152.0	53.95	143.1	52.15	138.2	49.71	134.0	47.61	125.1	45.20
	-8.5	-9.1	161.1	54.10	152.0	52.82	143.1	51.07	138.2	48.68	134.0	46.64	125.1	44.26
	-7.0	-7.6	161.1	52.42	152.0	51.14	143.1	49.42	138.2	47.12	134.0	45.21	125.1	42.86
	-5.0	-5.6	161.1	50.18	152.0	48.87	143.1	47.24	138.2	45.04	134.0	43.27	125.1	40.98
	-3.0	-3.7	161.1	47.96	152.0	46.62	143.1	45.07	138.2	42.97	134.0	41.33	125.1	39.12
	0.0	-0.7	161.1	44.63	152.0	43.24	143.1	41.78	138.2	39.86	134.0	38.42	125.1	36.29
	3.0	2.2	161.1	41.28	152.0	39.85	143.1	38.51	138.2	36.76	134.0	35.51	125.1	33.49
	5.0	4.1	161.1	39.06	152.0	37.60	143.1	36.35	138.2	34.68	134.0	33.57	125.1	31.61
	7.0	6.0	161.1	36.83	152.0	35.35	143.1	34.16	138.2	32.61	134.0	31.63	125.1	29.74
	9.0	7.9	161.1	33.26	152.0	31.92	143.1	30.85	138.2	29.45	134.0	28.56	125.1	26.86
	11.0	9.8	161.1	30.96	152.0	29.72	143.1	28.72	138.2	27.42	134.0	26.60	125.1	25.01
	13.0	11.8	161.1	28.98	152.0	27.81	143.1	26.86	138.2	25.67	134.0	24.88	125.1	23.39
15.0	13.7	161.1	27.31	152.0	26.22	143.1	25.33	138.2	24.19	134.0	23.45	125.1	22.05	
60	-24.8	-25	122.7	62.60	122.7	63.34	121.9	64.44	118.5	61.12	114.4	58.00	107.2	55.06
	-21.8	-22	131.9	63.70	130.7	64.44	122.7	61.12	118.5	58.00	114.4	55.06	107.2	52.24
	-19.8	-20	138.2	64.44	130.7	62.10	122.7	58.91	118.5	55.92	114.4	53.10	107.2	50.33
	-18.8	-19	138.2	63.26	130.7	60.93	122.7	57.78	118.5	54.87	114.4	52.13	107.2	49.39
	-16.7	-17	138.2	60.77	130.7	58.45	122.7	55.46	118.5	52.69	114.4	50.08	107.2	47.42
	-13.7	-15	138.2	57.22	130.7	54.94	122.7	52.14	118.5	49.56	114.4	47.14	107.2	44.57
	-11.8	-13	138.2	54.96	130.7	52.70	122.7	50.04	118.5	47.59	114.4	45.28	107.2	42.77
	-9.8	-11	138.2	52.58	130.7	50.35	122.7	47.80	118.5	45.52	114.4	43.32	107.2	40.88
	-9.5	-10	138.2	52.23	130.7	50.00	122.7	47.48	118.5	45.20	114.4	43.03	107.2	40.61
	-8.5	-9.1	138.2	51.04	130.7	48.81	122.7	46.37	118.5	44.17	114.4	42.05	107.2	39.65
	-7.0	-7.6	138.2	49.28	130.7	47.06	122.7	44.70	118.5	42.61	114.4	40.60	107.2	38.24
	-5.0	-5.6	138.2	46.90	130.7	44.71	122.7	42.49	118.5	40.53	114.4	38.63	107.2	36.36
	-3.0	-3.7	138.2	44.52	130.7	42.36	122.7	40.27	118.5	38.43	114.4	36.67	107.2	34.45
	0.0	-0.7	138.2	40.96	130.7	38.83	122.7	36.93	118.5	35.33	114.4	33.73	107.2	31.63
	3.0	2.2	138.2	37.41	130.7	35.29	122.7	33.61	118.5	32.20	114.4	30.82	107.2	28.80
	5.0	4.1	138.2	35.04	130.7	32.94	122.7	31.40	118.5	30.12	114.4	28.85	107.2	26.89
	7.0	6.0	138.2	32.66	130.7	30.59	122.7	29.17	118.5	28.03	114.4	26.89	107.2	25.01
	9.0	7.9	138.2	29.14	130.7	27.31	122.7	26.04	118.5	25.01	114.4	24.00	107.2	22.31
	11.0	9.8	138.2	27.21	130.7	25.49	122.7	24.30	118.5	23.36	114.4	22.41	107.2	20.83
	13.0	11.8	138.2	25.49	130.7	23.87	122.7	22.76	118.5	21.88	114.4	20.99	107.2	19.53
15.0	13.7	138.2	24.08	130.7	22.57	122.7	21.52	118.5	20.67	114.4	19.85	107.2	18.45	
50	-24.8	-25	115.2	54.61	108.6	55.73	102.2	52.80	98.9	50.06	95.6	47.47	89.0	45.06
	-21.8	-22	115.2	55.73	108.6	52.80	102.2	50.06	98.9	47.47	95.6	45.06	89.0	42.72
	-19.8	-20	115.2	53.69	108.6	50.84	102.2	48.23	98.9	45.73	95.6	43.44	89.0	41.19
	-18.8	-19	115.2	52.67	108.6	49.87	102.2	47.31	98.9	44.87	95.6	42.64	89.0	40.41
	-16.7	-17	115.2	50.53	108.6	47.82	102.2	45.40	98.9	43.06	95.6	40.94	89.0	38.77
	-13.7	-15	115.2	47.46	108.6	44.89	102.2	42.66	98.9	40.46	95.6	38.53	89.0	36.46
	-11.8	-13	115.2	45.52	108.6	43.03	102.2	40.93	98.9	38.82	95.6	37.00	89.0	34.98
	-9.8	-11	115.2	43.48	108.6	41.09	102.2	39.10	98.9	37.10	95.6	35.40	89.0	33.43
	-9.5	-10	115.2	43.18	108.6	40.79	102.2	38.83	98.9	36.83	95.6	35.16	89.0	33.19
	-8.5	-9.1	115.2	42.15	108.6	39.80	102.2	37.92	98.9	35.97	95.6	34.36	89.0	32.41
	-7.0	-7.6	115.2	40.64	108.6	38.34	102.2	36.55	98.9	34.68	95.6	33.15	89.0	31.25
	-5.0	-5.6	115.2	38.59	108.6	36.40	102.2	34.72	98.9	32.95	95.6	31.53	89.0	29.70
	-3.0	-3.7	115.2	36.55	108.6	34.44	102.2	32.89	98.9	31.21	95.6	29.92	89.0	28.16
	0.0	-0.7	115.2	33.50	108.6	31.50	102.2	30.15	98.9	28.62	95.6	27.51	89.0	25.83
	3.0	2.2	115.2	30.43	108.6	28.57	102.2	27.42	98.9	26.04	95.6	25.09	89.0	23.52
	5.0	4.1	115.2	28.38	108.6	26.63	102.2	25.59	98.9	24.30	95.6	23.50	89.0	21.96
	7.0	6.0	115.2	26.36	108.6	24.67	102.2	23.76	98.9	22.57	95.6	21.88	89.0	20.40
	9.0	7.9	115.2	23.79	108.6	22.28	102.2	21.46	98.9	20.38	95.6	19.77	89.0	18.42
	11.0	9.8	115.2	22.26	108.6	20.85	102.2	20.08	98.9	19.08	95.6	18.49	89.0	17.25
	13.0	11.8	115.2	20.91	108.6	19.58	102.2	18.84	98.9	17.91	95.6	17.36	89.0	16.19
15.0	13.7	115.2	19.77	108.6	18.52	102.2	17.84	98.9	16.94	95.6	16.43	89.0	15.32	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN680BTE5

Heating Capacity (68HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	130.3	76.68	130.3	77.19	129.4	77.61	129.4	78.29	129.4	78.95	127.1	79.96
	-21.8	-22	160.0	77.68	160.0	78.20	158.9	78.64	158.9	79.32	158.9	79.96	155.8	80.99
	-19.8	-20	169.5	78.36	169.5	78.88	168.3	79.32	168.3	80.00	168.3	80.64	165.2	81.64
	-18.8	-19	173.3	78.71	173.3	79.21	172.2	79.65	172.2	80.33	172.2	80.99	168.8	81.99
	-16.7	-17	181.2	79.42	181.2	79.93	180.1	80.36	180.1	81.04	180.1	81.69	176.7	82.70
	-13.7	-15	192.5	80.43	192.5	80.94	191.4	81.38	191.4	82.06	191.4	82.70	187.7	79.70
	-11.8	-13	198.8	81.08	198.8	81.59	197.6	82.02	197.6	82.70	197.6	80.69	194.7	77.79
	-9.8	-11	205.3	81.76	205.3	82.25	204.2	82.70	204.2	80.58	204.2	78.57	202.0	75.78
	-9.5	-10	206.5	81.85	206.5	82.37	205.3	82.38	205.3	80.24	205.1	78.26	203.1	75.50
	-8.5	-9.1	210.5	82.20	210.5	82.70	209.3	81.29	209.3	79.19	208.4	77.19	206.8	74.48
	-7.0	-7.6	216.5	82.70	216.5	81.14	215.1	79.68	215.1	77.59	215.1	75.61	212.2	72.99
	-5.0	-5.6	224.4	80.69	224.4	79.03	223.0	77.50	223.0	75.44	223.0	73.49	219.5	70.98
	-3.0	-3.7	232.4	78.69	232.4	76.94	231.0	75.35	231.0	73.32	231.0	71.38	226.8	68.98
	0.0	-0.7	244.3	75.69	244.3	73.80	242.7	72.11	242.7	70.11	242.7	68.19	238.0	65.96
	3.0	2.2	256.3	72.68	256.3	70.65	254.6	68.86	254.6	66.92	254.6	65.03	238.9	62.97
	5.0	4.1	264.1	70.67	264.1	68.56	262.6	66.69	262.6	64.78	256.6	62.91	238.9	60.96
	7.0	6.0	272.0	68.67	272.0	66.46	270.3	64.52	266.0	62.65	256.6	60.79	238.9	58.96
9.0	7.9	273.4	67.03	273.4	64.86	272.6	62.99	266.0	61.16	256.6	59.33	238.9	57.55	
11.0	9.8	273.4	65.99	273.4	63.87	272.6	62.01	266.0	60.20	256.6	58.40	238.9	56.65	
13.0	11.8	273.4	64.86	273.4	62.77	272.6	60.94	266.0	59.16	256.6	57.41	238.9	55.68	
15.0	13.7	273.4	63.62	273.4	61.56	272.6	59.78	266.0	58.03	256.6	56.31	238.9	54.62	
120	-24.8	-25	129.4	77.19	129.4	77.61	128.5	78.29	128.5	78.95	128.5	79.96	126.2	80.66
	-21.8	-22	158.9	78.20	158.9	78.64	157.8	79.32	157.8	79.96	157.8	80.99	154.9	81.69
	-19.8	-20	168.3	78.88	168.3	79.32	167.2	80.00	167.2	80.64	167.2	81.64	164.0	82.37
	-18.8	-19	172.0	79.21	172.0	79.65	170.9	80.33	170.9	80.99	170.9	81.99	167.7	82.70
	-16.7	-17	179.9	79.93	179.9	80.36	178.7	81.04	178.7	81.69	178.7	82.70	175.3	80.77
	-13.7	-15	191.1	80.94	191.1	81.38	190.0	82.06	190.0	82.70	190.0	79.82	186.3	78.01
	-11.8	-13	197.4	81.59	197.4	82.02	196.2	82.70	196.2	80.67	196.2	78.01	193.3	76.26
	-9.8	-11	203.9	82.25	203.9	82.70	202.7	80.47	202.7	78.54	202.7	76.09	200.6	74.42
	-9.5	-10	205.1	82.37	205.1	82.36	203.9	80.15	203.9	78.21	203.9	75.81	201.7	74.14
	-8.5	-9.1	209.0	82.70	209.0	81.17	207.7	79.03	207.7	77.14	207.7	74.85	205.2	73.21
	-7.0	-7.6	215.0	80.97	215.0	79.42	213.6	77.36	213.6	75.55	213.6	73.41	210.7	71.83
	-5.0	-5.6	223.0	78.66	223.0	77.08	221.5	75.13	221.5	73.41	221.5	71.49	218.1	70.00
	-3.0	-3.7	230.7	76.34	230.7	74.74	229.3	72.90	229.3	71.27	229.3	69.60	224.4	68.16
	0.0	-0.7	242.6	72.87	242.6	71.21	241.0	69.57	241.0	68.07	241.0	66.72	224.4	65.39
	3.0	2.2	254.4	69.40	254.4	67.71	252.9	66.22	249.2	64.86	241.5	63.84	224.4	62.63
	5.0	4.1	262.3	67.09	262.3	65.36	257.8	63.99	249.2	62.72	241.5	61.93	224.4	60.79
	7.0	6.0	270.3	64.77	268.5	63.00	257.8	61.76	249.2	60.59	241.5	60.01	224.4	58.94
9.0	7.9	271.4	63.05	268.5	61.34	257.8	60.14	249.2	58.99	241.5	58.43	224.4	57.38	
11.0	9.8	271.4	61.90	268.5	60.23	257.8	59.04	249.2	57.91	241.5	57.35	224.4	56.33	
13.0	11.8	271.4	60.65	268.5	58.99	257.8	57.83	249.2	56.73	241.5	56.20	224.4	55.20	
15.0	13.7	271.4	59.30	268.5	57.69	257.8	56.56	249.2	55.49	241.5	54.95	224.4	53.97	
110	-24.8	-25	128.8	77.61	128.8	78.29	127.9	78.95	127.9	79.96	127.9	80.66	125.4	81.01
	-21.8	-22	158.0	78.64	158.0	79.32	156.9	79.96	156.9	80.99	156.9	81.69	154.0	82.02
	-19.8	-20	167.4	79.32	167.4	80.00	166.3	80.64	166.3	81.64	166.3	82.37	163.1	82.70
	-18.8	-19	171.1	79.65	171.1	80.33	170.0	80.99	170.0	81.99	170.0	82.70	166.8	81.68
	-16.7	-17	179.0	80.36	179.0	81.04	177.8	81.69	177.8	82.70	177.8	80.60	174.4	79.51
	-13.7	-15	190.0	81.38	190.0	82.06	188.8	82.70	188.8	79.53	188.8	77.59	188.8	76.43
	-11.8	-13	196.2	82.02	196.2	82.70	195.1	80.47	195.1	77.50	195.1	75.69	195.1	74.46
	-9.8	-11	202.8	82.70	202.8	80.18	201.6	78.10	201.6	75.39	201.6	73.69	200.6	72.40
	-9.5	-10	203.9	82.30	203.9	79.79	202.8	77.76	202.8	75.07	202.8	73.38	201.9	72.09
	-8.5	-9.1	207.9	80.94	207.9	78.54	206.7	76.57	206.7	74.01	206.7	72.39	201.9	71.07
	-7.0	-7.6	213.9	78.89	213.9	76.63	212.5	74.80	212.5	72.42	212.5	70.87	201.9	69.52
	-5.0	-5.6	221.6	76.18	221.6	74.12	220.2	72.45	220.2	70.31	216.2	68.87	201.9	67.46
	-3.0	-3.7	229.5	73.46	229.5	71.58	228.1	70.08	223.8	68.19	216.2	66.86	201.9	65.39
	0.0	-0.7	241.2	69.37	241.2	67.80	231.3	66.55	223.8	65.00	216.2	63.87	201.9	62.29
	3.0	2.2	252.9	65.29	246.6	64.01	231.3	63.02	223.8	61.81	216.2	60.85	201.9	59.21
	5.0	4.1	260.9	62.57	246.6	61.47	231.3	60.65	223.8	59.70	216.2	58.85	201.9	57.15
	7.0	6.0	260.9	59.86	246.6	58.96	231.3	58.29	223.8	57.58	216.2	56.84	201.9	55.09
9.0	7.9	260.9	58.00	246.6	57.13	231.3	56.50	223.8	55.80	216.2	55.09	201.9	53.40	
11.0	9.8	260.9	56.67	246.6	55.80	231.3	55.18	223.8	54.50	216.2	53.82	201.9	52.16	
13.0	11.8	260.9	55.21	246.6	54.39	231.3	53.77	223.8	53.12	216.2	52.44	201.9	50.83	
15.0	13.7	260.9	53.68	246.6	52.87	231.3	52.27	223.8	51.65	216.2	50.98	201.9	49.42	

# 7. Capacity Tables

Heating Capacity (68HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	128.2	85.79	128.2	85.37	127.4	79.35	127.4	84.38	127.4	83.94	124.8	83.74
	-21.8	-22	157.2	85.18	157.2	84.76	156.3	81.85	156.3	83.75	156.3	84.45	153.2	83.11
	-19.8	-20	166.6	84.76	166.6	84.35	165.7	83.42	165.7	83.34	165.7	83.30	162.5	82.70
	-18.8	-19	170.3	84.55	169.4	84.15	169.4	83.75	169.4	83.14	169.4	82.70	166.0	81.43
	-16.7	-17	177.0	84.12	177.0	83.71	177.0	84.45	176.1	82.70	176.1	80.07	172.7	78.75
	-13.7	-15	189.1	83.51	189.1	83.10	188.0	82.70	188.0	78.91	188.0	76.34	184.5	74.93
	-11.8	-13	195.3	83.11	194.2	82.70	194.2	80.18	194.2	76.51	194.2	73.97	184.5	72.51
	-9.8	-11	201.7	82.70	201.7	79.87	200.8	77.51	200.8	73.98	198.0	71.46	184.5	69.97
	-9.5	-10	202.8	82.27	202.8	79.45	201.9	77.11	201.9	73.61	198.0	71.09	184.5	69.57
	-8.5	-9.1	206.8	80.78	206.8	78.04	205.9	75.78	204.8	72.34	198.0	69.83	184.5	68.30
	-7.0	-7.6	216.2	78.58	215.3	75.92	211.6	73.78	204.8	70.45	198.0	67.96	184.5	66.39
	-5.0	-5.6	225.6	75.64	223.3	73.10	211.6	71.12	204.8	67.93	198.0	65.48	184.5	63.84
	-3.0	-3.7	232.1	72.68	225.2	70.25	211.6	68.47	204.8	65.40	198.0	62.97	184.5	61.30
	0.0	-0.7	238.7	68.27	225.2	66.02	211.6	64.46	204.8	61.61	198.0	59.22	184.5	57.47
	3.0	2.2	238.7	63.84	225.2	61.78	211.6	60.48	204.8	57.81	198.0	55.49	184.5	53.65
	5.0	4.1	238.7	60.88	225.2	58.96	211.6	57.81	204.8	55.29	198.0	52.98	184.5	51.09
	7.0	6.0	238.7	57.94	225.2	56.13	211.6	55.15	204.8	52.75	198.0	50.49	184.5	48.55
	9.0	7.9	238.7	55.91	225.2	54.16	211.6	53.23	204.8	50.92	198.0	48.71	184.5	46.85
	11.0	9.8	238.7	54.36	225.2	52.66	211.6	51.74	204.8	49.50	198.0	47.36	184.5	45.55
	13.0	11.8	238.7	52.70	225.2	51.05	211.6	50.16	204.8	47.98	198.0	45.92	184.5	44.17
15.0	13.7	238.7	50.94	225.2	49.34	211.6	48.49	204.8	46.38	198.0	44.37	184.5	42.68	
90	-24.8	-25	127.7	76.32	127.7	77.33	126.8	78.05	126.8	78.38	126.8	79.06	124.5	80.07
	-21.8	-22	156.6	77.33	156.6	78.36	155.7	79.06	155.7	79.39	155.7	80.07	152.6	76.70
	-19.8	-20	166.0	78.01	166.0	79.02	164.9	79.74	164.9	80.07	164.9	80.77	161.8	74.43
	-18.8	-19	170.3	78.36	169.4	79.37	168.6	80.07	168.6	78.88	168.6	76.61	165.4	73.30
	-16.7	-17	177.0	79.06	177.0	80.07	176.4	77.63	176.4	76.39	176.4	74.18	168.6	70.92
	-13.7	-15	189.1	80.07	189.1	76.44	187.4	74.12	187.4	72.82	181.7	70.72	168.6	67.53
	-11.8	-13	195.3	77.58	194.2	74.12	193.4	71.91	187.7	70.58	181.7	68.52	168.6	65.38
	-9.8	-11	201.7	74.97	201.7	71.71	193.6	69.56	187.7	68.20	181.7	66.22	168.6	63.14
	-9.5	-10	202.8	74.57	202.8	71.34	193.6	69.22	187.7	67.84	181.7	65.88	168.6	62.80
	-8.5	-9.1	206.8	73.27	205.3	70.13	193.6	68.06	187.7	66.65	181.7	64.72	168.6	61.66
	-7.0	-7.6	216.2	71.31	205.6	68.31	193.6	66.30	187.7	64.86	181.7	62.99	168.6	59.97
	-5.0	-5.6	218.5	68.68	205.6	65.88	193.6	63.95	187.7	62.51	181.7	60.67	168.6	57.70
	-3.0	-3.7	218.5	66.07	205.6	63.46	193.6	61.63	187.7	60.13	181.7	58.35	168.6	55.44
	0.0	-0.7	218.5	62.13	205.6	59.81	193.6	58.12	187.7	56.56	181.7	54.89	168.6	52.04
	3.0	2.2	218.5	58.19	205.6	56.18	193.6	54.63	187.7	52.99	181.7	51.44	168.6	48.67
	5.0	4.1	218.5	55.58	205.6	53.75	193.6	52.28	187.7	50.62	181.7	49.12	168.6	46.41
	7.0	6.0	218.5	52.95	205.6	51.32	193.6	49.95	187.7	48.24	181.7	46.80	168.6	44.14
	9.0	7.9	218.5	50.48	205.6	48.93	193.6	47.61	187.7	45.99	181.7	44.62	168.6	42.07
	11.0	9.8	218.5	47.99	205.6	46.52	193.6	45.28	187.7	43.73	181.7	42.43	168.6	40.01
	13.0	11.8	218.5	45.53	205.6	44.12	193.6	42.93	187.7	41.47	181.7	40.25	168.6	37.94
15.0	13.7	218.5	43.06	205.6	41.73	193.6	40.61	187.7	39.22	181.7	38.05	168.6	35.87	
80	-24.8	-25	127.1	67.25	127.1	68.26	126.3	68.98	126.3	69.31	126.3	71.00	123.9	68.02
	-21.8	-22	154.9	68.26	154.9	69.29	154.9	69.99	154.9	71.00	154.9	68.02	150.7	65.16
	-19.8	-20	164.3	68.94	164.3	69.97	164.3	71.00	164.3	68.90	162.0	66.04	150.7	63.24
	-18.8	-19	168.0	69.29	168.0	71.00	168.0	69.95	167.8	67.85	162.0	65.05	150.7	62.28
	-16.7	-17	173.2	71.00	173.2	68.79	173.2	67.71	168.0	65.65	162.0	62.96	150.7	60.27
	-13.7	-15	181.1	67.74	177.5	65.62	173.2	64.51	168.0	62.50	162.0	59.98	150.7	57.41
	-11.8	-13	185.5	65.64	180.1	63.63	173.2	62.50	168.0	60.49	162.0	58.09	150.7	55.60
	-9.8	-11	190.4	63.46	182.6	61.51	173.2	60.37	168.0	58.40	162.0	56.10	150.7	53.67
	-9.5	-10	191.8	63.15	183.7	61.20	173.2	60.06	168.0	58.08	162.0	55.79	150.7	53.39
	-8.5	-9.1	193.7	62.04	184.5	60.15	173.2	58.99	168.0	57.03	162.0	54.80	150.7	52.43
	-7.0	-7.6	195.7	60.40	184.5	58.56	173.2	57.40	168.0	55.45	162.0	53.30	150.7	51.01
	-5.0	-5.6	195.7	58.22	184.5	56.44	173.2	55.25	168.0	53.35	162.0	51.32	150.7	49.09
	-3.0	-3.7	195.7	56.04	184.5	54.34	173.2	53.13	168.0	51.24	162.0	49.34	150.7	47.19
	0.0	-0.7	195.7	52.75	184.5	51.17	173.2	49.95	168.0	48.09	162.0	46.36	150.7	44.30
	3.0	2.2	195.7	49.47	184.5	48.02	173.2	46.75	168.0	44.94	162.0	43.37	150.7	41.44
	5.0	4.1	195.7	47.29	184.5	45.90	173.2	44.63	168.0	42.83	162.0	41.38	150.7	39.52
	7.0	6.0	195.7	45.10	184.5	43.80	173.2	42.50	168.0	40.73	162.0	39.40	150.7	37.62
	9.0	7.9	195.7	42.36	184.5	41.12	173.2	39.91	168.0	38.24	162.0	37.00	150.7	35.31
	11.0	9.8	195.7	39.31	184.5	38.16	173.2	37.03	168.0	35.50	162.0	34.32	150.7	32.77
	13.0	11.8	195.7	36.69	184.5	35.62	173.2	34.57	168.0	33.14	162.0	32.04	150.7	30.60
15.0	13.7	195.7	34.54	184.5	33.53	173.2	32.54	168.0	31.19	162.0	30.17	150.7	28.81	

# 7. Capacity Tables

Heating Capacity (68HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	127.1	67.32	127.1	67.65	126.3	68.33	126.3	69.35	126.3	66.08	123.9	63.04
	-21.8	-22	148.4	68.33	148.4	68.68	147.5	69.35	142.4	66.08	138.1	63.04	129.0	60.08
	-19.8	-20	162.6	69.00	156.7	69.35	147.5	67.06	142.4	63.92	138.1	61.01	129.0	58.10
	-18.8	-19	166.0	69.35	156.7	68.17	147.5	65.91	142.4	62.82	138.1	59.99	129.0	57.13
	-16.7	-17	166.0	66.90	156.7	65.68	147.5	63.52	142.4	60.55	138.1	57.84	129.0	55.06
	-13.7	-15	166.0	63.41	156.7	62.14	147.5	60.10	142.4	57.28	138.1	54.79	129.0	52.10
	-11.8	-13	166.0	61.18	156.7	59.90	147.5	57.92	142.4	55.21	138.1	52.86	129.0	50.23
	-9.8	-11	166.0	58.85	156.7	57.53	147.5	55.63	142.4	53.05	138.1	50.82	129.0	48.25
	-9.5	-10	166.0	58.51	156.7	57.18	147.5	55.29	142.4	52.72	138.1	50.51	129.0	47.97
	-8.5	-9.1	166.0	57.35	156.7	56.00	147.5	54.15	142.4	51.64	138.1	49.49	129.0	46.98
	-7.0	-7.6	166.0	55.60	156.7	54.24	147.5	52.43	142.4	50.00	138.1	47.99	129.0	45.50
	-5.0	-5.6	166.0	53.25	156.7	51.86	147.5	50.14	142.4	47.82	138.1	45.95	129.0	43.53
	-3.0	-3.7	166.0	50.93	156.7	49.51	147.5	47.87	142.4	45.64	138.1	43.91	129.0	41.57
	0.0	-0.7	166.0	47.44	156.7	45.97	147.5	44.42	142.4	42.39	138.1	40.86	129.0	38.60
	3.0	2.2	166.0	43.93	156.7	42.41	147.5	41.00	142.4	39.13	138.1	37.80	129.0	35.66
	5.0	4.1	166.0	41.61	156.7	40.06	147.5	38.73	142.4	36.95	138.1	35.77	129.0	33.68
	7.0	6.0	166.0	39.28	156.7	37.70	147.5	36.44	142.4	34.78	138.1	33.73	129.0	31.72
	9.0	7.9	166.0	35.47	156.7	34.04	147.5	32.91	142.4	31.41	138.1	30.46	129.0	28.65
	11.0	9.8	166.0	33.02	156.7	31.70	147.5	30.63	142.4	29.24	138.1	28.37	129.0	26.67
	13.0	11.8	166.0	30.90	156.7	29.66	147.5	28.65	142.4	27.37	138.1	26.53	129.0	24.95
15.0	13.7	166.0	29.13	156.7	27.97	147.5	27.01	142.4	25.80	138.1	25.01	129.0	23.51	
60	-24.8	-25	126.5	66.56	126.5	67.24	125.6	68.25	122.2	64.76	117.9	61.46	110.5	58.37
	-21.8	-22	136.0	67.57	134.7	68.25	126.4	64.76	122.2	61.46	117.9	58.37	110.5	55.39
	-19.8	-20	142.4	68.25	134.7	65.78	126.4	62.42	122.2	59.28	117.9	56.30	110.5	53.38
	-18.8	-19	142.4	67.00	134.7	64.55	126.4	61.24	122.2	58.17	117.9	55.28	110.5	52.38
	-16.7	-17	142.4	64.39	134.7	61.94	126.4	58.79	122.2	55.87	117.9	53.12	110.5	50.31
	-13.7	-15	142.4	60.66	134.7	58.25	126.4	55.30	122.2	52.58	117.9	50.02	110.5	47.30
	-11.8	-13	142.4	58.28	134.7	55.89	126.4	53.08	122.2	50.50	117.9	48.06	110.5	45.40
	-9.8	-11	142.4	55.78	134.7	53.42	126.4	50.73	122.2	48.32	117.9	45.99	110.5	43.42
	-9.5	-10	142.4	55.41	134.7	53.05	126.4	50.39	122.2	47.98	117.9	45.68	110.5	43.13
	-8.5	-9.1	142.4	54.16	134.7	51.80	126.4	49.22	122.2	46.89	117.9	44.66	110.5	42.11
	-7.0	-7.6	142.4	52.30	134.7	49.95	126.4	47.46	122.2	45.25	117.9	43.12	110.5	40.63
	-5.0	-5.6	142.4	49.80	134.7	47.48	126.4	45.13	122.2	43.06	117.9	41.05	110.5	38.64
	-3.0	-3.7	142.4	47.31	134.7	45.01	126.4	42.80	122.2	40.85	117.9	38.98	110.5	36.63
	0.0	-0.7	142.4	43.56	134.7	41.29	126.4	39.28	122.2	37.58	117.9	35.89	110.5	33.65
	3.0	2.2	142.4	39.83	134.7	37.57	126.4	35.79	122.2	34.29	117.9	32.82	110.5	30.67
	5.0	4.1	142.4	37.33	134.7	35.10	126.4	33.46	122.2	32.10	117.9	30.75	110.5	28.66
	7.0	6.0	142.4	34.83	134.7	32.63	126.4	31.11	122.2	29.89	117.9	28.68	110.5	26.67
	9.0	7.9	142.4	31.08	134.7	29.12	126.4	27.77	122.2	26.67	117.9	25.60	110.5	23.79
	11.0	9.8	142.4	29.02	134.7	27.18	126.4	25.91	122.2	24.92	117.9	23.90	110.5	22.21
	13.0	11.8	142.4	27.18	134.7	25.46	126.4	24.28	122.2	23.34	117.9	22.38	110.5	20.83
15.0	13.7	142.4	25.69	134.7	24.07	126.4	22.95	122.2	22.05	117.9	21.16	110.5	19.67	
50	-24.8	-25	118.8	57.93	112.0	58.95	105.4	55.87	102.0	52.99	98.5	50.27	91.7	47.72
	-21.8	-22	118.8	58.95	112.0	55.87	105.4	52.99	102.0	50.27	98.5	47.72	91.7	45.27
	-19.8	-20	118.8	56.81	112.0	53.81	105.4	51.06	102.0	48.44	98.5	46.03	91.7	43.65
	-18.8	-19	118.8	55.73	112.0	52.79	105.4	50.10	102.0	47.53	98.5	45.18	91.7	42.83
	-16.7	-17	118.8	53.49	112.0	50.64	105.4	48.09	102.0	45.63	98.5	43.40	91.7	41.11
	-13.7	-15	118.8	50.27	112.0	47.55	105.4	45.21	102.0	42.89	98.5	40.85	91.7	38.67
	-11.8	-13	118.8	48.23	112.0	45.60	105.4	43.39	102.0	41.16	98.5	39.24	91.7	37.12
	-9.8	-11	118.8	46.09	112.0	43.56	105.4	41.47	102.0	39.35	98.5	37.57	91.7	35.48
	-9.5	-10	118.8	45.77	112.0	43.25	105.4	41.19	102.0	39.07	98.5	37.31	91.7	35.23
	-8.5	-9.1	118.8	44.70	112.0	42.21	105.4	40.23	102.0	38.17	98.5	36.46	91.7	34.41
	-7.0	-7.6	118.8	43.11	112.0	40.68	105.4	38.78	102.0	36.81	98.5	35.19	91.7	33.19
	-5.0	-5.6	118.8	40.96	112.0	38.64	105.4	36.86	102.0	34.99	98.5	33.50	91.7	31.55
	-3.0	-3.7	118.8	38.81	112.0	36.58	105.4	34.94	102.0	33.16	98.5	31.80	91.7	29.93
	0.0	-0.7	118.8	35.61	112.0	33.49	105.4	32.05	102.0	30.44	98.5	29.26	91.7	27.48
	3.0	2.2	118.8	32.39	112.0	30.41	105.4	29.19	102.0	27.72	98.5	26.71	91.7	25.04
	5.0	4.1	118.8	30.24	112.0	28.37	105.4	27.27	102.0	25.89	98.5	25.03	91.7	23.40
	7.0	6.0	118.8	28.11	112.0	26.31	105.4	25.35	102.0	24.08	98.5	23.34	91.7	21.76
	9.0	7.9	118.8	25.37	112.0	23.76	105.4	22.89	102.0	21.74	98.5	21.08	91.7	19.65
	11.0	9.8	118.8	23.74	112.0	22.24	105.4	21.42	102.0	20.35	98.5	19.72	91.7	18.40
	13.0	11.8	118.8	22.30	112.0	20.88	105.4	20.10	102.0	19.11	98.5	18.51	91.7	17.27
15.0	13.7	118.8	21.09	112.0	19.76	105.4	19.02	102.0	18.07	98.5	17.52	91.7	16.34	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN700BTE5

Heating Capacity (70HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	134.2	79.70	134.2	80.23	133.4	80.66	133.4	81.36	133.4	82.03	130.9	83.07
	-21.8	-22	164.8	80.74	164.8	81.26	163.7	81.72	163.7	82.42	163.7	83.07	160.5	84.12
	-19.8	-20	174.5	81.43	174.5	81.96	173.3	82.42	173.3	83.11	173.3	83.76	170.1	84.80
	-18.8	-19	178.5	81.79	178.5	82.30	177.3	82.75	177.3	83.45	177.3	84.12	173.9	85.16
	-16.7	-17	186.6	82.51	186.6	83.04	185.4	83.48	185.4	84.17	185.4	84.84	181.9	85.88
	-13.7	-15	198.2	83.55	198.2	84.08	197.0	84.53	197.0	85.23	197.0	85.88	193.2	82.77
	-11.8	-13	204.7	84.22	204.7	84.75	203.5	85.18	203.5	85.88	203.5	83.79	200.5	80.78
	-9.8	-11	211.5	84.92	211.5	85.42	210.2	85.88	210.2	83.67	210.2	81.60	208.0	78.70
	-9.5	-10	212.7	85.01	212.7	85.54	211.4	85.55	211.4	83.33	211.2	81.27	209.2	78.40
	-8.5	-9.1	216.8	85.37	216.8	85.88	215.5	84.41	215.5	82.24	214.7	80.16	212.9	77.35
	-7.0	-7.6	222.9	85.88	222.9	84.26	221.5	82.74	221.5	80.57	221.5	78.52	218.5	75.79
	-5.0	-5.6	231.1	83.80	231.1	82.07	229.6	80.49	229.6	78.35	229.6	76.32	226.1	73.71
	-3.0	-3.7	239.3	81.72	239.3	79.90	237.8	78.25	237.8	76.14	237.8	74.12	233.6	71.63
	0.0	-0.7	251.6	78.60	251.6	76.64	249.9	74.88	249.9	72.81	249.9	70.81	245.1	68.50
	3.0	2.2	263.9	75.47	263.9	73.36	262.2	71.51	262.2	69.49	262.2	67.53	246.0	65.39
	5.0	4.1	271.9	73.39	271.9	71.19	270.4	69.26	270.4	67.27	264.2	65.33	246.0	63.31
	7.0	6.0	280.1	71.31	280.1	69.02	278.3	67.00	273.9	65.06	264.2	63.13	246.0	61.23
	9.0	7.9	281.6	69.61	281.6	67.36	280.7	65.41	273.9	63.51	264.2	61.61	246.0	59.76
11.0	9.8	281.6	68.52	281.6	66.32	280.7	64.39	273.9	62.51	264.2	60.64	246.0	58.83	
13.0	11.8	281.6	67.35	281.6	65.18	280.7	63.28	273.9	61.43	264.2	59.61	246.0	57.82	
15.0	13.7	281.6	66.06	281.6	63.93	280.7	62.08	273.9	60.26	264.2	58.47	246.0	56.72	
120	-24.8	-25	133.3	80.23	133.3	80.66	132.5	81.36	132.5	82.03	132.5	83.07	130.0	83.79
	-21.8	-22	163.6	81.26	163.6	81.72	162.5	82.42	162.5	83.07	162.5	84.12	159.5	84.84
	-19.8	-20	173.3	81.96	173.3	82.42	172.1	83.11	172.1	83.76	172.1	84.80	168.9	85.54
	-18.8	-19	177.1	82.30	177.1	82.75	175.9	83.45	175.9	84.12	175.9	85.16	172.7	85.88
	-16.7	-17	185.2	83.04	185.2	83.48	184.0	84.17	184.0	84.84	184.0	85.88	180.5	83.88
	-13.7	-15	196.8	84.08	196.8	84.53	195.6	85.23	195.6	85.88	195.6	82.89	191.8	81.01
	-11.8	-13	203.2	84.75	203.2	85.18	202.0	85.88	202.0	83.77	202.0	81.01	199.0	79.19
	-9.8	-11	210.0	85.42	210.0	85.88	208.8	83.56	208.8	81.56	208.8	79.02	206.6	77.28
	-9.5	-10	211.2	85.54	211.2	85.52	210.0	83.23	210.0	81.22	210.0	78.72	207.7	76.99
	-8.5	-9.1	215.3	85.88	215.3	84.30	213.8	82.07	213.8	80.11	213.8	77.73	211.3	76.03
	-7.0	-7.6	221.4	84.09	221.4	82.48	220.0	80.34	220.0	78.46	220.0	76.24	217.0	74.59
	-5.0	-5.6	229.6	81.68	229.6	80.04	228.1	78.02	228.1	76.23	228.1	74.24	224.5	72.69
	-3.0	-3.7	237.6	79.28	237.6	77.61	236.1	75.71	236.1	74.01	236.1	72.27	231.1	70.78
	0.0	-0.7	249.8	75.67	249.8	73.95	248.1	72.24	248.1	70.69	248.1	69.28	231.1	67.91
	3.0	2.2	261.9	72.07	261.9	70.31	260.4	68.76	256.6	67.35	248.7	66.30	231.1	65.04
	5.0	4.1	270.1	69.66	270.1	67.88	265.5	66.45	256.6	65.13	248.7	64.31	231.1	63.13
	7.0	6.0	278.3	67.26	276.5	65.42	265.5	64.13	256.6	62.92	248.7	62.31	231.1	61.20
	9.0	7.9	279.4	65.48	276.5	63.69	265.5	62.45	256.6	61.26	248.7	60.67	231.1	59.59
11.0	9.8	279.4	64.28	276.5	62.54	265.5	61.31	256.6	60.14	248.7	59.56	231.1	58.50	
13.0	11.8	279.4	62.98	276.5	61.26	265.5	60.06	256.6	58.91	248.7	58.36	231.1	57.32	
15.0	13.7	279.4	61.58	276.5	59.91	265.5	58.73	256.6	57.62	248.7	57.07	231.1	56.04	
110	-24.8	-25	132.7	80.66	132.7	81.36	131.8	82.03	131.8	83.07	131.8	83.79	129.2	84.15
	-21.8	-22	162.7	81.72	162.7	82.42	161.6	83.07	161.6	84.12	161.6	84.84	158.6	85.18
	-19.8	-20	172.4	82.42	172.4	83.11	171.3	83.76	171.3	84.80	171.3	85.54	168.0	85.88
	-18.8	-19	176.2	82.75	176.2	83.45	175.0	84.12	175.0	85.16	175.0	85.88	171.8	84.82
	-16.7	-17	184.3	83.48	184.3	84.17	183.1	84.84	183.1	85.88	183.1	83.70	179.6	82.56
	-13.7	-15	195.6	84.53	195.6	85.23	194.5	85.88	194.5	82.59	194.5	80.57	194.5	79.37
	-11.8	-13	202.1	85.18	202.1	85.88	200.9	83.56	200.9	80.49	200.9	78.60	200.9	77.32
	-9.8	-11	208.8	85.88	208.8	83.26	207.6	81.10	207.6	78.29	207.6	76.52	206.5	75.18
	-9.5	-10	210.0	85.46	210.0	82.86	208.8	80.74	208.8	77.96	208.8	76.20	207.9	74.86
	-8.5	-9.1	214.1	84.05	214.1	81.56	212.9	79.52	212.9	76.85	212.9	75.17	207.9	73.80
	-7.0	-7.6	220.2	81.92	220.2	79.58	218.8	77.67	218.8	75.21	218.8	73.60	207.9	72.19
	-5.0	-5.6	228.2	79.10	228.2	76.96	226.7	75.23	226.7	73.01	222.6	71.52	207.9	70.05
	-3.0	-3.7	236.4	76.29	236.4	74.33	234.9	72.78	230.5	70.81	222.6	69.44	207.9	67.91
	0.0	-0.7	248.4	72.04	248.4	70.40	238.2	69.11	230.5	67.50	222.6	66.32	207.9	64.69
	3.0	2.2	260.5	67.80	253.9	66.47	238.2	65.44	230.5	64.19	222.6	63.19	207.9	61.49
	5.0	4.1	268.6	64.98	253.9	63.84	238.2	62.98	230.5	61.99	222.6	61.11	207.9	59.35
	7.0	6.0	268.6	62.16	253.9	61.23	238.2	60.53	230.5	59.79	222.6	59.03	207.9	57.21
	9.0	7.9	268.6	60.23	253.9	59.32	238.2	58.67	230.5	57.95	222.6	57.21	207.9	55.45
11.0	9.8	268.6	58.85	253.9	57.95	238.2	57.30	230.5	56.60	222.6	55.89	207.9	54.16	
13.0	11.8	268.6	57.33	253.9	56.48	238.2	55.84	230.5	55.16	222.6	54.46	207.9	52.78	
15.0	13.7	268.6	55.75	253.9	54.90	238.2	54.28	230.5	53.63	222.6	52.94	207.9	51.32	

# 7. Capacity Tables

Heating Capacity (70HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	132.1	89.13	132.1	88.70	131.2	82.43	131.2	87.65	131.2	87.18	128.6	86.98
	-21.8	-22	161.9	88.49	161.9	88.06	161.0	85.02	161.0	86.99	161.0	87.71	157.8	86.31
	-19.8	-20	171.6	88.06	171.6	87.62	170.6	86.65	170.6	86.55	170.6	86.50	167.4	85.88
	-18.8	-19	175.3	87.83	174.4	87.41	174.4	86.99	174.4	86.34	174.4	85.88	170.9	84.56
	-16.7	-17	182.3	87.38	182.3	86.95	182.3	87.71	181.3	85.88	181.3	83.15	177.8	81.78
	-13.7	-15	194.7	86.74	194.7	86.30	193.6	85.88	193.6	81.95	193.6	79.28	190.0	77.81
	-11.8	-13	201.1	86.31	200.0	85.88	200.0	83.26	200.0	79.46	200.0	76.81	190.0	75.30
	-9.8	-11	207.7	85.88	207.7	82.95	206.7	80.49	206.7	76.82	203.9	74.21	190.0	72.65
	-9.5	-10	208.8	85.43	208.8	82.51	207.9	80.07	207.9	76.44	203.9	73.83	190.0	72.25
	-8.5	-9.1	212.9	83.89	212.9	81.04	212.0	78.70	210.9	75.12	203.9	72.52	190.0	70.93
	-7.0	-7.6	222.6	81.60	221.7	78.84	217.9	76.62	210.9	73.16	203.9	70.58	190.0	68.94
	-5.0	-5.6	232.3	78.54	230.0	75.91	217.9	73.86	210.9	70.54	203.9	67.99	190.0	66.30
	-3.0	-3.7	239.0	75.47	231.9	72.95	217.9	71.10	210.9	67.91	203.9	65.39	190.0	63.66
	0.0	-0.7	245.8	70.89	231.9	68.56	217.9	66.94	210.9	63.98	203.9	61.49	190.0	59.68
	3.0	2.2	245.8	66.30	231.9	64.16	217.9	62.81	210.9	60.03	203.9	57.62	190.0	55.71
	5.0	4.1	245.8	63.22	231.9	61.22	217.9	60.03	210.9	57.42	203.9	55.01	190.0	53.05
	7.0	6.0	245.8	60.17	231.9	58.29	217.9	57.27	210.9	54.78	203.9	52.43	190.0	50.41
	9.0	7.9	245.8	58.06	231.9	56.24	217.9	55.27	210.9	52.87	203.9	50.59	190.0	48.65
	11.0	9.8	245.8	56.45	231.9	54.69	217.9	53.72	210.9	51.41	203.9	49.18	190.0	47.30
	13.0	11.8	245.8	54.72	231.9	53.02	217.9	52.08	210.9	49.83	203.9	47.68	190.0	45.87
15.0	13.7	245.8	52.90	231.9	51.23	217.9	50.35	210.9	48.16	203.9	46.08	190.0	44.32	
90	-24.8	-25	131.5	79.31	131.5	80.35	130.7	81.09	130.7	81.43	130.7	82.12	128.3	83.16
	-21.8	-22	161.3	80.35	161.3	81.40	160.4	82.12	160.4	82.46	160.4	83.16	157.2	79.65
	-19.8	-20	170.9	81.04	170.9	82.08	169.8	82.82	169.8	83.16	169.8	80.77	166.6	77.30
	-18.8	-19	175.3	81.40	174.4	82.44	173.6	83.16	173.6	81.92	173.6	79.57	170.3	76.13
	-16.7	-17	182.3	82.12	182.3	83.16	181.6	80.62	181.6	79.33	181.6	77.04	173.6	73.66
	-13.7	-15	194.7	83.16	194.7	79.39	192.9	76.98	192.9	75.63	187.1	73.45	173.6	70.13
	-11.8	-13	201.1	80.57	200.0	76.98	199.2	74.68	193.2	73.30	187.1	71.16	173.6	67.90
	-9.8	-11	207.7	77.86	207.7	74.47	199.4	72.24	193.2	70.83	187.1	68.77	173.6	65.57
	-9.5	-10	208.8	77.45	208.8	74.09	199.4	71.88	193.2	70.45	187.1	68.42	173.6	65.21
	-8.5	-9.1	212.9	76.09	211.5	72.83	199.4	70.68	193.2	69.21	187.1	67.21	173.6	64.04
	-7.0	-7.6	222.6	74.05	211.8	70.94	199.4	68.85	193.2	67.36	187.1	65.42	173.6	62.28
	-5.0	-5.6	225.0	71.32	211.8	68.41	199.4	66.42	193.2	64.91	187.1	63.01	173.6	59.92
	-3.0	-3.7	225.0	68.61	211.8	65.91	199.4	64.00	193.2	62.44	187.1	60.60	173.6	57.57
	0.0	-0.7	225.0	64.52	211.8	62.11	199.4	60.35	193.2	58.74	187.1	57.01	173.6	54.05
	3.0	2.2	225.0	60.43	211.8	58.34	199.4	56.73	193.2	55.03	187.1	53.41	173.6	50.54
	5.0	4.1	225.0	57.72	211.8	55.82	199.4	54.29	193.2	52.56	187.1	51.01	173.6	48.19
	7.0	6.0	225.0	54.99	211.8	53.29	199.4	51.87	193.2	50.09	187.1	48.60	173.6	45.84
	9.0	7.9	225.0	52.42	211.8	50.81	199.4	49.44	193.2	47.76	187.1	46.33	173.6	43.69
	11.0	9.8	225.0	49.84	211.8	48.31	199.4	47.02	193.2	45.41	187.1	44.06	173.6	41.54
	13.0	11.8	225.0	47.27	211.8	45.81	199.4	44.58	193.2	43.06	187.1	41.79	173.6	39.40
15.0	13.7	225.0	44.71	211.8	43.33	199.4	42.16	193.2	40.73	187.1	39.51	173.6	37.25	
80	-24.8	-25	131.0	69.89	131.0	70.93	130.1	71.67	130.1	72.01	130.1	73.74	127.7	70.65
	-21.8	-22	159.6	70.93	159.6	71.98	159.6	72.70	159.6	73.74	159.6	70.65	155.1	67.67
	-19.8	-20	169.2	71.62	169.2	72.68	169.2	73.74	169.2	71.56	166.8	68.59	155.1	65.68
	-18.8	-19	172.9	71.98	172.9	73.74	172.9	72.64	172.8	70.47	166.8	67.55	155.1	64.68
	-16.7	-17	178.3	73.74	178.3	71.44	178.3	70.32	173.0	68.17	166.8	65.38	155.1	62.59
	-13.7	-15	186.5	70.35	182.7	68.15	178.3	67.00	173.0	64.91	166.8	62.29	155.1	59.62
	-11.8	-13	191.0	68.17	185.4	66.08	178.3	64.91	173.0	62.82	166.8	60.32	155.1	57.74
	-9.8	-11	196.1	65.91	188.1	63.88	178.3	62.70	173.0	60.64	166.8	58.26	155.1	55.74
	-9.5	-10	197.5	65.58	189.2	63.55	178.3	62.37	173.0	60.32	166.8	57.94	155.1	55.45
	-8.5	-9.1	199.5	64.43	190.0	62.46	178.3	61.26	173.0	59.23	166.8	56.91	155.1	54.45
	-7.0	-7.6	201.5	62.73	190.0	60.82	178.3	59.61	173.0	57.59	166.8	55.36	155.1	52.97
	-5.0	-5.6	201.5	60.46	190.0	58.61	178.3	57.38	173.0	55.41	166.8	53.30	155.1	50.98
	-3.0	-3.7	201.5	58.19	190.0	56.43	178.3	55.17	173.0	53.21	166.8	51.24	155.1	49.00
	0.0	-0.7	201.5	54.78	190.0	53.14	178.3	51.87	173.0	49.94	166.8	48.15	155.1	46.01
	3.0	2.2	201.5	51.37	190.0	49.87	178.3	48.55	173.0	46.67	166.8	45.03	155.1	43.04
	5.0	4.1	201.5	49.10	190.0	47.67	178.3	46.35	173.0	44.47	166.8	42.97	155.1	41.04
	7.0	6.0	201.5	46.84	190.0	45.48	178.3	44.14	173.0	42.29	166.8	40.91	155.1	39.07
	9.0	7.9	201.5	43.99	190.0	42.70	178.3	41.44	173.0	39.71	166.8	38.42	155.1	36.67
	11.0	9.8	201.5	40.82	190.0	39.63	178.3	38.46	173.0	36.87	166.8	35.64	155.1	34.03
	13.0	11.8	201.5	38.10	190.0	36.99	178.3	35.90	173.0	34.41	166.8	33.27	155.1	31.77
15.0	13.7	201.5	35.87	190.0	34.82	178.3	33.79	173.0	32.39	166.8	31.33	155.1	29.92	



# 7. Capacity Tables

## Heating Capacity (70HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB													
			16		18		20		21		22		24			
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
70	-24.8	-25	131.0	69.94	131.0	70.28	130.1	70.97	130.1	72.03	130.1	68.62	130.1	68.62	127.7	65.47
	-21.8	-22	152.8	70.97	152.8	71.33	151.9	72.03	146.6	68.62	142.3	65.47	132.8	62.39		
	-19.8	-20	167.3	71.67	161.3	72.03	151.9	69.65	146.6	66.38	142.3	63.36	132.8	60.34		
	-18.8	-19	171.0	72.03	161.3	70.79	151.9	68.45	146.6	65.24	142.3	62.30	132.8	59.33		
	-16.7	-17	171.0	69.47	161.3	68.21	151.9	65.97	146.6	62.88	142.3	60.07	132.8	57.18		
	-13.7	-15	171.0	65.85	161.3	64.53	151.9	62.41	146.6	59.48	142.3	56.90	132.8	54.10		
	-11.8	-13	171.0	63.54	161.3	62.21	151.9	60.15	146.6	57.34	142.3	54.89	132.8	52.16		
	-9.8	-11	171.0	61.12	161.3	59.74	151.9	57.77	146.6	55.09	142.3	52.78	132.8	50.11		
	-9.5	-10	171.0	60.76	161.3	59.39	151.9	57.42	146.6	54.75	142.3	52.46	132.8	49.81		
	-8.5	-9.1	171.0	59.56	161.3	58.15	151.9	56.24	146.6	53.63	142.3	51.40	132.8	48.79		
	-7.0	-7.6	171.0	57.74	161.3	56.33	151.9	54.45	146.6	51.92	142.3	49.83	132.8	47.26		
	-5.0	-5.6	171.0	55.30	161.3	53.86	151.9	52.07	146.6	49.66	142.3	47.72	132.8	45.20		
	-3.0	-3.7	171.0	52.89	161.3	51.42	151.9	49.71	146.6	47.40	142.3	45.60	132.8	43.17		
	0.0	-0.7	171.0	49.27	161.3	47.74	151.9	46.13	146.6	44.02	142.3	42.43	132.8	40.09		
	3.0	2.2	171.0	45.62	161.3	44.04	151.9	42.58	146.6	40.64	142.3	39.26	132.8	37.03		
	5.0	4.1	171.0	43.21	161.3	41.60	151.9	40.22	146.6	38.37	142.3	37.14	132.8	34.97		
	7.0	6.0	171.0	40.79	161.3	39.15	151.9	37.84	146.6	36.11	142.3	35.03	132.8	32.94		
	9.0	7.9	171.0	36.84	161.3	35.35	151.9	34.17	146.6	32.62	142.3	31.63	132.8	29.75		
	11.0	9.8	171.0	34.29	161.3	32.91	151.9	31.80	146.6	30.37	142.3	29.46	132.8	27.70		
	13.0	11.8	171.0	32.09	161.3	30.80	151.9	29.75	146.6	28.43	142.3	27.55	132.8	25.91		
15.0	13.7	171.0	30.25	161.3	29.04	151.9	28.05	146.6	26.79	142.3	25.97	132.8	24.42			
60	-24.8	-25	130.2	69.16	130.2	69.86	129.4	70.90	125.8	67.26	121.4	63.84	113.7	60.63		
	-21.8	-22	140.0	70.20	138.7	70.90	130.2	67.26	125.8	63.84	121.4	60.63	113.7	57.53		
	-19.8	-20	146.6	70.90	138.7	68.33	130.2	64.84	125.8	61.57	121.4	58.48	113.7	55.44		
	-18.8	-19	146.6	69.60	138.7	67.05	130.2	63.61	125.8	60.42	121.4	57.41	113.7	54.41		
	-16.7	-17	146.6	66.88	138.7	64.34	130.2	61.07	125.8	58.03	121.4	55.17	113.7	52.25		
	-13.7	-15	146.6	63.01	138.7	60.50	130.2	57.44	125.8	54.61	121.4	51.96	113.7	49.13		
	-11.8	-13	146.6	60.53	138.7	58.05	130.2	55.13	125.8	52.46	121.4	49.92	113.7	47.16		
	-9.8	-11	146.6	57.93	138.7	55.48	130.2	52.69	125.8	50.18	121.4	47.77	113.7	45.09		
	-9.5	-10	146.6	57.55	138.7	55.10	130.2	52.33	125.8	49.83	121.4	47.45	113.7	44.79		
	-8.5	-9.1	146.6	56.25	138.7	53.81	130.2	51.12	125.8	48.71	121.4	46.38	113.7	43.74		
	-7.0	-7.6	146.6	54.32	138.7	51.88	130.2	49.30	125.8	47.00	121.4	44.79	113.7	42.20		
	-5.0	-5.6	146.6	51.73	138.7	49.32	130.2	46.87	125.8	44.72	121.4	42.64	113.7	40.13		
	-3.0	-3.7	146.6	49.13	138.7	46.75	130.2	44.45	125.8	42.43	121.4	40.49	113.7	38.05		
	0.0	-0.7	146.6	45.24	138.7	42.88	130.2	40.80	125.8	39.03	121.4	37.27	113.7	34.95		
	3.0	2.2	146.6	41.36	138.7	39.02	130.2	37.17	125.8	35.61	121.4	34.08	113.7	31.85		
	5.0	4.1	146.6	38.77	138.7	36.45	130.2	34.74	125.8	33.34	121.4	31.93	113.7	29.76		
	7.0	6.0	146.6	36.17	138.7	33.88	130.2	32.30	125.8	31.04	121.4	29.78	113.7	27.70		
	9.0	7.9	146.6	32.27	138.7	30.24	130.2	28.84	125.8	27.70	121.4	26.58	113.7	24.71		
	11.0	9.8	146.6	30.13	138.7	28.23	130.2	26.91	125.8	25.88	121.4	24.82	113.7	23.07		
	13.0	11.8	146.6	28.23	138.7	26.44	130.2	25.21	125.8	24.24	121.4	23.24	113.7	21.63		
15.0	13.7	146.6	26.68	138.7	25.00	130.2	23.83	125.8	22.89	121.4	21.98	113.7	20.43			
50	-24.8	-25	122.3	60.17	115.3	61.23	108.5	58.02	105.0	55.03	101.5	52.20	94.5	49.56		
	-21.8	-22	122.3	61.23	115.3	58.02	108.5	55.03	105.0	52.20	101.5	49.56	94.5	47.01		
	-19.8	-20	122.3	59.00	115.3	55.88	108.5	53.03	105.0	50.30	101.5	47.80	94.5	45.33		
	-18.8	-19	122.3	57.88	115.3	54.82	108.5	52.03	105.0	49.36	101.5	46.92	94.5	44.48		
	-16.7	-17	122.3	55.55	115.3	52.59	108.5	49.95	105.0	47.39	101.5	45.07	94.5	42.69		
	-13.7	-15	122.3	52.21	115.3	49.39	108.5	46.95	105.0	44.54	101.5	42.43	94.5	40.16		
	-11.8	-13	122.3	50.09	115.3	47.36	108.5	45.07	105.0	42.75	101.5	40.75	94.5	38.55		
	-9.8	-11	122.3	47.86	115.3	45.24	108.5	43.07	105.0	40.87	101.5	39.01	94.5	36.84		
	-9.5	-10	122.3	47.53	115.3	44.92	108.5	42.77	105.0	40.58	101.5	38.75	94.5	36.58		
	-8.5	-9.1	122.3	46.42	115.3	43.84	108.5	41.77	105.0	39.63	101.5	37.87	94.5	35.73		
	-7.0	-7.6	122.3	44.77	115.3	42.25	108.5	40.28	105.0	38.22	101.5	36.55	94.5	34.47		
	-5.0	-5.6	122.3	42.53	115.3	40.12	108.5	38.28	105.0	36.34	101.5	34.79	94.5	32.77		
	-3.0	-3.7	122.3	40.30	115.3	37.98	108.5	36.28	105.0	34.44	101.5	33.02	94.5	31.08		
	0.0	-0.7	122.3	36.98	115.3	34.78	108.5	33.29	105.0	31.61	101.5	30.38	94.5	28.53		
	3.0	2.2	122.3	33.63	115.3	31.58	108.5	30.31	105.0	28.79	101.5	27.74	94.5	26.00		
	5.0	4.1	122.3	31.40	115.3	29.46	108.5	28.32	105.0	26.88	101.5	26.00	94.5	24.30		
	7.0	6.0	122.3	29.19	115.3	27.32	108.5	26.32	105.0	25.00	101.5	24.24	94.5	22.60		
	9.0	7.9	122.3	26.35	115.3	24.68	108.5	23.77	105.0	22.57	101.5	21.89	94.5	20.40		
	11.0	9.8	122.3	24.65	115.3	23.09	108.5	22.24	105.0	21.13	101.5	20.48	94.5	19.11		
	13.0	11.8	122.3	23.15	115.3	21.69	108.5	20.87	105.0	19.84	101.5	19.23	94.5	17.94		
15.0	13.7	122.3	21.90	115.3	20.52	108.5	19.76	105.0	18.76	101.5	18.20	94.5	16.97			

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN720BTE5

Heating Capacity (72HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	136.2	80.19	136.2	80.85	135.3	81.39	135.3	82.26	135.3	83.10	132.9	84.39
	-21.8	-22	168.0	81.48	168.0	82.14	166.8	82.71	166.8	83.58	166.8	84.39	163.5	85.71
	-19.8	-20	178.2	82.35	178.2	83.01	177.0	83.58	177.0	84.45	177.0	85.26	173.7	86.55
	-18.8	-19	182.4	82.80	182.4	83.43	181.2	84.00	181.2	84.87	181.2	85.71	177.6	87.00
	-16.7	-17	190.8	83.70	190.8	84.36	189.6	84.90	189.6	85.77	189.6	86.61	186.0	87.90
	-13.7	-15	202.8	84.99	202.8	85.65	201.6	86.22	201.6	87.09	201.6	87.90	197.7	84.72
	-11.8	-13	209.4	85.83	209.4	86.49	208.2	87.03	208.2	87.90	208.2	88.77	205.2	82.68
	-9.8	-11	216.3	86.70	216.3	87.33	215.1	87.90	215.1	88.77	215.1	89.65	213.0	80.55
	-9.5	-10	217.5	86.82	217.5	87.48	216.3	87.57	216.3	88.29	216.0	89.19	214.2	80.25
	-8.5	-9.1	221.7	87.27	221.7	87.90	220.5	88.40	220.5	89.18	219.6	89.61	218.1	79.17
	-7.0	-7.6	228.0	87.90	228.0	88.25	226.5	88.69	226.5	89.27	226.5	90.37	223.8	77.58
	-5.0	-5.6	236.4	87.77	236.4	88.00	234.9	88.38	234.9	89.19	234.9	90.12	231.6	75.45
	-3.0	-3.7	244.8	83.64	244.8	81.78	243.3	80.10	243.3	77.94	243.3	75.87	239.4	73.32
	0.0	-0.7	257.4	80.46	257.4	78.45	255.6	76.65	255.6	74.52	255.6	72.48	251.4	70.11
	3.0	2.2	270.0	77.25	270.0	75.09	268.2	73.20	268.2	71.13	268.2	69.12	251.7	66.93
	5.0	4.1	278.1	75.12	278.1	72.87	276.6	70.89	276.6	68.85	270.3	66.87	251.7	64.80
	7.0	6.0	286.5	72.99	286.5	70.65	284.7	68.58	280.2	66.60	270.3	64.62	251.7	62.67
	9.0	7.9	288.0	71.25	288.0	68.94	287.1	66.96	280.2	65.01	270.3	63.06	251.7	61.17
	11.0	9.8	288.0	70.14	288.0	67.89	287.1	65.91	280.2	63.99	270.3	62.07	251.7	60.21
	13.0	11.8	288.0	68.94	288.0	66.72	287.1	64.77	280.2	62.88	270.3	61.02	251.7	59.19
15.0	13.7	288.0	67.62	288.0	65.43	287.1	63.54	280.2	61.68	270.3	59.85	251.7	58.05	
120	-24.8	-25	135.3	80.85	135.3	81.39	134.4	82.26	134.4	83.10	134.4	84.39	132.0	85.29
	-21.8	-22	166.8	82.14	166.8	82.71	165.6	83.58	165.6	84.39	165.6	85.71	162.6	86.61
	-19.8	-20	177.0	83.01	177.0	83.58	175.8	84.45	175.8	85.26	175.8	86.55	172.5	87.48
	-18.8	-19	180.9	83.43	180.9	84.00	179.7	84.87	179.7	85.71	179.7	87.00	176.4	87.90
	-16.7	-17	189.3	84.36	189.3	84.90	188.1	85.77	188.1	86.61	188.1	87.90	184.5	85.86
	-13.7	-15	201.3	85.65	201.3	86.22	200.1	87.09	200.1	87.90	200.1	88.77	196.2	82.92
	-11.8	-13	207.9	86.49	207.9	87.03	206.7	87.90	206.7	88.77	206.7	89.61	203.7	81.06
	-9.8	-11	214.8	87.33	214.8	87.90	213.6	88.53	213.6	89.37	213.6	90.26	211.5	79.11
	-9.5	-10	216.0	87.48	216.0	87.54	214.8	85.20	214.8	83.13	214.8	80.58	212.7	78.81
	-8.5	-9.1	220.2	87.90	220.2	88.28	218.7	84.00	218.7	81.99	218.7	79.56	216.3	77.82
	-7.0	-7.6	226.5	86.07	226.5	84.42	225.0	82.23	225.0	80.31	225.0	78.03	222.3	76.35
	-5.0	-5.6	234.9	83.61	234.9	81.93	233.4	79.86	233.4	78.03	233.4	75.99	230.1	74.40
	-3.0	-3.7	243.0	81.15	243.0	79.44	241.5	77.49	241.5	75.75	241.5	73.98	236.4	72.45
	0.0	-0.7	255.6	77.46	255.6	75.69	253.8	73.95	253.8	72.36	253.8	70.92	236.4	69.51
	3.0	2.2	267.9	73.77	267.9	71.97	266.4	70.38	262.5	68.94	254.4	67.86	236.4	66.57
	5.0	4.1	276.3	71.31	276.3	69.48	271.5	68.01	262.5	66.66	254.4	65.82	236.4	64.62
	7.0	6.0	284.7	68.85	282.9	66.96	271.5	65.64	262.5	64.41	254.4	63.78	236.4	62.64
	9.0	7.9	285.9	67.02	282.9	65.19	271.5	63.93	262.5	62.70	254.4	62.10	236.4	60.99
	11.0	9.8	285.9	65.79	282.9	64.02	271.5	62.76	262.5	61.56	254.4	60.96	236.4	59.88
	13.0	11.8	285.9	64.47	282.9	62.70	271.5	61.47	262.5	60.30	254.4	59.73	236.4	58.68
15.0	13.7	285.9	63.03	282.9	61.32	271.5	60.12	262.5	58.98	254.4	58.41	236.4	57.36	
110	-24.8	-25	134.7	81.39	134.7	82.26	133.8	83.10	133.8	84.39	133.8	85.29	131.1	85.74
	-21.8	-22	165.9	82.71	165.9	83.58	164.7	84.39	164.7	85.71	164.7	86.61	161.7	87.03
	-19.8	-20	176.1	83.58	176.1	84.45	174.9	85.26	174.9	86.55	174.9	87.48	171.6	87.90
	-18.8	-19	180.0	84.00	180.0	84.87	178.8	85.71	178.8	87.00	178.8	87.90	175.5	86.82
	-16.7	-17	188.4	84.90	188.4	85.77	187.2	86.61	187.2	87.90	187.2	88.77	183.6	84.51
	-13.7	-15	200.1	86.22	200.1	87.09	198.9	87.90	198.9	88.77	198.9	89.61	194.9	81.24
	-11.8	-13	206.7	87.03	206.7	87.90	205.5	88.77	205.5	89.61	205.5	90.46	201.5	79.14
	-9.8	-11	213.6	87.90	213.6	88.77	212.4	89.61	212.4	90.46	212.4	91.31	207.5	77.05
	-9.5	-10	214.8	87.48	214.8	87.54	213.6	85.20	213.6	83.13	214.8	80.58	212.7	78.81
	-8.5	-9.1	219.0	86.04	219.0	83.49	217.8	81.39	217.8	79.66	217.8	78.03	215.7	76.54
	-7.0	-7.6	225.3	83.85	225.3	81.45	223.8	79.50	223.8	77.59	223.8	75.73	221.7	73.89
	-5.0	-5.6	233.4	80.97	233.4	78.78	231.9	77.01	231.9	75.24	227.7	73.20	221.7	71.70
	-3.0	-3.7	241.8	78.09	241.8	76.08	240.3	74.49	235.8	72.48	227.7	71.07	221.7	69.51
	0.0	-0.7	254.1	73.74	254.1	72.06	243.6	70.74	235.8	69.09	227.7	67.89	221.7	66.21
	3.0	2.2	266.4	69.39	259.8	68.04	243.6	66.99	235.8	65.70	227.7	64.68	221.7	62.94
	5.0	4.1	274.8	66.51	259.8	65.34	243.6	64.47	235.8	63.45	227.7	62.55	221.7	60.75
	7.0	6.0	274.8	63.63	259.8	62.67	243.6	61.95	235.8	61.20	227.7	60.42	221.7	58.56
	9.0	7.9	274.8	61.65	259.8	60.72	243.6	60.06	235.8	59.31	227.7	58.56	221.7	56.76
	11.0	9.8	274.8	60.24	259.8	59.31	243.6	58.65	235.8	57.93	227.7	57.21	221.7	55.44
	13.0	11.8	274.8	58.68	259.8	57.81	243.6	57.15	235.8	56.46	227.7	55.74	221.7	54.03
15.0	13.7	274.8	57.06	259.8	56.19	243.6	55.56	235.8	54.90	227.7	54.18	221.7	52.53	

# 7. Capacity Tables

Heating Capacity (72HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	134.1	90.36	134.1	90.03	133.2	84.00	133.2	89.25	133.2	88.89	130.5	88.74
	-21.8	-22	165.0	89.88	165.0	89.55	164.1	86.64	164.1	88.74	164.1	89.64	160.8	88.23
	-19.8	-20	175.2	89.55	175.2	89.22	174.3	88.32	174.3	88.41	174.3	88.50	171.0	87.90
	-18.8	-19	179.1	89.37	178.2	89.07	178.2	88.74	178.2	88.26	178.2	87.90	174.6	86.55
	-16.7	-17	186.3	89.04	186.3	88.71	186.3	89.64	185.4	87.90	185.4	85.11	181.8	83.70
	-13.7	-15	199.2	88.56	199.2	88.23	198.0	87.90	198.0	83.88	198.0	81.15	194.4	79.65
	-11.8	-13	205.8	88.23	204.6	87.90	204.6	85.23	204.6	81.33	204.6	78.63	194.4	77.07
	-9.8	-11	212.4	87.90	212.4	84.90	211.5	82.38	211.5	78.63	208.5	75.96	194.4	74.37
	-9.5	-10	213.6	87.45	213.6	84.45	212.7	81.96	212.7	78.24	208.5	75.57	194.4	73.95
	-8.5	-9.1	217.8	85.86	217.8	82.95	216.9	80.55	215.7	76.89	208.5	74.22	194.4	72.60
	-7.0	-7.6	227.7	83.52	226.8	80.70	222.9	78.42	215.7	74.88	208.5	72.24	194.4	70.56
	-5.0	-5.6	237.6	80.40	235.2	77.70	222.9	75.60	215.7	72.21	208.5	69.60	194.4	67.86
	-3.0	-3.7	244.5	77.25	237.3	74.67	222.9	72.78	215.7	69.51	208.5	66.93	194.4	65.16
	0.0	-0.7	251.4	72.57	237.3	70.17	222.9	68.52	215.7	65.49	208.5	62.94	194.4	61.08
	3.0	2.2	251.4	67.86	237.3	65.67	222.9	64.29	215.7	61.44	208.5	58.98	194.4	57.03
	5.0	4.1	251.4	64.71	237.3	62.67	222.9	61.44	215.7	58.77	208.5	56.31	194.4	54.30
	7.0	6.0	251.4	61.59	237.3	59.67	222.9	58.62	215.7	56.07	208.5	53.67	194.4	51.60
	9.0	7.9	251.4	59.43	237.3	57.57	222.9	56.58	215.7	54.12	208.5	51.78	194.4	49.80
	11.0	9.8	251.4	57.78	237.3	55.98	222.9	54.99	215.7	52.62	208.5	50.34	194.4	48.42
	13.0	11.8	251.4	56.01	237.3	54.27	222.9	53.31	215.7	51.00	208.5	48.81	194.4	46.95
15.0	13.7	251.4	54.15	237.3	52.44	222.9	51.54	215.7	49.29	208.5	47.16	194.4	45.36	
90	-24.8	-25	133.5	80.19	133.5	81.48	132.6	82.41	132.6	82.83	132.6	83.70	130.2	84.99
	-21.8	-22	164.4	81.48	164.4	82.80	163.5	83.70	163.5	84.12	163.5	84.99	160.2	81.42
	-19.8	-20	174.6	82.35	174.6	83.64	173.4	84.57	173.4	84.99	173.4	82.56	170.1	79.02
	-18.8	-19	179.1	82.80	178.2	84.09	177.3	84.99	177.3	83.73	177.3	81.33	174.0	77.82
	-16.7	-17	186.3	83.70	186.3	84.99	185.7	82.41	185.7	81.09	185.7	78.75	177.6	75.30
	-13.7	-15	199.2	84.99	199.2	81.15	197.4	78.69	197.4	77.31	191.4	75.09	177.6	71.70
	-11.8	-13	205.8	82.35	204.6	78.69	203.7	76.35	197.7	74.94	191.4	72.75	177.6	69.42
	-9.8	-11	212.4	79.59	212.4	76.14	204.0	73.86	197.7	72.42	191.4	70.32	177.6	67.05
	-9.5	-10	213.6	79.17	213.6	75.75	204.0	73.50	197.7	72.03	191.4	69.96	177.6	66.69
	-8.5	-9.1	217.8	77.79	216.3	74.46	204.0	72.27	197.7	70.77	191.4	68.73	177.6	65.49
	-7.0	-7.6	227.7	75.72	216.6	72.54	204.0	70.41	197.7	68.88	191.4	66.90	177.6	63.69
	-5.0	-5.6	230.1	72.93	216.6	69.96	204.0	67.92	197.7	66.39	191.4	64.44	177.6	61.29
	-3.0	-3.7	230.1	70.17	216.6	67.41	204.0	65.46	197.7	63.87	191.4	61.98	177.6	58.89
	0.0	-0.7	230.1	66.00	216.6	63.54	204.0	61.74	197.7	60.09	191.4	58.32	177.6	55.29
	3.0	2.2	230.1	61.83	216.6	59.70	204.0	58.05	197.7	56.31	191.4	54.66	177.6	51.72
	5.0	4.1	230.1	59.07	216.6	57.12	204.0	55.56	197.7	53.79	191.4	52.20	177.6	49.32
	7.0	6.0	230.1	56.28	216.6	54.54	204.0	53.10	197.7	51.27	191.4	49.74	177.6	46.92
	9.0	7.9	230.1	53.67	216.6	52.02	204.0	50.61	197.7	48.90	191.4	47.43	177.6	44.73
	11.0	9.8	230.1	51.03	216.6	49.47	204.0	48.15	197.7	46.50	191.4	45.12	177.6	42.54
	13.0	11.8	230.1	48.42	216.6	46.92	204.0	45.66	197.7	44.10	191.4	42.81	177.6	40.35
15.0	13.7	230.1	45.81	216.6	44.40	204.0	43.20	197.7	41.73	191.4	40.47	177.6	38.16	
80	-24.8	-25	132.9	70.56	132.9	71.85	132.0	72.78	132.0	73.20	132.0	75.36	129.6	72.21
	-21.8	-22	162.6	71.85	162.6	73.17	162.6	74.07	162.6	75.36	162.6	72.21	158.7	69.18
	-19.8	-20	172.8	72.72	172.8	74.04	172.8	75.36	172.8	73.14	170.7	70.11	158.7	67.14
	-18.8	-19	176.7	73.17	176.7	75.36	176.7	74.25	176.7	72.03	170.7	69.06	158.7	66.12
	-16.7	-17	182.4	75.36	182.4	73.02	182.4	71.88	177.0	69.69	170.7	66.84	158.7	63.99
	-13.7	-15	190.8	71.91	186.9	69.66	182.4	68.49	177.0	66.36	170.7	63.69	158.7	60.96
	-11.8	-13	195.3	69.69	189.6	67.56	182.4	66.36	177.0	64.23	170.7	61.68	158.7	59.04
	-9.8	-11	200.4	67.38	192.3	65.31	182.4	64.11	177.0	62.01	170.7	59.58	158.7	57.00
	-9.5	-10	201.9	67.05	193.5	64.98	182.4	63.78	177.0	61.68	170.7	59.25	158.7	56.70
	-8.5	-9.1	204.0	65.88	194.4	63.87	182.4	62.64	177.0	60.57	170.7	58.20	158.7	55.68
	-7.0	-7.6	206.1	64.14	194.4	62.19	182.4	60.96	177.0	58.89	170.7	56.61	158.7	54.18
	-5.0	-5.6	206.1	61.83	194.4	59.94	182.4	58.68	177.0	56.67	170.7	54.51	158.7	52.14
	-3.0	-3.7	206.1	59.52	194.4	57.72	182.4	56.43	177.0	54.42	170.7	52.41	158.7	50.13
	0.0	-0.7	206.1	56.04	194.4	54.36	182.4	53.07	177.0	51.09	170.7	49.26	158.7	47.07
	3.0	2.2	206.1	52.56	194.4	51.03	182.4	49.68	177.0	47.76	170.7	46.08	158.7	44.04
	5.0	4.1	206.1	50.25	194.4	48.78	182.4	47.43	177.0	45.51	170.7	43.98	158.7	42.00
	7.0	6.0	206.1	47.94	194.4	46.56	182.4	45.18	177.0	43.29	170.7	41.88	158.7	39.99
	9.0	7.9	206.1	45.03	194.4	43.71	182.4	42.42	177.0	40.65	170.7	39.33	158.7	37.53
	11.0	9.8	206.1	41.79	194.4	40.56	182.4	39.36	177.0	37.74	170.7	36.48	158.7	34.83
	13.0	11.8	206.1	39.00	194.4	37.86	182.4	36.75	177.0	35.22	170.7	34.05	158.7	32.52
15.0	13.7	206.1	36.72	194.4	35.64	182.4	34.59	177.0	33.15	170.7	32.07	158.7	30.63	

# 7. Capacity Tables

Heating Capacity (72HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	132.9	71.01	132.9	71.43	132.0	72.30	132.0	73.62	132.0	70.14	129.6	66.93
	-21.8	-22	156.3	72.30	156.3	72.75	155.4	73.62	150.0	70.14	145.5	66.93	135.9	63.78
	-19.8	-20	171.9	73.17	165.0	73.62	155.4	71.19	150.0	67.86	145.5	64.77	135.9	61.68
	-18.8	-19	174.9	73.62	165.0	72.36	155.4	69.96	150.0	66.69	145.5	63.69	135.9	60.66
	-16.7	-17	174.9	71.01	165.0	69.72	155.4	67.44	150.0	64.29	145.5	61.41	135.9	58.47
	-13.7	-15	174.9	67.32	165.0	65.97	155.4	63.81	150.0	60.81	145.5	58.17	135.9	55.32
	-11.8	-13	174.9	64.95	165.0	63.60	155.4	61.50	150.0	58.62	145.5	56.13	135.9	53.34
	-9.8	-11	174.9	62.49	165.0	61.08	155.4	59.07	150.0	56.34	145.5	53.97	135.9	51.24
	-9.5	-10	174.9	62.13	165.0	60.72	155.4	58.71	150.0	55.98	145.5	53.64	135.9	50.94
	-8.5	-9.1	174.9	60.90	165.0	59.46	155.4	57.51	150.0	54.84	145.5	52.56	135.9	49.89
	-7.0	-7.6	174.9	59.04	165.0	57.60	155.4	55.68	150.0	53.10	145.5	50.97	135.9	48.33
	-5.0	-5.6	174.9	56.55	165.0	55.08	155.4	53.25	150.0	50.79	145.5	48.81	135.9	46.23
	-3.0	-3.7	174.9	54.09	165.0	52.59	155.4	50.85	150.0	48.48	145.5	46.65	135.9	44.16
	0.0	-0.7	174.9	50.40	165.0	48.84	155.4	47.19	150.0	45.03	145.5	43.41	135.9	41.01
	3.0	2.2	174.9	46.68	165.0	45.06	155.4	43.56	150.0	41.58	145.5	40.17	135.9	37.89
	5.0	4.1	174.9	44.22	165.0	42.57	155.4	41.16	150.0	39.27	145.5	38.01	135.9	35.79
	7.0	6.0	174.9	41.76	165.0	40.08	155.4	38.73	150.0	36.96	145.5	35.85	135.9	33.72
	9.0	7.9	174.9	37.71	165.0	36.18	155.4	34.98	150.0	33.39	145.5	32.37	135.9	30.45
	11.0	9.8	174.9	35.10	165.0	33.69	155.4	32.55	150.0	31.08	145.5	30.15	135.9	28.35
	13.0	11.8	174.9	32.85	165.0	31.53	155.4	30.45	150.0	29.10	145.5	28.20	135.9	26.52
15.0	13.7	174.9	30.96	165.0	29.73	155.4	28.71	150.0	27.42	145.5	26.58	135.9	24.99	
60	-24.8	-25	132.9	70.14	132.9	71.01	132.0	72.30	128.7	68.61	124.2	65.13	116.4	61.86
	-21.8	-22	143.1	71.43	141.9	72.30	133.2	68.61	128.7	65.13	124.2	61.86	116.4	58.71
	-19.8	-20	150.0	72.30	141.9	69.69	133.2	66.15	128.7	62.82	124.2	59.67	116.4	56.58
	-18.8	-19	150.0	70.98	141.9	68.40	133.2	64.89	128.7	61.65	124.2	58.59	116.4	55.53
	-16.7	-17	150.0	68.22	141.9	65.64	133.2	62.31	128.7	59.22	124.2	56.31	116.4	53.34
	-13.7	-15	150.0	64.29	141.9	61.74	133.2	58.62	128.7	55.74	124.2	53.04	116.4	50.16
	-11.8	-13	150.0	61.77	141.9	59.25	133.2	56.28	128.7	53.55	124.2	50.97	116.4	48.15
	-9.8	-11	150.0	59.13	141.9	56.64	133.2	53.79	128.7	51.24	124.2	48.78	116.4	46.05
	-9.5	-10	150.0	58.74	141.9	56.25	133.2	53.43	128.7	50.88	124.2	48.45	116.4	45.75
	-8.5	-9.1	150.0	57.42	141.9	54.93	133.2	52.20	128.7	49.74	124.2	47.37	116.4	44.67
	-7.0	-7.6	150.0	55.47	141.9	52.98	133.2	50.34	128.7	48.00	124.2	45.75	116.4	43.11
	-5.0	-5.6	150.0	52.83	141.9	50.37	133.2	47.88	128.7	45.69	124.2	43.56	116.4	41.01
	-3.0	-3.7	150.0	50.19	141.9	47.76	133.2	45.42	128.7	43.35	124.2	41.37	116.4	38.88
	0.0	-0.7	150.0	46.23	141.9	43.83	133.2	41.70	128.7	39.90	124.2	38.10	116.4	35.73
	3.0	2.2	150.0	42.30	141.9	39.90	133.2	38.01	128.7	36.42	124.2	34.86	116.4	32.58
	5.0	4.1	150.0	39.66	141.9	37.29	133.2	35.55	128.7	34.11	124.2	32.67	116.4	30.45
	7.0	6.0	150.0	37.02	141.9	34.68	133.2	33.06	128.7	31.77	124.2	30.48	116.4	28.35
	9.0	7.9	150.0	33.03	141.9	30.96	133.2	29.52	128.7	28.35	124.2	27.21	116.4	25.29
	11.0	9.8	150.0	30.84	141.9	28.89	133.2	27.54	128.7	26.49	124.2	25.41	116.4	23.61
	13.0	11.8	150.0	28.89	141.9	27.06	133.2	25.80	128.7	24.81	124.2	23.79	116.4	22.14
15.0	13.7	150.0	27.30	141.9	25.59	133.2	24.39	128.7	23.43	124.2	22.50	116.4	20.91	
50	-24.8	-25	125.1	61.26	117.9	62.58	111.0	59.31	107.4	56.25	103.8	53.37	96.6	50.67
	-21.8	-22	125.1	62.58	117.9	59.31	111.0	56.25	107.4	53.37	103.8	50.67	96.6	48.06
	-19.8	-20	125.1	60.30	117.9	57.12	111.0	54.21	107.4	51.42	103.8	48.87	96.6	46.35
	-18.8	-19	125.1	59.16	117.9	56.04	111.0	53.19	107.4	50.46	103.8	47.97	96.6	45.48
	-16.7	-17	125.1	56.79	117.9	53.76	111.0	51.06	107.4	48.45	103.8	46.08	96.6	43.65
	-13.7	-15	125.1	53.37	117.9	50.49	111.0	48.00	107.4	45.54	103.8	43.38	96.6	41.07
	-11.8	-13	125.1	51.21	117.9	48.42	111.0	46.08	107.4	43.71	103.8	41.67	96.6	39.42
	-9.8	-11	125.1	48.93	117.9	46.26	111.0	44.04	107.4	41.79	103.8	39.90	96.6	37.68
	-9.5	-10	125.1	48.60	117.9	45.93	111.0	43.74	107.4	41.49	103.8	39.63	96.6	37.41
	-8.5	-9.1	125.1	47.46	117.9	44.82	111.0	42.72	107.4	40.53	103.8	38.73	96.6	36.54
	-7.0	-7.6	125.1	45.78	117.9	43.20	111.0	41.19	107.4	39.09	103.8	37.38	96.6	35.25
	-5.0	-5.6	125.1	43.50	117.9	41.04	111.0	39.15	107.4	37.17	103.8	35.58	96.6	33.51
	-3.0	-3.7	125.1	41.22	117.9	38.85	111.0	37.11	107.4	35.22	103.8	33.78	96.6	31.80
	0.0	-0.7	125.1	37.83	117.9	35.58	111.0	34.05	107.4	32.34	103.8	31.08	96.6	29.19
	3.0	2.2	125.1	34.41	117.9	32.31	111.0	31.02	107.4	29.46	103.8	28.38	96.6	26.61
	5.0	4.1	125.1	32.13	117.9	30.15	111.0	28.98	107.4	27.51	103.8	26.61	96.6	24.87
	7.0	6.0	125.1	29.88	117.9	27.96	111.0	26.94	107.4	25.59	103.8	24.81	96.6	23.13
	9.0	7.9	125.1	26.97	117.9	25.26	111.0	24.33	107.4	23.10	103.8	22.41	96.6	20.88
	11.0	9.8	125.1	25.23	117.9	23.64	111.0	22.77	107.4	21.63	103.8	20.97	96.6	19.56
	13.0	11.8	125.1	23.70	117.9	22.20	111.0	21.36	107.4	20.31	103.8	19.68	96.6	18.36
15.0	13.7	125.1	22.41	117.9	21.00	111.0	20.22	107.4	19.20	103.8	18.63	96.6	17.37	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## 7.2.4 4 Units Combination

### ◆ ARUN740BTE5

Heating Capacity (74HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	142.0	78.77	142.0	79.57	141.2	80.24	141.2	81.30	141.2	82.32	138.9	83.89
	-21.8	-22	173.7	80.35	173.7	81.15	172.4	81.84	172.4	82.90	172.4	83.96	169.5	85.49
	-19.8	-20	183.5	81.41	183.5	82.21	182.3	82.90	182.3	83.96	182.3	84.95	179.3	86.53
	-18.8	-19	187.8	81.94	187.8	82.72	186.6	83.42	186.6	84.48	186.6	85.49	183.4	87.08
	-16.7	-17	196.7	83.05	196.7	83.85	195.4	84.52	195.4	85.58	195.4	86.59	192.1	88.18
	-13.7	-15	209.2	84.63	209.2	85.43	208.0	86.12	208.0	87.18	208.0	88.18	204.4	84.83
	-11.8	-13	216.0	85.64	216.0	86.44	214.8	87.12	214.8	88.18	214.8	89.18	212.2	82.69
	-9.8	-11	223.2	86.70	223.2	87.48	221.8	88.18	221.8	89.18	221.8	90.18	220.1	80.45
	-9.5	-10	224.5	86.86	224.5	87.66	223.2	88.18	223.2	89.18	223.2	90.18	221.4	80.12
	-8.5	-9.1	229.0	87.39	229.0	88.18	227.7	88.67	227.7	89.67	227.7	90.67	225.4	78.99
	-7.0	-7.6	235.8	88.18	235.8	88.97	234.2	89.46	234.2	90.46	234.2	91.46	231.9	77.32
	-5.0	-5.6	244.9	88.97	244.9	89.76	243.3	90.25	243.3	91.25	243.3	92.25	240.0	75.08
	-3.0	-3.7	253.9	89.76	253.9	90.55	252.3	91.04	252.3	92.04	252.3	93.04	248.2	72.84
	0.0	-0.7	267.4	90.55	267.4	91.34	265.7	91.83	265.7	92.83	265.7	93.83	260.1	69.48
	3.0	2.2	281.0	91.34	281.0	92.13	279.1	92.62	279.1	93.62	279.1	94.62	260.3	66.12
	5.0	4.1	289.3	92.13	289.3	92.92	287.8	93.41	287.8	94.41	287.8	95.41	260.3	63.88
	7.0	6.0	296.6	92.92	296.6	93.71	294.8	94.20	294.8	95.20	294.8	96.20	260.3	61.64
	9.0	7.9	297.9	93.71	297.9	94.50	296.9	95.00	296.9	96.00	296.9	97.00	260.3	59.98
11.0	9.8	297.9	94.50	297.9	95.29	296.9	95.79	296.9	96.79	296.9	97.79	260.3	58.85	
13.0	11.8	297.9	95.29	297.9	96.08	296.9	96.58	296.9	97.58	296.9	98.58	260.3	57.63	
15.0	13.7	297.9	96.08	297.9	96.87	296.9	97.37	296.9	98.37	296.9	99.37	260.3	56.31	
120	-24.8	-25	141.1	79.57	141.1	80.24	140.2	81.30	140.2	82.32	140.2	83.32	137.9	85.00
	-21.8	-22	172.4	81.15	172.4	81.84	171.2	82.90	171.2	83.96	171.2	84.95	168.5	86.59
	-19.8	-20	182.2	82.21	182.2	82.90	181.0	83.96	181.0	84.95	181.0	85.95	178.0	87.66
	-18.8	-19	186.4	82.72	186.4	83.42	185.1	84.48	185.1	85.49	185.1	86.49	182.1	88.18
	-16.7	-17	195.2	83.85	195.2	84.52	194.0	85.58	194.0	86.59	194.0	87.59	190.6	86.02
	-13.7	-15	207.6	85.43	207.6	86.12	206.4	87.18	206.4	88.18	206.4	89.18	202.9	82.94
	-11.8	-13	214.4	86.44	214.4	87.12	213.2	88.18	213.2	89.18	213.2	90.18	210.6	80.98
	-9.8	-11	221.6	87.48	221.6	88.18	220.3	89.18	220.3	90.18	220.3	91.18	218.6	78.93
	-9.5	-10	223.0	87.66	223.0	88.36	221.7	89.36	221.7	90.36	221.7	91.36	220.0	78.61
	-8.5	-9.1	227.5	88.18	227.5	88.88	225.9	89.88	225.9	90.88	225.9	91.88	224.0	77.57
	-7.0	-7.6	234.2	88.97	234.2	89.76	232.7	90.76	232.7	91.76	232.7	92.76	230.3	76.03
	-5.0	-5.6	243.2	89.76	243.2	90.55	241.6	91.55	241.6	92.55	241.6	93.55	238.5	73.98
	-3.0	-3.7	252.1	90.55	252.1	91.34	250.5	92.34	250.5	93.34	250.5	94.34	244.5	71.93
	0.0	-0.7	265.5	91.34	265.5	92.13	263.7	93.13	263.7	94.13	263.7	95.13	244.5	68.84
	3.0	2.2	278.9	92.13	278.9	92.92	276.3	93.92	276.3	94.92	276.3	95.92	244.5	65.75
	5.0	4.1	287.3	92.92	287.3	93.71	285.8	94.71	285.8	95.71	285.8	96.71	244.5	63.69
	7.0	6.0	294.6	93.71	294.6	94.50	292.5	95.50	292.5	96.50	292.5	97.50	244.5	61.62
	9.0	7.9	295.6	94.50	295.6	95.29	293.5	96.29	293.5	97.29	293.5	98.29	244.5	59.82
11.0	9.8	295.6	95.29	295.6	96.08	293.5	97.08	293.5	98.08	293.5	99.08	244.5	58.54	
13.0	11.8	295.6	96.08	295.6	96.87	293.5	97.87	293.5	98.87	293.5	99.87	244.5	57.17	
15.0	13.7	295.6	96.87	295.6	97.66	293.5	98.66	293.5	99.66	293.5	100.66	244.5	55.68	
110	-24.8	-25	140.4	80.24	140.4	81.30	139.5	82.32	139.5	83.32	139.5	84.32	137.1	85.53
	-21.8	-22	171.5	81.84	171.5	82.90	170.3	83.96	170.3	84.95	170.3	85.95	167.6	87.12
	-19.8	-20	181.3	82.90	181.3	83.96	180.1	84.95	180.1	85.95	180.1	86.95	177.1	88.18
	-18.8	-19	185.4	83.42	185.4	84.48	184.1	85.49	184.1	86.49	184.1	87.49	181.2	87.04
	-16.7	-17	194.2	84.52	194.2	85.58	193.0	86.59	193.0	87.59	193.0	88.59	189.6	84.64
	-13.7	-15	206.5	86.12	206.5	87.18	205.2	88.18	205.2	89.18	205.2	90.18	205.2	81.23
	-11.8	-13	213.3	87.12	213.3	88.18	212.0	89.18	212.0	90.18	212.0	91.18	212.0	79.04
	-9.8	-11	220.4	88.18	220.4	89.18	219.1	90.18	219.1	91.18	219.1	92.18	218.5	76.77
	-9.5	-10	221.7	88.36	221.7	89.36	220.5	90.36	220.5	91.36	220.5	92.36	219.7	76.42
	-8.5	-9.1	226.2	88.97	226.2	89.76	224.9	90.76	224.9	91.76	224.9	92.76	220.0	75.29
	-7.0	-7.6	233.0	89.76	233.0	90.55	231.5	91.55	231.5	92.55	231.5	93.55	220.0	73.57
	-5.0	-5.6	241.8	90.55	241.8	91.34	240.2	92.34	240.2	93.34	240.2	94.34	220.0	71.30
	-3.0	-3.7	250.7	91.34	250.7	92.13	249.0	93.13	249.0	94.13	249.0	95.13	220.0	69.01
	0.0	-0.7	264.1	92.13	264.1	92.92	262.5	93.92	262.5	94.92	262.5	95.92	220.0	65.58
	3.0	2.2	276.9	92.92	276.9	93.71	275.1	94.71	275.1	95.71	275.1	96.71	220.0	62.16
	5.0	4.1	284.1	93.71	284.1	94.50	282.5	95.50	282.5	96.50	282.5	97.50	220.0	59.89
	7.0	6.0	284.2	94.50	284.2	95.29	282.5	96.29	282.5	97.29	282.5	98.29	220.0	57.60
	9.0	7.9	284.2	95.29	284.2	96.08	282.5	97.08	282.5	98.08	282.5	99.08	220.0	55.67
11.0	9.8	284.2	96.08	284.2	96.87	282.5	97.87	282.5	98.87	282.5	99.87	220.0	54.21	
13.0	11.8	284.2	96.87	284.2	97.66	282.5	98.66	282.5	99.66	282.5	100.66	220.0	52.65	
15.0	13.7	284.2	97.66	284.2	98.45	282.5	99.45	282.5	100.45	282.5	101.45	220.0	50.99	

# 7. Capacity Tables

Heating Capacity (74HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	139.8	89.17	139.8	89.04	138.9	83.67	138.9	88.73	138.9	88.58	136.5	88.53
	-21.8	-22	170.6	88.98	170.6	88.85	169.7	86.31	169.7	88.52	169.7	89.63	166.7	88.31
	-19.8	-20	180.4	88.85	180.4	88.72	179.4	88.00	179.4	88.39	179.4	88.67	176.4	88.18
	-18.8	-19	184.5	88.77	183.5	88.66	183.5	88.52	183.5	88.33	183.5	88.18	180.3	86.79
	-16.7	-17	192.1	88.64	192.1	88.51	192.1	89.63	191.1	88.18	191.1	85.29	187.8	83.85
	-13.7	-15	205.5	88.45	205.5	88.32	204.3	88.18	204.3	84.00	204.3	81.19	201.1	79.67
	-11.8	-13	212.3	88.31	211.1	88.18	211.1	85.39	211.1	81.35	211.1	78.58	201.1	77.01
	-9.8	-11	219.2	88.18	219.2	85.04	218.2	82.43	218.2	78.56	215.7	75.84	201.1	74.23
	-9.5	-10	220.5	87.69	220.5	84.57	219.5	81.98	219.5	78.15	215.7	75.43	201.1	73.79
	-8.5	-9.1	225.0	86.03	225.0	83.01	224.0	80.51	223.1	76.75	215.7	74.04	201.1	72.41
	-7.0	-7.6	235.5	83.58	234.6	80.66	230.5	78.30	223.1	74.66	215.7	71.99	201.1	70.31
	-5.0	-5.6	245.7	80.30	243.3	77.52	230.5	75.36	223.1	71.89	215.7	69.25	201.1	67.52
	-3.0	-3.7	252.9	77.01	245.3	74.36	230.5	72.42	223.1	69.09	215.7	66.50	201.1	64.73
	0.0	-0.7	259.9	72.09	245.3	69.66	230.5	67.97	223.1	64.92	215.7	62.38	201.1	60.53
	3.0	2.2	259.9	67.16	245.3	64.96	230.5	63.56	223.1	60.73	215.7	58.28	201.1	56.35
	5.0	4.1	259.9	63.86	245.3	61.82	230.5	60.60	223.1	57.95	215.7	55.52	201.1	53.54
	7.0	6.0	259.9	60.59	245.3	58.69	230.5	57.66	223.1	55.16	215.7	52.79	201.1	50.75
	9.0	7.9	259.9	58.21	245.3	56.39	230.5	55.42	223.1	53.00	215.7	50.72	201.1	48.78
	11.0	9.8	259.9	56.33	245.3	54.57	230.5	53.61	223.1	51.30	215.7	49.07	201.1	47.20
	13.0	11.8	259.9	54.32	245.3	52.63	230.5	51.71	223.1	49.46	215.7	47.33	201.1	45.53
15.0	13.7	259.9	52.21	245.3	50.56	230.5	49.70	223.1	47.54	215.7	45.48	201.1	43.74	
90	-24.8	-25	139.2	79.11	139.2	80.69	138.3	81.81	138.3	82.34	138.3	83.39	136.1	84.97
	-21.8	-22	170.0	80.69	170.0	82.29	169.1	83.39	169.1	83.91	169.1	84.97	166.0	81.32
	-19.8	-20	179.8	81.75	179.8	83.32	178.6	84.45	178.6	84.97	178.6	82.48	175.6	78.88
	-18.8	-19	184.5	82.29	183.5	83.87	182.7	84.97	182.7	83.68	182.7	81.22	179.7	77.65
	-16.7	-17	192.1	83.39	192.1	84.97	191.3	82.32	191.3	80.98	191.3	78.59	183.6	75.08
	-13.7	-15	205.5	84.97	205.5	81.02	203.7	78.50	203.7	77.10	197.8	74.85	183.6	71.42
	-11.8	-13	212.3	82.25	211.1	78.49	210.2	76.09	204.4	74.67	197.8	72.45	183.6	69.09
	-9.8	-11	219.2	79.40	219.2	75.86	211.0	73.55	204.4	72.09	197.8	69.97	183.6	66.67
	-9.5	-10	220.5	78.97	220.5	75.46	211.0	73.17	204.4	71.70	197.8	69.59	183.6	66.31
	-8.5	-9.1	225.0	77.55	223.4	74.14	211.0	71.91	204.4	70.41	197.8	68.34	183.6	65.08
	-7.0	-7.6	235.5	75.40	224.0	72.16	211.0	69.99	204.4	68.47	197.8	66.46	183.6	63.25
	-5.0	-5.6	238.0	72.53	224.0	69.51	211.0	67.44	204.4	65.92	197.8	63.96	183.6	60.80
	-3.0	-3.7	238.0	69.68	224.0	66.88	211.0	64.92	204.4	63.33	197.8	61.44	183.6	58.36
	0.0	-0.7	238.0	65.38	224.0	62.90	211.0	61.10	204.4	59.46	197.8	57.70	183.6	54.69
	3.0	2.2	238.0	61.09	224.0	58.96	211.0	57.31	204.4	55.59	197.8	53.95	183.6	51.04
	5.0	4.1	238.0	58.24	224.0	56.30	211.0	54.76	204.4	53.01	197.8	51.45	183.6	48.59
	7.0	6.0	238.0	55.36	224.0	53.65	211.0	52.23	204.4	50.43	197.8	48.93	183.6	46.15
	9.0	7.9	238.0	52.68	224.0	51.05	211.0	49.68	204.4	47.99	197.8	46.56	183.6	43.91
	11.0	9.8	238.0	49.97	224.0	48.44	211.0	47.15	204.4	45.54	197.8	44.19	183.6	41.66
	13.0	11.8	238.0	47.29	224.0	45.83	211.0	44.59	204.4	43.07	197.8	41.80	183.6	39.41
15.0	13.7	238.0	44.60	224.0	43.23	211.0	42.06	204.4	40.64	197.8	39.41	183.6	37.16	
80	-24.8	-25	138.6	69.48	138.6	71.06	137.7	72.19	137.7	72.70	137.7	75.35	135.5	72.13
	-21.8	-22	168.1	71.06	168.1	72.66	168.1	73.76	168.1	75.35	168.1	72.13	164.1	69.04
	-19.8	-20	177.9	72.12	177.9	73.72	177.9	75.35	177.9	73.07	176.2	69.98	164.1	66.97
	-18.8	-19	182.0	72.66	182.0	75.35	182.0	74.20	182.0	71.94	176.4	68.91	164.1	65.93
	-16.7	-17	188.6	75.35	188.6	72.94	188.6	71.78	183.0	69.55	176.4	66.65	164.1	63.76
	-13.7	-15	197.2	71.79	193.3	69.50	188.6	68.31	183.0	66.14	176.4	63.44	164.1	60.67
	-11.8	-13	202.1	69.51	196.1	67.34	188.6	66.12	183.0	63.97	176.4	61.39	164.1	58.72
	-9.8	-11	207.4	67.14	199.0	65.03	188.6	63.82	183.0	61.71	176.4	59.24	164.1	56.65
	-9.5	-10	208.9	66.79	200.1	64.69	188.6	63.48	183.0	61.37	176.4	58.91	164.1	56.35
	-8.5	-9.1	211.1	65.60	201.0	63.55	188.6	62.32	183.0	60.22	176.4	57.84	164.1	55.31
	-7.0	-7.6	213.2	63.81	201.0	61.83	188.6	60.59	183.0	58.51	176.4	56.22	164.1	53.78
	-5.0	-5.6	213.2	61.44	201.0	59.53	188.6	58.27	183.0	56.25	176.4	54.08	164.1	51.70
	-3.0	-3.7	213.2	59.05	201.0	57.24	188.6	55.96	183.0	53.95	176.4	51.93	164.1	49.65
	0.0	-0.7	213.2	55.48	201.0	53.80	188.6	52.51	183.0	50.55	176.4	48.71	164.1	46.54
	3.0	2.2	213.2	51.91	201.0	50.38	188.6	49.05	183.0	47.14	176.4	45.48	164.1	43.46
	5.0	4.1	213.2	49.53	201.0	48.07	188.6	46.75	183.0	44.86	176.4	43.34	164.1	41.38
	7.0	6.0	213.2	47.16	201.0	45.79	188.6	44.44	183.0	42.58	176.4	41.19	164.1	39.33
	9.0	7.9	213.2	44.29	201.0	42.99	188.6	41.73	183.0	39.99	176.4	38.68	164.1	36.92
	11.0	9.8	213.2	41.11	201.0	39.89	188.6	38.72	183.0	37.12	176.4	35.89	164.1	34.26
	13.0	11.8	213.2	38.36	201.0	37.25	188.6	36.15	183.0	34.65	176.4	33.50	164.1	31.99
15.0	13.7	213.2	36.12	201.0	35.06	188.6	34.03	183.0	32.61	176.4	31.54	164.1	30.13	



# 7. Capacity Tables

Heating Capacity (74HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB													
			16		18		20		21		22		24			
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
70	-24.8	-25	138.6	70.26	138.6	70.78	137.7	71.85	137.7	73.44	137.7	69.93	137.7	69.93	135.4	66.68
	-21.8	-22	161.6	71.85	161.6	72.38	160.6	73.44	155.1	69.93	150.5	66.68	140.5	63.50		
	-19.8	-20	177.0	72.90	170.7	73.44	160.6	70.98	155.1	67.61	150.5	64.49	140.5	61.39		
	-18.8	-19	180.6	73.44	170.7	72.16	160.6	69.74	155.1	66.44	150.5	63.41	140.5	60.35		
	-16.7	-17	180.8	70.80	170.7	69.50	160.6	67.18	155.1	64.00	150.5	61.10	140.5	58.14		
	-13.7	-15	180.8	67.05	170.7	65.68	160.6	63.51	155.1	60.49	150.5	57.83	140.5	54.97		
	-11.8	-13	180.8	64.64	170.7	63.28	160.6	61.17	155.1	58.27	150.5	55.77	140.5	52.97		
	-9.8	-11	180.8	62.14	170.7	60.73	160.6	58.71	155.1	55.96	150.5	53.58	140.5	50.85		
	-9.5	-10	180.8	61.77	170.7	60.36	160.6	58.34	155.1	55.60	150.5	53.25	140.5	50.54		
	-8.5	-9.1	180.8	60.52	170.7	59.08	160.6	57.12	155.1	54.44	150.5	52.16	140.5	49.48		
	-7.0	-7.6	180.8	58.63	170.7	57.19	160.6	55.27	155.1	52.68	150.5	50.54	140.5	47.91		
	-5.0	-5.6	180.8	56.11	170.7	54.64	160.6	52.81	155.1	50.35	150.5	48.36	140.5	45.80		
	-3.0	-3.7	180.8	53.60	170.7	52.11	160.6	50.37	155.1	48.01	150.5	46.18	140.5	43.70		
	0.0	-0.7	180.8	49.85	170.7	48.31	160.6	46.68	155.1	44.52	150.5	42.91	140.5	40.52		
	3.0	2.2	180.8	46.08	170.7	44.48	160.6	43.00	155.1	41.03	150.5	39.63	140.5	37.38		
	5.0	4.1	180.8	43.58	170.7	41.95	160.6	40.56	155.1	38.69	150.5	37.45	140.5	35.26		
	7.0	6.0	180.8	41.07	170.7	39.42	160.6	38.10	155.1	36.36	150.5	35.27	140.5	33.16		
	9.0	7.9	180.8	37.09	170.7	35.58	160.6	34.40	155.1	32.84	150.5	31.84	140.5	29.95		
	11.0	9.8	180.8	34.53	170.7	33.14	160.6	32.02	155.1	30.57	150.5	29.66	140.5	27.88		
	13.0	11.8	180.8	32.31	170.7	31.01	160.6	29.96	155.1	28.62	150.5	27.74	140.5	26.09		
15.0	13.7	180.8	30.46	170.7	29.24	160.6	28.25	155.1	26.97	150.5	26.15	140.5	24.58			
60	-24.8	-25	137.8	69.20	137.8	70.26	136.9	71.85	133.1	68.14	128.5	64.66	120.3	61.39		
	-21.8	-22	148.1	70.78	146.8	71.85	137.7	68.14	133.1	64.66	128.5	61.39	120.3	58.23		
	-19.8	-20	155.1	71.85	146.8	69.23	137.7	65.67	133.1	62.34	128.5	59.19	120.3	56.11		
	-18.8	-19	155.1	70.52	146.8	67.92	137.7	64.42	133.1	61.17	128.5	58.12	120.3	55.06		
	-16.7	-17	155.1	67.74	146.8	65.16	137.7	61.83	133.1	58.74	128.5	55.83	120.3	52.87		
	-13.7	-15	155.1	63.80	146.8	61.25	137.7	58.13	133.1	55.26	128.5	52.56	120.3	49.69		
	-11.8	-13	155.1	61.27	146.8	58.75	137.7	55.79	133.1	53.06	128.5	50.48	120.3	47.69		
	-9.8	-11	155.1	58.62	146.8	56.13	137.7	53.29	133.1	50.75	128.5	48.30	120.3	45.58		
	-9.5	-10	155.1	58.23	146.8	55.74	137.7	52.93	133.1	50.39	128.5	47.97	120.3	45.28		
	-8.5	-9.1	155.1	56.90	146.8	54.42	137.7	51.69	133.1	49.24	128.5	46.88	120.3	44.21		
	-7.0	-7.6	155.1	54.94	146.8	52.46	137.7	49.84	133.1	47.50	128.5	45.26	120.3	42.64		
	-5.0	-5.6	155.1	52.29	146.8	49.84	137.7	47.37	133.1	45.18	128.5	43.07	120.3	40.53		
	-3.0	-3.7	155.1	49.64	146.8	47.22	137.7	44.90	133.1	42.85	128.5	40.88	120.3	38.42		
	0.0	-0.7	155.1	45.67	146.8	43.29	137.7	41.18	133.1	39.38	128.5	37.61	120.3	35.26		
	3.0	2.2	155.1	41.72	146.8	39.35	137.7	37.47	133.1	35.91	128.5	34.36	120.3	32.11		
	5.0	4.1	155.1	39.06	146.8	36.73	137.7	35.01	133.1	33.59	128.5	32.17	120.3	29.99		
	7.0	6.0	155.1	36.42	146.8	34.11	137.7	32.52	133.1	31.25	128.5	29.98	120.3	27.88		
	9.0	7.9	155.1	32.49	146.8	30.44	137.7	29.03	133.1	27.88	128.5	26.76	120.3	24.87		
	11.0	9.8	155.1	30.34	146.8	28.42	137.7	27.09	133.1	26.05	128.5	24.99	120.3	23.22		
	13.0	11.8	155.1	28.42	146.8	26.62	137.7	25.38	133.1	24.40	128.5	23.40	120.3	21.77		
15.0	13.7	155.1	26.85	146.8	25.17	137.7	24.00	133.1	23.05	128.5	22.13	120.3	20.57			
50	-24.8	-25	129.4	60.96	122.0	62.56	114.7	59.25	111.0	56.16	107.3	53.24	99.9	50.52		
	-21.8	-22	129.4	62.56	122.0	59.25	114.7	56.16	111.0	53.24	107.3	50.52	99.9	47.89		
	-19.8	-20	129.4	60.25	122.0	57.04	114.7	54.09	111.0	51.28	107.3	48.70	99.9	46.16		
	-18.8	-19	129.4	59.09	122.0	55.94	114.7	53.07	111.0	50.30	107.3	47.79	99.9	45.28		
	-16.7	-17	129.4	56.69	122.0	53.63	114.7	50.91	111.0	48.27	107.3	45.88	99.9	43.44		
	-13.7	-15	129.4	53.22	122.0	50.32	114.7	47.82	111.0	45.34	107.3	43.16	99.9	40.84		
	-11.8	-13	129.4	51.03	122.0	48.23	114.7	45.86	111.0	43.48	107.3	41.44	99.9	39.17		
	-9.8	-11	129.4	48.72	122.0	46.03	114.7	43.80	111.0	41.55	107.3	39.64	99.9	37.42		
	-9.5	-10	129.4	48.38	122.0	45.70	114.7	43.49	111.0	41.25	107.3	39.37	99.9	37.16		
	-8.5	-9.1	129.4	47.23	122.0	44.58	114.7	42.47	111.0	40.27	107.3	38.45	99.9	36.28		
	-7.0	-7.6	129.4	45.52	122.0	42.94	114.7	40.92	111.0	38.82	107.3	37.10	99.9	34.97		
	-5.0	-5.6	129.4	43.20	122.0	40.74	114.7	38.86	111.0	36.87	107.3	35.28	99.9	33.22		
	-3.0	-3.7	129.4	40.90	122.0	38.54	114.7	36.79	111.0	34.91	107.3	33.47	99.9	31.49		
	0.0	-0.7	129.4	37.46	122.0	35.22	114.7	33.69	111.0	32.00	107.3	30.74	99.9	28.86		
	3.0	2.2	129.4	33.99	122.0	31.91	114.7	30.63	111.0	29.07	107.3	28.01	99.9	26.26		
	5.0	4.1	129.4	31.68	122.0	29.71	114.7	28.56	111.0	27.12	107.3	26.22	99.9	24.51		
	7.0	6.0	129.4	29.39	122.0	27.51	114.7	26.50	111.0	25.17	107.3	24.40	99.9	22.76		
	9.0	7.9	129.4	26.53	122.0	24.85	114.7	23.93	111.0	22.72	107.3	22.04	99.9	20.54		
	11.0	9.8	129.4	24.82	122.0	23.25	114.7	22.39	111.0	21.28	107.3	20.62	99.9	19.23		
	13.0	11.8	129.4	23.32	122.0	21.83	114.7	21.01	111.0	19.98	107.3	19.36	99.9	18.06		
15.0	13.7	129.4	22.04	122.0	20.66	114.7	19.89	111.0	18.89	107.3	18.32	99.9	17.09			

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN760BTE5

Heating Capacity (76HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	143.4	79.53	143.4	80.45	142.5	81.24	142.5	82.47	142.5	83.65	140.8	85.47
	-21.8	-22	175.6	81.36	175.6	82.29	174.4	83.10	174.4	84.32	174.4	85.47	172.1	87.33
	-19.8	-20	185.7	82.59	185.7	83.52	184.5	84.32	184.5	85.55	184.5	86.70	182.2	88.54
	-18.8	-19	190.2	83.21	190.2	84.12	189.0	84.92	189.0	86.15	189.0	87.33	186.5	89.17
	-16.7	-17	199.3	84.50	199.3	85.43	198.1	86.21	198.1	87.44	198.1	88.61	195.5	90.45
	-13.7	-15	212.3	86.34	212.3	87.25	211.0	88.06	211.0	89.29	211.0	90.45	208.2	87.07
	-11.8	-13	219.3	87.51	219.3	88.43	218.0	89.22	218.0	90.45	218.0	88.18	216.0	84.91
	-9.8	-11	226.7	88.73	226.7	89.64	225.3	90.45	225.3	88.03	225.3	85.78	223.9	82.65
	-9.5	-10	228.2	88.92	228.2	89.85	226.9	90.08	226.9	87.66	226.9	85.43	225.1	82.32
	-8.5	-9.1	233.8	89.54	233.8	90.45	232.5	88.84	232.5	86.46	230.1	84.22	229.1	81.19
	-7.0	-7.6	242.3	90.45	242.3	88.66	240.6	86.99	240.6	84.64	240.6	82.43	236.8	79.50
	-5.0	-5.6	253.5	88.12	253.5	86.23	251.8	84.52	251.8	82.20	251.8	80.03	245.2	77.24
	-3.0	-3.7	264.7	85.80	264.7	83.83	263.0	82.06	263.0	79.80	263.0	77.64	253.7	74.98
	0.0	-0.7	281.4	82.31	281.4	80.22	279.5	78.35	278.4	76.15	276.2	74.03	266.4	71.59
	3.0	2.2	292.7	78.82	292.7	76.60	291.0	74.65	289.4	72.52	285.7	70.46	267.4	68.20
	5.0	4.1	299.4	76.50	299.4	74.19	298.0	72.17	295.2	70.09	287.1	68.06	267.4	65.94
	7.0	6.0	305.0	74.17	305.0	71.79	303.4	69.70	297.6	67.67	287.1	65.67	267.4	63.69
	9.0	7.9	306.0	72.26	306.0	69.92	305.0	67.91	297.6	65.93	287.1	63.95	267.4	62.04
	11.0	9.8	306.0	70.98	306.0	68.70	305.0	66.70	297.6	64.75	287.1	62.82	267.4	60.94
	13.0	11.8	306.0	69.60	306.0	67.37	305.0	65.40	297.6	63.49	287.1	61.61	267.4	59.77
15.0	13.7	306.0	68.10	306.0	65.91	305.0	64.00	297.6	62.13	287.1	60.28	267.4	58.48	
120	-24.8	-25	142.5	80.45	142.5	81.24	141.5	82.47	141.5	83.65	141.5	85.47	139.8	86.76
	-21.8	-22	174.4	82.29	174.4	83.10	173.2	84.32	173.2	85.47	173.2	87.33	171.1	88.61
	-19.8	-20	184.5	83.52	184.5	84.32	183.2	85.55	183.2	86.70	183.2	88.54	180.9	89.85
	-18.8	-19	188.7	84.12	188.7	84.92	187.5	86.15	187.5	87.33	187.5	89.17	185.2	90.45
	-16.7	-17	197.8	85.43	197.8	86.21	196.6	87.44	196.6	88.61	196.6	90.45	194.0	88.27
	-13.7	-15	210.7	87.25	210.7	88.06	209.4	89.29	209.4	90.45	209.4	87.20	206.7	85.16
	-11.8	-13	217.7	88.43	217.7	89.22	216.4	90.45	216.4	88.15	216.4	85.15	214.4	83.19
	-9.8	-11	225.0	89.64	225.0	90.45	223.7	87.92	223.7	85.75	223.7	82.98	222.3	81.12
	-9.5	-10	226.7	89.85	226.7	90.06	225.4	87.56	225.4	85.37	225.4	82.67	224.0	80.80
	-8.5	-9.1	232.3	90.45	232.3	88.71	230.7	86.29	230.7	84.16	230.2	81.59	228.6	79.75
	-7.0	-7.6	240.6	88.47	240.6	86.72	239.1	84.39	239.1	82.37	237.0	79.96	235.1	78.20
	-5.0	-5.6	251.8	85.83	251.8	84.05	250.1	81.86	250.1	79.95	250.1	77.79	243.6	76.12
	-3.0	-3.7	262.7	83.19	262.7	81.39	261.1	79.34	261.1	77.53	260.2	75.65	250.5	74.06
	0.0	-0.7	279.4	79.22	278.9	77.39	274.9	75.57	272.9	73.90	269.8	72.40	251.1	70.94
	3.0	2.2	290.5	75.25	289.8	73.40	285.1	71.76	278.9	70.27	270.2	69.15	251.1	67.82
	5.0	4.1	297.3	72.61	296.1	70.74	288.5	69.24	278.9	67.85	270.2	66.98	251.1	65.75
	7.0	6.0	302.9	69.96	300.5	68.05	288.5	66.71	278.9	65.45	270.2	64.82	251.1	63.66
	9.0	7.9	303.7	67.98	300.5	66.13	288.5	64.85	278.9	63.59	270.2	62.99	251.1	61.87
	11.0	9.8	303.7	66.60	300.5	64.80	288.5	63.53	278.9	62.31	270.2	61.71	251.1	60.61
	13.0	11.8	303.7	65.12	300.5	63.34	288.5	62.10	278.9	60.91	270.2	60.33	251.1	59.27
15.0	13.7	303.7	63.52	300.5	61.80	288.5	60.58	278.9	59.43	270.2	58.87	251.1	57.81	
110	-24.8	-25	141.7	81.24	141.7	82.47	140.9	83.65	140.9	85.47	140.9	86.76	139.0	87.38
	-21.8	-22	173.5	83.10	173.5	84.32	172.3	85.47	172.3	87.33	172.3	88.61	170.2	89.22
	-19.8	-20	183.5	84.32	183.5	85.55	182.3	86.70	182.3	88.54	182.3	89.85	179.9	90.45
	-18.8	-19	187.7	84.92	187.7	86.15	186.5	87.33	186.5	89.17	186.5	90.45	184.2	89.30
	-16.7	-17	196.8	86.21	196.8	87.44	195.6	88.61	195.6	90.45	195.6	88.09	193.0	86.87
	-13.7	-15	209.6	88.06	209.6	89.29	208.2	90.45	208.2	86.88	208.2	84.70	208.2	83.42
	-11.8	-13	216.5	89.22	216.5	90.45	215.2	87.93	215.2	84.61	215.2	82.57	215.2	81.21
	-9.8	-11	223.8	90.45	223.8	87.60	222.5	85.27	222.5	82.23	222.5	80.32	221.9	78.90
	-9.5	-10	225.4	90.00	225.4	87.17	224.2	84.88	224.2	81.87	224.2	79.98	223.6	78.55
	-8.5	-9.1	231.0	88.47	231.0	85.76	229.6	83.55	229.6	80.67	229.3	78.86	225.4	77.41
	-7.0	-7.6	239.3	86.14	239.3	83.61	237.8	81.54	237.8	78.88	236.3	77.16	226.0	75.67
	-5.0	-5.6	250.3	83.09	250.3	80.77	248.6	78.90	247.6	76.51	241.0	74.91	226.0	73.37
	-3.0	-3.7	261.3	80.02	261.3	77.91	256.6	76.24	250.5	74.13	241.9	72.66	226.0	71.05
	0.0	-0.7	275.9	75.40	272.1	73.65	258.8	72.26	250.5	70.54	241.9	69.29	226.0	67.58
	3.0	2.2	286.3	70.79	275.9	69.38	258.8	68.29	250.5	66.96	241.9	65.90	226.0	64.13
	5.0	4.1	291.9	67.72	275.9	66.53	258.8	65.62	250.5	64.58	241.9	63.65	226.0	61.82
	7.0	6.0	291.9	64.66	275.9	63.68	258.8	62.96	250.5	62.19	241.9	61.40	226.0	59.51
	9.0	7.9	291.9	62.54	275.9	61.59	258.8	60.92	250.5	60.16	241.9	59.40	226.0	57.57
	11.0	9.8	291.9	60.98	275.9	60.05	258.8	59.38	250.5	58.66	241.9	57.91	226.0	56.13
	13.0	11.8	291.9	59.29	275.9	58.41	258.8	57.74	250.5	57.04	241.9	56.31	226.0	54.58
15.0	13.7	291.9	57.51	275.9	56.64	258.8	56.01	250.5	55.33	241.9	54.61	226.0	52.93	

# 7. Capacity Tables

Heating Capacity (76HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	141.1	90.28	141.1	90.30	140.2	85.36	140.2	90.37	140.2	90.38	138.3	90.41
	-21.8	-22	172.5	90.32	172.5	90.34	171.6	88.05	171.6	90.39	171.6	91.68	169.2	90.42
	-19.8	-20	182.6	90.34	182.6	90.37	181.6	89.79	181.6	90.42	181.6	90.87	179.3	90.45
	-18.8	-19	186.9	90.34	185.8	90.38	185.8	90.39	185.8	90.43	185.8	90.45	183.3	89.04
	-16.7	-17	194.7	90.37	194.7	90.40	194.7	91.68	193.7	90.45	193.7	87.52	191.1	86.05
	-13.7	-15	208.6	90.41	208.6	90.44	207.3	90.45	207.3	86.22	207.3	83.36	204.8	81.80
	-11.8	-13	215.5	90.42	214.3	90.45	214.3	87.63	214.3	83.53	214.3	80.71	206.3	79.11
	-9.8	-11	222.5	90.45	222.5	87.28	221.6	84.63	221.6	80.70	219.6	77.92	206.5	76.28
	-9.5	-10	224.2	89.96	224.2	86.80	223.2	84.18	223.2	80.28	220.2	77.51	206.5	75.84
	-8.5	-9.1	229.7	88.28	229.7	85.22	228.7	82.69	229.2	78.87	221.6	76.10	206.5	74.43
	-7.0	-7.6	241.9	85.80	241.0	82.84	236.8	80.45	229.2	76.75	221.6	74.02	206.5	72.30
	-5.0	-5.6	252.5	82.50	249.9	79.67	236.8	77.48	229.2	73.94	221.6	71.24	206.5	69.46
	-3.0	-3.7	259.8	79.17	252.0	76.48	236.8	74.50	229.2	71.11	221.6	68.45	206.5	66.63
	0.0	-0.7	267.1	74.21	252.0	71.73	236.8	70.01	229.2	66.88	221.6	64.27	206.5	62.37
	3.0	2.2	267.1	69.23	252.0	66.97	236.8	65.54	229.2	62.63	221.6	60.11	206.5	58.12
	5.0	4.1	267.1	65.90	252.0	63.80	236.8	62.55	229.2	59.82	221.6	57.31	206.5	55.27
	7.0	6.0	267.1	62.59	252.0	60.63	236.8	59.57	229.2	56.99	221.6	54.54	206.5	52.43
	9.0	7.9	267.1	60.17	252.0	58.28	236.8	57.28	229.2	54.78	221.6	52.42	206.5	50.42
	11.0	9.8	267.1	58.25	252.0	56.44	236.8	55.44	229.2	53.05	221.6	50.75	206.5	48.81
	13.0	11.8	267.1	56.21	252.0	54.46	236.8	53.50	229.2	51.18	221.6	48.98	206.5	47.11
15.0	13.7	267.1	54.06	252.0	52.35	236.8	51.45	229.2	49.22	221.6	47.09	206.5	45.29	
90	-24.8	-25	140.5	80.11	140.5	81.95	139.6	83.25	139.6	83.86	139.6	85.09	137.9	86.91
	-21.8	-22	171.9	81.95	171.9	83.80	171.0	85.09	171.0	85.68	171.0	86.91	168.6	83.23
	-19.8	-20	182.0	83.18	182.0	85.01	180.7	86.31	180.7	86.91	180.7	88.41	178.4	80.76
	-18.8	-19	186.9	83.80	185.8	85.64	185.0	86.91	185.0	85.61	185.0	83.13	182.7	79.52
	-16.7	-17	194.7	85.09	194.7	86.91	193.9	84.24	193.9	82.89	193.9	80.48	187.7	76.92
	-13.7	-15	208.6	86.91	208.6	82.94	206.7	80.41	206.7	78.99	202.1	76.70	188.7	73.22
	-11.8	-13	215.5	84.19	214.3	80.41	213.4	77.98	208.8	76.53	203.2	74.29	188.7	70.87
	-9.8	-11	222.5	81.32	222.5	77.76	215.6	75.42	210.0	73.94	203.2	71.78	188.7	68.42
	-9.5	-10	224.2	80.89	224.2	77.36	216.2	75.04	210.0	73.54	203.2	71.40	188.7	68.05
	-8.5	-9.1	229.7	79.46	228.1	76.03	216.7	73.77	210.0	72.24	203.2	70.14	188.7	66.81
	-7.0	-7.6	241.9	77.31	230.1	74.04	216.7	71.84	210.0	70.29	203.2	68.24	188.7	64.96
	-5.0	-5.6	244.5	74.43	230.1	71.37	216.7	69.28	210.0	67.71	203.2	65.72	188.7	62.49
	-3.0	-3.7	244.5	71.57	230.1	68.73	216.7	66.73	210.0	65.10	203.2	63.18	188.7	60.02
	0.0	-0.7	244.5	67.25	230.1	64.73	216.7	62.89	210.0	61.21	203.2	59.40	188.7	56.31
	3.0	2.2	244.5	62.94	230.1	60.76	216.7	59.07	210.0	57.30	203.2	55.62	188.7	52.62
	5.0	4.1	244.5	60.08	230.1	58.09	216.7	56.51	210.0	54.70	203.2	53.09	188.7	50.15
	7.0	6.0	244.5	57.20	230.1	55.43	216.7	53.96	210.0	52.11	203.2	50.55	188.7	47.68
	9.0	7.9	244.5	54.50	230.1	52.81	216.7	51.39	210.0	49.64	203.2	48.16	188.7	45.42
	11.0	9.8	244.5	51.77	230.1	50.18	216.7	48.85	210.0	47.17	203.2	45.78	188.7	43.16
	13.0	11.8	244.5	49.07	230.1	47.56	216.7	46.27	210.0	44.69	203.2	43.38	188.7	40.89
15.0	13.7	244.5	46.37	230.1	44.94	216.7	43.72	210.0	42.24	203.2	40.97	188.7	38.63	
80	-24.8	-25	139.9	70.26	139.9	72.10	139.0	73.41	139.0	74.00	139.0	77.07	137.3	73.82
	-21.8	-22	170.0	72.10	170.0	73.96	170.0	75.23	170.0	77.07	170.0	73.82	166.8	70.69
	-19.8	-20	180.1	73.33	180.1	75.19	180.1	77.07	180.1	74.77	178.7	71.65	168.6	68.60
	-18.8	-19	184.3	73.96	184.3	77.07	184.3	75.92	184.3	73.63	179.8	70.57	168.6	67.55
	-16.7	-17	191.7	77.07	191.7	74.65	191.7	73.48	187.2	71.22	181.3	68.29	168.6	65.35
	-13.7	-15	202.6	73.50	198.6	71.18	193.8	69.98	188.0	67.78	181.3	65.04	168.6	62.23
	-11.8	-13	207.6	71.20	201.5	69.01	193.8	67.77	188.0	65.59	181.3	62.97	168.6	60.25
	-9.8	-11	212.7	68.82	204.2	66.68	193.8	65.45	188.0	63.30	181.3	60.80	168.6	58.16
	-9.5	-10	214.2	68.47	205.4	66.34	193.8	65.11	188.0	62.96	181.3	60.46	168.6	57.85
	-8.5	-9.1	216.6	67.27	206.5	65.19	193.8	63.93	188.0	61.80	181.3	59.38	168.6	56.80
	-7.0	-7.6	219.0	65.47	206.5	63.46	193.8	62.20	188.0	60.08	181.3	57.74	168.6	55.25
	-5.0	-5.6	219.0	63.08	206.5	61.14	193.8	59.86	188.0	57.79	181.3	55.58	168.6	53.15
	-3.0	-3.7	219.0	60.69	206.5	58.84	193.8	57.53	188.0	55.47	181.3	53.41	168.6	51.08
	0.0	-0.7	219.0	57.09	206.5	55.37	193.8	54.05	188.0	52.04	181.3	50.16	168.6	47.93
	3.0	2.2	219.0	53.50	206.5	51.93	193.8	50.56	188.0	48.60	181.3	46.89	168.6	44.81
	5.0	4.1	219.0	51.10	206.5	49.60	193.8	48.24	188.0	46.29	181.3	44.72	168.6	42.71
	7.0	6.0	219.0	48.72	206.5	47.31	193.8	45.91	188.0	43.99	181.3	42.56	168.6	40.64
	9.0	7.9	219.0	45.75	206.5	44.41	193.8	43.11	188.0	41.31	181.3	39.96	168.6	38.14
	11.0	9.8	219.0	42.47	206.5	41.22	193.8	40.00	188.0	38.35	181.3	37.08	168.6	35.40
	13.0	11.8	219.0	39.63	206.5	38.48	193.8	37.35	188.0	35.79	181.3	34.61	168.6	33.05
15.0	13.7	219.0	37.31	206.5	36.22	193.8	35.15	188.0	33.69	181.3	32.58	168.6	31.12	

# 7. Capacity Tables

Heating Capacity (76HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	139.9	71.25	139.9	71.85	139.0	73.09	139.0	74.93	139.0	71.40	137.2	68.12
	-21.8	-22	164.8	73.09	165.1	73.70	164.0	74.93	159.3	71.40	154.6	68.12	144.3	64.91
	-19.8	-20	179.4	74.31	174.2	74.93	165.0	72.46	159.3	69.06	154.6	65.91	144.3	62.78
	-18.8	-19	183.1	74.93	175.1	73.65	165.0	71.21	159.3	67.88	154.6	64.82	144.3	61.72
	-16.7	-17	185.4	72.28	175.3	70.97	165.0	68.63	159.3	65.42	154.6	62.49	144.3	59.49
	-13.7	-15	185.7	68.51	175.3	67.14	165.0	64.94	159.3	61.88	154.6	59.19	144.3	56.29
	-11.8	-13	185.7	66.10	175.3	64.72	165.0	62.58	159.3	59.65	154.6	57.11	144.3	54.27
	-9.8	-11	185.7	63.59	175.3	62.15	165.0	60.10	159.3	57.32	154.6	54.91	144.3	52.13
	-9.5	-10	185.7	63.21	175.3	61.78	165.0	59.74	159.3	56.95	154.6	54.57	144.3	51.82
	-8.5	-9.1	185.7	61.96	175.3	60.50	165.0	58.51	159.3	55.79	154.6	53.47	144.3	50.75
	-7.0	-7.6	185.7	60.06	175.3	58.59	165.0	56.64	159.3	54.01	154.6	51.84	144.3	49.16
	-5.0	-5.6	185.7	57.53	175.3	56.03	165.0	54.17	159.3	51.66	154.6	49.64	144.3	47.03
	-3.0	-3.7	185.7	55.01	175.3	53.49	165.0	51.71	159.3	49.31	154.6	47.44	144.3	44.90
	0.0	-0.7	185.7	51.25	175.3	49.66	165.0	48.00	159.3	45.79	154.6	44.14	144.3	41.70
	3.0	2.2	185.7	47.46	175.3	45.81	165.0	44.29	159.3	42.27	154.6	40.83	144.3	38.52
	5.0	4.1	185.7	44.95	175.3	43.27	165.0	41.83	159.3	39.91	154.6	38.64	144.3	36.38
	7.0	6.0	185.7	42.43	175.3	40.72	165.0	39.36	159.3	37.57	154.6	36.44	144.3	34.26
	9.0	7.9	185.7	38.31	175.3	36.76	165.0	35.54	159.3	33.93	154.6	32.90	144.3	30.94
	11.0	9.8	185.7	35.67	175.3	34.24	165.0	33.09	159.3	31.58	154.6	30.64	144.3	28.81
	13.0	11.8	185.7	33.38	175.3	32.04	165.0	30.95	159.3	29.57	154.6	28.66	144.3	26.95
15.0	13.7	185.7	31.47	175.3	30.21	165.0	29.18	159.3	27.87	154.6	27.01	144.3	25.40	
60	-24.8	-25	139.3	70.02	139.3	71.25	138.4	73.09	135.4	69.36	131.7	65.87	123.6	62.57
	-21.8	-22	151.2	71.85	150.8	73.09	141.5	69.36	136.7	65.87	132.0	62.57	123.6	59.39
	-19.8	-20	159.3	73.09	150.8	70.46	141.5	66.89	136.7	63.54	132.0	60.37	123.6	57.26
	-18.8	-19	159.3	71.76	150.8	69.15	141.5	65.63	136.7	62.36	132.0	59.28	123.6	56.20
	-16.7	-17	159.3	68.98	150.8	66.38	141.5	63.02	136.7	59.92	132.0	56.98	123.6	53.99
	-13.7	-15	159.3	65.03	150.8	62.45	141.5	59.31	136.7	56.41	132.0	53.69	123.6	50.79
	-11.8	-13	159.3	62.50	150.8	59.95	141.5	56.96	136.7	54.20	132.0	51.60	123.6	48.77
	-9.8	-11	159.3	59.85	150.8	57.32	141.5	54.45	136.7	51.88	132.0	49.40	123.6	46.65
	-9.5	-10	159.3	59.45	150.8	56.93	141.5	54.09	136.7	51.52	132.0	49.07	123.6	46.34
	-8.5	-9.1	159.3	58.12	150.8	55.61	141.5	52.85	136.7	50.37	132.0	47.98	123.6	45.26
	-7.0	-7.6	159.3	56.16	150.8	53.64	141.5	50.98	136.7	48.62	132.0	46.35	123.6	43.68
	-5.0	-5.6	159.3	53.51	150.8	51.02	141.5	48.51	136.7	46.29	132.0	44.14	123.6	41.56
	-3.0	-3.7	159.3	50.86	150.8	48.39	141.5	46.03	136.7	43.95	132.0	41.94	123.6	39.43
	0.0	-0.7	159.3	46.88	150.8	44.44	141.5	42.29	136.7	40.46	132.0	38.65	123.6	36.25
	3.0	2.2	159.3	42.93	150.8	40.50	141.5	38.57	136.7	36.97	132.0	35.38	123.6	33.07
	5.0	4.1	159.3	40.27	150.8	37.87	141.5	36.10	136.7	34.64	132.0	33.18	123.6	30.93
	7.0	6.0	159.3	37.63	150.8	35.24	141.5	33.60	136.7	32.28	132.0	30.98	123.6	28.81
	9.0	7.9	159.3	33.56	150.8	31.45	141.5	30.00	136.7	28.81	132.0	27.65	123.6	25.70
	11.0	9.8	159.3	31.34	150.8	29.36	141.5	27.99	136.7	26.91	132.0	25.82	123.6	23.99
	13.0	11.8	159.3	29.36	150.8	27.50	141.5	26.22	136.7	25.21	132.0	24.18	123.6	22.49
15.0	13.7	159.3	27.74	150.8	26.01	141.5	24.79	136.7	23.81	132.0	22.86	123.6	21.25	
50	-24.8	-25	132.9	62.14	125.3	64.00	117.9	60.63	114.1	57.49	110.3	54.53	102.7	51.76
	-21.8	-22	132.9	64.00	125.3	60.63	117.9	57.49	114.1	54.53	110.3	51.76	102.7	49.08
	-19.8	-20	132.9	61.65	125.3	58.39	117.9	55.40	114.1	52.54	110.3	49.92	102.7	47.32
	-18.8	-19	132.9	60.48	125.3	57.27	117.9	54.35	114.1	51.54	110.3	48.99	102.7	46.44
	-16.7	-17	132.9	58.04	125.3	54.93	117.9	52.16	114.1	49.48	110.3	47.05	102.7	44.56
	-13.7	-15	132.9	54.52	125.3	51.57	117.9	49.02	114.1	46.50	110.3	44.28	102.7	41.91
	-11.8	-13	132.9	52.31	125.3	49.45	117.9	47.04	114.1	44.61	110.3	42.53	102.7	40.22
	-9.8	-11	132.9	49.96	125.3	47.22	117.9	44.94	114.1	42.65	110.3	40.70	102.7	38.43
	-9.5	-10	132.9	49.62	125.3	46.89	117.9	44.63	114.1	42.34	110.3	40.43	102.7	38.17
	-8.5	-9.1	132.9	48.45	125.3	45.75	117.9	43.59	114.1	41.35	110.3	39.50	102.7	37.27
	-7.0	-7.6	132.9	46.71	125.3	44.08	117.9	42.02	114.1	39.87	110.3	38.12	102.7	35.94
	-5.0	-5.6	132.9	44.37	125.3	41.85	117.9	39.93	114.1	37.90	110.3	36.27	102.7	34.16
	-3.0	-3.7	132.9	42.03	125.3	39.61	117.9	37.83	114.1	35.90	110.3	34.42	102.7	32.40
	0.0	-0.7	132.9	38.54	125.3	36.25	117.9	34.68	114.1	32.94	110.3	31.65	102.7	29.72
	3.0	2.2	132.9	35.02	125.3	32.89	117.9	31.57	114.1	29.97	110.3	28.88	102.7	27.07
	5.0	4.1	132.9	32.69	125.3	30.66	117.9	29.47	114.1	27.98	110.3	27.06	102.7	25.29
	7.0	6.0	132.9	30.36	125.3	28.42	117.9	27.38	114.1	26.01	110.3	25.20	102.7	23.51
	9.0	7.9	132.9	27.41	125.3	25.67	117.9	24.73	114.1	23.48	110.3	22.77	102.7	21.22
	11.0	9.8	132.9	25.65	125.3	24.02	117.9	23.13	114.1	21.98	110.3	21.30	102.7	19.87
	13.0	11.8	132.9	24.09	125.3	22.56	117.9	21.71	114.1	20.64	110.3	20.00	102.7	18.66
15.0	13.7	132.9	22.77	125.3	21.34	117.9	20.55	114.1	19.51	110.3	18.93	102.7	17.65	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN780BTE5

Heating Capacity (78HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	152.0	83.71	152.0	84.50	151.0	85.15	151.0	86.18	151.0	87.18	148.6	88.71
	-21.8	-22	184.6	85.26	184.6	86.04	183.3	86.71	183.3	87.74	183.3	88.71	180.2	90.27
	-19.8	-20	194.5	86.29	194.5	87.07	193.2	87.74	193.2	88.78	193.2	89.74	190.0	91.28
	-18.8	-19	198.9	86.81	198.9	87.57	197.6	88.25	197.6	89.28	197.6	90.27	194.2	91.81
	-16.7	-17	207.9	87.89	207.9	88.67	206.5	89.33	206.5	90.36	206.5	91.34	203.0	92.88
	-13.7	-15	220.7	89.43	220.7	90.20	219.3	90.88	219.3	91.91	219.3	92.88	215.6	89.27
	-11.8	-13	227.8	90.42	227.8	91.20	226.5	91.85	226.5	92.88	226.5	90.45	223.5	86.96
	-9.8	-11	235.4	91.45	235.4	92.21	234.0	92.88	234.0	90.27	234.0	87.87	231.6	84.55
	-9.5	-10	236.7	91.60	236.7	92.38	235.4	92.49	235.4	89.87	235.0	87.49	232.9	84.20
	-8.5	-9.1	241.5	92.12	241.5	92.88	240.2	91.13	240.2	88.58	238.9	86.20	236.9	82.98
	-7.0	-7.6	248.7	92.88	248.7	90.92	247.1	89.13	247.1	86.61	247.1	84.27	243.6	81.17
	-5.0	-5.6	258.3	90.30	258.3	88.27	256.6	86.44	256.6	83.98	256.6	81.70	251.8	78.76
	-3.0	-3.7	267.8	87.73	267.8	85.63	266.1	83.77	266.1	81.38	266.1	79.12	260.2	76.35
	0.0	-0.7	282.0	83.87	282.0	81.68	280.2	79.73	280.2	77.44	280.2	75.25	272.6	72.71
	3.0	2.2	296.4	80.00	296.4	77.71	294.4	75.71	294.4	73.53	292.9	71.41	274.5	69.09
	5.0	4.1	305.2	77.43	305.2	75.08	303.6	73.02	302.4	70.90	294.8	68.83	274.5	66.68
	7.0	6.0	313.0	74.85	313.0	72.44	311.1	70.33	305.5	68.29	294.8	66.26	274.5	64.26
	9.0	7.9	314.2	72.71	314.2	70.36	313.2	68.33	305.5	66.34	294.8	64.35	274.5	62.43
	11.0	9.8	314.2	71.21	314.2	68.92	313.2	66.91	305.5	64.96	294.8	63.01	274.5	61.13
	13.0	11.8	314.2	69.59	314.2	67.35	313.2	65.39	305.5	63.48	294.8	61.60	274.5	59.75
15.0	13.7	314.2	67.85	314.2	65.66	313.2	63.75	305.5	61.89	294.8	60.05	274.5	58.25	
120	-24.8	-25	151.0	84.50	151.0	85.15	150.0	86.18	150.0	87.18	150.0	88.71	147.6	89.79
	-21.8	-22	183.3	86.04	183.3	86.71	182.0	87.74	182.0	88.71	182.0	90.27	179.1	91.34
	-19.8	-20	193.1	87.07	193.1	87.74	191.8	88.78	191.8	89.74	191.8	91.28	188.7	92.38
	-18.8	-19	197.3	87.57	197.3	88.25	196.0	89.28	196.0	90.27	196.0	91.81	192.9	92.88
	-16.7	-17	206.3	88.67	206.3	89.33	205.0	90.36	205.0	91.34	205.0	92.88	201.5	90.56
	-13.7	-15	219.0	90.20	219.0	90.88	217.7	91.91	217.7	92.88	217.7	89.40	214.0	87.23
	-11.8	-13	226.2	91.20	226.2	91.85	224.8	92.88	224.8	90.41	224.8	87.20	221.9	85.12
	-9.8	-11	233.7	92.21	233.7	92.88	232.4	90.16	232.4	87.84	232.4	84.88	230.0	82.91
	-9.5	-10	235.1	92.38	235.1	92.46	233.8	89.77	233.8	87.44	233.8	84.54	231.4	82.56
	-8.5	-9.1	239.9	92.88	239.9	91.01	238.3	88.40	238.3	86.14	238.1	83.38	235.5	81.45
	-7.0	-7.6	247.0	90.74	247.0	88.85	245.4	86.36	245.4	84.21	244.8	81.64	241.9	79.79
	-5.0	-5.6	256.5	87.86	256.5	85.97	254.9	83.64	254.9	81.61	254.9	79.32	250.2	77.57
	-3.0	-3.7	265.9	84.98	265.9	83.09	264.2	80.92	264.2	79.01	264.2	77.01	257.0	75.36
	0.0	-0.7	280.1	80.67	280.1	78.76	278.2	76.85	278.2	75.12	277.0	73.53	257.8	72.02
	3.0	2.2	294.2	76.35	294.2	74.45	291.5	72.76	286.3	71.22	277.4	70.05	257.8	68.69
	5.0	4.1	303.1	73.48	302.6	71.57	296.2	70.04	286.3	68.62	277.4	67.73	257.8	66.47
	7.0	6.0	310.8	70.59	308.5	68.67	296.2	67.32	286.3	66.05	277.4	65.40	257.8	64.24
	9.0	7.9	311.8	68.41	308.5	66.55	296.2	65.26	286.3	64.00	277.4	63.39	257.8	62.27
	11.0	9.8	311.8	66.83	308.5	65.03	296.2	63.75	286.3	62.53	277.4	61.92	257.8	60.82
	13.0	11.8	311.8	65.14	308.5	63.36	296.2	62.12	286.3	60.93	277.4	60.35	257.8	59.29
15.0	13.7	311.8	63.32	308.5	61.61	296.2	60.40	286.3	59.25	277.4	58.68	257.8	57.63	
110	-24.8	-25	150.2	85.15	150.2	86.18	149.3	87.18	149.3	88.71	149.3	89.79	146.7	90.31
	-21.8	-22	182.4	86.71	182.4	87.74	181.1	88.71	181.1	90.27	181.1	91.34	178.2	91.85
	-19.8	-20	192.1	87.74	192.1	88.78	190.9	89.74	190.9	91.28	190.9	92.38	187.6	92.88
	-18.8	-19	196.3	88.25	196.3	89.28	195.0	90.27	195.0	91.81	195.0	92.88	191.8	91.67
	-16.7	-17	205.2	89.33	205.2	90.36	203.9	91.34	203.9	92.88	203.9	90.38	200.4	89.09
	-13.7	-15	217.8	90.88	217.8	91.91	216.4	92.88	216.4	89.08	216.4	86.77	216.4	85.43
	-11.8	-13	225.0	91.85	225.0	92.88	223.5	90.20	223.5	86.66	223.5	84.50	223.5	83.08
	-9.8	-11	232.4	92.88	232.4	89.84	231.1	87.36	231.1	84.12	231.1	82.10	229.8	80.63
	-9.5	-10	233.8	92.40	233.8	89.38	232.5	86.94	232.5	83.74	232.5	81.74	231.7	80.26
	-8.5	-9.1	238.6	90.76	238.6	87.87	237.2	85.51	237.2	82.46	237.2	80.55	232.0	79.05
	-7.0	-7.6	245.7	88.27	245.7	85.58	244.1	83.38	244.1	80.56	244.1	78.74	232.0	77.20
	-5.0	-5.6	255.0	84.99	255.0	82.54	253.3	80.56	253.3	78.02	248.3	76.34	232.0	74.76
	-3.0	-3.7	264.4	81.71	264.4	79.48	262.7	77.71	257.2	75.48	248.3	73.94	232.0	72.30
	0.0	-0.7	278.5	76.76	278.1	74.92	265.7	73.46	257.2	71.66	248.3	70.35	232.0	68.61
	3.0	2.2	292.1	71.81	283.3	70.35	265.7	69.22	257.2	67.84	248.3	66.75	232.0	64.95
	5.0	4.1	299.7	68.53	283.3	67.30	265.7	66.37	257.2	65.30	248.3	64.36	232.0	62.50
	7.0	6.0	299.7	65.25	283.3	64.26	265.7	63.53	257.2	62.76	248.3	61.96	232.0	60.05
	9.0	7.9	299.7	62.94	283.3	61.99	265.7	61.32	257.2	60.55	248.3	59.79	232.0	57.94
	11.0	9.8	299.7	61.20	283.3	60.27	265.7	59.59	257.2	58.87	248.3	58.12	232.0	56.33
	13.0	11.8	299.7	59.32	283.3	58.44	265.7	57.77	257.2	57.08	248.3	56.34	232.0	54.61
15.0	13.7	299.7	57.34	283.3	56.47	265.7	55.84	257.2	55.17	248.3	54.45	232.0	52.78	

# 7. Capacity Tables

Heating Capacity (78HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	149.5	93.40	149.5	93.33	148.6	88.01	148.6	93.18	148.6	93.09	146.0	93.08
	-21.8	-22	181.4	93.30	181.4	93.24	180.4	90.79	180.4	93.06	180.4	94.14	177.2	92.95
	-19.8	-20	191.2	93.24	191.2	93.17	190.1	92.56	190.1	93.00	190.1	93.32	187.0	92.88
	-18.8	-19	195.4	93.19	194.3	93.14	194.3	93.06	194.3	92.97	194.3	92.88	190.9	91.40
	-16.7	-17	203.0	93.12	203.0	93.06	203.0	94.14	202.0	92.88	202.0	89.80	198.5	88.26
	-13.7	-15	216.8	93.03	216.8	92.96	215.5	92.88	215.5	88.41	215.5	85.41	212.0	83.80
	-11.8	-13	223.9	92.95	222.6	92.88	222.6	89.89	222.6	85.57	222.6	82.62	212.0	80.96
	-9.8	-11	231.1	92.88	231.1	89.52	230.2	86.71	230.2	82.58	227.5	79.68	212.0	77.98
	-9.5	-10	232.5	92.36	232.5	89.01	231.5	86.23	231.5	82.14	227.5	79.24	212.0	77.52
	-8.5	-9.1	237.3	90.58	237.3	87.33	236.2	84.65	235.3	80.64	227.5	77.76	212.0	76.04
	-7.0	-7.6	248.3	87.93	247.4	84.80	243.1	82.27	235.3	78.40	227.5	75.57	212.0	73.80
	-5.0	-5.6	259.2	84.40	256.6	81.42	243.1	79.12	235.3	75.43	227.5	72.64	212.0	70.82
	-3.0	-3.7	266.7	80.85	258.7	78.03	243.1	75.96	235.3	72.43	227.5	69.70	212.0	67.84
	0.0	-0.7	274.2	75.55	258.7	72.98	243.1	71.19	235.3	67.96	227.5	65.29	212.0	63.36
	3.0	2.2	274.2	70.24	258.7	67.92	243.1	66.45	235.3	63.47	227.5	60.90	212.0	58.89
	5.0	4.1	274.2	66.69	258.7	64.55	243.1	63.27	235.3	60.50	227.5	57.95	212.0	55.89
	7.0	6.0	274.2	63.16	258.7	61.18	243.1	60.11	235.3	57.50	227.5	55.03	212.0	52.91
9.0	7.9	274.2	60.46	258.7	58.56	243.1	57.55	235.3	55.04	227.5	52.67	212.0	50.65	
11.0	9.8	274.2	58.25	258.7	56.44	243.1	55.44	235.3	53.05	227.5	50.75	212.0	48.81	
13.0	11.8	274.2	55.91	258.7	54.17	243.1	53.22	235.3	50.91	227.5	48.71	212.0	46.86	
15.0	13.7	274.2	53.45	258.7	51.76	243.1	50.88	235.3	48.66	227.5	46.56	212.0	44.78	
90	-24.8	-25	148.9	83.54	148.9	85.08	148.0	86.17	148.0	86.68	148.0	87.72	145.6	89.25
	-21.8	-22	180.7	85.08	180.7	86.64	179.7	87.72	179.7	88.22	179.7	89.25	176.5	85.39
	-19.8	-20	190.5	86.12	190.5	87.65	189.2	88.75	189.2	89.25	189.2	86.61	186.1	82.79
	-18.8	-19	195.4	86.64	194.3	88.18	193.4	89.25	193.4	87.88	193.4	85.27	190.2	81.49
	-16.7	-17	203.0	87.72	203.0	89.25	202.2	86.43	202.2	85.01	202.2	82.49	193.7	78.77
	-13.7	-15	216.8	89.25	216.8	85.05	214.8	82.38	214.8	80.90	208.7	78.51	193.7	74.89
	-11.8	-13	223.9	86.35	222.6	82.36	221.7	79.82	215.6	78.31	208.7	75.97	193.7	72.43
	-9.8	-11	231.1	83.32	231.1	79.56	222.5	77.11	215.6	75.58	208.7	73.33	193.7	69.86
	-9.5	-10	232.5	82.86	232.5	79.14	222.5	76.71	215.6	75.16	208.7	72.94	193.7	69.47
	-8.5	-9.1	237.3	81.34	235.6	77.73	222.5	75.36	215.6	73.79	208.7	71.61	193.7	68.17
	-7.0	-7.6	248.3	79.06	236.2	75.63	222.5	73.33	215.6	71.73	208.7	69.61	193.7	66.23
	-5.0	-5.6	251.0	76.00	236.2	72.80	222.5	70.62	215.6	69.02	208.7	66.96	193.7	63.64
	-3.0	-3.7	251.0	72.97	236.2	70.01	222.5	67.93	215.6	66.27	208.7	64.29	193.7	61.05
	0.0	-0.7	251.0	68.38	236.2	65.78	222.5	63.88	215.6	62.17	208.7	60.31	193.7	57.16
	3.0	2.2	251.0	63.81	236.2	61.57	222.5	59.85	215.6	58.05	208.7	56.34	193.7	53.29
	5.0	4.1	251.0	60.78	236.2	58.75	222.5	57.14	215.6	55.31	208.7	53.68	193.7	50.70
	7.0	6.0	251.0	57.72	236.2	55.93	222.5	54.45	215.6	52.58	208.7	51.01	193.7	48.11
9.0	7.9	251.0	54.86	236.2	53.17	222.5	51.74	215.6	49.98	208.7	48.49	193.7	45.73	
11.0	9.8	251.0	51.99	236.2	50.39	222.5	49.05	215.6	47.37	208.7	45.97	193.7	43.34	
13.0	11.8	251.0	49.13	236.2	47.62	222.5	46.33	215.6	44.75	208.7	43.43	193.7	40.95	
15.0	13.7	251.0	46.28	236.2	44.85	222.5	43.64	215.6	42.16	208.7	40.89	193.7	38.56	
80	-24.8	-25	148.2	73.42	148.2	74.97	147.3	76.07	147.3	76.57	147.3	79.14	144.9	75.73
	-21.8	-22	178.8	74.97	178.8	76.53	178.8	77.60	178.8	79.14	178.8	75.73	173.1	72.46
	-19.8	-20	188.5	76.00	188.5	77.56	188.5	79.14	188.5	76.73	185.9	73.46	173.1	70.27
	-18.8	-19	192.7	76.53	192.7	79.14	192.7	77.93	192.2	75.53	186.1	72.32	173.1	69.17
	-16.7	-17	198.9	79.14	198.9	76.58	198.9	75.36	193.0	72.99	186.1	69.93	173.1	66.87
	-13.7	-15	208.0	75.36	203.9	72.93	198.9	71.67	193.0	69.38	186.1	66.52	173.1	63.60
	-11.8	-13	213.5	72.94	207.2	70.63	198.9	69.35	193.0	67.08	186.1	64.35	173.1	61.53
	-9.8	-11	219.1	70.41	210.0	68.18	198.9	66.90	193.0	64.67	186.1	62.07	173.1	59.34
	-9.5	-10	220.6	70.04	211.2	67.82	198.9	66.54	193.0	64.32	186.1	61.72	173.1	59.02
	-8.5	-9.1	222.8	68.77	212.0	66.61	198.9	65.31	193.0	63.10	186.1	60.58	173.1	57.92
	-7.0	-7.6	224.8	66.87	212.0	64.78	198.9	63.48	193.0	61.29	186.1	58.87	173.1	56.30
	-5.0	-5.6	224.8	64.35	212.0	62.34	198.9	61.01	193.0	58.89	186.1	56.60	173.1	54.10
	-3.0	-3.7	224.8	61.81	212.0	59.91	198.9	58.56	193.0	56.45	186.1	54.32	173.1	51.93
	0.0	-0.7	224.8	58.01	212.0	56.25	198.9	54.90	193.0	52.84	186.1	50.91	173.1	48.64
	3.0	2.2	224.8	54.22	212.0	52.61	198.9	51.22	193.0	49.23	186.1	47.49	173.1	45.37
	5.0	4.1	224.8	51.68	212.0	50.16	198.9	48.78	193.0	46.80	186.1	45.22	173.1	43.18
	7.0	6.0	224.8	49.16	212.0	47.74	198.9	46.32	193.0	44.39	186.1	42.94	173.1	41.00
9.0	7.9	224.8	46.17	212.0	44.82	198.9	43.50	193.0	41.69	186.1	40.32	173.1	38.49	
11.0	9.8	224.8	42.85	212.0	41.59	198.9	40.36	193.0	38.70	186.1	37.41	173.1	35.72	
13.0	11.8	224.8	39.99	212.0	38.83	198.9	37.69	193.0	36.12	186.1	34.92	173.1	33.35	
15.0	13.7	224.8	37.65	212.0	36.55	198.9	35.47	193.0	33.99	186.1	32.88	173.1	31.41	



# 7. Capacity Tables

Heating Capacity (78HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	148.2	74.05	148.2	74.55	147.3	75.59	147.3	77.15	147.3	73.43	143.9	69.99
	-21.8	-22	170.5	75.59	170.5	76.12	169.4	77.15	163.6	73.43	158.7	69.99	148.1	66.64
	-19.8	-20	185.2	76.63	180.0	77.15	169.4	74.54	163.6	70.98	158.7	67.68	148.1	64.41
	-18.8	-19	189.2	77.15	180.0	75.79	169.4	73.23	163.6	69.74	158.7	66.53	148.1	63.31
	-16.7	-17	190.7	74.35	180.0	72.97	169.4	70.52	163.6	67.16	158.7	64.10	148.1	60.97
	-13.7	-15	190.7	70.37	180.0	68.93	169.4	66.63	163.6	63.44	158.7	60.64	148.1	57.62
	-11.8	-13	190.7	67.81	180.0	66.38	169.4	64.15	163.6	61.09	158.7	58.45	148.1	55.51
	-9.8	-11	190.7	65.16	180.0	63.68	169.4	61.54	163.6	58.65	158.7	56.14	148.1	53.27
	-9.5	-10	190.7	64.77	180.0	63.29	169.4	61.16	163.6	58.27	158.7	55.78	148.1	52.94
	-8.5	-9.1	190.7	63.45	180.0	61.94	169.4	59.87	163.6	57.04	158.7	54.63	148.1	51.82
	-7.0	-7.6	190.7	61.44	180.0	59.93	169.4	57.90	163.6	55.18	158.7	52.92	148.1	50.16
	-5.0	-5.6	190.7	58.77	180.0	57.23	169.4	55.30	163.6	52.71	158.7	50.62	148.1	47.93
	-3.0	-3.7	190.7	56.11	180.0	54.54	169.4	52.71	163.6	50.24	158.7	48.31	148.1	45.71
	0.0	-0.7	190.7	52.13	180.0	50.51	169.4	48.80	163.6	46.54	158.7	44.85	148.1	42.35
	3.0	2.2	190.7	48.13	180.0	46.46	169.4	44.90	163.6	42.85	158.7	41.38	148.1	39.03
	5.0	4.1	190.7	45.48	180.0	43.78	169.4	42.32	163.6	40.37	158.7	39.08	148.1	36.79
	7.0	6.0	190.7	42.81	180.0	41.09	169.4	39.71	163.6	37.91	158.7	36.77	148.1	34.57
	9.0	7.9	190.7	38.66	180.0	37.10	169.4	35.86	163.6	34.23	158.7	33.20	148.1	31.22
	11.0	9.8	190.7	35.99	180.0	34.55	169.4	33.39	163.6	31.87	158.7	30.92	148.1	29.07
	13.0	11.8	190.7	33.69	180.0	32.33	169.4	31.23	163.6	29.84	158.7	28.92	148.1	27.19
15.0	13.7	190.7	31.75	180.0	30.48	169.4	29.45	163.6	28.12	158.7	27.26	148.1	25.63	
60	-24.8	-25	145.4	73.02	145.4	74.05	144.5	75.59	140.3	71.66	135.5	67.98	126.9	64.51
	-21.8	-22	156.2	74.55	154.8	75.59	145.3	71.66	140.3	67.98	135.5	64.51	126.9	61.18
	-19.8	-20	163.6	75.59	154.8	72.82	145.3	69.05	140.3	65.52	135.5	62.19	126.9	58.93
	-18.8	-19	163.6	74.19	154.8	71.43	145.3	67.72	140.3	64.28	135.5	61.05	126.9	57.82
	-16.7	-17	163.6	71.24	154.8	68.50	145.3	64.97	140.3	61.71	135.5	58.63	126.9	55.50
	-13.7	-15	163.6	67.04	154.8	64.35	145.3	61.05	140.3	58.01	135.5	55.16	126.9	52.14
	-11.8	-13	163.6	64.36	154.8	61.70	145.3	58.57	140.3	55.68	135.5	52.96	126.9	50.02
	-9.8	-11	163.6	61.55	154.8	58.92	145.3	55.92	140.3	53.24	135.5	50.65	126.9	47.79
	-9.5	-10	163.6	61.13	154.8	58.51	145.3	55.54	140.3	52.86	135.5	50.31	126.9	47.47
	-8.5	-9.1	163.6	59.72	154.8	57.10	145.3	54.23	140.3	51.64	135.5	49.15	126.9	46.34
	-7.0	-7.6	163.6	57.64	154.8	55.03	145.3	52.26	140.3	49.80	135.5	47.44	126.9	44.67
	-5.0	-5.6	163.6	54.82	154.8	52.25	145.3	49.65	140.3	47.34	135.5	45.11	126.9	42.45
	-3.0	-3.7	163.6	52.01	154.8	49.47	145.3	47.02	140.3	44.87	135.5	42.80	126.9	40.21
	0.0	-0.7	163.6	47.79	154.8	45.30	145.3	43.08	140.3	41.20	135.5	39.33	126.9	36.88
	3.0	2.2	163.6	43.59	154.8	41.12	145.3	39.15	140.3	37.51	135.5	35.89	126.9	33.54
	5.0	4.1	163.6	40.78	154.8	38.34	145.3	36.54	140.3	35.05	135.5	33.57	126.9	31.29
	7.0	6.0	163.6	37.97	154.8	35.56	145.3	33.91	140.3	32.58	135.5	31.26	126.9	29.07
	9.0	7.9	163.6	33.87	154.8	31.74	145.3	30.27	140.3	29.07	135.5	27.90	126.9	25.93
	11.0	9.8	163.6	31.63	154.8	29.63	145.3	28.25	140.3	27.15	135.5	26.05	126.9	24.21
	13.0	11.8	163.6	29.63	154.8	27.75	145.3	26.46	140.3	25.43	135.5	24.40	126.9	22.70
15.0	13.7	163.6	27.99	154.8	26.24	145.3	25.02	140.3	24.03	135.5	23.07	126.9	21.45	
50	-24.8	-25	136.4	64.15	128.6	65.71	121.0	62.21	117.1	58.95	113.2	55.87	105.4	53.00
	-21.8	-22	136.4	65.71	128.6	62.21	121.0	58.95	117.1	55.87	113.2	53.00	105.4	50.22
	-19.8	-20	136.4	63.27	128.6	59.88	121.0	56.77	117.1	53.80	113.2	51.08	105.4	48.40
	-18.8	-19	136.4	62.05	128.6	58.72	121.0	55.68	117.1	52.77	113.2	50.12	105.4	47.48
	-16.7	-17	136.4	59.50	128.6	56.28	121.0	53.40	117.1	50.62	113.2	48.10	105.4	45.53
	-13.7	-15	136.4	55.83	128.6	52.78	121.0	50.14	117.1	47.53	113.2	45.24	105.4	42.79
	-11.8	-13	136.4	53.52	128.6	50.57	121.0	48.07	117.1	45.57	113.2	43.42	105.4	41.03
	-9.8	-11	136.4	51.08	128.6	48.25	121.0	45.89	117.1	43.53	113.2	41.51	105.4	39.19
	-9.5	-10	136.4	50.72	128.6	47.90	121.0	45.57	117.1	43.21	113.2	41.23	105.4	38.91
	-8.5	-9.1	136.4	49.50	128.6	46.72	121.0	44.49	117.1	42.18	113.2	40.27	105.4	37.98
	-7.0	-7.6	136.4	47.69	128.6	44.98	121.0	42.86	117.1	40.65	113.2	38.84	105.4	36.60
	-5.0	-5.6	136.4	45.24	128.6	42.66	121.0	40.68	117.1	38.59	113.2	36.91	105.4	34.76
	-3.0	-3.7	136.4	42.81	128.6	40.33	121.0	38.50	117.1	36.52	113.2	35.00	105.4	32.93
	0.0	-0.7	136.4	39.17	128.6	36.82	121.0	35.23	117.1	33.44	113.2	32.13	105.4	30.16
	3.0	2.2	136.4	35.50	128.6	33.33	121.0	31.98	117.1	30.36	113.2	29.25	105.4	27.42
	5.0	4.1	136.4	33.06	128.6	31.01	121.0	29.80	117.1	28.30	113.2	27.36	105.4	25.57
	7.0	6.0	136.4	30.64	128.6	28.68	121.0	27.62	117.1	26.24	113.2	25.43	105.4	23.72
	9.0	7.9	136.4	27.66	128.6	25.90	121.0	24.95	117.1	23.69	113.2	22.98	105.4	21.41
	11.0	9.8	136.4	25.88	128.6	24.24	121.0	23.34	117.1	22.18	113.2	21.49	105.4	20.05
	13.0	11.8	136.4	24.31	128.6	22.76	121.0	21.90	117.1	20.82	113.2	20.18	105.4	18.82
15.0	13.7	136.4	22.98	128.6	21.53	121.0	20.74	117.1	19.69	113.2	19.10	105.4	17.81	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN800BTE5

Heating Capacity (80HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	154.2	88.30	154.2	89.03	153.2	89.64	153.2	90.61	153.2	91.55	150.8	92.99
	-21.8	-22	188.4	89.74	188.4	90.48	187.1	91.11	187.1	92.08	187.1	92.99	183.9	94.46
	-19.8	-20	199.1	90.71	199.1	91.45	197.7	92.08	197.7	93.05	197.7	93.96	194.5	95.40
	-18.8	-19	203.6	91.20	203.6	91.92	202.3	92.55	202.3	93.52	202.3	94.46	198.8	95.90
	-16.7	-17	213.0	92.22	213.0	92.95	211.7	93.57	211.7	94.54	211.7	95.46	208.1	96.91
	-13.7	-15	226.4	93.67	226.4	94.39	225.1	95.02	225.1	95.99	225.1	96.91	221.2	93.25
	-11.8	-13	233.8	94.59	233.8	95.32	232.4	95.94	232.4	96.91	232.4	94.45	229.5	90.92
	-9.8	-11	241.5	95.56	241.5	96.27	240.1	96.91	240.1	94.29	240.1	91.85	237.9	88.47
	-9.5	-10	242.9	95.70	242.9	96.44	241.5	96.51	241.5	93.88	241.2	91.47	239.2	88.12
	-8.5	-9.1	247.8	96.19	247.8	96.91	246.4	95.16	246.4	92.58	245.1	90.16	243.5	86.88
	-7.0	-7.6	255.2	96.91	255.2	94.96	253.5	93.16	253.5	90.61	253.5	88.22	250.4	85.06
	-5.0	-5.6	264.9	94.36	264.9	92.32	263.2	90.46	263.2	87.96	263.2	85.62	259.0	82.61
	-3.0	-3.7	274.7	91.83	274.7	89.70	273.0	87.79	273.0	85.35	273.0	83.03	267.7	80.17
	0.0	-0.7	289.2	88.02	289.2	85.77	287.4	83.76	287.4	81.39	287.4	79.12	280.7	76.49
	3.0	2.2	303.9	84.21	303.9	81.83	301.9	79.73	301.9	77.46	300.4	75.25	281.6	72.83
	5.0	4.1	313.0	81.67	313.0	79.21	311.3	77.04	310.1	74.82	302.4	72.65	281.6	70.38
	7.0	6.0	320.9	79.13	320.9	76.58	319.0	74.35	313.5	72.19	302.4	70.05	281.6	67.94
	9.0	7.9	322.3	77.03	322.3	74.54	321.3	72.39	313.5	70.29	302.4	68.18	281.6	66.14
	11.0	9.8	322.3	75.62	322.3	73.19	321.3	71.06	313.5	68.98	302.4	66.92	281.6	64.92
	13.0	11.8	322.3	74.09	322.3	71.71	321.3	69.62	313.5	67.58	302.4	65.58	281.6	63.61
15.0	13.7	322.3	72.43	322.3	70.09	321.3	68.06	313.5	66.07	302.4	64.11	281.6	62.19	
120	-24.8	-25	153.2	89.03	153.2	89.64	152.1	90.61	152.1	91.55	152.1	92.99	149.7	94.00
	-21.8	-22	187.1	90.48	187.1	91.11	185.8	92.08	185.8	92.99	185.8	94.46	182.8	95.46
	-19.8	-20	197.7	91.45	197.7	92.08	196.4	93.05	196.4	93.96	196.4	95.40	193.1	96.44
	-18.8	-19	202.1	91.92	202.1	92.55	200.8	93.52	200.8	94.46	200.8	95.90	197.5	96.91
	-16.7	-17	211.5	92.95	211.5	93.57	210.1	94.54	210.1	95.46	210.1	96.91	206.5	94.55
	-13.7	-15	224.7	94.39	224.7	95.02	223.4	95.99	223.4	96.91	223.4	93.39	219.6	91.19
	-11.8	-13	232.1	95.32	232.1	95.94	230.7	96.91	230.7	94.42	230.7	91.17	227.8	89.05
	-9.8	-11	239.8	96.27	239.8	96.91	238.4	94.17	238.4	91.81	238.4	88.82	236.3	86.81
	-9.5	-10	241.3	96.44	241.3	96.49	239.9	93.77	239.9	91.41	239.9	88.48	237.7	86.46
	-8.5	-9.1	246.1	96.91	246.1	95.02	244.5	92.40	244.5	90.10	244.5	87.31	242.0	85.33
	-7.0	-7.6	253.4	94.76	253.4	92.86	251.8	90.34	251.8	88.15	251.8	85.55	248.6	83.65
	-5.0	-5.6	263.2	91.89	263.2	89.97	261.4	87.60	261.4	85.53	261.4	83.20	257.4	81.41
	-3.0	-3.7	272.7	89.01	272.7	87.08	271.0	84.86	271.0	82.91	271.0	80.88	264.5	79.17
	0.0	-0.7	287.2	84.70	287.2	82.73	285.3	80.77	285.3	78.98	284.1	77.36	264.5	75.79
	3.0	2.2	301.7	80.39	301.7	78.41	299.0	76.65	293.7	75.05	284.6	73.84	264.5	72.42
	5.0	4.1	310.8	77.52	310.3	75.51	303.9	73.91	293.7	72.43	284.6	71.50	264.5	70.17
	7.0	6.0	318.8	74.63	316.5	72.60	303.9	71.17	293.7	69.82	284.6	69.15	264.5	67.92
	9.0	7.9	319.9	72.47	316.5	70.51	303.9	69.13	293.7	67.80	284.6	67.16	264.5	65.96
	11.0	9.8	319.9	70.96	316.5	69.04	303.9	67.68	293.7	66.38	284.6	65.74	264.5	64.57
	13.0	11.8	319.9	69.32	316.5	67.43	303.9	66.10	293.7	64.84	284.6	64.23	264.5	63.09
15.0	13.7	319.9	67.56	316.5	65.73	303.9	64.44	293.7	63.22	284.6	62.61	264.5	61.49	
110	-24.8	-25	152.4	89.64	152.4	90.61	151.4	91.55	151.4	92.99	151.4	94.00	148.8	94.49
	-21.8	-22	186.1	91.11	186.1	92.08	184.8	92.99	184.8	94.46	184.8	95.46	181.8	95.94
	-19.8	-20	196.6	92.08	196.6	93.05	195.4	93.96	195.4	95.40	195.4	96.44	192.0	96.91
	-18.8	-19	201.0	92.55	201.0	93.52	199.7	94.46	199.7	95.90	199.7	96.91	196.4	95.67
	-16.7	-17	210.4	93.57	210.4	94.54	209.0	95.46	209.0	96.91	209.0	94.36	205.4	93.05
	-13.7	-15	223.5	95.02	223.5	95.99	222.0	96.91	222.0	93.05	222.0	90.70	222.0	89.32
	-11.8	-13	230.8	95.94	230.8	96.91	229.4	94.19	229.4	90.59	229.4	88.39	229.4	86.93
	-9.8	-11	238.5	96.91	238.5	93.83	237.1	91.31	237.1	88.02	237.1	85.96	236.1	84.44
	-9.5	-10	239.9	96.42	239.9	93.36	238.6	90.89	238.6	87.63	238.6	85.59	237.7	84.06
	-8.5	-9.1	244.8	94.76	244.8	91.83	243.3	89.44	243.3	86.34	243.3	84.38	238.0	82.83
	-7.0	-7.6	252.1	92.25	252.1	89.51	250.5	87.28	250.5	84.40	250.5	82.54	238.0	80.95
	-5.0	-5.6	261.6	88.94	261.6	86.44	259.9	84.42	259.9	81.84	254.8	80.11	238.0	78.46
	-3.0	-3.7	271.2	85.61	271.2	83.34	269.4	81.53	263.8	79.26	254.8	77.67	238.0	75.95
	0.0	-0.7	285.6	80.61	285.2	78.73	272.6	77.23	263.8	75.38	254.8	74.03	238.0	72.20
	3.0	2.2	299.5	75.62	290.6	74.10	272.6	72.93	263.8	71.50	254.8	70.37	238.0	68.47
	5.0	4.1	307.5	72.29	290.6	71.01	272.6	70.04	263.8	68.93	254.8	67.94	238.0	65.98
	7.0	6.0	307.5	68.98	290.6	67.94	272.6	67.17	263.8	66.35	254.8	65.50	238.0	63.48
	9.0	7.9	307.5	66.67	290.6	65.67	272.6	64.95	263.8	64.14	254.8	63.33	238.0	61.38
	11.0	9.8	307.5	64.97	290.6	63.98	272.6	63.26	263.8	62.49	254.8	61.70	238.0	59.80
	13.0	11.8	307.5	63.12	290.6	62.18	272.6	61.47	263.8	60.73	254.8	59.95	238.0	58.11
15.0	13.7	307.5	61.17	290.6	60.25	272.6	59.57	263.8	58.86	254.8	58.09	238.0	56.31	

# 7. Capacity Tables

Heating Capacity (80HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	151.7	99.35	151.7	99.02	150.8	92.50	150.8	98.24	150.8	97.89	148.1	97.74
	-21.8	-22	185.1	98.87	185.1	98.54	184.1	95.42	184.1	97.74	184.1	98.75	180.8	97.23
	-19.8	-20	195.7	98.54	195.7	98.22	194.6	97.27	194.6	97.42	194.6	97.54	191.3	96.91
	-18.8	-19	200.1	98.37	199.0	98.06	199.0	97.74	199.0	97.26	199.0	96.91	195.5	95.39
	-16.7	-17	208.1	98.03	208.1	97.71	208.1	98.75	207.0	96.91	207.0	93.75	203.4	92.17
	-13.7	-15	222.4	97.55	222.4	97.23	221.1	96.91	221.1	92.34	221.1	89.26	217.5	87.59
	-11.8	-13	229.7	97.23	228.4	96.91	228.4	93.86	228.4	89.44	228.4	86.41	217.5	84.69
	-9.8	-11	237.2	96.91	237.2	93.48	236.2	90.63	236.2	86.39	233.4	83.40	217.5	81.64
	-9.5	-10	238.6	96.38	238.6	92.97	237.5	90.14	237.5	85.94	233.4	82.95	217.5	81.16
	-8.5	-9.1	243.5	94.57	243.5	91.26	242.4	88.53	241.4	84.41	233.4	81.44	217.5	79.64
	-7.0	-7.6	254.8	91.89	253.8	88.69	249.4	86.11	241.4	82.13	233.4	79.19	217.5	77.35
	-5.0	-5.6	265.9	88.31	263.2	85.26	249.4	82.89	241.4	79.09	233.4	76.20	217.5	74.29
	-3.0	-3.7	273.6	84.71	265.4	81.81	249.4	79.68	241.4	76.04	233.4	73.19	217.5	71.24
	0.0	-0.7	281.3	79.34	265.4	76.68	249.4	74.82	241.4	71.47	233.4	68.68	217.5	66.65
	3.0	2.2	281.3	73.95	265.4	71.53	249.4	70.00	241.4	66.89	233.4	64.19	217.5	62.06
	5.0	4.1	281.3	70.35	265.4	68.11	249.4	66.77	241.4	63.85	233.4	61.17	217.5	58.99
	7.0	6.0	281.3	66.77	265.4	64.68	249.4	63.55	241.4	60.79	233.4	58.18	217.5	55.94
	9.0	7.9	281.3	64.22	265.4	62.21	249.4	61.14	241.4	58.48	233.4	55.95	217.5	53.81
	11.0	9.8	281.3	62.21	265.4	60.27	249.4	59.21	241.4	56.65	233.4	54.20	217.5	52.13
	13.0	11.8	281.3	60.07	265.4	58.19	249.4	57.18	241.4	54.69	233.4	52.34	217.5	50.35
15.0	13.7	281.3	57.81	265.4	55.99	249.4	55.03	241.4	52.64	233.4	50.36	217.5	48.44	
90	-24.8	-25	151.1	88.26	151.1	89.71	150.1	90.73	150.1	91.21	150.1	92.18	147.7	93.62
	-21.8	-22	184.4	89.71	184.4	91.17	183.4	92.18	183.4	92.65	183.4	93.62	180.1	89.61
	-19.8	-20	195.0	90.68	195.0	92.12	193.7	93.15	193.7	93.62	193.7	90.88	190.5	86.91
	-18.8	-19	200.1	91.17	199.0	92.62	198.1	93.62	198.1	92.20	198.1	89.49	194.8	85.56
	-16.7	-17	208.1	92.18	208.1	93.62	207.3	90.70	207.3	89.23	207.3	86.60	198.7	82.73
	-13.7	-15	222.4	93.62	222.4	89.27	220.4	86.50	220.4	84.96	214.1	82.47	198.7	78.70
	-11.8	-13	229.7	90.63	228.4	86.49	227.5	83.85	221.2	82.28	214.1	79.84	198.7	76.14
	-9.8	-11	237.2	87.49	237.2	83.59	228.2	81.04	221.2	79.44	214.1	77.10	198.7	73.47
	-9.5	-10	238.6	87.01	238.6	83.15	228.2	80.63	221.2	79.01	214.1	76.69	198.7	73.07
	-8.5	-9.1	243.5	85.45	241.7	81.70	228.2	79.24	221.2	77.59	214.1	75.31	198.7	71.71
	-7.0	-7.6	254.8	83.09	242.3	79.52	228.2	77.13	221.2	75.45	214.1	73.24	198.7	69.70
	-5.0	-5.6	257.5	79.93	242.3	76.60	228.2	74.32	221.2	72.64	214.1	70.48	198.7	67.00
	-3.0	-3.7	257.5	76.79	242.3	73.70	228.2	71.54	221.2	69.79	214.1	67.71	198.7	64.31
	0.0	-0.7	257.5	72.05	242.3	69.32	228.2	67.34	221.2	65.53	214.1	63.58	198.7	60.27
	3.0	2.2	257.5	67.32	242.3	64.97	228.2	63.16	221.2	61.26	214.1	59.46	198.7	56.25
	5.0	4.1	257.5	64.18	242.3	62.05	228.2	60.35	221.2	58.43	214.1	56.70	198.7	53.56
	7.0	6.0	257.5	61.02	242.3	59.14	228.2	57.56	221.2	55.59	214.1	53.93	198.7	50.86
	9.0	7.9	257.5	58.06	242.3	56.27	228.2	54.76	221.2	52.89	214.1	51.32	198.7	48.39
	11.0	9.8	257.5	55.08	242.3	53.39	228.2	51.97	221.2	50.19	214.1	48.70	198.7	45.92
	13.0	11.8	257.5	52.13	242.3	50.52	228.2	49.15	221.2	47.48	214.1	46.08	198.7	43.44
15.0	13.7	257.5	49.17	242.3	47.65	228.2	46.37	221.2	44.79	214.1	43.45	198.7	40.96	
80	-24.8	-25	150.4	77.65	150.4	79.10	149.5	80.13	149.5	80.60	149.5	83.02	147.0	79.47
	-21.8	-22	182.4	79.10	182.4	80.57	182.4	81.57	182.4	83.02	182.4	79.47	177.6	76.07
	-19.8	-20	193.0	80.07	193.0	81.54	193.0	83.02	193.0	80.51	190.7	77.11	177.6	73.79
	-18.8	-19	197.4	80.57	197.4	83.02	197.4	81.76	197.2	79.26	190.9	75.93	177.6	72.65
	-16.7	-17	204.1	83.02	204.1	80.37	204.1	79.09	198.0	76.64	190.9	73.45	177.6	70.26
	-13.7	-15	213.4	79.11	209.2	76.58	204.1	75.27	198.0	72.88	190.9	69.90	177.6	66.86
	-11.8	-13	218.7	76.59	212.3	74.20	204.1	72.86	198.0	70.49	190.9	67.65	177.6	64.71
	-9.8	-11	224.5	73.98	215.3	71.66	204.1	70.32	198.0	68.00	190.9	65.28	177.6	62.42
	-9.5	-10	226.1	73.60	216.5	71.29	204.1	69.95	198.0	67.62	190.9	64.91	177.6	62.09
	-8.5	-9.1	228.4	72.28	217.5	70.03	204.1	68.67	198.0	66.36	190.9	63.73	177.6	60.95
	-7.0	-7.6	230.7	70.31	217.5	68.13	204.1	66.77	198.0	64.48	190.9	61.95	177.6	59.26
	-5.0	-5.6	230.7	67.70	217.5	65.60	204.1	64.21	198.0	61.98	190.9	59.59	177.6	56.98
	-3.0	-3.7	230.7	65.08	217.5	63.08	204.1	61.67	198.0	59.46	190.9	57.23	177.6	54.72
	0.0	-0.7	230.7	61.14	217.5	59.29	204.1	57.87	198.0	55.71	190.9	53.68	177.6	51.29
	3.0	2.2	230.7	57.21	217.5	55.52	204.1	54.05	198.0	51.95	190.9	50.13	177.6	47.89
	5.0	4.1	230.7	54.59	217.5	52.98	204.1	51.52	198.0	49.44	190.9	47.76	177.6	45.61
	7.0	6.0	230.7	51.97	217.5	50.47	204.1	48.97	198.0	46.93	190.9	45.40	177.6	43.35
	9.0	7.9	230.7	48.81	217.5	47.38	204.1	45.99	198.0	44.07	190.9	42.63	177.6	40.69
	11.0	9.8	230.7	45.30	217.5	43.97	204.1	42.67	198.0	40.91	190.9	39.55	177.6	37.76
	13.0	11.8	230.7	42.28	217.5	41.05	204.1	39.84	198.0	38.19	190.9	36.92	177.6	35.26
15.0	13.7	230.7	39.80	217.5	38.64	204.1	37.50	198.0	35.94	190.9	34.76	177.6	33.20	

# 7. Capacity Tables

Heating Capacity (80HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	150.4	78.03	150.4	78.50	149.5	79.48	149.5	80.93	149.5	77.07	146.9	73.48
	-21.8	-22	174.9	79.48	174.9	79.97	173.8	80.93	167.8	77.07	162.8	73.48	152.0	69.99
	-19.8	-20	191.2	80.44	184.7	80.93	173.8	78.22	167.8	74.51	162.8	71.08	152.0	67.66
	-18.8	-19	195.4	80.93	184.7	79.53	173.8	76.86	167.8	73.22	162.8	69.88	152.0	66.51
	-16.7	-17	195.6	78.03	184.7	76.59	173.8	74.03	167.8	70.53	162.8	67.34	152.0	64.07
	-13.7	-15	195.6	73.89	184.7	72.39	173.8	69.99	167.8	66.67	162.8	63.74	152.0	60.58
	-11.8	-13	195.6	71.24	184.7	69.74	173.8	67.41	167.8	64.22	162.8	61.46	152.0	58.38
	-9.8	-11	195.6	68.48	184.7	66.93	173.8	64.70	167.8	61.67	162.8	59.05	152.0	56.04
	-9.5	-10	195.6	68.07	184.7	66.52	173.8	64.30	167.8	61.28	162.8	58.68	152.0	55.71
	-8.5	-9.1	195.6	66.70	184.7	65.12	173.8	62.95	167.8	60.00	162.8	57.48	152.0	54.54
	-7.0	-7.6	195.6	64.62	184.7	63.03	173.8	60.91	167.8	58.06	162.8	55.70	152.0	52.80
	-5.0	-5.6	195.6	61.84	184.7	60.22	173.8	58.20	167.8	55.49	162.8	53.30	152.0	50.48
	-3.0	-3.7	195.6	59.08	184.7	57.43	173.8	55.51	167.8	52.91	162.8	50.89	152.0	48.16
	0.0	-0.7	195.6	54.94	184.7	53.24	173.8	51.44	167.8	49.07	162.8	47.29	152.0	44.66
	3.0	2.2	195.6	50.78	184.7	49.02	173.8	47.39	167.8	45.22	162.8	43.67	152.0	41.20
	5.0	4.1	195.6	48.03	184.7	46.24	173.8	44.70	167.8	42.64	162.8	41.28	152.0	38.86
	7.0	6.0	195.6	45.26	184.7	43.44	173.8	41.99	167.8	40.08	162.8	38.87	152.0	36.55
	9.0	7.9	195.6	40.87	184.7	39.22	173.8	37.92	167.8	36.19	162.8	35.10	152.0	33.01
	11.0	9.8	195.6	38.05	184.7	36.53	173.8	35.30	167.8	33.69	162.8	32.69	152.0	30.73
	13.0	11.8	195.6	35.61	184.7	34.18	173.8	33.02	167.8	31.54	162.8	30.57	152.0	28.75
15.0	13.7	195.6	33.57	184.7	32.23	173.8	31.13	167.8	29.73	162.8	28.82	152.0	27.09	
60	-24.8	-25	149.2	76.98	149.2	77.95	148.2	79.40	144.0	75.30	139.0	71.44	130.2	67.82
	-21.8	-22	160.3	78.42	158.8	79.40	149.0	75.30	144.0	71.44	139.0	67.82	130.2	64.33
	-19.8	-20	167.8	79.40	158.8	76.50	149.0	72.56	144.0	68.88	139.0	65.39	130.2	61.98
	-18.8	-19	167.8	77.93	158.8	75.05	149.0	71.18	144.0	67.58	139.0	64.20	130.2	60.81
	-16.7	-17	167.8	74.86	158.8	71.99	149.0	68.30	144.0	64.89	139.0	61.67	130.2	58.39
	-13.7	-15	167.8	70.48	158.8	67.66	149.0	64.21	144.0	61.03	139.0	58.04	130.2	54.87
	-11.8	-13	167.8	67.68	158.8	64.89	149.0	61.61	144.0	58.59	139.0	55.74	130.2	52.65
	-9.8	-11	167.8	64.75	158.8	61.99	149.0	58.85	144.0	56.04	139.0	53.32	130.2	50.33
	-9.5	-10	167.8	64.31	158.8	61.56	149.0	58.45	144.0	55.64	139.0	52.96	130.2	49.99
	-8.5	-9.1	167.8	62.84	158.8	60.09	149.0	57.08	144.0	54.36	139.0	51.76	130.2	48.80
	-7.0	-7.6	167.8	60.66	158.8	57.92	149.0	55.02	144.0	52.44	139.0	49.96	130.2	47.06
	-5.0	-5.6	167.8	57.72	158.8	55.02	149.0	52.29	144.0	49.87	139.0	47.53	130.2	44.73
	-3.0	-3.7	167.8	54.80	158.8	52.12	149.0	49.55	144.0	47.29	139.0	45.11	130.2	42.39
	0.0	-0.7	167.8	50.39	158.8	47.76	149.0	45.43	144.0	43.45	139.0	41.49	130.2	38.90
	3.0	2.2	167.8	46.01	158.8	43.40	149.0	41.33	144.0	39.60	139.0	37.89	130.2	35.41
	5.0	4.1	167.8	43.07	158.8	40.50	149.0	38.60	144.0	37.03	139.0	35.47	130.2	33.06
	7.0	6.0	167.8	40.14	158.8	37.60	149.0	35.85	144.0	34.44	139.0	33.05	130.2	30.73
	9.0	7.9	167.8	35.81	158.8	33.55	149.0	32.00	144.0	30.73	139.0	29.50	130.2	27.41
	11.0	9.8	167.8	33.44	158.8	31.32	149.0	29.86	144.0	28.71	139.0	27.54	130.2	25.59
	13.0	11.8	167.8	31.32	158.8	29.34	149.0	27.98	144.0	26.89	139.0	25.79	130.2	24.00
15.0	13.7	167.8	29.60	158.8	27.74	149.0	26.45	144.0	25.41	139.0	24.38	130.2	22.67	
50	-24.8	-25	140.0	67.47	132.0	68.93	124.2	65.28	120.2	61.88	116.1	58.67	108.1	55.66
	-21.8	-22	140.0	68.93	132.0	65.28	124.2	61.88	120.2	58.67	116.1	55.66	108.1	52.77
	-19.8	-20	140.0	66.39	132.0	62.85	124.2	59.60	120.2	56.51	116.1	53.67	108.1	50.86
	-18.8	-19	140.0	65.11	132.0	61.64	124.2	58.47	120.2	55.43	116.1	52.66	108.1	49.90
	-16.7	-17	140.0	62.46	132.0	59.10	124.2	56.09	120.2	53.19	116.1	50.56	108.1	47.87
	-13.7	-15	140.0	58.64	132.0	55.44	124.2	52.69	120.2	49.96	116.1	47.56	108.1	45.00
	-11.8	-13	140.0	56.23	132.0	53.14	124.2	50.53	120.2	47.91	116.1	45.66	108.1	43.17
	-9.8	-11	140.0	53.69	132.0	50.72	124.2	48.26	120.2	45.78	116.1	43.68	108.1	41.24
	-9.5	-10	140.0	53.31	132.0	50.36	124.2	47.93	120.2	45.45	116.1	43.38	108.1	40.95
	-8.5	-9.1	140.0	52.05	132.0	49.13	124.2	46.80	120.2	44.38	116.1	42.37	108.1	39.98
	-7.0	-7.6	140.0	50.16	132.0	47.32	124.2	45.09	120.2	42.78	116.1	40.88	108.1	38.54
	-5.0	-5.6	140.0	47.61	132.0	44.90	124.2	42.82	120.2	40.63	116.1	38.88	108.1	36.61
	-3.0	-3.7	140.0	45.07	132.0	42.47	124.2	40.55	120.2	38.47	116.1	36.88	108.1	34.70
	0.0	-0.7	140.0	41.28	132.0	38.81	124.2	37.13	120.2	35.26	116.1	33.88	108.1	31.81
	3.0	2.2	140.0	37.46	132.0	35.17	124.2	33.75	120.2	32.04	116.1	30.87	108.1	28.94
	5.0	4.1	140.0	34.92	132.0	32.75	124.2	31.48	120.2	29.89	116.1	28.89	108.1	27.01
	7.0	6.0	140.0	32.39	132.0	30.32	124.2	29.21	120.2	27.75	116.1	26.89	108.1	25.08
	9.0	7.9	140.0	29.24	132.0	27.38	124.2	26.38	120.2	25.05	116.1	24.29	108.1	22.64
	11.0	9.8	140.0	27.36	132.0	25.63	124.2	24.68	120.2	23.45	116.1	22.72	108.1	21.20
	13.0	11.8	140.0	25.70	132.0	24.06	124.2	23.16	120.2	22.02	116.1	21.33	108.1	19.90
15.0	13.7	140.0	24.30	132.0	22.77	124.2	21.92	120.2	20.82	116.1	20.19	108.1	18.83	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN820BTE5

Heating Capacity (82HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	158.1	91.32	158.1	92.07	157.2	92.69	157.2	93.68	157.2	94.63	154.6	96.10
	-21.8	-22	193.2	92.80	193.2	93.54	191.9	94.19	191.9	95.18	191.9	96.10	188.6	97.59
	-19.8	-20	204.1	93.78	204.1	94.53	202.7	95.18	202.7	96.16	202.7	97.08	199.4	98.56
	-18.8	-19	208.8	94.28	208.8	95.01	207.4	95.65	207.4	96.64	207.4	97.59	203.9	99.07
	-16.7	-17	218.4	95.31	218.4	96.06	217.0	96.69	217.0	97.67	217.0	98.61	213.3	100.1
	-13.7	-15	232.1	96.79	232.1	97.53	230.7	98.17	230.7	99.16	230.7	100.1	226.7	96.32
	-11.8	-13	239.7	97.73	239.7	98.48	238.3	99.10	238.3	100.1	238.3	97.55	235.3	93.91
	-9.8	-11	247.7	98.72	247.7	99.44	246.1	100.1	246.1	97.38	246.1	94.88	243.9	91.39
	-9.5	-10	249.1	98.86	249.1	99.61	247.6	99.68	247.6	96.97	247.3	94.48	245.3	91.02
	-8.5	-9.1	254.1	99.36	254.1	100.1	252.6	98.28	252.6	95.63	251.4	93.13	249.6	89.75
	-7.0	-7.6	261.6	100.1	261.6	98.08	259.9	96.22	259.9	93.59	259.9	91.13	256.7	87.86
	-5.0	-5.6	271.6	97.47	271.6	95.36	269.8	93.45	269.8	90.87	269.8	88.45	265.6	85.34
	-3.0	-3.7	281.6	94.86	281.6	92.66	279.8	90.69	279.8	88.17	279.8	85.77	274.5	82.82
	0.0	-0.7	296.5	90.93	296.5	88.61	294.6	86.53	294.6	84.09	294.6	81.74	287.8	79.03
	3.0	2.2	311.5	87.00	311.5	84.54	309.5	82.38	309.5	80.03	308.0	77.75	288.7	75.25
	5.0	4.1	320.8	84.39	320.8	81.84	319.1	79.61	319.1	77.31	310.0	75.07	288.7	72.73
	7.0	6.0	329.0	81.77	329.0	79.14	327.0	76.83	321.4	74.60	310.0	72.39	288.7	70.21
9.0	7.9	330.5	79.61	330.5	77.04	329.4	74.81	321.4	72.64	310.0	70.46	288.7	68.35	
11.0	9.8	330.5	78.15	330.5	75.64	329.4	73.44	321.4	71.29	310.0	69.16	288.7	67.10	
13.0	11.8	330.5	76.58	330.5	74.12	329.4	71.96	321.4	69.85	310.0	67.78	288.7	65.75	
15.0	13.7	330.5	74.87	330.5	72.46	329.4	70.36	321.4	68.30	310.0	66.27	288.7	64.29	
120	-24.8	-25	157.1	92.07	157.1	92.69	156.1	93.68	156.1	94.63	156.1	96.10	153.5	97.13
	-21.8	-22	191.8	93.54	191.8	94.19	190.5	95.18	190.5	96.10	190.5	97.59	187.4	98.61
	-19.8	-20	202.7	94.53	202.7	95.18	201.3	96.16	201.3	97.08	201.3	98.56	198.0	99.61
	-18.8	-19	207.2	95.01	207.2	95.65	205.8	96.64	205.8	97.59	205.8	99.07	202.5	100.1
	-16.7	-17	216.8	96.06	216.8	96.69	215.4	97.67	215.4	98.61	215.4	100.1	211.7	97.66
	-13.7	-15	230.4	97.53	230.4	98.17	229.0	99.16	229.0	100.1	229.0	96.46	225.1	94.19
	-11.8	-13	237.9	98.48	237.9	99.10	236.5	100.1	236.5	97.52	236.5	94.17	233.5	91.98
	-9.8	-11	245.9	99.44	245.9	100.1	244.5	97.26	244.5	94.83	244.5	91.75	242.3	89.67
	-9.5	-10	247.4	99.61	247.4	99.65	246.0	96.85	246.0	94.42	246.0	91.39	243.7	89.31
	-8.5	-9.1	252.4	100.1	252.4	98.15	250.6	95.44	250.6	93.07	250.6	90.19	248.1	88.15
	-7.0	-7.6	259.8	97.88	259.8	95.92	258.2	93.32	258.2	91.06	258.0	88.38	254.9	86.41
	-5.0	-5.6	269.8	94.91	269.8	92.93	268.0	90.49	268.0	88.35	268.0	85.95	263.8	84.10
	-3.0	-3.7	279.6	91.95	279.6	89.95	277.8	87.67	277.8	85.65	277.8	83.55	271.2	81.79
	0.0	-0.7	294.4	87.50	294.4	85.47	292.4	83.44	292.4	81.60	291.2	79.92	271.2	78.31
	3.0	2.2	309.2	83.06	309.2	81.01	306.5	79.19	301.1	77.54	291.8	76.30	271.2	74.83
	5.0	4.1	318.6	80.09	318.1	78.03	311.6	76.37	301.1	74.84	291.8	73.88	271.2	72.51
	7.0	6.0	326.8	77.12	324.5	75.02	311.6	73.54	301.1	72.15	291.8	71.45	271.2	70.18
9.0	7.9	327.9	74.90	324.5	72.86	311.6	71.44	301.1	70.07	291.8	69.40	271.2	68.17	
11.0	9.8	327.9	73.34	324.5	71.35	311.6	69.95	301.1	68.61	291.8	67.95	271.2	66.74	
13.0	11.8	327.9	71.65	324.5	69.70	311.6	68.33	301.1	67.02	291.8	66.39	271.2	65.21	
15.0	13.7	327.9	69.84	324.5	67.95	311.6	66.61	301.1	65.35	291.8	64.73	271.2	63.56	
110	-24.8	-25	156.3	92.69	156.3	93.68	155.3	94.63	155.3	96.10	155.3	97.13	152.6	97.63
	-21.8	-22	190.8	94.19	190.8	95.18	189.5	96.10	189.5	97.59	189.5	98.61	186.4	99.10
	-19.8	-20	201.6	95.18	201.6	96.16	200.4	97.08	200.4	98.56	200.4	99.61	196.9	100.1
	-18.8	-19	206.1	95.65	206.1	96.64	204.7	97.59	204.7	99.07	204.7	100.1	201.4	98.81
	-16.7	-17	215.7	96.69	215.7	97.67	214.3	98.61	214.3	100.1	214.3	97.46	210.6	96.10
	-13.7	-15	229.1	98.17	229.1	99.16	227.7	100.1	227.7	96.11	227.7	93.68	227.7	92.26
	-11.8	-13	236.7	99.10	236.7	100.1	235.2	97.28	235.2	93.58	235.2	91.30	235.2	89.79
	-9.8	-11	244.5	100.1	244.5	96.91	243.1	94.31	243.1	90.92	243.1	88.79	242.0	87.22
	-9.5	-10	246.0	99.58	246.0	96.43	244.6	93.87	244.6	90.52	244.6	88.41	243.7	86.83
	-8.5	-9.1	251.0	97.87	251.0	94.85	249.5	92.39	249.5	89.18	249.5	87.16	244.0	85.56
	-7.0	-7.6	258.4	95.28	258.4	92.46	256.8	90.15	256.8	87.19	256.8	85.27	244.0	83.62
	-5.0	-5.6	268.2	91.86	268.2	89.28	266.4	87.20	266.4	84.54	261.2	82.76	244.0	81.05
	-3.0	-3.7	278.1	88.44	278.1	86.09	276.2	84.23	270.5	81.88	261.2	80.25	244.0	78.47
	0.0	-0.7	292.8	83.28	292.4	81.33	279.5	79.79	270.5	77.88	261.2	76.48	244.0	74.60
	3.0	2.2	307.1	78.13	297.9	76.56	279.5	75.35	270.5	73.88	261.2	72.71	244.0	70.75
	5.0	4.1	315.2	74.70	297.9	73.38	279.5	72.37	270.5	71.22	261.2	70.20	244.0	68.18
	7.0	6.0	315.2	71.28	297.9	70.21	279.5	69.41	270.5	68.56	261.2	67.69	244.0	65.60
9.0	7.9	315.2	68.90	297.9	67.86	279.5	67.12	270.5	66.29	261.2	65.45	244.0	63.43	
11.0	9.8	315.2	67.15	297.9	66.13	279.5	65.38	270.5	64.59	261.2	63.77	244.0	61.80	
13.0	11.8	315.2	65.24	297.9	64.27	279.5	63.54	270.5	62.77	261.2	61.97	244.0	60.06	
15.0	13.7	315.2	63.24	297.9	62.28	279.5	61.58	270.5	60.84	261.2	60.05	244.0	58.21	

# 7. Capacity Tables

Heating Capacity (82HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	155.6	102.7	155.6	102.4	154.6	95.58	154.6	101.5	154.6	101.1	151.9	101.0
	-21.8	-22	189.8	102.2	189.8	101.8	188.8	98.59	188.8	101.0	188.8	102.0	185.4	100.4
	-19.8	-20	200.7	101.8	200.7	101.5	199.5	100.5	199.5	100.6	199.5	100.7	196.2	100.1
	-18.8	-19	205.1	101.7	204.0	101.3	204.0	101.0	204.0	100.5	204.0	100.1	200.4	98.52
	-16.7	-17	213.4	101.3	213.4	101.0	213.4	102.0	212.2	100.1	212.2	96.83	208.5	95.20
	-13.7	-15	228.0	100.8	228.0	100.4	226.7	100.1	226.7	95.38	226.7	92.20	223.0	90.47
	-11.8	-13	235.5	100.4	234.2	100.1	234.2	96.94	234.2	92.39	234.2	89.25	223.0	87.48
	-9.8	-11	243.2	100.1	243.2	96.56	242.1	93.61	242.1	89.23	239.3	86.15	223.0	84.32
	-9.5	-10	244.6	99.54	244.6	96.03	243.5	93.10	243.5	88.77	239.3	85.69	223.0	83.84
	-8.5	-9.1	249.6	97.68	249.6	94.26	248.5	91.45	247.5	87.19	239.3	84.13	223.0	82.27
	-7.0	-7.6	261.2	94.91	260.2	91.61	255.7	88.95	247.5	84.84	239.3	81.81	223.0	79.90
	-5.0	-5.6	272.6	91.21	269.9	88.07	255.7	85.63	247.5	81.70	239.3	78.71	223.0	76.75
	-3.0	-3.7	280.5	87.50	272.1	84.51	255.7	82.31	247.5	78.55	239.3	75.61	223.0	73.60
	0.0	-0.7	288.4	81.96	272.1	79.22	255.7	77.30	247.5	73.84	239.3	70.95	223.0	68.86
	3.0	2.2	288.4	76.41	272.1	73.91	255.7	72.33	247.5	69.11	239.3	66.32	223.0	64.12
	5.0	4.1	288.4	72.69	272.1	70.37	255.7	68.99	247.5	65.98	239.3	63.20	223.0	60.95
	7.0	6.0	288.4	69.00	272.1	66.84	255.7	65.67	247.5	62.82	239.3	60.12	223.0	57.80
	9.0	7.9	288.4	66.37	272.1	64.29	255.7	63.18	247.5	60.43	239.3	57.83	223.0	55.61
	11.0	9.8	288.4	64.30	272.1	62.30	255.7	61.19	247.5	58.56	239.3	56.02	223.0	53.88
	13.0	11.8	288.4	62.09	272.1	60.16	255.7	59.10	247.5	56.54	239.3	54.10	223.0	52.05
15.0	13.7	288.4	59.77	272.1	57.88	255.7	56.89	247.5	54.42	239.3	52.07	223.0	50.08	
90	-24.8	-25	154.9	91.25	154.9	92.73	154.0	93.77	154.0	94.26	154.0	95.24	151.5	96.71
	-21.8	-22	189.1	92.73	189.1	94.21	188.1	95.24	188.1	95.72	188.1	96.71	184.7	92.56
	-19.8	-20	199.9	93.71	199.9	95.18	198.6	96.23	198.6	96.71	198.6	97.88	195.3	89.78
	-18.8	-19	205.1	94.21	204.0	95.69	203.1	96.71	203.1	97.24	203.1	98.45	199.7	88.39
	-16.7	-17	213.4	95.24	213.4	96.71	212.5	93.69	212.5	92.17	212.5	89.46	203.7	85.47
	-13.7	-15	228.0	96.71	228.0	92.22	225.9	89.36	225.9	87.77	219.5	85.20	203.7	81.30
	-11.8	-13	235.5	93.62	234.2	89.35	233.3	86.62	226.7	85.00	219.5	82.48	203.7	78.66
	-9.8	-11	243.2	90.38	243.2	86.35	234.0	83.72	226.7	82.07	219.5	79.65	203.7	75.90
	-9.5	-10	244.6	89.89	244.6	85.90	234.0	83.29	226.7	81.62	219.5	79.23	203.7	75.48
	-8.5	-9.1	249.6	88.27	247.9	84.40	234.0	81.86	226.7	80.15	219.5	77.80	203.7	74.09
	-7.0	-7.6	261.2	85.83	248.5	82.15	234.0	79.68	226.7	77.95	219.5	75.67	203.7	72.01
	-5.0	-5.6	264.0	82.57	248.5	79.13	234.0	76.79	226.7	75.04	219.5	72.82	203.7	69.22
	-3.0	-3.7	264.0	79.33	248.5	76.15	234.0	73.91	226.7	72.10	219.5	69.96	203.7	66.44
	0.0	-0.7	264.0	74.44	248.5	71.62	234.0	69.57	226.7	67.71	219.5	65.70	203.7	62.28
	3.0	2.2	264.0	69.56	248.5	67.13	234.0	65.26	226.7	63.30	219.5	61.43	203.7	58.12
	5.0	4.1	264.0	66.32	248.5	64.12	234.0	62.36	226.7	60.37	219.5	58.59	203.7	55.34
	7.0	6.0	264.0	63.06	248.5	61.11	234.0	59.48	226.7	57.44	219.5	55.73	203.7	52.56
	9.0	7.9	264.0	60.00	248.5	58.15	234.0	56.59	226.7	54.66	219.5	53.03	203.7	50.01
	11.0	9.8	264.0	56.93	248.5	55.18	234.0	53.71	226.7	51.87	219.5	50.33	203.7	47.45
	13.0	11.8	264.0	53.87	248.5	52.21	234.0	50.80	226.7	49.07	219.5	47.62	203.7	44.90
15.0	13.7	264.0	50.82	248.5	49.25	234.0	47.92	226.7	46.30	219.5	44.91	203.7	42.34	
80	-24.8	-25	154.3	80.29	154.3	81.77	153.3	82.82	153.3	83.30	153.3	85.76	150.8	82.10
	-21.8	-22	187.1	81.77	187.1	83.26	187.1	84.28	187.1	85.76	187.1	82.10	182.0	78.58
	-19.8	-20	197.9	82.75	197.9	84.25	197.9	85.76	197.9	83.17	195.5	79.66	182.0	76.23
	-18.8	-19	202.3	83.26	202.3	85.76	202.3	84.45	202.2	81.88	195.7	78.43	182.0	75.05
	-16.7	-17	209.2	85.76	209.2	83.02	209.2	81.70	203.0	79.16	195.7	75.87	182.0	72.58
	-13.7	-15	218.8	81.72	214.4	79.11	209.2	77.76	203.0	75.29	195.7	72.21	182.0	69.07
	-11.8	-13	224.2	79.12	217.6	76.65	209.2	75.27	203.0	72.82	195.7	69.88	182.0	66.85
	-9.8	-11	230.2	76.43	220.8	74.03	209.2	72.65	203.0	70.24	195.7	67.44	182.0	64.49
	-9.5	-10	231.8	76.03	222.0	73.64	209.2	72.26	203.0	69.86	195.7	67.06	182.0	64.15
	-8.5	-9.1	234.2	74.67	223.0	72.34	209.2	70.94	203.0	68.56	195.7	65.84	182.0	62.97
	-7.0	-7.6	236.5	72.64	223.0	70.39	209.2	68.98	203.0	66.62	195.7	64.01	182.0	61.22
	-5.0	-5.6	236.5	69.94	223.0	67.77	209.2	66.34	203.0	64.04	195.7	61.57	182.0	58.87
	-3.0	-3.7	236.5	67.23	223.0	65.17	209.2	63.71	203.0	61.43	195.7	59.13	182.0	56.53
	0.0	-0.7	236.5	63.17	223.0	61.26	209.2	59.79	203.0	57.56	195.7	55.47	182.0	53.00
	3.0	2.2	236.5	59.11	223.0	57.37	209.2	55.85	203.0	53.68	195.7	51.79	182.0	49.49
	5.0	4.1	236.5	56.40	223.0	54.75	209.2	53.24	203.0	51.08	195.7	49.35	182.0	47.13
	7.0	6.0	236.5	53.71	223.0	52.15	209.2	50.61	203.0	48.49	195.7	46.91	182.0	44.80
	9.0	7.9	236.5	50.44	223.0	48.96	209.2	47.52	203.0	45.54	195.7	44.05	182.0	42.05
	11.0	9.8	236.5	46.81	223.0	45.44	209.2	44.10	203.0	42.28	195.7	40.87	182.0	39.02
	13.0	11.8	236.5	43.69	223.0	42.42	209.2	41.17	203.0	39.46	195.7	38.15	182.0	36.43
15.0	13.7	236.5	41.13	223.0	39.93	209.2	38.75	203.0	37.14	195.7	35.92	182.0	34.31	



# 7. Capacity Tables

Heating Capacity (82HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	154.3	80.65	154.3	81.13	153.3	82.12	153.3	83.61	153.3	79.61	150.7	75.91
	-21.8	-22	179.3	82.12	179.3	82.62	178.2	83.61	172.0	79.61	167.0	75.91	155.8	72.30
	-19.8	-20	195.9	83.11	189.3	83.61	178.2	80.81	172.0	76.97	167.0	73.43	155.8	69.90
	-18.8	-19	200.4	83.61	189.3	82.15	178.2	79.40	172.0	75.64	167.0	72.19	155.8	68.71
	-16.7	-17	200.6	80.60	189.3	79.12	178.2	76.48	172.0	72.86	167.0	69.57	155.8	66.19
	-13.7	-15	200.6	76.33	189.3	74.78	178.2	72.30	172.0	68.87	167.0	65.85	155.8	62.58
	-11.8	-13	200.6	73.60	189.3	72.05	178.2	69.64	172.0	66.35	167.0	63.49	155.8	60.31
	-9.8	-11	200.6	70.75	189.3	69.14	178.2	66.84	172.0	63.71	167.0	61.01	155.8	57.90
	-9.5	-10	200.6	70.32	189.3	68.73	178.2	66.43	172.0	63.31	167.0	60.63	155.8	57.55
	-8.5	-9.1	200.6	68.91	189.3	67.27	178.2	65.04	172.0	61.99	167.0	59.39	155.8	56.35
	-7.0	-7.6	200.6	66.76	189.3	65.12	178.2	62.93	172.0	59.98	167.0	57.54	155.8	54.56
	-5.0	-5.6	200.6	63.89	189.3	62.22	178.2	60.13	172.0	57.33	167.0	55.07	155.8	52.15
	-3.0	-3.7	200.6	61.04	189.3	59.34	178.2	57.35	172.0	54.67	167.0	52.58	155.8	49.76
	0.0	-0.7	200.6	56.77	189.3	55.01	178.2	53.15	172.0	50.70	167.0	48.86	155.8	46.15
	3.0	2.2	200.6	52.47	189.3	50.65	178.2	48.97	172.0	46.73	167.0	45.13	155.8	42.57
	5.0	4.1	200.6	49.63	189.3	47.78	178.2	46.19	172.0	44.06	167.0	42.65	155.8	40.15
	7.0	6.0	200.6	46.77	189.3	44.89	178.2	43.39	172.0	41.41	167.0	40.17	155.8	37.77
	9.0	7.9	200.6	42.24	189.3	40.53	178.2	39.18	172.0	37.40	167.0	36.27	155.8	34.11
	11.0	9.8	200.6	39.32	189.3	37.74	178.2	36.47	172.0	34.82	167.0	33.78	155.8	31.76
	13.0	11.8	200.6	36.80	189.3	35.32	178.2	34.12	172.0	32.60	167.0	31.59	155.8	29.71
15.0	13.7	200.6	34.69	189.3	33.30	178.2	32.17	172.0	30.72	167.0	29.78	155.8	28.00	
60	-24.8	-25	152.9	79.58	152.9	80.57	152.0	82.05	147.6	77.80	142.5	73.82	133.4	70.08
	-21.8	-22	164.3	81.05	162.8	82.05	152.8	77.80	147.6	73.82	142.5	70.08	133.4	66.47
	-19.8	-20	172.0	82.05	162.8	79.05	152.8	74.98	147.6	71.17	142.5	67.57	133.4	64.04
	-18.8	-19	172.0	80.53	162.8	77.55	152.8	73.55	147.6	69.83	142.5	66.33	133.4	62.84
	-16.7	-17	172.0	77.35	162.8	74.39	152.8	70.58	147.6	67.05	142.5	63.72	133.4	60.33
	-13.7	-15	172.0	72.83	162.8	69.91	152.8	66.35	147.6	63.06	142.5	59.98	133.4	56.70
	-11.8	-13	172.0	69.93	162.8	67.05	152.8	63.66	147.6	60.55	142.5	57.60	133.4	54.41
	-9.8	-11	172.0	66.90	162.8	64.05	152.8	60.81	147.6	57.90	142.5	55.10	133.4	52.00
	-9.5	-10	172.0	66.45	162.8	63.61	152.8	60.39	147.6	57.49	142.5	54.73	133.4	51.65
	-8.5	-9.1	172.0	64.93	162.8	62.10	152.8	58.98	147.6	56.18	142.5	53.48	133.4	50.43
	-7.0	-7.6	172.0	62.68	162.8	59.85	152.8	56.86	147.6	54.19	142.5	51.63	133.4	48.63
	-5.0	-5.6	172.0	59.65	162.8	56.86	152.8	54.03	147.6	51.53	142.5	49.12	133.4	46.22
	-3.0	-3.7	172.0	56.62	162.8	53.86	152.8	51.20	147.6	48.87	142.5	46.62	133.4	43.81
	0.0	-0.7	172.0	52.07	162.8	49.35	152.8	46.95	147.6	44.90	142.5	42.87	133.4	40.20
	3.0	2.2	172.0	47.54	162.8	44.85	152.8	42.71	147.6	40.92	142.5	39.15	133.4	36.59
	5.0	4.1	172.0	44.51	162.8	41.85	152.8	39.88	147.6	38.27	142.5	36.65	133.4	34.16
	7.0	6.0	172.0	41.48	162.8	38.85	152.8	37.04	147.6	35.59	142.5	34.15	133.4	31.76
	9.0	7.9	172.0	37.00	162.8	34.67	152.8	33.07	147.6	31.76	142.5	30.48	133.4	28.33
	11.0	9.8	172.0	34.55	162.8	32.37	152.8	30.86	147.6	29.67	142.5	28.46	133.4	26.45
	13.0	11.8	172.0	32.37	162.8	30.32	152.8	28.91	147.6	27.79	142.5	26.65	133.4	24.80
15.0	13.7	172.0	30.59	162.8	28.67	152.8	27.33	147.6	26.25	142.5	25.20	133.4	23.43	
50	-24.8	-25	143.5	69.71	135.3	71.21	127.3	67.43	123.2	63.92	119.1	60.60	110.9	57.50
	-21.8	-22	143.5	71.21	135.3	67.43	127.3	63.92	123.2	60.60	119.1	57.50	110.9	54.51
	-19.8	-20	143.5	68.58	135.3	64.92	127.3	61.57	123.2	58.37	119.1	55.44	110.9	52.54
	-18.8	-19	143.5	67.26	135.3	63.67	127.3	60.40	123.2	57.26	119.1	54.40	110.9	51.55
	-16.7	-17	143.5	64.52	135.3	61.05	127.3	57.95	123.2	54.95	119.1	52.23	110.9	49.45
	-13.7	-15	143.5	60.58	135.3	57.28	127.3	54.43	123.2	51.61	119.1	49.14	110.9	46.49
	-11.8	-13	143.5	58.09	135.3	54.90	127.3	52.21	123.2	49.50	119.1	47.17	110.9	44.60
	-9.8	-11	143.5	55.46	135.3	52.40	127.3	49.86	123.2	47.30	119.1	45.12	110.9	42.60
	-9.5	-10	143.5	55.07	135.3	52.03	127.3	49.51	123.2	46.96	119.1	44.82	110.9	42.30
	-8.5	-9.1	143.5	53.77	135.3	50.76	127.3	48.34	123.2	45.84	119.1	43.78	110.9	41.30
	-7.0	-7.6	143.5	51.82	135.3	48.89	127.3	46.59	123.2	44.19	119.1	42.24	110.9	39.82
	-5.0	-5.6	143.5	49.18	135.3	46.38	127.3	44.24	123.2	41.98	119.1	40.17	110.9	37.83
	-3.0	-3.7	143.5	46.56	135.3	43.87	127.3	41.89	123.2	39.75	119.1	38.10	110.9	35.85
	0.0	-0.7	143.5	42.65	135.3	40.10	127.3	38.37	123.2	36.43	119.1	35.00	110.9	32.86
	3.0	2.2	143.5	38.70	135.3	36.34	127.3	34.87	123.2	33.11	119.1	31.90	110.9	29.90
	5.0	4.1	143.5	36.08	135.3	33.84	127.3	32.53	123.2	30.88	119.1	29.86	110.9	27.91
	7.0	6.0	143.5	33.47	135.3	31.33	127.3	30.18	123.2	28.67	119.1	27.79	110.9	25.92
	9.0	7.9	143.5	30.22	135.3	28.30	127.3	27.26	123.2	25.88	119.1	25.10	110.9	23.39
	11.0	9.8	143.5	28.27	135.3	26.48	127.3	25.50	123.2	24.23	119.1	23.48	110.9	21.91
	13.0	11.8	143.5	26.55	135.3	24.87	127.3	23.93	123.2	22.75	119.1	22.05	110.9	20.57
15.0	13.7	143.5	25.11	135.3	23.53	127.3	22.66	123.2	21.51	119.1	20.87	110.9	19.46	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN840BTE5

Heating Capacity (84HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	160.1	91.81	160.1	92.69	159.1	93.42	159.1	94.58	159.1	95.70	156.6	97.42
	-21.8	-22	196.4	93.54	196.4	94.42	195.0	95.18	195.0	96.34	195.0	97.42	191.6	99.18
	-19.8	-20	207.8	94.70	207.8	95.58	206.4	96.34	206.4	97.50	206.4	98.58	203.0	100.3
	-18.8	-19	212.7	95.29	212.7	96.14	211.3	96.90	211.3	98.06	211.3	99.18	207.6	100.9
	-16.7	-17	222.6	96.50	222.6	97.38	221.2	98.11	221.2	99.27	221.2	100.4	217.4	102.1
	-13.7	-15	236.7	98.23	236.7	99.10	235.3	99.86	235.3	101.0	235.3	102.1	231.2	98.27
	-11.8	-13	244.4	99.34	244.4	100.2	243.0	101.0	243.0	102.1	243.0	99.53	240.0	95.81
	-9.8	-11	252.5	100.5	252.5	101.4	251.0	102.1	251.0	99.36	251.0	96.80	248.9	93.24
	-9.5	-10	253.9	100.7	253.9	101.6	252.5	101.7	252.5	98.93	252.1	96.40	250.3	92.87
	-8.5	-9.1	259.0	101.3	259.0	102.1	257.6	100.3	257.6	97.57	256.3	95.02	254.8	91.57
	-7.0	-7.6	266.7	102.1	266.7	100.1	264.9	98.17	264.9	95.49	264.9	92.98	262.0	89.65
	-5.0	-5.6	276.9	99.44	276.9	97.29	275.1	95.34	275.1	92.71	275.1	90.25	271.1	87.08
	-3.0	-3.7	287.1	96.78	287.1	94.54	285.3	92.54	285.3	89.97	285.3	87.52	280.3	84.51
	0.0	-0.7	302.3	92.79	302.3	90.42	300.3	88.30	300.3	85.80	300.3	83.41	294.1	80.64
	3.0	2.2	317.6	88.78	317.6	86.27	315.5	84.07	315.5	81.67	314.0	79.34	294.4	76.79
	5.0	4.1	327.0	86.12	327.0	83.52	325.3	81.24	324.1	78.89	316.1	76.61	294.4	74.22
	7.0	6.0	335.4	83.45	335.4	80.77	333.4	78.41	327.7	76.14	316.1	73.88	294.4	71.65
	9.0	7.9	336.9	81.25	336.9	78.62	335.8	76.36	327.7	74.14	316.1	71.91	294.4	69.76
	11.0	9.8	336.9	79.77	336.9	77.21	335.8	74.96	327.7	72.77	316.1	70.59	294.4	68.48
	13.0	11.8	336.9	78.17	336.9	75.66	335.8	73.45	327.7	71.30	316.1	69.19	294.4	67.12
15.0	13.7	336.9	76.43	336.9	73.96	335.8	71.82	327.7	69.72	316.1	67.65	294.4	65.62	
120	-24.8	-25	159.1	92.69	159.1	93.42	158.0	94.58	158.0	95.70	158.0	97.42	155.5	98.63
	-21.8	-22	195.0	94.42	195.0	95.18	193.6	96.34	193.6	97.42	193.6	99.18	190.5	100.4
	-19.8	-20	206.4	95.58	206.4	96.34	205.0	97.50	205.0	98.58	205.0	100.3	201.6	101.6
	-18.8	-19	211.0	96.14	211.0	96.90	209.6	98.06	209.6	99.18	209.6	100.9	206.2	102.1
	-16.7	-17	220.9	97.38	220.9	98.11	219.5	99.27	219.5	100.4	219.5	102.1	215.7	99.64
	-13.7	-15	234.9	99.10	234.9	99.86	233.5	101.0	233.5	102.1	233.5	98.41	229.5	96.10
	-11.8	-13	242.6	100.2	242.6	101.0	241.2	102.1	241.2	99.49	241.2	96.08	238.2	93.85
	-9.8	-11	250.7	101.4	250.7	102.1	249.3	99.23	249.3	96.76	249.3	93.61	247.2	91.50
	-9.5	-10	252.2	101.6	252.2	101.7	250.8	98.82	250.8	96.33	250.8	93.25	248.7	91.13
	-8.5	-9.1	257.3	102.1	257.3	100.1	255.5	97.37	255.5	94.95	255.5	92.02	253.1	89.94
	-7.0	-7.6	264.9	99.86	264.9	97.86	263.2	95.21	263.2	92.91	263.0	90.17	260.2	88.17
	-5.0	-5.6	275.1	96.84	275.1	94.82	273.3	92.33	273.3	90.15	273.3	87.70	269.4	85.81
	-3.0	-3.7	285.0	93.82	285.0	91.78	283.2	89.45	283.2	87.39	283.2	85.26	276.5	83.46
	0.0	-0.7	300.2	89.29	300.2	87.21	298.1	85.15	298.1	83.27	296.9	81.56	276.5	79.91
	3.0	2.2	315.2	84.76	315.2	82.67	312.5	80.81	307.0	79.13	297.5	77.86	276.5	76.36
	5.0	4.1	324.8	81.74	324.3	79.63	317.6	77.93	307.0	76.37	297.5	75.39	276.5	74.00
	7.0	6.0	333.2	78.71	330.9	76.56	317.6	75.05	307.0	73.64	297.5	72.92	276.5	71.62
	9.0	7.9	334.4	76.44	330.9	74.36	317.6	72.92	307.0	71.51	297.5	70.83	276.5	69.57
	11.0	9.8	334.4	74.85	330.9	72.83	317.6	71.40	307.0	70.03	297.5	69.35	276.5	68.12
	13.0	11.8	334.4	73.14	330.9	71.14	317.6	69.74	307.0	68.41	297.5	67.76	276.5	66.57
15.0	13.7	334.4	71.29	330.9	69.36	317.6	68.00	307.0	66.71	297.5	66.07	276.5	64.88	
110	-24.8	-25	158.3	93.42	158.3	94.58	157.3	95.70	157.3	97.42	157.3	98.63	154.5	99.22
	-21.8	-22	194.0	95.18	194.0	96.34	192.6	97.42	192.6	99.18	192.6	100.4	189.5	101.0
	-19.8	-20	205.3	96.34	205.3	97.50	204.0	98.58	204.0	100.3	204.0	101.6	200.5	102.1
	-18.8	-19	209.9	96.90	209.9	98.06	208.5	99.18	208.5	100.9	208.5	102.1	205.1	100.8
	-16.7	-17	219.8	98.11	219.8	99.27	218.4	100.4	218.4	102.1	218.4	99.44	214.6	98.05
	-13.7	-15	233.6	99.86	233.6	101.0	232.1	102.1	232.1	98.06	232.1	95.58	232.1	94.13
	-11.8	-13	241.3	101.0	241.3	102.1	239.8	99.25	239.8	95.47	239.8	93.16	239.8	91.61
	-9.8	-11	249.3	102.1	249.3	98.88	247.9	96.22	247.9	92.76	247.9	90.60	247.0	88.99
	-9.5	-10	250.8	101.6	250.8	98.38	249.4	95.78	249.4	92.36	249.4	90.21	248.5	88.59
	-8.5	-9.1	255.9	99.86	255.9	96.78	254.4	94.26	254.4	90.99	254.4	88.94	248.8	87.30
	-7.0	-7.6	263.5	97.21	263.5	94.33	261.8	91.98	261.8	88.96	261.8	87.00	248.8	85.32
	-5.0	-5.6	273.4	93.73	273.4	91.10	271.6	88.98	271.6	86.26	266.3	84.44	248.8	82.70
	-3.0	-3.7	283.5	90.24	283.5	87.84	281.6	85.94	275.8	83.55	266.3	81.88	248.8	80.07
	0.0	-0.7	298.5	84.98	298.1	82.99	284.9	81.42	275.8	79.47	266.3	78.05	248.8	76.12
	3.0	2.2	313.0	79.72	303.8	78.13	284.9	76.90	275.8	75.39	266.3	74.20	248.8	72.20
	5.0	4.1	321.4	76.23	303.8	74.88	284.9	73.86	275.8	72.68	266.3	71.64	248.8	69.58
	7.0	6.0	321.4	72.75	303.8	71.65	284.9	70.83	275.8	69.97	266.3	69.08	248.8	66.95
	9.0	7.9	321.4	70.32	303.8	69.26	284.9	68.51	275.8	67.65	266.3	66.80	248.8	64.74
	11.0	9.8	321.4	68.54	303.8	67.49	284.9	66.73	275.8	65.92	266.3	65.09	248.8	63.08
	13.0	11.8	321.4	66.59	303.8	65.60	284.9	64.85	275.8	64.07	266.3	63.25	248.8	61.31
15.0	13.7	321.4	64.55	303.8	63.57	284.9	62.86	275.8	62.11	266.3	61.29	248.8	59.42	

# 7. Capacity Tables

Heating Capacity (84HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	157.6	103.9	157.6	103.7	156.6	97.15	156.6	103.1	156.6	102.8	153.8	102.7
	-21.8	-22	192.9	103.6	192.9	103.3	191.9	100.2	191.9	102.7	191.9	103.9	188.4	102.4
	-19.8	-20	204.3	103.3	204.3	103.1	203.2	102.2	203.2	102.5	203.2	102.7	199.8	102.1
	-18.8	-19	208.9	103.2	207.8	103.0	207.8	102.7	207.8	102.4	207.8	102.1	204.1	100.5
	-16.7	-17	217.4	103.0	217.4	102.7	217.4	103.9	216.3	102.1	216.3	98.79	212.5	97.12
	-13.7	-15	232.5	102.6	232.5	102.4	231.1	102.1	231.1	97.31	231.1	94.07	227.4	92.31
	-11.8	-13	240.2	102.4	238.8	102.1	238.8	98.91	238.8	94.26	238.8	91.07	227.4	89.25
	-9.8	-11	247.9	102.1	247.9	98.51	246.9	95.50	246.9	91.04	243.9	87.90	227.4	86.04
	-9.5	-10	249.4	101.6	249.4	97.97	248.3	94.99	248.3	90.57	243.9	87.43	227.4	85.54
	-8.5	-9.1	254.5	99.65	254.5	96.17	253.4	93.30	252.3	88.96	243.9	85.83	227.4	83.94
	-7.0	-7.6	266.3	96.83	265.3	93.47	260.7	90.75	252.3	86.56	243.9	83.47	227.4	81.52
	-5.0	-5.6	277.9	93.07	275.1	89.86	260.7	87.37	252.3	83.37	243.9	80.32	227.4	78.31
	-3.0	-3.7	286.0	89.28	277.5	86.23	260.7	83.99	252.3	80.15	243.9	77.15	227.4	75.10
	0.0	-0.7	294.0	83.64	277.5	80.83	260.7	78.88	252.3	75.35	243.9	72.40	227.4	70.26
	3.0	2.2	294.0	77.97	277.5	75.42	260.7	73.81	252.3	70.52	243.9	67.68	227.4	65.44
	5.0	4.1	294.0	74.18	277.5	71.82	260.7	70.40	252.3	67.33	243.9	64.50	227.4	62.20
	7.0	6.0	294.0	70.42	277.5	68.22	260.7	67.02	252.3	64.11	243.9	61.36	227.4	58.99
	9.0	7.9	294.0	67.74	277.5	65.62	260.7	64.49	252.3	61.68	243.9	59.02	227.4	56.76
	11.0	9.8	294.0	65.63	277.5	63.59	260.7	62.46	252.3	59.77	243.9	57.18	227.4	55.00
	13.0	11.8	294.0	63.38	277.5	61.41	260.7	60.33	252.3	57.71	243.9	55.23	227.4	53.13
15.0	13.7	294.0	61.02	277.5	59.09	260.7	58.08	252.3	55.55	243.9	53.15	227.4	51.12	
90	-24.8	-25	156.9	92.13	156.9	93.86	155.9	95.09	155.9	95.66	155.9	96.82	153.4	98.54
	-21.8	-22	192.2	93.86	192.2	95.61	191.2	96.82	191.2	97.38	191.2	98.54	187.7	94.33
	-19.8	-20	203.6	95.02	203.6	96.74	202.2	97.98	202.2	98.54	202.2	99.67	198.8	91.50
	-18.8	-19	208.9	95.61	207.8	97.34	206.8	98.54	206.8	97.05	206.8	94.21	203.4	90.08
	-16.7	-17	217.4	96.82	217.4	98.54	216.6	95.48	216.6	93.93	216.6	91.17	207.7	87.11
	-13.7	-15	232.5	98.54	232.5	93.98	230.4	91.07	230.4	89.45	223.8	86.84	207.7	82.87
	-11.8	-13	240.2	95.40	238.8	91.06	237.8	88.29	231.2	86.64	223.8	84.07	207.7	80.18
	-9.8	-11	247.9	92.11	247.9	88.02	238.6	85.34	231.2	83.66	223.8	81.20	207.7	77.38
	-9.5	-10	249.4	91.61	249.4	87.56	238.6	84.91	231.2	83.20	223.8	80.77	207.7	76.96
	-8.5	-9.1	254.5	89.97	252.7	86.03	238.6	83.45	231.2	81.71	223.8	79.32	207.7	75.54
	-7.0	-7.6	266.3	87.50	253.3	83.75	238.6	81.24	231.2	79.47	223.8	77.15	207.7	73.42
	-5.0	-5.6	269.1	84.18	253.3	80.68	238.6	78.29	231.2	76.52	223.8	74.25	207.7	70.59
	-3.0	-3.7	269.1	80.89	253.3	77.65	238.6	75.37	231.2	73.53	223.8	71.34	207.7	67.76
	0.0	-0.7	269.1	75.92	253.3	73.05	238.6	70.96	231.2	69.06	223.8	67.01	207.7	63.52
	3.0	2.2	269.1	70.96	253.3	68.49	238.6	66.58	231.2	64.58	223.8	62.68	207.7	59.30
	5.0	4.1	269.1	67.67	253.3	65.42	238.6	63.63	231.2	61.60	223.8	59.78	207.7	56.47
	7.0	6.0	269.1	64.35	253.3	62.36	238.6	60.71	231.2	58.62	223.8	56.87	207.7	53.64
	9.0	7.9	269.1	61.25	253.3	59.36	238.6	57.76	231.2	55.80	223.8	54.13	207.7	51.05
	11.0	9.8	269.1	58.12	253.3	56.34	238.6	54.84	231.2	52.96	223.8	51.39	207.7	48.45
	13.0	11.8	269.1	55.02	253.3	53.32	238.6	51.88	231.2	50.11	223.8	48.64	207.7	45.85
15.0	13.7	269.1	51.92	253.3	50.32	238.6	48.96	231.2	47.30	223.8	45.87	207.7	43.25	
80	-24.8	-25	156.2	80.96	156.2	82.69	155.2	83.93	155.2	84.49	155.2	87.38	152.7	83.66
	-21.8	-22	190.1	82.69	190.1	84.45	190.1	85.65	190.1	87.38	190.1	83.66	185.6	80.09
	-19.8	-20	201.5	83.85	201.5	85.61	201.5	87.38	201.5	84.75	199.4	81.18	185.6	77.69
	-18.8	-19	206.1	84.45	206.1	87.38	206.1	86.06	206.1	83.44	199.6	79.94	185.6	76.49
	-16.7	-17	213.3	87.38	213.3	84.60	213.3	83.26	207.0	80.68	199.6	77.33	185.6	73.98
	-13.7	-15	223.1	83.28	218.6	80.62	213.3	79.25	207.0	76.74	199.6	73.61	185.6	70.41
	-11.8	-13	228.5	80.64	221.8	78.13	213.3	76.72	207.0	74.23	199.6	71.24	185.6	68.15
	-9.8	-11	234.5	77.90	225.0	75.46	213.3	74.06	207.0	71.61	199.6	68.76	185.6	65.75
	-9.5	-10	236.2	77.50	226.3	75.07	213.3	73.67	207.0	71.22	199.6	68.37	185.6	65.40
	-8.5	-9.1	238.7	76.12	227.4	73.75	213.3	72.32	207.0	69.90	199.6	67.13	185.6	64.20
	-7.0	-7.6	241.1	74.05	227.4	71.76	213.3	70.33	207.0	67.92	199.6	65.26	185.6	62.43
	-5.0	-5.6	241.1	71.31	227.4	69.10	213.3	67.64	207.0	65.30	199.6	62.78	185.6	60.03
	-3.0	-3.7	241.1	68.56	227.4	66.46	213.3	64.97	207.0	62.64	199.6	60.30	185.6	57.66
	0.0	-0.7	241.1	64.43	227.4	62.48	213.3	60.99	207.0	58.71	199.6	56.58	185.6	54.06
	3.0	2.2	241.1	60.30	227.4	58.53	213.3	56.98	207.0	54.77	199.6	52.84	185.6	50.49
	5.0	4.1	241.1	57.55	227.4	55.86	213.3	54.32	207.0	52.12	199.6	50.36	185.6	48.09
	7.0	6.0	241.1	54.81	227.4	53.23	213.3	51.65	207.0	49.49	199.6	47.88	185.6	45.72
	9.0	7.9	241.1	51.48	227.4	49.97	213.3	48.50	207.0	46.48	199.6	44.96	185.6	42.91
	11.0	9.8	241.1	47.78	227.4	46.37	213.3	45.00	207.0	43.15	199.6	41.71	185.6	39.82
	13.0	11.8	241.1	44.59	227.4	43.29	213.3	42.02	207.0	40.27	199.6	38.93	185.6	37.18
15.0	13.7	241.1	41.98	227.4	40.75	213.3	39.55	207.0	37.90	199.6	36.66	185.6	35.02	

# 7. Capacity Tables

Heating Capacity (84HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	156.2	81.72	156.2	82.28	155.2	83.45	155.2	85.20	155.2	81.13	152.6	77.37
	-21.8	-22	182.8	83.45	182.8	84.04	181.7	85.20	175.4	81.13	170.2	77.37	158.9	73.69
	-19.8	-20	200.5	84.61	193.0	85.20	181.7	82.35	175.4	78.45	170.2	74.84	158.9	71.24
	-18.8	-19	204.3	85.20	193.0	83.72	181.7	80.91	175.4	77.09	170.2	73.58	158.9	70.74
	-16.7	-17	204.5	82.14	193.0	80.63	181.7	77.95	175.4	74.27	170.2	70.91	158.9	67.48
	-13.7	-15	204.5	77.80	193.0	76.22	181.7	73.70	175.4	70.20	170.2	67.12	158.9	63.80
	-11.8	-13	204.5	75.01	193.0	73.44	181.7	70.99	175.4	67.63	170.2	64.73	158.9	61.49
	-9.8	-11	204.5	72.12	193.0	70.48	181.7	68.14	175.4	64.96	170.2	62.20	158.9	59.03
	-9.5	-10	204.5	71.69	193.0	70.06	181.7	67.72	175.4	64.54	170.2	61.81	158.9	58.68
	-8.5	-9.1	204.5	70.25	193.0	68.58	181.7	66.31	175.4	63.20	170.2	60.55	158.9	57.45
	-7.0	-7.6	204.5	68.06	193.0	66.39	181.7	64.16	175.4	61.16	170.2	58.68	158.9	55.63
	-5.0	-5.6	204.5	65.14	193.0	63.44	181.7	61.31	175.4	58.46	170.2	56.16	158.9	53.18
	-3.0	-3.7	204.5	62.24	193.0	60.51	181.7	58.49	175.4	55.75	170.2	53.63	158.9	50.75
	0.0	-0.7	204.5	57.90	193.0	56.11	181.7	54.21	175.4	51.71	170.2	49.84	158.9	47.07
	3.0	2.2	204.5	53.53	193.0	51.67	181.7	49.95	175.4	47.67	170.2	46.04	158.9	43.43
	5.0	4.1	204.5	50.64	193.0	48.75	181.7	47.13	175.4	44.96	170.2	43.52	158.9	40.97
	7.0	6.0	204.5	47.74	193.0	45.82	181.7	44.28	175.4	42.26	170.2	40.99	158.9	38.55
	9.0	7.9	204.5	43.11	193.0	41.36	181.7	39.99	175.4	38.17	170.2	37.01	158.9	34.81
	11.0	9.8	204.5	40.13	193.0	38.52	181.7	37.22	175.4	35.53	170.2	34.47	158.9	32.41
	13.0	11.8	204.5	37.56	193.0	36.05	181.7	34.82	175.4	33.27	170.2	32.24	158.9	30.32
15.0	13.7	204.5	35.40	193.0	33.99	181.7	32.83	175.4	31.35	170.2	30.39	158.9	28.57	
60	-24.8	-25	155.6	80.56	155.6	81.72	154.6	83.45	150.5	79.15	145.3	75.11	136.1	71.31
	-21.8	-22	167.4	82.28	166.0	83.45	155.8	79.15	150.5	75.11	145.3	71.31	136.1	67.65
	-19.8	-20	175.4	83.45	166.0	80.41	155.8	76.29	150.5	72.42	145.3	68.76	136.1	65.18
	-18.8	-19	175.4	81.91	166.0	78.90	155.8	74.83	150.5	71.06	145.3	67.51	136.1	63.96
	-16.7	-17	175.4	78.69	166.0	75.69	155.8	71.82	150.5	68.24	145.3	64.86	136.1	61.42
	-13.7	-15	175.4	74.11	166.0	71.15	155.8	67.53	150.5	64.19	145.3	61.06	136.1	57.73
	-11.8	-13	175.4	71.17	166.0	68.25	155.8	64.81	150.5	61.64	145.3	58.65	136.1	55.40
	-9.8	-11	175.4	68.10	166.0	65.21	155.8	61.91	150.5	58.96	145.3	56.11	136.1	52.96
	-9.5	-10	175.4	67.64	166.0	64.76	155.8	61.49	150.5	58.54	145.3	55.73	136.1	52.61
	-8.5	-9.1	175.4	66.10	166.0	63.22	155.8	60.06	150.5	57.21	145.3	54.47	136.1	51.36
	-7.0	-7.6	175.4	63.83	166.0	60.95	155.8	57.90	150.5	55.19	145.3	52.59	136.1	49.54
	-5.0	-5.6	175.4	60.75	166.0	57.91	155.8	55.04	150.5	52.50	145.3	50.04	136.1	47.10
	-3.0	-3.7	175.4	57.68	166.0	54.87	155.8	52.17	150.5	49.79	145.3	47.50	136.1	44.64
	0.0	-0.7	175.4	53.06	166.0	50.30	155.8	47.85	150.5	45.77	145.3	43.70	136.1	40.98
	3.0	2.2	175.4	48.48	166.0	45.73	155.8	43.55	150.5	41.73	145.3	39.93	136.1	37.32
	5.0	4.1	175.4	45.40	166.0	42.69	155.8	40.69	150.5	39.04	145.3	37.39	136.1	34.85
	7.0	6.0	175.4	42.33	166.0	39.65	155.8	37.80	150.5	36.32	145.3	34.85	136.1	32.41
	9.0	7.9	175.4	37.76	166.0	35.39	155.8	33.75	150.5	32.41	145.3	31.11	136.1	28.91
	11.0	9.8	175.4	35.26	166.0	33.03	155.8	31.49	150.5	30.28	145.3	29.05	136.1	26.99
	13.0	11.8	175.4	33.03	166.0	30.94	155.8	29.50	150.5	28.36	145.3	27.20	136.1	25.31
15.0	13.7	175.4	31.21	166.0	29.26	155.8	27.89	150.5	26.79	145.3	25.72	136.1	23.91	
50	-24.8	-25	146.3	70.80	137.9	72.56	129.8	68.72	125.6	65.14	121.4	61.77	113.0	58.61
	-21.8	-22	146.3	72.56	137.9	68.72	129.8	65.14	125.6	61.77	121.4	58.61	113.0	55.56
	-19.8	-20	146.3	69.88	137.9	66.16	129.8	62.75	125.6	59.49	121.4	56.51	113.0	53.56
	-18.8	-19	146.3	68.54	137.9	64.89	129.8	61.56	125.6	58.36	121.4	55.45	113.0	52.55
	-16.7	-17	146.3	65.76	137.9	62.22	129.8	59.06	125.6	56.01	121.4	53.24	113.0	50.41
	-13.7	-15	146.3	61.74	137.9	58.38	129.8	55.48	125.6	52.61	121.4	50.09	113.0	47.40
	-11.8	-13	146.3	59.21	137.9	55.96	129.8	53.22	125.6	50.46	121.4	48.09	113.0	45.47
	-9.8	-11	146.3	56.53	137.9	53.42	129.8	50.83	125.6	48.22	121.4	46.01	113.0	43.44
	-9.5	-10	146.3	56.14	137.9	53.04	129.8	50.48	125.6	47.87	121.4	45.70	113.0	43.13
	-8.5	-9.1	146.3	54.81	137.9	51.74	129.8	49.29	125.6	46.74	121.4	44.64	113.0	42.11
	-7.0	-7.6	146.3	52.83	137.9	49.84	129.8	47.50	125.6	45.06	121.4	43.07	113.0	40.60
	-5.0	-5.6	146.3	50.15	137.9	47.30	129.8	45.11	125.6	42.81	121.4	40.96	113.0	38.57
	-3.0	-3.7	146.3	47.48	137.9	44.74	129.8	42.72	125.6	40.53	121.4	38.86	113.0	36.57
	0.0	-0.7	146.3	43.50	137.9	40.90	129.8	39.13	125.6	37.16	121.4	35.70	113.0	33.52
	3.0	2.2	146.3	39.48	137.9	37.07	129.8	35.58	125.6	33.78	121.4	32.54	113.0	30.51
	5.0	4.1	146.3	36.81	137.9	34.53	129.8	33.19	125.6	31.51	121.4	30.47	113.0	28.48
	7.0	6.0	146.3	34.16	137.9	31.97	129.8	30.80	125.6	29.26	121.4	28.36	113.0	26.45
	9.0	7.9	146.3	30.84	137.9	28.88	129.8	27.82	125.6	26.41	121.4	25.62	113.0	23.87
	11.0	9.8	146.3	28.85	137.9	27.03	129.8	26.03	125.6	24.73	121.4	23.97	113.0	22.36
	13.0	11.8	146.3	27.10	137.9	25.38	129.8	24.42	125.6	23.22	121.4	22.50	113.0	20.99
15.0	13.7	146.3	25.62	137.9	24.01	129.8	23.12	125.6	21.95	121.4	21.30	113.0	19.86	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN860BTE5

Heating Capacity (86HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	163.5	93.88	163.5	94.68	162.5	95.34	162.5	96.40	162.5	97.42	159.5	98.99
	-21.8	-22	201.3	95.45	201.3	96.25	199.8	96.94	199.8	98.00	199.8	98.99	195.9	100.6
	-19.8	-20	213.3	96.51	213.3	97.31	211.9	98.00	211.9	99.06	211.9	100.1	207.9	101.6
	-18.8	-19	218.3	97.05	218.3	97.82	216.9	98.52	216.9	99.58	216.9	100.6	212.6	102.2
	-16.7	-17	228.5	98.15	228.5	98.95	227.0	99.61	227.0	100.7	227.0	101.7	222.7	103.3
	-13.7	-15	242.9	99.72	242.9	100.5	241.5	101.2	241.5	102.3	241.5	103.3	236.8	99.52
	-11.8	-13	250.8	100.7	250.8	101.5	249.4	102.2	249.4	103.3	249.4	100.8	245.8	97.12
	-9.8	-11	259.1	101.8	259.1	102.6	257.6	103.3	257.6	100.6	257.6	98.10	255.2	94.61
	-9.5	-10	260.6	102.0	260.6	102.8	259.1	102.9	259.1	100.2	258.8	97.71	256.7	94.25
	-8.5	-9.1	265.6	102.5	265.6	103.3	264.1	101.5	264.1	98.88	263.0	96.37	261.4	92.98
	-7.0	-7.6	273.1	103.3	273.1	101.3	271.3	99.48	271.3	96.87	271.3	94.39	268.3	91.11
	-5.0	-5.6	283.2	100.8	283.2	98.67	281.4	96.76	281.4	94.18	281.4	91.74	277.7	88.60
	-3.0	-3.7	293.2	98.24	293.2	96.05	291.4	94.07	291.4	91.53	291.4	89.09	287.1	86.09
	0.0	-0.7	308.3	94.48	308.3	92.12	306.2	90.00	306.2	87.50	306.2	85.10	301.2	82.32
	3.0	2.2	323.4	90.69	323.4	88.16	321.2	85.93	321.2	83.50	321.2	81.14	301.5	78.57
	5.0	4.1	333.1	88.18	333.1	85.54	331.3	83.21	331.3	80.82	323.8	78.49	301.5	76.06
	7.0	6.0	343.2	85.67	343.2	82.92	341.0	80.49	335.6	78.16	323.8	75.84	301.5	73.55
	9.0	7.9	345.0	83.61	345.0	80.90	343.9	78.57	335.6	76.29	323.8	74.00	301.5	71.78
	11.0	9.8	345.0	82.29	345.0	79.65	343.9	77.33	335.6	75.08	323.8	72.83	301.5	70.65
	13.0	11.8	345.0	80.87	345.0	78.27	343.9	75.98	335.6	73.76	323.8	71.58	301.5	69.43
15.0	13.7	345.0	79.31	345.0	76.74	343.9	74.52	335.6	72.34	323.8	70.20	301.5	68.09	
120	-24.8	-25	162.4	94.68	162.4	95.34	161.4	96.40	161.4	97.42	161.4	98.99	158.4	100.1
	-21.8	-22	199.8	96.25	199.8	96.94	198.4	98.00	198.4	98.99	198.4	100.6	194.8	101.7
	-19.8	-20	211.8	97.31	211.8	98.00	210.4	99.06	210.4	100.1	210.4	101.6	206.4	102.8
	-18.8	-19	216.6	97.82	216.6	98.52	215.1	99.58	215.1	100.6	215.1	102.2	211.1	103.3
	-16.7	-17	226.7	98.95	226.7	99.61	225.3	100.7	225.3	101.7	225.3	103.3	220.9	100.9
	-13.7	-15	241.1	100.5	241.1	101.2	239.7	102.3	239.7	103.3	239.7	99.66	235.0	97.40
	-11.8	-13	249.0	101.5	249.0	102.2	247.6	103.3	247.6	100.7	247.6	97.40	244.0	95.21
	-9.8	-11	257.3	102.6	257.3	103.3	255.8	100.5	255.8	98.07	255.8	95.00	253.4	92.91
	-9.5	-10	258.8	102.8	258.8	102.8	257.3	100.1	257.3	97.65	257.3	94.64	254.9	92.56
	-8.5	-9.1	263.8	103.3	263.8	101.4	262.0	98.67	262.0	96.31	262.0	93.44	259.3	91.39
	-7.0	-7.6	271.3	101.1	271.3	99.16	269.5	96.58	269.5	94.32	269.5	91.64	266.5	89.66
	-5.0	-5.6	281.3	98.21	281.3	96.23	279.5	93.79	279.5	91.64	279.5	89.24	275.9	87.37
	-3.0	-3.7	291.1	95.31	291.1	93.29	289.3	91.00	289.3	88.95	289.3	86.87	283.2	85.07
	0.0	-0.7	306.1	90.96	306.1	88.88	304.0	86.83	304.0	84.96	304.0	83.26	283.2	81.61
	3.0	2.2	320.9	86.60	320.9	84.49	319.0	82.63	314.5	80.93	304.7	79.66	283.2	78.15
	5.0	4.1	330.9	83.70	330.9	81.56	325.2	79.83	314.5	78.25	304.7	77.26	283.2	75.85
	7.0	6.0	341.0	80.80	338.8	78.59	325.2	77.04	314.5	75.59	304.7	74.86	283.2	73.52
	9.0	7.9	342.4	78.65	338.8	76.50	325.2	75.02	314.5	73.58	304.7	72.87	283.2	71.57
	11.0	9.8	342.4	77.19	338.8	75.11	325.2	73.63	314.5	72.23	304.7	71.53	283.2	70.26
	13.0	11.8	342.4	75.63	338.8	73.56	325.2	72.11	314.5	70.74	304.7	70.07	283.2	68.84
15.0	13.7	342.4	73.93	338.8	71.92	325.2	70.51	314.5	69.18	304.7	68.51	283.2	67.28	
110	-24.8	-25	161.7	95.34	161.7	96.40	160.6	97.42	160.6	98.99	160.6	100.1	157.4	100.6
	-21.8	-22	198.7	96.94	198.7	98.00	197.3	98.99	197.3	100.6	197.3	101.7	193.7	102.2
	-19.8	-20	210.8	98.00	210.8	99.06	209.3	100.1	209.3	101.6	209.3	102.8	205.4	103.3
	-18.8	-19	215.5	98.52	215.5	99.58	214.0	100.6	214.0	102.2	214.0	103.3	210.1	102.0
	-16.7	-17	225.6	99.61	225.6	100.7	224.2	101.7	224.2	103.3	224.2	100.7	219.8	99.27
	-13.7	-15	239.7	101.2	239.7	102.3	238.3	103.3	238.3	99.31	238.3	96.87	238.3	95.42
	-11.8	-13	247.6	102.2	247.6	103.3	246.2	100.5	246.2	96.77	246.2	94.50	246.2	92.95
	-9.8	-11	255.9	103.3	255.9	100.1	254.4	97.51	254.4	94.12	254.4	92.00	253.5	90.38
	-9.5	-10	257.3	102.8	257.3	99.63	255.9	97.08	255.9	93.73	255.9	91.61	254.8	89.99
	-8.5	-9.1	262.3	101.1	262.3	98.07	260.9	95.60	260.9	92.39	260.9	90.37	254.8	88.71
	-7.0	-7.6	269.9	98.50	269.9	95.67	268.1	93.38	268.1	90.41	268.1	88.47	254.8	86.77
	-5.0	-5.6	279.6	95.10	279.6	92.52	277.8	90.44	277.8	87.76	272.8	85.96	254.8	84.20
	-3.0	-3.7	289.6	91.71	289.6	89.35	287.8	87.48	282.4	85.11	272.8	83.45	254.8	81.62
	0.0	-0.7	304.4	86.59	304.4	84.61	291.8	83.06	282.4	81.12	272.8	79.71	254.8	77.74
	3.0	2.2	319.1	81.47	311.2	79.88	291.8	78.64	282.4	77.13	272.8	75.93	254.8	73.88
	5.0	4.1	329.1	78.07	311.2	76.70	291.8	75.68	282.4	74.48	272.8	73.42	254.8	71.31
	7.0	6.0	329.2	74.68	311.2	73.55	291.8	72.71	282.4	71.83	272.8	70.91	254.8	68.73
	9.0	7.9	329.2	72.35	311.2	71.26	291.8	70.48	282.4	69.60	272.8	68.72	254.8	66.61
	11.0	9.8	329.2	70.68	311.2	69.59	291.8	68.82	282.4	67.97	272.8	67.12	254.8	65.05
	13.0	11.8	329.2	68.84	311.2	67.82	291.8	67.05	282.4	66.24	272.8	65.39	254.8	63.38
15.0	13.7	329.2	66.93	311.2	65.91	291.8	65.17	282.4	64.39	272.8	63.55	254.8	61.61	

# 7. Capacity Tables

Heating Capacity (86HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	161.0	105.7	161.0	105.4	159.9	98.52	159.9	104.6	159.9	104.3	156.7	104.1
	-21.8	-22	197.7	105.3	197.7	104.9	196.6	101.6	196.6	104.1	196.6	105.2	192.7	103.6
	-19.8	-20	209.7	104.9	209.7	104.6	208.6	103.6	208.6	103.8	208.6	103.9	204.6	103.3
	-18.8	-19	214.4	104.7	213.3	104.4	213.3	104.1	213.3	103.6	213.3	103.3	209.0	101.7
	-16.7	-17	223.1	104.4	223.1	104.1	223.1	105.2	222.0	103.3	222.0	99.98	217.7	98.33
	-13.7	-15	238.6	103.9	238.6	103.6	237.2	103.3	237.2	98.53	237.2	95.32	232.9	93.56
	-11.8	-13	246.5	103.6	245.1	103.3	245.1	100.1	245.1	95.53	245.1	92.35	232.9	90.52
	-9.8	-11	254.5	103.3	254.5	99.73	253.3	96.77	253.3	92.36	249.8	89.22	232.9	87.35
	-9.5	-10	255.9	102.7	255.9	99.20	254.8	96.27	254.8	91.90	249.8	88.76	232.9	86.85
	-8.5	-9.1	260.9	100.9	260.9	97.44	259.8	94.61	258.4	90.31	249.8	87.17	232.9	85.27
	-7.0	-7.6	272.8	98.11	271.7	94.79	267.0	92.11	258.4	87.94	249.8	84.84	232.9	82.87
	-5.0	-5.6	284.6	94.43	281.8	91.26	267.0	88.79	258.4	84.80	249.8	81.73	232.9	79.69
	-3.0	-3.7	292.9	90.73	284.2	87.69	267.0	85.47	258.4	81.62	249.8	78.59	232.9	76.51
	0.0	-0.7	301.1	85.21	284.2	82.39	267.0	80.45	258.4	76.89	249.8	73.90	232.9	71.71
	3.0	2.2	301.1	79.67	284.2	77.10	267.0	75.47	258.4	72.13	249.8	69.24	232.9	66.95
	5.0	4.1	301.1	75.96	284.2	73.56	267.0	72.12	258.4	68.98	249.8	66.10	232.9	63.74
	7.0	6.0	301.1	72.29	284.2	70.03	267.0	68.80	258.4	65.81	249.8	62.99	232.9	60.56
	9.0	7.9	301.1	69.71	284.2	67.53	267.0	66.37	258.4	63.48	249.8	60.74	232.9	58.42
	11.0	9.8	301.1	67.74	284.2	65.62	267.0	64.47	258.4	61.69	249.8	59.01	232.9	56.76
	13.0	11.8	301.1	65.62	284.2	63.58	267.0	62.46	258.4	59.75	249.8	57.18	232.9	55.00
15.0	13.7	301.1	63.39	284.2	61.39	267.0	60.34	258.4	57.71	249.8	55.21	232.9	53.10	
90	-24.8	-25	160.3	93.90	160.3	95.47	159.2	96.60	159.2	97.12	159.2	98.17	156.3	99.75
	-21.8	-22	197.0	95.47	197.0	97.08	195.9	98.17	195.9	98.69	195.9	99.75	191.9	95.55
	-19.8	-20	209.0	96.53	209.0	98.10	207.6	99.23	207.6	99.75	207.6	96.89	203.6	92.74
	-18.8	-19	214.4	97.08	213.3	98.65	212.3	99.75	212.3	98.27	212.3	95.45	208.3	91.33
	-16.7	-17	223.1	98.17	223.1	99.75	222.3	96.72	222.3	95.17	222.3	92.42	212.7	88.37
	-13.7	-15	238.6	99.75	238.6	95.24	236.5	92.35	236.5	90.73	229.2	88.13	212.7	84.15
	-11.8	-13	246.5	96.65	245.1	92.35	244.0	89.60	236.8	87.95	229.2	85.38	212.7	81.47
	-9.8	-11	254.5	93.41	254.5	89.36	244.4	86.69	236.8	84.99	229.2	82.53	212.7	78.69
	-9.5	-10	255.9	92.92	255.9	88.90	244.4	86.26	236.8	84.54	229.2	82.10	212.7	78.27
	-8.5	-9.1	260.9	91.30	259.1	87.39	244.4	84.82	236.8	83.06	229.2	80.66	212.7	76.86
	-7.0	-7.6	272.8	88.86	259.5	85.13	244.4	82.63	236.8	80.84	229.2	78.51	212.7	74.75
	-5.0	-5.6	275.7	85.59	259.5	82.11	244.4	79.71	236.8	77.92	229.2	75.63	212.7	71.93
	-3.0	-3.7	275.7	82.35	259.5	79.11	244.4	76.83	236.8	74.96	229.2	72.74	212.7	69.12
	0.0	-0.7	275.7	77.46	259.5	74.57	244.4	72.46	236.8	70.52	229.2	68.45	212.7	64.89
	3.0	2.2	275.7	72.57	259.5	70.07	244.4	68.13	236.8	66.09	229.2	64.15	212.7	60.70
	5.0	4.1	275.7	69.33	259.5	67.04	244.4	65.21	236.8	63.13	229.2	61.27	212.7	57.88
	7.0	6.0	275.7	66.05	259.5	64.01	244.4	62.32	236.8	60.17	229.2	58.38	212.7	55.07
	9.0	7.9	275.7	62.99	259.5	61.05	244.4	59.40	236.8	57.39	229.2	55.67	212.7	52.50
	11.0	9.8	275.7	59.89	259.5	58.06	244.4	56.51	236.8	54.58	229.2	52.96	212.7	49.93
	13.0	11.8	275.7	56.83	259.5	55.07	244.4	53.59	236.8	51.76	229.2	50.24	212.7	47.36
15.0	13.7	275.7	53.76	259.5	52.11	244.4	50.70	236.8	48.98	229.2	47.50	212.7	44.79	
80	-24.8	-25	159.6	82.60	159.6	84.17	158.5	85.30	158.5	85.81	158.5	88.45	155.6	84.75
	-21.8	-22	194.8	84.17	194.8	85.77	194.8	86.87	194.8	88.45	194.8	84.75	190.1	81.19
	-19.8	-20	206.8	85.23	206.8	86.83	206.8	88.45	206.8	85.84	204.4	82.28	190.1	78.80
	-18.8	-19	211.5	85.77	211.5	88.45	211.5	87.14	211.5	84.54	204.4	81.05	190.1	77.60
	-16.7	-17	218.5	88.45	218.5	85.70	218.5	84.36	212.0	81.79	204.4	78.44	190.1	75.10
	-13.7	-15	228.5	84.39	223.9	81.76	218.5	80.38	212.0	77.88	204.4	74.75	190.1	71.54
	-11.8	-13	234.0	81.79	227.1	79.29	218.5	77.88	212.0	75.38	204.4	72.39	190.1	69.29
	-9.8	-11	240.1	79.08	230.4	76.65	218.5	75.24	212.0	72.78	204.4	69.92	190.1	66.90
	-9.5	-10	241.9	78.69	231.8	76.26	218.5	74.85	212.0	72.39	204.4	69.54	190.1	66.55
	-8.5	-9.1	244.4	77.32	232.8	74.96	218.5	73.52	212.0	71.08	204.4	68.31	190.1	65.35
	-7.0	-7.6	246.9	75.28	232.8	72.99	218.5	71.54	212.0	69.11	204.4	66.44	190.1	63.59
	-5.0	-5.6	246.9	72.57	232.8	70.35	218.5	68.87	212.0	66.51	204.4	63.98	190.1	61.19
	-3.0	-3.7	246.9	69.85	232.8	67.74	218.5	66.23	212.0	63.87	204.4	61.51	190.1	58.83
	0.0	-0.7	246.9	65.77	232.8	63.80	218.5	62.28	212.0	59.96	204.4	57.81	190.1	55.24
	3.0	2.2	246.9	61.69	232.8	59.89	218.5	58.31	212.0	56.05	204.4	54.08	190.1	51.69
	5.0	4.1	246.9	58.98	232.8	57.25	218.5	55.67	212.0	53.42	204.4	51.62	190.1	49.29
	7.0	6.0	246.9	56.27	232.8	54.64	218.5	53.03	212.0	50.81	204.4	49.15	190.1	46.93
	9.0	7.9	246.9	52.85	232.8	51.30	218.5	49.79	212.0	47.71	204.4	46.16	190.1	44.05
	11.0	9.8	246.9	49.05	232.8	47.60	218.5	46.20	212.0	44.29	204.4	42.82	190.1	40.88
	13.0	11.8	246.9	45.77	232.8	44.44	218.5	43.13	212.0	41.34	204.4	39.97	190.1	38.17
15.0	13.7	246.9	43.10	232.8	41.83	218.5	40.60	212.0	38.91	204.4	37.64	190.1	35.95	



# 7. Capacity Tables

Heating Capacity (86HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	159.6	83.22	159.6	83.74	158.5	84.80	158.5	86.40	158.5	82.32	155.6	78.55
	-21.8	-22	187.2	84.80	187.2	85.34	186.1	86.40	179.7	82.32	174.3	78.55	162.8	74.85
	-19.8	-20	205.7	85.85	197.7	86.40	186.1	83.55	179.7	79.64	174.3	76.01	162.8	72.39
	-18.8	-19	209.5	86.40	197.7	84.92	186.1	82.11	179.7	78.27	174.3	74.75	162.8	71.19
	-16.7	-17	209.5	83.34	197.7	81.83	186.1	79.15	179.7	75.45	174.3	72.07	162.8	68.62
	-13.7	-15	209.5	79.01	197.7	77.42	186.1	74.89	179.7	71.37	174.3	68.27	162.8	64.93
	-11.8	-13	209.5	76.23	197.7	74.64	186.1	72.18	179.7	68.80	174.3	65.88	162.8	62.60
	-9.8	-11	209.5	73.34	197.7	71.69	186.1	69.33	179.7	66.12	174.3	63.34	162.8	60.14
	-9.5	-10	209.5	72.92	197.7	71.26	186.1	68.90	179.7	65.70	174.3	62.96	162.8	59.78
	-8.5	-9.1	209.5	71.47	197.7	69.78	186.1	67.49	179.7	64.36	174.3	61.69	162.8	58.55
	-7.0	-7.6	209.5	69.29	197.7	67.60	186.1	65.35	179.7	62.32	174.3	59.82	162.8	56.72
	-5.0	-5.6	209.5	66.37	197.7	64.64	186.1	62.50	179.7	59.61	174.3	57.28	162.8	54.26
	-3.0	-3.7	209.5	63.48	197.7	61.72	186.1	59.68	179.7	56.90	174.3	54.75	162.8	51.83
	0.0	-0.7	209.5	59.15	197.7	57.32	186.1	55.39	179.7	52.85	174.3	50.95	162.8	48.13
	3.0	2.2	209.5	54.79	197.7	52.89	186.1	51.13	179.7	48.80	174.3	47.15	162.8	44.47
	5.0	4.1	209.5	51.90	197.7	49.96	186.1	48.31	179.7	46.09	174.3	44.61	162.8	42.01
	7.0	6.0	209.5	49.01	197.7	47.04	186.1	45.46	179.7	43.38	174.3	42.08	162.8	39.57
	9.0	7.9	209.5	44.26	197.7	42.46	186.1	41.05	179.7	39.19	174.3	37.99	162.8	35.74
	11.0	9.8	209.5	41.20	197.7	39.54	186.1	38.20	179.7	36.48	174.3	35.39	162.8	33.27
	13.0	11.8	209.5	38.55	197.7	37.00	186.1	35.74	179.7	34.15	174.3	33.10	162.8	31.13
15.0	13.7	209.5	36.34	197.7	34.89	186.1	33.70	179.7	32.18	174.3	31.20	162.8	29.33	
60	-24.8	-25	159.4	82.16	159.4	83.22	158.3	84.80	154.2	80.47	148.8	76.39	139.4	72.56
	-21.8	-22	171.5	83.74	170.0	84.80	159.5	80.47	154.2	76.39	148.8	72.56	139.4	68.86
	-19.8	-20	179.7	84.80	170.0	81.74	159.5	77.58	154.2	73.68	148.8	69.99	139.4	66.37
	-18.8	-19	179.7	83.25	170.0	80.22	159.5	76.11	154.2	72.31	148.8	68.73	139.4	65.14
	-16.7	-17	179.7	80.01	170.0	76.99	159.5	73.09	154.2	69.46	148.8	66.05	139.4	62.57
	-13.7	-15	179.7	75.41	170.0	72.42	159.5	68.76	154.2	65.39	148.8	62.22	139.4	58.84
	-11.8	-13	179.7	72.46	170.0	69.50	159.5	66.02	154.2	62.82	148.8	59.79	139.4	56.49
	-9.8	-11	179.7	69.36	170.0	66.44	159.5	63.10	154.2	60.11	148.8	57.23	139.4	54.02
	-9.5	-10	179.7	68.91	170.0	65.98	159.5	62.68	154.2	59.69	148.8	56.84	139.4	53.67
	-8.5	-9.1	179.7	67.36	170.0	64.44	159.5	61.23	154.2	58.35	148.8	55.57	139.4	52.41
	-7.0	-7.6	179.7	65.07	170.0	62.15	159.5	59.06	154.2	56.31	148.8	53.67	139.4	50.58
	-5.0	-5.6	179.7	61.98	170.0	59.09	159.5	56.17	154.2	53.60	148.8	51.11	139.4	48.11
	-3.0	-3.7	179.7	58.88	170.0	56.03	159.5	53.29	154.2	50.86	148.8	48.54	139.4	45.62
	0.0	-0.7	179.7	54.25	170.0	51.43	159.5	48.93	154.2	46.81	148.8	44.71	139.4	41.92
	3.0	2.2	179.7	49.64	170.0	46.82	159.5	44.60	154.2	42.74	148.8	40.91	139.4	38.23
	5.0	4.1	179.7	46.54	170.0	43.76	159.5	41.72	154.2	40.03	148.8	38.34	139.4	35.74
	7.0	6.0	179.7	43.45	170.0	40.70	159.5	38.80	154.2	37.29	148.8	35.77	139.4	33.27
	9.0	7.9	179.7	38.77	170.0	36.33	159.5	34.64	154.2	33.27	148.8	31.93	139.4	29.68
	11.0	9.8	179.7	36.20	170.0	33.91	159.5	32.32	154.2	31.09	148.8	29.82	139.4	27.71
	13.0	11.8	179.7	33.91	170.0	31.76	159.5	30.28	154.2	29.12	148.8	27.92	139.4	25.98
15.0	13.7	179.7	32.04	170.0	30.03	159.5	28.63	154.2	27.50	148.8	26.41	139.4	24.54	
50	-24.8	-25	149.9	71.84	141.3	73.44	132.9	69.61	128.6	66.02	124.3	62.63	115.7	59.47
	-21.8	-22	149.9	73.44	141.3	69.61	132.9	66.02	128.6	62.63	124.3	59.47	115.7	56.41
	-19.8	-20	149.9	70.77	141.3	67.04	132.9	63.62	128.6	60.35	124.3	57.35	115.7	54.40
	-18.8	-19	149.9	69.43	141.3	65.77	132.9	62.43	128.6	59.22	124.3	56.30	115.7	53.37
	-16.7	-17	149.9	66.65	141.3	63.09	132.9	59.93	128.6	56.86	124.3	54.08	115.7	51.23
	-13.7	-15	149.9	62.64	141.3	59.26	132.9	56.34	128.6	53.45	124.3	50.91	115.7	48.20
	-11.8	-13	149.9	60.10	141.3	56.83	132.9	54.08	128.6	51.30	124.3	48.91	115.7	46.26
	-9.8	-11	149.9	57.43	141.3	54.29	132.9	51.69	128.6	49.05	124.3	46.83	115.7	44.22
	-9.5	-10	149.9	57.04	141.3	53.90	132.9	51.33	128.6	48.70	124.3	46.51	115.7	43.91
	-8.5	-9.1	149.9	55.70	141.3	52.60	132.9	50.14	128.6	47.57	124.3	45.45	115.7	42.89
	-7.0	-7.6	149.9	53.73	141.3	50.70	132.9	48.34	128.6	45.88	124.3	43.87	115.7	41.37
	-5.0	-5.6	149.9	51.05	141.3	48.16	132.9	45.95	128.6	43.62	124.3	41.76	115.7	39.33
	-3.0	-3.7	149.9	48.38	141.3	45.60	132.9	43.55	128.6	41.34	124.3	39.65	115.7	37.32
	0.0	-0.7	149.9	44.40	141.3	41.76	132.9	39.96	128.6	37.96	124.3	36.48	115.7	34.26
	3.0	2.2	149.9	40.39	141.3	37.92	132.9	36.41	128.6	34.57	124.3	33.31	115.7	31.23
	5.0	4.1	149.9	37.71	141.3	35.38	132.9	34.01	128.6	32.29	124.3	31.23	115.7	29.19
	7.0	6.0	149.9	35.07	141.3	32.82	132.9	31.62	128.6	30.03	124.3	29.12	115.7	27.15
	9.0	7.9	149.9	31.65	141.3	29.65	132.9	28.55	128.6	27.11	124.3	26.30	115.7	24.51
	11.0	9.8	149.9	29.61	141.3	27.74	132.9	26.72	128.6	25.39	124.3	24.61	115.7	22.95
	13.0	11.8	149.9	27.82	141.3	26.05	132.9	25.07	128.6	23.84	124.3	23.10	115.7	21.55
15.0	13.7	149.9	26.30	141.3	24.65	132.9	23.73	128.6	22.54	124.3	21.86	115.7	20.39	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN880BTE5

Heating Capacity (88HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	164.9	94.64	164.9	95.56	163.8	96.34	163.8	97.57	163.8	98.75	161.4	100.6
	-21.8	-22	203.2	96.46	203.2	97.39	201.8	98.20	201.8	99.42	201.8	100.6	198.5	102.4
	-19.8	-20	215.5	97.69	215.5	98.62	214.1	99.42	214.1	100.7	214.1	101.8	210.8	103.6
	-18.8	-19	220.7	98.32	220.7	99.22	219.3	100.0	219.3	101.3	219.3	102.4	215.7	104.3
	-16.7	-17	231.1	99.60	231.1	100.5	229.7	101.3	229.7	102.5	229.7	103.7	226.1	105.5
	-13.7	-15	246.0	101.4	246.0	102.4	244.5	103.2	244.5	104.4	244.5	105.5	240.6	101.8
	-11.8	-13	254.1	102.6	254.1	103.5	252.6	104.3	252.6	105.5	252.6	103.0	249.6	99.34
	-9.8	-11	262.6	103.8	262.6	104.7	261.1	105.5	261.1	102.9	261.1	100.3	259.0	96.81
	-9.5	-10	264.3	104.0	264.3	104.9	262.8	105.1	262.8	102.5	262.2	99.95	260.4	96.45
	-8.5	-9.1	270.4	104.6	270.4	105.5	268.9	103.8	268.9	101.1	266.6	98.60	265.1	95.18
	-7.0	-7.6	279.6	105.5	279.6	103.6	277.7	101.7	277.7	99.11	277.7	96.61	273.2	93.29
	-5.0	-5.6	291.8	103.0	291.8	100.9	289.9	99.02	289.9	96.41	289.9	93.94	282.9	90.76
	-3.0	-3.7	304.0	100.5	304.0	98.33	302.1	96.32	302.1	93.75	302.1	91.28	292.6	88.23
	0.0	-0.7	322.3	96.80	322.3	94.40	320.0	92.25	318.9	89.71	316.7	87.26	307.5	84.43
	3.0	2.2	335.1	93.04	335.1	90.45	333.1	88.18	331.5	85.69	329.3	83.28	308.6	80.65
	5.0	4.1	343.2	90.54	343.2	87.83	341.5	85.45	339.9	83.00	334.4	80.61	308.6	78.12
	7.0	6.0	351.6	88.04	351.6	85.22	349.6	82.73	343.5	80.33	331.4	77.95	308.6	75.60
	9.0	7.9	353.1	86.01	353.1	83.22	352.0	80.83	343.5	78.47	331.4	76.12	308.6	73.84
11.0	9.8	353.1	84.73	353.1	82.01	352.0	79.62	343.5	77.30	331.4	74.99	308.6	72.74	
13.0	11.8	353.1	83.35	353.1	80.67	352.0	78.31	343.5	76.03	331.4	73.78	308.6	71.57	
15.0	13.7	353.1	81.83	353.1	79.19	352.0	76.90	343.5	74.65	331.4	72.43	308.6	70.26	
120	-24.8	-25	163.8	95.56	163.8	96.34	162.7	97.57	162.7	98.75	162.7	100.6	160.3	101.9
	-21.8	-22	201.8	97.39	201.8	98.20	200.4	99.42	200.4	100.6	200.4	102.4	197.4	103.7
	-19.8	-20	214.1	98.62	214.1	99.42	212.6	100.7	212.6	101.8	212.6	103.6	209.3	104.9
	-18.8	-19	218.9	99.22	218.9	100.0	217.5	101.3	217.5	102.4	217.5	104.3	214.2	105.5
	-16.7	-17	229.3	100.5	229.3	101.3	227.9	102.5	227.9	103.7	227.9	105.5	224.3	103.1
	-13.7	-15	244.2	102.4	244.2	103.2	242.7	104.4	242.7	105.5	242.7	101.9	238.8	99.62
	-11.8	-13	252.3	103.5	252.3	104.3	250.8	105.5	250.8	103.0	250.8	99.63	247.8	97.42
	-9.8	-11	260.7	104.7	260.7	105.5	259.2	102.7	259.2	100.3	259.2	97.21	257.1	95.10
	-9.5	-10	262.5	104.9	262.5	105.1	261.0	102.3	261.0	99.88	261.0	96.86	258.9	94.75
	-8.5	-9.1	268.6	105.5	268.6	103.6	266.8	100.9	266.8	98.53	266.3	95.65	263.9	93.57
	-7.0	-7.6	277.7	103.4	277.7	101.4	275.9	98.82	275.9	96.54	274.0	93.83	271.3	91.83
	-5.0	-5.6	289.9	100.5	289.9	98.47	288.0	96.01	288.0	93.84	288.0	91.41	281.0	89.51
	-3.0	-3.7	301.7	97.57	301.7	95.53	299.9	93.21	299.9	91.14	299.0	89.03	289.2	87.20
	0.0	-0.7	320.0	93.21	319.5	91.10	315.2	89.02	313.2	87.11	311.3	85.40	289.8	83.71
	3.0	2.2	332.5	88.85	331.8	86.69	327.8	84.79	321.9	83.06	311.9	81.77	289.8	80.22
	5.0	4.1	340.9	85.95	340.2	83.75	332.9	81.99	321.9	80.36	311.9	79.35	289.8	77.91
	7.0	6.0	349.3	83.05	346.8	80.77	332.9	79.18	321.9	77.69	311.9	76.94	289.8	75.56
	9.0	7.9	350.5	80.90	346.8	78.69	332.9	77.17	321.9	75.68	311.9	74.96	289.8	73.62
11.0	9.8	350.5	79.47	346.8	77.33	332.9	75.81	321.9	74.36	311.9	73.64	289.8	72.33	
13.0	11.8	350.5	77.94	346.8	75.80	332.9	74.32	321.9	72.90	311.9	72.21	289.8	70.94	
15.0	13.7	350.5	76.27	346.8	74.20	332.9	72.74	321.9	71.36	311.9	70.68	289.8	69.41	
110	-24.8	-25	163.0	96.34	163.0	97.57	162.0	98.75	162.0	100.6	162.0	101.9	159.3	102.5
	-21.8	-22	200.7	98.20	200.7	99.42	199.3	100.6	199.3	102.4	199.3	103.7	196.3	104.3
	-19.8	-20	213.0	99.42	213.0	100.7	211.5	101.8	211.5	103.6	211.5	104.9	208.2	105.5
	-18.8	-19	217.8	100.0	217.8	101.3	216.4	102.4	216.4	104.3	216.4	105.5	213.1	104.3
	-16.7	-17	228.2	101.3	228.2	102.5	226.8	103.7	226.8	105.5	226.8	102.9	223.2	101.5
	-13.7	-15	242.8	103.2	242.8	104.4	241.3	105.5	241.3	101.5	241.3	99.08	241.3	97.61
	-11.8	-13	250.8	104.3	250.8	105.5	249.4	102.7	249.4	98.98	249.4	96.69	249.4	95.12
	-9.8	-11	259.3	105.5	259.3	102.4	257.8	99.73	257.8	96.31	257.8	94.16	256.9	92.51
	-9.5	-10	261.0	105.0	261.0	101.9	259.6	99.30	259.6	95.91	259.6	93.77	258.7	92.12
	-8.5	-9.1	267.1	103.3	267.1	100.3	265.6	97.81	265.6	94.56	265.3	92.52	260.2	90.83
	-7.0	-7.6	276.2	100.7	276.2	97.88	274.4	95.56	274.4	92.56	272.9	90.60	260.8	88.87
	-5.0	-5.6	288.1	97.32	288.1	94.71	286.2	92.60	285.2	89.89	278.3	88.07	260.8	86.27
	-3.0	-3.7	300.2	93.90	300.2	91.51	295.4	89.62	289.1	87.22	279.2	85.54	260.8	83.66
	0.0	-0.7	316.2	88.74	312.8	86.74	298.7	85.16	289.1	83.19	279.2	81.76	260.8	79.74
	3.0	2.2	328.5	83.59	318.5	81.97	298.7	80.71	289.1	79.17	279.2	77.94	260.8	75.85
	5.0	4.1	336.9	80.17	318.5	78.77	298.7	77.72	289.1	76.50	279.2	75.41	260.8	73.24
	7.0	6.0	336.9	76.75	318.5	75.59	298.7	74.73	289.1	73.82	279.2	72.88	260.8	70.64
	9.0	7.9	336.9	74.42	318.5	73.29	298.7	72.49	289.1	71.59	279.2	70.68	260.8	68.51
11.0	9.8	336.9	72.76	318.5	71.64	298.7	70.85	289.1	69.98	279.2	69.10	260.8	66.97	
13.0	11.8	336.9	70.94	318.5	69.89	298.7	69.09	289.1	68.25	279.2	67.38	260.8	65.31	
15.0	13.7	336.9	69.04	318.5	67.99	298.7	67.23	289.1	66.42	279.2	65.56	260.8	63.55	

# 7. Capacity Tables

Heating Capacity (88HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	162.3	106.8	162.3	106.7	161.2	100.2	161.2	106.3	161.2	106.1	158.5	106.0
	-21.8	-22	199.6	106.6	199.6	106.4	198.5	103.4	198.5	106.0	198.5	107.3	195.2	105.7
	-19.8	-20	211.9	106.4	211.9	106.2	210.8	105.4	210.8	105.8	210.8	106.1	207.5	105.5
	-18.8	-19	216.8	106.3	215.6	106.2	215.6	106.0	215.6	105.7	215.6	105.5	212.0	103.9
	-16.7	-17	225.7	106.1	225.7	106.0	225.7	107.3	224.6	105.5	224.6	102.2	221.0	100.5
	-13.7	-15	241.7	105.9	241.7	105.7	240.2	105.5	240.2	100.8	240.2	97.49	236.6	95.69
	-11.8	-13	249.7	105.7	248.3	105.5	248.3	102.4	248.3	97.71	248.3	94.48	238.1	92.62
	-9.8	-11	257.8	105.5	257.8	102.0	256.7	98.97	256.7	94.50	253.7	91.30	238.3	89.40
	-9.5	-10	259.6	105.0	259.6	101.4	258.5	98.47	258.5	94.03	254.3	90.84	238.3	88.90
	-8.5	-9.1	265.6	103.1	265.6	99.65	264.5	96.79	264.5	92.43	255.7	89.23	238.3	87.29
	-7.0	-7.6	279.2	100.3	278.1	96.97	273.3	94.26	264.5	90.03	255.7	86.87	238.3	84.86
	-5.0	-5.6	291.4	96.63	288.4	93.41	273.3	90.91	264.5	86.85	255.7	83.72	238.3	81.63
	-3.0	-3.7	299.8	92.89	290.9	89.81	273.3	87.55	264.5	83.64	255.7	80.54	238.3	78.41
	0.0	-0.7	308.3	87.33	290.9	84.46	273.3	82.49	264.5	78.85	255.7	75.79	238.3	73.55
	3.0	2.2	308.3	81.74	290.9	79.11	273.3	77.45	264.5	74.03	255.7	71.07	238.3	68.72
	5.0	4.1	308.3	78.00	290.9	75.54	273.3	74.07	264.5	70.85	255.7	67.89	238.3	65.47
	7.0	6.0	308.3	74.29	290.9	71.97	273.3	70.71	264.5	67.64	255.7	64.74	238.3	62.24
	9.0	7.9	308.3	71.67	290.9	69.42	273.3	68.23	264.5	65.26	255.7	62.44	238.3	60.06
	11.0	9.8	308.3	69.66	290.9	67.49	273.3	66.30	264.5	63.44	255.7	60.69	238.3	58.37
	13.0	11.8	308.3	67.51	290.9	65.41	273.3	64.25	264.5	61.47	255.7	58.83	238.3	56.58
15.0	13.7	308.3	65.24	290.9	63.18	273.3	62.09	264.5	59.39	255.7	56.82	238.3	54.65	
90	-24.8	-25	161.6	94.90	161.6	96.73	160.5	98.04	160.5	98.64	160.5	99.87	158.1	101.7
	-21.8	-22	198.9	96.73	198.9	98.59	197.8	99.87	197.8	100.5	197.8	101.7	194.5	97.46
	-19.8	-20	211.2	97.96	211.2	99.79	209.7	101.1	209.7	101.7	209.7	98.82	206.4	94.62
	-18.8	-19	216.8	98.59	215.6	100.4	214.6	101.7	214.6	100.2	214.6	97.36	211.3	93.20
	-16.7	-17	225.7	99.87	225.7	101.7	224.9	98.64	224.9	97.08	224.9	94.31	216.8	90.21
	-13.7	-15	241.7	101.7	241.7	97.16	239.5	94.26	239.5	92.62	233.5	89.98	217.8	85.95
	-11.8	-13	249.7	98.59	248.3	94.27	247.2	91.49	241.2	89.81	234.6	87.22	217.8	83.25
	-9.8	-11	257.8	95.33	257.8	91.26	249.0	88.56	242.4	86.84	234.6	84.34	217.8	80.44
	-9.5	-10	259.6	94.84	259.6	90.80	249.6	88.13	242.4	86.38	234.6	83.91	217.8	80.01
	-8.5	-9.1	265.6	93.21	263.8	89.28	250.1	86.68	242.4	84.89	234.6	82.46	217.8	78.59
	-7.0	-7.6	279.2	90.77	265.6	87.01	250.1	84.48	242.4	82.66	234.6	80.29	217.8	76.46
	-5.0	-5.6	282.2	87.49	265.6	83.97	250.1	81.55	242.4	79.71	234.6	77.39	217.8	73.62
	-3.0	-3.7	282.2	84.24	265.6	80.96	250.1	78.64	242.4	76.73	234.6	74.48	217.8	70.78
	0.0	-0.7	282.2	79.33	265.6	76.40	250.1	74.25	242.4	72.27	234.6	70.15	217.8	66.51
	3.0	2.2	282.2	74.42	265.6	71.87	250.1	69.89	242.4	67.80	234.6	65.82	217.8	62.28
	5.0	4.1	282.2	71.17	265.6	68.83	250.1	66.96	242.4	64.82	234.6	62.91	217.8	59.44
	7.0	6.0	282.2	67.89	265.6	65.79	250.1	64.05	242.4	61.85	234.6	60.00	217.8	56.60
	9.0	7.9	282.2	64.81	265.6	62.81	250.1	61.11	242.4	59.04	234.6	57.27	217.8	54.01
	11.0	9.8	282.2	61.69	265.6	59.80	250.1	58.21	242.4	56.21	234.6	54.55	217.8	51.43
	13.0	11.8	282.2	58.61	265.6	56.80	250.1	55.27	242.4	53.38	234.6	51.82	217.8	48.84
15.0	13.7	282.2	55.53	265.6	53.82	250.1	52.36	242.4	50.58	234.6	49.06	217.8	46.26	
80	-24.8	-25	160.9	83.38	160.9	85.21	159.8	86.52	159.8	87.11	159.8	90.17	157.4	86.44
	-21.8	-22	196.7	85.21	196.7	87.07	196.7	88.34	196.7	90.17	196.7	86.44	192.8	82.84
	-19.8	-20	209.0	86.44	209.0	88.30	209.0	90.17	209.0	87.54	206.9	83.95	194.6	80.43
	-18.8	-19	213.8	87.07	213.8	90.17	213.8	88.86	213.8	86.23	207.8	82.71	194.6	79.22
	-16.7	-17	221.6	90.17	221.6	87.41	221.6	86.06	216.2	83.46	209.3	80.08	194.6	76.69
	-13.7	-15	233.9	86.10	229.2	83.44	223.7	82.05	217.0	79.52	209.3	76.35	194.6	73.10
	-11.8	-13	239.5	83.48	232.5	80.96	223.7	79.53	217.0	77.00	209.3	73.97	194.6	70.82
	-9.8	-11	245.4	80.76	235.6	78.30	223.7	76.87	217.0	74.37	209.3	71.48	194.6	68.41
	-9.5	-10	247.2	80.37	237.1	77.91	223.7	76.48	217.0	73.98	209.3	71.09	194.6	68.05
	-8.5	-9.1	249.9	78.99	238.3	76.60	223.7	75.13	217.0	72.66	209.3	69.85	194.6	66.84
	-7.0	-7.6	252.7	76.94	238.3	74.62	223.7	73.15	217.0	70.68	209.3	67.96	194.6	65.06
	-5.0	-5.6	252.7	74.21	238.3	71.96	223.7	70.46	217.0	68.05	209.3	65.48	194.6	62.64
	-3.0	-3.7	252.7	71.49	238.3	69.34	223.7	67.80	217.0	65.39	209.3	62.99	194.6	60.26
	0.0	-0.7	252.7	67.38	238.3	65.37	223.7	63.82	217.0	61.45	209.3	59.26	194.6	56.63
	3.0	2.2	252.7	63.28	238.3	61.44	223.7	59.82	217.0	57.51	209.3	55.49	194.6	53.04
	5.0	4.1	252.7	60.55	238.3	58.78	223.7	57.16	217.0	54.85	209.3	53.00	194.6	50.62
	7.0	6.0	252.7	57.83	238.3	56.16	223.7	54.50	217.0	52.22	209.3	50.52	194.6	48.24
	9.0	7.9	252.7	54.31	238.3	52.72	223.7	51.17	217.0	49.03	209.3	47.44	194.6	45.27
	11.0	9.8	252.7	50.41	238.3	48.93	223.7	47.48	217.0	45.52	209.3	44.01	194.6	42.02
	13.0	11.8	252.7	47.04	238.3	45.67	223.7	44.33	217.0	42.48	209.3	41.08	194.6	39.23
15.0	13.7	252.7	44.29	238.3	42.99	223.7	41.72	217.0	39.99	209.3	38.68	194.6	36.94	

# 7. Capacity Tables

Heating Capacity (88HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	160.9	84.21	160.9	84.81	159.8	86.04	159.8	87.89	159.8	83.79	157.4	79.99
	-21.8	-22	190.4	86.04	190.7	86.66	189.5	87.89	183.9	83.79	178.4	79.99	166.6	76.26
	-19.8	-20	208.1	87.26	201.2	87.89	190.5	85.03	183.9	81.09	178.4	77.43	166.6	73.78
	-18.8	-19	212.0	87.89	202.1	86.41	190.5	83.58	183.9	79.71	178.4	76.16	166.6	72.56
	-16.7	-17	214.1	84.82	202.3	83.30	190.5	80.60	183.9	76.87	178.4	73.46	166.6	69.97
	-13.7	-15	214.4	80.47	202.3	78.88	190.5	76.32	183.9	72.76	178.4	69.63	166.6	66.25
	-11.8	-13	214.4	77.69	202.3	76.08	190.5	73.59	183.9	70.18	178.4	67.22	166.6	63.90
	-9.8	-11	214.4	74.79	202.3	73.11	190.5	70.72	183.9	67.48	178.4	64.67	166.6	61.42
	-9.5	-10	214.4	74.36	202.3	72.68	190.5	70.30	183.9	67.05	178.4	64.28	166.6	61.06
	-8.5	-9.1	214.4	72.91	202.3	71.20	190.5	68.88	183.9	65.71	178.4	63.00	166.6	59.82
	-7.0	-7.6	214.4	70.72	202.3	69.00	190.5	66.72	183.9	63.65	178.4	61.12	166.6	57.97
	-5.0	-5.6	214.4	67.79	202.3	66.03	190.5	63.86	183.9	60.92	178.4	58.56	166.6	55.49
	-3.0	-3.7	214.4	64.89	202.3	63.10	190.5	61.02	183.9	58.20	178.4	56.01	166.6	53.03
	0.0	-0.7	214.4	60.55	202.3	58.67	190.5	56.71	183.9	54.12	178.4	52.18	166.6	49.31
	3.0	2.2	214.4	56.17	202.3	54.22	190.5	52.42	183.9	50.04	178.4	48.35	166.6	45.61
	5.0	4.1	214.4	53.27	202.3	51.28	190.5	49.58	183.9	47.31	178.4	45.80	166.6	43.13
	7.0	6.0	214.4	50.37	202.3	48.34	190.5	46.72	183.9	44.59	178.4	43.25	166.6	40.67
	9.0	7.9	214.4	45.48	202.3	43.64	190.5	42.19	183.9	40.28	178.4	39.05	166.6	36.73
	11.0	9.8	214.4	42.34	202.3	40.64	190.5	39.27	183.9	37.49	178.4	36.37	166.6	34.20
	13.0	11.8	214.4	39.62	202.3	38.03	190.5	36.73	183.9	35.10	178.4	34.02	166.6	31.99
15.0	13.7	214.4	37.35	202.3	35.86	190.5	34.63	183.9	33.08	178.4	32.06	166.6	30.15	
60	-24.8	-25	160.9	82.98	160.9	84.21	159.8	86.04	156.5	81.69	152.0	77.60	142.7	73.74
	-21.8	-22	174.6	84.81	174.0	86.04	163.3	81.69	157.8	77.60	152.3	73.74	142.7	70.02
	-19.8	-20	183.9	86.04	174.0	82.97	163.3	78.80	157.8	74.88	152.3	71.17	142.7	67.52
	-18.8	-19	183.9	84.49	174.0	81.45	163.3	77.32	157.8	73.50	152.3	69.89	142.7	66.28
	-16.7	-17	183.9	81.25	174.0	78.21	163.3	74.28	157.8	70.64	152.3	67.20	142.7	63.69
	-13.7	-15	183.9	76.64	174.0	73.62	163.3	69.94	157.8	66.54	152.3	63.35	142.7	59.94
	-11.8	-13	183.9	73.69	174.0	70.70	163.3	67.19	157.8	63.96	152.3	60.91	142.7	57.57
	-9.8	-11	183.9	70.59	174.0	67.63	163.3	64.26	157.8	61.24	152.3	58.33	142.7	55.09
	-9.5	-10	183.9	70.13	174.0	67.17	163.3	63.84	157.8	60.82	152.3	57.94	142.7	54.73
	-8.5	-9.1	183.9	68.58	174.0	65.63	163.3	62.39	157.8	59.48	152.3	56.67	142.7	53.46
	-7.0	-7.6	183.9	66.29	174.0	63.33	163.3	60.20	157.8	57.43	152.3	54.76	142.7	51.62
	-5.0	-5.6	183.9	63.20	174.0	60.27	163.3	57.31	157.8	54.71	152.3	52.18	142.7	49.14
	-3.0	-3.7	183.9	60.10	174.0	57.20	163.3	54.42	157.8	51.96	152.3	49.60	142.7	46.63
	0.0	-0.7	183.9	55.46	174.0	52.58	163.3	50.04	157.8	47.89	152.3	45.75	142.7	42.91
	3.0	2.2	183.9	50.85	174.0	47.97	163.3	45.70	157.8	43.80	152.3	41.93	142.7	39.19
	5.0	4.1	183.9	47.75	174.0	44.90	163.3	42.81	157.8	41.08	152.3	39.35	142.7	36.68
	7.0	6.0	183.9	44.66	174.0	41.83	163.3	39.88	157.8	38.32	152.3	36.77	142.7	34.20
	9.0	7.9	183.9	39.84	174.0	37.34	163.3	35.61	157.8	34.20	152.3	32.82	142.7	30.51
	11.0	9.8	183.9	37.20	174.0	34.85	163.3	33.22	157.8	31.95	152.3	30.65	142.7	28.48
	13.0	11.8	183.9	34.85	174.0	32.64	163.3	31.12	157.8	29.93	152.3	28.70	142.7	26.70
15.0	13.7	183.9	32.93	174.0	30.87	163.3	29.42	157.8	28.26	152.3	27.14	142.7	25.22	
50	-24.8	-25	153.4	73.02	144.6	74.88	136.1	70.99	131.7	67.35	127.3	63.92	118.5	60.71
	-21.8	-22	153.4	74.88	144.6	70.99	136.1	67.35	131.7	63.92	127.3	60.71	118.5	57.60
	-19.8	-20	153.4	72.17	144.6	68.39	136.1	64.93	131.7	61.61	127.3	58.57	118.5	55.56
	-18.8	-19	153.4	70.82	144.6	67.10	136.1	63.71	131.7	60.46	127.3	57.50	118.5	54.53
	-16.7	-17	153.4	68.00	144.6	64.39	136.1	61.18	131.7	58.07	127.3	55.25	118.5	52.35
	-13.7	-15	153.4	63.94	144.6	60.51	136.1	57.54	131.7	54.61	127.3	52.03	118.5	49.27
	-11.8	-13	153.4	61.38	144.6	58.05	136.1	55.26	131.7	52.43	127.3	50.00	118.5	47.31
	-9.8	-11	153.4	58.67	144.6	55.48	136.1	52.83	131.7	50.15	127.3	47.89	118.5	45.23
	-9.5	-10	153.4	58.28	144.6	55.09	136.1	52.47	131.7	49.79	127.3	47.57	118.5	44.92
	-8.5	-9.1	153.4	56.92	144.6	53.77	136.1	51.26	131.7	48.65	127.3	46.50	118.5	43.88
	-7.0	-7.6	153.4	54.92	144.6	51.84	136.1	49.44	131.7	46.93	127.3	44.89	118.5	42.34
	-5.0	-5.6	153.4	52.22	144.6	49.27	136.1	47.02	131.7	44.65	127.3	42.75	118.5	40.27
	-3.0	-3.7	153.4	49.51	144.6	46.67	136.1	44.59	131.7	42.33	127.3	40.60	118.5	38.23
	0.0	-0.7	153.4	45.48	144.6	42.79	136.1	40.95	131.7	38.90	127.3	37.39	118.5	35.12
	3.0	2.2	153.4	41.42	144.6	38.90	136.1	37.35	131.7	35.47	127.3	34.18	118.5	32.04
	5.0	4.1	153.4	38.72	144.6	36.33	136.1	34.92	131.7	33.15	127.3	32.07	118.5	29.97
	7.0	6.0	153.4	36.04	144.6	33.73	136.1	32.50	131.7	30.87	127.3	29.92	118.5	27.90
	9.0	7.9	153.4	32.53	144.6	30.47	136.1	29.35	131.7	27.87	127.3	27.03	118.5	25.19
	11.0	9.8	153.4	30.44	144.6	28.51	136.1	27.46	131.7	26.09	127.3	25.29	118.5	23.59
	13.0	11.8	153.4	28.59	144.6	26.78	136.1	25.77	131.7	24.50	127.3	23.74	118.5	22.15
15.0	13.7	153.4	27.03	144.6	25.33	136.1	24.39	131.7	23.16	127.3	22.47	118.5	20.95	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN900BTE5

Heating Capacity (90HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	173.5	98.82	173.5	99.61	172.3	100.3	172.3	101.3	172.3	102.3	169.2	103.8
	-21.8	-22	212.2	100.4	212.2	101.1	210.7	101.8	210.7	102.8	210.7	103.8	206.6	105.4
	-19.8	-20	224.3	101.4	224.3	102.2	222.8	102.8	222.8	103.9	222.8	104.8	218.6	106.4
	-18.8	-19	229.4	101.9	229.4	102.7	227.9	103.4	227.9	104.4	227.9	105.4	223.4	106.9
	-16.7	-17	239.7	103.0	239.7	103.8	238.1	104.4	238.1	105.5	238.1	106.4	233.6	108.0
	-13.7	-15	254.4	104.5	254.4	105.3	252.8	106.0	252.8	107.0	252.8	108.0	248.0	104.0
	-11.8	-13	262.6	105.5	262.6	106.3	261.1	106.9	261.1	108.0	261.1	105.3	257.1	101.4
	-9.8	-11	271.3	106.6	271.3	107.3	269.8	108.0	269.8	105.1	269.8	102.4	266.7	98.71
	-9.5	-10	272.8	106.7	272.8	107.5	271.3	107.6	271.3	104.7	270.9	102.0	268.2	98.33
	-8.5	-9.1	278.1	107.2	278.1	108.0	276.6	106.1	276.6	103.3	275.4	100.6	272.9	96.97
	-7.0	-7.6	286.0	108.0	286.0	105.9	284.2	103.9	284.2	101.1	284.2	98.45	280.0	94.96
	-5.0	-5.6	296.6	105.2	296.6	103.0	294.7	100.9	294.7	98.19	294.7	95.61	289.5	92.28
	-3.0	-3.7	307.1	102.5	307.1	100.1	305.2	98.03	305.2	95.33	305.2	92.76	299.1	89.60
	0.0	-0.7	322.9	98.36	322.9	95.86	320.7	93.63	320.7	91.00	320.7	88.48	313.7	85.55
	3.0	2.2	338.8	94.22	338.8	91.56	336.5	89.24	336.5	86.70	336.5	84.23	315.7	81.54
	5.0	4.1	349.0	91.47	349.0	88.72	347.1	86.30	347.1	83.81	339.1	81.38	315.7	78.86
	7.0	6.0	359.6	88.72	359.6	85.87	357.3	83.36	351.4	80.95	339.1	78.54	315.7	76.17
	9.0	7.9	361.3	86.46	361.3	83.66	360.2	81.25	351.4	78.88	339.1	76.52	315.7	74.23
	11.0	9.8	361.3	84.96	361.3	82.23	360.2	79.83	351.4	77.51	339.1	75.18	315.7	72.93
	13.0	11.8	361.3	83.34	361.3	80.65	360.2	78.30	351.4	76.02	339.1	73.77	315.7	71.55
15.0	13.7	361.3	81.58	361.3	78.94	360.2	76.65	351.4	74.41	339.1	72.20	315.7	70.03	
120	-24.8	-25	172.3	99.61	172.3	100.3	171.2	101.3	171.2	102.3	171.2	103.8	168.1	104.9
	-21.8	-22	210.7	101.1	210.7	101.8	209.2	102.8	209.2	103.8	209.2	105.4	205.4	106.4
	-19.8	-20	222.7	102.2	222.7	102.8	221.2	103.9	221.2	104.8	221.2	106.4	217.1	107.5
	-18.8	-19	227.5	102.7	227.5	103.4	226.0	104.4	226.0	105.4	226.0	106.9	221.9	108.0
	-16.7	-17	237.8	103.8	237.8	104.4	236.3	105.5	236.3	106.4	236.3	108.0	231.8	105.4
	-13.7	-15	252.5	105.3	252.5	106.0	251.0	107.0	251.0	108.0	251.0	104.1	246.1	101.7
	-11.8	-13	260.8	106.3	260.8	106.9	259.2	108.0	259.2	105.2	259.2	101.7	255.3	99.35
	-9.8	-11	269.4	107.3	269.4	108.0	267.9	105.0	267.9	102.4	267.9	99.11	264.8	96.89
	-9.5	-10	270.9	107.5	270.9	107.5	269.4	104.6	269.4	102.0	269.4	98.73	266.3	96.51
	-8.5	-9.1	276.2	108.0	276.2	105.9	274.4	103.0	274.4	100.5	274.2	97.44	270.8	95.27
	-7.0	-7.6	284.1	105.6	284.1	103.6	282.2	100.8	282.2	98.38	281.8	95.51	278.1	93.42
	-5.0	-5.6	294.6	102.5	294.6	100.4	292.8	97.79	292.8	95.50	292.8	92.94	287.6	90.96
	-3.0	-3.7	304.9	99.36	304.9	97.23	303.0	94.79	303.0	92.62	303.0	90.39	295.7	88.50
	0.0	-0.7	320.7	94.66	320.7	92.47	318.5	90.30	318.5	88.33	318.5	86.53	296.5	84.79
	3.0	2.2	336.2	89.95	336.2	87.74	334.2	85.79	329.3	84.01	319.1	82.67	296.5	81.09
	5.0	4.1	346.7	86.82	346.7	84.58	340.6	82.79	329.3	81.13	319.1	80.10	296.5	78.63
	7.0	6.0	357.2	83.68	354.8	81.39	340.6	79.79	329.3	78.29	319.1	77.52	296.5	76.14
	9.0	7.9	358.6	81.33	354.8	79.11	340.6	77.58	329.3	76.09	319.1	75.36	296.5	74.02
	11.0	9.8	358.6	79.70	354.8	77.56	340.6	76.03	329.3	74.58	319.1	73.85	296.5	72.54
	13.0	11.8	358.6	77.96	354.8	75.82	340.6	74.34	329.3	72.92	319.1	72.23	296.5	70.96
15.0	13.7	358.6	76.07	354.8	74.01	340.6	72.56	329.3	71.18	319.1	70.49	296.5	69.23	
110	-24.8	-25	171.5	100.3	171.5	101.3	170.4	102.3	170.4	103.8	170.4	104.9	167.0	105.4
	-21.8	-22	209.6	101.8	209.6	102.8	208.1	103.8	208.1	105.4	208.1	106.4	204.3	106.9
	-19.8	-20	221.6	102.8	221.6	103.9	220.1	104.8	220.1	106.4	220.1	107.5	215.9	108.0
	-18.8	-19	226.4	103.4	226.4	104.4	224.9	105.4	224.9	106.9	224.9	108.0	220.7	106.6
	-16.7	-17	236.6	104.4	236.6	105.5	235.1	106.4	235.1	108.0	235.1	105.2	230.6	103.7
	-13.7	-15	251.0	106.0	251.0	107.0	249.5	108.0	249.5	103.7	249.5	101.2	249.5	99.62
	-11.8	-13	259.3	106.9	259.3	108.0	257.7	105.0	257.7	101.0	257.7	98.62	257.7	96.99
	-9.8	-11	267.9	108.0	267.9	104.6	266.4	101.8	266.4	98.20	266.4	95.94	264.8	94.24
	-9.5	-10	269.4	107.4	269.4	104.1	267.9	101.4	267.9	97.78	267.9	95.53	266.8	93.83
	-8.5	-9.1	274.7	105.6	274.7	102.4	273.2	99.77	273.2	96.35	273.2	94.21	266.8	92.47
	-7.0	-7.6	282.6	102.9	282.6	99.85	280.7	97.40	280.7	94.24	280.7	92.18	266.8	90.40
	-5.0	-5.6	292.8	99.22	292.8	96.48	290.9	94.26	290.9	91.40	285.6	89.50	266.8	87.66
	-3.0	-3.7	303.3	95.59	303.3	93.08	301.5	91.09	295.8	88.57	285.6	86.82	266.8	84.91
	0.0	-0.7	318.8	90.10	318.8	88.01	305.6	86.36	295.8	84.31	285.6	82.82	266.8	80.77
	3.0	2.2	334.3	84.61	325.9	82.94	305.6	81.64	295.8	80.05	285.6	78.79	266.8	76.67
	5.0	4.1	344.7	80.98	325.9	79.54	305.6	78.47	295.8	77.22	285.6	76.12	266.8	73.92
	7.0	6.0	344.7	77.34	325.9	76.17	305.6	75.30	295.8	74.39	285.6	73.44	266.8	71.18
	9.0	7.9	344.7	74.82	325.9	73.69	305.6	72.89	295.8	71.98	285.6	71.07	266.8	68.88
	11.0	9.8	344.7	72.98	325.9	71.86	305.6	71.06	295.8	70.19	285.6	69.31	266.8	67.17
	13.0	11.8	344.7	70.97	325.9	69.92	305.6	69.12	295.8	68.29	285.6	67.41	266.8	65.34
15.0	13.7	344.7	68.87	325.9	67.82	305.6	67.06	295.8	66.26	285.6	65.40	266.8	63.40	

# 7. Capacity Tables

Heating Capacity (90HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	170.7	110.0	170.7	109.7	169.6	102.9	169.6	109.1	169.6	108.8	166.2	108.7
	-21.8	-22	208.5	109.6	208.5	109.3	207.3	106.1	207.3	108.7	207.3	109.7	203.2	108.2
	-19.8	-20	220.5	109.3	220.5	109.0	219.3	108.2	219.3	108.4	219.3	108.6	215.2	108.0
	-18.8	-19	225.3	109.2	224.1	108.9	224.1	108.7	224.1	108.3	224.1	108.0	219.6	106.3
	-16.7	-17	234.0	108.9	234.0	108.6	234.0	109.7	232.9	108.0	232.9	104.5	228.4	102.7
	-13.7	-15	249.9	108.5	249.9	108.2	248.4	108.0	248.4	102.9	248.4	99.54	243.8	97.69
	-11.8	-13	258.1	108.2	256.6	108.0	256.6	104.6	256.6	99.75	256.6	96.39	243.8	94.47
	-9.8	-11	266.4	108.0	266.4	104.2	265.3	101.1	265.3	96.38	261.6	93.06	243.8	91.10
	-9.5	-10	267.9	107.4	267.9	103.6	266.8	100.5	266.8	95.89	261.6	92.57	243.8	90.58
	-8.5	-9.1	273.2	105.4	273.2	101.8	272.0	98.75	270.6	94.20	261.6	90.89	243.8	88.90
	-7.0	-7.6	285.6	102.5	284.5	98.93	279.6	96.08	270.6	91.68	261.6	88.42	243.8	86.36
	-5.0	-5.6	298.1	98.53	295.1	95.16	279.6	92.55	270.6	88.34	261.6	85.12	243.8	82.99
	-3.0	-3.7	306.7	94.57	297.6	91.36	279.6	89.01	270.6	84.96	261.6	81.79	243.8	79.62
	0.0	-0.7	315.4	88.67	297.6	85.71	279.6	83.67	270.6	79.93	261.6	76.81	243.8	74.54
	3.0	2.2	315.4	82.75	297.6	80.06	279.6	78.36	270.6	74.87	261.6	71.86	243.8	69.49
	5.0	4.1	315.4	78.79	297.6	76.29	279.6	74.79	270.6	71.53	261.6	68.53	243.8	66.09
	7.0	6.0	315.4	74.86	297.6	72.52	279.6	71.25	270.6	68.15	261.6	65.23	243.8	62.72
	9.0	7.9	315.4	71.96	297.6	69.70	279.6	68.50	270.6	65.52	261.6	62.69	243.8	60.29
	11.0	9.8	315.4	69.66	297.6	67.49	279.6	66.30	270.6	63.44	261.6	60.69	243.8	58.37
	13.0	11.8	315.4	67.21	297.6	65.12	279.6	63.97	270.6	61.20	261.6	58.56	243.8	56.33
15.0	13.7	315.4	64.63	297.6	62.59	279.6	61.52	270.6	58.83	261.6	56.29	243.8	54.14	
90	-24.8	-25	170.0	98.33	170.0	99.86	168.9	101.0	168.9	101.5	168.9	102.5	165.8	104.0
	-21.8	-22	207.7	99.86	207.7	101.4	206.5	102.5	206.5	103.0	206.5	104.0	202.4	99.62
	-19.8	-20	219.7	100.9	219.7	102.4	218.2	103.5	218.2	104.0	218.2	101.0	214.1	96.65
	-18.8	-19	225.3	101.4	224.1	103.0	223.0	104.0	223.0	102.5	223.0	99.50	218.8	95.17
	-16.7	-17	234.0	102.5	234.0	104.0	233.2	100.8	233.2	99.20	233.2	96.32	222.8	92.06
	-13.7	-15	249.9	104.0	249.9	99.27	247.6	96.23	247.6	94.53	240.1	91.79	222.8	87.62
	-11.8	-13	258.1	100.8	256.6	96.22	255.5	93.33	248.0	91.59	240.1	88.90	222.8	84.81
	-9.8	-11	266.4	97.33	266.4	93.06	255.9	90.25	248.0	88.48	240.1	85.89	222.8	81.88
	-9.5	-10	267.9	96.81	267.9	92.58	255.9	89.80	248.0	88.00	240.1	85.45	222.8	81.43
	-8.5	-9.1	273.2	95.09	271.3	90.98	255.9	88.27	248.0	86.44	240.1	83.93	222.8	79.95
	-7.0	-7.6	285.6	92.52	271.7	88.60	255.9	85.97	248.0	84.10	240.1	81.66	222.8	77.73
	-5.0	-5.6	288.7	89.06	271.7	85.40	255.9	82.89	248.0	81.02	240.1	78.63	222.8	74.77
	-3.0	-3.7	288.7	85.64	271.7	82.24	255.9	79.84	248.0	77.90	240.1	75.59	222.8	71.81
	0.0	-0.7	288.7	80.46	271.7	77.45	255.9	75.24	248.0	73.23	240.1	71.06	222.8	67.36
	3.0	2.2	288.7	75.29	271.7	72.68	255.9	70.67	248.0	68.55	240.1	66.54	222.8	62.95
	5.0	4.1	288.7	71.87	271.7	69.49	255.9	67.59	248.0	65.43	240.1	63.50	222.8	59.99
	7.0	6.0	288.7	68.41	271.7	66.29	255.9	64.54	248.0	62.32	240.1	60.46	222.8	57.03
	9.0	7.9	288.7	65.17	271.7	63.17	255.9	61.46	248.0	59.38	240.1	57.60	222.8	54.32
	11.0	9.8	288.7	61.91	271.7	60.01	255.9	58.41	248.0	56.41	240.1	54.74	222.8	51.61
	13.0	11.8	288.7	58.67	271.7	56.86	255.9	55.33	248.0	53.44	240.1	51.87	222.8	48.90
15.0	13.7	288.7	55.44	271.7	53.73	255.9	52.28	248.0	50.50	240.1	48.98	222.8	46.19	
80	-24.8	-25	169.2	86.54	169.2	88.08	168.1	89.18	168.1	89.68	168.1	92.24	165.0	88.35
	-21.8	-22	205.5	88.08	205.5	89.64	205.5	90.71	205.5	92.24	205.5	88.35	199.1	84.61
	-19.8	-20	217.4	89.11	217.4	90.67	217.4	92.24	217.4	89.50	214.1	85.76	199.1	82.10
	-18.8	-19	222.2	89.64	222.2	92.24	222.2	90.87	221.7	88.13	214.1	84.46	199.1	80.84
	-16.7	-17	228.8	92.24	228.8	89.34	228.8	87.94	222.0	85.23	214.1	81.72	199.1	78.21
	-13.7	-15	239.3	87.96	234.5	85.19	228.8	83.74	222.0	81.12	214.1	77.83	199.1	74.47
	-11.8	-13	245.4	85.22	238.2	82.58	228.8	81.11	222.0	78.49	214.1	75.35	199.1	72.10
	-9.8	-11	251.8	82.35	241.4	79.80	228.8	78.32	222.0	75.74	214.1	72.75	199.1	69.59
	-9.5	-10	253.6	81.94	242.9	79.39	228.8	77.91	222.0	75.34	214.1	72.35	199.1	69.22
	-8.5	-9.1	256.1	80.49	243.8	78.02	228.8	76.51	222.0	73.96	214.1	71.05	199.1	67.96
	-7.0	-7.6	258.5	78.34	243.8	75.94	228.8	74.43	222.0	71.89	214.1	69.09	199.1	66.11
	-5.0	-5.6	258.5	75.48	243.8	73.16	228.8	71.61	222.0	69.15	214.1	66.50	199.1	63.59
	-3.0	-3.7	258.5	72.61	243.8	70.41	228.8	68.83	222.0	66.37	214.1	63.90	199.1	61.11
	0.0	-0.7	258.5	68.30	243.8	66.25	228.8	64.67	222.0	62.25	214.1	60.01	199.1	57.34
	3.0	2.2	258.5	64.00	243.8	62.12	228.8	60.48	222.0	58.14	214.1	56.09	199.1	53.60
	5.0	4.1	258.5	61.13	243.8	59.34	228.8	57.70	222.0	55.36	214.1	53.50	199.1	51.09
	7.0	6.0	258.5	58.27	243.8	56.59	228.8	54.91	222.0	52.62	214.1	50.90	199.1	48.60
	9.0	7.9	258.5	54.73	243.8	53.13	228.8	51.56	222.0	49.41	214.1	47.80	199.1	45.62
	11.0	9.8	258.5	50.79	243.8	49.30	228.8	47.84	222.0	45.87	214.1	44.34	199.1	42.34
	13.0	11.8	258.5	47.40	243.8	46.02	228.8	44.67	222.0	42.81	214.1	41.39	199.1	39.53
15.0	13.7	258.5	44.63	243.8	43.32	228.8	42.04	222.0	40.29	214.1	38.98	199.1	37.23	



# 7. Capacity Tables

Heating Capacity (90HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	169.2	87.01	169.2	87.51	168.1	88.54	168.1	90.11	168.1	85.82	164.1	81.86
	-21.8	-22	196.1	88.54	196.1	89.08	194.9	90.11	188.2	85.82	182.5	81.86	170.4	77.99
	-19.8	-20	213.9	89.58	207.0	90.11	194.9	87.11	188.2	83.01	182.5	79.20	170.4	75.41
	-18.8	-19	218.1	90.11	207.0	88.55	194.9	85.60	188.2	81.57	182.5	77.87	170.4	74.15
	-16.7	-17	219.4	86.89	207.0	85.30	194.9	82.49	188.2	78.61	182.5	75.07	170.4	71.45
	-13.7	-15	219.4	82.33	207.0	80.67	194.9	78.01	188.2	74.32	182.5	71.08	170.4	67.58
	-11.8	-13	219.4	79.40	207.0	77.74	194.9	75.16	188.2	71.62	182.5	68.56	170.4	65.14
	-9.8	-11	219.4	76.36	207.0	74.64	194.9	72.16	188.2	68.81	182.5	65.90	170.4	62.56
	-9.5	-10	219.4	75.92	207.0	74.19	194.9	71.72	188.2	68.37	182.5	65.49	170.4	62.18
	-8.5	-9.1	219.4	74.40	207.0	72.64	194.9	70.24	188.2	66.96	182.5	64.16	170.4	60.89
	-7.0	-7.6	219.4	72.10	207.0	70.34	194.9	67.98	188.2	64.82	182.5	62.20	170.4	58.97
	-5.0	-5.6	219.4	69.03	207.0	67.23	194.9	64.99	188.2	61.97	182.5	59.54	170.4	56.39
	-3.0	-3.7	219.4	65.99	207.0	64.15	194.9	62.02	188.2	59.13	182.5	56.88	170.4	53.84
	0.0	-0.7	219.4	61.43	207.0	59.52	194.9	57.51	188.2	54.87	182.5	52.89	170.4	49.96
	3.0	2.2	219.4	56.84	207.0	54.87	194.9	53.03	188.2	50.62	182.5	48.90	170.4	46.12
	5.0	4.1	219.4	53.80	207.0	51.79	194.9	50.07	188.2	47.77	182.5	46.24	170.4	43.54
	7.0	6.0	219.4	50.75	207.0	48.71	194.9	47.07	188.2	44.93	182.5	43.58	170.4	40.98
	9.0	7.9	219.4	45.83	207.0	43.98	194.9	42.51	188.2	40.58	182.5	39.35	170.4	37.01
	11.0	9.8	219.4	42.66	207.0	40.95	194.9	39.57	188.2	37.78	182.5	36.65	170.4	34.46
	13.0	11.8	219.4	39.93	207.0	38.32	194.9	37.01	188.2	35.37	182.5	34.28	170.4	32.23
15.0	13.7	219.4	37.63	207.0	36.13	194.9	34.90	188.2	33.33	182.5	32.31	170.4	30.38	
60	-24.8	-25	167.0	85.98	167.0	87.01	165.9	88.54	161.4	83.99	155.8	79.71	146.0	75.68
	-21.8	-22	179.6	87.51	178.0	88.54	167.1	83.99	161.4	79.71	155.8	75.68	146.0	71.81
	-19.8	-20	188.2	88.54	178.0	85.33	167.1	80.96	161.4	76.86	155.8	72.99	146.0	69.19
	-18.8	-19	188.2	86.92	178.0	83.73	167.1	79.41	161.4	75.42	155.8	71.66	146.0	67.90
	-16.7	-17	188.2	83.51	178.0	80.33	167.1	76.23	161.4	72.43	155.8	68.85	146.0	65.20
	-13.7	-15	188.2	78.65	178.0	75.52	167.1	71.68	161.4	68.14	155.8	64.82	146.0	61.29
	-11.8	-13	188.2	75.55	178.0	72.45	167.1	68.80	161.4	65.44	155.8	62.27	146.0	58.82
	-9.8	-11	188.2	72.29	178.0	69.23	167.1	65.73	161.4	62.60	155.8	59.58	146.0	56.23
	-9.5	-10	188.2	71.81	178.0	68.75	167.1	65.29	161.4	62.16	155.8	59.18	146.0	55.86
	-8.5	-9.1	188.2	70.18	178.0	67.12	167.1	63.77	161.4	60.75	155.8	57.84	146.0	54.54
	-7.0	-7.6	188.2	67.77	178.0	64.72	167.1	61.48	161.4	58.61	155.8	55.85	146.0	52.61
	-5.0	-5.6	188.2	64.51	178.0	61.50	167.1	58.45	161.4	55.76	155.8	53.15	146.0	50.03
	-3.0	-3.7	188.2	61.25	178.0	58.28	167.1	55.41	161.4	52.88	155.8	50.46	146.0	47.41
	0.0	-0.7	188.2	56.37	178.0	53.44	167.1	50.83	161.4	48.63	155.8	46.43	146.0	43.54
	3.0	2.2	188.2	51.51	178.0	48.59	167.1	46.28	161.4	44.34	155.8	42.44	146.0	39.66
	5.0	4.1	188.2	48.26	178.0	45.37	167.1	43.25	161.4	41.49	155.8	39.74	146.0	37.04
	7.0	6.0	188.2	45.00	178.0	42.15	167.1	40.19	161.4	38.62	155.8	37.05	146.0	34.46
	9.0	7.9	188.2	40.15	178.0	37.63	167.1	35.88	161.4	34.46	155.8	33.07	146.0	30.74
	11.0	9.8	188.2	37.49	178.0	35.12	167.1	33.48	161.4	32.19	155.8	30.88	146.0	28.70
	13.0	11.8	188.2	35.12	178.0	32.89	167.1	31.36	161.4	30.15	155.8	28.92	146.0	26.91
15.0	13.7	188.2	33.18	178.0	31.10	167.1	29.65	161.4	28.48	155.8	27.35	146.0	25.42	
50	-24.8	-25	156.9	75.03	147.9	76.59	139.2	72.57	134.7	68.81	130.2	65.26	121.2	61.95
	-21.8	-22	156.9	76.59	147.9	72.57	139.2	68.81	134.7	65.26	130.2	61.95	121.2	58.74
	-19.8	-20	156.9	73.79	147.9	69.88	139.2	66.30	134.7	62.87	130.2	59.73	121.2	56.64
	-18.8	-19	156.9	72.39	147.9	68.55	139.2	65.04	134.7	61.69	130.2	58.63	121.2	55.57
	-16.7	-17	156.9	69.46	147.9	65.74	139.2	62.42	134.7	59.21	130.2	56.30	121.2	53.32
	-13.7	-15	156.9	65.25	147.9	61.72	139.2	58.66	134.7	55.64	130.2	52.99	121.2	50.15
	-11.8	-13	156.9	62.59	147.9	59.17	139.2	56.29	134.7	53.39	130.2	50.89	121.2	48.12
	-9.8	-11	156.9	59.79	147.9	56.51	139.2	53.78	134.7	51.03	130.2	48.70	121.2	45.99
	-9.5	-10	156.9	59.38	147.9	56.10	139.2	53.41	134.7	50.66	130.2	48.37	121.2	45.66
	-8.5	-9.1	156.9	57.97	147.9	54.74	139.2	52.16	134.7	49.48	130.2	47.27	121.2	44.59
	-7.0	-7.6	156.9	55.90	147.9	52.74	139.2	50.28	134.7	47.71	130.2	45.61	121.2	43.00
	-5.0	-5.6	156.9	53.09	147.9	50.08	139.2	47.77	134.7	45.34	130.2	43.39	121.2	40.87
	-3.0	-3.7	156.9	50.29	147.9	47.39	139.2	45.26	134.7	42.95	130.2	41.18	121.2	38.76
	0.0	-0.7	156.9	46.11	147.9	43.36	139.2	41.50	134.7	39.40	130.2	37.87	121.2	35.56
	3.0	2.2	156.9	41.90	147.9	39.34	139.2	37.76	134.7	35.86	130.2	34.55	121.2	32.39
	5.0	4.1	156.9	39.09	147.9	36.68	139.2	35.25	134.7	33.47	130.2	32.37	121.2	30.25
	7.0	6.0	156.9	36.32	147.9	33.99	139.2	32.74	134.7	31.10	130.2	30.15	121.2	28.11
	9.0	7.9	156.9	32.78	147.9	30.70	139.2	29.57	134.7	28.08	130.2	27.24	121.2	25.38
	11.0	9.8	156.9	30.67	147.9	28.73	139.2	27.67	134.7	26.29	130.2	25.48	121.2	23.77
	13.0	11.8	156.9	28.81	147.9	26.98	139.2	25.96	134.7	24.68	130.2	23.92	121.2	22.31
15.0	13.7	156.9	27.24	147.9	25.52	139.2	24.58	134.7	23.34	130.2	22.64	121.2	21.11	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN920BTE5

Heating Capacity (92HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	175.7	103.4	175.7	104.1	174.5	104.7	174.5	105.7	174.5	106.7	171.4	108.1
	-21.8	-22	216.0	104.8	216.0	105.6	214.5	106.2	214.5	107.2	214.5	108.1	210.3	109.6
	-19.8	-20	228.9	105.8	228.9	106.6	227.3	107.2	227.3	108.2	227.3	109.1	223.1	110.5
	-18.8	-19	234.1	106.3	234.1	107.0	232.6	107.7	232.6	108.6	232.6	109.6	228.0	111.0
	-16.7	-17	244.8	107.3	244.8	108.1	243.3	108.7	243.3	109.6	243.3	110.6	238.7	112.0
	-13.7	-15	260.1	108.8	260.1	109.5	258.6	110.1	258.6	111.1	258.6	112.0	253.6	107.9
	-11.8	-13	268.6	109.7	268.6	110.4	267.0	111.0	267.0	112.0	267.0	109.3	263.1	105.4
	-9.8	-11	277.4	110.7	277.4	111.4	275.9	112.0	275.9	109.1	275.9	106.4	273.0	102.6
	-9.5	-10	279.0	110.8	279.0	111.5	277.4	111.6	277.4	108.7	277.1	106.0	274.5	102.3
	-8.5	-9.1	284.4	111.3	284.4	112.0	282.8	111.0	282.8	107.3	281.6	104.5	279.5	100.9
	-7.0	-7.6	292.5	112.0	292.5	109.9	290.6	107.9	290.6	105.1	290.6	102.4	286.8	98.85
	-5.0	-5.6	303.2	109.3	303.2	107.0	301.3	105.0	301.3	102.2	301.3	99.53	296.7	96.13
	-3.0	-3.7	314.0	106.6	314.0	104.2	312.1	102.1	312.1	99.30	312.1	96.67	306.6	93.42
	0.0	-0.7	330.1	102.5	330.1	99.95	327.9	97.66	327.9	94.95	327.9	92.35	321.8	89.33
	3.0	2.2	346.3	98.43	346.3	95.68	344.0	93.26	344.0	90.63	344.0	88.07	322.8	85.28
	5.0	4.1	356.8	95.71	356.8	92.85	354.8	90.32	354.8	87.73	354.7	85.20	322.8	82.56
	7.0	6.0	367.5	93.00	367.5	90.01	365.2	87.38	359.4	84.85	346.7	82.33	322.8	79.85
	9.0	7.9	369.4	90.78	369.4	87.84	368.3	85.31	359.4	82.83	346.7	80.35	322.8	77.94
	11.0	9.8	369.4	89.37	369.4	86.50	368.3	83.98	359.4	81.53	346.7	79.09	322.8	76.72
	13.0	11.8	369.4	87.84	369.4	85.01	368.3	82.53	359.4	80.12	346.7	77.75	322.8	75.41
15.0	13.7	369.4	86.16	369.4	83.37	368.3	80.96	359.4	78.59	346.7	76.26	322.8	73.97	
120	-24.8	-25	174.5	104.1	174.5	104.7	173.3	105.7	173.3	106.7	173.3	108.1	170.2	109.1
	-21.8	-22	214.5	105.6	214.5	106.2	213.0	107.2	213.0	108.1	213.0	109.6	209.1	110.6
	-19.8	-20	227.3	106.6	227.3	107.2	225.8	108.2	225.8	109.1	225.8	110.5	221.5	111.5
	-18.8	-19	232.3	107.0	232.3	107.7	230.8	108.6	230.8	109.6	230.8	111.0	226.5	112.0
	-16.7	-17	243.0	108.1	243.0	108.7	241.4	109.6	241.4	110.6	241.4	112.0	236.8	109.4
	-13.7	-15	258.2	109.5	258.2	110.1	256.7	111.1	256.7	112.0	256.7	108.1	251.7	105.7
	-11.8	-13	266.7	110.4	266.7	111.0	265.1	112.0	265.1	109.3	265.1	105.7	261.2	103.3
	-9.8	-11	275.5	111.4	275.5	112.0	273.9	109.0	273.9	106.4	273.9	103.1	271.1	100.8
	-9.5	-10	277.1	111.5	277.1	111.5	275.5	108.6	275.5	105.9	275.5	102.7	272.6	100.4
	-8.5	-9.1	282.4	112.0	282.4	109.9	280.6	107.0	280.6	104.5	280.6	101.4	277.3	99.15
	-7.0	-7.6	290.5	109.7	290.5	107.6	288.6	104.8	288.6	102.3	288.6	99.42	284.8	97.28
	-5.0	-5.6	301.3	106.5	301.3	104.4	299.3	101.8	299.3	99.42	299.3	96.82	294.8	94.80
	-3.0	-3.7	311.7	103.4	311.7	101.2	309.8	98.73	309.8	96.52	309.8	94.26	303.2	92.31
	0.0	-0.7	327.8	98.69	327.8	96.44	325.6	94.22	325.6	92.19	325.6	90.36	303.2	88.56
	3.0	2.2	343.7	93.99	343.7	91.70	341.7	89.68	336.7	87.84	326.3	86.46	303.2	84.82
	5.0	4.1	354.4	90.86	354.4	88.52	348.3	86.66	336.7	84.94	326.3	83.87	303.2	82.33
	7.0	6.0	365.2	87.72	362.8	85.32	348.3	83.64	336.7	82.06	326.3	81.27	303.2	79.82
	9.0	7.9	366.7	85.39	362.8	83.07	348.3	81.45	336.7	79.89	326.3	79.13	303.2	77.71
	11.0	9.8	366.7	83.83	362.8	81.57	348.3	79.96	336.7	78.43	326.3	77.67	303.2	76.29
	13.0	11.8	366.7	82.14	362.8	79.89	348.3	78.32	336.7	76.83	326.3	76.11	303.2	74.76
15.0	13.7	366.7	80.31	362.8	78.13	348.3	76.60	336.7	75.15	326.3	74.42	303.2	73.09	
110	-24.8	-25	173.7	104.7	173.7	105.7	172.5	106.7	172.5	108.1	172.5	109.1	169.1	109.6
	-21.8	-22	213.3	106.2	213.3	107.2	211.8	108.1	211.8	109.6	211.8	110.6	207.9	111.0
	-19.8	-20	226.1	107.2	226.1	108.2	224.6	109.1	224.6	110.5	224.6	111.5	220.3	112.0
	-18.8	-19	231.1	107.7	231.1	108.6	229.6	109.6	229.6	111.0	229.6	112.0	225.3	110.6
	-16.7	-17	241.8	108.7	241.8	109.6	240.2	110.6	240.2	112.0	240.2	109.2	235.6	107.7
	-13.7	-15	256.7	110.1	256.7	111.1	255.1	112.0	255.1	107.7	255.1	105.1	255.1	103.5
	-11.8	-13	265.1	111.0	265.1	112.0	263.6	109.0	263.6	105.0	263.6	102.5	263.6	100.8
	-9.8	-11	274.0	112.0	274.0	108.6	272.4	105.8	272.4	102.1	272.4	99.80	271.1	98.05
	-9.5	-10	275.5	111.5	275.5	108.1	274.0	105.3	274.0	101.7	274.0	99.38	272.8	97.63
	-8.5	-9.1	280.9	109.6	280.9	106.4	279.3	103.7	279.3	100.2	279.3	98.04	272.8	96.25
	-7.0	-7.6	289.0	106.8	289.0	103.8	287.1	101.3	287.1	98.08	287.1	95.98	272.8	94.15
	-5.0	-5.6	299.4	103.2	299.4	100.4	297.5	98.12	297.5	95.22	292.1	93.27	272.8	91.36
	-3.0	-3.7	310.1	99.49	310.1	96.94	308.2	94.91	302.4	92.35	292.1	90.55	272.8	88.56
	0.0	-0.7	325.9	93.95	325.9	91.82	312.5	90.13	302.4	88.03	292.1	86.50	272.8	84.36
	3.0	2.2	341.7	88.42	333.2	86.69	312.5	85.35	302.4	83.71	292.1	82.41	272.8	80.19
	5.0	4.1	352.5	84.74	333.2	83.25	312.5	82.14	302.4	80.85	292.1	79.70	272.8	77.40
	7.0	6.0	352.5	81.07	333.2	79.85	312.5	78.94	302.4	77.98	292.1	76.98	272.8	74.61
	9.0	7.9	352.5	78.55	333.2	77.37	312.5	76.52	302.4	75.57	292.1	74.61	272.8	72.32
	11.0	9.8	352.5	76.75	333.2	75.57	312.5	74.73	302.4	73.81	292.1	72.89	272.8	70.64
	13.0	11.8	352.5	74.77	333.2	73.66	312.5	72.82	302.4	71.94	292.1	71.02	272.8	68.84
15.0	13.7	352.5	72.70	333.2	71.60	312.5	70.79	302.4	69.95	292.1	69.04	272.8	66.93	

# 7. Capacity Tables

Heating Capacity (92HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	172.9	115.9	172.9	115.4	171.8	107.4	171.8	114.1	171.8	113.6	168.3	113.3
	-21.8	-22	212.2	115.1	212.2	114.6	211.0	110.7	211.0	113.3	211.0	114.3	206.8	112.5
	-19.8	-20	225.0	114.6	225.0	114.1	223.8	112.9	223.8	112.8	223.8	112.8	219.5	112.0
	-18.8	-19	230.0	114.3	228.8	113.8	228.8	113.3	228.8	112.6	228.8	112.0	224.2	110.3
	-16.7	-17	239.1	113.8	239.1	113.3	239.1	114.3	237.9	112.0	237.9	108.4	233.3	106.7
	-13.7	-15	255.5	113.0	255.5	112.5	254.0	112.0	254.0	106.9	254.0	103.4	249.3	101.5
	-11.8	-13	263.9	112.5	262.4	112.0	262.4	108.6	262.4	103.6	262.4	100.2	249.3	98.20
	-9.8	-11	272.5	112.0	272.5	108.2	271.3	105.0	271.3	100.2	267.5	96.78	249.3	94.76
	-9.5	-10	274.0	111.4	274.0	107.6	272.8	104.4	272.8	99.69	267.5	96.28	249.3	94.22
	-8.5	-9.1	279.4	109.4	279.4	105.7	278.2	102.6	276.7	97.97	267.5	94.57	249.3	92.50
	-7.0	-7.6	292.1	106.4	290.9	102.8	285.9	99.92	276.7	95.41	267.5	92.04	249.3	89.91
	-5.0	-5.6	304.8	102.4	301.7	99.00	285.9	96.32	276.7	92.00	267.5	88.68	249.3	86.46
	-3.0	-3.7	313.6	98.43	304.3	95.14	285.9	92.73	276.7	88.57	267.5	85.28	249.3	83.02
	0.0	-0.7	322.5	92.46	304.3	89.41	285.9	87.30	276.7	83.44	267.5	80.20	249.3	77.83
	3.0	2.2	322.5	86.46	304.3	83.67	285.9	81.91	276.7	78.29	267.5	75.15	249.3	72.66
	5.0	4.1	322.5	82.45	304.3	79.85	285.9	78.29	276.7	74.88	267.5	71.75	249.3	69.19
	7.0	6.0	322.5	78.47	304.3	76.02	285.9	74.69	276.7	71.44	267.5	68.38	249.3	65.75
	9.0	7.9	322.5	75.72	304.3	73.35	285.9	72.09	276.7	68.96	267.5	65.97	249.3	63.45
	11.0	9.8	322.5	73.62	304.3	71.32	285.9	70.07	276.7	67.04	267.5	64.14	249.3	61.69
	13.0	11.8	322.5	71.37	304.3	69.14	285.9	67.93	276.7	64.98	267.5	62.19	249.3	59.82
15.0	13.7	322.5	68.99	304.3	66.82	285.9	65.67	276.7	62.81	267.5	60.09	249.3	57.80	
90	-24.8	-25	172.2	103.1	172.2	104.5	171.0	105.5	171.0	106.0	171.0	107.0	167.9	108.4
	-21.8	-22	211.4	104.5	211.4	106.0	210.2	107.0	210.2	107.4	210.2	108.4	206.0	103.8
	-19.8	-20	224.2	105.5	224.2	106.9	222.7	107.9	222.7	108.4	222.7	105.3	218.5	100.8
	-18.8	-19	230.0	106.0	228.8	107.4	227.7	108.4	227.7	106.8	227.7	103.7	223.4	99.24
	-16.7	-17	239.1	107.0	239.1	108.4	238.3	105.1	238.3	103.4	238.3	100.4	227.8	96.02
	-13.7	-15	255.5	108.4	255.5	103.5	253.2	100.4	253.2	98.59	245.5	95.75	227.8	91.43
	-11.8	-13	263.9	105.0	262.4	100.4	261.3	97.36	253.6	95.56	245.5	92.77	227.8	88.52
	-9.8	-11	272.5	101.5	272.5	97.09	261.6	94.18	253.6	92.34	245.5	89.66	227.8	85.49
	-9.5	-10	274.0	101.0	274.0	96.59	261.6	93.72	253.6	91.85	245.5	89.20	227.8	85.03
	-8.5	-9.1	279.4	99.20	277.4	94.95	261.6	92.15	253.6	90.24	245.5	87.63	227.8	83.49
	-7.0	-7.6	292.1	96.55	277.8	92.49	261.6	89.77	253.6	87.82	245.5	85.29	227.8	81.20
	-5.0	-5.6	295.2	92.99	277.8	89.20	261.6	86.59	253.6	84.64	245.5	82.15	227.8	78.13
	-3.0	-3.7	295.2	89.46	277.8	85.93	261.6	83.45	253.6	81.42	245.5	79.01	227.8	75.07
	0.0	-0.7	295.2	84.13	277.8	80.99	261.6	78.70	253.6	76.59	245.5	74.33	227.8	70.47
	3.0	2.2	295.2	78.80	277.8	76.08	261.6	73.98	253.6	71.76	245.5	69.66	227.8	65.91
	5.0	4.1	295.2	75.27	277.8	72.79	261.6	70.80	253.6	68.55	245.5	66.52	227.8	62.85
	7.0	6.0	295.2	71.71	277.8	69.50	261.6	67.65	253.6	65.33	245.5	63.38	227.8	59.78
	9.0	7.9	295.2	68.37	277.8	66.27	261.6	64.48	253.6	62.29	245.5	60.43	227.8	56.98
	11.0	9.8	295.2	65.00	277.8	63.01	261.6	61.33	253.6	59.23	245.5	57.47	227.8	54.19
	13.0	11.8	295.2	61.67	277.8	59.76	261.6	58.15	253.6	56.17	245.5	54.52	227.8	51.39
15.0	13.7	295.2	58.33	277.8	56.53	261.6	55.01	253.6	53.13	245.5	51.54	227.8	48.59	
80	-24.8	-25	171.4	90.77	171.4	92.21	170.3	93.24	170.3	93.71	170.3	96.12	167.1	92.09
	-21.8	-22	209.1	92.21	209.1	93.68	209.1	94.68	209.1	96.12	209.1	92.09	203.6	88.22
	-19.8	-20	221.9	93.18	221.9	94.65	221.9	96.12	221.9	93.28	218.9	89.41	203.6	85.62
	-18.8	-19	226.9	93.68	226.9	96.12	226.9	94.70	226.7	91.86	218.9	88.07	203.6	84.32
	-16.7	-17	234.0	96.12	234.0	93.13	234.0	91.67	227.0	88.88	218.9	85.24	203.6	81.60
	-13.7	-15	244.7	91.71	239.8	88.84	234.0	87.34	227.0	84.62	218.9	81.21	203.6	77.73
	-11.8	-13	250.6	88.87	243.3	86.15	234.0	84.62	227.0	81.90	218.9	78.65	203.6	75.28
	-9.8	-11	257.2	85.92	246.7	83.28	234.0	81.74	227.0	79.07	218.9	75.96	203.6	72.67
	-9.5	-10	259.1	85.50	248.2	82.86	234.0	81.32	227.0	78.64	218.9	75.54	203.6	72.29
	-8.5	-9.1	261.7	84.00	249.3	81.44	234.0	79.87	227.0	77.22	218.9	74.20	203.6	70.99
	-7.0	-7.6	264.4	81.78	249.3	79.29	234.0	77.72	227.0	75.08	218.9	72.17	203.6	69.07
	-5.0	-5.6	264.4	78.83	249.3	76.42	234.0	74.81	227.0	72.24	218.9	69.49	203.6	66.47
	-3.0	-3.7	264.4	75.88	249.3	73.58	234.0	71.94	227.0	69.38	218.9	66.81	203.6	63.90
	0.0	-0.7	264.4	71.43	249.3	69.29	234.0	67.64	227.0	65.12	218.9	62.78	203.6	59.99
	3.0	2.2	264.4	66.99	249.3	65.03	234.0	63.31	227.0	60.86	218.9	58.73	203.6	56.12
	5.0	4.1	264.4	64.04	249.3	62.16	234.0	60.44	227.0	58.00	218.9	56.04	203.6	53.52
	7.0	6.0	264.4	61.08	249.3	59.32	234.0	57.56	227.0	55.16	218.9	53.36	203.6	50.95
	9.0	7.9	264.4	57.37	249.3	55.69	234.0	54.05	227.0	51.79	218.9	50.11	203.6	47.82
	11.0	9.8	264.4	53.24	249.3	51.68	234.0	50.15	227.0	48.08	218.9	46.48	203.6	44.38
	13.0	11.8	264.4	49.69	249.3	48.24	234.0	46.82	227.0	44.88	218.9	43.39	203.6	41.44
15.0	13.7	264.4	46.78	249.3	45.41	234.0	44.07	227.0	42.24	218.9	40.86	203.6	39.02	

# 7. Capacity Tables

Heating Capacity (92HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	171.4	90.99	171.4	91.46	170.3	92.43	170.3	93.89	170.3	89.46	167.1	85.35
	-21.8	-22	200.5	92.43	200.5	92.93	199.3	93.89	192.4	89.46	186.6	85.35	174.3	81.34
	-19.8	-20	219.9	93.39	211.7	93.89	199.3	90.79	192.4	86.54	186.6	82.60	174.3	78.66
	-18.8	-19	224.3	93.89	211.7	92.29	199.3	89.23	192.4	85.05	186.6	81.22	174.3	77.35
	-16.7	-17	224.3	90.57	211.7	88.92	199.3	86.00	192.4	81.98	186.6	78.31	174.3	74.55
	-13.7	-15	224.3	85.85	211.7	84.13	199.3	81.37	192.4	77.55	186.6	74.18	174.3	70.54
	-11.8	-13	224.3	82.83	211.7	81.10	199.3	78.42	192.4	74.75	186.6	71.57	174.3	68.01
	-9.8	-11	224.3	79.68	211.7	77.89	199.3	75.32	192.4	71.83	186.6	68.81	174.3	65.33
	-9.5	-10	224.3	79.22	211.7	77.42	199.3	74.86	192.4	71.38	186.6	68.39	174.3	64.95
	-8.5	-9.1	224.3	77.65	211.7	75.82	199.3	73.32	192.4	69.92	186.6	67.01	174.3	63.61
	-7.0	-7.6	224.3	75.28	211.7	73.44	199.3	70.99	192.4	67.70	186.6	64.98	174.3	61.61
	-5.0	-5.6	224.3	72.10	211.7	70.22	199.3	67.89	192.4	64.75	186.6	62.22	174.3	58.94
	-3.0	-3.7	224.3	68.96	211.7	67.04	199.3	64.82	192.4	61.80	186.6	59.46	174.3	56.29
	0.0	-0.7	224.3	64.24	211.7	62.25	199.3	60.15	192.4	57.40	186.6	55.33	174.3	52.27
	3.0	2.2	224.3	59.49	211.7	57.43	199.3	55.52	192.4	52.99	186.6	51.19	174.3	48.29
	5.0	4.1	224.3	56.35	211.7	54.25	199.3	52.45	192.4	50.04	186.6	48.44	174.3	45.61
	7.0	6.0	224.3	53.20	211.7	51.06	199.3	49.35	192.4	47.10	186.6	45.68	174.3	42.96
	9.0	7.9	224.3	48.04	211.7	46.10	199.3	44.57	192.4	42.54	186.6	41.25	174.3	38.80
	11.0	9.8	224.3	44.72	211.7	42.93	199.3	41.48	192.4	39.60	186.6	38.42	174.3	36.12
	13.0	11.8	224.3	41.85	211.7	40.17	199.3	38.80	192.4	37.07	186.6	35.93	174.3	33.79
15.0	13.7	224.3	39.45	211.7	37.88	199.3	36.58	192.4	34.94	186.6	33.87	174.3	31.84	
60	-24.8	-25	170.8	89.94	170.8	90.91	169.6	92.35	165.1	87.63	159.3	83.17	149.3	78.99
	-21.8	-22	183.7	91.38	182.0	92.35	170.8	87.63	165.1	83.17	159.3	78.99	149.3	74.96
	-19.8	-20	192.4	92.35	182.0	89.01	170.8	84.47	165.1	80.22	159.3	76.19	149.3	72.24
	-18.8	-19	192.4	90.66	182.0	87.35	170.8	82.87	165.1	78.72	159.3	74.81	149.3	70.89
	-16.7	-17	192.4	87.13	182.0	83.82	170.8	79.56	165.1	75.61	159.3	71.89	149.3	68.09
	-13.7	-15	192.4	82.09	182.0	78.83	170.8	74.84	165.1	71.16	159.3	67.70	149.3	64.02
	-11.8	-13	192.4	78.87	182.0	75.64	170.8	71.84	165.1	68.35	159.3	65.05	149.3	61.45
	-9.8	-11	192.4	75.49	182.0	72.30	170.8	68.66	165.1	65.40	159.3	62.25	149.3	58.77
	-9.5	-10	192.4	74.99	182.0	71.80	170.8	68.20	165.1	64.94	159.3	61.83	149.3	58.38
	-8.5	-9.1	192.4	73.30	182.0	70.11	170.8	66.62	165.1	63.47	159.3	60.45	149.3	57.00
	-7.0	-7.6	192.4	70.79	182.0	67.61	170.8	64.24	165.1	61.25	159.3	58.37	149.3	55.00
	-5.0	-5.6	192.4	67.41	182.0	64.27	170.8	61.09	165.1	58.29	159.3	55.57	149.3	52.31
	-3.0	-3.7	192.4	64.04	182.0	60.93	170.8	57.94	165.1	55.30	159.3	52.77	149.3	49.59
	0.0	-0.7	192.4	58.97	182.0	55.90	170.8	53.18	165.1	50.88	159.3	48.59	149.3	45.56
	3.0	2.2	192.4	53.93	182.0	50.87	170.8	48.46	165.1	46.43	159.3	44.44	149.3	41.53
	5.0	4.1	192.4	50.55	182.0	47.53	170.8	45.31	165.1	43.47	159.3	41.64	149.3	38.81
	7.0	6.0	192.4	47.17	182.0	44.19	170.8	42.13	165.1	40.48	159.3	38.84	149.3	36.12
	9.0	7.9	192.4	42.09	182.0	39.44	170.8	37.61	165.1	36.12	159.3	34.67	149.3	32.22
	11.0	9.8	192.4	39.30	182.0	36.81	170.8	35.09	165.1	33.75	159.3	32.37	149.3	30.08
	13.0	11.8	192.4	36.81	182.0	34.48	170.8	32.88	165.1	31.61	159.3	30.31	149.3	28.21
15.0	13.7	192.4	34.79	182.0	32.60	170.8	31.08	165.1	29.86	159.3	28.66	149.3	26.64	
50	-24.8	-25	160.5	78.35	151.3	79.81	142.4	75.64	137.8	71.74	133.1	68.06	123.9	64.61
	-21.8	-22	160.5	79.81	151.3	75.64	142.4	71.74	137.8	68.06	133.1	64.61	123.9	61.29
	-19.8	-20	160.5	76.91	151.3	72.85	142.4	69.13	137.8	65.58	133.1	62.32	123.9	59.10
	-18.8	-19	160.5	75.45	151.3	71.47	142.4	67.83	137.8	64.35	133.1	61.17	123.9	57.99
	-16.7	-17	160.5	72.42	151.3	68.56	142.4	65.11	137.8	61.78	133.1	58.76	123.9	55.66
	-13.7	-15	160.5	68.06	151.3	64.38	142.4	61.21	137.8	58.07	133.1	55.31	123.9	52.36
	-11.8	-13	160.5	65.30	151.3	61.74	142.4	58.75	137.8	55.73	133.1	53.13	123.9	50.26
	-9.8	-11	160.5	62.40	151.3	58.98	142.4	56.15	137.8	53.28	133.1	50.87	123.9	48.04
	-9.5	-10	160.5	61.97	151.3	58.56	142.4	55.77	137.8	52.90	133.1	50.52	123.9	47.70
	-8.5	-9.1	160.5	60.52	151.3	57.15	142.4	54.47	137.8	51.68	133.1	49.37	123.9	46.59
	-7.0	-7.6	160.5	58.37	151.3	55.08	142.4	52.51	137.8	49.84	133.1	47.65	123.9	44.94
	-5.0	-5.6	160.5	55.46	151.3	52.32	142.4	49.91	137.8	47.38	133.1	45.36	123.9	42.72
	-3.0	-3.7	160.5	52.55	151.3	49.53	142.4	47.31	137.8	44.90	133.1	43.06	123.9	40.53
	0.0	-0.7	160.5	48.22	151.3	45.35	142.4	43.40	137.8	41.22	133.1	39.62	123.9	37.21
	3.0	2.2	160.5	43.86	151.3	41.18	142.4	39.53	137.8	37.54	133.1	36.17	123.9	33.91
	5.0	4.1	160.5	40.95	151.3	38.42	142.4	36.93	137.8	35.06	133.1	33.90	123.9	31.69
	7.0	6.0	160.5	38.07	151.3	35.63	142.4	34.33	137.8	32.61	133.1	31.61	123.9	29.47
	9.0	7.9	160.5	34.36	151.3	32.18	142.4	31.00	137.8	29.44	133.1	28.55	123.9	26.61
	11.0	9.8	160.5	32.15	151.3	30.12	142.4	29.01	137.8	27.56	133.1	26.71	123.9	24.92
	13.0	11.8	160.5	30.20	151.3	28.28	142.4	27.22	137.8	25.88	133.1	25.07	123.9	23.39
15.0	13.7	160.5	28.56	151.3	26.76	142.4	25.76	137.8	24.47	133.1	23.73	123.9	22.13	

**Note**

1. TC: Total Capacity(kW), PI: Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 7. Capacity Tables

## ◆ ARUN940BTE5

Heating Capacity (94HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	179.6	106.4	179.6	107.2	178.5	107.8	178.5	108.8	178.5	109.7	175.2	111.2
	-21.8	-22	220.8	107.9	220.8	108.6	219.3	109.3	219.3	110.3	219.3	111.2	215.0	112.7
	-19.8	-20	233.9	108.9	233.9	109.6	232.3	110.3	232.3	111.3	232.3	112.2	228.0	113.7
	-18.8	-19	239.3	109.4	239.3	110.1	237.7	110.8	237.7	111.7	237.7	112.7	233.1	114.2
	-16.7	-17	250.2	110.4	250.2	111.2	248.6	111.8	248.6	112.8	248.6	113.7	243.9	115.2
	-13.7	-15	265.8	111.9	265.8	112.6	264.2	113.3	264.2	114.3	264.2	115.2	259.1	111.0
	-11.8	-13	274.5	112.8	274.5	113.6	272.9	114.2	272.9	115.2	272.9	116.2	268.9	108.3
	-9.8	-11	283.6	113.8	283.6	114.5	281.9	115.2	281.9	116.2	281.9	117.2	279.0	105.6
	-9.5	-10	285.2	114.0	285.2	114.7	283.5	115.4	283.5	116.3	283.5	117.3	280.6	105.2
	-8.5	-9.1	290.7	114.5	290.7	115.2	289.0	116.0	289.0	117.0	289.0	118.0	285.6	103.7
	-7.0	-7.6	298.9	115.2	298.9	116.0	297.0	116.8	297.0	117.8	297.0	118.8	293.1	101.7
	-5.0	-5.6	309.9	116.4	309.9	117.1	307.9	117.9	307.9	118.9	307.9	120.0	303.3	98.86
	-3.0	-3.7	320.9	117.6	320.9	117.9	318.9	118.3	318.9	119.3	318.9	120.4	313.4	96.07
	0.0	-0.7	337.4	118.4	337.4	118.8	335.1	119.4	335.1	120.6	335.1	121.8	328.9	91.87
	3.0	2.2	353.9	120.2	353.9	120.9	351.6	121.6	351.6	122.8	351.6	124.0	329.9	87.70
	5.0	4.1	364.6	121.5	364.6	122.1	362.6	122.8	362.6	124.0	362.6	125.3	329.9	84.91
	7.0	6.0	375.6	122.4	375.6	122.8	373.2	123.4	373.2	124.6	373.2	126.0	329.9	82.12
	9.0	7.9	377.6	123.0	377.6	123.3	376.4	124.0	376.4	125.2	376.4	126.6	329.9	80.15
	11.0	9.8	377.6	123.3	377.6	123.6	376.4	124.3	376.4	125.5	376.4	127.2	329.9	78.90
	13.0	11.8	377.6	123.6	377.6	123.9	376.4	124.6	376.4	125.8	376.4	128.0	329.9	77.55
15.0	13.7	377.6	124.0	377.6	124.3	376.4	125.0	376.4	126.2	376.4	129.0	329.9	76.07	
120	-24.8	-25	178.4	107.2	178.4	107.8	177.3	108.8	177.3	109.7	177.3	111.2	174.0	112.2
	-21.8	-22	219.2	108.6	219.2	109.3	217.7	110.3	217.7	111.2	217.7	112.7	213.7	113.7
	-19.8	-20	232.3	109.6	232.3	110.3	230.7	111.3	230.7	112.2	230.7	113.7	226.4	114.7
	-18.8	-19	237.4	110.1	237.4	110.8	235.8	111.7	235.8	112.7	235.8	114.2	231.5	115.2
	-16.7	-17	248.3	111.2	248.3	111.8	246.7	112.8	246.7	113.7	246.7	115.2	242.0	112.5
	-13.7	-15	263.9	112.6	263.9	113.3	262.3	114.3	262.3	115.2	262.3	116.2	257.2	108.7
	-11.8	-13	272.5	113.6	272.5	114.2	270.9	115.2	270.9	116.2	270.9	117.2	266.9	106.2
	-9.8	-11	281.6	114.5	281.6	115.2	280.0	116.2	280.0	117.2	280.0	118.2	277.1	103.7
	-9.5	-10	283.2	114.7	283.2	115.4	281.6	116.4	281.6	117.4	281.6	118.4	278.6	103.3
	-8.5	-9.1	288.7	115.2	288.7	116.0	287.0	116.8	287.0	117.8	287.0	118.8	283.4	102.0
	-7.0	-7.6	296.9	116.0	296.9	116.8	295.0	117.6	295.0	118.6	295.0	120.0	291.1	100.0
	-5.0	-5.6	307.9	117.2	307.9	117.9	305.9	118.7	305.9	119.7	305.9	121.2	301.2	97.49
	-3.0	-3.7	318.6	118.4	318.6	119.1	316.6	119.9	316.6	121.0	316.6	122.6	309.9	94.93
	0.0	-0.7	335.0	120.5	335.0	121.2	332.7	122.0	332.7	123.2	332.7	124.8	309.9	91.08
	3.0	2.2	351.2	122.6	351.2	123.3	349.2	124.2	349.2	125.4	349.2	127.0	309.9	87.23
	5.0	4.1	362.2	123.9	362.2	124.6	360.2	125.4	360.2	126.6	360.2	128.2	309.9	84.67
	7.0	6.0	373.2	124.8	373.2	125.4	371.2	126.2	371.2	127.4	371.2	129.2	309.9	82.08
	9.0	7.9	374.7	125.4	374.7	126.0	372.7	126.8	372.7	128.0	372.7	130.0	309.9	79.92
	11.0	9.8	374.7	125.7	374.7	126.3	372.7	127.1	372.7	128.3	372.7	130.6	309.9	78.46
	13.0	11.8	374.7	126.0	374.7	126.6	372.7	127.4	372.7	128.6	372.7	131.2	309.9	76.88
15.0	13.7	374.7	126.4	374.7	127.0	372.7	127.8	372.7	129.0	372.7	132.0	309.9	75.16	
110	-24.8	-25	177.6	107.8	177.6	108.8	176.4	109.7	176.4	111.2	176.4	112.2	172.9	112.7
	-21.8	-22	218.0	109.3	218.0	110.3	216.5	111.2	216.5	112.7	216.5	113.7	212.5	114.2
	-19.8	-20	231.1	110.3	231.1	111.3	229.6	112.2	229.6	113.7	229.6	114.7	225.2	115.2
	-18.8	-19	236.2	110.8	236.2	111.7	234.6	112.7	234.6	114.2	234.6	115.2	230.3	113.8
	-16.7	-17	247.1	111.8	247.1	112.8	245.5	113.7	245.5	115.2	245.5	116.2	240.8	110.7
	-13.7	-15	262.3	113.3	262.3	114.3	260.8	115.2	260.8	116.7	260.8	118.2	260.8	106.5
	-11.8	-13	271.0	114.2	271.0	115.2	269.4	116.2	269.4	117.7	269.4	119.2	269.4	103.7
	-9.8	-11	280.0	115.2	280.0	116.2	278.4	117.2	278.4	118.7	278.4	121.2	277.0	100.8
	-9.5	-10	281.6	115.4	281.6	116.1	280.0	117.0	280.0	118.0	280.0	119.0	278.8	100.4
	-8.5	-9.1	287.1	116.0	287.1	116.8	285.5	117.6	285.5	118.6	285.5	120.6	278.8	98.98
	-7.0	-7.6	295.3	116.8	295.3	117.6	293.4	118.4	293.4	119.4	293.4	121.4	278.8	96.82
	-5.0	-5.6	306.0	117.8	306.0	118.6	304.0	119.4	304.0	120.4	304.0	122.4	278.8	93.95
	-3.0	-3.7	317.0	118.8	317.0	119.6	315.0	120.4	315.0	121.4	315.0	123.4	278.8	91.08
	0.0	-0.7	333.1	120.8	333.1	121.6	331.1	122.4	331.1	123.4	331.1	125.4	278.8	86.76
	3.0	2.2	349.3	122.8	349.3	123.6	347.3	124.4	347.3	125.4	347.3	127.4	278.8	82.47
	5.0	4.1	360.2	124.1	360.2	124.9	358.2	125.8	358.2	126.8	358.2	128.8	278.8	79.60
	7.0	6.0	360.2	124.4	360.2	125.1	358.2	126.1	358.2	127.1	358.2	129.1	278.8	76.73
	9.0	7.9	360.2	124.7	360.2	125.4	358.2	126.4	358.2	127.4	358.2	130.1	278.8	74.37
	11.0	9.8	360.2	125.0	360.2	125.7	358.2	126.7	358.2	127.7	358.2	131.1	278.8	72.64
	13.0	11.8	360.2	125.3	360.2	126.0	358.2	127.0	358.2	128.0	358.2	132.1	278.8	70.79
15.0	13.7	360.2	125.6	360.2	126.3	358.2	127.3	358.2	128.3	358.2	133.1	278.8	68.83	

# 7. Capacity Tables

Heating Capacity (94HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	176.8	119.3	176.8	118.7	175.6	110.4	175.6	117.4	175.6	116.8	172.1	116.6
	-21.8	-22	216.9	118.5	216.9	117.9	215.7	113.9	215.7	116.6	215.7	117.6	211.4	115.7
	-19.8	-20	230.0	117.9	230.0	117.4	228.7	116.1	228.7	116.0	228.7	116.0	224.4	115.2
	-18.8	-19	235.0	117.6	233.8	117.1	233.8	116.6	233.8	115.8	233.8	115.2	229.1	113.4
	-16.7	-17	244.4	117.1	244.4	116.5	244.4	117.6	243.1	115.2	243.1	111.5	238.4	109.7
	-13.7	-15	261.1	116.3	261.1	115.7	259.6	115.2	259.6	109.9	259.6	106.3	254.8	104.4
	-11.8	-13	269.7	115.7	268.2	115.2	268.2	111.7	268.2	106.6	268.2	103.0	254.8	101.0
	-9.8	-11	278.5	115.2	278.5	111.3	277.2	108.0	277.2	103.0	273.4	99.53	254.8	97.44
	-9.5	-10	280.0	114.6	280.0	110.7	278.8	107.4	278.8	102.5	273.4	99.02	254.8	96.90
	-8.5	-9.1	285.5	112.5	285.5	108.7	284.3	105.6	282.8	100.8	273.4	97.26	254.8	95.13
	-7.0	-7.6	298.5	109.4	297.3	105.7	292.2	102.8	282.8	98.12	273.4	94.66	254.8	92.46
	-5.0	-5.6	311.5	105.3	308.4	101.8	292.2	99.06	282.8	94.61	273.4	91.19	254.8	88.92
	-3.0	-3.7	320.5	101.2	311.0	97.84	292.2	95.36	282.8	91.08	273.4	87.70	254.8	85.38
	0.0	-0.7	329.6	95.08	311.0	91.95	292.2	89.78	282.8	85.81	273.4	82.47	254.8	80.04
	3.0	2.2	329.6	88.92	311.0	86.05	292.2	84.24	282.8	80.51	273.4	77.28	254.8	74.72
	5.0	4.1	329.6	84.79	311.0	82.11	292.2	80.51	282.8	77.01	273.4	73.78	254.8	71.15
	7.0	6.0	329.6	80.70	311.0	78.18	292.2	76.81	282.8	73.47	273.4	70.32	254.8	67.61
	9.0	7.9	329.6	77.87	311.0	75.43	292.2	74.13	282.8	70.91	273.4	67.85	254.8	65.25
	11.0	9.8	329.6	75.71	311.0	73.35	292.2	72.05	282.8	68.95	273.4	65.96	254.8	63.44
	13.0	11.8	329.6	73.39	311.0	71.11	292.2	69.85	282.8	66.83	273.4	63.95	254.8	61.52
15.0	13.7	329.6	70.95	311.0	68.71	292.2	67.53	282.8	64.59	273.4	61.80	254.8	59.44	
90	-24.8	-25	176.0	106.0	176.0	107.5	174.9	108.6	174.9	109.0	174.9	110.0	171.7	111.5
	-21.8	-22	216.1	107.5	216.1	109.0	214.9	110.0	214.9	110.5	214.9	111.5	210.6	106.8
	-19.8	-20	229.1	108.5	229.1	110.0	227.6	111.0	227.6	111.5	227.6	108.3	223.3	103.6
	-18.8	-19	235.0	109.0	233.8	110.5	232.7	111.5	232.7	109.8	232.7	106.7	228.3	102.1
	-16.7	-17	244.4	110.0	244.4	111.5	243.5	108.1	243.5	106.4	243.5	103.3	232.8	98.76
	-13.7	-15	261.1	111.5	261.1	106.4	258.7	103.2	258.7	101.4	250.9	98.48	232.8	94.03
	-11.8	-13	269.7	108.0	268.2	103.2	267.1	100.1	259.1	98.28	250.9	95.41	232.8	91.04
	-9.8	-11	278.5	104.4	278.5	99.85	267.4	96.86	259.1	94.97	250.9	92.21	232.8	87.92
	-9.5	-10	280.0	103.8	280.0	99.34	267.4	96.38	259.1	94.46	250.9	91.74	232.8	87.44
	-8.5	-9.1	285.5	102.0	283.6	97.65	267.4	94.77	259.1	92.80	250.9	90.12	232.8	85.87
	-7.0	-7.6	298.5	99.29	284.0	95.12	267.4	92.32	259.1	90.32	250.9	87.72	232.8	83.51
	-5.0	-5.6	301.7	95.63	284.0	91.73	267.4	89.06	259.1	87.04	250.9	84.49	232.8	80.35
	-3.0	-3.7	301.7	92.00	284.0	88.38	267.4	85.82	259.1	83.73	250.9	81.26	232.8	77.20
	0.0	-0.7	301.7	86.52	284.0	83.29	267.4	80.93	259.1	78.77	250.9	76.45	232.8	72.48
	3.0	2.2	301.7	81.04	284.0	78.24	267.4	76.08	259.1	73.80	250.9	71.63	232.8	67.78
	5.0	4.1	301.7	77.41	284.0	74.86	267.4	72.81	259.1	70.49	250.9	68.41	232.8	64.63
	7.0	6.0	301.7	73.75	284.0	71.47	267.4	69.57	259.1	67.18	250.9	65.18	232.8	61.48
	9.0	7.9	301.7	70.31	284.0	68.15	267.4	66.31	259.1	64.06	250.9	62.14	232.8	58.60
	11.0	9.8	301.7	66.85	284.0	64.80	267.4	63.07	259.1	60.91	250.9	59.10	232.8	55.72
	13.0	11.8	301.7	63.41	284.0	61.45	267.4	59.80	259.1	57.76	250.9	56.06	232.8	52.85
15.0	13.7	301.7	59.98	284.0	58.13	267.4	56.56	259.1	54.64	250.9	53.00	232.8	49.97	
80	-24.8	-25	175.3	93.41	175.3	94.88	174.1	95.93	174.1	96.41	174.1	98.86	170.9	94.72
	-21.8	-22	213.8	94.88	213.8	96.37	213.8	97.39	213.8	98.86	213.8	94.72	208.0	90.73
	-19.8	-20	226.8	95.86	226.8	97.36	226.8	98.86	226.8	95.94	223.7	91.96	208.0	88.06
	-18.8	-19	231.8	96.37	231.8	98.86	231.8	97.39	231.7	94.48	223.7	90.57	208.0	86.72
	-16.7	-17	239.1	98.86	239.1	95.78	239.1	94.28	232.0	91.40	223.7	87.66	208.0	83.92
	-13.7	-15	250.1	94.32	245.0	91.37	239.1	89.83	232.0	87.03	223.7	83.52	208.0	79.94
	-11.8	-13	256.1	91.40	248.6	88.60	239.1	87.03	232.0	84.23	223.7	80.88	208.0	77.42
	-9.8	-11	262.9	88.37	252.2	85.65	239.1	84.07	232.0	81.31	223.7	78.12	208.0	74.74
	-9.5	-10	264.8	87.93	253.7	85.21	239.1	83.63	232.0	80.88	223.7	77.69	208.0	74.35
	-8.5	-9.1	267.5	86.39	254.8	83.75	239.1	82.14	232.0	79.42	223.7	76.31	208.0	73.01
	-7.0	-7.6	270.2	84.11	254.8	81.55	239.1	79.93	232.0	77.22	223.7	74.23	208.0	71.03
	-5.0	-5.6	270.2	81.07	254.8	78.59	239.1	76.94	232.0	74.30	223.7	71.47	208.0	68.36
	-3.0	-3.7	270.2	78.03	254.8	75.67	239.1	73.98	232.0	71.35	223.7	68.71	208.0	65.71
	0.0	-0.7	270.2	73.46	254.8	71.26	239.1	69.56	232.0	66.97	223.7	64.57	208.0	61.70
	3.0	2.2	270.2	68.89	254.8	66.88	239.1	65.11	232.0	62.59	223.7	60.39	208.0	57.72
	5.0	4.1	270.2	65.85	254.8	63.93	239.1	62.16	232.0	59.64	223.7	57.63	208.0	55.04
	7.0	6.0	270.2	62.82	254.8	61.00	239.1	59.20	232.0	56.72	223.7	54.87	208.0	52.40
	9.0	7.9	270.2	59.00	254.8	57.27	239.1	55.58	232.0	53.26	223.7	51.53	208.0	49.18
	11.0	9.8	270.2	54.75	254.8	53.15	239.1	51.58	232.0	49.45	223.7	47.80	208.0	45.64
	13.0	11.8	270.2	51.10	254.8	49.61	239.1	48.15	232.0	46.15	223.7	44.62	208.0	42.61
15.0	13.7	270.2	48.11	254.8	46.70	239.1	45.32	232.0	43.44	223.7	42.02	208.0	40.13	



# 7. Capacity Tables

Heating Capacity (94HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	175.3	93.61	175.3	94.09	174.1	95.07	174.1	96.57	174.1	92.00	170.9	87.78
	-21.8	-22	204.9	95.07	204.9	95.58	203.7	96.57	196.6	92.00	190.8	87.78	178.1	83.65
	-19.8	-20	224.6	96.06	216.3	96.57	203.7	93.38	196.6	89.00	190.8	84.95	178.1	80.90
	-18.8	-19	229.3	96.57	216.3	94.91	203.7	91.77	196.6	87.47	190.8	83.53	178.1	79.55
	-16.7	-17	229.3	93.14	216.3	91.45	203.7	88.45	196.6	84.31	190.8	80.54	178.1	76.67
	-13.7	-15	229.3	88.29	216.3	86.52	203.7	83.68	196.6	79.75	190.8	76.29	178.1	72.54
	-11.8	-13	229.3	85.19	216.3	83.41	203.7	80.65	196.6	76.88	190.8	73.60	178.1	69.94
	-9.8	-11	229.3	81.95	216.3	80.10	203.7	77.46	196.6	73.87	190.8	70.77	178.1	67.19
	-9.5	-10	229.3	81.47	216.3	79.63	203.7	76.99	196.6	73.41	190.8	70.34	178.1	66.79
	-8.5	-9.1	229.3	79.86	216.3	77.97	203.7	75.41	196.6	71.91	190.8	68.92	178.1	65.42
	-7.0	-7.6	229.3	77.42	216.3	75.53	203.7	73.01	196.6	69.62	190.8	66.82	178.1	63.37
	-5.0	-5.6	229.3	74.15	216.3	72.22	203.7	69.82	196.6	66.59	190.8	63.99	178.1	60.61
	-3.0	-3.7	229.3	70.92	216.3	68.95	203.7	66.66	196.6	63.56	190.8	61.15	178.1	57.89
	0.0	-0.7	229.3	66.07	216.3	64.02	203.7	61.86	196.6	59.03	190.8	56.90	178.1	53.76
	3.0	2.2	229.3	61.18	216.3	59.06	203.7	57.10	196.6	54.50	190.8	52.65	178.1	49.66
	5.0	4.1	229.3	57.95	216.3	55.79	203.7	53.94	196.6	51.46	190.8	49.81	178.1	46.90
	7.0	6.0	229.3	54.71	216.3	52.51	203.7	50.75	196.6	48.43	190.8	46.98	178.1	44.18
	9.0	7.9	229.3	49.41	216.3	47.41	203.7	45.83	196.6	43.75	190.8	42.42	178.1	39.90
	11.0	9.8	229.3	45.99	216.3	44.14	203.7	42.65	196.6	40.73	190.8	39.51	178.1	37.15
	13.0	11.8	229.3	43.04	216.3	41.31	203.7	39.90	196.6	38.13	190.8	36.95	178.1	34.75
15.0	13.7	229.3	40.57	216.3	38.95	203.7	37.62	196.6	35.93	190.8	34.83	178.1	32.75	
60	-24.8	-25	174.5	92.54	174.5	93.53	173.4	95.00	168.7	90.13	162.8	85.55	152.5	81.25
	-21.8	-22	187.7	94.01	186.0	95.00	174.6	90.13	168.7	85.55	162.8	81.25	152.5	77.10
	-19.8	-20	196.6	95.00	186.0	91.56	174.6	86.89	168.7	82.51	162.8	78.37	152.5	74.30
	-18.8	-19	196.6	93.26	186.0	89.85	174.6	85.24	168.7	80.97	162.8	76.94	152.5	72.92
	-16.7	-17	196.6	89.62	186.0	86.22	174.6	81.84	168.7	77.77	162.8	73.94	152.5	70.03
	-13.7	-15	196.6	84.44	186.0	81.08	174.6	76.98	168.7	73.19	162.8	69.64	152.5	65.85
	-11.8	-13	196.6	81.12	186.0	77.80	174.6	73.89	168.7	70.31	162.8	66.91	152.5	63.21
	-9.8	-11	196.6	77.64	186.0	74.36	174.6	70.62	168.7	67.26	162.8	64.03	152.5	60.44
	-9.5	-10	196.6	77.13	186.0	73.85	174.6	70.14	168.7	66.79	162.8	63.60	152.5	60.04
	-8.5	-9.1	196.6	75.39	186.0	72.12	174.6	68.52	168.7	65.29	162.8	62.17	152.5	58.63
	-7.0	-7.6	196.6	72.81	186.0	69.54	174.6	66.08	168.7	63.00	162.8	60.04	152.5	56.57
	-5.0	-5.6	196.6	69.34	186.0	66.11	174.6	62.83	168.7	59.95	162.8	57.16	152.5	53.80
	-3.0	-3.7	196.6	65.86	186.0	62.67	174.6	59.59	168.7	56.88	162.8	54.28	152.5	51.01
	0.0	-0.7	196.6	60.65	186.0	57.49	174.6	54.70	168.7	52.33	162.8	49.97	152.5	46.86
	3.0	2.2	196.6	55.46	186.0	52.32	174.6	49.84	168.7	47.75	162.8	45.70	152.5	42.71
	5.0	4.1	196.6	51.99	186.0	48.88	174.6	46.59	168.7	44.71	162.8	42.82	152.5	39.91
	7.0	6.0	196.6	48.51	186.0	45.44	174.6	43.32	168.7	41.63	162.8	39.94	152.5	37.15
	9.0	7.9	196.6	43.28	186.0	40.56	174.6	38.68	168.7	37.15	162.8	35.65	152.5	33.14
	11.0	9.8	196.6	40.41	186.0	37.86	174.6	36.09	168.7	34.71	162.8	33.29	152.5	30.94
	13.0	11.8	196.6	37.86	186.0	35.46	174.6	33.81	168.7	32.51	162.8	31.17	152.5	29.01
15.0	13.7	196.6	35.78	186.0	33.53	174.6	31.96	168.7	30.70	162.8	29.48	152.5	27.40	
50	-24.8	-25	164.0	80.59	154.6	82.09	145.5	77.79	140.8	73.78	136.1	69.99	126.7	66.45
	-21.8	-22	164.0	82.09	154.6	77.79	145.5	73.78	140.8	69.99	136.1	66.45	126.7	63.03
	-19.8	-20	164.0	79.10	154.6	74.92	145.5	71.10	140.8	67.44	136.1	64.09	126.7	60.78
	-18.8	-19	164.0	77.60	154.6	73.50	145.5	69.76	140.8	66.18	136.1	62.91	126.7	59.64
	-16.7	-17	164.0	74.48	154.6	70.51	145.5	66.97	140.8	63.54	136.1	60.43	126.7	57.24
	-13.7	-15	164.0	70.00	154.6	66.22	145.5	62.95	140.8	59.72	136.1	56.89	126.7	53.85
	-11.8	-13	164.0	67.16	154.6	63.50	145.5	60.43	140.8	57.32	136.1	54.64	126.7	51.69
	-9.8	-11	164.0	64.17	154.6	60.66	145.5	57.75	140.8	54.80	136.1	52.31	126.7	49.40
	-9.5	-10	164.0	63.73	154.6	60.23	145.5	57.35	140.8	54.41	136.1	51.96	126.7	49.05
	-8.5	-9.1	164.0	62.24	154.6	58.78	145.5	56.01	140.8	53.14	136.1	50.78	126.7	47.91
	-7.0	-7.6	164.0	60.03	154.6	56.65	145.5	54.01	140.8	51.25	136.1	49.01	126.7	46.22
	-5.0	-5.6	164.0	57.03	154.6	53.80	145.5	51.33	140.8	48.73	136.1	46.65	126.7	43.94
	-3.0	-3.7	164.0	54.04	154.6	50.93	145.5	48.65	140.8	46.18	136.1	44.28	126.7	41.68
	0.0	-0.7	164.0	49.59	154.6	46.64	145.5	44.64	140.8	42.39	136.1	40.74	126.7	38.26
	3.0	2.2	164.0	45.10	154.6	42.35	145.5	40.65	140.8	38.61	136.1	37.20	126.7	34.87
	5.0	4.1	164.0	42.11	154.6	39.51	145.5	37.98	140.8	36.05	136.1	34.87	126.7	32.59
	7.0	6.0	164.0	39.15	154.6	36.64	145.5	35.30	140.8	33.53	136.1	32.51	126.7	30.31
	9.0	7.9	164.0	35.34	154.6	33.10	145.5	31.88	140.8	30.27	136.1	29.36	126.7	27.36
	11.0	9.8	164.0	33.06	154.6	30.97	145.5	29.83	140.8	28.34	136.1	27.47	126.7	25.63
	13.0	11.8	164.0	31.05	154.6	29.09	145.5	27.99	140.8	26.61	136.1	25.79	126.7	24.06
15.0	13.7	164.0	29.37	154.6	27.52	145.5	26.50	140.8	25.16	136.1	24.41	126.7	22.76	

**Note**

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.



# 7. Capacity Tables

## ◆ ARUN960BTE5

Heating Capacity (96HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-24.8	-25	181.6	106.9	181.6	107.8	180.4	108.5	180.4	109.7	180.4	110.8	177.2	112.5
	-21.8	-22	224.0	108.6	224.0	109.5	222.4	110.3	222.4	111.4	222.4	112.5	218.0	114.3
	-19.8	-20	237.6	109.8	237.6	110.7	236.0	111.4	236.0	112.6	236.0	113.7	231.6	115.4
	-18.8	-19	243.2	110.4	243.2	111.2	241.6	112.0	241.6	113.2	241.6	114.3	236.8	116.0
	-16.7	-17	254.4	111.6	254.4	112.5	252.8	113.2	252.8	114.4	252.8	115.5	248.0	117.2
	-13.7	-15	270.4	113.3	270.4	114.2	268.8	115.0	268.8	116.1	268.8	117.2	263.6	113.0
	-11.8	-13	279.2	114.4	279.2	115.3	277.6	116.0	277.6	117.2	277.6	118.4	273.6	110.2
	-9.8	-11	288.4	115.6	288.4	116.4	286.8	117.2	286.8	118.4	286.8	120.6	284.0	107.4
	-9.5	-10	290.0	115.8	290.0	116.6	288.4	116.8	288.4	118.7	288.0	120.9	285.6	107.0
	-8.5	-9.1	295.6	116.4	295.6	117.2	294.0	115.2	294.0	117.2	292.8	109.4	290.8	105.6
	-7.0	-7.6	304.0	117.2	304.0	115.0	302.0	112.9	302.0	110.0	302.0	107.2	298.4	103.4
	-5.0	-5.6	315.2	114.4	315.2	112.0	313.2	109.8	313.2	106.9	313.2	104.2	308.8	100.6
	-3.0	-3.7	326.4	111.5	326.4	109.0	324.4	106.8	324.4	103.9	324.4	101.2	319.2	97.76
	0.0	-0.7	343.2	107.3	343.2	104.6	340.8	102.2	340.8	99.36	340.8	96.64	335.2	93.48
	3.0	2.2	360.0	103.0	360.0	100.1	357.6	97.60	357.6	94.84	357.6	92.16	335.6	89.24
	5.0	4.1	370.8	100.2	370.8	97.16	368.8	94.52	368.8	91.80	360.4	89.16	335.6	86.40
	7.0	6.0	382.0	97.32	382.0	94.20	379.6	91.44	373.6	88.80	360.4	86.16	335.6	83.56
	9.0	7.9	384.0	95.00	384.0	91.92	382.8	89.28	373.6	86.68	360.4	84.08	335.6	81.56
	11.0	9.8	384.0	93.52	384.0	90.52	382.8	87.88	373.6	85.32	360.4	82.76	335.6	80.28
	13.0	11.8	384.0	91.92	384.0	88.96	382.8	86.36	373.6	83.84	360.4	81.36	335.6	78.92
15.0	13.7	384.0	90.16	384.0	87.24	382.8	84.72	373.6	82.24	360.4	79.80	335.6	77.40	
120	-24.8	-25	180.4	107.8	180.4	108.5	179.2	109.7	179.2	110.8	179.2	112.5	176.0	113.7
	-21.8	-22	222.4	109.5	222.4	110.3	220.8	111.4	220.8	112.5	220.8	114.3	216.8	115.5
	-19.8	-20	236.0	110.7	236.0	111.4	234.4	112.6	234.4	113.7	234.4	115.4	230.0	116.6
	-18.8	-19	241.2	111.2	241.2	112.0	239.6	113.2	239.6	114.3	239.6	116.0	235.2	117.2
	-16.7	-17	252.4	112.5	252.4	113.2	250.8	114.4	250.8	115.5	250.8	117.2	246.0	114.5
	-13.7	-15	268.4	114.2	268.4	115.0	266.8	116.1	266.8	117.2	266.8	118.4	261.6	110.6
	-11.8	-13	277.2	115.3	277.2	116.0	275.6	117.2	275.6	118.4	275.6	120.6	271.6	108.1
	-9.8	-11	286.4	116.4	286.4	117.2	284.8	118.4	284.8	120.6	284.8	123.0	280.0	105.5
	-9.5	-10	288.0	116.6	288.0	116.7	286.4	113.6	286.4	110.8	286.4	107.4	283.6	105.1
	-8.5	-9.1	293.6	117.2	293.6	115.0	291.6	112.0	291.6	109.3	291.6	106.1	288.4	103.8
	-7.0	-7.6	302.0	114.8	302.0	112.6	300.0	109.6	300.0	107.1	300.0	104.0	296.4	101.8
	-5.0	-5.6	313.2	111.5	313.2	109.2	311.2	106.5	311.2	104.0	311.2	101.3	306.8	99.20
	-3.0	-3.7	324.0	108.2	324.0	105.9	322.0	103.3	322.0	101.0	322.0	98.64	315.2	96.60
	0.0	-0.7	340.8	103.3	340.8	100.9	338.4	98.60	338.4	96.48	338.4	94.56	315.2	92.68
	3.0	2.2	357.2	98.36	357.2	95.96	355.2	93.84	350.0	91.92	339.2	90.48	315.2	88.76
	5.0	4.1	368.4	95.08	368.4	92.64	362.0	90.68	350.0	88.88	339.2	87.76	315.2	86.16
	7.0	6.0	379.6	91.80	377.2	89.28	362.0	87.52	350.0	85.88	339.2	85.04	315.2	83.52
	9.0	7.9	381.2	89.36	377.2	86.92	362.0	85.24	350.0	83.60	339.2	82.80	315.2	81.32
	11.0	9.8	381.2	87.72	377.2	85.36	362.0	83.68	350.0	82.08	339.2	81.28	315.2	79.84
	13.0	11.8	381.2	85.96	377.2	83.60	362.0	81.96	350.0	80.40	339.2	79.64	315.2	78.24
15.0	13.7	381.2	84.04	377.2	81.76	362.0	80.16	350.0	78.64	339.2	77.88	315.2	76.48	
110	-24.8	-25	179.6	108.5	179.6	109.7	178.4	110.8	178.4	112.5	178.4	113.7	174.8	114.3
	-21.8	-22	221.2	110.3	221.2	111.4	219.6	112.5	219.6	114.3	219.6	115.5	215.6	116.0
	-19.8	-20	234.8	111.4	234.8	112.6	233.2	113.7	233.2	115.4	233.2	116.6	228.8	117.2
	-18.8	-19	240.0	112.0	240.0	113.2	238.4	114.3	238.4	116.0	238.4	117.2	234.0	115.8
	-16.7	-17	251.2	113.2	251.2	114.4	249.6	115.5	249.6	117.2	249.6	118.4	244.8	112.7
	-13.7	-15	266.8	115.0	266.8	116.1	265.2	117.2	265.2	118.4	265.2	120.6	261.6	108.3
	-11.8	-13	275.6	116.0	275.6	117.2	274.0	118.4	274.0	120.6	274.0	123.0	270.0	105.5
	-9.8	-11	284.8	117.2	284.8	118.4	283.2	119.6	283.2	121.8	283.2	124.2	280.0	102.6
	-9.5	-10	286.4	116.6	286.4	113.1	284.8	110.2	284.8	106.4	284.8	104.0	283.6	102.2
	-8.5	-9.1	292.0	114.7	292.0	111.3	290.4	108.5	290.4	104.9	290.4	102.6	283.6	100.7
	-7.0	-7.6	300.4	111.8	300.4	108.6	298.4	106.0	298.4	102.6	298.4	100.4	283.6	98.52
	-5.0	-5.6	311.2	108.0	311.2	105.0	309.2	102.7	309.2	99.64	303.6	97.60	283.6	95.60
	-3.0	-3.7	322.4	104.1	322.4	101.4	320.4	99.32	314.4	96.64	303.6	94.76	283.6	92.68
	0.0	-0.7	338.8	98.32	338.8	96.08	324.8	94.32	314.4	92.12	303.6	90.52	283.6	88.28
	3.0	2.2	355.2	92.52	346.4	90.72	324.8	89.32	314.4	87.60	303.6	86.24	283.6	83.92
	5.0	4.1	366.4	88.68	346.4	87.12	324.8	85.96	314.4	84.60	303.6	83.40	283.6	81.00
	7.0	6.0	366.4	84.84	346.4	83.56	324.8	82.60	314.4	81.60	303.6	80.56	283.6	78.08
	9.0	7.9	366.4	82.20	346.4	80.96	324.8	80.08	314.4	79.08	303.6	78.08	283.6	75.68
	11.0	9.8	366.4	80.32	346.4	79.08	324.8	78.20	314.4	77.24	303.6	76.28	283.6	73.92
	13.0	11.8	366.4	78.24	346.4	77.08	324.8	76.20	314.4	75.28	303.6	74.32	283.6	72.04
15.0	13.7	366.4	76.08	346.4	74.92	324.8	74.08	314.4	73.20	303.6	72.24	283.6	70.04	

# 7. Capacity Tables

Heating Capacity (96HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	-24.8	-25	178.8	120.5	178.8	120.0	177.6	112.0	177.6	119.0	177.6	118.5	174.0	118.3
	-21.8	-22	220.0	119.8	220.0	119.4	218.8	115.5	218.8	118.3	218.8	119.5	214.4	117.6
	-19.8	-20	233.6	119.4	233.6	119.0	232.4	117.8	232.4	117.9	232.4	118.0	228.0	117.2
	-18.8	-19	238.8	119.2	237.6	118.8	237.6	118.3	237.6	117.7	237.6	117.2	232.8	115.4
	-16.7	-17	248.4	118.7	248.4	118.3	248.4	119.5	247.2	117.2	247.2	113.5	242.4	111.6
	-13.7	-15	265.6	118.1	265.6	117.6	264.0	117.2	264.0	111.8	264.0	108.2	259.2	106.2
	-11.8	-13	274.4	117.6	272.8	117.2	272.8	113.6	272.8	108.4	272.8	104.8	259.2	102.8
	-9.8	-11	283.2	117.2	283.2	113.2	282.0	109.8	282.0	104.8	278.0	101.3	259.2	99.16
	-9.5	-10	284.8	116.6	284.8	112.6	283.6	109.3	283.6	104.3	278.0	100.8	259.2	98.60
	-8.5	-9.1	290.4	114.5	290.4	110.6	289.2	107.4	287.6	102.5	278.0	98.96	259.2	96.80
	-7.0	-7.6	303.6	111.4	302.4	107.6	297.2	104.6	287.6	99.84	278.0	96.32	259.2	94.08
	-5.0	-5.6	316.8	107.2	313.6	103.6	297.2	100.8	287.6	96.28	278.0	92.80	259.2	90.48
	-3.0	-3.7	326.0	103.0	316.4	99.56	297.2	97.04	287.6	92.68	278.0	89.24	259.2	86.88
	0.0	-0.7	335.2	96.76	316.4	93.56	297.2	91.36	287.6	87.32	278.0	83.92	259.2	81.44
	3.0	2.2	335.2	90.48	316.4	87.56	297.2	85.72	287.6	81.92	278.0	78.64	259.2	76.04
	5.0	4.1	335.2	86.28	316.4	83.56	297.2	81.92	287.6	78.36	278.0	75.08	259.2	72.40
	7.0	6.0	335.2	82.12	316.4	79.56	297.2	78.16	287.6	74.76	278.0	71.56	259.2	68.80
	9.0	7.9	335.2	79.24	316.4	76.76	297.2	75.44	287.6	72.16	278.0	69.04	259.2	66.40
	11.0	9.8	335.2	77.04	316.4	74.64	297.2	73.32	287.6	70.16	278.0	67.12	259.2	64.56
	13.0	11.8	335.2	74.68	316.4	72.36	297.2	71.08	287.6	68.00	278.0	65.08	259.2	62.60
15.0	13.7	335.2	72.20	316.4	69.92	297.2	68.72	287.6	65.72	278.0	62.88	259.2	60.48	
90	-24.8	-25	178.0	106.9	178.0	108.6	176.8	109.9	176.8	110.4	176.8	111.6	173.6	113.3
	-21.8	-22	219.2	108.6	219.2	110.4	218.0	111.6	218.0	112.2	218.0	113.3	213.6	108.6
	-19.8	-20	232.8	109.8	232.8	111.5	231.2	112.8	231.2	113.3	231.2	110.1	226.8	105.4
	-18.8	-19	238.8	110.4	237.6	112.1	236.4	113.3	236.4	111.6	236.4	108.4	232.0	103.8
	-16.7	-17	248.4	111.6	248.4	113.3	247.6	109.9	247.6	108.1	247.6	105.0	236.8	100.4
	-13.7	-15	265.6	113.3	265.6	108.2	263.2	104.9	263.2	103.1	255.2	100.1	236.8	95.60
	-11.8	-13	274.4	109.8	272.8	104.9	271.6	101.8	263.6	99.92	255.2	97.00	236.8	92.56
	-9.8	-11	283.2	106.1	283.2	101.5	272.0	98.48	263.6	96.56	255.2	93.76	236.8	89.40
	-9.5	-10	284.8	105.6	284.8	101.0	272.0	98.00	263.6	96.04	255.2	93.28	236.8	88.92
	-8.5	-9.1	290.4	103.7	288.4	99.28	272.0	96.36	263.6	94.36	255.2	91.64	236.8	87.32
	-7.0	-7.6	303.6	101.0	288.8	96.72	272.0	93.88	263.6	91.84	255.2	89.20	236.8	84.92
	-5.0	-5.6	306.8	97.24	288.8	93.28	272.0	90.56	263.6	88.52	255.2	85.92	236.8	81.72
	-3.0	-3.7	306.8	93.56	288.8	89.88	272.0	87.28	263.6	85.16	255.2	82.64	236.8	78.52
	0.0	-0.7	306.8	88.00	288.8	84.72	272.0	82.32	263.6	80.12	255.2	77.76	236.8	73.72
	3.0	2.2	306.8	82.44	288.8	79.60	272.0	77.40	263.6	75.08	255.2	72.88	236.8	68.96
	5.0	4.1	306.8	78.76	288.8	76.16	272.0	74.08	263.6	71.72	255.2	69.60	236.8	65.76
	7.0	6.0	306.8	75.04	288.8	72.72	272.0	70.80	263.6	68.36	255.2	66.32	236.8	62.56
	9.0	7.9	306.8	71.56	288.8	69.36	272.0	67.48	263.6	65.20	255.2	63.24	236.8	59.64
	11.0	9.8	306.8	68.04	288.8	65.96	272.0	64.20	263.6	62.00	255.2	60.16	236.8	56.72
	13.0	11.8	306.8	64.56	288.8	62.56	272.0	60.88	263.6	58.80	255.2	57.08	236.8	53.80
15.0	13.7	306.8	61.08	288.8	59.20	272.0	57.60	263.6	55.64	255.2	53.96	236.8	50.88	
80	-24.8	-25	177.2	94.08	177.2	95.80	176.0	97.04	176.0	97.60	176.0	100.5	172.8	96.28
	-21.8	-22	216.8	95.80	216.8	97.56	216.8	98.76	216.8	100.5	216.8	96.28	211.6	92.24
	-19.8	-20	230.4	96.96	230.4	98.72	230.4	100.5	230.4	97.52	227.6	93.48	211.6	89.52
	-18.8	-19	235.6	97.56	235.6	100.5	235.6	99.00	235.6	96.04	227.6	92.08	211.6	88.16
	-16.7	-17	243.2	100.5	243.2	97.36	243.2	95.84	236.0	92.92	227.6	89.12	211.6	85.32
	-13.7	-15	254.4	95.88	249.2	92.88	243.2	91.32	236.0	88.48	227.6	84.92	211.6	81.28
	-11.8	-13	260.4	92.92	252.8	90.08	243.2	88.48	236.0	85.64	227.6	82.24	211.6	78.72
	-9.8	-11	267.2	89.84	256.4	87.08	243.2	85.48	236.0	82.68	227.6	79.44	211.6	76.00
	-9.5	-10	269.2	89.40	258.0	86.64	243.2	85.04	236.0	82.24	227.6	79.00	211.6	75.60
	-8.5	-9.1	272.0	87.84	259.2	85.16	243.2	83.52	236.0	80.76	227.6	77.60	211.6	74.24
	-7.0	-7.6	274.8	85.52	259.2	82.92	243.2	81.28	236.0	78.52	227.6	75.48	211.6	72.24
	-5.0	-5.6	274.8	82.44	259.2	79.92	243.2	78.24	236.0	75.56	227.6	72.68	211.6	69.52
	-3.0	-3.7	274.8	79.36	259.2	76.96	243.2	75.24	236.0	72.56	227.6	69.88	211.6	66.84
	0.0	-0.7	274.8	74.72	259.2	72.48	243.2	70.76	236.0	68.12	227.6	65.68	211.6	62.76
	3.0	2.2	274.8	70.08	259.2	68.04	243.2	66.24	236.0	63.68	227.6	61.44	211.6	58.72
	5.0	4.1	274.8	67.00	259.2	65.04	243.2	63.24	236.0	60.68	227.6	58.64	211.6	56.00
	7.0	6.0	274.8	63.92	259.2	62.08	243.2	60.24	236.0	57.72	227.6	55.84	211.6	53.32
	9.0	7.9	274.8	60.04	259.2	58.28	243.2	56.56	236.0	54.20	227.6	52.44	211.6	50.04
	11.0	9.8	274.8	55.72	259.2	54.08	243.2	52.48	236.0	50.32	227.6	48.64	211.6	46.44
	13.0	11.8	274.8	52.00	259.2	50.48	243.2	49.00	236.0	46.96	227.6	45.40	211.6	43.36
15.0	13.7	274.8	48.96	259.2	47.52	243.2	46.12	236.0	44.20	227.6	42.76	211.6	40.84	

# 7. Capacity Tables

Heating Capacity (96HP)

Combination (%)	Outdoor air temp.		Indoor air temp. °C DB											
			16		18		20		21		22		24	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	-24.8	-25	177.2	94.68	177.2	95.24	176.0	96.40	176.0	98.16	176.0	93.52	172.8	89.24
	-21.8	-22	208.4	96.40	208.4	97.00	207.2	98.16	200.0	93.52	194.0	89.24	181.2	85.04
	-19.8	-20	229.2	97.56	220.0	98.16	207.2	94.92	200.0	90.48	194.0	86.36	181.2	82.24
	-18.8	-19	233.2	98.16	220.0	96.48	207.2	93.28	200.0	88.92	194.0	84.92	181.2	80.88
	-16.7	-17	233.2	94.68	220.0	92.96	207.2	89.92	200.0	85.72	194.0	81.88	181.2	77.96
	-13.7	-15	233.2	89.76	220.0	87.96	207.2	85.08	200.0	81.08	194.0	77.56	181.2	73.76
	-11.8	-13	233.2	86.60	220.0	84.80	207.2	82.00	200.0	78.16	194.0	74.84	181.2	71.12
	-9.8	-11	233.2	83.32	220.0	81.44	207.2	78.76	200.0	75.12	194.0	71.96	181.2	68.32
	-9.5	-10	233.2	82.84	220.0	80.96	207.2	78.28	200.0	74.64	194.0	71.52	181.2	67.92
	-8.5	-9.1	233.2	81.20	220.0	79.28	207.2	76.68	200.0	73.12	194.0	70.08	181.2	66.52
	-7.0	-7.6	233.2	78.72	220.0	76.80	207.2	74.24	200.0	70.80	194.0	67.96	181.2	64.44
	-5.0	-5.6	233.2	75.40	220.0	73.44	207.2	71.00	200.0	67.72	194.0	65.08	181.2	61.64
	-3.0	-3.7	233.2	72.12	220.0	70.12	207.2	67.80	200.0	64.64	194.0	62.20	181.2	58.88
	0.0	-0.7	233.2	67.20	220.0	65.12	207.2	62.92	200.0	60.04	194.0	57.88	181.2	54.68
	3.0	2.2	233.2	62.24	220.0	60.08	207.2	58.08	200.0	55.44	194.0	53.56	181.2	50.52
	5.0	4.1	233.2	58.96	220.0	56.76	207.2	54.88	200.0	52.36	194.0	50.68	181.2	47.72
	7.0	6.0	233.2	55.68	220.0	53.44	207.2	51.64	200.0	49.28	194.0	47.80	181.2	44.96
	9.0	7.9	233.2	50.28	220.0	48.24	207.2	46.64	200.0	44.52	194.0	43.16	181.2	40.60
	11.0	9.8	233.2	46.80	220.0	44.92	207.2	43.40	200.0	41.44	194.0	40.20	181.2	37.80
	13.0	11.8	233.2	43.80	220.0	42.04	207.2	40.60	200.0	38.80	194.0	37.60	181.2	35.36
15.0	13.7	233.2	41.28	220.0	39.64	207.2	38.28	200.0	36.56	194.0	35.44	181.2	33.32	
60	-24.8	-25	177.2	93.52	177.2	94.68	176.0	96.40	171.6	91.48	165.6	86.84	155.2	82.48
	-21.8	-22	190.8	95.24	189.2	96.40	177.6	91.48	171.6	86.84	165.6	82.48	155.2	78.28
	-19.8	-20	200.0	96.40	189.2	92.92	177.6	88.20	171.6	83.76	165.6	79.56	155.2	75.44
	-18.8	-19	200.0	94.64	189.2	91.20	177.6	86.52	171.6	82.20	165.6	78.12	155.2	74.04
	-16.7	-17	200.0	90.96	189.2	87.52	177.6	83.08	171.6	78.96	165.6	75.08	155.2	71.12
	-13.7	-15	200.0	85.72	189.2	82.32	177.6	78.16	171.6	74.32	165.6	70.72	155.2	66.88
	-11.8	-13	200.0	82.36	189.2	79.00	177.6	75.04	171.6	71.40	165.6	67.96	155.2	64.20
	-9.8	-11	200.0	78.84	189.2	75.52	177.6	71.72	171.6	68.32	165.6	65.04	155.2	61.40
	-9.5	-10	200.0	78.32	189.2	75.00	177.6	71.24	171.6	67.84	165.6	64.60	155.2	61.00
	-8.5	-9.1	200.0	76.56	189.2	73.24	177.6	69.60	171.6	66.32	165.6	63.16	155.2	59.56
	-7.0	-7.6	200.0	73.96	189.2	70.64	177.6	67.12	171.6	64.00	165.6	61.00	155.2	57.48
	-5.0	-5.6	200.0	70.44	189.2	67.16	177.6	63.84	171.6	60.92	165.6	58.08	155.2	54.68
	-3.0	-3.7	200.0	66.92	189.2	63.68	177.6	60.56	171.6	57.80	165.6	55.16	155.2	51.84
	0.0	-0.7	200.0	61.64	189.2	58.44	177.6	55.60	171.6	53.20	165.6	50.80	155.2	47.64
	3.0	2.2	200.0	56.40	189.2	53.20	177.6	50.68	171.6	48.56	165.6	46.48	155.2	43.44
	5.0	4.1	200.0	52.88	189.2	49.72	177.6	47.40	171.6	45.48	165.6	43.56	155.2	40.60
	7.0	6.0	200.0	49.36	189.2	46.24	177.6	44.08	171.6	42.36	165.6	40.64	155.2	37.80
	9.0	7.9	200.0	44.04	189.2	41.28	177.6	39.36	171.6	37.80	165.6	36.28	155.2	33.72
	11.0	9.8	200.0	41.12	189.2	38.52	177.6	36.72	171.6	35.32	165.6	33.88	155.2	31.48
	13.0	11.8	200.0	38.52	189.2	36.08	177.6	34.40	171.6	33.08	165.6	31.72	155.2	29.52
15.0	13.7	200.0	36.40	189.2	34.12	177.6	32.52	171.6	31.24	165.6	30.00	155.2	27.88	
50	-24.8	-25	166.8	81.68	157.2	83.44	148.0	79.08	143.2	75.00	138.4	71.16	128.8	67.56
	-21.8	-22	166.8	83.44	157.2	79.08	148.0	75.00	143.2	71.16	138.4	67.56	128.8	64.08
	-19.8	-20	166.8	80.40	157.2	76.16	148.0	72.28	143.2	68.56	138.4	65.16	128.8	61.80
	-18.8	-19	166.8	78.88	157.2	74.72	148.0	70.92	143.2	67.28	138.4	63.96	128.8	60.64
	-16.7	-17	166.8	75.72	157.2	71.68	148.0	68.08	143.2	64.60	138.4	61.44	128.8	58.20
	-13.7	-15	166.8	71.16	157.2	67.32	148.0	64.00	143.2	60.72	138.4	57.84	128.8	54.76
	-11.8	-13	166.8	68.28	157.2	64.56	148.0	61.44	143.2	58.28	138.4	55.56	128.8	52.56
	-9.8	-11	166.8	65.24	157.2	61.68	148.0	58.72	143.2	55.72	138.4	53.20	128.8	50.24
	-9.5	-10	166.8	64.80	157.2	61.24	148.0	58.32	143.2	55.32	138.4	52.84	128.8	49.88
	-8.5	-9.1	166.8	63.28	157.2	59.76	148.0	56.96	143.2	54.04	138.4	51.64	128.8	48.72
	-7.0	-7.6	166.8	61.04	157.2	57.60	148.0	54.92	143.2	52.12	138.4	49.84	128.8	47.00
	-5.0	-5.6	166.8	58.00	157.2	54.72	148.0	52.20	143.2	49.56	138.4	47.44	128.8	44.68
	-3.0	-3.7	166.8	54.96	157.2	51.80	148.0	49.48	143.2	46.96	138.4	45.04	128.8	42.40
	0.0	-0.7	166.8	50.44	157.2	47.44	148.0	45.40	143.2	43.12	138.4	41.44	128.8	38.92
	3.0	2.2	166.8	45.88	157.2	43.08	148.0	41.36	143.2	39.28	138.4	37.84	128.8	35.48
	5.0	4.1	166.8	42.84	157.2	40.20	148.0	38.64	143.2	36.68	138.4	35.48	128.8	33.16
	7.0	6.0	166.8	39.84	157.2	37.28	148.0	35.92	143.2	34.12	138.4	33.08	128.8	30.84
	9.0	7.9	166.8	35.96	157.2	33.68	148.0	32.44	143.2	30.80	138.4	29.88	128.8	27.84
	11.0	9.8	166.8	33.64	157.2	31.52	148.0	30.36	143.2	28.84	138.4	27.96	128.8	26.08
	13.0	11.8	166.8	31.60	157.2	29.60	148.0	28.48	143.2	27.08	138.4	26.24	128.8	24.48
15.0	13.7	166.8	29.88	157.2	28.00	148.0	26.96	143.2	25.60	138.4	24.84	128.8	23.16	

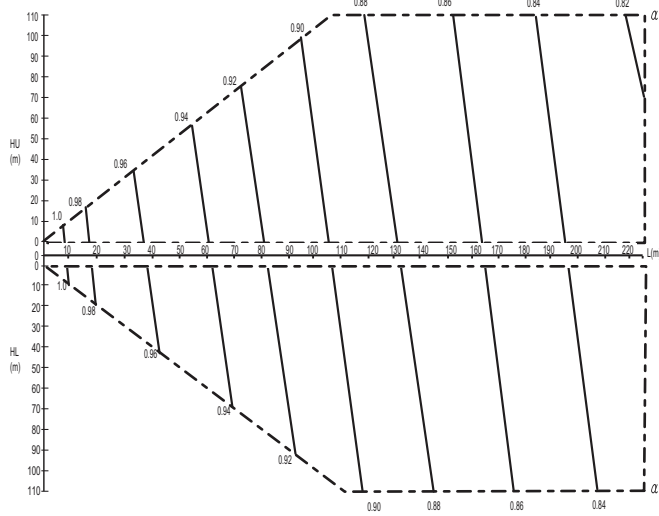
**Note**

1. TC: Total Capacity(kW), PI: Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.

# 8. Capacity Correction Factor

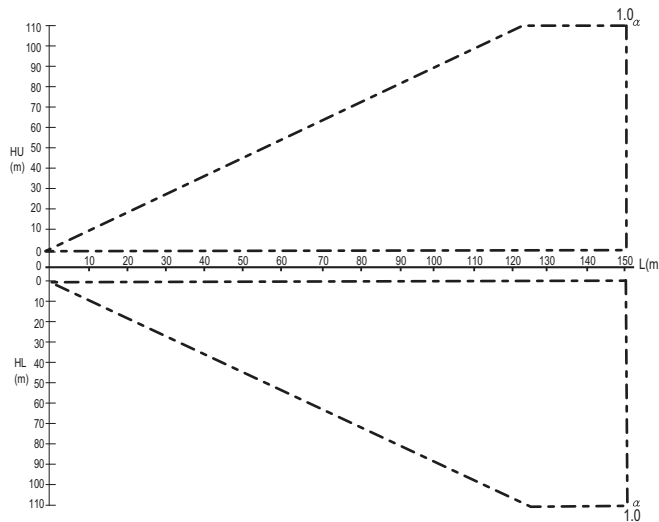
## 8.1 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34HP

### ◆ Rate of change in Cooling capacity



110	-	-	-	-	-	-	-	-	-	-	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
100	-	-	-	-	-	-	-	-	-	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
90	-	-	-	-	-	-	-	-	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
80	-	-	-	-	-	-	-	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
70	-	-	-	-	-	-	0.92	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
60	-	-	-	-	-	0.93	0.93	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
50	-	-	-	-	0.94	0.93	0.93	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
40	-	-	-	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
30	-	-	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
20	-	0.96	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
10	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82														
0	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82														
0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	225										
7.5	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82										
10	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82									
20	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82								
30	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82								
40	-	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82							
50	-	-	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82						
60	-	-	-	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82					
70	-	-	-	-	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82				
80	-	-	-	-	-	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82			
90	-	-	-	-	-	-	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82		
100	-	-	-	-	-	-	-	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	
110	-	-	-	-	-	-	-	-	-	-	-	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82

### ◆ Rate of change in Heating capacity



110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0
100	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90	-	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80	-	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
60	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
40	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
20	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150				
7.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
20	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
40	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
60	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	-	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
110	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

### Symbols

- HU : Level difference between indoor and outdoor units where outdoor unit in upper position (m)
- HL : Level difference between indoor and outdoor units where outdoor unit in lower position (m)
- L : Equivalent pipe length (m)
- $\alpha$  : Capacity correction factor









## 8. Capacity Correction Factor

### Note

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load under standard conditions. (Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.)
- With this outdoor unit, constant evaporating pressure control during cooling, and constant condensing pressure control during heating is carried out.
- If heat insulation of piping is insufficient, heat loss will become larger and capacity will decrease.
- Method of calculating cooling / heating capacity : maximum cooling / heating capacity of outside units = cooling / heating capacity of outdoor units obtained from capacity table X capacity correction factor due to piping length to the farthest indoor unit
- Equivalent piping length for Y Branch and other pipes can be calculated with following table.

mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø25.4 (1)	Ø28.58 (1-1/8)	Ø31.8 (1-1/4)	Ø34.9 (1-3/8)	Ø38.1 (1-1/2)	Ø41.3 (1-5/8)	Ø44.5 (1-3/4)	Ø53.98 (2-1/8)
Elbow (m)	0.16	0.18	0.2	0.25	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.85
Y Branch (m)	0.5													
Header (m)	1													
HR unit (m)	2.5													

- When the any one (or both ) of below conditions are satisfied, the diameter of main pipe must be increased.
  - The equivalent length between outdoor unit and the farthest indoor unit is 90m or more (Liquid and Gas pipes are increased)
  - The level difference (Outdoor unit ↔ Indoor unit) is 50m or more (Only liquid pipe is increased)

Refer to the table (Refrigerant pipe diameter from outdoor unit to first branch.) in the 'installation of outdoor units' part.

- Read cooling / heating capacity rate of change in the above figures based on the following equivalent length. : overall equivalent length = (equivalent length of main pipe) X correction factor + (equivalent length after first branching)
  - 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34HP**

Rate of change (object piping)	Correction factor	
	standard size	size increase
Cooling(Gas pipe)	1	0.5
Heating(Liquid pipe)	1	0.2

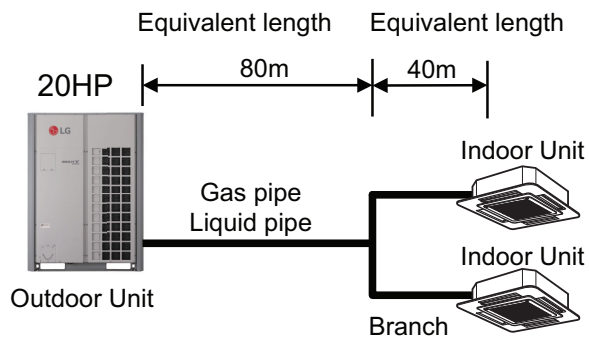
- 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60HP**

Rate of change (object piping)	Correction factor	
	standard size	size increase
Cooling(Gas pipe)	1	0.5
Heating(Liquid pipe)	1	0.4

- 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96HP**

Rate of change (object piping)	Correction factor	
	standard size	size increase
Cooling(Gas pipe)	1	-
Heating(Liquid pipe)	1	0.4

## 8. Capacity Correction Factor



\* (Cooling) Overall equivalent length =  $80 \text{ m} \times 0.5 + 40 \text{ m} = 80 \text{ m}$

\* (Heating) Overall equivalent length =  $80 \text{ m} \times 0.2 + 40 \text{ m} = 56 \text{ m}$

The rate of change in  
Cooling capacity when  $HU=0\text{m}$  is thus approximately 0.92  
Heating capacity when  $HU=0\text{m}$  is thus approximately 1.00

## 8. Capacity Correction Factor

### 8.5 Defrosting Correction Factor for Heating Operation

The capacity table does not consider reduction in capacity when frost has accumulated or during defrosting.

The capacity values considered these factors, in other words the integrated heating capacity values, can be obtained as follows:

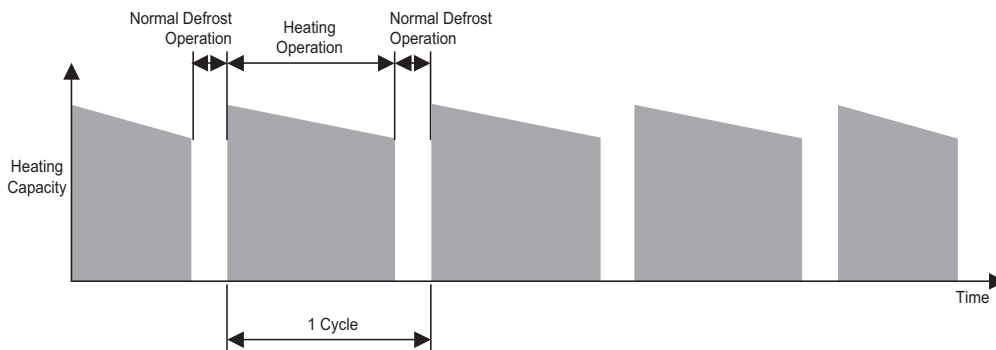
#### [ Formula ]

- Integrated Heating capacity = A
- Value given in table of capacity characteristics = B
- Integrated correction factor for frost accumulation = C
- $A=B \times C$

#### [ Correction factor for finding integrated Heating capacity ]

Inlet Air Temperature of Heat Exchanger (°C, RH 85%)	-7	-5	-3	0	3	5	7
Integrated Correction Factor for Frost Accumulation (Normal Defrost Operation)	0.92	0.90	0.86	0.84	0.85	0.90	1.0
Integrated Correction Factor for Frost Accumulation (Normal Defrost Operation / Dual sensing )	0.92	0.90	0.86	0.86	0.86	0.91	1.0

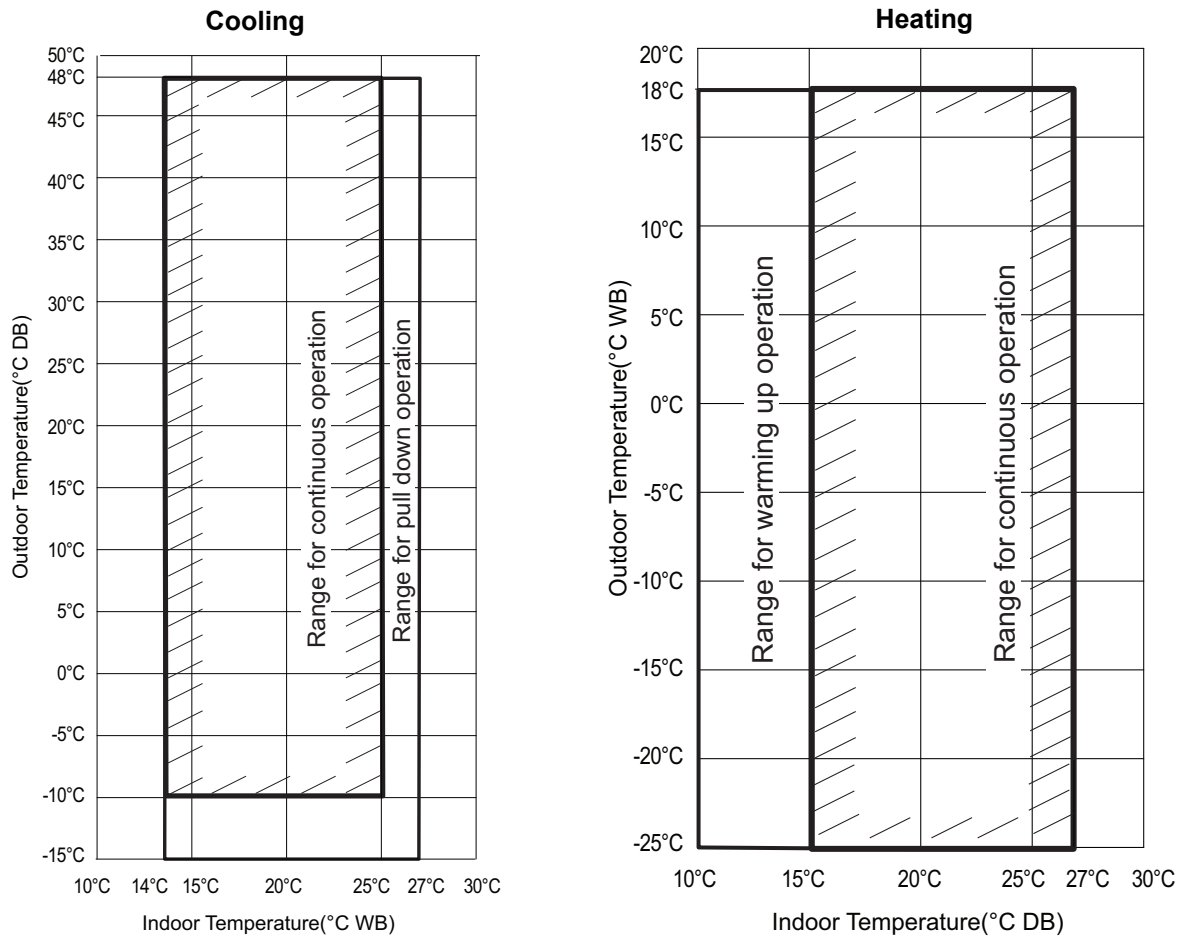
#### ◆ Normal Defrost Operation



Please note that there will be temporary reduction in capacity when snow piles up on the outside surface of the outdoor unit heat exchanger. Of course, it will be different in degree depending on a number of other factors, for example, the outdoor temperature(°CDB), the relative humidity(RH) and the frosting amount.

## 9. Operation Limits

### ■ Cooling / Heating Operation

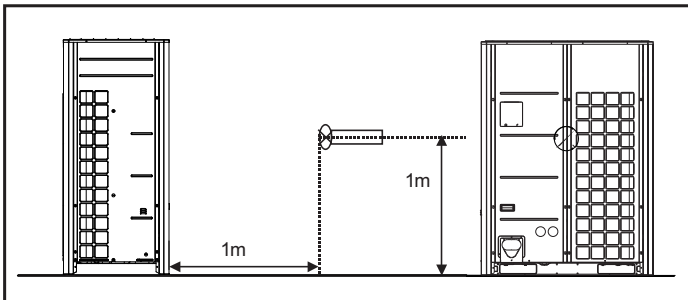


#### Note

1. These figures assume the following operating conditions:  
Equivalent piping length:7.5m  
Level difference:0m
2. Range of pull down operation:  
If the relative humidity is too high, cooling capacity can be decreased by the sensible heat reduction.
3. Warming up operation means that the outdoor unit operates to reach the range of continuous operating, however it may not operate continuously due to safety or protection logic.

## 10. Sound Levels

### 10.1 Sound Pressure Level



**Note**

- Data is valid at free field condition
- Data is valid at nominal operating condition
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed
- Sound level can be increased in static pressure mode or air guide application.

Unit: dB(A)

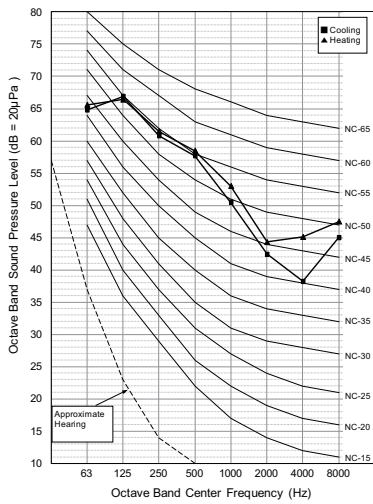
Model	Cooling	Heating
ARUN100BTE5	58.0	59.0
ARUN120BTE5	59.0	60.0
ARUN140BTE5	60.0	61.0
ARUN160BTE5	60.5	61.5
ARUN180BTE5	61.0	62.0
ARUN200BTE5	62.0	64.5
ARUN220BTE5	64.5	65.5
ARUN240BTE5	65.0	67.0
ARUN260BTE5	65.0	67.0
ARUN221BTE5	61.5	62.5
ARUN241BTE5	62.0	63.0
ARUN261BTE5	62.5	63.5
ARUN280BTE5	62.8	63.8
ARUN300BTE5	63.1	64.1
ARUN320BTE5	63.8	65.8
ARUN340BTE5	65.6	66.6
ARUN360BTE5	66.0	67.8
ARUN380BTE5	66.2	68.0
ARUN400BTE5	66.3	68.1
ARUN420BTE5	66.5	68.2
ARUN440BTE5	66.8	68.9
ARUN460BTE5	67.8	69.3
ARUN480BTE5	68.0	70.0
ARUN500BTE5	67.0	68.6
ARUN520BTE5	67.1	68.7
ARUN540BTE5	67.2	68.8
ARUN560BTE5	67.4	69.5
ARUN580BTE5	68.3	69.8
ARUN600BTE5	68.5	70.4
ARUN620BTE5	68.6	70.5
ARUN640BTE5	68.7	70.6
ARUN660BTE5	68.8	70.6
ARUN680BTE5	69.0	71.1
ARUN700BTE5	69.6	71.3
ARUN720BTE5	69.8	71.8
ARUN740BTE5	69.1	70.9
ARUN760BTE5	69.2	70.9
ARUN780BTE5	69.2	71.0



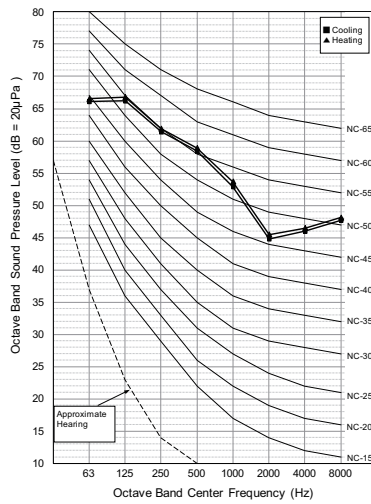
# 10. Sound Levels

Model	Cooling	Heating
ARUN800BTE5	69.4	71.4
ARUN820BTE5	70.0	71.6
ARUN840BTE5	70.1	72.1
ARUN860BTE5	70.2	72.1
ARUN880BTE5	70.3	72.2
ARUN900BTE5	70.3	72.2
ARUN920BTE5	70.4	72.5
ARUN940BTE5	70.9	72.7
ARUN960BTE5	71.0	73.0

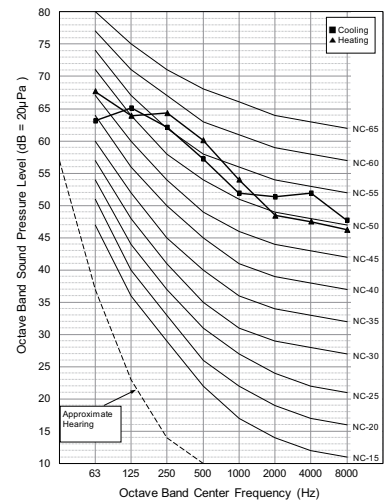
**ARUN100BTE5**



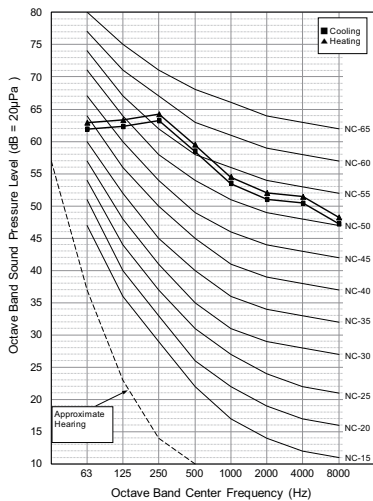
**ARUN120BTE5**



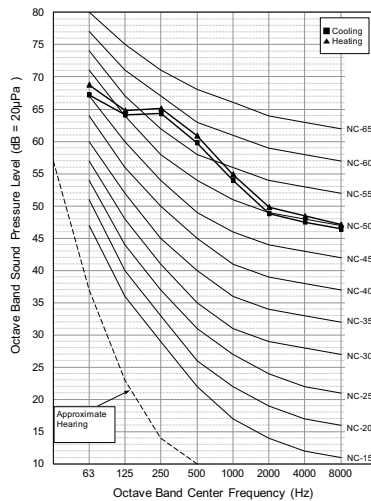
**ARUN140BTE5**



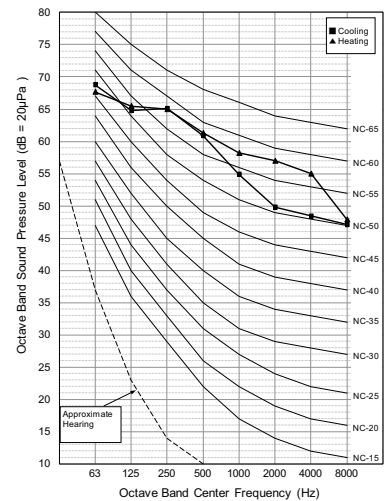
**ARUN160BTE5**



**ARUN180BTE5**

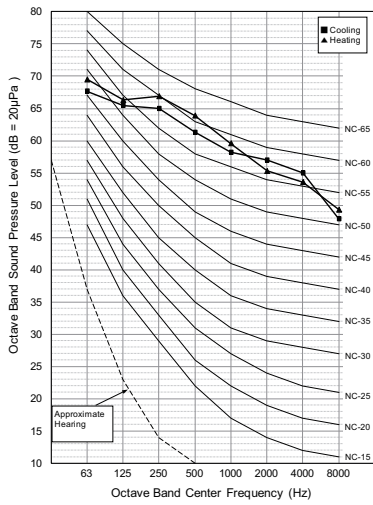


**ARUN200BTE5**

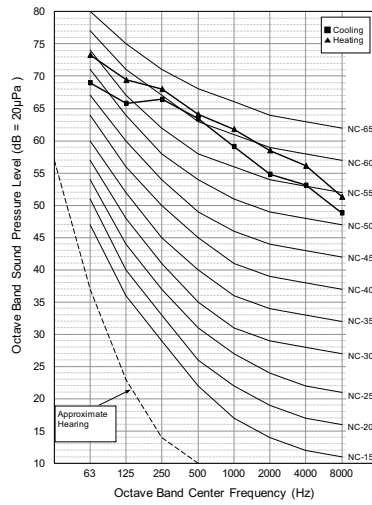


# 10. Sound Levels

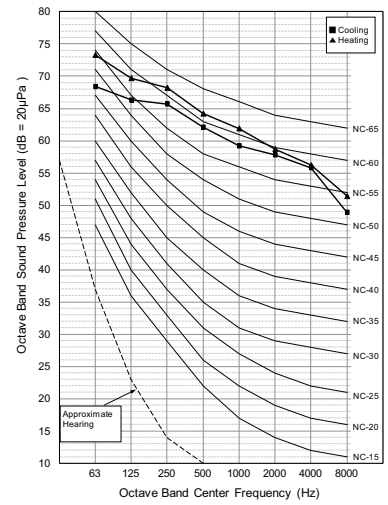
**ARUN220BTE5**



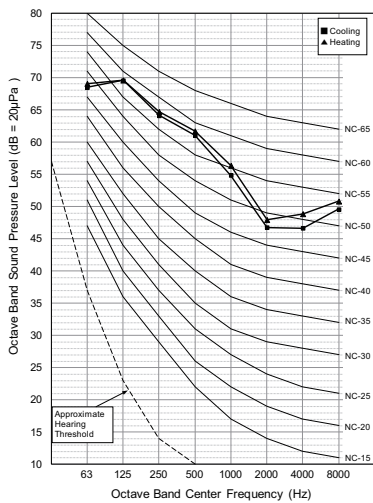
**ARUN240BTE5**



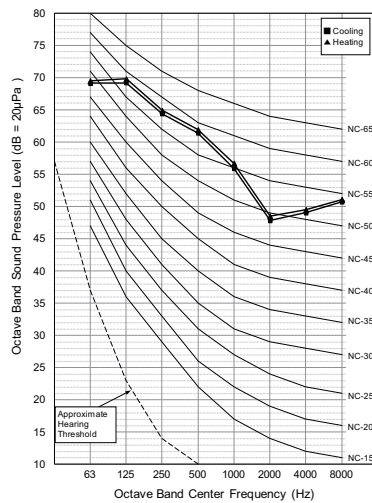
**ARUN260BTE5**



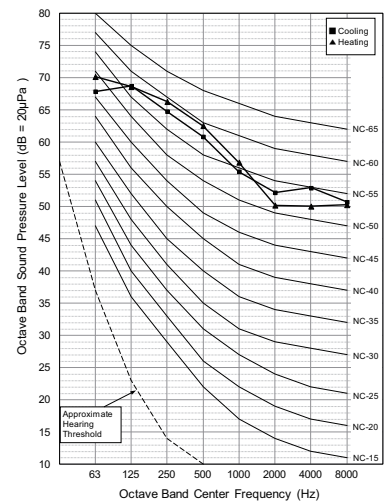
**ARUN221BTE5**



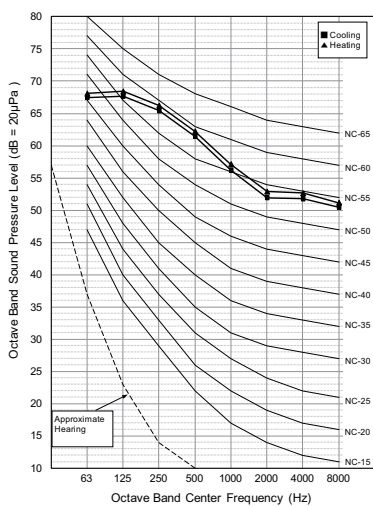
**ARUN241BTE5**



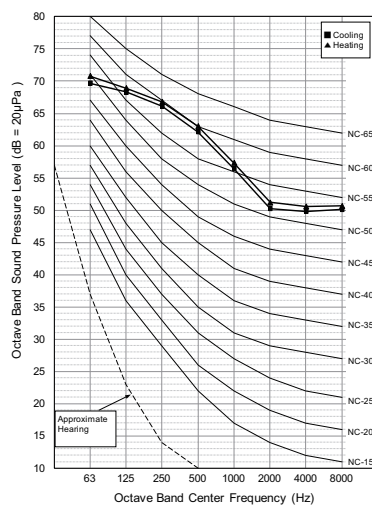
**ARUN261BTE5**



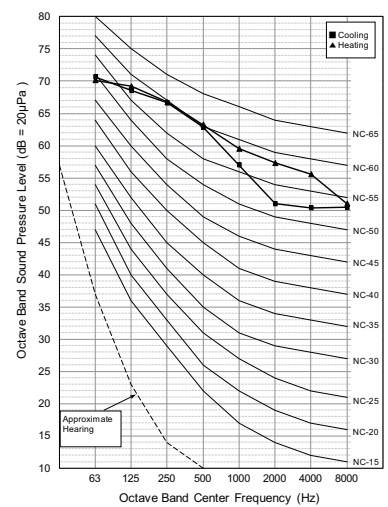
**ARUN280BTE5**



**ARUN300BTE5**

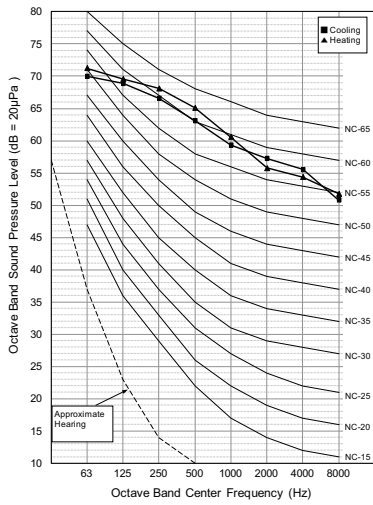


**ARUN320BTE5**

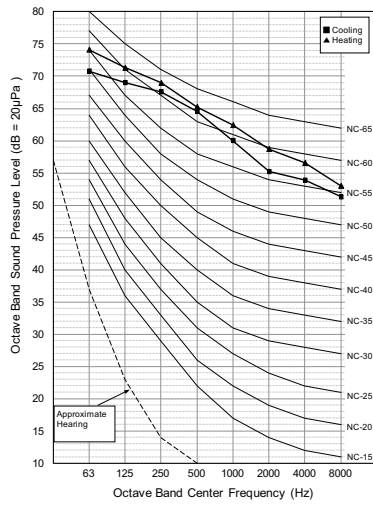


# 10. Sound Levels

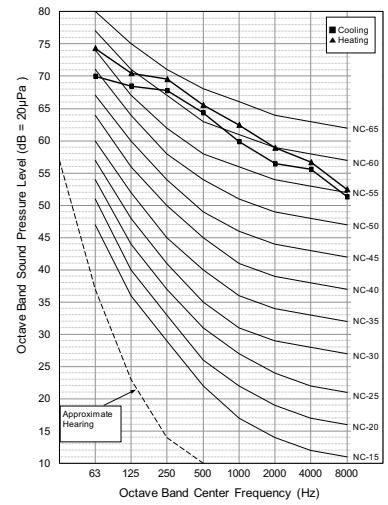
### ARUN340BTE5



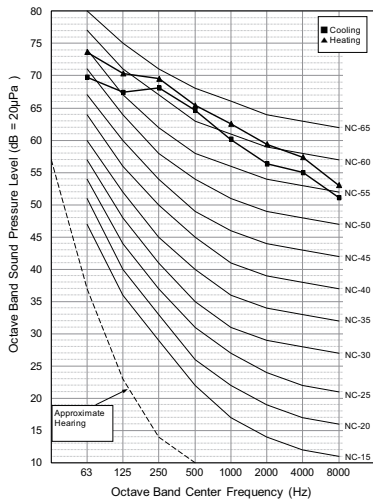
### ARUN360BTE5



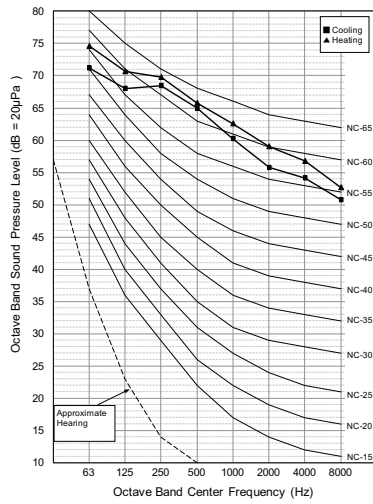
### ARUN380BTE5



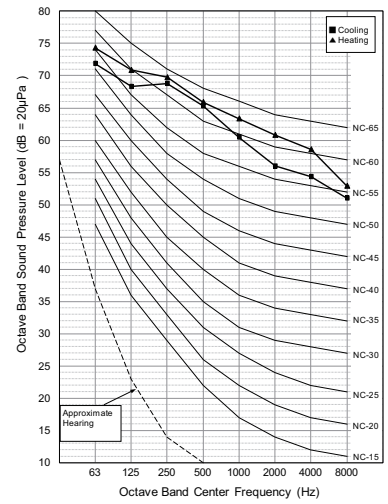
### ARUN400BTE5



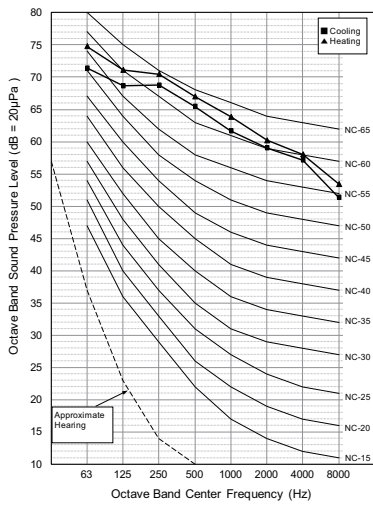
### ARUN420BTE5



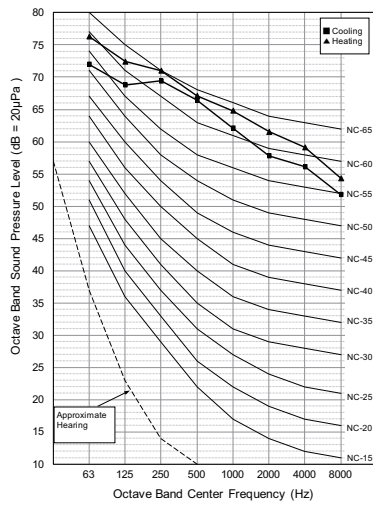
### ARUN440BTE5



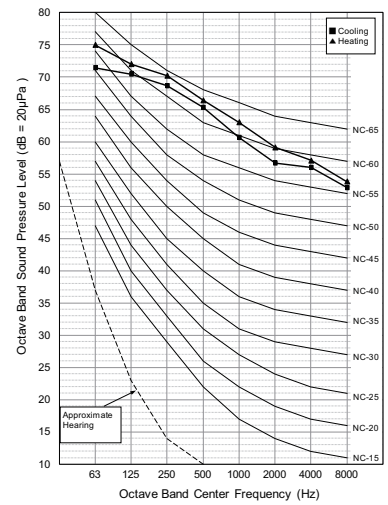
### ARUN460BTE5



### ARUN480BTE5



### ARUN500BTE5



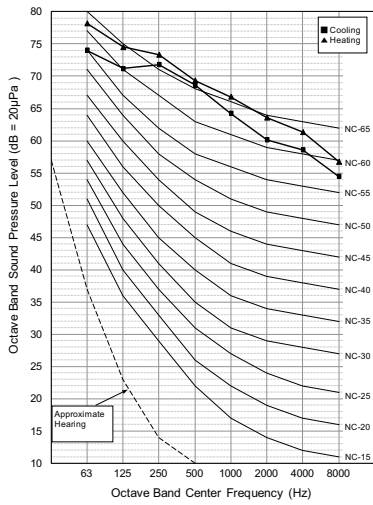




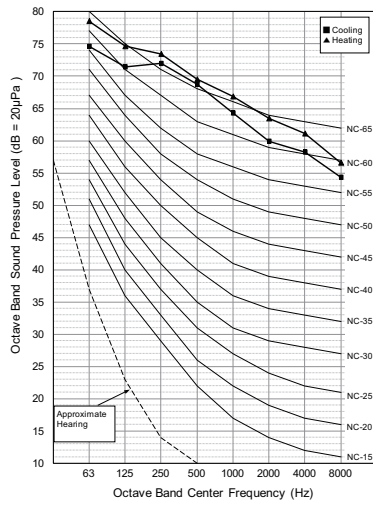


# 10. Sound Levels

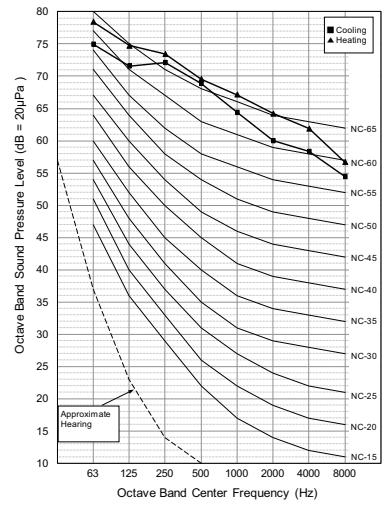
**ARUN880BTE5**



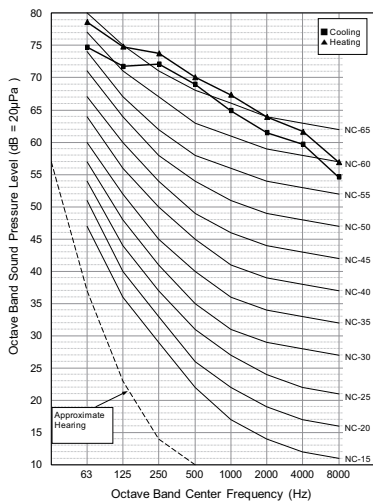
**ARUN900BTE5**



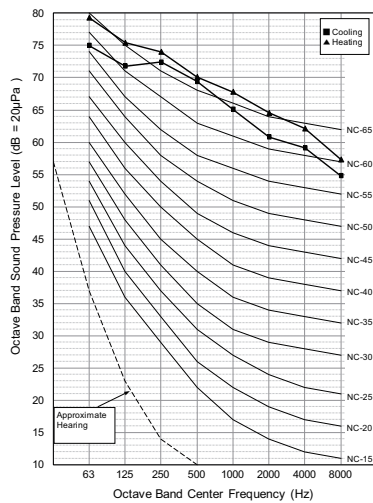
**ARUN920BTE5**



**ARUN940BTE5**



**ARUN960BTE5**





## 10. Sound Levels

### 10.2 Sound Power Levels

#### Note

- Data is valid at diffuse field condition
- Data is valid at nominal operating condition
- Sound level can be increased in static pressure mode or used air guide.
- Sound power level is measured on the rated condition in the reverberation rooms.
- Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment in installed.
- Reference acoustic intensity 0dB =  $10E-6\mu W/m^2$

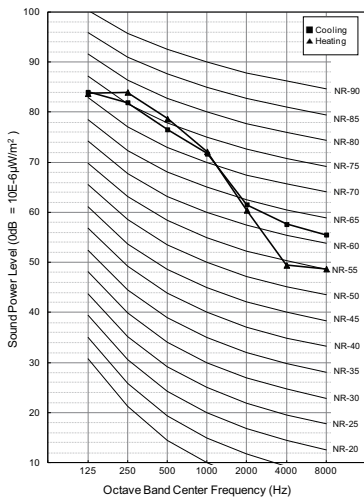
Unit:dB(A)

Model	Cooling	Heating
ARUN100BTE5	78.0	79.0
ARUN120BTE5	79.0	80.0
ARUN140BTE5	82.0	84.0
ARUN160BTE5	83.0	85.0
ARUN180BTE5	85.0	86.0
ARUN200BTE5	86.0	87.0
ARUN220BTE5	86.0	88.0
ARUN240BTE5	88.0	90.0
ARUN260BTE5	88.0	90.0
ARUN221BTE5	81.5	82.5
ARUN241BTE5	82.0	83.0
ARUN261BTE5	83.8	85.5
ARUN280BTE5	84.5	86.2
ARUN300BTE5	86.0	87.0
ARUN320BTE5	86.8	87.8
ARUN340BTE5	86.8	88.6
ARUN360BTE5	88.5	90.4
ARUN380BTE5	89.0	91.0
ARUN400BTE5	89.2	91.2
ARUN420BTE5	89.8	91.5
ARUN440BTE5	90.1	91.8
ARUN460BTE5	90.1	92.1
ARUN480BTE5	91.0	93.0
ARUN500BTE5	89.4	91.3
ARUN520BTE5	89.6	91.5
ARUN540BTE5	90.1	91.8
ARUN560BTE5	90.4	92.0
ARUN580BTE5	90.4	92.4
ARUN600BTE5	91.3	93.2
ARUN620BTE5	91.5	93.5
ARUN640BTE5	91.6	93.6
ARUN660BTE5	92.0	93.8
ARUN680BTE5	92.2	94.0
ARUN700BTE5	92.2	94.2
ARUN720BTE5	92.8	94.8
ARUN740BTE5	91.8	93.7
ARUN760BTE5	91.9	93.8

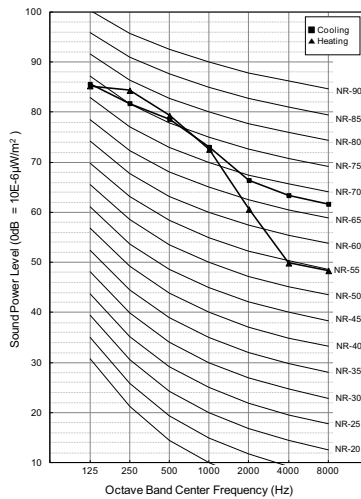
# 10. Sound Levels

Model	Cooling	Heating
ARUN780BTE5	92.2	94.0
ARUN800BTE5	92.4	94.2
ARUN820BTE5	92.4	94.4
ARUN840BTE5	92.9	94.9
ARUN860BTE5	93.1	95.1
ARUN880BTE5	93.2	95.2
ARUN900BTE5	93.4	95.3
ARUN920BTE5	93.6	95.4
ARUN940BTE5	93.6	95.6
ARUN960BTE5	94.0	96.0

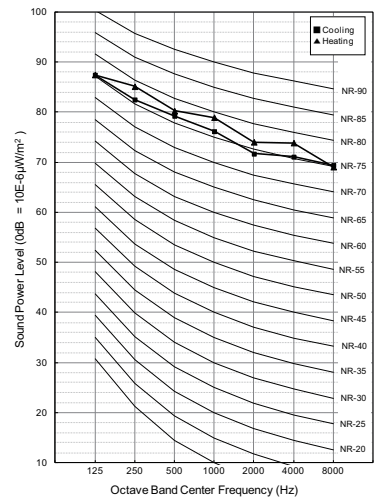
**ARUN100BTE5**



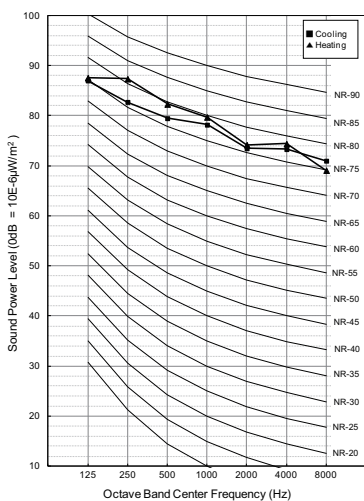
**ARUN120BTE5**



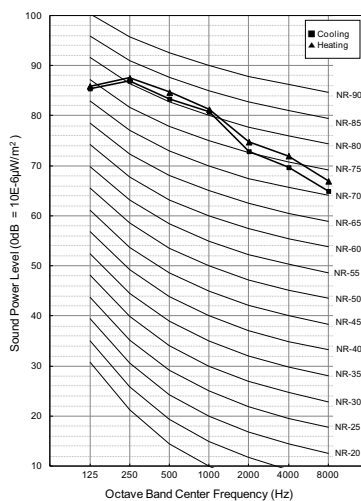
**ARUN140BTE5**



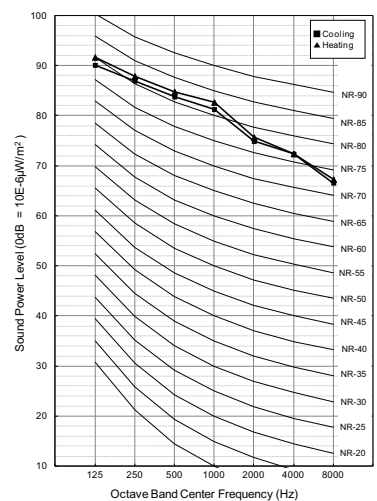
**ARUN160BTE5**



**ARUN180BTE5**

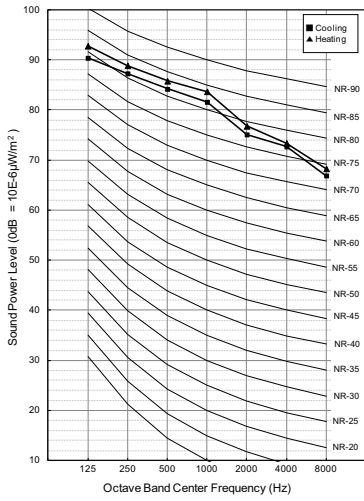


**ARUN200BTE5**

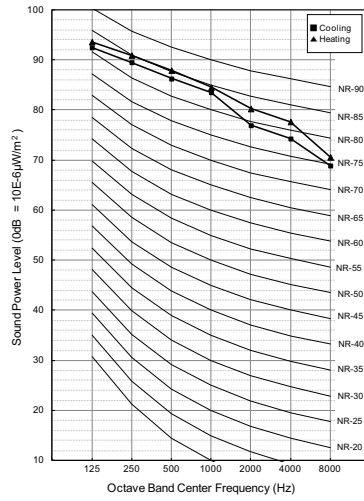


# 10. Sound Levels

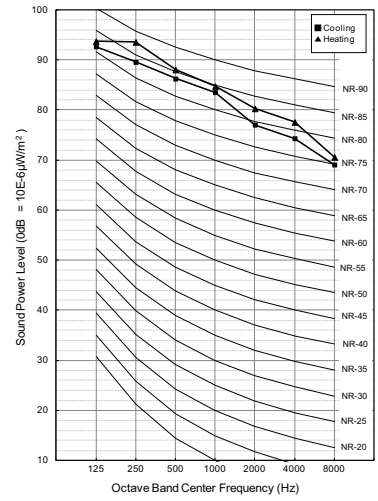
**ARUN220BTE5**



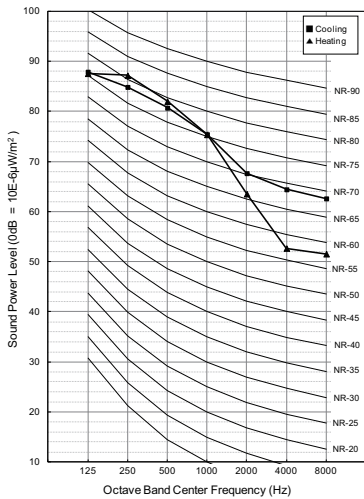
**ARUN240BTE5**



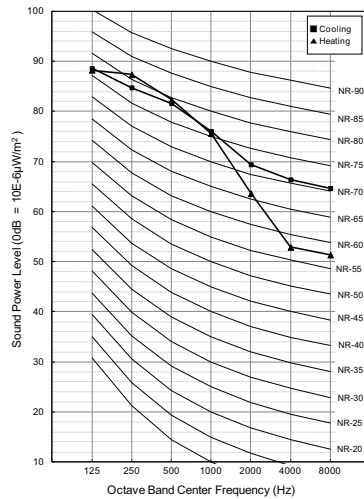
**ARUN260BTE5**



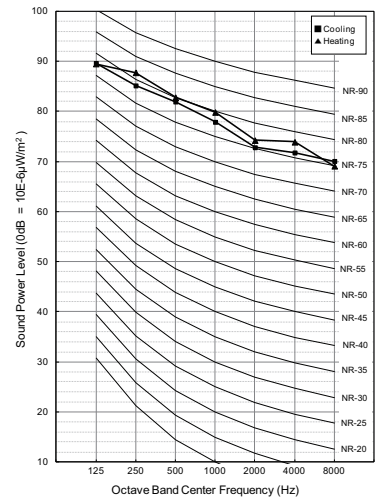
**ARUN221BTE5**



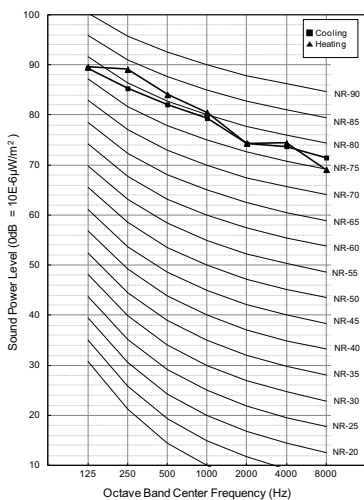
**ARUN241BTE5**



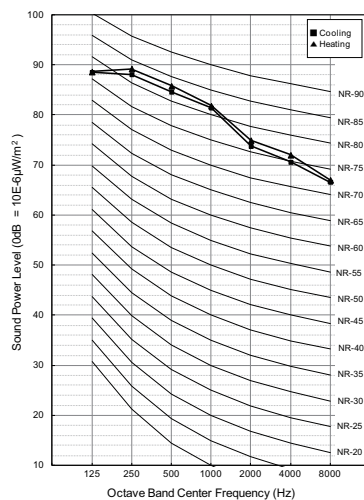
**ARUN261BTE5**



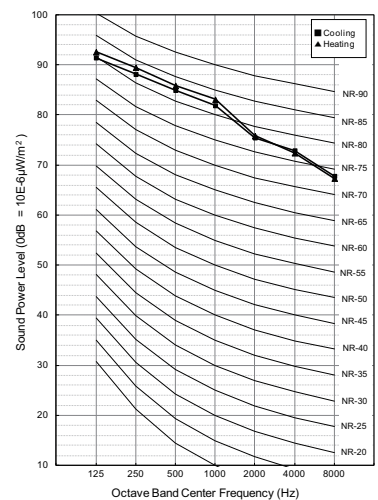
**ARUN280BTE5**



**ARUN300BTE5**

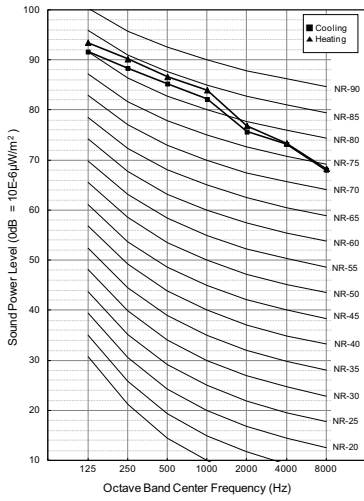


**ARUN320BTE5**

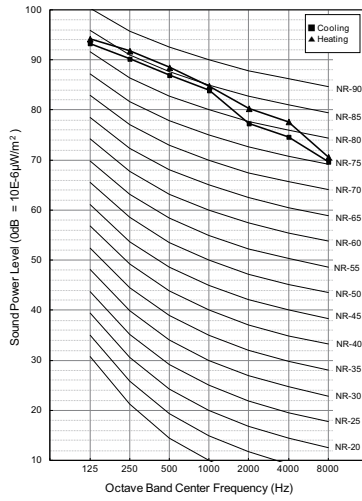


# 10. Sound Levels

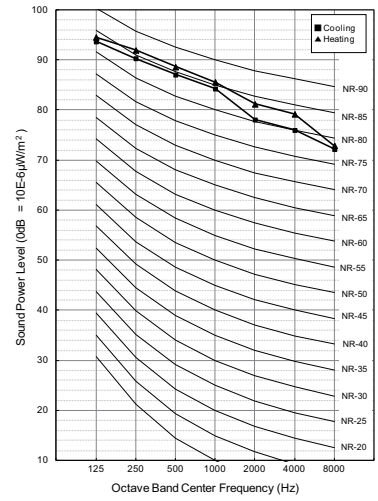
**ARUN340BTE5**



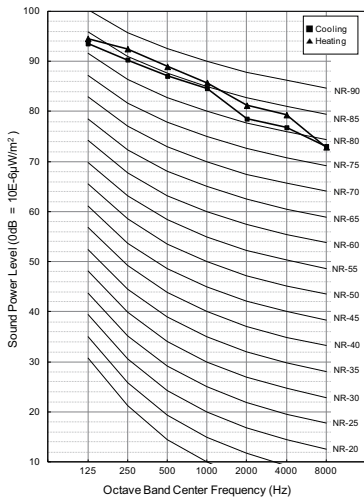
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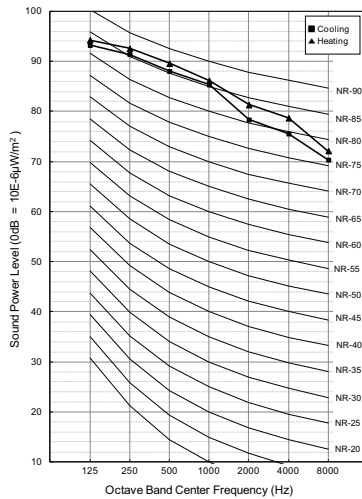
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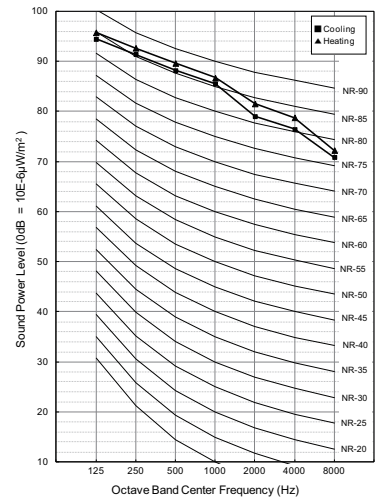
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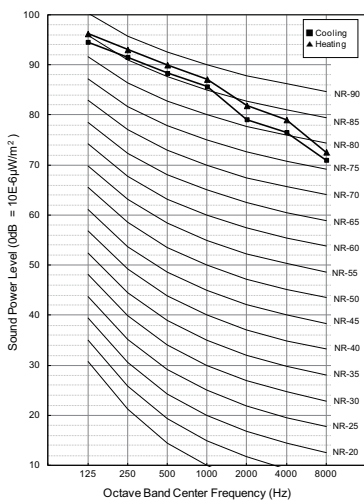
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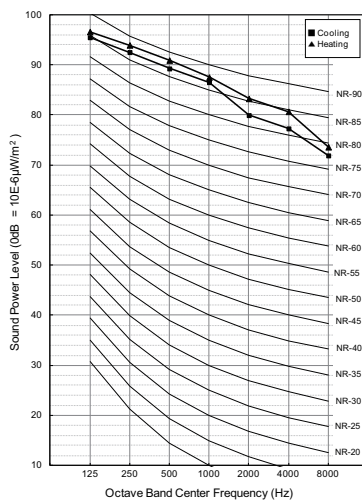
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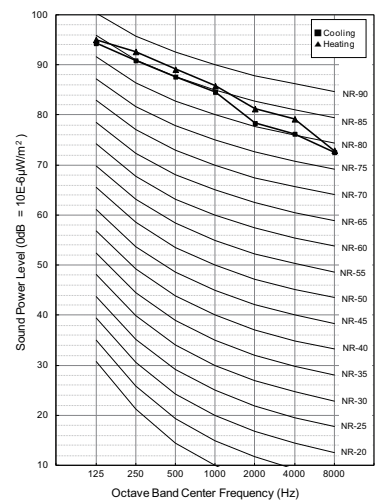
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**ARUN480BTE5**

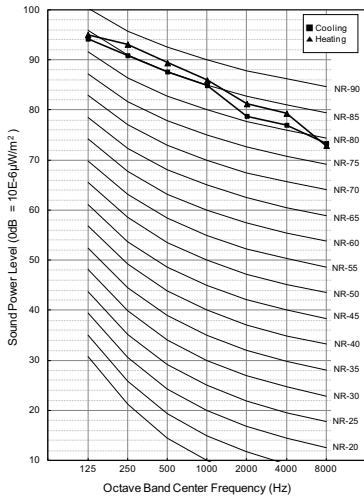


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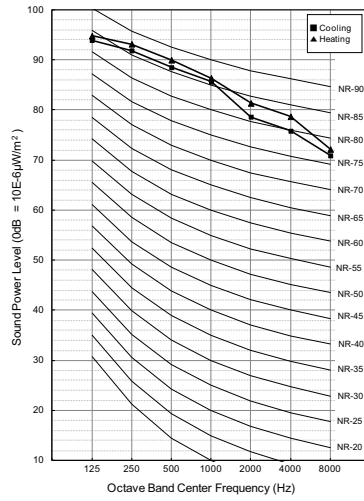


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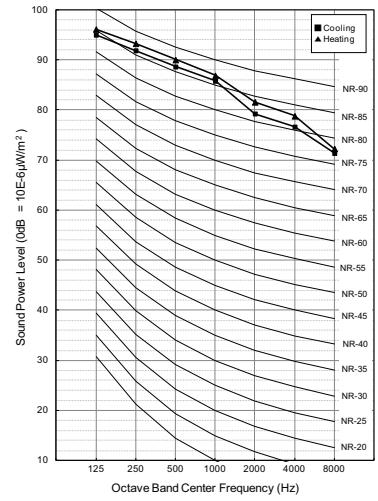
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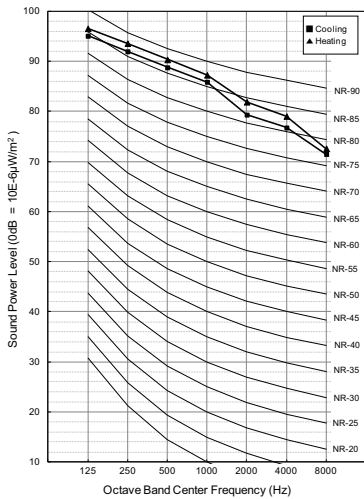
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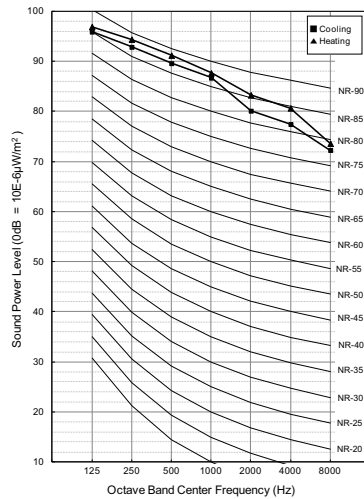
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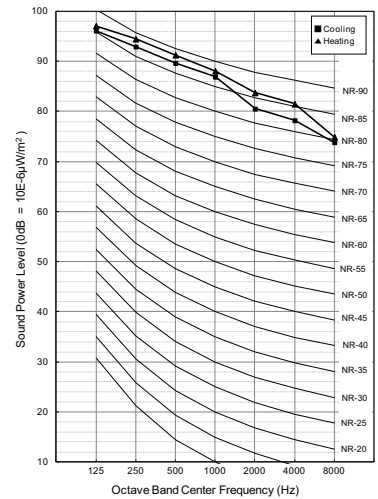
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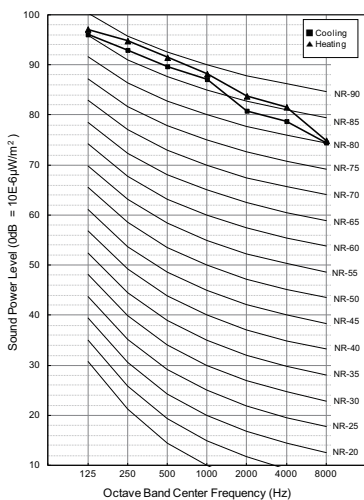
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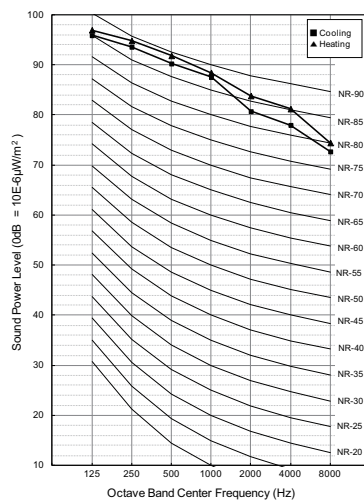
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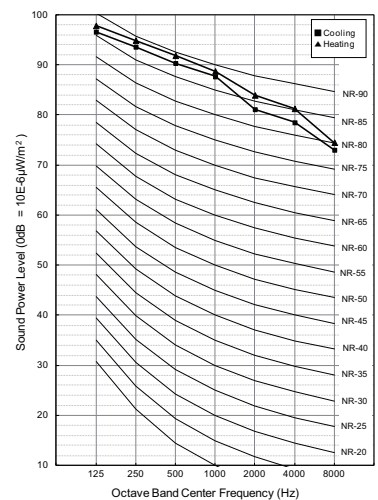
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**ARUN660BTE5**



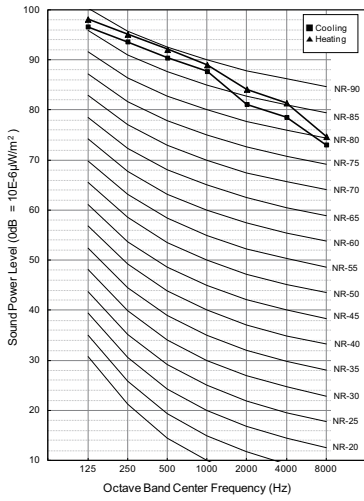
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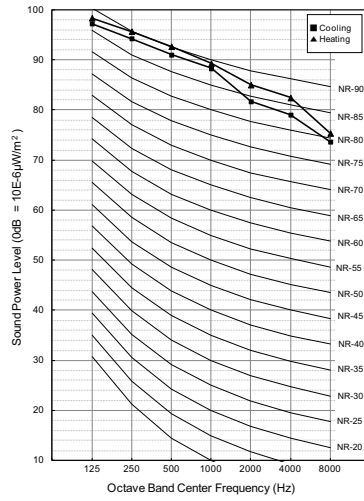


# 10. Sound Levels

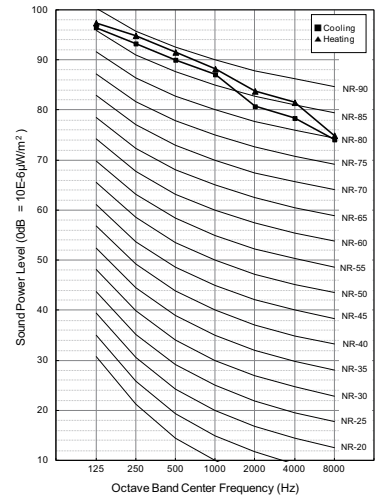
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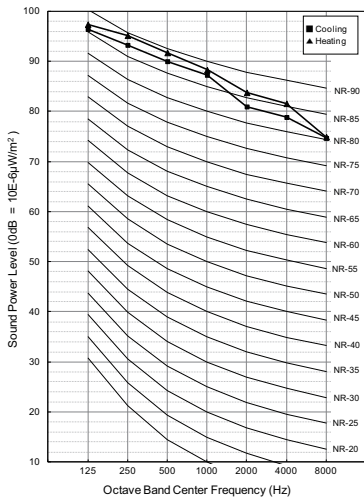
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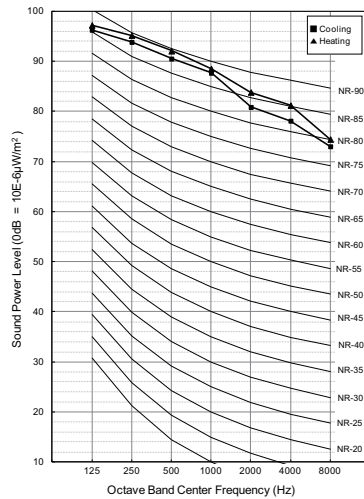
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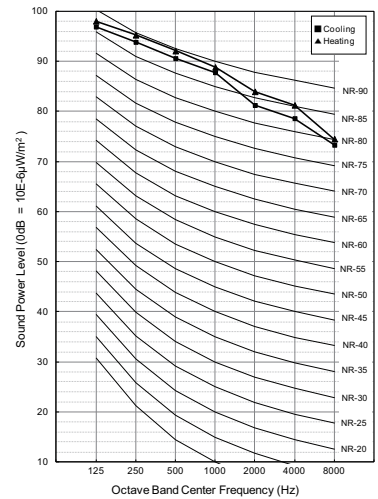
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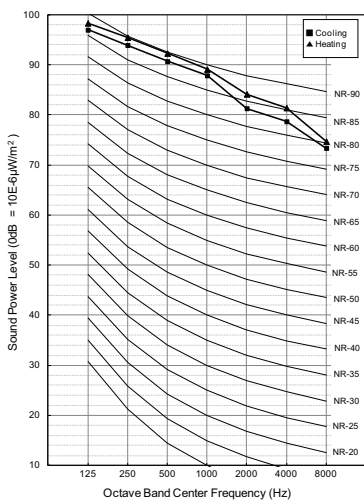
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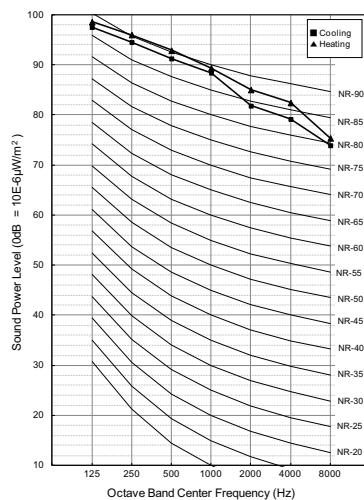
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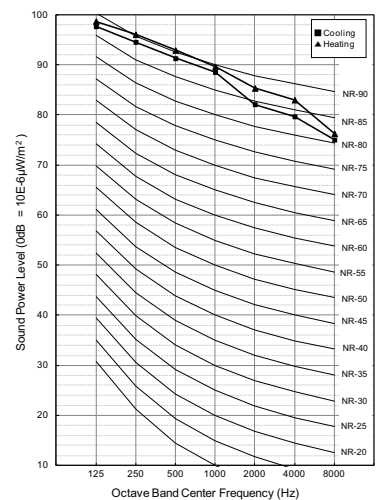
**ARUN820BTE5**



**ARUN840BTE5**



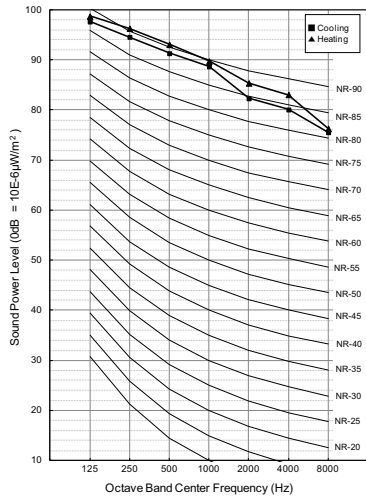
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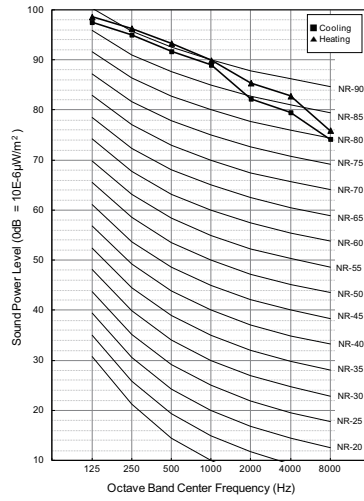


# 10. Sound Levels

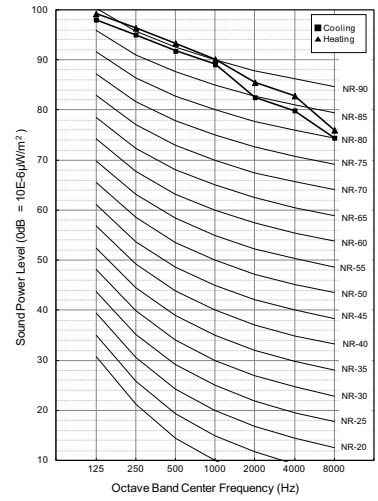
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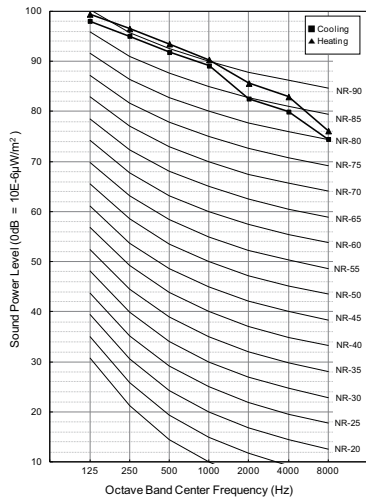
**ARUN900BTE5**



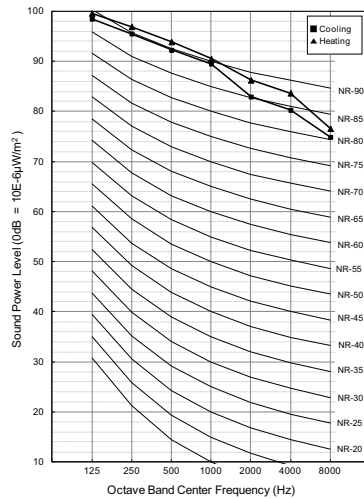
**ARUN920BTE5**



**ARUN940BTE5**



**ARUN960BTE5**



## 11. Accessories

### ■ Optional Accessories

No.	Name	Model
1	Y branch pipe	ARBLN01621
		ARBLN03321
		ARBLN07121
		ARBLN14521
		ARBLN23220
2	Header	ARBL054
		ARBL057
		ARBL104
		ARBL107
		ARBL1010
		ARBL2010
3	Connection pipe of Outdoor Units	ARCNN21
		ARCNN31
		ARCNN41

# **MULTI V™ 5**

## **Installation of Outdoor Units**

- 1. Alternative Refrigerant R410A**
- 2. Select the Best Location**
- 3. Installation Space**
- 4. Lifting Method**
- 5. Installation**
- 6. Refrigerant piping Installation**
- 7. Refrigerant piping system**
- 8. Electrical Wiring**
- 9. Setting Function**

## 1. Alternative Refrigerant R410A

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- The refrigerant R410A has the property of higher operating pressure in comparison with R22. Therefore, all materials have the characteristics of higher resisting pressure than R22 ones and this characteristic should also be considered during the installation.  
R410A is an azeotrope of R32 and R125 mixed at 50:50, so the ozone depletion potential (ODP) of R410A is 0.
- 

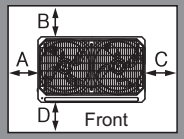
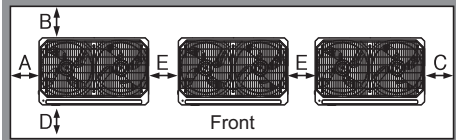
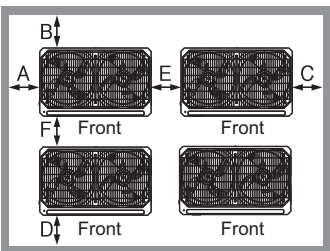
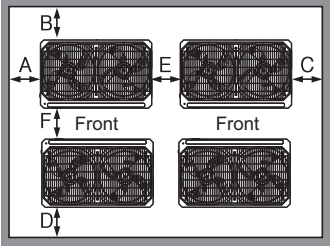
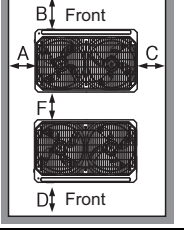
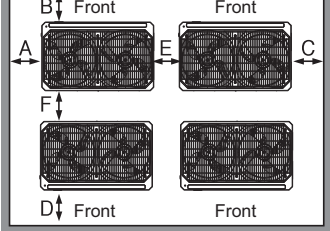
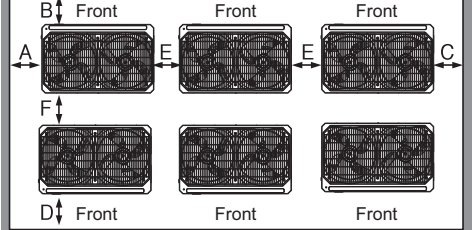
### CAUTION

- The wall thickness of the piping should comply with the relevant local and national regulations for the designed pressure 3.8MPa
  - Since R410A is a mixed refrigerant, the required additional refrigerant must be charged in its liquid state. If the refrigerant is charged in its gaseous state, its composition changes and the system will not work properly.
  - Do not place the refrigerant container under the direct rays of the sun to prevent it from exploding.
  - For high-pressure refrigerant, any unapproved pipe must not be used.
  - Do not heat pipes more than necessary to prevent them from softening.
  - Be careful not to install wrongly to minimize economic loss because it is expensive in comparison with R22.
-

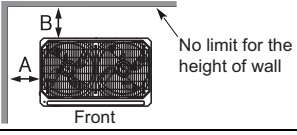
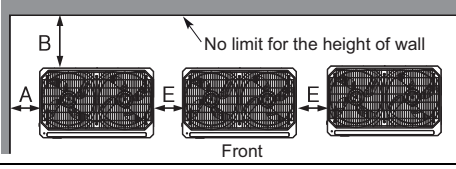
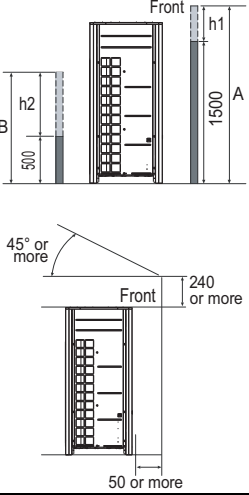
### 3. Installation Space

#### 3.1 Individual Installation

During the installation of the unit, consider service, inlet, and outlet and acquire the minimum space as shown in the figures below. Side space should be more than 49 mm for operating of Auto Dust Removal mode.

Category	Installation Space	Case 1 (10mm ≤ Side Space ≤ 49mm)	Case 2 (Side Space ≥ 49mm)
4 sides are walls		A ≥ 10 B ≥ 300 C ≥ 10 D ≥ 500	A ≥ 50 B ≥ 100 C ≥ 50 D ≥ 500
		A ≥ 10 B ≥ 300 C ≥ 10 D ≥ 500 E ≥ 20	A ≥ 50 B ≥ 100 C ≥ 50 D ≥ 500 E ≥ 100
		A ≥ 10 B ≥ 300 C ≥ 10 D ≥ 500 E ≥ 20 F ≥ 600	A ≥ 50 B ≥ 100 C ≥ 50 D ≥ 500 E ≥ 100 F ≥ 500
		A ≥ 10 B ≥ 300 C ≥ 10 D ≥ 300 E ≥ 20 F ≥ 500	A ≥ 50 B ≥ 100 C ≥ 50 D ≥ 100 E ≥ 100 F ≥ 500
Rear to Rear		A ≥ 10 B ≥ 500 C ≥ 10 D ≥ 500 F ≥ 900	A ≥ 50 B ≥ 500 C ≥ 50 D ≥ 500 F ≥ 600
		A ≥ 10 B ≥ 500 C ≥ 10 D ≥ 500 E ≥ 20 F ≥ 1200	A ≥ 50 B ≥ 500 C ≥ 50 D ≥ 500 E ≥ 100 F ≥ 900
		A ≥ 10 B ≥ 500 C ≥ 10 D ≥ 500 E ≥ 20 F ≥ 1800	A ≥ 50 B ≥ 500 C ≥ 50 D ≥ 500 E ≥ 100 F ≥ 1200

### 3. Installation Space

Category	Installation Space	Case 1 (10mm ≤ Side Space ≤ 49mm)	Case 2 (Side Space ≥ 49mm)
Only 2 sides are walls	 <p>No limit for the height of wall</p>	$A \geq 10(13/32)$ $B \geq 300(11-13/16)$	-
	 <p>No limit for the height of wall</p>	$A \geq 10(13/32)$ $B \geq 300(11-13/16)$ $E \geq 20(25/32)$	-
Limitations on the height of the wall (Refer to 4 side walls)		<ul style="list-style-type: none"> <li>The height of the wall on the front side must be 1500mm(59-1/16inch) or less.</li> <li>The height of the wall on the inlet side must be 500mm(19-11/16inch) or less.</li> <li>There is no limit to the wall on the side.</li> <li>If the height of the walls on the front and the side are higher than the limit, there must be additional space on the front and the side. <ul style="list-style-type: none"> <li>Additional Space on the inlet side by 1/2 of h1.</li> <li>Additional Space on the front side by 1/2 of h2</li> <li><math>h1 = A(\text{Actual height}) - 1500(59-1/16)</math></li> <li><math>h2 = B(\text{Actual height}) - 500(19-11/16)</math></li> </ul> </li> </ul>	

#### ■ Seasonal wind and cautions in winter

- Sufficient measures are required in a snow area or severe cold area in winter so that product can be operated well.
- Get ready for seasonal wind or snow in winter even in other areas.
- Install a suction and discharge duct not to let in snow or rain.
- Install the outdoor unit in such a way that it should not come in contact with snow directly. If snow piles up and freezes on the air suction hole, the system may malfunction. If it is installed at snowy area, attach the hood to the system.
- The raised support platform must be high enough to allow the unit to remain above possible snow drifts, and must be higher than the maximum anticipated snowfall for the location.
- Where snow accumulated on the upper part of the Outdoor Unit by more than 10cm(3-15/16inch), always remove snow for operation.

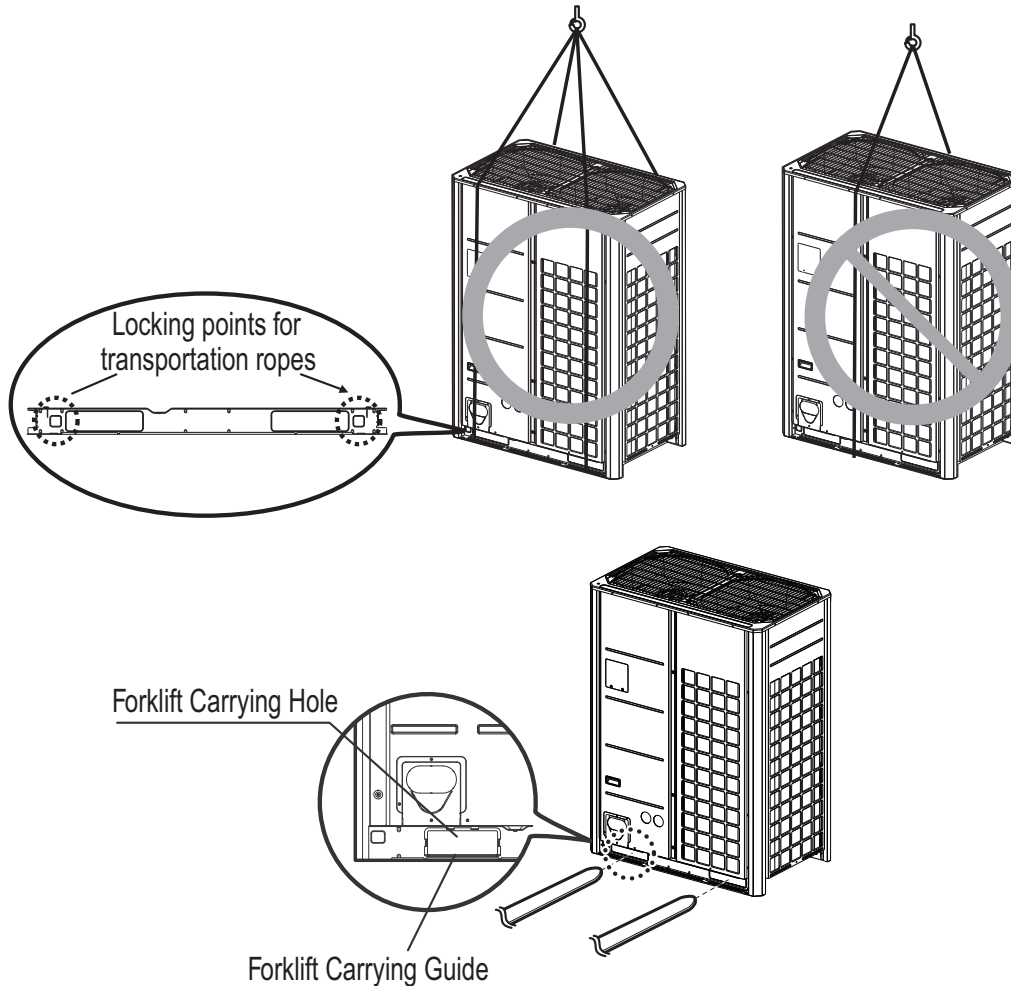
#### ⚠ CAUTION

- Don't install the suction hole and discharge hole of the Outdoor Unit facing the seasonal wind.



## 4. Lifting Method

- When carrying the suspended, unit pass the ropes under the unit and use the two suspension points each at the front and rear.
- Always lift the unit with ropes attached at four points so that impact is not applied to the unit.
- Attach the ropes to the unit at an angle of 40° or less.



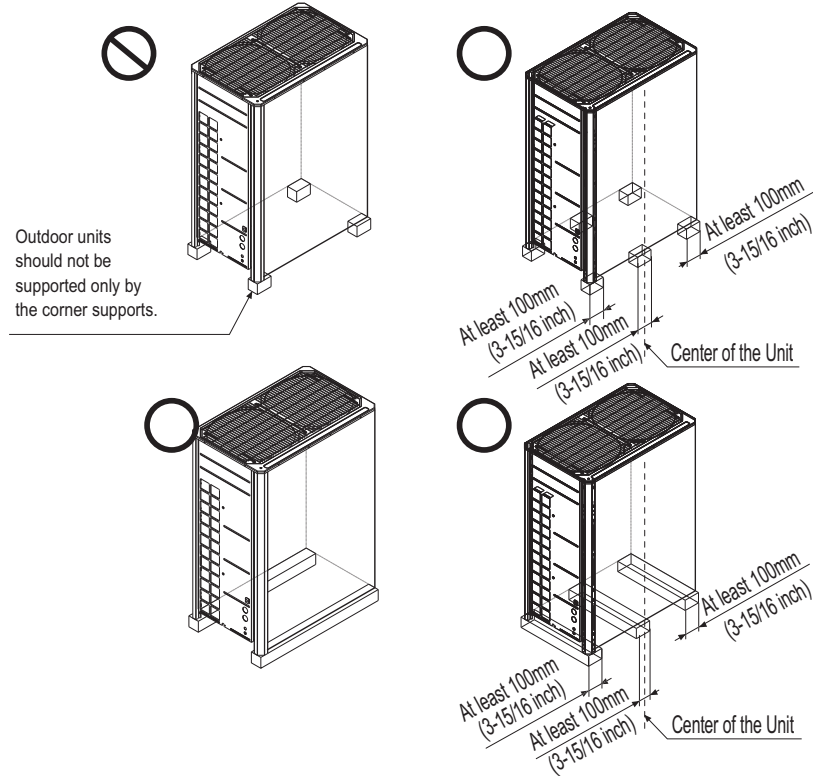
### **CAUTION**

**Be very careful while carrying the product.**

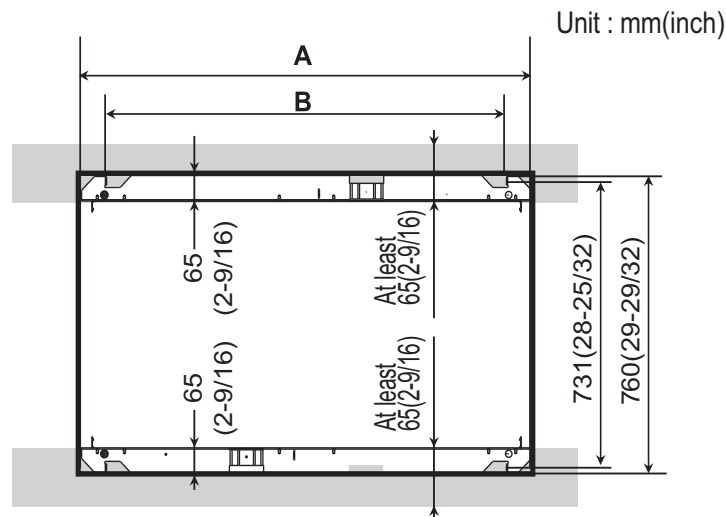
- Do not have only one person carry product if it is more than 20kg(441lbs).
- PP bands are used to pack some products. Do not use them as a mean for transportation because they are dangerous.
- Do not touch heat exchanger fins with your bare hands. Otherwise you may get a cut in your hands.
- Tear plastic packaging bag and scrap it so that children cannot play with it. Otherwise plastic packaging bag may suffocate children to death.
- When carrying in Outdoor Unit, be sure to support it at four points. Carrying in and lifting with 3-point support may make Outdoor Unit unstable, resulting in a fall.
- Use 2 belts of at least 8m(26.2ft) long.
- Place extra cloth or boards in the locations where the casing comes in contact with the sling to prevent damage.
- Hoist the unit making sure it is being lifted at its center of gravity.

## 5. Installation

- Install at places where it can endure the weight and vibration/noise of the outdoor unit.
- The outdoor unit support block at the bottom shall have width of at least 100mm(3-15/16inch) under the units legs before being fixed.
- The outdoor unit support block should have minimum height of 200mm(7-7/8inch).
- Anchor bolts must be inserted at least 75mm(2-15/16inch).



### 5.1 The location of the Anchor bolts

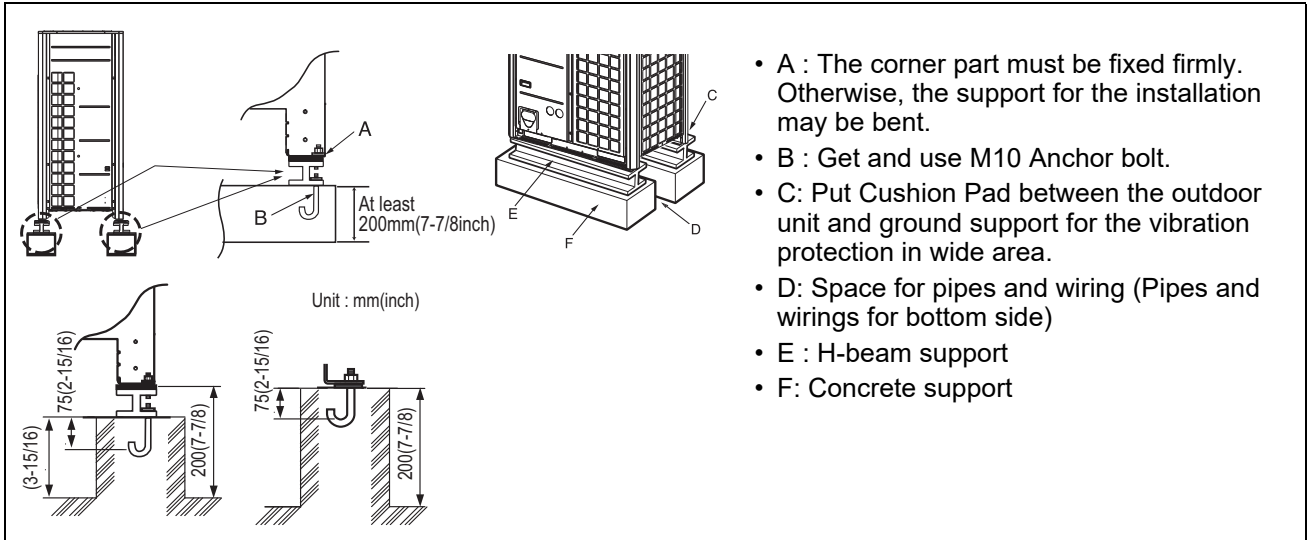


Chassis	A [mm(inch)]	B [mm(inch)]
UXA	930(36-5/8)	730(28-3/4)
UXB	1,240(48-13/16)	1,040(40-15/16)

## 5. Installation

### 5.2 Foundation for Installation

- Fix the unit tightly with bolts as shown below so that unit will not fall down due to earthquake or gust.
- Use the H-beam support as a base support
- Noise and vibration may occur from the floor or wall since vibration is transferred through the installation part depending on installation status. Thus, use anti-vibration materials (cushion pad) fully (The base pad shall be more than 200mm(7-7/8inch))

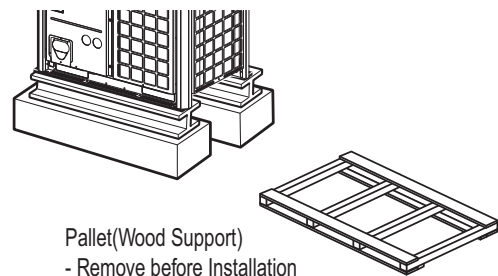


#### ⚠ WARNING

- Install where it can sufficiently support the weight of the outdoor unit.  
If the support strength is not enough, the outdoor unit may drop and hurt people.
- Install where the outdoor unit may not fall in strong wind or earthquake.  
If there is a fault in the supporting conditions, the outdoor unit may fall and hurt people.
- Please take extra cautions on the supporting strength of the ground, liquid outlet treatment(treatment of the liquid flowing out of the outdoor unit in operation), and the passages of the pipe and wiring, when making the ground support.
- Do not use tube or pipe for liquid outlet in the Base pan. Use drainage instead for liquid outlet. The tube or pipe may freeze and the liquid may not be drained.

#### ⚠ CAUTION

- Be sure to remove the MDF(wood support) of the bottom side of the outdoor unit Base Pan before fixing the bolt. It may cause the unstable state of the outdoor settlement, and may cause freezing of the heat exchanger resulting in abnormal operations.
- Be sure to remove the MDF(wood support) of the bottom side of the outdoor unit before welding. Not removing MDF causes hazard of fire during welding.

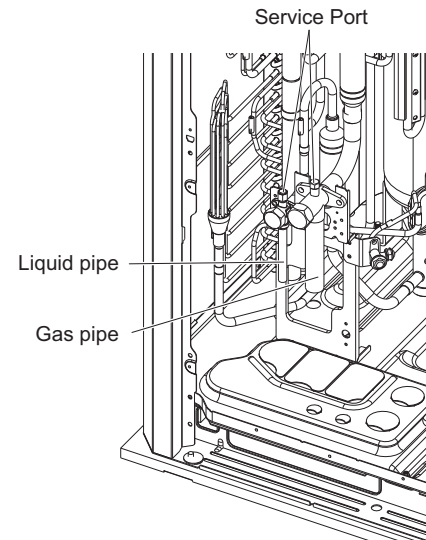


## 6. Refrigerant piping Installation

### 6.1 Precautions on Pipe connection / Valve operation

Pipe connection is done by connecting from the end of the pipe to the branching pipes, and the refrigerant pipe coming out of the outdoor unit is divided at the end to connect to each indoor unit. Flare connection for the indoor unit, and welding connection for the outdoor pipe and the branching parts.

- Use hexagonal wrench to open/close the valve.



#### **! WARNING**

- Always careful not to leak the refrigerant during welding.
- The refrigerant generates poisonous gas harmful to human body if combusted.
- Do not perform welding in a closed space.
- Be sure to close the cap of the service port to prevent gas leakage after the work.

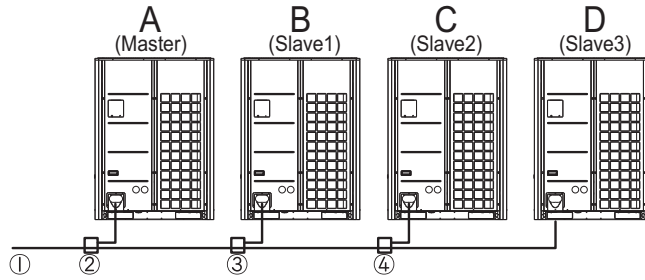
#### **! CAUTION**

Please block the pipe knock outs of the front and side panels after installing the pipes.  
(Animals or foreign objects may be brought in to damage the cables.)

# 6. Refrigerant piping Installation

## 6.2 Connection of Outdoor units

When installing outdoor unit series, refer below picture.



A ≥ B ≥ C ≥ D

- ① Indoor unit side connection pipe
- ② Outdoor unit to outdoor unit connection pipe (1st branch)
- ③ Outdoor unit to outdoor unit connection pipe (2st branch)
- ④ Outdoor unit to outdoor unit connection pipe (3rd branch)

### ■ Heat Pump System

Outdoor unit	Model	Liquid pipe [unit:mm]	Gas pipe [unit:mm]
	③ ARCNN21		
	① ARCNN31		
	① ARCNN41		

\* For more information including installation method of connection pipe, refer accessory installation manual.

\* The above System is representative Multi V 5 System. Actual combination of outdoor unit may be different by product line-up of region.

## 7. Refrigerant piping system

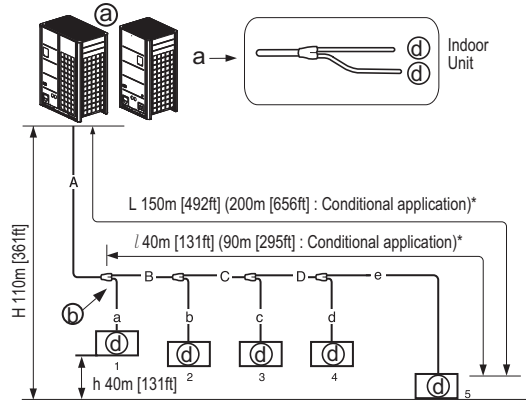
### 7.1 Pipe Connection Method between outdoor unit / indoor unit

#### 7.1.1 Heat Pump System

##### ■ Single Outdoor Unit Connection

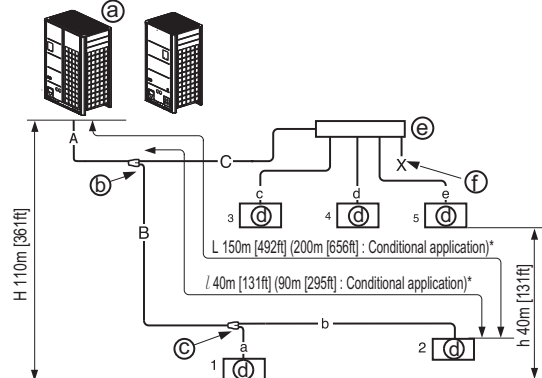
##### Y branch method

- Ⓐ Outdoor Unit
- Ⓑ 1st branch (Y branch)
- Ⓓ Indoor Units



##### Combination of Y branch / header method

- Ⓐ Outdoor Unit
- Ⓑ 1st branch (Y branch)
- Ⓒ Y branch
- Ⓓ Indoor Units
- Ⓔ Header
- Ⓕ Sealed piping



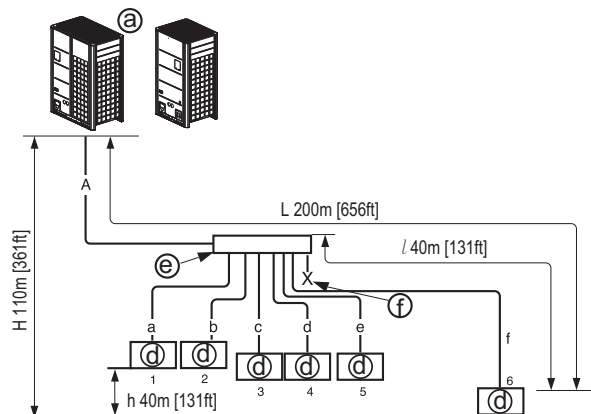
##### Header method

- Ⓐ Outdoor Unit
- Ⓓ Indoor Units
- Ⓔ Header
- Ⓕ Sealed piping

##### ⚠ WARNING

##### Pipe length after header branching

- It is recommended that difference in length of the pipes connected to the indoor units (a~f) is minimized.
- Performance difference between indoor units may occur.



##### ⚠ WARNING

- Branch pipe can not be used after header

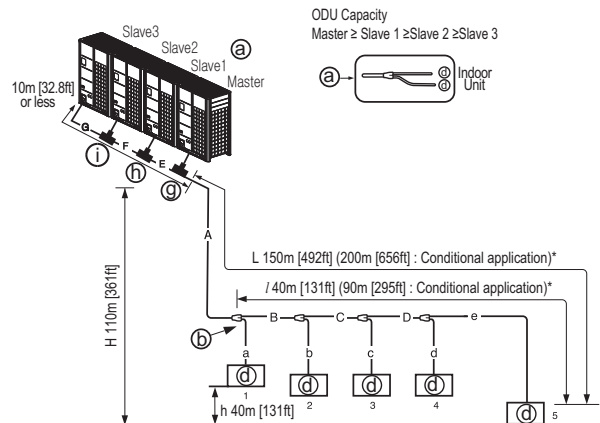


# 7. Refrigerant piping system

## Series Outdoor Unit Connection

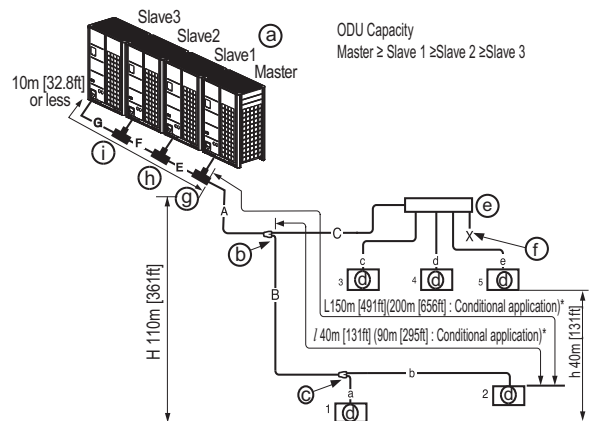
### Y branch method

- Ⓐ Outdoor Unit
- Ⓑ 1st branch (Y branch)
- Ⓓ Indoor Units
- Ⓔ Connection branch pipe between outdoor units (ARCNN41)
- Ⓕ Connection branch pipe between outdoor units (ARCNN31)
- Ⓖ Connection branch pipe between outdoor units (ARCNN21)



### Combination of Y branch / header Method

- Ⓐ Outdoor Unit
- Ⓑ 1st branch (Y branch)
- Ⓒ Y branch
- Ⓓ Indoor Units
- Ⓔ Header
- Ⓕ Sealed piping
- Ⓖ Connection branch pipe between outdoor units (ARCNN41)
- Ⓕ Connection branch pipe between outdoor units (ARCNN31)
- Ⓖ Connection branch pipe between outdoor units (ARCNN21)



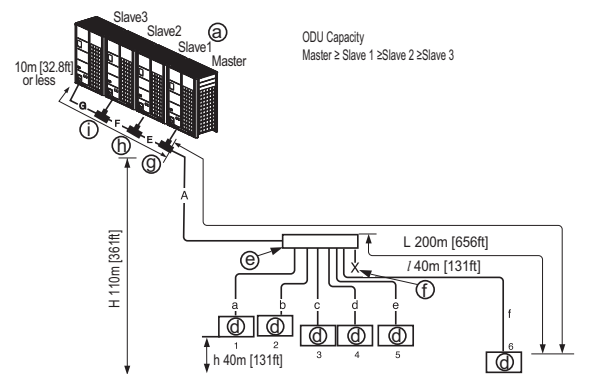
### Header Method

- Ⓐ Outdoor Unit
- Ⓓ Indoor Units
- Ⓔ Header
- Ⓕ Sealed piping
- Ⓖ Connection branch pipe between outdoor units (ARCNN41)
- Ⓕ Connection branch pipe between outdoor units (ARCNN31)
- Ⓖ Connection branch pipe between outdoor units (ARCNN21)

**⚠ WARNING**

**Pipe length after header branching**

- It is recommended that difference in length of the pipes connected to the indoor units (a~f) is minimized.
- Performance difference between indoor units may occur.



**⚠ WARNING**

- Branch pipe can not be used after header

➤ Maximum number of connectable units could be different in accordance with model line up of target region.

## 7. Refrigerant piping system

### ■ Limits of pipe length and difference in height

Connection method		Y branch only	Combination of Y branch/header	Header only
Max. pipe length	Longest pipe length (L) : between Outdoor Unit and Indoor Unit	$A+B+C+D+e \leq 150\text{m}$ [492ft] (200m [656ft]**)	$A+B+b \leq 150\text{m}$ [492ft] ) (200m [656ft]**) $A+C+e \leq 150\text{m}$ [492ft] (200m [656ft]**)	$A+f \leq 200\text{m}$ [656ft]
	Longest pipe equivalent length* (L) : between Outdoor Unit and Indoor Unit	175m [574ft] (225m [738ft]**)	175m [574ft] (225m [738ft]**)	225m [738ft]
	Longest pipe length after 1st branch (l)	40m [131ft] (90m [295ft]**)	40m [131ft] (90m [295ft]**)	40m [131ft]
	Total pipe length	1,000m [3,281ft]	1,000m [3,281ft]	1,000m [3,281ft]
Max. difference in height	Difference in height (H) : between Outdoor Unit and Indoor Unit	110m [361ft]	110m [361ft]	110m [361ft]
	Difference in height (h) : between Indoor Unit and Indoor Unit	40m [131ft]	40m [131ft]	40m [131ft]

#### Note

- \* : Assume equivalent piping length of Y branch to be 0.5m (1.64ft), that of header to be 1m (3.28ft), calculation purpose.
- \*\* : To apply Conditional Application

### WARNING

When the any one (or both ) of below conditions are satisfied, the diameter of main pipe (A) must be increased according to below table.

- The equivalent length between outdoor unit and the farthest indoor unit is 90m (295ft) or more (Liquid and Gas pipes are increased)
- The level difference (Outdoor unit ↔ Indoor unit) is 50m (164ft) or more (Only liquid pipe is increased)

### ■ Refrigerant pipe diameter from outdoor unit to first branch. (A)

Upward Outdoor unit total capacity	Standard Pipe Diameter		Increased Pipe Diameter			
			When equivalent pipe length is 90m or more from ODU to farthest IDU		When level difference is 50m or more	
HP	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]
8	Ø 9.52(3/8)	Ø 19.05(3/4)	Ø 12.7(1/2)	Ø 22.2(7/8)	Ø 12.7(1/2)	not increased
10	Ø 9.52(3/8)	Ø 22.2(7/8)	Ø 12.7(1/2)	Ø 25.4(1)*	Ø 12.7(1/2)	not increased
12 ~ 14	Ø 12.7(1/2)	Ø 28.58(1-1/8)	Ø 15.88(5/8)	not increased	Ø 15.88(5/8)	not increased
16	Ø 12.7(1/2)	Ø 28.58(1-1/8)	Ø 15.88(5/8)	Ø 31.8(1-1/4)*	Ø 15.88(5/8)	not increased
18 ~ 22	Ø 15.88(5/8)	Ø 28.58(1-1/8)	Ø 19.05(3/4)	Ø 31.8(1-1/4)*	Ø 19.05(3/4)	not increased
24	Ø 15.88(5/8)	Ø 34.9(1-3/8)	Ø 19.05(3/4)	not increased	Ø 19.05(3/4)	not increased
26 ~ 34	Ø 19.05(3/4)	Ø 34.9(1-3/8)	Ø 22.2(7/8)	Ø 38.1(1-1/2)*	Ø 22.2(7/8)	not increased
36 ~ 60	Ø 19.05(3/4)	Ø 41.3(1-5/8)	Ø 22.2(7/8)	not increased	Ø 22.2(7/8)	not increased
62 ~ 64	Ø 22.2(7/8)	Ø 41.3(1-5/8)	Ø 25.4(1)*	Ø 53.98(2-1/8)	Ø 25.4(1)*	not increased
66 ~ 96	Ø 22.2(7/8)	Ø 53.98(2-1/8)	Ø 25.4(1)*	not increased	Ø 25.4(1)*	not increased

#### Note

- \* : If available on site, select pipe size from the pipe diameter table according to capacity. Otherwise it doesn't need to be increased.
- Model line up could be different in accordance with target region.

## 7. Refrigerant piping system

### ■ Refrigerant pipe diameter from branch to branch (B,C,D)

Downward Indoor Unit total capacity [kW(Btu/h)]	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]
≤ 5.6(19,100)	Ø6.35(1/4)	Ø12.7(1/2)
< 16.0(54,600)	Ø9.52(3/8)	Ø15.88(5/8)
< 22.4(76,400)	Ø9.52(3/8)	Ø19.05(3/4)
< 33.6(114,700)	Ø9.52(3/8)	Ø22.2(7/8)
< 50.4(172,000)	Ø12.7(1/2)	Ø28.58(1-1/8)
< 67.2(229,300)	Ø15.88(5/8)	Ø28.58(1-1/8)
< 72.8(248,400)	Ø15.88(5/8)	Ø34.9(1-3/8)
< 100.8(344,000)	Ø19.05(3/4)	Ø34.9(1-3/8)
< 173.6(592,500)	Ø19.05(3/4)	Ø41.3(1-5/8)
< 184.8(630,700)	Ø22.2(7/8)	Ø41.3(1-5/8)
≤ 291.2(993,600)	Ø22.2(7/8)	Ø53.98(2-1/8)

### ■ Conditional Application (only for Y Branch method)

If the below conditions are satisfied, limit of longest pipe length after 1st branch(  $l$  ) could be extended by 40 m → 90 m.

#### 1. Pipe diameter Size Up

Pipe diameter(Liquid/Gas pipes) between 1st branch ↔ last branch(B,C,D) is increased by on step.

If the pipe diameter of B,C,D is same as A, it is not necessary.

: Ø 6.35 → Ø 9.52 → Ø 12.7 → Ø 15.88 → Ø 19.05 → Ø 22.2 → ...

If available on site, select pipe size from the pipe diameter table according to capacity.

Otherwise it doesn't need to be increased.

#### 2. Correction for calculating the total pipe length

When calculating total pipe length, pipe B,C,D length should be calculated twice.

:  $A+Bx2+Cx2+Dx2+a+b+c+d+e \leq 1,000$  m

#### 3. Indoor unit pipe length

Length of pipe from each indoor unit to the closest branch (a, b, c, d, e) ≤ 40 m.

#### 4. Difference in length between outdoor unit and the farthest or closest indoor unit

[Length of pipe from outdoor unit to the farthest indoor unit 5 (A + B + C + D + e)]

- [Length of pipe from outdoor unit to the closest indoor unit 1 (A + a)] ≤ 40 m

#### 5. After 1st branch directly connected indoor unit

When installing pipe(a) of Indoor unit directly connected after 1st branch more than 40m and less than 90m,

-Pipe diameter is increased by one step.

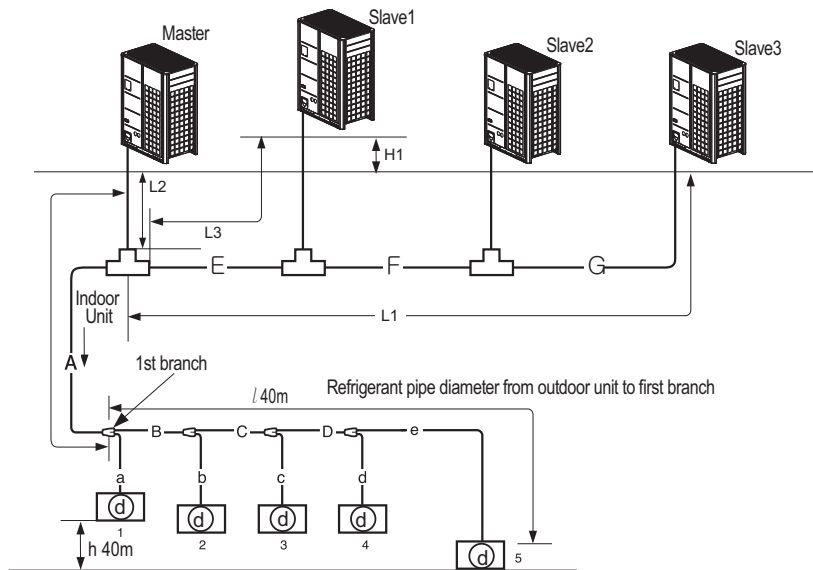
: Ø 6.35 → Ø 9.52 → Ø 12.7 → Ø 15.88 → Ø 19.05 → Ø 22.2 → ...

-Pipe length should be calculated twice.

:  $A+Bx2+Cx2+Dx2+ax2+b+c+d+e \leq 1,000$  m

## 7. Refrigerant piping system

### Outdoor unit Connection



\* Maximum number of connectable units could be different in accordance with model line up of target region.

A : Refrigerant pipe diameter from outdoor unit to first branch

E : Refrigerant pipe diameter for outdoor unit capacity (Slave 1+ Slave 2+ Slave 3)

F : Refrigerant pipe diameter for outdoor unit capacity (Slave 2+ Slave 3)

G : Refrigerant pipe diameter for outdoor unit capacity (Slave 3)

Level Difference (Outdoor unit ↔ Outdoor unit)	5m [16.4ft]
Max length from first branch to each outdoor unit (L1, L2, L3)	Less than 10m [32.8ft] (equivalent length of piping 13m [42.7ft])

### WARNING

- In case of pipe diameter connected after first branch(B) is bigger than the main pipe diameter(A), B should be of the same size with A.
- Do not choose the main pipe diameter by downward indoor unit total capacity, but its outdoor unit model name.
- Do not let the connection pipe from branch to branch exceed the main pipe diameter chosen by outdoor unit model name.

**[Example 1]** In case indoor unit combination ratio 120% is connected to 24HP(67.2 kW) outdoor unit.

1. Outdoor unit main pipe diameter A : Ø34.9(Gas pipe), Ø15.88(liquid pipe)
2. Pipe diameter B after first branch according to 120% indoor unit ombination(80.6kW) : Ø34.9(gas pipe), Ø19.05(liquid pipe)

Therefore, pipe diameter B connected after first branch would be Ø34.9(gas pipe) / Ø15.88(liquid pipe) which is same with main pipe diameter.

**[Example 2]** Where connecting the indoor units to the 22 HP (61.6 kW) outdoor unit to 130% of its system capacity (80.1kW) and branching 7k (2.2kW) indoor unit at the 1st branch.

1. Main pipe diameter(22 HP outdoor unit): Ø28.58(gas pipe), Ø15.88(Liquid pipe)
2. Pipe diameter between 1st and 2nd branch (77.9kW indoor units) : Ø34.9(Gas pipe), Ø19.05(Liquid pipe) in conformity with downward indoor units.

Since the main pipe diameter of 22HP outdoor unit is Ø28.58(gas pipe), Ø15.88(Liquid pipe) is used as the main pipe and the connection pipe between 1st and 2nd branch.

## 7. Refrigerant piping system

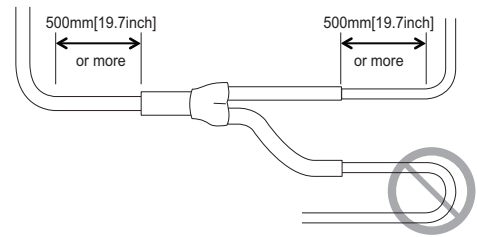
### 7.2 Indoor Unit Connection

#### ◆ Indoor Unit connecting pipe from branch (a, b, c, d, e, f)

Indoor Unit capacity [kW(Btu/h)]	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]
≤ 5.6(19,100)	Ø6.35(1/4)	Ø12.7(1/2)
< 16.0(54,600)	Ø9.52(3/8)	Ø15.88(5/8)
< 22.4(76,400)	Ø9.52(3/8)	Ø19.05(3/4)
≤ 28.0(95,900)	Ø9.52(3/8)	Ø22.2(7/8)

#### ⚠ CAUTION

- Bending radius should be at least twice the diameter of the pipe.
- Bend pipe after 500mm(19.7inch) or more from branch(or header).  
Do not bend U type.  
It may affect performance or result in noise.  
If U type bending is required, the R should be more than 200mm (7.9inch).

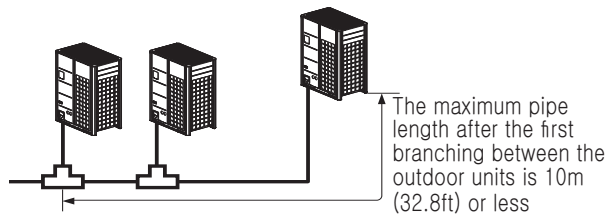


## 7. Refrigerant piping system

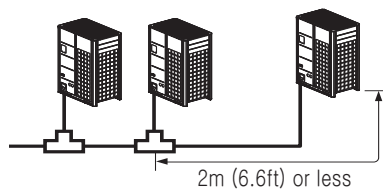
### 7.3 Pipe Connection Method/Precautions for Series connections between Outdoor units

- Separate Y branch joints are needed for series connections between outdoor units.
- Please refer to the below connection examples to install pipe connections between outdoor units.

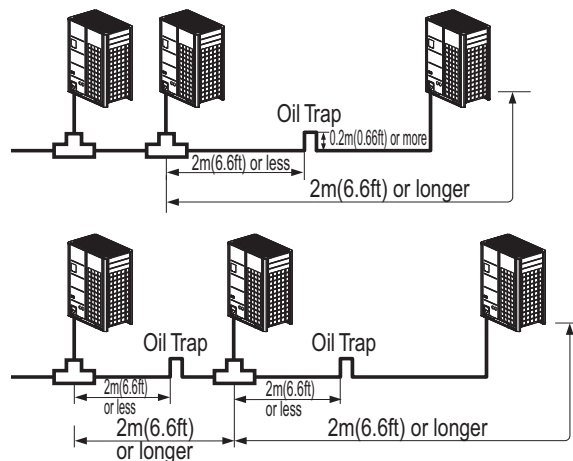
#### 7.3.1 Pipe connection between outdoor units (General Case)



#### 7.3.2 Pipes between outdoor units are 2m(6.6ft) or less



#### 7.3.3 Pipes between outdoor units are 2m(6.6ft) or longer

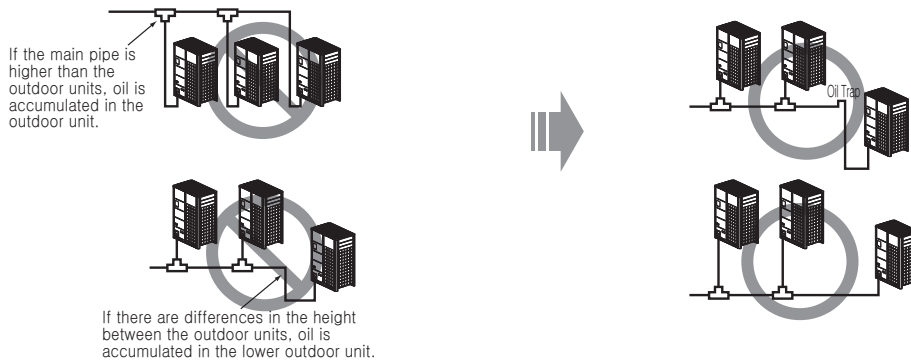


- If the distance between the outdoor units becomes more than 2m(6.6ft), apply Oil Traps between the gas pipes.
- If the outdoor unit is located lower than the main pipe, apply Oil Trap.



# 7. Refrigerant piping system

## 7.3.4 Examples of Wrong Pipe Connections



- The pipes between the outdoor units must maintain horizontal levelness or give an inclination to prevent a back flow toward the slave outdoor unit. Otherwise, the unit may not operate properly.

(Example 1)



(Example 2)

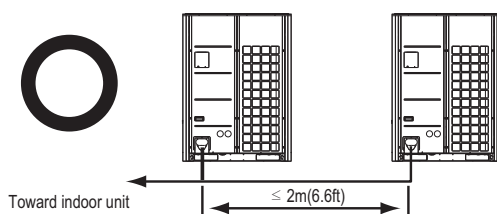


(Example 3)



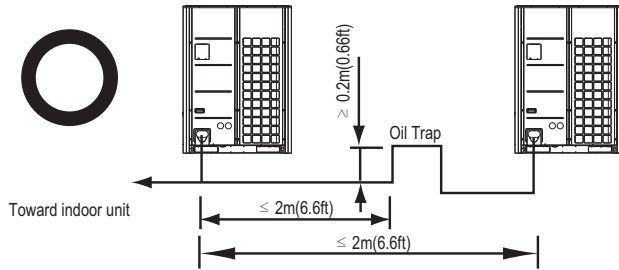
- Apply Oil Trap as shown below when the length of the pipe between the outdoor units is more than 2m(6.6ft). Otherwise, the unit may not operate properly.

(Example 1)



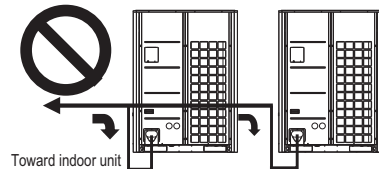
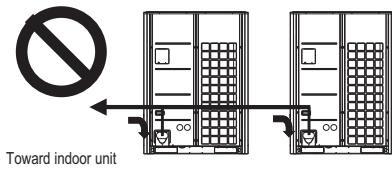
# 7. Refrigerant piping system

(Example 2)

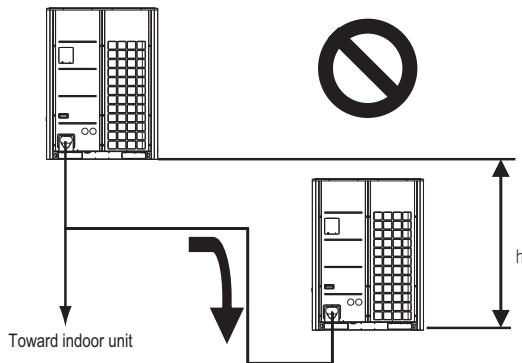


- Install Oil trap if the ODU is at lower level than main piping.
- When connecting the pipes between the outdoor units, the accumulation of oil in the slave outdoor unit should be avoided. Otherwise, the unit may not operate properly.

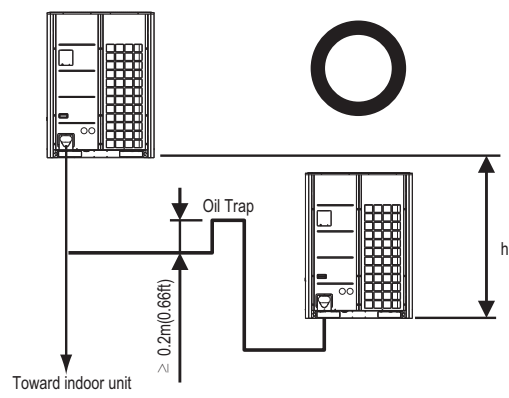
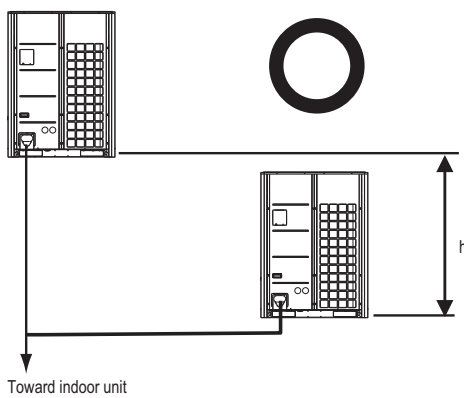
(Example 1)



(Example 2)



(Example 3)



## 7. Refrigerant piping system

### 7.4 The amount of Refrigerant

The calculation of the additional charge should take into account the length of pipe and CF(correctionFactor) value of indoor unit.

Additional charge(kg)	=	Total liquid pipe : Ø25.4 mm	×	0.480(kg/m)
	+	Total liquid pipe : Ø22.2 mm	×	0.354(kg/m)
	+	Total liquid pipe : Ø19.05 mm	×	0.266(kg/m)
	+	Total liquid pipe : Ø15.88 mm	×	0.173(kg/m)
	+	Total liquid pipe : Ø12.7 mm	×	0.118(kg/m)
	+	Total liquid pipe : Ø9.52 mm	×	0.061(kg/m)
	+	Total liquid pipe : Ø6.35 mm	×	0.022(kg/m)
	+	Number of installed HR units(2,3,4port)	×	0.500(kg)
	+	Number of installed HR units(6,8port)	×	1.000(kg)
	+	CF value of indoor unit(kg/EA)		

#### Note

For CF value (additional refrigerant) table of indoor units, please refer to th PDB of indoor unit.

# 7. Refrigerant piping system

## 7.5 Selection of Y Branch and Header

### 7.5.1 Y Branch

#### ■ Heat Pump System

Models	Gas pipe [unit:mm]	Liquid pipe [unit:mm]
ARBLN01621		
ARBLN03321		
ARBLN07121		
ARBLN14521		
ARBLN23220		

# 7. Refrigerant piping system

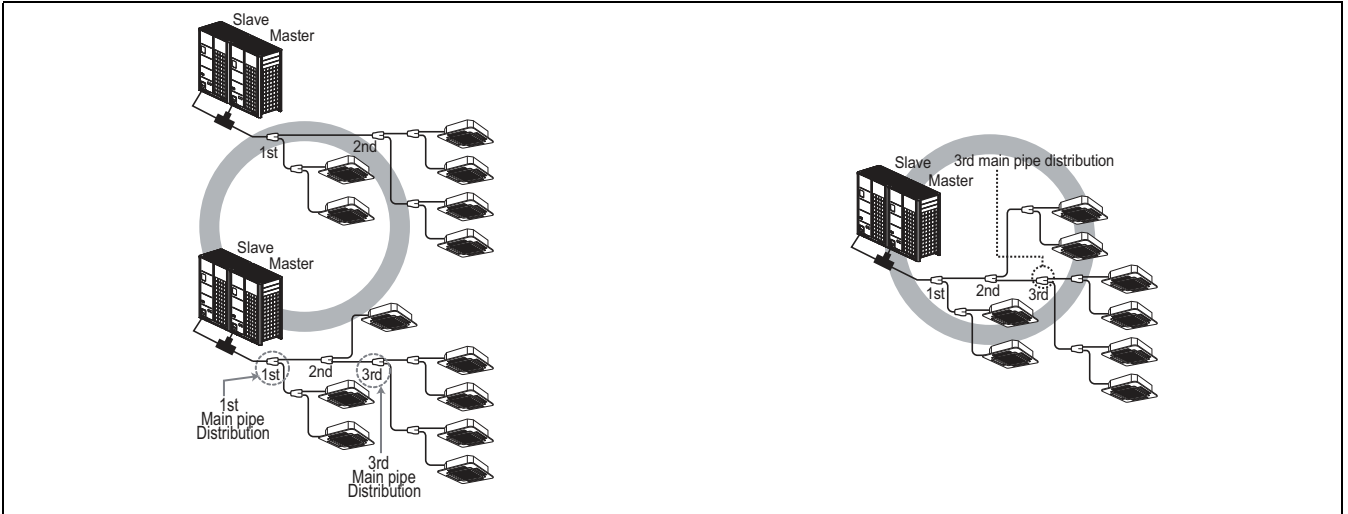
## 7.5.2 Header

Models	Gas pipe [unit:mm]	Liquid pipe [unit:mm]
4 branch ARBL054		
7 branch ARBL057		
4 branch ARBL104		
7 branch ARBL107		
10 branch ARBL1010		
10 branch ARBL2010		

# 7. Refrigerant piping system

## 7.6 Distribution Method

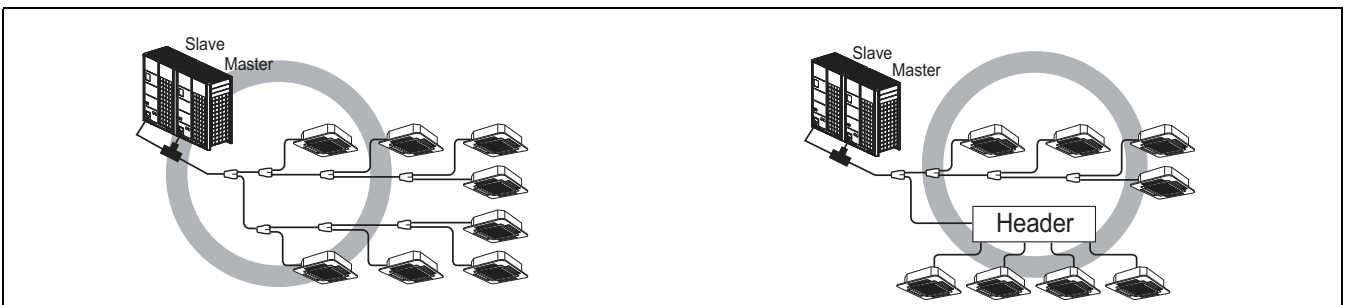
### 7.6.1 Horizontal Distribution



### 7.6.2 Vertical Distribution



### 7.6.3 The Others





## 8. Electrical Wiring

### 8.1 Electrical Wiring

#### 8.1.1 Caution

1. Follow ordinance of your governmental organization for technical standard related to electrical equipment, wiring regulations and guidance of each electric power company.

#### ⚠ CAUTION

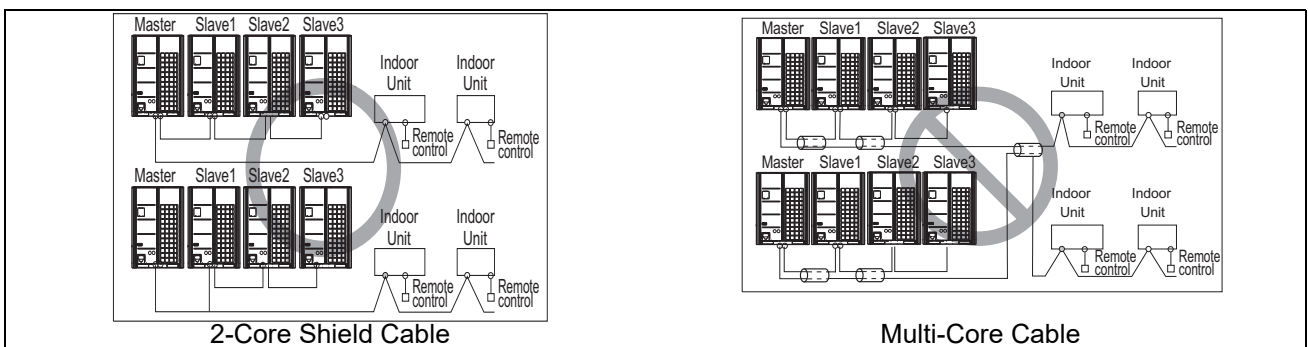
Be sure to have authorized electrical engineers do the electric work using special circuits in accordance with regulations and this installation manual. If power supply circuit has a lack of capacity or electric work deficiency, it may cause an electric shock or fire.

2. Install the Outdoor Unit communication line away from the power source wiring so that it is not affected by electric noise from the power source. (Do not run it through the same conduit.)
3. Be sure to provide designated grounding work to Outdoor Unit.

#### ⚠ CAUTION

Be sure to correct the outdoor unit to earth. Do not connect earth line to any gas pipe, liquid pipe, lightning rod or telephone earth line. If earth is incomplete, it may cause an electric shock.

4. Give some allowance to wiring for electrical part box of Indoor and Outdoor Units, because the box is sometimes removed at the time of service work.
5. Never connect the main power source to terminal block of communication line. If connected, electrical parts will be burnt out.
6. Use 2-core shield cable for communication line. (O mark in the figure below) If communication lines of different systems are wired with the same multiple-core cable, the resultant poor transmitting and receiving will cause erroneous operations. (⊗ mark in the figure below)
7. Only the communication line specified should be connected to the terminal block for Outdoor Unit communication.



\* The above System is representative Multi V 5 System. Actual combination of outdoor unit may be different by product line-up of region.

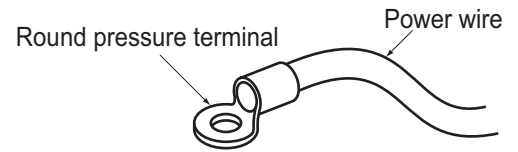
#### ⚠ CAUTION

- Use the 2-core shield cables for communication lines. Never use them together with power cables.
- The conductive shielding layer of cable should be grounded to the metal part of both units.
- Never use multi-core cable
- As this unit is equipped with an inverter, to install a phase leading capacitor not only will deteriorate power factor improvement effect, but also may cause capacitor abnormal heating. Therefore, never install a phase leading capacitor.
- Make sure that the power unbalance ratio is not greater than 2%. If it is greater the units lifespan will be reduced.

## 8. Electrical Wiring

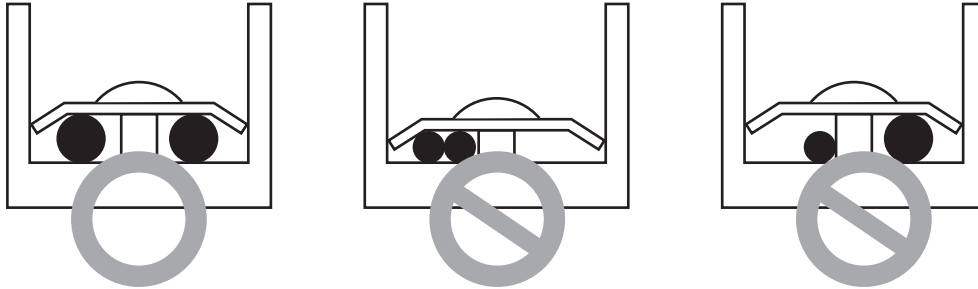
### ■ Precautions when laying power wiring

Use round pressure terminals for connections to the power terminal block.



When none are available, follow the instructions below.

- not connect wiring of different thicknesses to the power terminal block. (Slack in the power wiring may cause abnormal heat.)
- When connecting wiring which is the same thickness, do as shown in the figure below.



- For wiring, use the designated power wire and connect firmly, then secure to prevent outside pressure being exerted on the terminal block.
- Use an appropriate screwdriver for tightening the terminal screws. A screwdriver with a small head will strip the head and make proper tightening impossible.
- Over-tightening the terminal screws may break them.

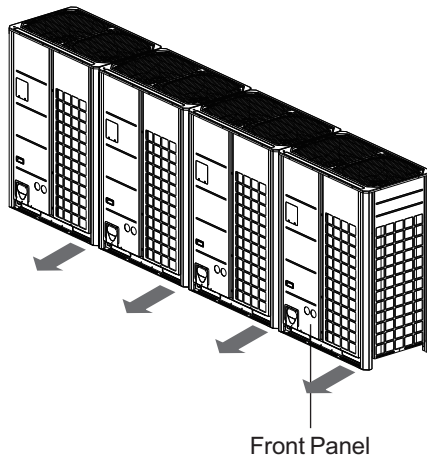
### ⚠ CAUTION

When the 400 volt power supply is applied to “N” phase by mistake, replace inverter PCB and transformer in control box.

## 8. Electrical Wiring

### 8.1.2 Control box and connecting positioning of wiring

- Remove all of the screws at front panel and remove the panel by pulling it forward.



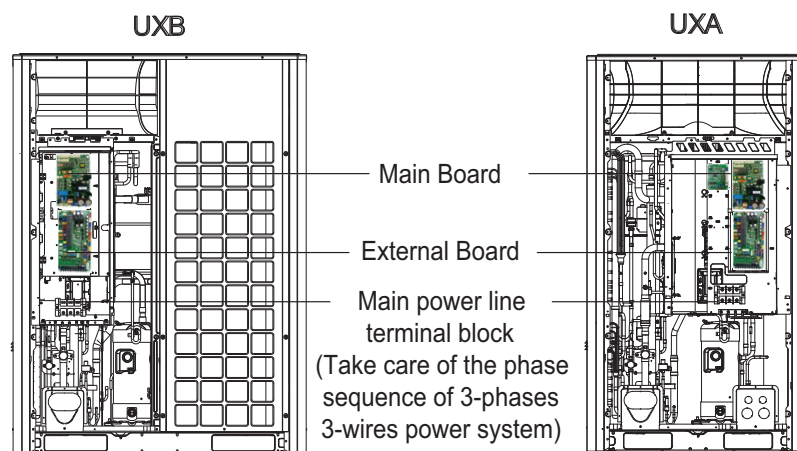
- Connect communication line between main and sub outdoor unit through the terminal block.
- Connect communication lines between outdoor unit and indoor units through the terminal block.
- When the central control system is connected to the outdoor unit, a dedicated PCB must be connected between them.
- When connecting communication line between outdoor unit and indoor units with shielded wire, connect the shield ground to the earth screw.

\* Actual combination of outdoor unit may be different by product line-up of region.

#### **WARNING**

The temperature sensor for outdoor air should not be exposed to direct sunlight.

- Provide an appropriate cover to intercept direct sunlight.



## 8. Electrical Wiring

### 8.1.3 Communication and Power Lines

#### 1. Communication cable

- Types : shielded cables
- Use wires of size : over 1.0 ~ 1.5 mm<sup>2</sup> ( $1.55 \times 10^{-3} \sim 2.32 \times 10^{-3} \text{ in}^2$ )
- Maximum allowable temperature: 60°C (140°F)
- Maximum allowable line length: under 1 000m (3 281 ft)

#### 2. Remote control cable

- Types : 3-core cable

#### 3. Central control cable

Product type	Wire type	Diameter
ACP&AC Manager	2-core cables (shielded)	1.0 ~ 1.5 mm <sup>2</sup> ( $1.55 \times 10^{-3} \sim 2.32 \times 10^{-3} \text{ in}^2$ )
AC Smart	2-core cables (shielded)	1.0 ~ 1.5 mm <sup>2</sup> ( $1.55 \times 10^{-3} \sim 2.32 \times 10^{-3} \text{ in}^2$ )
Simple central controller	4-core cables (shielded)	1.0 ~ 1.5 mm <sup>2</sup> ( $1.55 \times 10^{-3} \sim 2.32 \times 10^{-3} \text{ in}^2$ )
AC Ez	4-core cables (shielded)	1.0 ~ 1.5 mm <sup>2</sup> ( $1.55 \times 10^{-3} \sim 2.32 \times 10^{-3} \text{ in}^2$ )

#### 4. Separation of communication and power lines

- If communication and power lines are installed alongside each other then there is a strong likelihood of operational faults developing due to interference in the signal wiring caused by electrostatic and electromagnetic coupling.

The tables below indicates our recommendation as to appropriate spacing of communication and power lines where these are to be run side by side

Current capacity of power line	Spacing	
100V or more	10A	300mm (11-13/16 in)
	50A	500mm (19-11/16 in)
	100A	1 000mm (39-3/8 in)
	Exceed 100A	1 500mm (59-1/16 in)

#### Note

1. The figures are based on assumed length of parallel cabling up to 100 m(328 ft). For length in excess of 100 m(328 ft) the figures will have to be recalculated in direct proportion to the additional length of line involved.
2. If the power supply waveform continues to exhibit some distortion the recommended spacing in the table should be increased.
  - If the lines are laid inside conduits then the following point must also be taken into account when grouping various lines together for introduction into the conduits
  - Power lines(including power supply to air conditioner) and signal lines must not be laid inside the same
  - In the same way, when grouping the lines power and signal lines should not be bunched together.

#### CAUTION

- If apparatus is not properly earthed then there is always a risk of electric shock, the grounding of the apparatus must be carried out by a qualified person.

## 8. Electrical Wiring

### 8.2 DIP Switch Setting

#### 8.2.1 Checking according to dip switch setting

You can check the setting values of the Master outdoor unit from the 7 segment LED. The dip switch setting should be changed when the power is OFF.

#### 8.2.2 Checking the setting of the Master unit

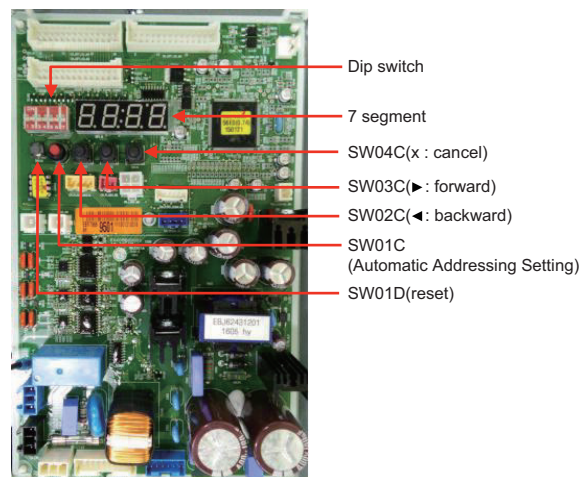
The number is sequentially appeared at the 7 segment in 5 seconds after applying the power. This number represents the setting condition.

- Initial display order

Order	No	Mean
①	8 ~ 26	Master model capacity
②	10 ~ 24	Slave 1 model capacity
③	10 ~ 24	Slave 2 model capacity
④	10 ~ 24	Slave 3 model capacity
⑤	8 ~ 96	Total capacity
⑥	2	Heat Pump
⑦	38	380V model
	46	460V model
	22	220V model
⑧	40	Product type

\* In accordance with the number of combined outdoor unit or target region, it could not be applied to set the order ③,④.

#### ◆ Main PCB



- Example) 58HP 220V Heat Pump system

(Master unit: 20HP, Slave 1: 20HP, Slave 2: 18HP, Slave 3: -)

①	②	③	④	⑤	⑥	⑦	⑧
20	20	18	-	58	2	22	40

#### Note

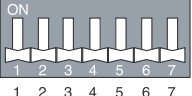
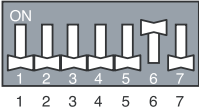
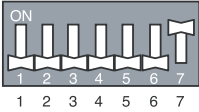

- Example of model names could be different with model names included within this PDB.
- In accordance with the number of combined outdoor unit or target region, it could not be applied to set the order ③,④.

# 8. Electrical Wiring

**⚠ CAUTION**

Product may not properly operate if the relevant DIP switch is not properly setup.

**■ Master / Slave Dip Switch Setting**

Dip switch setting	Master/Slave Unit			
	Master	Slave		
		Slave1	Slave2	Slave3
Heat Pump System (Factory setting)				

\* In accordance with the number of combined outdoor unit or target region, Slave2 and Slave3 could not be applied to set.



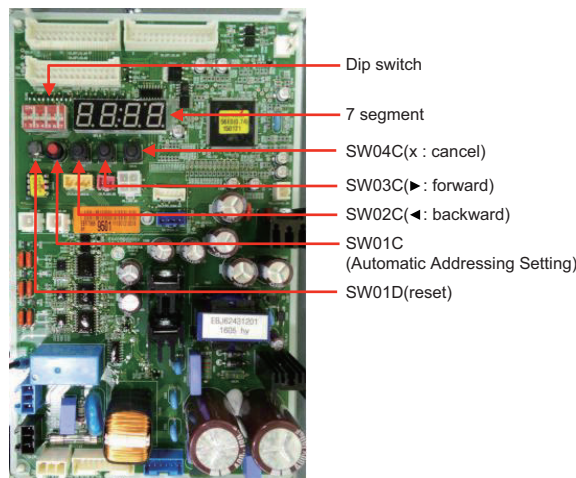
## 8. Electrical Wiring

### 8.3 Automatic Addressing

#### ■ The address of indoor units would be set by auto addressing

1. Wait for 3 minutes after supplying power. (Master and Slave outdoor units, indoor units)
2. Press RED button of the outdoor units for 5 seconds. (SW01C)
3. A "88" is indicated on 7-segment LED of the outdoor unit PCB.
4. For completing addressing, 2~7 minutes are required depending on numbers of connected indoor units
5. Numbers of connected indoor units whose addressing is completed are indicated for 30 seconds on 7-segment LED of the outdoor unit PCB
6. After completing addressing, address of each indoor unit is indicated on the wired remote control display window. (CH01, CH02, CH03, ....., CH06 : Indicated as numbers of connected indoor units)

#### ◆ Main PCB

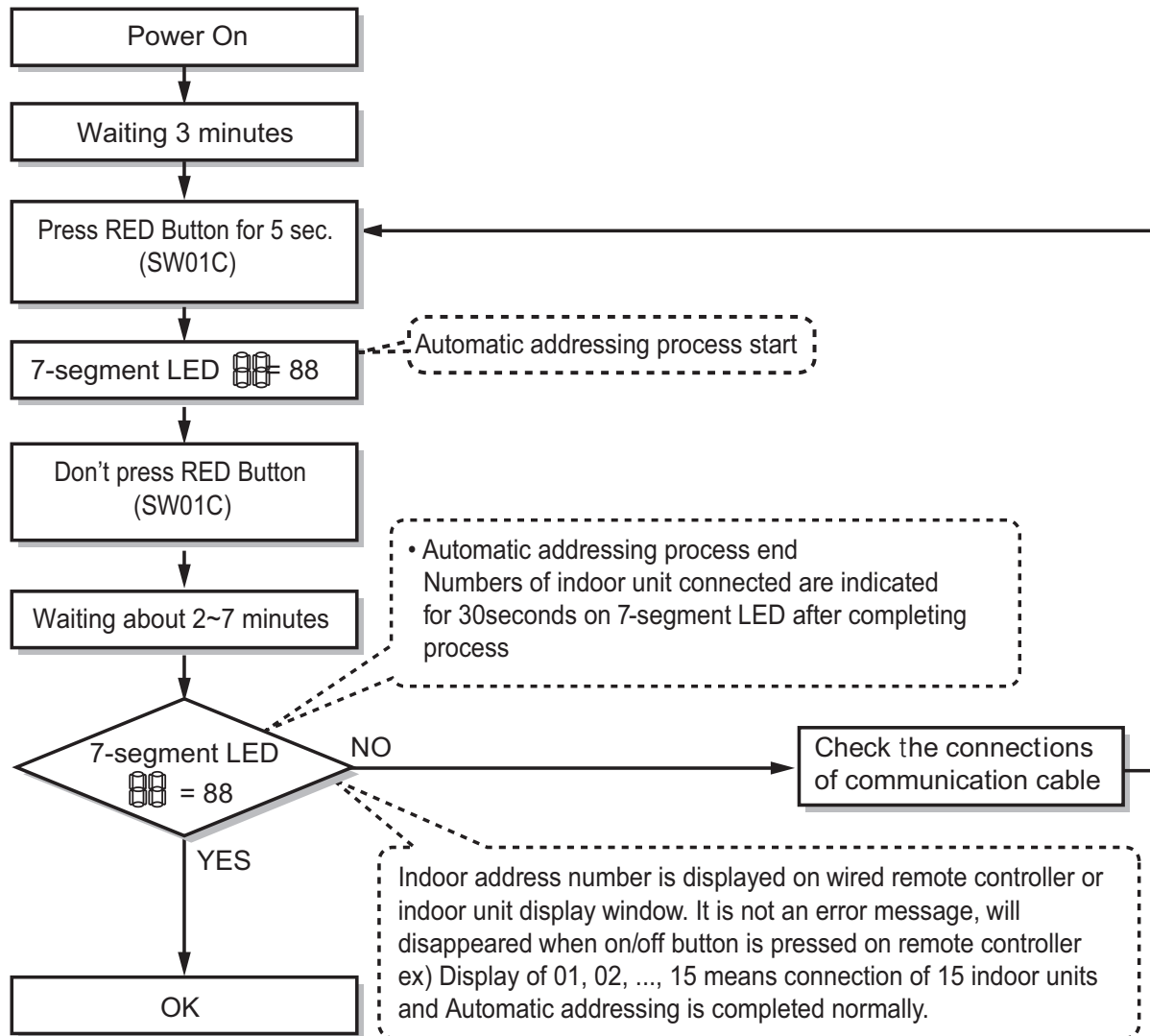


#### ⚠ CAUTION

- In replacement of the indoor unit PCB, always perform Auto addressing setting again (At that time, please check about using Independent power module to any indoor unit.)
- If power supply is not applied to the indoor unit, operation error occur.
- Automatic Addressing has to be performed after more than 3 minutes to improve indoor unit communication when initial power is supplied.
- Please be sure that all the dip switch (except DIP switch 3) of master outdoor unit is OFF before Automatic Addressing setting.
  - Set the DIP switch 3 to "On" if all the indoor units are "ARN-4".
  - Set the DIP switch 3 to "Off" if not all the indoor units are "ARN-4".

## 8. Electrical Wiring

### ◆ The Procedure of Automatic Addressing



## 9. Setting the function

### 9.1 Function List

MODE	Display	Function	Description
Func	Fn1	Cool & Heat Selector	Set when Cool & Heat Selector is connected
	Fn2	Static pressure compensation	Function for increasing outdoor fan speed, when using duct's
	Fn3	Night low noise	In the middle of the night time, reduces the Fan rpm to reduce the noise from the outdoor unit fan
	Fn4	Overall defrost	Set for only using Overall Defrost (not applying Partial Defrost)
	Fn5	ODU address	Address for monitoring cycle view with LG control solutions
	Fn6	Snow removal & rapid defrost	Function for snow removal and rapid defrost function
	Fn7	IDU capacity adjusting	Decrease airflow of IDU in case of shortage of heating capacity
	Fn8	Target pressure adjusting	Adjust High/Low pressure target
	Fn9	Low Ambient Kit	Function for controlling Low Ambient Kit I/O Module *Low Ambient Kit : Kit for cooling operation at low temperature(-20℃)
	Fn10	High Efficiency Mode (Cooling Operation)	Adjust low pressure target according to outdoor temperature
	Fn11	Auto Dust Removal	Function for blowing dust on heat exchanger
	Fn12	Compressor frequency limitation	Max compressor frequency limitation
	Fn13	ODU fan limitation	Max fan RPM limitation
	Fn14	Smart load control	Adjust high pressure target for heating and low pressure target for cooling according to outdoor temperature to optimize energy input.
	Fn16	Humidity Reference	Adjust high pressure target according to humidity to optimize energy input
	Fn19	Central Control Connection at Indoor Unit side	For AC EZ use only. Connectable to comm. Line between ODU and IDU. * Do not use with other central controller (ACP, AC SMART etc.)
	Fn20	Compressor Input Current Limit	Max input current limitation. 50~100% can be selected
	Fn21	Power Consumption Display on wired remote controller	Display Power Consumption on wired remote controller
	Fn22	Overall Defrost Operating in Low temperature (Heating)	Perform overall defrost periodically in low temperature to increase heating performance
	Fn23	Optional Base panel Heater	Set when base panel heater is installed

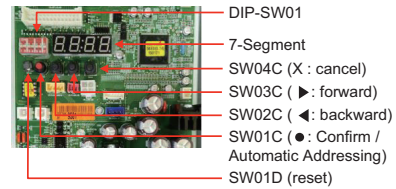
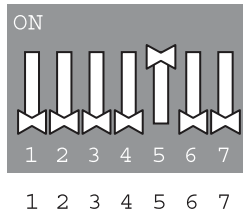
\* The functions shown in the table above could applicable depending on the model line up.

\* For details, refer to installation manual and service manual(General).

## 9. Setting the function

### 9.2 Dip Switch Setting

Select the mode/function/option/value using '▶', '◀' Button and confirm that using the '●' button after dip switch No.5 is turned on.



Optional Mode Selection		Function Selection		Option Selection		Remarks
Content	Display (◎)	Content	Display (◀, ▶ ◎)	Default	Optional (◀, ▶ ◎)	
FDD	Fdd	Automatic Refrigerant Charging (Cooling)	Fd1	-	-	-
		Automatic Refrigerant Charging (Heating)	Fd2	-	-	-
		Refrigerant Amount Check (Cooling)	Fd3	-	-	-
		Refrigerant Amount Check (Heating)	Fd4	-	-	-
		Automatic	Fd7	-	-	-
		All IDU operation (Cooling)	Fd8	-	-	Compulsory Operation
		All IDU operation (Heating)	Fd9	-	-	for 1hour
Installation	Func	Cool & Heat Selector	Fn 1	oFF	oFF, oP1~oP2	save in EEPROM
		High Static Pressure compensation	Fn 2	oFF	oFF, oP1~oP7	save in EEPROM
		Night low noise	Fn 3	oFF	oFF, oP1~oP12	save in EEPROM
		Overall Defrost	Fn 4	North America : oFF Europe : oFF Tropical : oN	on, oFF	save in EEPROM
		ODU Addressing	Fn 5	0	0~255	save in EEPROM
		Snow Removal & Rapid Defrost	Fn 6	oFF	oFF, oP1~oP3	save in EEPROM
		Capacity Up Airflow Adjusting for IDU (Heating)	Fn 7	oFF	on, oFF	save in EEPROM
		Target Pressure Adjusting	Fn 8	oFF	oFF, oP1~oP6	save in EEPROM
		Low Ambient Kit	Fn 9	oFF	on, oFF	save in EEPROM
		High Efficiency Mode (Cooling Operation)	Fn 10	oFF	on, oFF	save in EEPROM
		Auto Dust Removal Mode	Fn 11	oFF	oFF, oP1~oP5	save in EEPROM
		Compressor Max. Frequency Limit	Fn 12	oFF	oFF, oP1~oP9	save in EEPROM
		ODU Fan Max. RPM Limit	Fn 13	oFF	oFF, oP1~oP7	save in EEPROM
		Smart Load Control	Fn 14	oFF	oFF, oP1~oP3	save in EEPROM
		Humidity Reference	Fn 16	on	on, oFF	save in EEPROM
Compressor Input Current Limit	Fn 20	oFF	oFF, oP1~oP10	save in EEPROM		
Optional Base panel Heater	Fn 23	oFF	on, oFF	save in EEPROM		
Service	SvC	Vacuum mode	SE3	vACC	-	1time / 1 Selection
User	Idu	Continuous Cooling	Id10	EACH	-	save in EEPROM

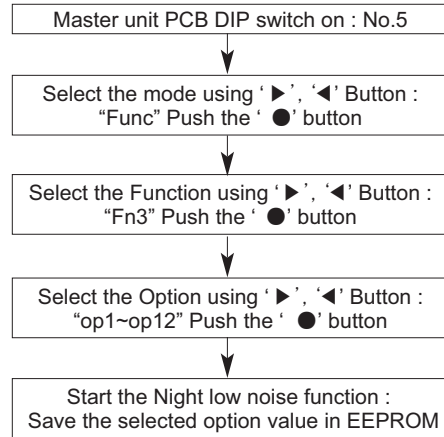
- Functions "save in EEPROM" will be kept continuously, though the system power was reset.
- For detail information about SVC and IDU setting functions, refer to the installation manual or SVC manual.
- The Functions could be different in accordance with model line up of target region.

## 9. Setting the function

### 9.3 Night Low Noise Function

In cooling mode, this function makes the ODU fan operate at low RPM to reduce the fan noise of ODU at night which has low cooling load.

#### ◆ Night low noise function setting method



#### ◆ Time Settings

Step	Judgment Time(Hr)	Operation Time(Hr)
op1	8	9
op2	6.5	10.5
op3	5	12
op4	8	9
op5	6.5	10.5
op6	5	12
op7	8	9
op8	6.5	10
op9	5	12
op10	Continuous operation	
op11	Continuous operation	
op12	Continuous operation	

#### ◆ Noise

Capacity	8 ~ 12 HP	14 ~ 20 HP	22 ~ 26 HP
Step	Noise(dB(A))		
op1 ~ op3, op10	55	59	60
op4 ~ op6, op11	52	56	57
op7 ~ op9, op12	49	53	55

\* The Capacity of unit could be different in accordance with model line up of target region.

#### ⚠ CAUTION

- Request installer to set the function during installation.
- If ODU RPM changes, cooling capacity may go down.

# ***MULTI V***™ **5**

## **Special Guide**

- 1. Cautions for Refrigerant Leaks**
- 2. Guide for installing at seaside**



# 1. Caution For Refrigerant Leaks

The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable if local regulations are not available.

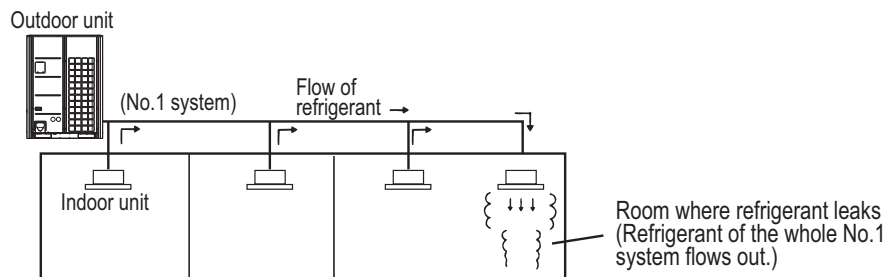
## 1.1 Introduction

Though the R410A refrigerant is harmless and incombustible itself, the room to equip the air conditioner should be large to such an extent that the refrigerant gas will not exceed the limiting concentration even if the refrigerant gas leaks in the room.

### 1.1.1 Concentration limit

Concentration limit is the limit of Freon gas concentration where immediate measures can be taken without hurting human body when refrigerant leaks in the air. The concentration limit shall be described in the unit of kg/m<sup>3</sup> (Freon gas weight per unit air volume) for facilitating calculation.

**Concentration limit : 0.44kg/m<sup>3</sup>(R410A)**



## 1.2 Checking procedure of limiting concentration

Check concentration limit along following steps and take appropriate measure depending on the situation.

### 1.2.1 Calculate amount of all the replenished refrigerant (kg) per each refrigerant system.

Amount of pre-charged refrigerant per single system

+

Amount of additional replenished refrigerant

=

Total amount of refrigerant in the system (kg)

Amount of replenished refrigerant at factory shipment

Amount of additionally replenished refrigerant depending on piping length or piping diameter by customer

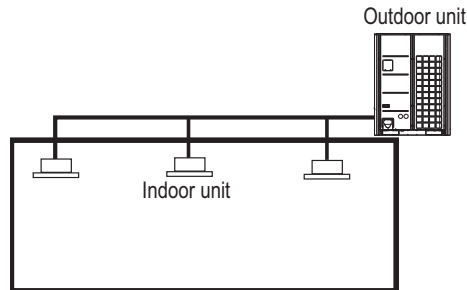
Note : In case one refrigerant facility is divided into 2 or more refrigerant systems and each system is independent, amount of replenished refrigerant of each system shall be adopted.

# 1. Caution For Refrigerant Leaks

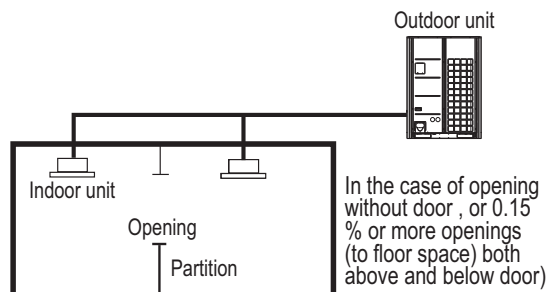
## 1.2.2 Calculate refrigerant concentration level

Calculate the volume of the room where indoor unit is installed as single room or the smallest room.

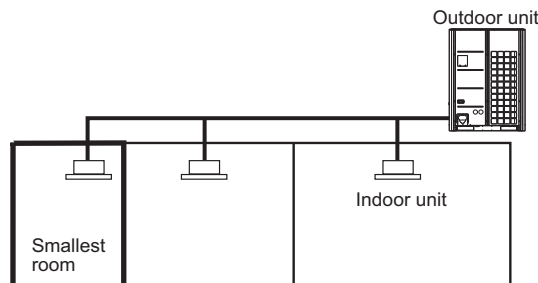
1. Without partition



2. With partition but opened which serve passage of air to adjoining room



3. With partition and without opening which serve as passage of air to adjoining room



### ◆ Calculate refrigerant concentration

$$\frac{\text{Total amount of refrigerant system (kg)}}{\text{Volume of smallest room where indoor unit is installed (m}^3\text{)}} \leq$$

$$\begin{matrix} \text{Maximum concentration} \\ \text{limit} \\ | \\ \text{(kg/m}^3\text{)} \\ \text{(R410A)} \end{matrix}$$

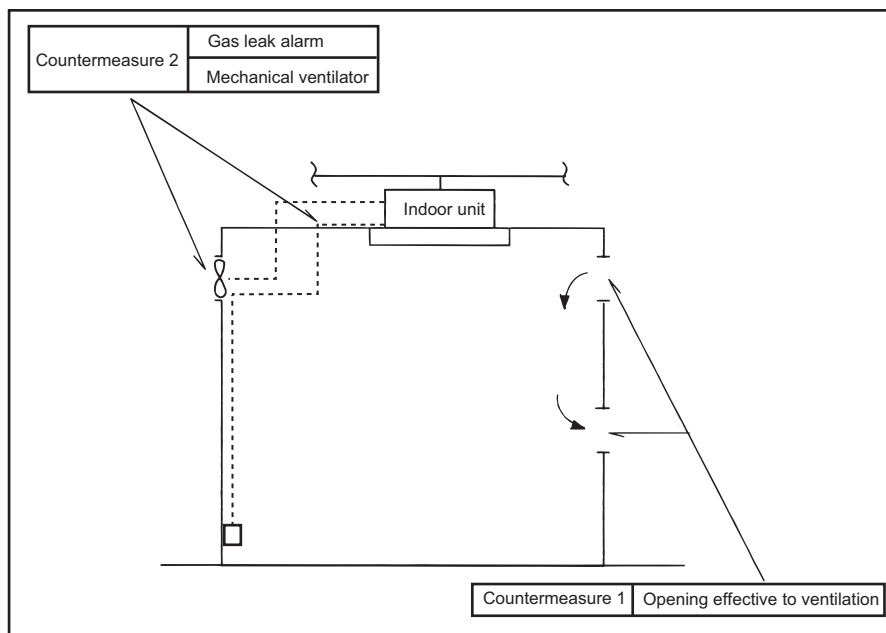
In case the result of calculation exceeds the concentration limit, perform the same calculations by shifting to the second smallest, and the third smallest rooms until at last the result is below the concentration limit.

# 1. Caution For Refrigerant Leaks

## ◆ In case the concentration exceeds the limit

When the concentration exceeds the limit, change original plan or take one of the counter measure shown below:

- **Counter measure 1**  
Provide opening for ventilation.  
Provide 0.15% or more size of opening to floor space both above and below door, or provide opening without door.
- **Counter measure 2**  
Provide gas leak alarm linked with mechanical ventilator.
- **Counter measure 3**  
Reducing the system's refrigerant quantity by deviding into smaller separate system.



## ⚠ CAUTION

Pay a special attention to the place, such as a basement, etc. where refrigerant can stay, since refrigerant is heavier than air.

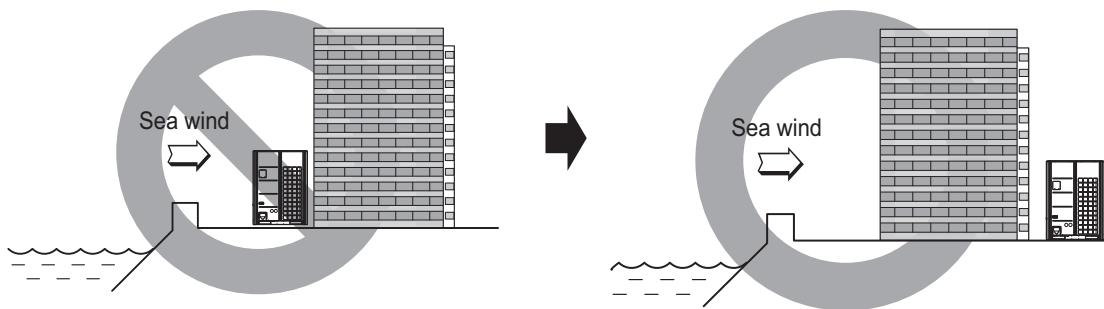
## 2. Guide for installing at seaside

### ⚠ CAUTION

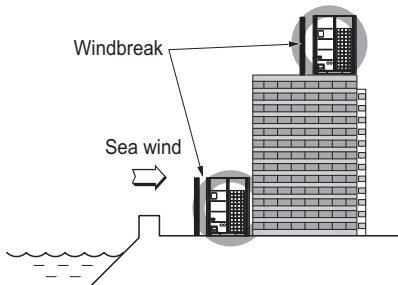
1. Air conditioners must not be installed in areas where corrosive gases, such as acid or alkaline gas, are produced.
2. Avoid installing the product where it could be exposed to sea wind (salty wind) directly. It can result corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.
3. If outdoor unit is installed close to the seaside, should avoid direct exposure to the sea wind.

### 2.1 Selecting the location(Outdoor Unit)

1. If the outdoor unit is to be installed close to the seaside, direct exposure to the sea wind should be avoided. Install the outdoor unit on the opposite side of the sea wind direction.



2. In case, to install the outdoor unit on the seaside, set up a windbreak not to be exposed to the sea wind.



- It must be strong enough like concrete to prevent the sea wind from the sea.
- The height and width should be more than 150% of the outdoor unit.
- It must be kept more than 70 cm of distance between outdoor unit and the windbreak for smooth air flow.

3. Select a well-drained place.

### ⚠ CAUTION

Periodic (1 times per 6 months) cleaning of the dust or salt particles stuck on the heat exchanger is necessary by using clean water.

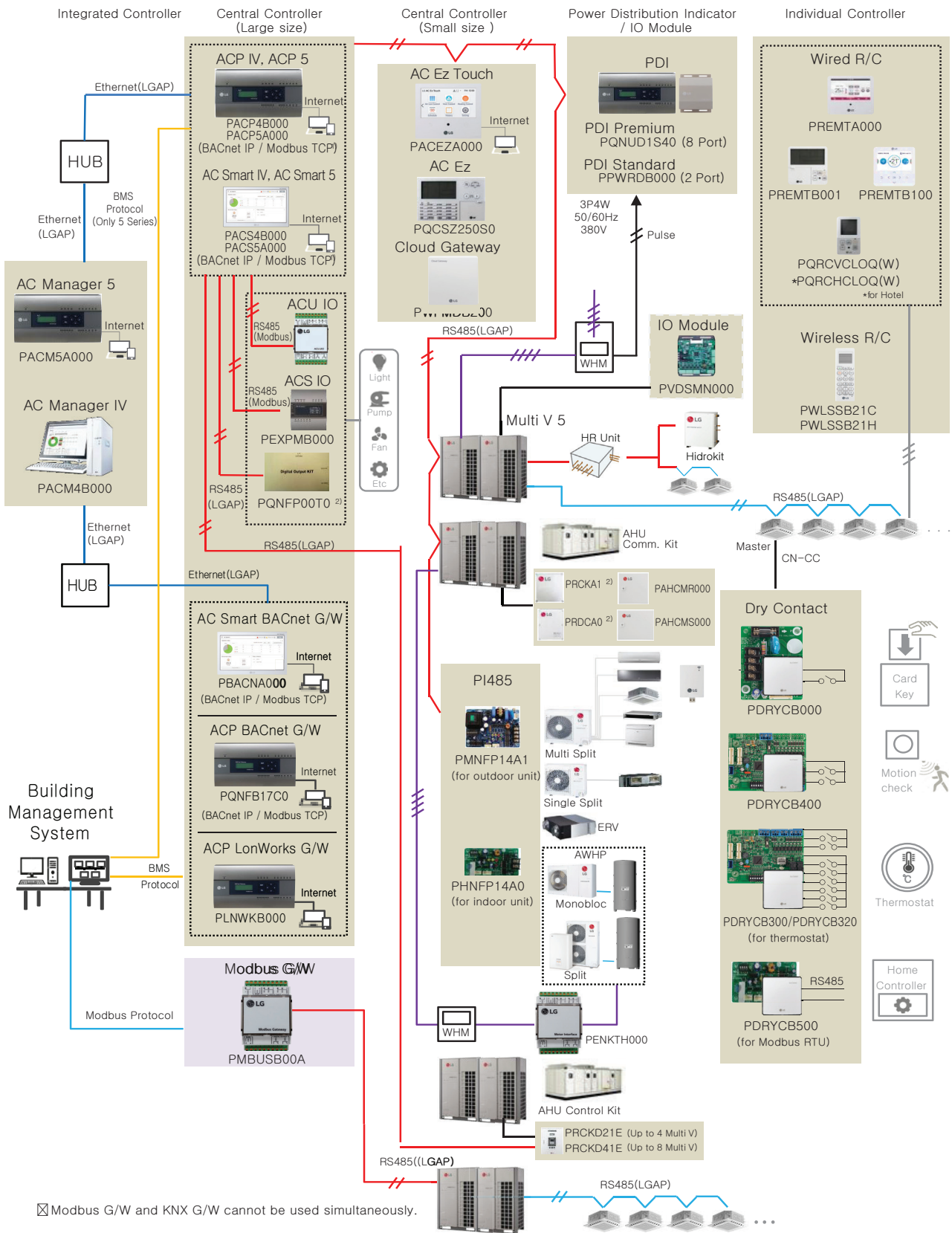
» If there is improper installation or maintenance not complying with the installation guide, product's performance and reliability is not guaranteed.

# ***MULTI V*** <sup>TM</sup> **5**

## **Control System**

- 1. Solution Overview**
- 2. Control System List**
- 3. Function List**
- 4. Accessory Compatibility List**
- 5. Centralized Controller Compatibility List**








# 1. Solution Overview



- 1) It is available 5 series controllers (ACP5, AC Smart5) only.
- If you need more detail, please refer to the Control PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))



## 2. Control System List

Category	Controller name	Model name	Compatible Product	Dimensions (W x H x D, mm)	Feature
Individual controller	Premium Wired Remote Controller	PREMTA000(A/B) 	All IDU ERV <sup>1)</sup> ERV DX	137 x 121 x 16.5	<ul style="list-style-type: none"> <li>5 inch color Display</li> <li>Touch Screen</li> <li>Group control (Max 16 indoor unit)</li> <li>Temp./Humid. sensing</li> </ul>
	Standard Wired Remote Controller	PREMTB100 PREMTBB10 	All IDU ERV <sup>1)</sup> ERV DX	120 x 120 x 16	<ul style="list-style-type: none"> <li>4.3 inch color Display</li> <li>Touch button</li> <li>Group control (Max 16 indoor unit)</li> <li>Temp./Humid. sensing</li> <li>1 Digital Output available(on/off)</li> </ul>
		PREMTB001 PREMTBB01 	All IDU ERV <sup>1)</sup> ERV DX	120 x 120 x 16	<ul style="list-style-type: none"> <li>4.3 inch mono Display</li> <li>Hard button</li> <li>Group control (Max 16 indoor unit)</li> <li>2-remote controller control</li> <li>Temp. sensing</li> <li>Basic / Advanced function*</li> <li>schedule function</li> </ul>
	Simple Wired Remote Controller	PQRCVCL0Q(W) 	All IDU	120 x 64 x 15	<ul style="list-style-type: none"> <li>2.6 inch mono Display</li> <li>Hard button</li> <li>Group control (Max 16 indoor unit)</li> <li>2-remote controller control</li> <li>Temp. sensing</li> <li>Basic function*</li> </ul>
		PQRCHCA0Q(W) 	All IDU	120 x 64 x 15	<ul style="list-style-type: none"> <li>2.6 inch mono Display</li> <li>Hard button</li> <li>Group control (Max 16 indoor unit)</li> <li>2-remote controller control</li> <li>Temp. sensing</li> <li>Basic function* (except mode change)</li> </ul>
	Wireless Remote Controller	PQWRHQ0FDB 	All IDU	153 x 51 x 26	<ul style="list-style-type: none"> <li>Heat Pump</li> <li>2 inch mono Display</li> <li>Hard button</li> <li>Temp. sensing</li> <li>Basic function*</li> </ul>
		PQWRCQ0FDB 	All IDU	153 x 51 x 26	<ul style="list-style-type: none"> <li>Cooling Only</li> <li>2 inch mono Display</li> <li>Hard button</li> <li>Temp. sensing</li> <li>Basic function*</li> </ul>

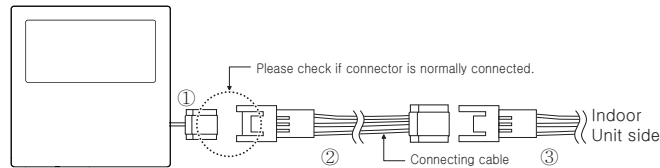
- 1) ERV : Energy Recovery Ventilation
- \* Basic/Advanced function refer [Function List /Individual Controller].
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Control System List

### Outline of system

#### 1. Installation Method

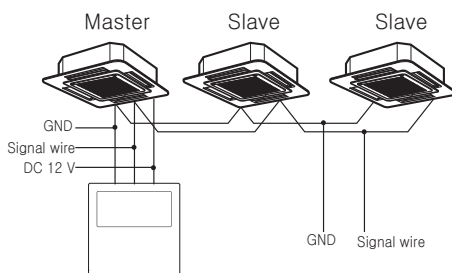
12 V	Red
Signal	Yellow
GND	Black



※ ① : AWG#24 / ②, ③ : AWG#22

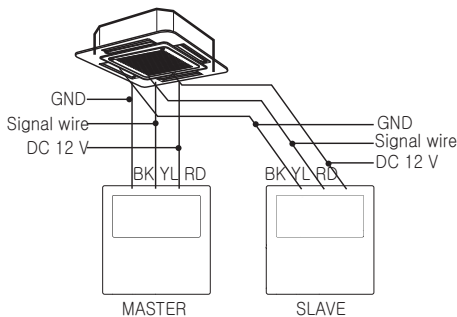
⇒ The total cable length must not exceed 50m. (It can cause communication error.)

#### 2. Group Control



⇒ When controlling multiple indoor units with one remote controller, you must change the master/slave setting from the indoor unit.

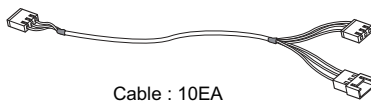
#### 3. 2-Remote Controller Control



⇒ When installing more than 2 units of wired remote controller to one air conditioner, set one wired remote controller as master and the others all as slaves.

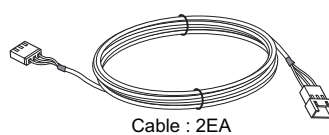
#### • 2-Remote Controller Control cable

- Model name : PZCWRC2
- Length : 0.25m



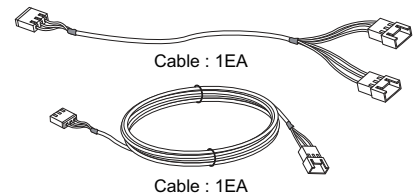
#### • Extension cable

- Model name : PZCWRC1
- Length : 9.6m









#### • Group Control cable

- Model name : PZCWRCG3
- Length : 0.25m



- If you need more detail, please refer to the Control PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Control System List

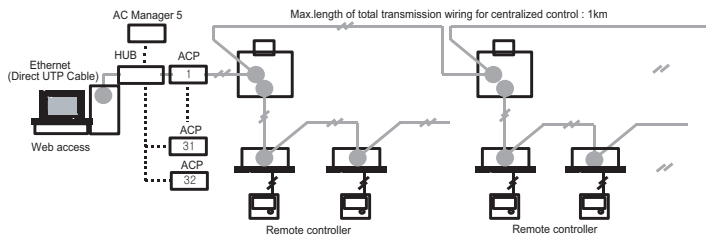
Category	Controller name	Model name	Compatible Product	Dimensions (W x H x D, mm)	Feature
Central controller	AC Manager 5	PACM5A000 	All IDU ERV <sup>1)</sup> ERV DX Heating AHU Chiller*	270 x 155 x 65	<ul style="list-style-type: none"> <li>PC Access Controller</li> <li>DC 12 V Adaptor</li> <li>Max 8,192 indoor unit control (Supports 32 ACP IV or AC Smart IV)</li> <li>Chrome(Recommended), Safari, Internet Explorer 11 support</li> </ul>
	AC Manager IV	PACM4B000 	All IDU ERV <sup>1)</sup> ERV DX Heating AHU Chiller*	-	<ul style="list-style-type: none"> <li>PC installation SW</li> <li>Max 8,192 indoor unit control (Supports 32 ACP IV or AC Smart IV)</li> <li>Windows XP/7/8/8.1/10 OS support</li> </ul>
	ACP 5	PACP5A000 	All IDU ERV <sup>1)</sup> ERV DX Heating AHU Chiller*	270 x 155 x 65	<ul style="list-style-type: none"> <li>PC Access Controller</li> <li>DC 12 V Adaptor</li> <li>Max 256 indoor unit control</li> <li>RS-485 : 6 channels CH1~4 : indoor unit <sup>2)</sup> CH5 : LGAP(AHU) or Modbus(AHU, Chiller, ACS I/O) CH6 : Modbus(AHU, Chiller, ACS I/O)</li> <li>DI 10EA, DO 4EA (DI1 : Emergency stop Only)</li> </ul>
	ACP IV	PACP4B000 			
	ACP BACnet	PQNFB17C0 	All IDU ERV <sup>1)</sup> ERV DX Heating AHU	270 x 155 x 65	<ul style="list-style-type: none"> <li>PC Access Controller</li> <li>Max 256 indoor unit control</li> <li>DC 12 V Adaptor</li> <li>RS-485 : 6 channels CH1~4 : indoor unit <sup>2)</sup> CH5 : LGAP(AHU) CH6 : Modbus(AHU, Chiller, ACS I/O)</li> <li>DI 10EA, DO 4EA (DI1 : Emergency stop Only)</li> <li>BACnet IP Protocol Support</li> <li>Modbus TCP Protocol Support</li> <li>BTL Certified(B-ASC)</li> </ul>
	ACP Lonworks	PLNWKB000 	All IDU ERV <sup>1)</sup> ERV DX Heating AHU	270 x 155 x 65	<ul style="list-style-type: none"> <li>PC Access Controller</li> <li>Max 64 indoor unit control</li> <li>DC 12 V Adaptor</li> <li>RS-485 : 6 channels Lon Comm. : 1 channel CH1~4 : indoor unit <sup>2)</sup> CH5 : LGAP(AHU) CH6 : Not use LON : Lon Talk</li> <li>Lonworks Protocol Support</li> </ul>

- 1) ERV : Energy Recovery Ventilation
- 2) Indoor unit : IDU, ERV, DX ERV, Hydro Kit, DO Kit
- \* It needs to apply Chiller Option KIT.
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

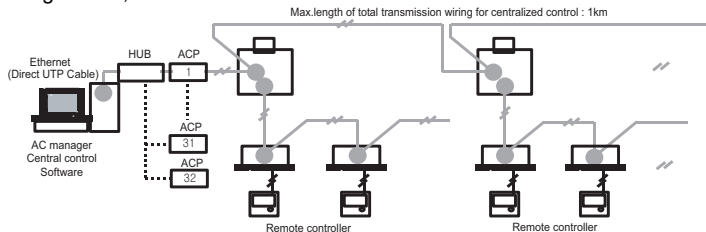
## 2. Control System List

### Outline of system

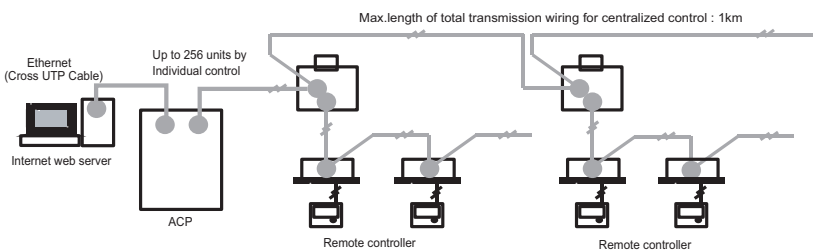
▶ When using a HUB, use Direct UTP Cable.



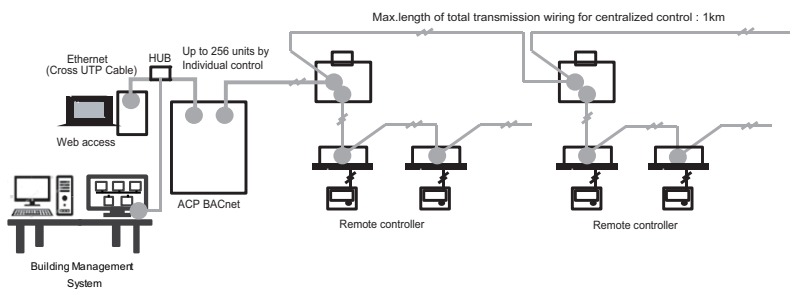
▶ When using a HUB, use Direct UTP Cable.



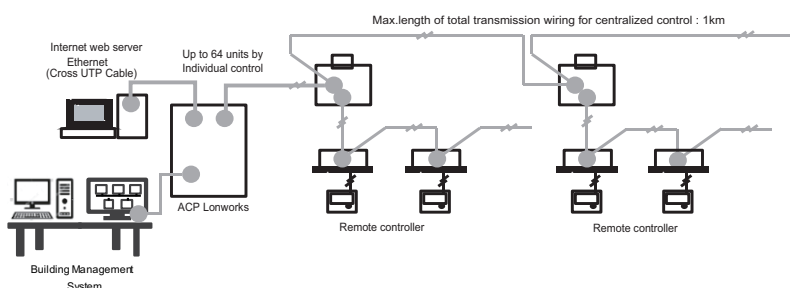
- Recommended PC Specifications for AC Manager IV
  - CPU : Dual Core 2.4GHz or faster
  - System Memory : 4 GB or more
  - Hard Disk Space : 100 GB or more
  - OS : Windows XP/7/8/8.1/10
  - Resolution : 1280 x 1024 or higher
  - Recommended Graphics: VGA: For NVidia, Geforce or later. For ATI, Radeon or later
  - ACP : ACP version 1.1.4p or higher



- Max. the number of connected node\* in one RS485 Line : 32
- Communication cable
  - Types : shielding wire
  - Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup>
  - Max. allowable temperature of cable : 60 °C
  - Max. length of total transmission wiring (End to End) : 1 km




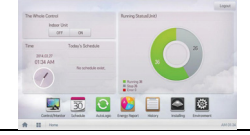





- Max. the number of connected node\* in one RS485 Line : 32
- Communication cable
  - Types : shielding wire
  - Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup>
  - Max. allowable temperature of cable : 60 °C
  - Max. length of total transmission wiring (End to End) : 1 km



- Max. the number of connected node\* in one RS485 Line : 32
- Communication cable
  - Types : shielding wire
  - Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup>
  - Max. allowable temperature of cable : 60 °C
  - Max. length of total transmission wiring (End to End) : 1 km

- \* nodes : Central controller + (Multi V outdoor unit x 2) + Other PI 485 G/W ≤ 32 ea  
Ex) ACP 1ea + AC Smart Premium 2 ea + Multi V outdoor unit 6ea = 1 + 2 + (6 x 2) = 15 nodes
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Control System List

Category	Controller name	Model name	Compatible Product	Dimensions (W x H x D, mm)	Feature
Central controller	AC Smart 5	PACS5A000 	All IDU ERV DX Heating AHU Chiller*	253.2 x 167.7 x 28.9	<ul style="list-style-type: none"> <li>• 10.2 inch color Display</li> <li>• Touch Screen</li> <li>• DC 12 V Adaptor</li> <li>• Max 128 indoor unit control</li> <li>• RS-485 : 2 channels</li> <li>CH1 : <ul style="list-style-type: none"> <li>- LGAP(AHU) or</li> <li>- Modbus(AHU, Chiller, ACS I/O)</li> <li>- Indoor unit <sup>2)</sup>(AC Smart5 only<sup>3)</sup>)</li> </ul> </li> <li>CH2 : Indoor unit <sup>2)</sup></li> <li>• DI 2EA, DO 2EA</li> </ul>
	AC Smart IV / AC Smart BACnet	PACS4B000 / PBACNA000 			
	AC Ez Touch	PACEZA000 	All IDU ERV <sup>1)</sup> ERV DX Heating	137x 121 x 25	<ul style="list-style-type: none"> <li>• 5inch color Display</li> <li>• Touch Screen</li> <li>• DC 12 V Adaptor</li> <li>• Max 64 indoor unit control</li> <li>• RS-485 : 1 channel</li> <li>• DI 1EA (Emergency stop Only)</li> </ul>
	AC Ez	PQCSZ250S0 	All IDU ERV <sup>1)</sup> ERV DX	190 x 120 x 20	<ul style="list-style-type: none"> <li>• TN Mono Display &amp; 18 LED</li> <li>• Button Control</li> <li>• DC 12 V</li> <li>• Max 32 indoor unit control</li> <li>• RS-485 : 1 channel</li> </ul>
	PDI Premium	PQNUD1S40 	All IDU ERV DX Heating	[Controller] 270 x 155 x 65 [Power Module] 120 x 155 x 65	<ul style="list-style-type: none"> <li>• EHP ODU 8EA(GHP 4EA)</li> <li>• 128 EHP Indoor Units (64 GHP Indoor Units)</li> <li>• AC 220~240 V Power Input</li> <li>• 8port Pulse Input</li> </ul>
	PDI Standard	PPWRDB000 	All IDU ERV DX Heating	[Controller] 270 x 155 x 65 [Power Module] 120 x 155 x 65	<ul style="list-style-type: none"> <li>• EHP ODU 2EA(GHP 1EA)</li> <li>• 128 EHP Indoor Units (64 GHP Indoor Units)</li> <li>• AC 220~240 V Power Input</li> <li>• 2port Pulse Input</li> </ul>
	Cloud Gateway	PWFMDB200 	All IDU	120 x 120 x 29	<ul style="list-style-type: none"> <li>• 12V DC</li> <li>• Max 16 indoor units</li> <li>• RS485 : 1 channel (LGAP)</li> <li>• Wired/Wireless LAN</li> </ul>

- \* It needs to apply Chiller Option KIT.
- 1) ERV : Energy Recovery Ventilation
- 2) Indoor unit : IDU, ERV, DX ERV, Heating
- 3) In case of using AC Smart IV or AC Smart BACnet, can't use CH1 for Indoor unit.
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))






## 2. Control System List

Outline of system	
<p>Up to 128 units by individual control</p> <p>AC Smart IV</p> <p>Remote controller</p> <p>Remote controller</p> <p>Max. length of total transmission wiring for centralized control : 1km</p>	<ul style="list-style-type: none"> <li>• Communication cable                             <ul style="list-style-type: none"> <li>– Types : shielding wire</li> <li>– Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup></li> <li>– Max. allowable temperature of cable : 60°C</li> <li>– Max. length of total transmission wiring (End to End) : 1 km</li> </ul> </li> </ul>
<p>Up to 64 units by individual control</p> <p>AC Ez Touch</p> <p>Remote controller</p> <p>Remote controller</p> <p>Max. length of total transmission wiring for centralized control : 1km</p>	<ul style="list-style-type: none"> <li>• Communication cable                             <ul style="list-style-type: none"> <li>– Types : shielding wire</li> <li>– Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup></li> <li>– Max. allowable temperature of cable : 60°C</li> <li>– Max. length of total transmission wiring (End to End) : 1 km</li> </ul> </li> </ul>
<p>Up to 32 units by individual control</p> <p>AC Ez</p> <p>Remote controller</p> <p>Remote controller</p> <p>Max. length of total transmission wiring for centralized control : 1km</p>	<ul style="list-style-type: none"> <li>• Communication cable                             <ul style="list-style-type: none"> <li>– Types : shielding wire</li> <li>– Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup></li> <li>– Max. allowable temperature of cable : 60°C</li> <li>– Max. length of total transmission wiring (End to End) : 1 km</li> </ul> </li> </ul>
<p>Power In single phase 220~240 V~, 50/60 Hz</p> <p>Power In 3 phase 4 wire 380~400 V~, 50/60 Hz</p> <p>Wattmeter</p> <p>RS485 (LGAP)</p> <p>Pulse signal</p> <p>Pulse signal</p> <p>Power cable of indoor unit</p> <p>(00) (01) (02) (03)</p> <p>(70) (71) (72) (73)</p> <p>AC MANAGER</p> <p>ACP</p> <p>RS485 (LGAP)</p>	<ul style="list-style-type: none"> <li>• Communication cable                             <ul style="list-style-type: none"> <li>– Types : shielding wire</li> <li>– Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup></li> <li>– Max. allowable temperature of cable : 60°C</li> <li>– Max. length of total transmission wiring (End to End) : 1 km</li> </ul> </li> <li>• Pulse cable                             <ul style="list-style-type: none"> <li>– Types : shielding wire</li> <li>– Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup></li> <li>– Max. allowable temperature of cable : 60°C</li> <li>– Max. length of total transmission wiring (End to End) : 10 m</li> </ul> </li> </ul>
<p>Up to 16 units by individual control</p> <p>Cloud Gateway</p> <p>Remote controller</p> <p>Remote controller</p> <p>Max. length of total transmission wiring for centralized control : 1km</p>	<ul style="list-style-type: none"> <li>• Communication cable                             <ul style="list-style-type: none"> <li>– Types : shielding wire</li> <li>– Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup></li> <li>– Max. allowable temperature : 60°C</li> <li>– Max. length of total RS485 transmission wiring (End to End) : 1km</li> </ul> </li> </ul>

- \* The maximum quantity of connected indoor unit is different depending on the quantity of connected I/O modules
- If you need more detail, please refer to the Control PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))



## 2. Control System List

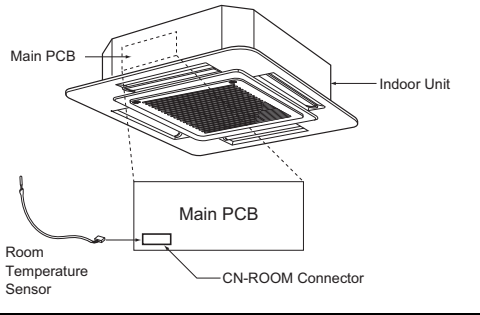
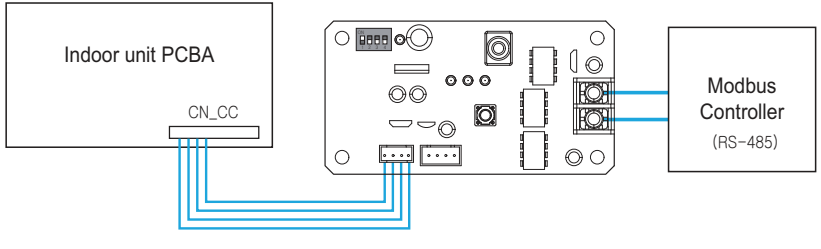
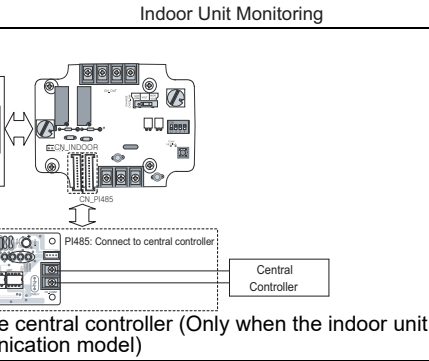
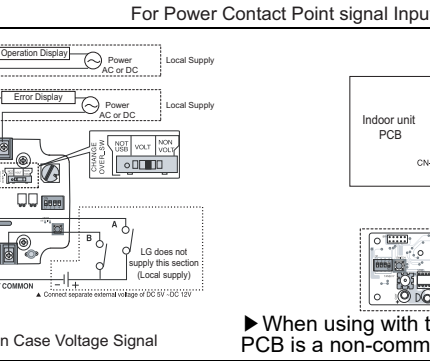
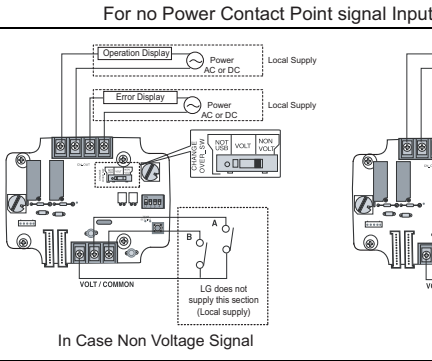
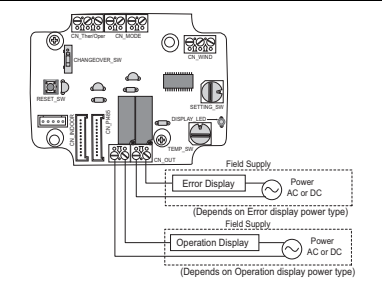
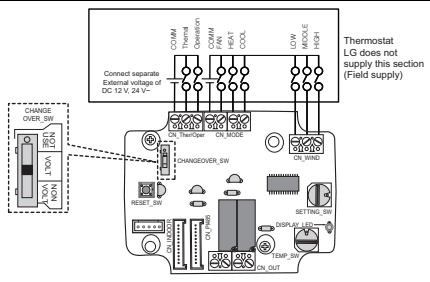
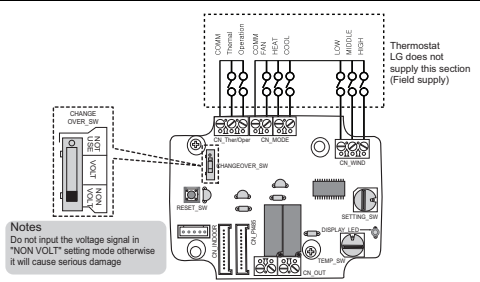
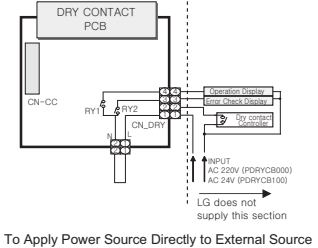
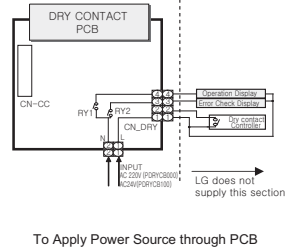
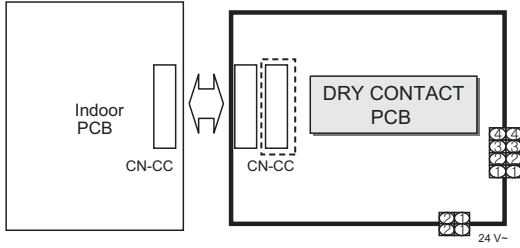
Category	Controller name	Model name	Objective / Use	Dimensions (W x H x D, mm)	Feature
Interface Device	Dry Contract	PDRYCB000 PDRYCB100 	For Connect indoor unit to other forced on/off controller	120 x 120 x 36.5	<ul style="list-style-type: none"> <li>• 1SET / 1 IDU</li> <li>• 1 Contact point</li> <li>• Input power AC 220V~240 V               <ul style="list-style-type: none"> <li>– PDRYCB000 : AC 220V~240V</li> <li>– PDRYCB100 : AC 24V</li> </ul> </li> <li>• 2 output contacts(operation, error)</li> </ul>
		PDRYCB300 	For Connect Indoor unit to Other Thermostat Controller. (Available from Multi V II series)	120 x 120 x 36.5	<ul style="list-style-type: none"> <li>• 1SET / 1 IDU</li> <li>• 8 Contact point</li> <li>• No need AC input</li> <li>• Target temperature setting is possible</li> <li>• 2 output contacts(operation, error)</li> </ul>
		PDRYCB400 	For Connect Indoor unit to other Forced on/off Controller. (Available from Multi V II series)	120 x 120 x 36.5	<ul style="list-style-type: none"> <li>• 1SET / 1 IDU</li> <li>• 2 Contact point</li> <li>• No need AC input</li> <li>• Target temperature setting is possible</li> <li>• 2 output contacts(operation, error)</li> </ul>
		PDRYCB500 	For Connect Indoor unit to external controller. (Available from Multi V II series)	120 x 120 x 36.5	<ul style="list-style-type: none"> <li>• 1SET / 1 IDU</li> <li>• 2 wire RS-485</li> <li>• MODBUS</li> <li>• Address range (01~08)</li> </ul>
	Remote Temperature Sensor	PQRSTA0 	Sensor for detecting the room temperature	70 x 120 x 14.8	

- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

# 2. Control System List

## Outline of system



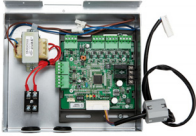


Connect CN-CC with Indoor PCB by the cable(provided)  
 - Connection of Dry contact only



**CAUTION**  
 Remote temperature sensor only applied to Cassette and Duct products.

• If you need more detail, please refer to the Control PDB or the manual of product.  
 (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

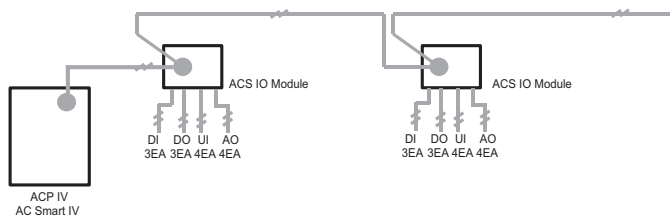
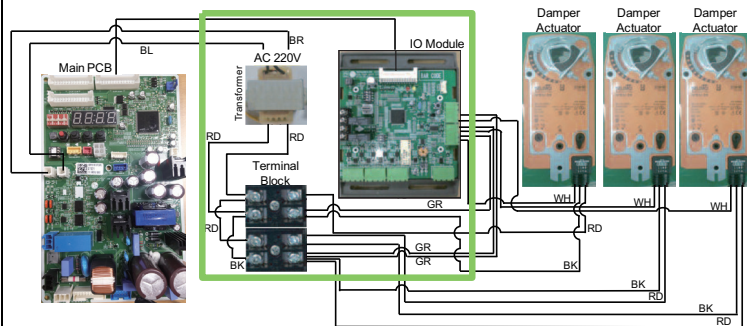
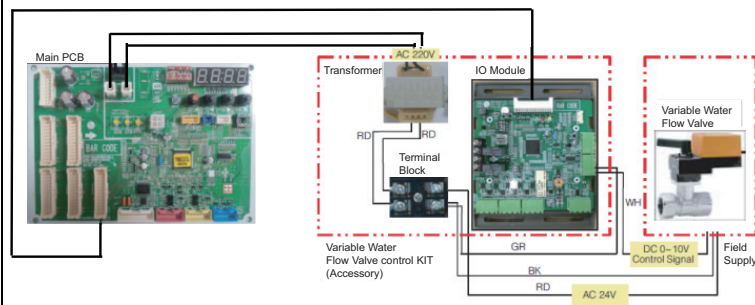
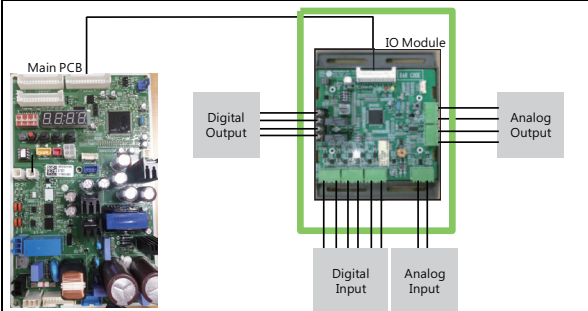
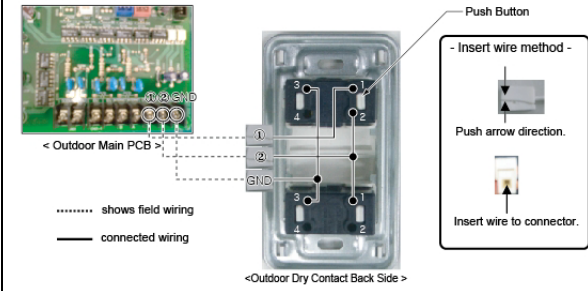
## 2. Control System List

Category	Controller name	Model name	Objective / Use	Dimensions (W x H x D, mm)	Feature
Interface Device	Cool/Heat Selector	PRDSBM 	To Select Operation Mode	74 x 120 x 103	<ul style="list-style-type: none"> <li>• Push Button Type</li> <li>• Mode : Cooling, Heating, Fan</li> </ul>
	IO(Input/Output) Module	PVDSMN000 	Expansion IO function (Available from Multi V IV series)	126 x 155 x 33	<ul style="list-style-type: none"> <li>• AO 2EA (Voltage)</li> <li>• AI 2EA (Voltage)</li> <li>• DI 6EA (DryContact)</li> <li>• DO 2EA (operation, error) Relay Output / Normal Open</li> </ul>
	Variable Water Flow Valve Control Kit <sup>1)</sup>	PWFCKN000 	Variable Water Flow Valve (Available from Multi V Water IV series)	218 x 200 x 85	<ul style="list-style-type: none"> <li>• AO 2EA (Voltage)</li> <li>• AI 2EA (Voltage)</li> <li>• DI 6EA (DryContact)</li> <li>• DO 2EA (operation, error) Relay Output / Normal Open</li> </ul>
	Low Ambient Control Kit	PRVC2 	Low Ambient (Available from Multi V IV series)	126 x 155 x 33	<ul style="list-style-type: none"> <li>• AO 2EA (Voltage)</li> <li>• AI 2EA (Voltage)</li> <li>• DI 6EA (DryContact)</li> <li>• DO 2EA (operation, error) Relay Output / Normal Open</li> </ul>
	ACS I/O Module	PEXPMB000 	ACP 5 ACP IV AC Smart 5 AC Smart IV	126 x 155 x 65	<ul style="list-style-type: none"> <li>• 24 V~ Power Input</li> <li>• AO 4EA (Voltage)</li> <li>• UI 4EA (Voltage, Current, NTC 10k, PT1000, Ni1000, Dry Contact)</li> <li>• DI 3EA (Dry Contact)</li> <li>• DO 3EA (Relay Output / Normal Open)</li> <li>• RS-485 : 1 channel(Modbus)</li> </ul>

- 1) It is available Multi V Water Outdoor unit only.
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Control System List





### Outline of system



- ACP IV : Up to 16 ACS IO Modules\*
- AC Smart IV : Up to 9 ACS IO Modules\*
- Communication cable
  - Types : shielding wire
  - Use wires of size : over 0.75 ~ 1.5 mm<sup>2</sup>
  - Max. allowable temperature : 60°C
  - Max. length of total transmission wiring for centralized control : 1km
  - Max. length of I/O wiring : 100m

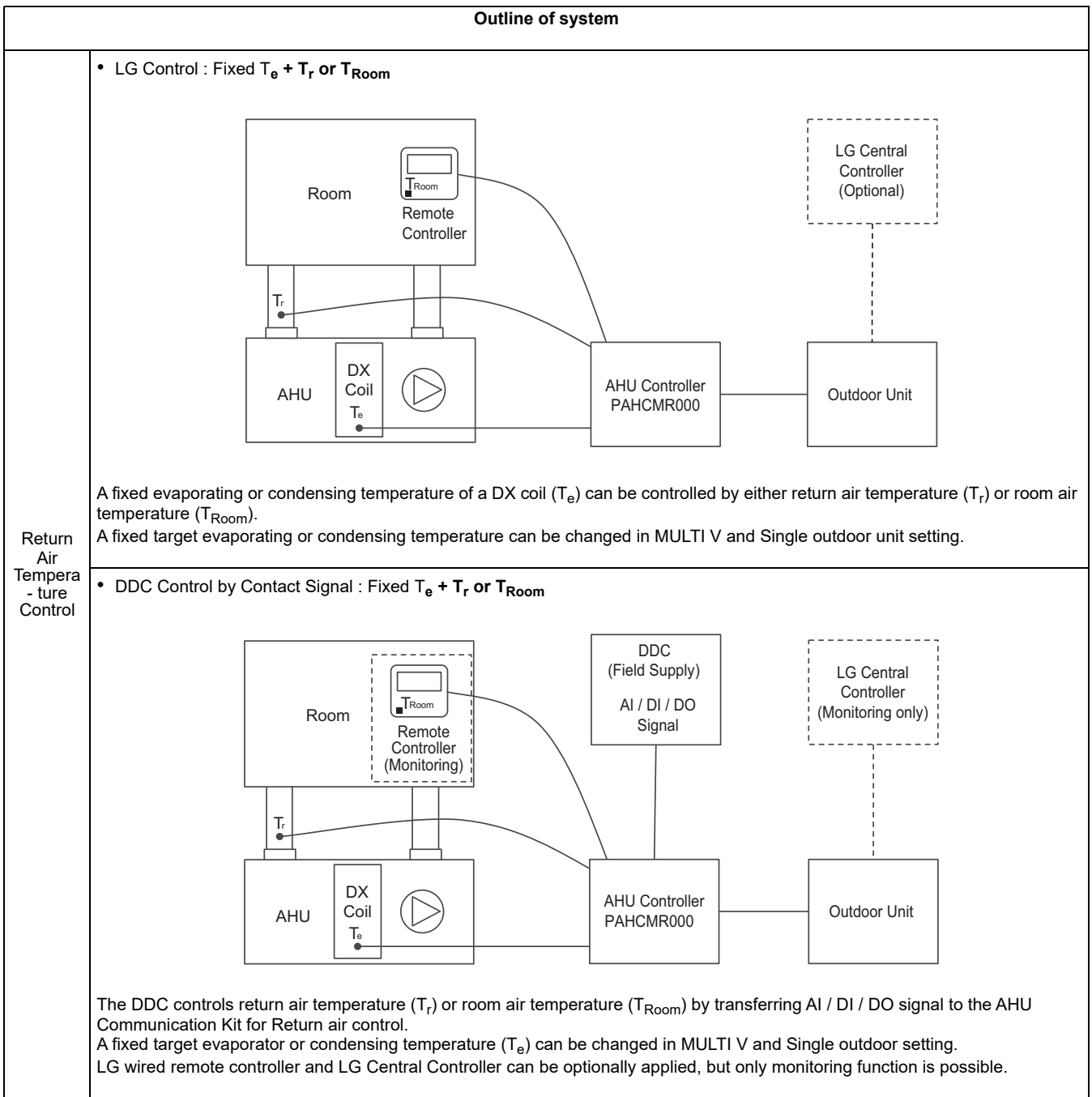
• If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Control System List

Category	Controller name	Model name	Objective / Use	Dimensions (W x H x D, mm)	Feature
Interface Device	AHU Comm. Kit	PAHCMR000  <Product cover>   <Communication Module>	Return Air Temperature Control	300 X 300 X 155	<ul style="list-style-type: none"> <li>• UI 4EA (AI/DI)</li> <li>• DO 3EA (Relay, A type)</li> <li>• T/B Spring Push Type</li> </ul>
	AHU Comm. Kit	PAHCMS000  <Product cover>   <Main Module(left) and Communication Module(right)>	Discharge Air Temperature Control	380 X 300 X 155	<ul style="list-style-type: none"> <li>• UI 15EA (AI/DI)</li> <li>• DI 3EA (Dry Contact)</li> <li>• DO 9EA (Relay,A type 8EA, C type 1EA)</li> <li>• AO 6EA (0~10V)</li> <li>• T/B Spring Push Type</li> </ul>

- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

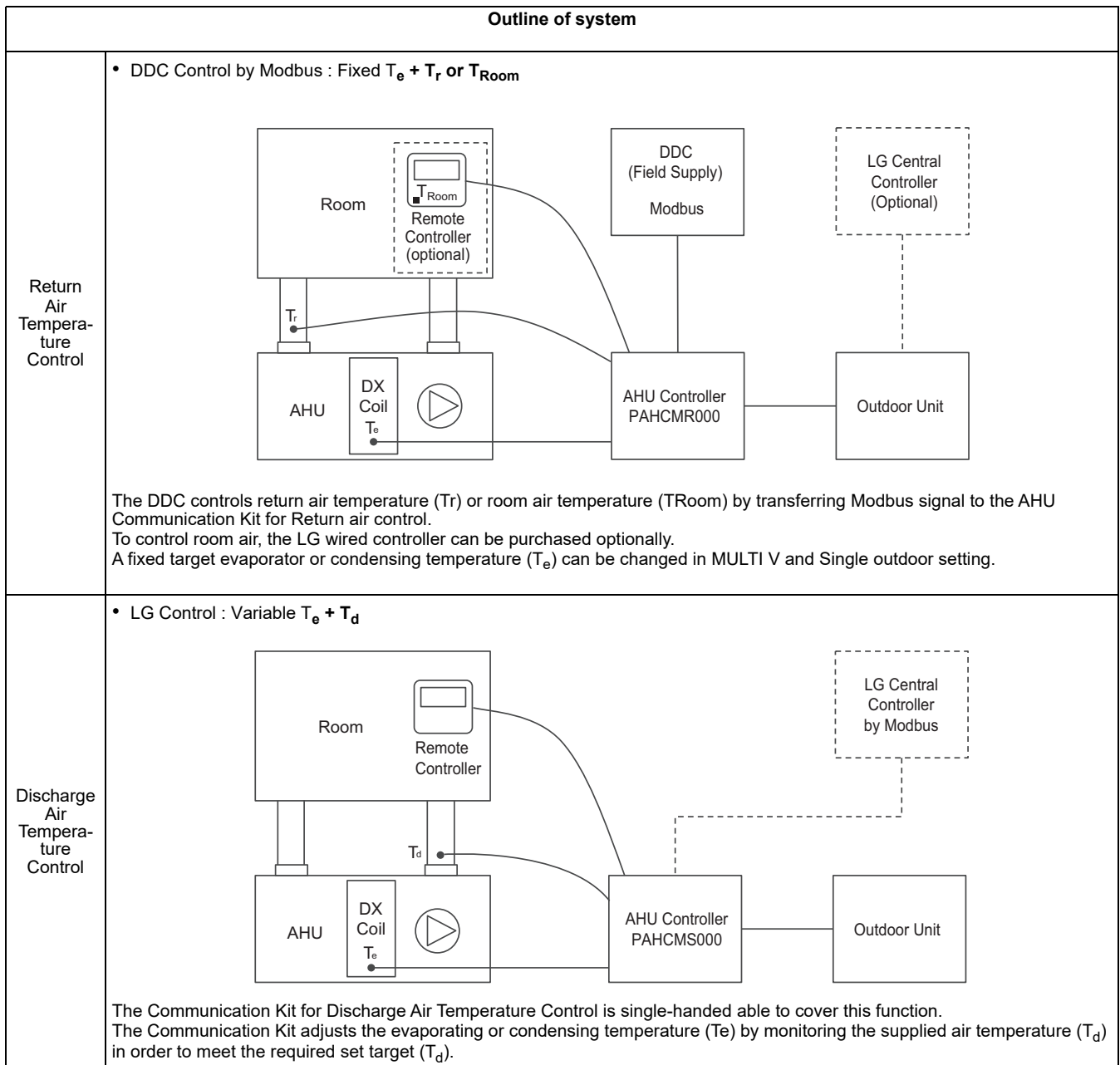
## 2. Control System List



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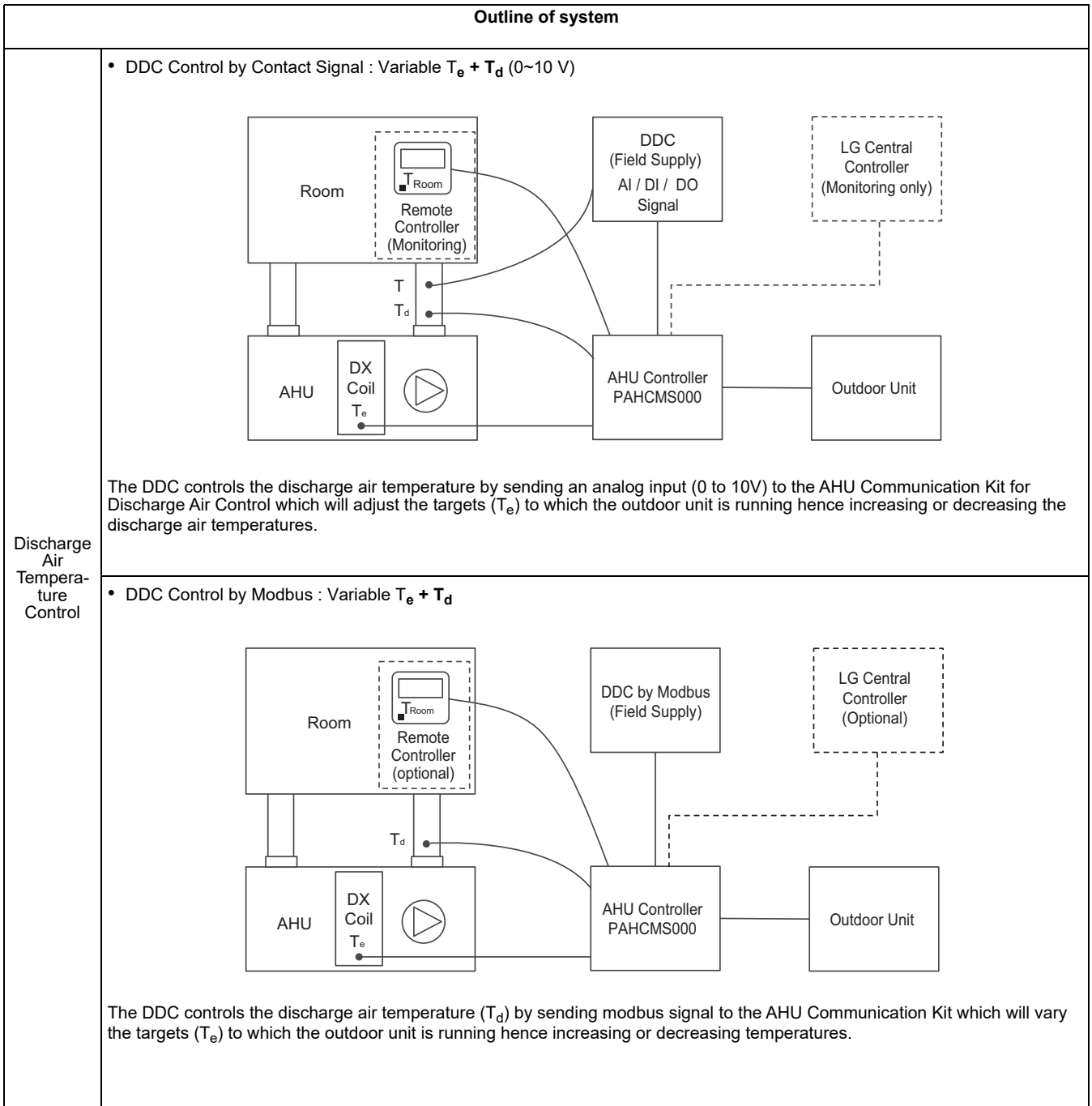


## 2. Control System List




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(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))


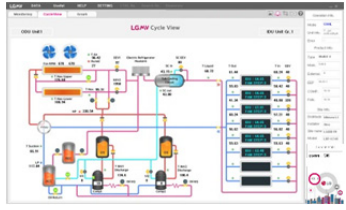
## 2. Control System List



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## 2. Control System List

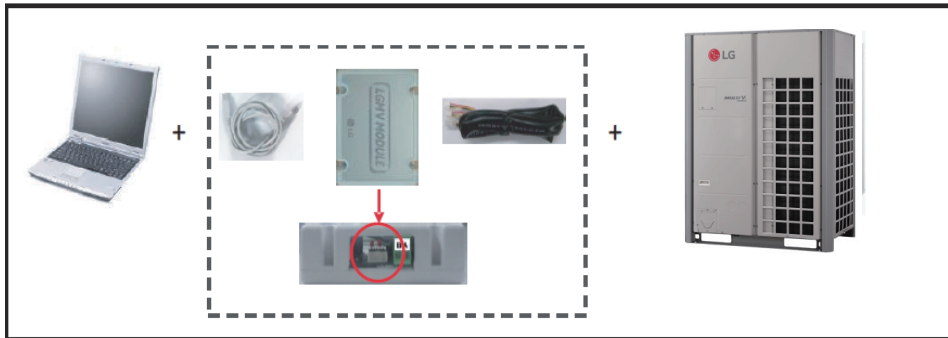
Category	Controller name	Model name	Objective /Use	Dimensions (W x H x D, mm)	Feature
Maintenance Accessory	LGMV	PRCTI10 	LGMV data monitoring via Personal Computer	105 x 78 x 36	<ul style="list-style-type: none"> <li>Length of cable : 1m (3m extension cable is included)</li> <li>RS232(ODU), RS485(IDU) support</li> <li>USB type of connection are possible.</li> </ul>

Category	Connected device	Installation Method	Feature
Maintenance Accessory	PC Program  	<ul style="list-style-type: none"> <li>Web Install               <ul style="list-style-type: none"> <li>Connect to homepage (<a href="http://partner.lge.com">http://partner.lge.com</a>) and select HVAC category then downloaded installation file on software menu.</li> </ul> </li> <li>Automatic Install               <ul style="list-style-type: none"> <li>The accessory application program supports for automatic updates.</li> </ul> </li> <li>CD Install               <ul style="list-style-type: none"> <li>It can be installed on from CD.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Minimum Specification               <ul style="list-style-type: none"> <li>Windows XP</li> <li>MS Office 2003</li> </ul> </li> <li>Recommended Specification               <ul style="list-style-type: none"> <li>Windows7 (Win10 is possible)</li> <li>MS Office 2007</li> </ul> </li> <li>Resolution               <ul style="list-style-type: none"> <li>2048 x 1536 (optimization)</li> <li>1024 x 768</li> </ul> </li> <li>Basic specification               <ul style="list-style-type: none"> <li>CPU 1 GHz</li> <li>RAM 1 GB</li> </ul> </li> </ul>

- If you need more detail, please refer to the Control PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

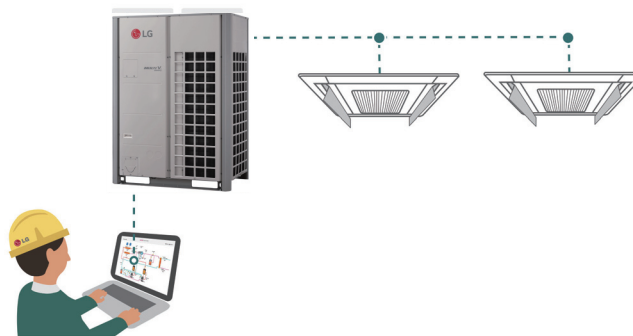
## 2. Control System List

### Outline of system



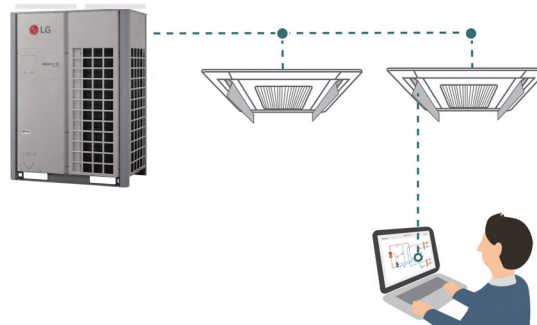
#### 1. Outdoor connection

Connect LGMV cable to Multi V PCB LGMV port




#### 2. Indoor unit connection


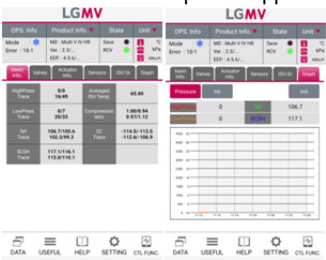
Connect LGMV cable to Multi V Indoor unit communication port



- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Control System List

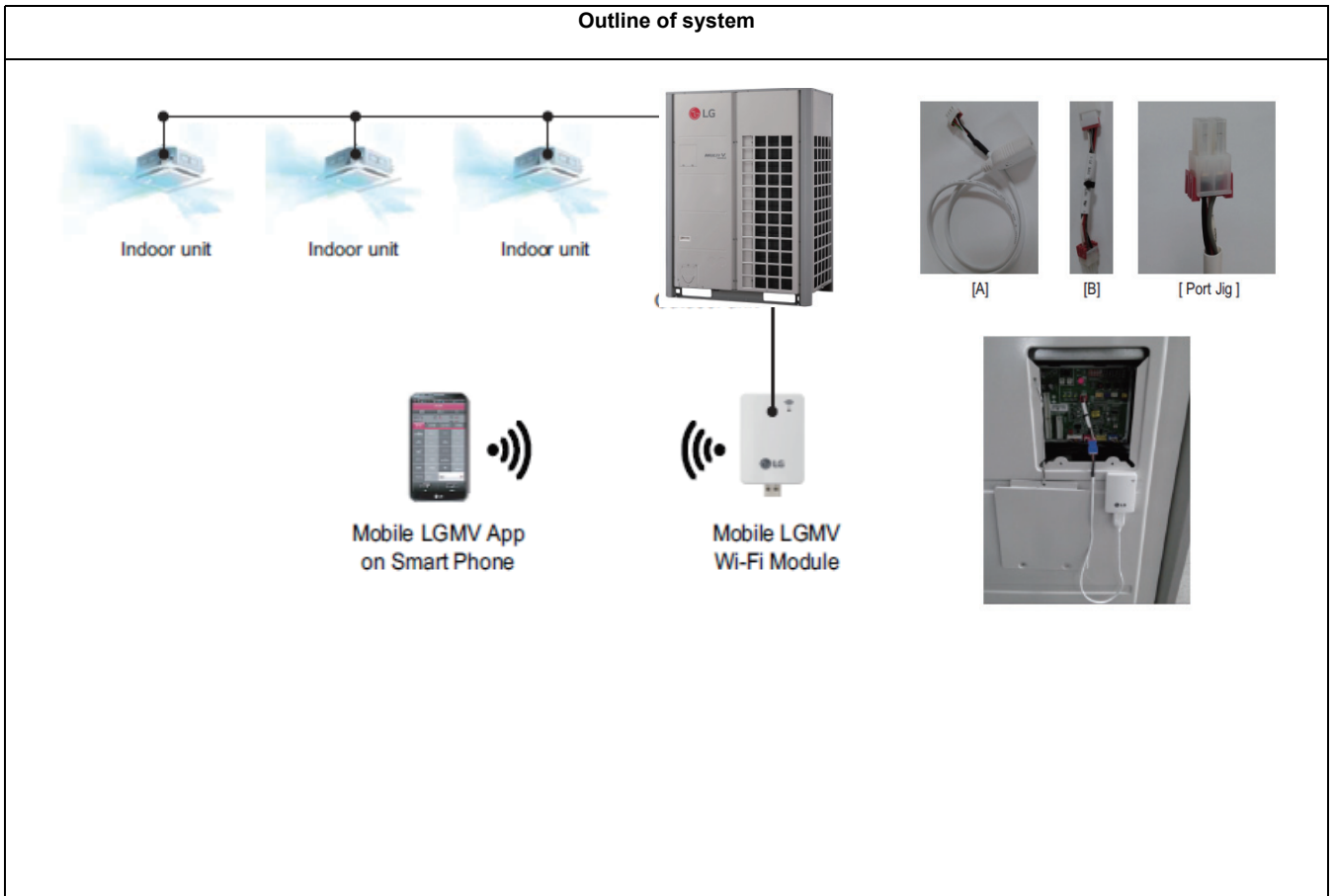
Category	Controller name	Model name	Objective /Use	Dimensions (W x H x D, mm)	Feature
Maintenance Accessory	Mobile LGMV	<p>PLGMVW100</p> 	LGMV monitoring via mobile device	48 x 78 x 14.5	<ul style="list-style-type: none"> <li>The effective distance for wireless communication is 10m</li> <li>The effective distance may be reduced by the communication environment.</li> </ul>

Category	Connected device	Installation Method	Feature
Maintenance Accessory	<p>iOS App. (iPad only)</p> 	<p>Tap the app Store icon on the screen. And then Search 'mobile lgmv'</p>	<ul style="list-style-type: none"> <li>Minimum Specification                             <ul style="list-style-type: none"> <li>iOS 7.1</li> </ul> </li> <li>Recommended Specification                             <ul style="list-style-type: none"> <li>iOS 7.1/8.0/8.1</li> </ul> </li> <li>Resolution                             <ul style="list-style-type: none"> <li>2048 x 1536 (optimization)</li> <li>1024 x 768</li> </ul> </li> </ul>
	<p>Android mobile phone App.</p> 	<p>Tap the Play Store icon on the screen. And then Search 'mobile lgmv'</p>	<ul style="list-style-type: none"> <li>Basic specification                             <ul style="list-style-type: none"> <li>Phone: Android OS 2.2</li> <li>Pad: Android 4.4.2(Kitkat)</li> <li>CPU 1 GHz</li> <li>RAM 1 GB</li> </ul> </li> <li>Recommended Specification                             <ul style="list-style-type: none"> <li>Android OS 4.4.2(Kitkat) or higher, CPU 1 GHz Dual Core or higher, RAM 1 GB or higher 1280 x 720, 800 x 480 resolution (Optimized)</li> </ul> </li> </ul>

- If you need more detail, please refer to the Control PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Control System List

### Outline of system









- If you need more detail, please refer to the Control PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))



## 3. Function List





### Individual Controller

Controller Name		Premium Wired Remote Controller	Standard Wired Remote Controller		Simple Wired Remote Controller	Simple Wired Remote Controller	Wireless Remote Controller
Product Image							
Model Name		PREMTA000 PREMTA000A PREMTA000B	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01	PQRCVCL0Q PQRCVCL0QW	PQRCHCA0Q PQRCHCA0QW	PQWRHQ0FDB
Basic	On / Off	O	O	O	O	O	O
	Fan Speed Control	O	O	O	O	O	O
	Temperature Setting	O	O	O	O	O	O
	Mode Change	O	O	O	O	X	O
	Auto Swing	O	O	O	O	O	O
	Vane Control (Louver Angle)	O	O	O	O	O	O
	E.S.P (External Static Pressure)	O	O	O	O	O	X
	Electric Failure Compensation	O	O	O	O	O	X
	Indoor Temperature Display	O	O	O	O	O	O
	ALL Button Lock (Child Lock)	O	O	O	O	O	X
Advanced	Schedule / Timer	O	O	O	X	X	O
	Additional Mode Setting*	O	O	O	X	X	X
	Time Display	O	O	O	X	X	O
	humid. Display	O	O	X	X	X	X
	Advanced Lock (mode, set point, set point range, on/off Lock)	Advanced Lock	Advanced Lock	Mode Lock	X	X	X
	Filter Sign	O	O	O	X	X	X
	EnergyManagement **	O	O	O	X	X	X
	Dual Set point	O	O	X	X	X	X
	Human Detection	X	O	X	X	X	X
	Temp, Humidity compensation	O	O	X	X	X	X
	Wifi AP mode setting	O	O	O	O	O	O
ETC	Operation StatusLED	O	O	O	O	O	X
	Wireless Remote Controller Receiver	O***	X	O***	O***	O***	X
	Display	5 inch Color Display	4.3 inch Color Display	4.3 inch mono Display	2.6 inch mono Display	2.6 inch mono Display	2 inch mono Display
	Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	120 x 120 x 15	64 x 120 x 15	64 x 120 x 15	51 x 153 x 26
	Black Light Control for Screen Saver	O	O	X	X	X	X

- O : Applied X : Not applied
- \* It might not be indicated or operated at the partial product
- \*\* Centralized control (PACS5A000 / PACS4B000 / PACP5A000 / PACP4B000 / PQNFB17C0 / PLNWKB000) and PDI (PQNUD1S40 / PPWRDB000) should be installed for this function
- \*\*\* For ceiling type duct
- Indoor unit should have functions requested by the controller
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))





## 3. Function List

### ■ Central Controller

Controller Name	AC Ez	AC Ez touch	AC Smart IV	AC Smart 5 <sup>2)</sup>
Product Image				
Model Name	PQCSZ250S0	PACEZA000	PACS4B000	PACS5A000
Maximum Number of Indoor Units	32	64	128	128
Individual / Group Control (On & Off, Mode, Set Point, Fan Speed)	O	O	O	O
Individual Controller Lock	O (All)	O (Temperature, Mode, Fan, All)	O (Temperature, Mode, Fan, All)	O (Temperature, Mode, Fan, All)
Error Check	O	O	O	O
Mode Change	O	O	O	O
Schedule	8 Event	Daily, Weekly, Monthly, Yearly, Exception day	Daily, Weekly, Monthly, Yearly, Exception day	Daily, Weekly, Monthly, Yearly, Exception day
Operation History	X	X	O	O
Visual Navigation	X	X	O	O
Operation Time Limit	X	X	O	O
Temperature Limit	X	O	O	O
Remote Access <sup>1)</sup>	X	PC SW	Web	Web
Auto Changeover / Setback	X	O	O	O
Power Consumption Monitoring (with PDI)	X	O	O	O
Energy navigation	X	X	O	O
Interlock Control	X	X	O	O
Virtual Group Control	X	X	O	O
Emergency Alarm Display	X	O	O	O
ACS I/O Module Interlocking	X	X	O	O
External IO Port No.	X	DI 1EA	DI 2EA DO 2EA	DI 2EA DO 2EA
Connectable Products	Air conditioner ERV ERV DX	Air conditioner ERV ERV DX Hydro kit	Air conditioner ERV ERV DX Hydro kit AHU Chiller*	Air conditioner ERV ERV DX Hydro kit AHU Chiller*

- O : Applied    X : Not applied
- 1) Assignment of public IP address is required to access central controller through internet.
- 2) Without additional device, ACP 5 and AC Smart 5 provide BACnet IP and Modbus TCP interface for BMS.
- \* It needs to apply Chiller Option KIT.
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

### 3. Function List

Controller Name	ACP IV	ACP 5 <sup>2)</sup>	AC Manager IV	AC Manager 5
Product Image				
Model Name	PACP4B000	PACP5A000	PACM4B000	PACM5A000
Maximum Number of Indoor Units	256	256	8,192	8,192
Individual / Group Control (On & Off, Mode, Set Point, Fan Speed)	O	O	O	O
Individual Controller Lock	O (Temperature, Mode, Fan, All)	O (Temperature, Mode, Fan, All)	O (Temperature, Mode, Fan, All)	O (Temperature, Mode, Fan, All)
Error Check	O	O	O	O
Mode Change	O	O	O	O
Schedule	Daily, Weekly, Monthly, Yearly, Exception day	Daily, Weekly, Monthly, Yearly, Exception day	Daily, Weekly, Monthly, Yearly, Exception day	Daily, Weekly, Monthly, Yearly, Exception day
Operation History	O	O	O	O
Visual Navigation	O	O	O	O
Operation Time Limit	O	O	O	O
Temperature Limit	O	O	O	O
Remote Access <sup>1)</sup>	Web	Web	PC SW	Web
Auto Changeover / Setback	O	O	O	O
Power Consumption Monitoring (with PDI)	O	O	O	O
Energy navigation	O	O	X	O
Interlock Control	O	O	O	O
Virtual Group Control	O	O	O	O
Emergency Alarm Display	O	O	O	O
ACS I/O Module Interlocking	O	O	O	O
External IO Port No.	DI 10EA DO 4EA	DI 10EA DO 4EA	X	X
Connectable Products	Air conditioner ERV ERV DX Hydro kit AHU Chiller*	Air conditioner ERV ERV DX Hydro kit AHU Chiller*	Air conditioner ERV ERV DX Hydro kit AHU Chiller*	Air conditioner ERV ERV DX Hydro kit AHU Chiller*

- O : Applied    X : Not applied
- 1) Assignment of public IP address is required to access central controller through internet.
- 2) Without additional device, ACP 5 and AC Smart 5 provide BACnet IP and Modbus TCP interface for BMS.
- \* It needs to apply Chiller Option KIT.
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 4. Accessory Compatibility List

Product		Model name	ETC	Compatibility
Wireless Remote Controller	-	PQWRH(C)Q0FDB	-	○
Wired Remote Controller	Simple	PQRCVCL0Q(W)	Simple	○*
		PQRCHCA0Q(W)	for Hotel	○*
	Standard	PREMTB001	Standard II (White)	○
		PREMTBB01	Standard II (Black)	○
		PREMTB100	Standard III (White)	○
		PREMTBB10	Standard III (Black)	○
Premium	PREMTA000(A/B)	Premium	○**	
Dry contact	Simple Contact	PDRYCB000	Simple Dry Contact	○
	Communication type	PDRYCB400	2 Points Dry Contact (For Setback)	○
		PDRYCB300	Dry Contact For 3rd Party Thermostat	○
		PDRYCB500	Dry Contact For Modbus	○
	IO Module	PQDSBCDVM0	Demand controller for MULTI V III	X
		PVDSMN000	Demand controller From MULTI V IV series	○
	Variable Water Flow Control kit	PRVC0	For MULTI V WATER II	X
PWFCKN000		For MULTI V WATER IV	○	
Gateway	IDU PI485	PHNFP14A0	Without Case	X
		PSNFP14A0	With Case	X
	ODU PI485	PMNFP14A1	PI 485 Gateway	X
	Cool/Heat Selector	PRDSBM	For MULTI V Heat Pump / Mode lock (Cool/Heat/Fan)	○
	Low Ambient Kit	PRVC2	From MULTI V IV series	○
	AHU Comm. Kit	PAHCMR000	Return Air Temperature Control	○
		PAHCMS000	Discharge Air Temperature Control	○
	Water Comm. Kit	PAHCMW000	Water Communication Module	○
	BACnet	PQNFB17C0	ACP BACnet	○
	Lonworks	PLNWKB000	ACP Lonworks	○
	Modbus	PMBUSB00A	Modbus RTU	○
Cloud Gateway	PWFMDB200	Cloud Gateway	○	
Central Controller	Simple	PQCSZ250S0	AC Ez	○
	AC Ez Touch	PACEZA000	AC Ez Touch	○
	AC Smart	PACS4B000	AC Smart IV	○
		PACS5A000	AC Smart 5	○
	ACP	PACP4B000	ACP IV	○
		PACP5A000	ACP 5	○
	AC Manager	PACM5A000	AC Manager 5	○***
ETC	Remote Temperature Sensor	PQRSTA0	-	○
	Zone Controller	ABZCA	-	X
	CO <sub>2</sub> Sensor	AHCS100H0	For ERV, ERV DX Indoor units (Internal type)	○
	Group Control Wire	PZCWRCG3	0.25m	-
	2-Remo Control Wire	PZCWRC2	0.25m	-
	Extension Wire	PZCWRC1	10m	-
	Wi-Fi Controller*	PWFMDDB200	-	○
	PDI	PPWRDB000	PDI Standard	○
		PQNUD1S40	PDI Premium	○
	ACS I/O Module	PEXPMB000	-	-

- ○: Possible X: Impossible - : Not applicable
- \* It is possible basic function only. (Refer [Function List – Individual Controller])
- \*\* It isn't possible some function
- \*\*\* PACS4B000, PACP4B000, PACS5A000, PACP5A000, PQNFB17C0 or PLNWKB000 is needed.
- 1) This product is provided by INTESIS.
- If you need more detail, please refer to the Control PDB or the manual of product.  
(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 4. Accessory Compatibility List

### ■ E.O.L Model <sup>1)</sup>

Product		Model name	ETC	Compatibility
Wireless Remote Controller	-	PQWRH(C)DF0	-	○
Wired Remote Controller	Standard	PQRCVSL0	RS2 Wired (black)	○*
		PQRCVSL0QW	RS2 Wired (White)	○*
Dry contact	Simple Contact	PQDSA	-	○
		PQDSA(1)	-	○
		PQDSB(1)	-	○
	Communication type	PQDSBC	-	○
		PQDSBNGCM1	-	○
		PQDSBCGCD0	Dry Contact for Thermostat	○
		PQDSBC1	-	○
Central Controller	Simple	PQCSB101S0	Simple central controller	○
		+ PQCSC101S0	Function controller	○**
		+ PQCSD130A0	Function Scheduler	○**
	AC Smart	PQCSW320A1E	AC Smart II	○
		+ PQCSE341A0	Option Kit	○***
		+ PQCSE342A0	Option Kit	○***
		+ PQCSE440U0	Expansion Kit	○***
	ACP	PQCSW421E0A	AC Smart Premium	○
		PQCPA11A0E	ACP without IO	○
		PQCPC22N0	ACP Standard	○
		PQCPB11A0E	ACP with IO	○
	AC Manager	PQCPC22A0	ACP Premium	○
		PQCSS520A0E	AC Manager	○****
		PQCSSA21E0	AC Manager Plus	○****
		PACM4B000	AC Manager IV	○****
Gateway	ODU PI485	PMNFP14A0	PI 485 Gateway	X
		PV485N000	PI 485 Gateway (For Multi V IV)	X
	Low Ambient Kit	AQLA	-	X
	BACnet	PQNFB17B0	BACnet Gateway	○
	Lonworks	PQNFB16A1	Lonworks Gateway	○
ETC	PDI	PQNUD1S00	PDI	○
	Telecom Shelter Controller	PQCSA001T0	-	○
	Electronic Thermostat	AQETC	-	○
	CTI	PKFC0	-	○
	CO <sub>2</sub> Sensor	PES-C0RV0	For ERV, ERV DX Indoor units (External type)	○
	DO KIT	PQNFP00T0	-	-

- O: Possible X: Impossible
- \* It isn't possible some function.
- \*\* PQCSB101S0 is needed.
- \*\*\* PQCSW320A1E is needed.
- \*\*\*\* ACP is needed.
- 1) E.O.L Model has been discontinued, so stock is subject to availability.

## 5. Centralized Controller Compatibility List

### Compatibility between Controllers

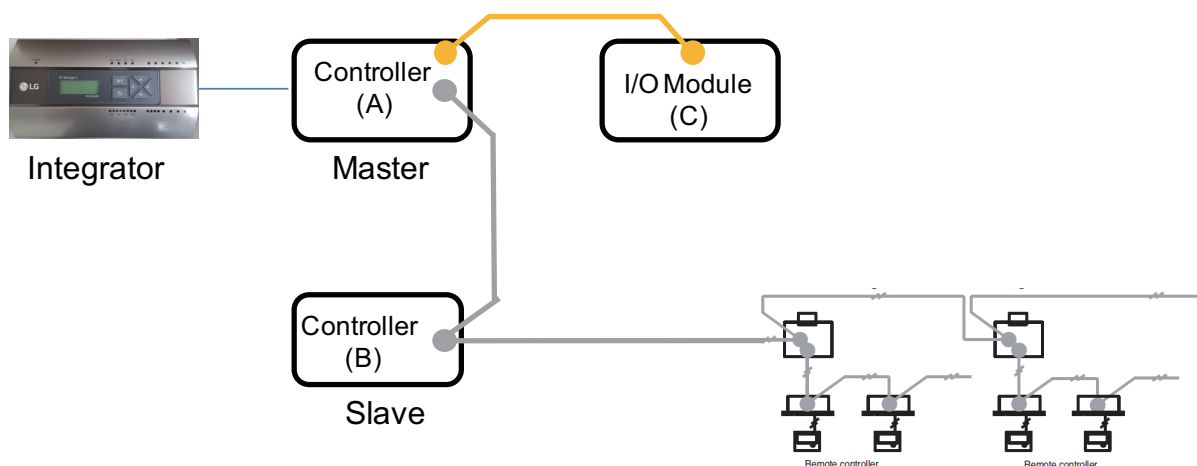
Master (A)	Slave (B)							
	AC Ez	AC Ez Touch	AC Smart IV AC Smart 5	ACP IV ACP 5	ACP BACnet	ACP Lonworks	PDI	Cloud Gateway
AC Ez	○	X	X	X	X	X	X	X
AC Ez Touch	○	○	X	X	X	X	○	X
AC Smart IV, AC Smart 5	○	○	○	X	X	X	○	X
ACP IV, ACP 5	○	○	○	X	X	X	○	X
ACP BACnet	○	○	○	X	X	X	○	X
ACP Lonworks	○	○	○	X	X	X	○	X
PDI	X	X	X	X	X	X	X	X
Cloud Gateway	○	X	X	X	X	X	X	X

### Compatibility with Integrator

Integrator	Controller							
	AC Ez	AC Ez Touch	AC Smart IV AC Smart 5	ACP IV ACP 5	ACP BACnet	ACP Lonworks	PDI	Cloud Gateway
AC Manager IV	X	X	○	○	○	○	X	X
AC Manager 5	X	X	○	○	○	○	X	X

### Compatibility with IO Module

IO Module (C)	Controller								
	AC Ez	AC Ez Touch	AC Smart IV AC Smart 5	AC Smart BACnet	ACP IV ACP 5	ACP BACnet	ACP Lonworks	PDI	Cloud Gateway
ACS I/O Module	X	X	○	○ <sup>1)</sup>	○	○ <sup>1)</sup>	○ <sup>1)</sup>	X	X



- If you need more detail, please refer to the Control PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))
- 1) This Function is possible to use in Web Only. (BMS Point is not applied)





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