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# MULTI SPLIT SYSTEM AIR CONDITIONERS

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**Come home to comfort with LG**



## Come Home To Comfort with LG air conditioners

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LG makes life good by connecting with the real needs and desires of our customers and innovating around them. We passionately believe in improving the day-to-day lives of Australians via forward-thinking technological advancement.

### Why LG Air Conditioning

Designed for the way you live, our air conditioners are available in a wide range of styles - so you can create a space that's cool, comfortable and stylish.

## LG Multi-Split Systems Heat or cool multiple rooms in your home

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LG Multi split system provides powerful, efficient cooling and heating with two, three, four, or up to nine indoor units operating off a single outdoor unit.

LG's advanced inverter technology brings powerful performance while remaining energy efficient. Multi split systems use less space than installing individual single split systems.






A variety of sleek and elegant indoor units are available in a full range of capacities for all room sizes.

Installation is easy and it offers various convenient functions for easy maintenance.








# MODEL LINE-UP

## OUTDOOR UNITS

Type kW	MULTI F (Multi Piping)	Connectable Indoor Units		Phase	Combination Sample
		Max. Indoor units	Max. Total Capacity Index (kW)		
5.3		3	8.79	1ø	
	UHXM55MA1				
7.0		4	11.42	1ø	
	UHXM70MA1				
8.8		5	15.81	1ø	
	UHXM90MA1				
11.2		5	21.08	1ø	
	UHXM110MA1				

## INDOOR UNITS

Type kW	Wall Mounted	
	Standard	
2.1		MS07AH2
2.6		MS09AH2
3.5		MS12AH2
5.3		MS18AH2
7.0		MS24AH2

# FUNCTION SPECIFICATIONS

Category		Multi F			
kBTu/h		18	24	30	38
kW		5.27	7.03	8.79	11.2
Energy Efficiency	BLDC Comp & Fan Motor	•	•	•	•
	Wide Louver Plus Fin	•	•	•	•
	Optimised Heat Exchanger Path	•	•	•	•
	Smart Load Control	•	•	•	•
	Peak Current Control	•	•	•	•
	Standby Mode	•	•	•	•
	Mode Lock	•	•	•	•
Durability	Twin Rotary Compressor	•	•	•	•
	Smart Sensor Pressure Control	•	•	•	•
Comfort & Convenience	Fast Cooling & Heating	•	•	•	•
	Silent Night Operation	•	•	•	•
	Wiring Error Check	•	•	•	•
	Monitoring PCB	•	•	•	•
	LG MV	•	•	•	•
	Forced Cooling Operation	•	•	•	•

## KEY FEATURES

# SMART

## Built-in Wi-Fi Smart Control

The LG Smart ThinQ App lets you access and control your air conditioner with your smartphone\* even when you're not at home.

MS Series: in built WiFi feature (MS09, MS12, MS18, MS24)



\* Product Registration using both LG Smart ThinQ app & Google app is required. Internet, Wi-Fi connection and Google account required. Data usage may apply. Controlling devices and features requires compatible smart devices. Features and services may be changed without notice. Google is a trademark of Google LLC.



I Controlling & Monitoring I



I Smart Diagnosis & Filter Manager I



I Integrated Home Appliances Control I



# ENERGY EFFICIENCY

## Energy Efficiency

The advanced technologies of LG achieve low energy consumption regarding SEER.

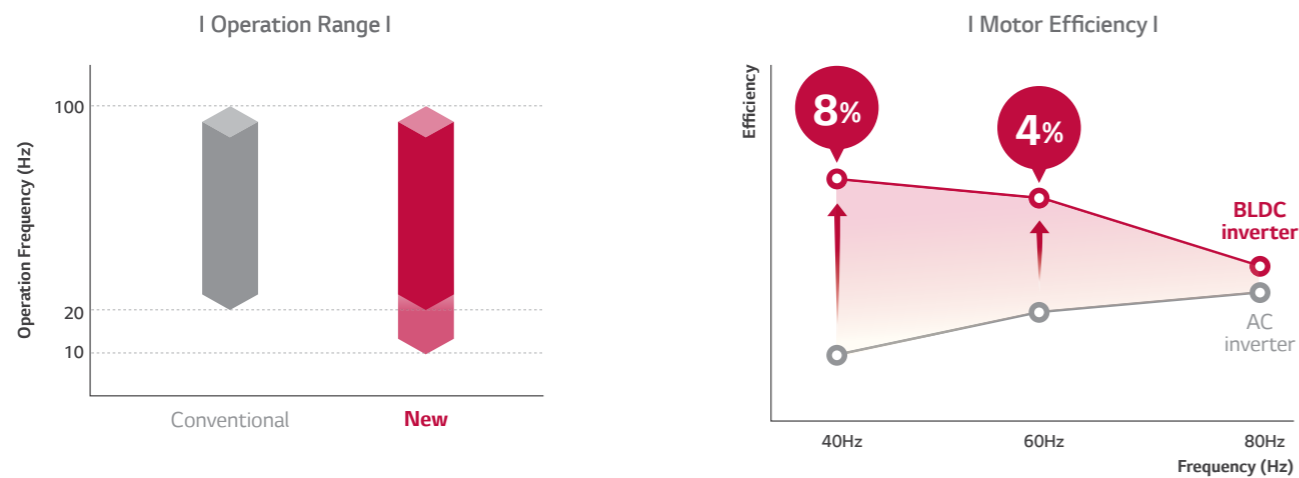


### High Efficiency SEER

- BLDC Inverter Twin Rotary Compressor
- Enhanced Heat Exchanger
- Smart Load Control
- Peak current control

## Powerful BLDC (Brushless Direct Current Motor) Compressor

LG air conditioners are equipped with a BLDC Inverter Twin Rotary Compressor that uses a neodymium magnetic core. The compressor has high efficiency and reliability, because it is excellent in controlling the operating speed depending on the load. The compressor has improved efficiency compared to standard AC inverter products and optimised for changes of outdoor load, and seasonal efficiency.

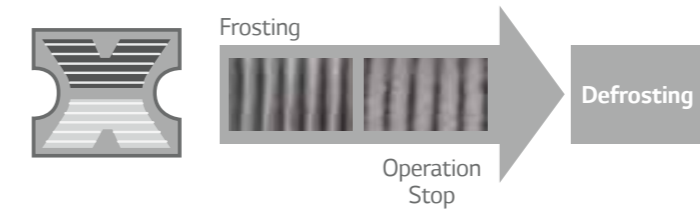


# ENERGY EFFICIENCY

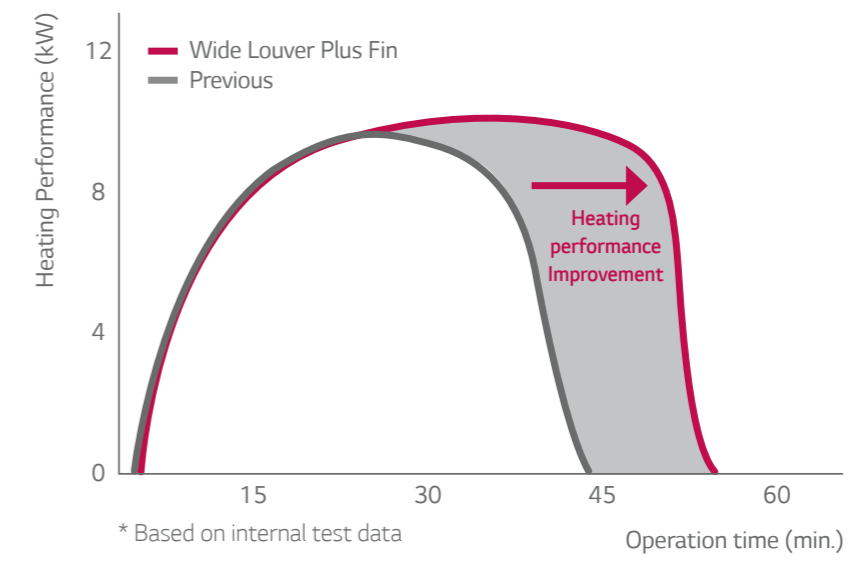
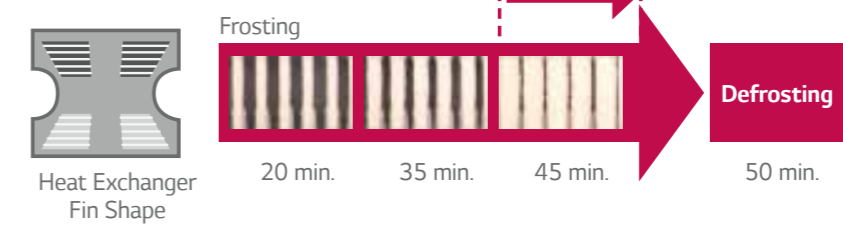
## Wide Louver Plus Fin

Wide Louver Plus fin technology increases full load heating performance by 11% and 6% with COP compared to conventional fins. It can also slow down the frosting on the heat exchanger and delay the start of defrosting mode.

### Previous LG model



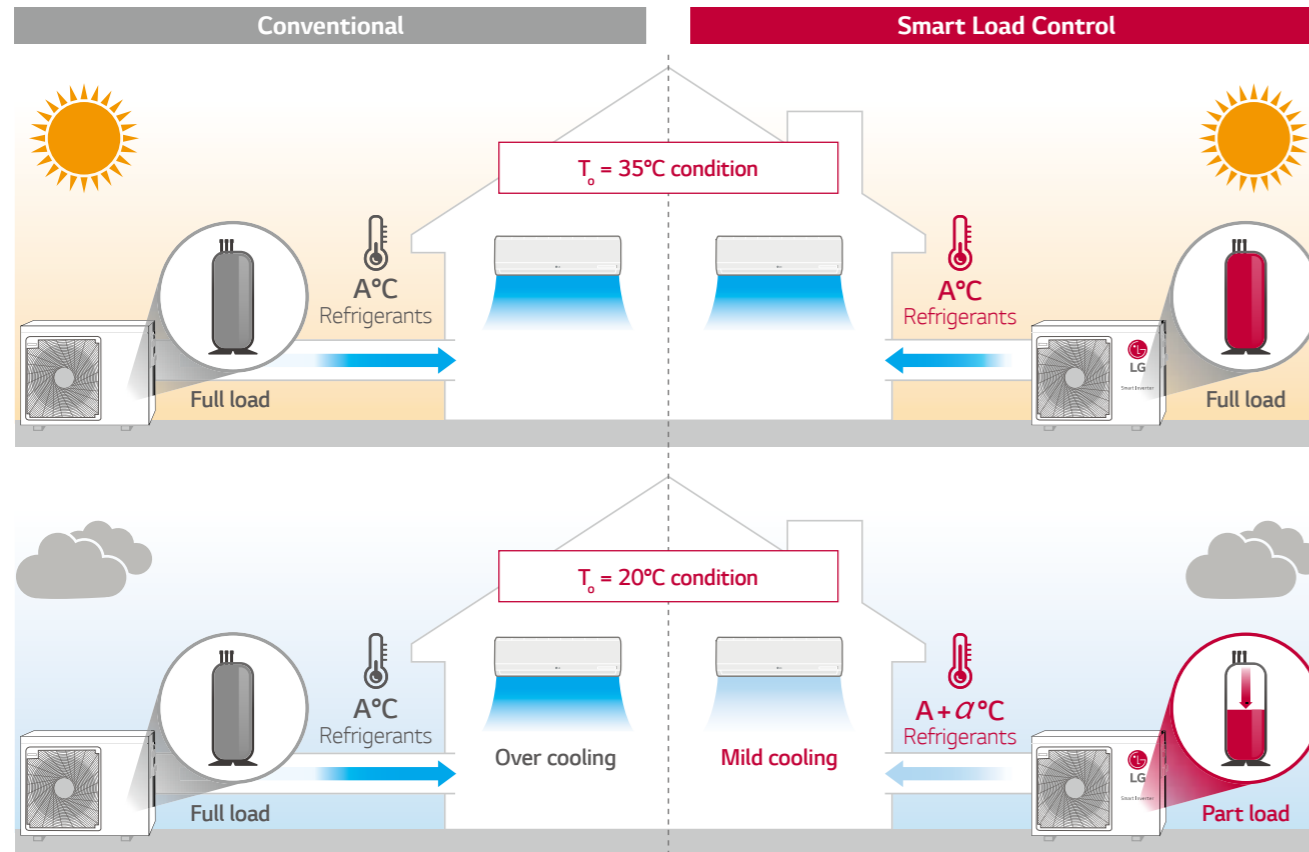
### Wide Louver Plus



# ENERGY EFFICIENCY

## Smart Load Control

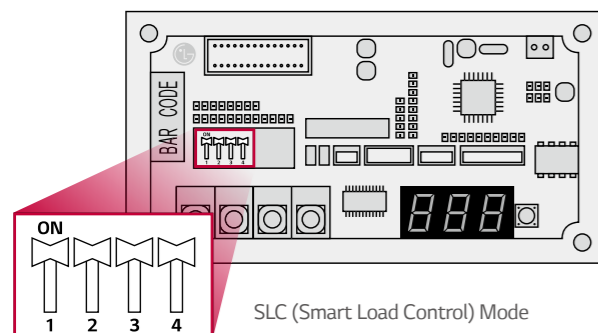
To save operation energy, it automatically controls the refrigerant temperature according to outside temperature.



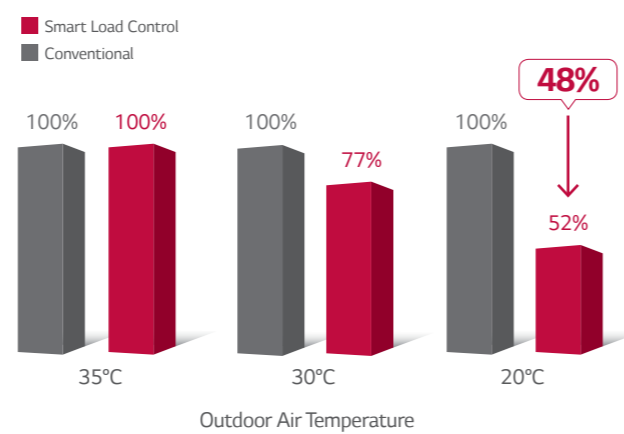
\* T<sub>o</sub>: Outdoor temperature  
\* A is the indoor unit coil temperature

### I How to set Dip Switch I

To operate smart load control, dip switch setting is required. It can help save energy during real time operation.



### I Real Time Energy Saving I

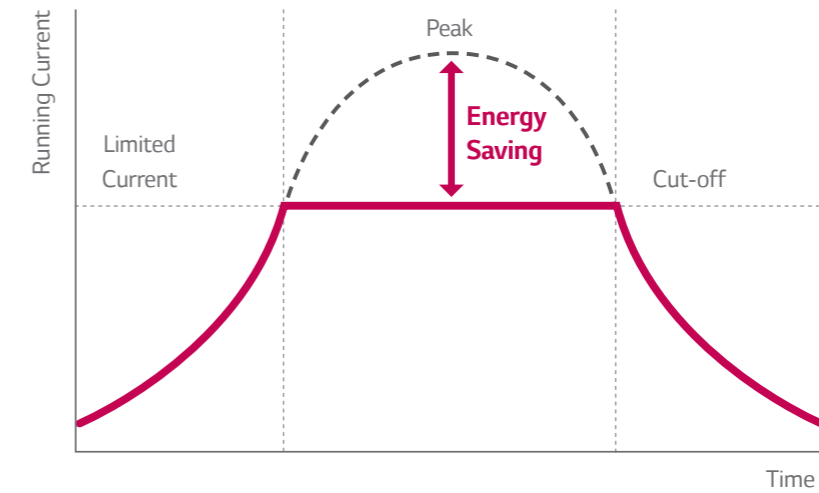


\*Tested model 6.2kW.

# ENERGY EFFICIENCY

## Peak Current Control (optional setting)

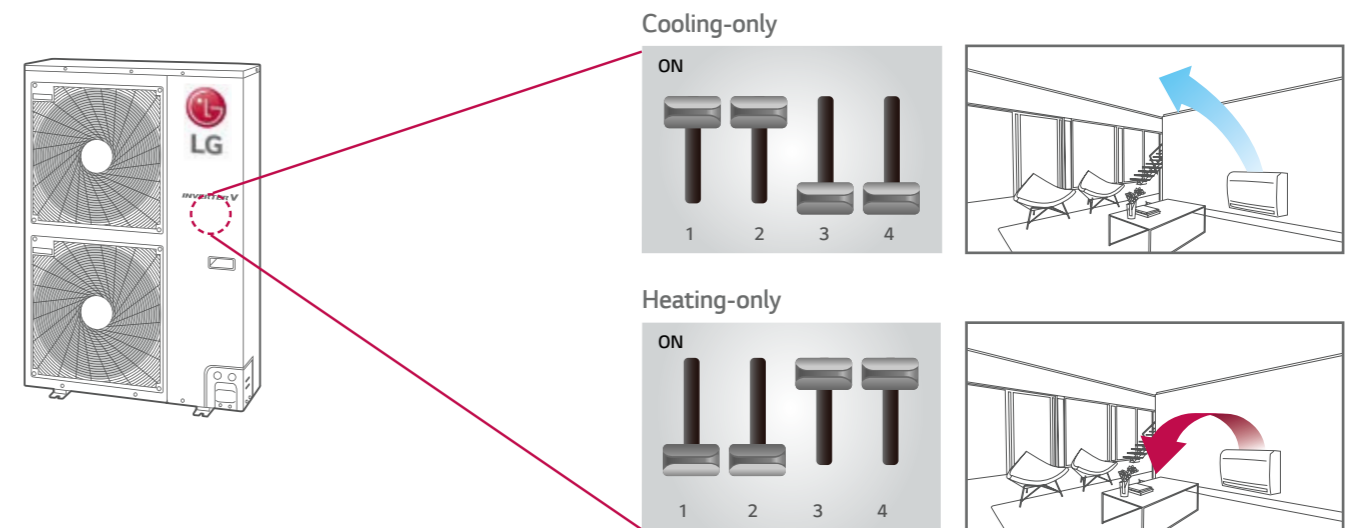
The peak current control function limits the air conditioner from running at the maximum level thus improving operating efficiency to help reduce energy consumption.



\*This function is not user adjustable, please contact your nearest AC installer.

## Mode Lock

Set the operation mode to either cooling-only or heating-only by adjusting the dip switch inside the unit. This will help prevent the mixed use of cooling and heating.

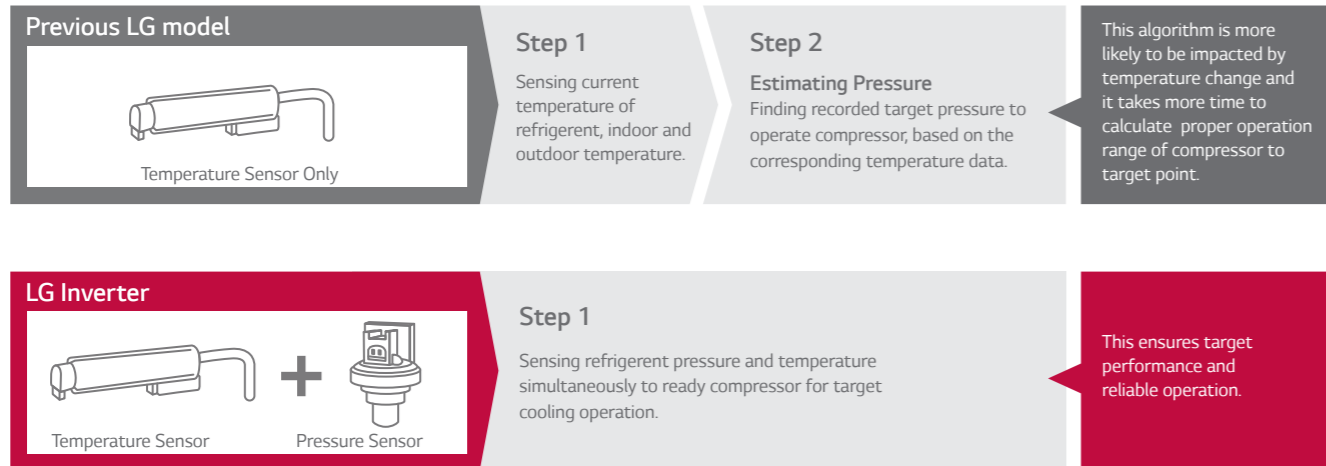


\* Applied to all MULTI outdoors

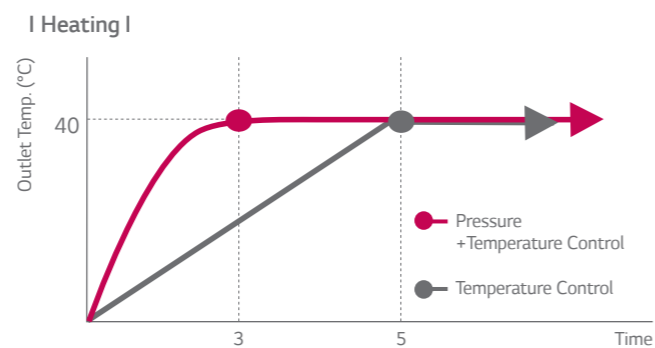
\*This function is not user adjustable, please contact your nearest AC installer.

# QUICK COOLING & HEATING

## Quick Operating Response



Using both pressure and temperature sensors improves control accuracy and stability resulting in a quick operating response time.

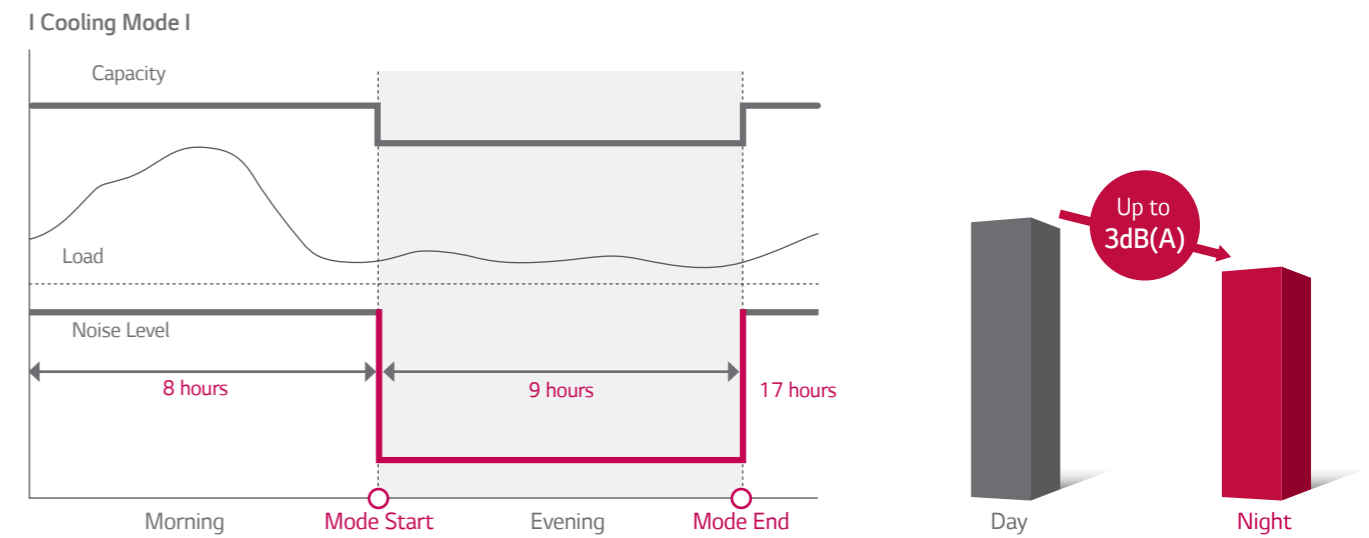


\* Based on internal test data

# QUIET & COMFORTABLE

## "Night Quiet" Operation

Night Quiet operation can reduce noise levels at night time by setting the dip switch on the PCB in the outdoor unit\*.



\*This function is not user adjustable, please contact your nearest AC installer.

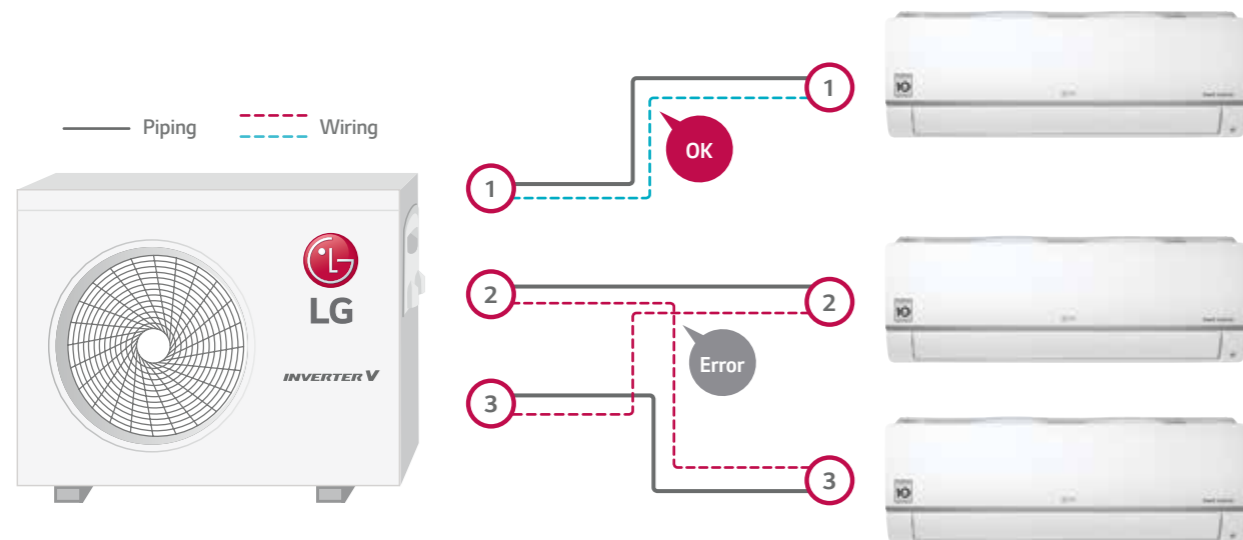


# EASY INSTALLATION & MAINTENANCE

## Wiring Error Check (UHXM55MA1, UHXM70MA1, UHXM90MA1, UHXM110MA1)

Installers can check whether the transmission cable has been connected correctly by using the wiring error check function. The wiring error check can reduce the time taken to check for transmission cable errors.

I Check with Outdoor PCB : When error → LED is turned on I



# EASY INSTALLATION & MAINTENANCE

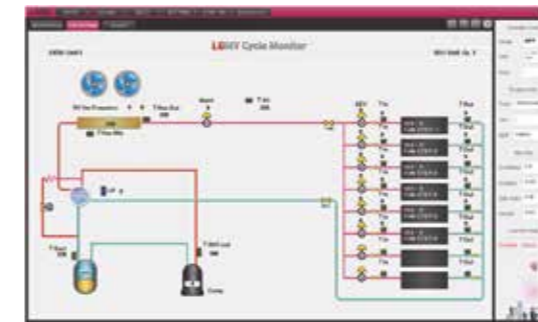
## LG MV (Monitoring View)

LG MV helps technicians inspect and monitor air conditioning units easily. Information is provided by product type. (Single Split & Multi Split)



- IDU info.
- Cycle & valves
- Actuator info.
- Sensors & Electric
- ODU info.

LG MV provides cycle information with diagrams and the technicians can check accumulated data on a graph.



A manager can easily check the error status by looking at the indicator information (Troubleshooting guide)

Error indicator

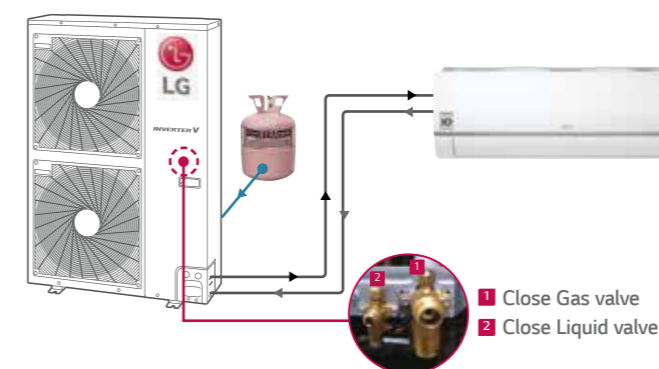
Error Code	Contents
01	Air temperature sensor of indoor unit
02	Inlet pipe temperature sensor of indoor unit
03	Communication error : wired remote controller ↔ indoor unit

⋮

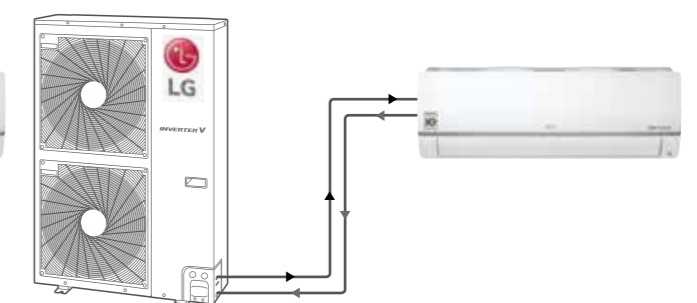
## Pump Down Mode

The forced cooling operation allows refrigerant to be recharged or pumped down, regardless of the indoor temperature. More importantly this function can be used when indoor units are being repaired.

I Recharging I



I Pump Down I





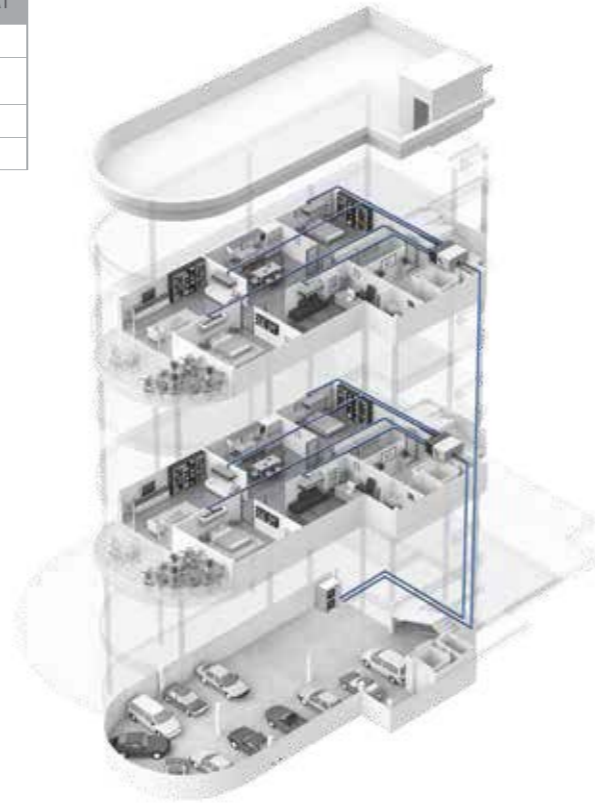
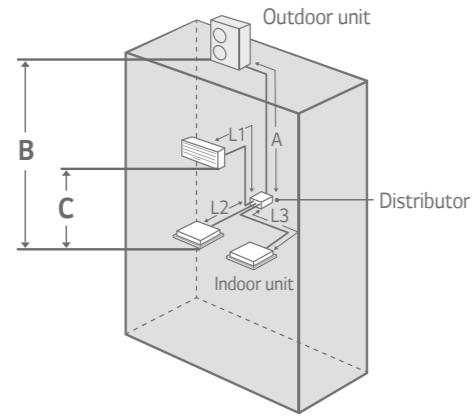
# FLEXIBLE COMBINATION

# OUTDOOR UNITS

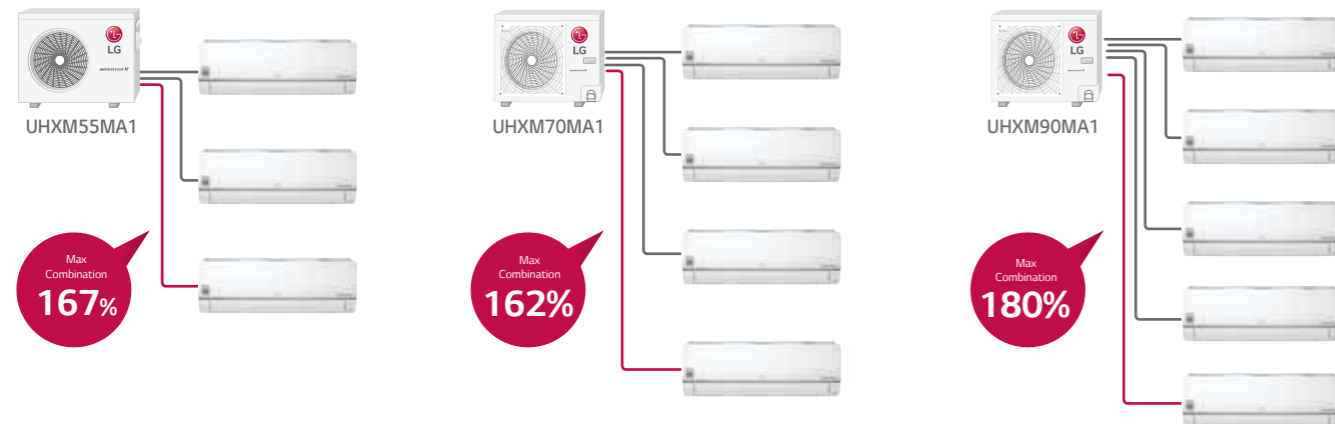
## Long and High Elevation Piping

I Multiple Piping Type I

(m)		UHXM55MA1	UHXM70MA1	UHXM90MA1	UHXM110MA1
Total Piping Length		50	70	75	85
Piping Length per Branch		25	25	25	25
Max. Elevation	Indoor-Outdoor	15	15	15	15
	Indoor-Indoor	7.5	7.5	7.5	7.5



## Indoor Capacity Combination



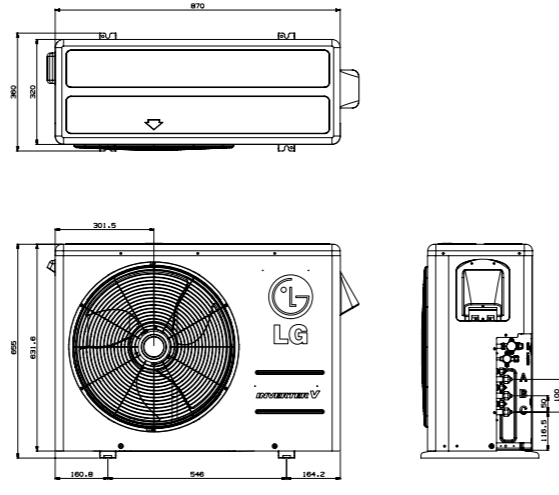
• UHXM110MA1 : 180%



# SPECIFICATIONS

## UHXM55MA1

MULTI F



(Unit : mm)

Outdoor Unit				UHXM55MA1
Compressor	Type			Twin Rotary
Capacity *	Cooling	Min/Norm/Max	kW	1.35/5.27/6.33
	Heating	Min/Norm/Max	kW	1.41/6.33/7.27
Power Input *	Cooling	Min/Norm/Max	kW	0.14/1.29/2.08
	Heating	Min/Norm/Max	kW	0.18/1.53/2.64
Running Current	Cooling	Min/Norm/Max	A	0.6/6.0/9.0
	Heating	Min/Norm/Max	A	0.8/7.0/11.5
EER				4.57
COP				4.15
Airflow Rate	Norm	m <sup>3</sup> /min		31
		I/S		517
Sound Pressure	Cooling	Norm	dBa	50
	Heating	Norm	dBa	52
Dimensions	WxHxD			870x655x320
Net Weight				45.0
Refrigerant	Type			R410A
	Charge	g		1,700
	Additional Charge	g/m		20
Operation Range (Outdoor)	Cooling	Min-Max	°C DB	-10-48
	Heating	Min-Max	°C WB	-18-18
Power Supply				1/220-240/50
Power Supply Cable				No.xmm <sup>2</sup> 3C×2.5
Transmission Cable				No.xmm <sup>2</sup> 4C×0.75
Circuit Breaker				A 20
Piping Length Total				m 50
Piping Length per Branch	Max		m	25
Piping Elevation Difference	IDU-ODU	Max	m	15
	IDU-IDU	Max	m	7.5
Piping Connection	Liquid	mm(inch)×No.		ø 6.35 (1/4)×3
	Gas	mm(inch)×No.		ø 9.52 (3/8)×3

Notes :

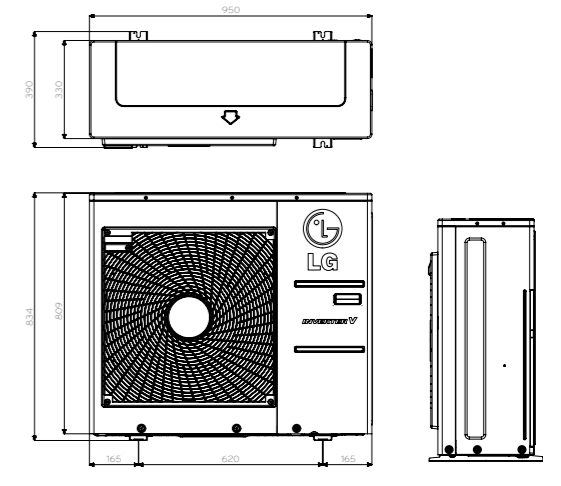
- 1 Capacities are based on the following conditions:  
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB  
- Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB  
Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB  
- Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length - Interconnecting Piping Length 7.5m  
- Level Difference of Zero.

- 2 \* : See page "Combination Table".
- 3 Due to our policy of innovation some specifications may be changed without notification.
- 4 At least two indoor units should be connected.
- 5 Minimum combination capacity rate should be more than 40%.

# SPECIFICATIONS

## UHXM70MA1 / UHXM90MA1

MULTI F



(Unit : mm)

Outdoor Unit				UHXM70MA1	UHXM90MA1
Compressor	Type			Twin Rotary	Twin Rotary
Capacity *	Cooling	Min/Norm/Max	kW	1.32/7.03/8.5	1.32/8.79/10.6
	Heating	Min/Norm/Max	kW	1.45/8.44/9.38	1.47/10.1/12.1
Power Input *	Cooling	Min/Norm/Max	kW	0.44/1.67/2.59	0.44/2.20/3.3
	Heating	Min/Norm/Max	kW	0.5/1.80/2.99	0.5/2.20/3.7
Running Current	Cooling	Min/Norm/Max	A	2.0/7.2/11.1	2.0/9.9/16.2
	Heating	Min/Norm/Max	A	2.2/8.1/12.8	2.2/9.8/16.5
EER				4.59	4.26
COP				4.59	4.58
Airflow Rate	Norm	m <sup>3</sup> /min		30	30
		I/S		500	500
Sound Pressure	Cooling	Norm	dBa	51	51
	Heating	Norm	dBa	53	53
Dimensions	WxHxD			950x834x330	950x834x330
Net Weight				64.0	64.0
Refrigerant	Type			R410A	R410A
	Charge	g		3,200	3,200
	Additional Charge	g/m		20	20
Operation Range (Outdoor)	Cooling	Min-Max	°C DB	-10-48	-10-48
	Heating	Min-Max	°C WB	-18-18	-18-18
Power Supply				1/220-240/50	1/220-240/50
Power Supply Cable				No.xmm <sup>2</sup> 3C×2.5	No.xmm <sup>2</sup> 3C×2.5
Transmission Cable				No.xmm <sup>2</sup> 4C×0.75	No.xmm <sup>2</sup> 4C×0.75
Circuit Breaker				A 25	A 25
Piping Length Total				m 70	m 75
Piping Length per Branch	Max		m	25	25
Piping Elevation Difference	IDU-ODU	Max	m	15	15
	IDU-IDU	Max	m	7.5	7.5
Piping Connection	Liquid	mm(inch)×No.		ø 6.35 (1/4)×4	ø 6.35 (1/4)×5
	Gas	mm(inch)×No.		ø 9.52 (3/8)×4	ø 9.52 (3/8)×5

Notes :

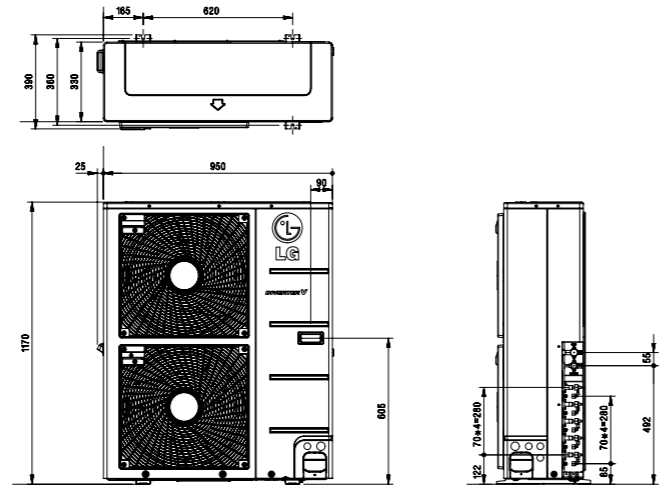
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Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB  
- Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length - Interconnecting Piping Length 7.5m  
- Level Difference of Zero.

- 2 \* : See page "Combination Table".
- 3 Due to our policy of innovation some specifications may be changed without notification.
- 4 At least two indoor units should be connected.
- 5 Minimum combination capacity rate should be more than 40%.

# INDOOR UNITS

## UHXM110MA1

MULTI F



(Unit : mm)

Outdoor Unit				UHXM110MA1
Compressor	Type			Twin Rotary
Capacity *	Cooling	Min/Norm/Max	kW	0.88/11.2/13.55
	Heating	Min/Norm/Max	kW	0.97/12.5/15.0
Power Input *	Cooling	Min/Norm/Max	kW	0.78/2.73/4.15
	Heating	Min/Norm/Max	kW	0.82/2.81/4.45
Running Current	Cooling	Min/Norm/Max	A	3.5/12.1/18.4
	Heating	Min/Norm/Max	A	3.6/12.5/19.7
EER				4.38
COP				4.42
Airflow Rate		Norm	m <sup>3</sup> /min	34
			I/S	1,146
Sound Pressure	Cooling	Norm	dBA	53
	Heating	Norm	dBA	55
Dimensions	WxHxD			950x1,170x330
Net Weight				84.0
Refrigerant	Type			R410A
	Charge			3,800
	Additional Charge			20
Operation Range (Outdoor)	Cooling	Min-Max	°C DB	-10-48
	Heating	Min-Max	°C WB	-18-18
Power Supply				1/220-240/50
Power Supply Cable				No.xmm <sup>2</sup> 3C×3.5
Transmission Cable				No.xmm <sup>2</sup> 4C×0.75
Circuit Breaker				A 30
Piping Length Total				m 85
Piping Length per Branch	Max		m	25
Piping Elevation Difference	IDU-ODU	Max	m	15
	IDU-IDU	Max	m	7.5
Piping Connection	Liquid	mm(inch)×No.		ø 6.35 (1/4)×5
	Gas	mm(inch)×No.		ø 9.52 (3/8)×5

**Notes :**

- 1 Capacities are based on the following conditions:  
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB  
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KEY FEATURES

# WALL MOUNTED

## Plasmaster Ioniser Plus

The Plasmaster Ioniser generates over 3 million plasma ions which filtrate the air in the indoor environment and inside the air conditioning unit itself. The Auto Cleaning function helps to minimise the formation of mould and bacteria on the heat exchanger.

### Filtration and Deodorisation



\* Applicable to WH series only.

## Auto Cleaning

Auto Cleaning dries the coil helping to minimise bacteria, mould and odours that can otherwise accumulate in an indoor unit.



KEY FEATURES

# WALL MOUNTED

## LG Skew Fan

Tilting the fan blades by 15° reduces the air surface pressure on the fan, resulting in reduced peak air noise.



Conventional

When the fan rotates, the stabiliser and the fan blade are parallel (= the contact of lines)

→ Instantaneous pressure charge generates noise.

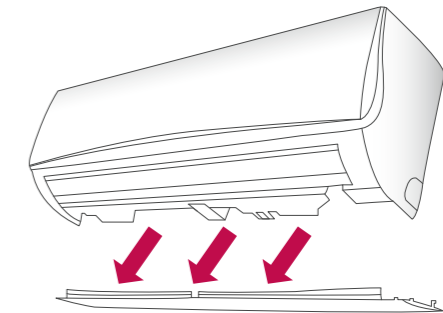
Skew Fan

When the fan rotates, the stabiliser and the fan blade are not in parallel (= the contact of lines)

→ Instantaneous pressure charge generates noise.

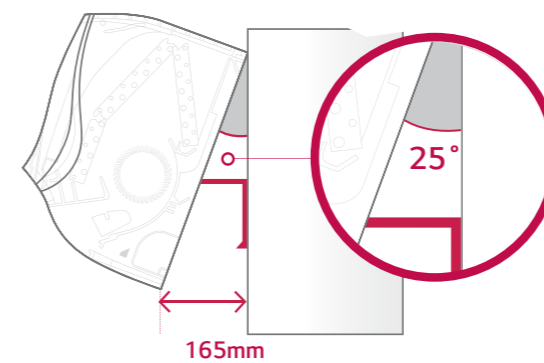
## Detachable Bottom Cover

Due to the structure of the unit the detachable bottom cover can be removed for easy installation.



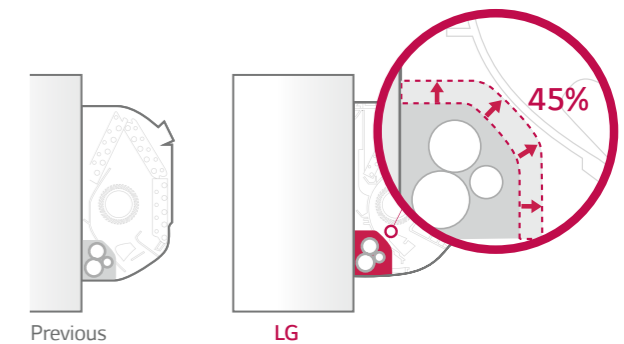
## Installation Support Clip

A support clip creates adequate space between the wall and the unit for easier installation.



## Wider Piping Space

The piping space is up to 45% wider than previous models for easier installation. The piping space is wider than many products currently on the market.



# SPECIFICATIONS

## Indoor Units

Capacity (kW)	2.1	2.6	3.5	5.3	7.0
Wall Mounted Standard	MS07AH2	MS09AH2	MS12AH2	MS18AH2	MS24AH2

## WALL MOUNTED STANDARD

Model Name		Units	MS07AH2	MS09AH2	MS12AH2	MS18AH2	MS24AH2
Power Supply		V / Ø / Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Capacity	Cooling	kW	2.1	2.6	3.5	5.3	7.0
	Heating	kW	2.4	3.2	4.0	6.3	7.5
Power Input	Min. / Norm / Max.	W	11 / 17 / 30	11 / 18 / 30	11 / 19 / 30	26 / 39 / 60	27 / 45 / 60
Running Current	Min. / Norm / Max.	A	0.10 / 0.14 / 0.20	0.10 / 0.16 / 0.20	0.10 / 0.17 / 0.20	0.22 / 0.28 / 0.40	0.24 / 0.33 / 0.40
Casing Colour		-	Munsell 7.5BG 10/2 (RAL 9016)	Munsell 7.5BG 10/2 (RAL 9016)	Munsell 7.5BG 10/2 (RAL 9016)	Munsell 7.5BG 10/2 (RAL 9016)	Munsell 7.5BG 10/2 (RAL 9016)
Dimensions	Body	W x H x D mm	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	975 x 354 x 209	975 x 354 x 209
	Shipping	W x H x D mm	892 x 381 x 249	892 x 381 x 249	892 x 381 x 249	1,063 x 420 x 274	1,063 x 420 x 274
Net Weight	Body	kg (lbs)	8.2 (18.1)	8.2 (18.1)	8.2 (18.1)	10.9 (24.0)	11.5 (25.4)
	Shipping	kg (lbs)	10.2 (22.5)	10.2 (22.5)	10.2 (22.5)	13.9 (30.6)	14.5 (32.0)
Heat Exchanger	(Row x Column x Fins) per	-	(2 x 23 x 22) x 1	(2 x 23 x 22) x 1	(2 x 23 x 22) x 1	(2 x 16 x 20) x 1	(2 x 16 x 20) x 1
	Face Area	m <sup>2</sup> (ft <sup>2</sup> )	0.20 (2.15)	0.20 (2.15)	0.20 (2.15)	0.24 (2.58)	0.24 (2.58)
Fan	Type	-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate	H / M / L	m <sup>3</sup> / min	7.2 / 5.8 / 4.6	7.6 / 6.2 / 4.8	8.0 / 6.6 / 5.5	15.8 / 12.4 / 10.0
		H / M / L	L/s	120 / 97 / 76.7	126 / 103 / 80	133 / 110 / 92	263 / 206 / 166
Fan Motor	Type	-	BLDC	BLDC	BLDC	BLDC	BLDC
	Output	W x No.	30 x 1	30 x 1	30 x 1	30 x 1	60 x 1
Sound Pressure Level	H / M / L	dB(A)	35 / 31 / 26	36 / 32 / 27	38 / 34 / 29	44 / 38 / 34	46 / 41 / 36
Sound Power Level	Max.	dB(A)	56	56	56	59	65
Piping Connections	Liquid	mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas	mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain	(O.D. / I.D.)	mm	21.5 / 16.0	21.5 / 16.0	21.5 / 16.0	21.5 / 16.0
Safety Devices	-	-	Fuse	Fuse	Fuse	Fuse	Fuse
	-	-	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor
Connective Method	-	-	Flared	Flared	Flared	Flared	Flared
Power & Communication Cable (Included Earth)	No. x mm <sup>2</sup> (AWG)	-	4C x 1.0 (18)	4C x 1.0 (18)	4C x 1.0 (18)	4C x 1.0 (18)	4C x 1.0 (18)

**Note :** 1. Due to our policy of innovation some specifications may be changed without notification.  
 2. Capacities are in accordance with AS/NZS3823.1.2 Heating: - Indoor Temperature 20°C DB / 15°C WB  
 Cooling: - Indoor Temperature 27°C DB / 19°C WB - Outdoor Temperature 7°C DB / 6°C WB  
 - Outdoor Temperature 35°C DB / 24°C WB

# COMBINATION TABLE

## UHXM55MA1

Operation	Combination (kW)				Cooling								
	UINT-A	UINT-B	UINT-C	Total	Each Capacity (kW)			Total Capacity (kW)			Total Input (W)		
1Unit	7	-	-	7	2.1	-	-	1.3	2.1	2.5	196	502	809
	9	-	-	9	2.6	-	-	1.6	2.6	3.2	252	645	1,040
	12	-	-	12	3.5	-	-	2.1	3.5	4.2	336	860	1,387
	18	-	-	18	5.3	-	-	3.2	5.3	6.3	504	1,290	2,080
2Unit	7	7	-	14	2.1	2.1	-	2.5	4.1	4.9	392	1,003	1,618
	7	9	-	16	2.1	2.6	-	2.8	4.7	5.6	448	1,147	1,849
	9	9	-	18	2.6	2.6	-	3.2	5.3	6.3	504	1,290	2,080
	7	12	-	19	1.9	3.3	-	3.2	5.3	6.3	504	1,290	2,080
	9	12	-	21	2.3	3.0	-	3.2	5.3	6.3	504	1,290	2,080
	12	12	-	24	2.6	2.6	-	3.2	5.3	6.3	504	1,290	2,080
3Unit	7	18	-	25	1.5	3.8	-	3.2	5.3	6.3	504	1,290	2,080
	9	18	-	27	1.8	3.5	-	3.2	5.3	6.3	504	1,290	2,080
	12	18	-	30	2.1	3.2	-	3.2	5.3	6.3	504	1,290	2,080
	7	7	7	21	1.8	1.8	1.8	3.2	5.3	6.3	504	1,290	2,080
	7	7	9	23	1.6	1.6	2.1	3.2	5.3	6.3	504	1,290	2,080
	7	9	9	25	1.5	1.9	1.9	3.2	5.3	6.3	504	1,290	2,080

**Note :**  
 1. Cooling Capacity is based on : indoor temp.27°CDB, 19°CWB ; outdoor temp. 35°CDB  
 2. Heating Capacity is based on : indoor temp.20°CDB ; outdoor temp. 7°CDB, 6°CWB  
 3. The total ability of connected a indoor unit is up to 8.78kW  
 4. At least two indoor units should be connected.

Operation	Combination (kW)				Heating								
	UINT-A	UINT-B	UINT-C	Total	Each Capacity (kW)			Total Capacity (kW)			Total Input (W)		
1Unit	7	-	-	7	2.5	-	-	1.4	2.5	2.8	196	502	809
	9	-	-	9	3.2	-	-	1.9	3.2	3.6	252	645	1,040
	12	-	-	12	4.2	-	-	2.5	4.2	4.9	336	860	1,387
	18	-	-	18	6.3	-	-	3.8	6.3	7.3	504	1,290	2,080
2Unit	7	7	-	14	2.5	2.5	-	3.0	4.9	5.7	392	1,003	1,618
	7	9	-	16	2.5	3.2	-	3.4	5.6	6.5	448	1,147	1,849
	9	9	-	18	3.2	3.2	-	3.8	6.3	7.3	504	1,290	2,080
	7	12	-	19	2.3	4.0	-	3.8	6.3	7.3	598	1,530	2,467
	9	12	-	21	3.2	4.2	-	4.4	7.4	8.5	598	1,530	2,467
	12	12	-	24	3.2	3.2	-	3.8	6.3	7.3	598	1,530	2,467
3Unit	7	18	-	25	1.8	4.6	-	3.8	6.3	7.3	598	1,530	2,467
	9	18	-	27	2.1	4.2	-	3.8	6.3	7.3	598	1,530	2,467
	12	18	-	30	2.5	3.8	-	3.8	6.3	7.3	598	1,530	2,467
	7	7	7	21	2.1	2.1	2.1	3.8	6.3	7.3	598	1,530	2,467
	7	7	9	23	1.9	1.9	2.5	3.8	6.3	7.3	598	1,530	2,467
	7	9	9	25	1.8	2.3	2.3	3.8	6.3	7.3	598	1,530	2,467

**Note :**  
 1. Cooling Capacity is based on : indoor temp.27°CDB, 19°CWB ; outdoor temp. 35°CDB  
 2. Heating Capacity is based on : indoor temp.20°CDB ; outdoor temp. 7°CDB, 6°CWB  
 3. The total ability of connected a indoor unit is up to 8.78kW  
 4. At least two indoor units should be connected.













# COMBINATION TABLE

## UHXM110MA1

Operation	Combination (kW)					Heating											
						Each Capacity (kW)					Total Capacity (kW)			Total Input (W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Min	Rated	Max	Min	Rated	Max
5Unit	7	7	7	7	18	46	1.9	1.9	1.9	1.9	4.9	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	9	9	12	46	1.9	2.4	2.4	2.4	3.3	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	9	12	12	47	1.9	1.9	2.4	3.2	3.2	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	9	9	12	48	2.3	2.3	2.3	2.3	3.1	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	7	12	12	45	1.9	1.9	1.9	3.3	3.3	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	7	9	18	48	1.8	1.8	1.8	2.3	4.7	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	9	12	12	49	1.8	2.3	2.3	3.1	3.1	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	12	12	12	50	1.8	1.8	3.0	3.0	3.0	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	9	9	18	50	1.8	1.8	2.3	2.3	4.5	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	9	12	12	51	2.2	2.2	2.2	2.9	2.9	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	7	12	18	51	1.7	1.7	1.7	2.9	4.4	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	12	12	12	52	1.7	2.2	2.9	2.9	2.9	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	9	9	18	52	1.7	2.2	2.2	2.2	4.3	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	7	7	24	52	1.7	1.7	1.7	1.7	5.8	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	9	12	18	53	1.7	1.7	2.1	2.8	4.2	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	7	9	24	54	1.6	1.6	1.6	2.1	5.6	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	9	9	18	54	2.1	2.1	2.1	2.1	4.2	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	12	12	12	54	2.1	2.1	2.8	2.8	2.8	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	9	12	18	55	1.6	2.0	2.0	2.7	4.1	7.5	12.5	15.0	1,742	2,810	4,450
	7	12	12	12	12	55	1.6	2.7	2.7	2.7	2.8	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	9	9	24	56	1.6	1.6	2.0	2.0	5.4	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	12	12	18	56	1.6	1.6	2.4	2.8	4.0	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	7	12	24	57	1.5	1.5	1.5	2.6	5.3	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	7	18	18	57	1.5	1.5	1.5	3.9	3.9	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	9	12	18	57	2.0	2.0	2.0	2.6	3.9	7.5	12.5	15.0	1,742	2,810	4,450
	9	12	12	12	12	57	2.0	2.6	2.6	2.6	2.6	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	9	9	24	58	1.5	1.9	1.9	1.9	5.2	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	12	12	18	58	1.5	1.9	2.6	2.6	3.9	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	9	12	24	59	1.5	1.5	1.9	2.5	5.1	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	9	18	18	59	1.5	1.5	1.9	3.8	3.8	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	9	9	24	60	1.9	1.9	1.9	1.9	5.0	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	12	12	18	60	1.9	1.9	2.5	2.5	3.8	7.5	12.5	15.0	1,742	2,810	4,450
	12	12	12	12	12	60	2.5	2.5	2.5	2.5	2.5	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	9	12	24	61	1.4	1.8	1.8	2.5	4.9	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	9	18	18	61	1.4	1.8	1.8	3.7	3.7	7.5	12.5	15.0	1,742	2,810	4,450
	7	12	12	12	18	61	1.4	2.4	2.5	2.5	3.7	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	12	12	24	62	1.4	1.4	1.4	2.4	4.8	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	12	18	18	62	1.4	1.4	1.4	3.6	3.6	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	9	12	224	63	1.8	1.8	1.8	2.4	4.8	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	9	18	18	63	1.8	1.8	1.8	3.6	3.6	7.5	12.5	15.0	1,742	2,810	4,450
	9	12	12	12	18	63	1.8	2.4	2.4	2.4	3.6	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	12	12	24	64	1.4	1.8	2.3	2.3	4.7	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	12	18	18	64	1.4	1.8	2.3	3.5	3.5	7.5	12.5	15.0	1,742	2,810	4,450
	7	7	9	18	24	65	1.3	1.3	1.7	3.5	4.6	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	12	12	24	66	1.7	1.7	2.3	2.3	4.5	7.5	12.5	15.0	1,742	2,810	4,450
	9	9	12	18	18	66	1.7	1.7	2.3	3.4	3.4	7.5	12.5	15.0	1,742	2,810	4,450
	12	12	12	12	18	66	2.3	2.3	2.3	2.3	3.4	7.5	12.5	15.0	1,742	2,810	4,450
	7	9	9	18	24	67	1.3	1.7	1.7	3.4	4.5	7.5	12.5	15.0	1,742	2,810	4,450
	7	12	12	12	24	67	1.3	2.2	2.2	2.2	4.5	7.5	12.5	15.0	1,742	2,810	4,450
	7	12	12	18	18	67	1.3	2.2	2.2	3.4	3.4	7.5	12.5	15.0	1,742	2,810	4,450
7	7	12	18	24	68	1.3	1.3	2.2	3.3	4.4	7.5	12.5	15.0	1,742	2,810	4,450	
9	12	12	12	24	69	1.6	2.2	2.2	2.2	4.3	7.5	12.5	15.0	1,742	2,810	4,450	
9	12	12	18	18	69	1.6	2.2	2.2	3.3	3.3	7.5	12.5	15.0	1,742	2,810	4,450	
7	9	18	18	18	70	1.3	1.6	3.2	3.2	3.2	7.5	12.5	15.0	1,742	2,810	4,450	
7	7	9	24	24	71	1.2	1.2	1.6	4.2	4.2	7.5	12.5	15.0	1,742	2,810	4,450	
9	9	12	18	24	72	1.6	1.6	2.1	3.1	4.2	7.5	12.5	15.0	1,742	2,810	4,450	
9	9	18	18	18	72	1.6	1.6	3.1	3.1	3.1	7.5	12.5	15.0	1,742	2,810	4,450	
12	12	12	12	24	72	2.0	2.1	2.1	2.1	4.2	7.5	12.5	15.0	1,742	2,810	4,450	
12	12	12	18	18	72	2.0	2.1	2.1	3.1	3.1	7.5	12.5	15.0	1,742	2,810	4,450	

Note :  
 1. Cooling Capacity is based on : indoor temp.27°CDB, 19°CWB ; outdoor temp. 35°CDB  
 2. Heating Capacity is based on : indoor temp.20°CDB ; outdoor temp. 7°CDB, 6°CWB  
 3. The total ability of connected a indoor unit is up to 14kW  
 4. At least two indoor units should be connected.



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