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# DUAL VANE ROUND CASSETTE

2020



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# DUAL VANE CASSETTE

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- Energy Monitoring
- 2 Set Point
- Occupied / Unoccupied Scheduling Function
- Group Control
- Test Run (Cooling)
- Test Run (Heating)
- Model Information Monitoring
- Auto Addressing
- Refrigerant Leakage Detection
- Thermo On / Off Range Setting (Cooling)
- Thermo On / Off Range Setting (Heating)
- 1 Point External Input (On / Off Control)
- Filter Sign (Remaining Time)
- Auto Restart Function Disable / Enable
- Wi-Fi Compatible



# ROUND CASSETTE

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# INDOOR UNITS

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DUAL VANE

ROUND CASSETTE



# DUAL VANE CASSETTE



## Features & Benefits

- New dual vane 4 way cassette allows comfortable air flow
- Full 3D Turbo fan decreases air resistance, providing high air flow and low sound levels.

## Key Applications

- Retail
- School
- Office
- Hotel
- Dormitory
- Restaurant

	Cassette	Dual Vane
Smart	Wi-Fi	PWFMDD200
Energy Efficiency	Human Detect Sensor	PTVSA00
	Drain Pump	○
	Sleep Mode	○
Comfort	Timer (On / Off)	○
	Timer (Weekly)	○
	Two Thermistor Control	○
	Group Control	○

※ ○ : Applied, - : Not Applied  
Option : Refer to model name in table.

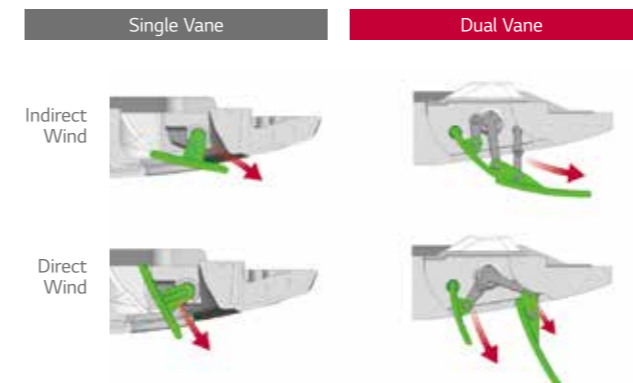
## NEW DESIGN

### 4 Way Air Flow with New Design

New 4 Way dual vane design that promotes comfortable and convenient airflow.



### \* Delicate Direction Control

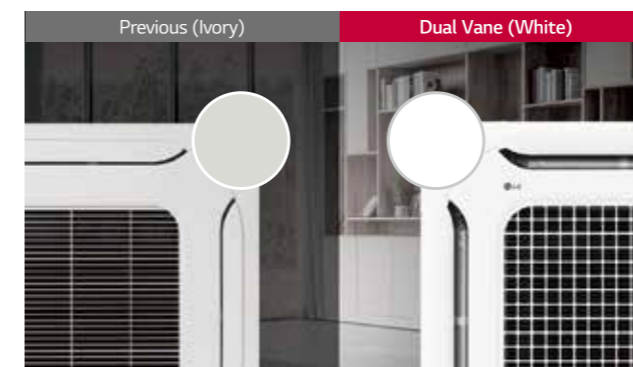


### \* 6 Airflows mode



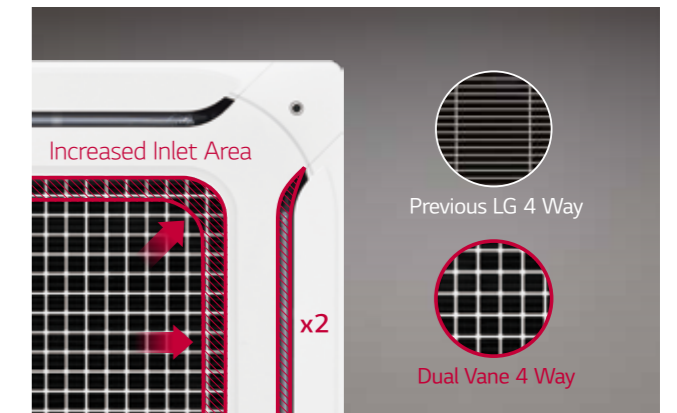
## Colour

Colour enhancement allows cassette to blend in to most interior ceiling spaces.



### Wide Design

Bigger inlet and outlet allows for faster cooling / heating airflow.



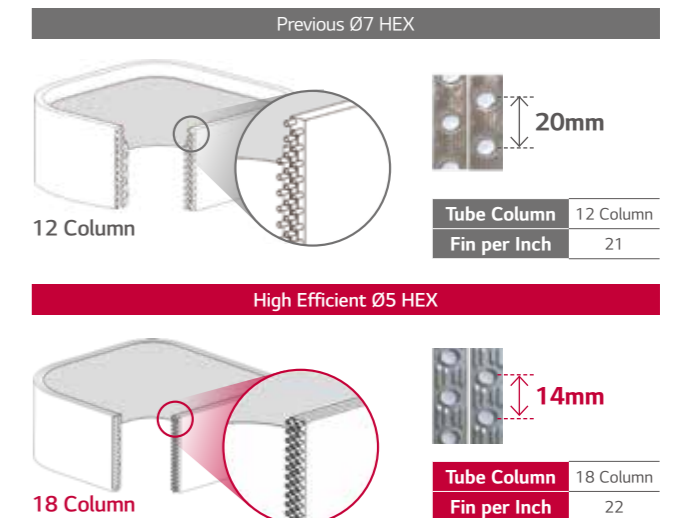
### 3D Turbo Fan

3D Turbo fan decreases air resistance, to create powerful outlet flow.



## High Efficiency Heat Exchanger (HEX)

High Density Heat Exchanger increases cooling / heating efficiency.

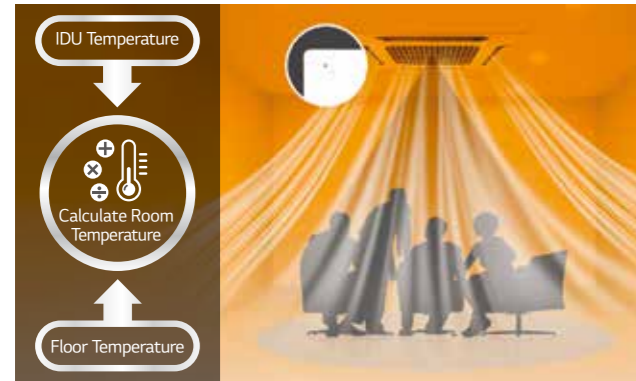


# SMART

## OPTIONAL ACCESSORIES

### Ceiling to Floor Temperature Sensing

With a special sensor that senses both ceiling and floor temperature, dual vane 4 Way cassette provides ideal comfort.



### Human-detection Air Flow

Human detection provides users with direct or indirect air flow preferences.

#### Indirect comfort

Provides air flow that blows away from user for comfort.



#### Direct cooling

Provides air flow that blows directly onto user for cooling.



### Human Detection on/off

Indoor unit senses human presence to switch on or off after a selected time to help reduce running costs. Time can be set to 30, 60 or 90 min, turning off if human presence is not detected in that time. This feature requires human detection sensor to be installed (optional) PTVSAA0.



※ Only available when human detection sensor installed (optional)

### Air Purification

Air purification function provides fresh, filtered air.



### Convenient & Powerful 5-Step Air purification

Easy-to-maintain system with washable filters

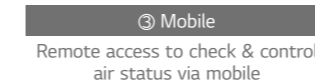
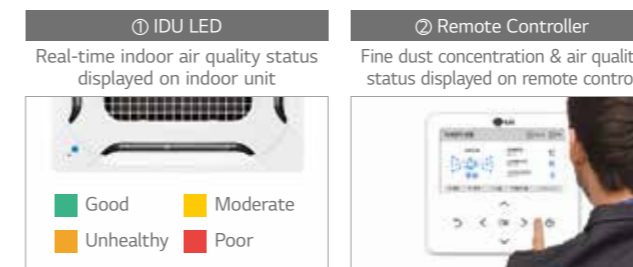


#### Management cycle

Pre-filter	PM1.0 Filter	Deodorisation Filter
Washable	6 months / Washable	6 months / Dry in sunlight

### Real-time Air Quality Monitoring

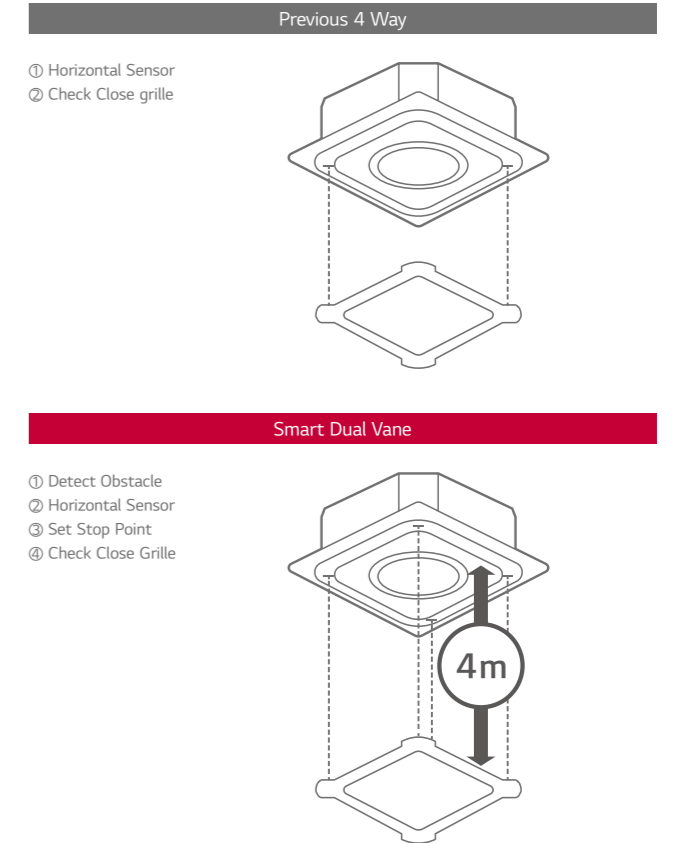
Wi-Fi functionality for remote access for indoor unit control and air cleaning status display with LG ThinQ App\*.



## OPTIONAL ACCESSORIES

### Dual Elevating Grille

Grille automatically detaches and re-attaches with 4 touchpoints for enhanced stability & convenient filter management.



### LG ThinQ Connectivity\*

Remote access to indoor units with LG ThinQ mobile app.



- ① Monitoring Air Status
  - Easy to check indoor air status
  - PM10 / PM2.5 / PM1.0
  - Day / Week / Month / Yearly
- ② Mobile Remote Control
  - Remote control by using mobile phone
  - Control Mode / Temperature / Air flow etc.
- ③ Display Power Consumption
  - Check power consumption of A/C
  - Check energy display
  - Set target energy consumption level

\* Internet and Wi-Fi connection required. Data usage may apply. Controlling devices and features requires compatible smart devices. Features and services may be changed without notice.

# DUAL VANE 4 WAY CASSETTE

## (840 X 840)

ARNU24GTBB4 / ARNU28GTBB4  
ARNU30GTBB4



Model	Unit	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Cooling Capacity	kW	7.1	8.2	9.0
Heating Capacity	kW	8.0	9.2	10.0
Power Input (H / M / L)	Nominal W	32 / 27 / 20	37 / 30 / 22	48 / 36 / 25
Dimensions (W x H x D)	Body	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
	Shipping	922 x 276 x 917	922 x 276 x 917	922 x 276 x 917
Fan	Type	Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan
	Motor Output x Number	W 51 x 1	51 x 1	51 x 1
	Air Flow Rate (H / M / L)	m³/min 18 / 17 / 15	19 / 17 / 15	21 / 19 / 16
	Motor Type	BLDC	BLDC	BLDC
Air Filter		Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch) Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch) Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch) Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body kg	21	21	21
Sound Pressure Level (H / M / L)	dB(A)	36 / 34 / 31	39 / 35 / 34	40 / 36 / 33
Sound Power Level (H / M / L)	dB(A)	46 / 44 / 42	50 / 46 / 43	53 / 50 / 45
Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable	mm² x No.	1.25 x 2C	1.25 x 2C	1.25 x 2C
Decoration Panel (Accessory)	Model Name	PT-AAGW0 PT-AFGW0 PT-AEGW0	PT-AAGW0 PT-AFGW0 PT-AEGW0	PT-AAGW0 PT-AFGW0 PT-AEGW0
	Exterior Color	White	White	White
	RAL Code	RAL 9003	RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm 950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg 7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5

Note : 1. Performance tested under EN14511  
2. Capacities are based on the following conditions  
- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero  
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero  
3. Due to our policy of innovation, some specifications may be changed without notification

## Accessories

Chassis	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Drain Pump	○	○	○
Refrigerant Leakage Detector	PRLDNV50	PRLDNV50	PRLDNV50
Independent Power Module	PRIP0	PRIP0	PRIP0
Pre Filter (Washable)	○	○	○
Dry Contact (with additional accessory)	PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○	○	○
Wi-Fi	PWFMD200	PWFMD200	PWFMD200
Human detection sensor	PTVSA00	PTVSA00	PTVSA00
Floor Temperature Sensor	PT-AFGW0 : ○	PT-AFGW0 : ○	PT-AFGW0 : ○
Air Purification kit	PT-AFGW0 : PTAHMP0	PT-AFGW0 : PTAHMP0	PT-AFGW0 : PTAHMP0
Elevation Grille	PT-AEGW0 : ○	PT-AEGW0 : ○	PT-AEGW0 : ○

※ ○ : Applied, - : Not Applied  
Option : Refer to model name in table.

# DUAL VANE 4 WAY CASSETTE

## (840 X 840)

ARNU36GTAB4 / ARNU42GTAB4  
ARNU48GTAB4



Model	Unit	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Cooling Capacity	kW	10.6	12.3	14.1
Heating Capacity	kW	11.9	13.8	15.9
Power Input (H / M / L)	Nominal W	69 / 49 / 37	97 / 69 / 49	110 / 76 / 61
Dimensions (W x H x D)	Body	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917
Fan	Type	Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan
	Motor Output x Number	W 135 x 1	135 x 1	135 x 1
	Air Flow Rate (H / M / L)	m³/min 29 / 26 / 22	33 / 29 / 26	34 / 30 / 28
	Motor Type	BLDC	BLDC	BLDC
Air Filter		Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch) Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch) Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch) Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body kg	26	26	26
Sound Pressure Level (H / M / L)	dB(A)	42 / 39 / 36	44 / 41 / 39	46 / 43 / 41
Sound Power Level (H / M / L)	dB(A)	54 / 51 / 47	56 / 53 / 49	58 / 54 / 53
Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable	mm² x No.	1.25 x 2C	1.25 x 2C	1.25 x 2C
Decoration Panel (Accessory)	Model Name	PT-AAGW0 PT-AFGW0 PT-AEGW0	PT-AAGW0 PT-AFGW0 PT-AEGW0	PT-AAGW0 PT-AFGW0 PT-AEGW0
	Exterior Color	White	White	White
	RAL Code	RAL 9003	RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm 950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg 7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5

Note : 1. Performance tested under EN14511  
2. Capacities are based on the following conditions  
- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero  
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero  
3. Due to our policy of innovation, some specifications may be changed without notification

## Accessories

Chassis	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Drain Pump	○	○	○
Refrigerant Leakage Detector	PRLDNV50	PRLDNV50	PRLDNV50
Independent Power Module	PRIP0	PRIP0	PRIP0
Pre Filter (Washable)	○	○	○
Dry Contact (with additional accessory)	PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○	○	○
Wi-Fi	PWFMD200	PWFMD200	PWFMD200
Human detection sensor	PTVSA00	PTVSA00	PTVSA00
Floor Temperature Sensor	PT-AFGW0 : ○	PT-AFGW0 : ○	PT-AFGW0 : ○
Air Purification kit	PT-AFGW0 : PTAHMP0	PT-AFGW0 : PTAHMP0	PT-AFGW0 : PTAHMP0
Elevation Grille	PT-AEGW0 : ○	PT-AEGW0 : ○	PT-AEGW0 : ○

※ ○ : Applied, - : Not Applied  
Option : Refer to model name in table.



# ROUND CASSETTE

## Features & Benefits

- Round air flow without blind spots.
- Round design to compliment indoor design elements.

## Key Applications

- Retail
- Restaurant
- Office
- Hotel

	Cassette	Round
Smart	Wi-Fi	PWFMDD200
Energy Efficiency	Human Detect Sensor	-
	Drain Pump	0
	Sleep Mode	0
	Timer (On / Off)	0
Comfort	Timer (Weekly)	0
	Two Thermistor Control	0
	Group Control	0

※ O : Applied, - : Not Applied  
Option : Refer to model name in table.

## NEW DESIGN

### Slim and Compact Design

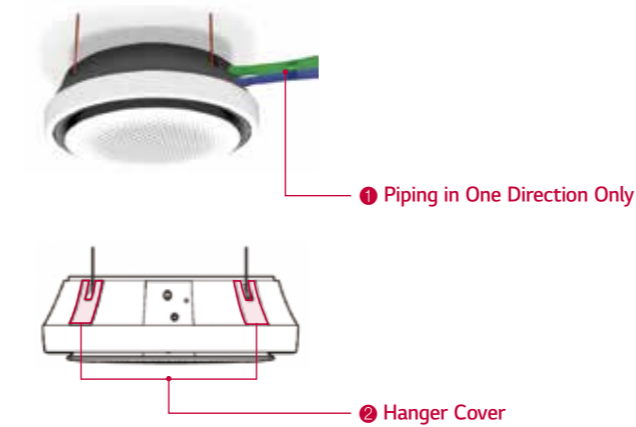
Save space and maximise the openness of the interior space.



※ Product : 48 kBTu / h

### Minimal Exposure Design

Pipes are brought together in one place to minimise exposure. Hanger covers hide installations to add a clean look.



### Round Air Flow

Round flow without blind spots.



Perfect circular airflow without blind spots.

### 6 Step Air Flow

With 6-step air flow control, you can send cool / heated air wherever you want.



### Quiet Air Flow

3D fan increases airflow by 5% and noise reduction technology makes a quieter, more comfortable space.

3D Fan, Low noise

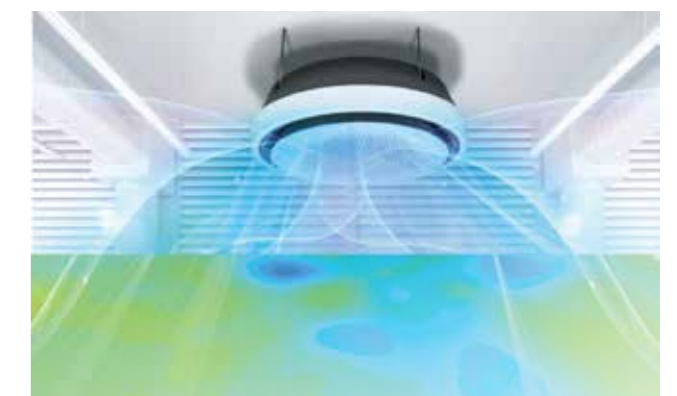


※ 48 kBTu / h, Low flow rate.  
\* Model ARNU48GYA4



### Flexible air flow

Larger airflow and detailed wind direction.



# ROUND CEILING CASSETTE

ARNU24GTYA4 / ARNU36GTYA4  
ARNU48GTYA4



Model	Unit	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Cooling Capacity	kW	7.1	10.6	14.1
Heating Capacity	kW	8.0	11.9	15.9
Power Input (H / M / L)	Nominal W	44 / 36 / 29	63 / 47 / 36	98 / 70 / 44
Dimensions (W x H x D)	Body	mm	1,050 x 330 x 1,050	1,050 x 330 x 1,050
	Shipping	mm	1,137 x 395 x 1,132	1,137 x 395 x 1,132
Fan	Type		3D Turbo Fan	3D Turbo Fan
	Motor Output x Number	W x No.	157 x 1	157 x 1
	Air Flow Rate (H / M / L)	m <sup>3</sup> /min	22 / 21 / 19	27 / 24 / 21
	Motor Type		BLDC	BLDC
Air Filter		Long life	Long life	Long life
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body kg	30	30	30
Sound Pressure Level (H / M / L)	dB(A)	39 / 37 / 34	43 / 39 / 37	47 / 44 / 39
Sound Power Level (H / M / L)	dB(A)	48 / 46 / 43	52 / 48 / 46	56 / 53 / 48
Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable	mm <sup>2</sup> x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

Note : 1. Performance tested under EN14511  
 2. Capacities are based on the following conditions.  
 - Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero  
 - Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero  
 3. Due to our policy of innovation, some specifications may be changed without notification.

## Accessories

Chassis	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Drain Pump	○	○	○
Refrigerant Leakage Detector	PRLDNV50	PRLDNV50	PRLDNV50
EEV Kit	-	-	-
Independent Power Module	PRIPO	PRIPO	PRIPO
Robot Cleaner	-	-	-
Pre Filter (Washable)	○	○	○
Ion Generator	-	-	-
CO2 Sensor	-	-	-
Ventilation Kit	-	-	-
IR Receiver	-	-	-
Zone Controller	-	-	-
Dry Contact (with additional accessory)	PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○	○	○
Wi-Fi	PWFMDD200	PWFMDD200	PWFMDD200
Human detection sensor	-	-	-
Floor Temperature Sensor	-	-	-
Air Purification kit	-	-	-
Elevation Grille	-	-	-

※ ○ : Applied, - : Not applied  
 Option : Refer to model name in table

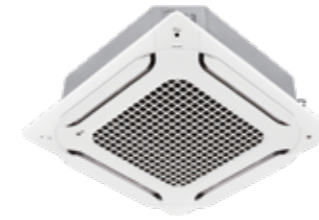






# ACCESSORY & COMPATIBILITY

## DUAL VANE CASSETTE PANEL



### Model Name

PT-AAGWO  
PT-AEGWO  
PT-AFGWO






### Key Features

Model	Function						
	Dual Vane	Wi-Fi	Floor Temperature Sensor	Air Purification	Elevating Grille	Human detection sensor	PM1.0 Sensor
PT-AAGWO	0	Optional	X	X	X	Optional	X
PT-AEGWO	0	Optional	Optional	Optional	0	Optional	0
PT-AFGWO	0	Optional	Optional	0	X	Optional	0













### Specification

Model	Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)		
					W	H	D
PT-AAGWO	Grid	White (RAL 9003)	-	7.1	950	35	950
PT-AEGWO	Grid	White (RAL 9003)	-	8.5	950	35	950
PT-AFGWO	Grid	White (RAL 9003)	-	7.5	950	35	950

### Air Purification Kit

Model	Image	Model name	PM1.0 filter	Deodorization filter	HVPS	Ionizer
						
Air purification kit		PTAHMPO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## COMPATIBILITY

Product	Controller									
	Premium	Standard III	Standard II	Simple	Simple for Hotel	Wireless	Dry Contact			
										
	PREMTA000	PREMTB100	PREMTB001	PQRCVCOQW	PQRCHCA0QW	PWLSSB21H (H/P)	Simple Dry Contact PDRYCB000	2 points Dry Contact PDRYCB400	Dry Contact for Thermostat PDRYCB300	For Modbus PDRYCB500
 Dual Vane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 Round CST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

