INDOOR UNITS

MULTI V™

Total Air Solution Provider

http://partner.lge.com | http://www.lg.com/vn/business

LG Business Solutions

LG ELECTRONICS VIETNAM

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www.lg.com/vn/business | www.lghvac.vn | www.partner.lge.com

ĐIỀU HÒA TRUNG TÂM LG   LG Vietnam

*For continual product development, LG reserves the right to change specifications or designs without notice

INDOOR UNITS LINE-UP

Type		kW	1.5	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
		Btu/h	5k	7k	9k	12k	15k	18k	21k	24k	28k	30k	36k	42k	48k	54k	60k	76k	96k
4th Generation Wall Mounted	Standard		●	●	●	●	●	●		●									
4th Generation Ceiling Mounted Cassette	Dual Vane 4 Way Cassette (840 x 840)									●	●	●	●	●	●				
	4 Way Cassette (570 x 570)		●	●	●	●	●	●	●										
	4 Way Cassette (840 x 840)									●	●	●	●	●	●	●			
	2 Way Cassette				●	●		●		●									
	1 Way Cassette				●	●	●	●		●									
	Round Ceiling Cassette									●			●		●				
4th Generation Ceiling Concealed Duct	High Static																	●	●
	Mid Static				●	●	●	●		●	●		●	●	●	●	●		
	Low Static		●	●	●	●	●	●	●	●									
4th Generation Fresh Air Intake																		●	●

※ If 4th generation indoor units are connected to MULTI V WATER S, several functions are not available.
※ If 4th generation indoor units are combined to 2nd generation indoor units, several functions are not available.
　More detailed information, refer to the "MULTI V Indoor units Compatibility Table"

INDOOR UNITS FEATURE OVERVIEW

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)	Static Pressure 11 Step Control (Only for Ceiling Concealed Duct Type)	1 Point External Input (On / Off Control)	Filter Sign (Remaining Time)	Auto Restart Function Disable / Enable	Wi-Fi Ready
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

INDOOR UNITS

WALL MOUNTED

CEILING MOUNTED CASSETTE

CEILING MOUNTED ROUND CASSETTE

CEILING CONCEALED DUCT

FRESH AIR INTAKE

WALL MOUNTED

Features & Benefits

• 6 Different discharge angles can be programmed via the remote controller.
• Easily detachable full surface cover helps to clean the air conditioner.
• Drain pipe can be easily hidden from sight.

Key Applications

• Retail
• Restaurant
• Office
• Hotel
• Multi-family Residence

Wall Mounted		Standard
Smart	Wi-Fi	○
Energy Efficiency	Energy Monitoring	○
Fast Cooling & Heating	Jet Cool	○
	Auto Swing (Up & Down)	○
Health	Ionizer	○
	Pre Filter	○
	Auto Cleaning	○
Comfort	Sleep Mode	○
	Timer (On / Off)	○
	Timer (Weekly)	○
	Two Thermistor Control	○
	Group Control	○

※ ○: Applied, – : Not applied

SMART

Wi-Fi Control
Anytime, anywhere access to the unit with Android & iOS-based smartphones.

LG ThinQ
Search "LG ThinQ" on Google market or the App Store to download the app.

Integrated Home Appliances Control
Control / Monitor all your LG appliances from one place.

Easy Registration and Log-in
Follow the easy set-up steps that will activate LG ThinQ's user-friendly features.

* Wi-Fi modem (Option) is necessary for this function

Simple operation for various functions

On/Off, Current Temp   Mode, Set Temp   Vane Control

Straight forward Management

Reservation   Energy Monitoring   Smart Diagnosis   Filter Management

Access your air conditioner anytime and from anywhere
With a Wi-Fi equipped device and LG's exclusive control app, LG ThinQ.

Wi-Fi Connectivity
Each user can set and save temperature and fan speed preferences in the LG ThinQ app.
If a household has more than one indoor unit, separate temperature settings can be set for each.

Multiple Devices

※ Can be controlled by multiple users, but not simultaneously.
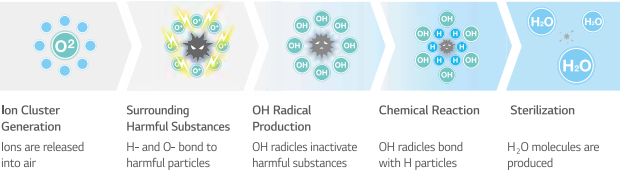
Multi-Control

FRESH AIR

Ionizer PLUS

The powerful Ionizer protects you from bad odors and Escherichia coli and Staphylococcus in the surface with over 3 million ions to sterilize to make a safer, and cleaner environment.

※ Specifications may vary for each model.
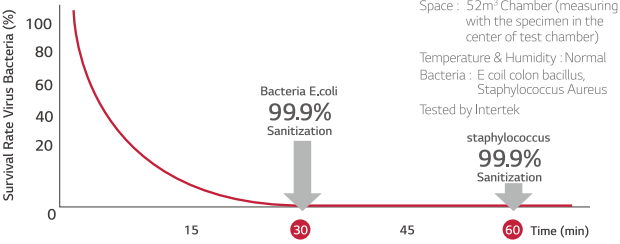※ Depending on the experimental conditions.

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

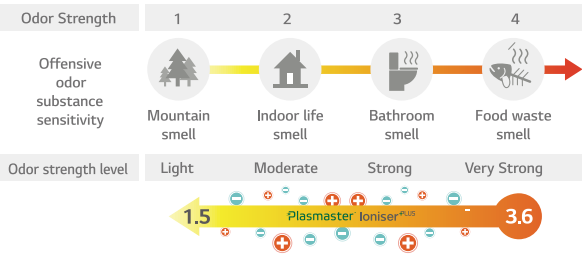Ionizer PLUS reduces E.coli and Staphylococcus in the surface with over 3 million ions.

Ion Cluster Generation	Surrounding Harmful Substances	OH Radical Production	Chemical Reaction	Sterilization
Ions are released into air	H- and O- bond to harmful particles	OH radicles inactivate harmful substances	OH radicles bond with H particles	H_2O molecules are produced

Sterilization Performance Evaluations

Sterilize Bacteria E.coli over 99.9% in 30 min. and staphylococcus over 99.6% in 60min.

Bacteria E.coli
99.9% Sanitization

staphylococcus
99.9% Sanitization

※ Test Conditions :
Space : 52m³ Chamber (measuring with the specimen in the center of test chamber)
Temperature & Humidity : Normal
Bacteria : E coil colon bacillus, Staphylococcus Aureus
Tested by Intertek

2.1 odor strength decrease in 60 minutes

An odor of measured as 2 European odor units (ouE/m³) or less indicates that the level of odor falls within permissible limits.

Odor Strength	1	2	3	4
Offensive odor substance sensitivity	Mountain smell	Indoor life smell	Bathroom smell	Food waste smell
Odor strength level	Light	Moderate	Strong	Very Strong

1.5 — Plasmaster Ioniser PLUS — 3.6

Odor strength reduce 3.6 ➡ 1.5 / The Odor floating in the room as well as curtain and clothes.

※ Test conditions :
Space: 8m³ Chamber
Temperature & Humidify : Normal
Tested by Intertek

Auto Cleaning

The unit has a self-cleaning function that dries the heat exchanger before sterilizing the interior.
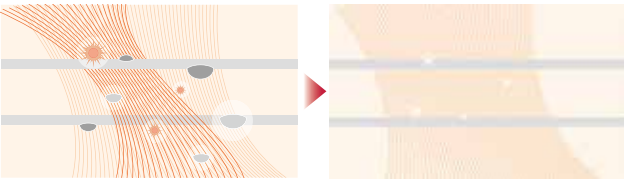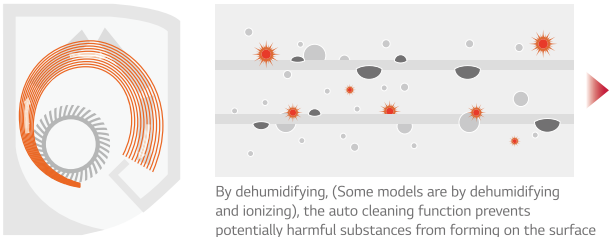
Pain Point

The main cause of odor within air conditioners is mold and bacteria growing on the heat exchanger. These germs can spread when the heat exchanger is wet.

Cleans Filter with Regular Airflow

The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger.

By dehumidifying, (Some models are by dehumidifying and ionizing), the auto cleaning function prevents potentially harmful substances from forming on the surface of the heat exchanger.

The indoor environment remains odorless with the advanced deodorizing function.

By preventing pollution of the heat exchanger caused by various germs and bacteria, performance and lifespan of the air conditioner can be increased over 10 years.
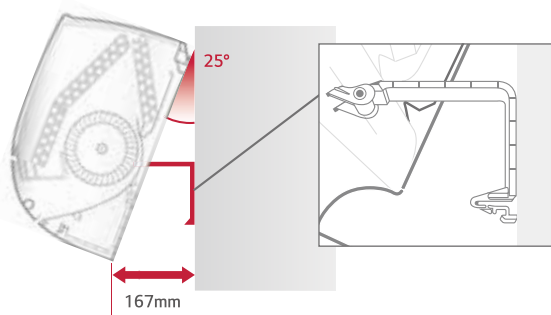
Auto cleaning

Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.

Bacteria Prevention

Odor Elimination

Mold Elimination
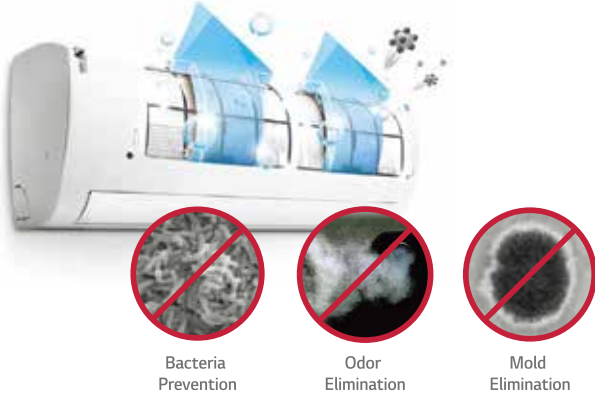
Installation

Installation Support Clip

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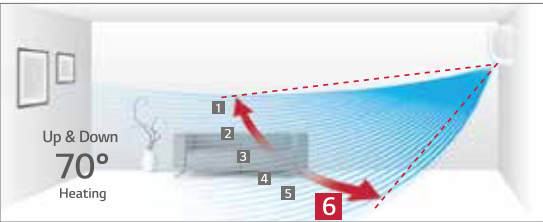

25°

167mm

FAST COOLING & HEATING

Auto Swing

Cool air extends to the entire room regardless of where the unit is situated.

※ Specifications may vary for each model.
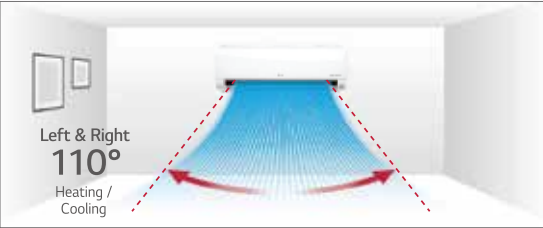
6-Step Vane Control up to 70°

The vertical vane, which moves up and down, has 6 different settings including full-auto swing.

Up & Down
70°
Heating

※ Angle can be different from each model and working mode.

Control up to 110°

Louver can be adjusted manually to extend left and right swing to 110 degrees.

Left & Right
110°
Heating / Cooling

※ Angle can be different from each model and working mode.

Easy and Simple Control

Airflow direction can be changed by LG ThinQ Wi-Fi app.

Up / Down Swing

Jet Cool

LG air conditioners provide optimized high-speed airflow, which can cool rooms faster while delivering cool air evenly in every direction.

※ Specifications may vary for each model.
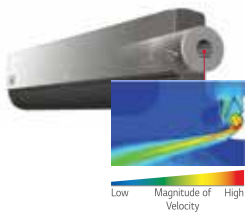※ Depending on the experimental conditions.

One Click "Jet Mode"

Reduces the temperature of outflowing air to 18°C for 30 minutes with just one click.

More Powerful Performance

By reducing the second vortex, which decreases airflow within the air outlet, and enlarging the fan size, the amount of air flow is increased to 13 CMM.

Low   Magnitude of   High
Velocity

COMFORT

Scheduled Operation

You can set the daily temperature, fan speed, the operation mode and automatic On / Off time for two weeks.
It will keep running on that time until cancelled by the user.

※ This function is for wired remote controller only.
※ Wired remote controller is need to be separately purchased.
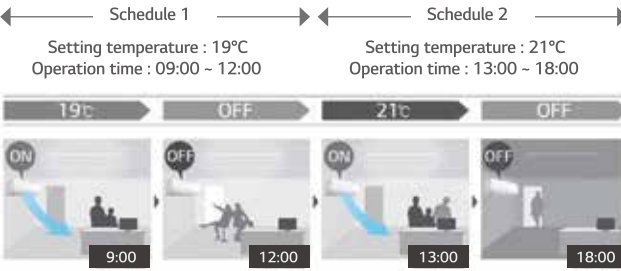
Schedule 1
Setting temperature : 19°C
Operation time : 09:00 ~ 12:00

Schedule 2
Setting temperature : 21°C
Operation time : 13:00 ~ 18:00

19°C   OFF   21°C   OFF
ON   OFF   ON   OFF
9:00   12:00   13:00   18:00

Two Thermistors Control

The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimize indoor air temperature for a more comfortable environment.

Indoor Unit Thermistor

Remote Controller Thermistor
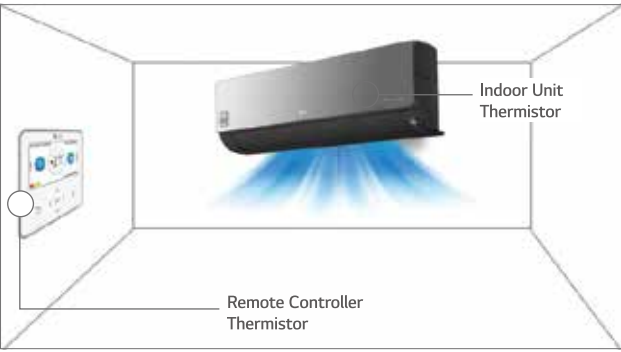
Group Control

Group control by new remote controller (PREMTB100/ PREMTBB10) has more functions than previous model.

Cooling / Heating Dehumidification Fan only operating Setting temp.

Standard Operation

+

In Case of Group Control

WALL MOUNTED

ARNU05GSJN4 / ARNU07GSJN4
ARNU09GSJN4 / ARNU12GSJN4
ARNU15GSJN4

Model		Unit	ARNU05GSJN4	ARNU07GSJN4	ARNU09GSJN4	ARNU12GSJN4	ARNU15GSJN4
Capacity	Cooling (Rated)	kW	1.6	2.2	2.8	3.6	4.5
		Btu/h	5,500	7,500	9,600	12,300	15,400
	Heating (Rated)	kW	1.8	2.5	3.2	4.0	5.0
		Btu/h	6,100	8,500	10,900	13,600	17,100
Power Input (H / M / L)		W	11 / 10 / 9	12 / 11 / 9	13 / 12 / 9	15 / 13 / 11	23 / 18 / 11
Exterior Color			White	White	White	White	White
Dimensions (W x H x D)	Body	mm	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1	30 x 1	30 x 1	30 x 1
	Air Flow Rate (H / M / L)	m³/min	6.8 / 6.5 / 5.9	7.2 / 6.8 / 5.9	7.8 / 7.2 / 5.9	8.5 / 7.8 / 6.8	10.5 / 9.5 / 6.8
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)
Weight	Body	kg	8.4	8.4	8.4	8.4	8.4
Sound Pressure Levels (H / M / L)		dB(A)	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32
Power Supply		Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	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	ARNU05GSJN4	ARNU07GSJN4	ARNU09GSJN4	ARNU12GSJN4	ARNU15GSJN4
Drain Pump			–		
Cassette Cover			–		
Independent Power Module			PRIP0		
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			○		

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

WALL MOUNTED

ARNU18GSKN4 / ARNU24GSKN4

Model		Unit	ARNU18GSKN4	ARNU24GSKN4
Capacity	Cooling (Rated)	kW	5.6	7.1
		Btu/h	19,100	24,200
	Heating (Rated)	kW	6.3	7.5
		Btu/h	21,500	25,600
Power Input (H / M / L)		W	32 / 26 / 16	39 / 26 / 16
Exterior Color			White	White
Dimensions (W x H x D)	Body	mm	975 x 354 x 209	975 x 354 x 209
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	58 x 1	58 x 1
	Air Flow Rate (H / M / L)	m³/min	14.0 / 12.0 / 10.5	15.2 / 12.7 / 10.5
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø16 (5/8)	Ø16 (5/8)
Weight	Body	kg	12.2	12.2
Sound Pressure Levels (H / M / L)		dB(A)	43 / 39 / 34	46 / 41 / 34
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

* : N or C can be applied which has little bit different shape of panel.
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	ARNU18GSKN4	ARNU24GSKN4
Drain Pump		–
Cassette Cover		–
Independent Power Module		PRIP0
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		○

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

INDOOR UNITS

WALL MOUNTED

CEILING MOUNTED 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.
- 5-Step air cleaning process removes invisible, ultra fine dust, odor and germs to ensure a clean and healthy living

Key Applications

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

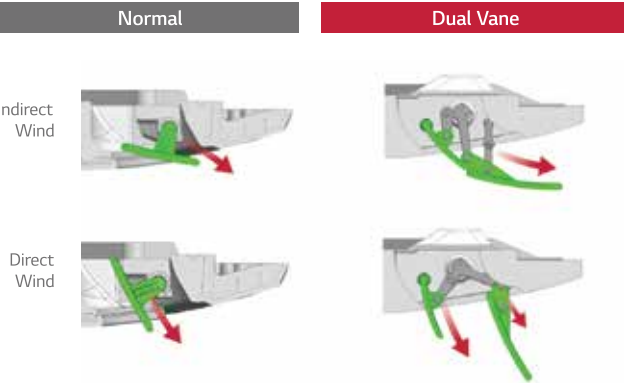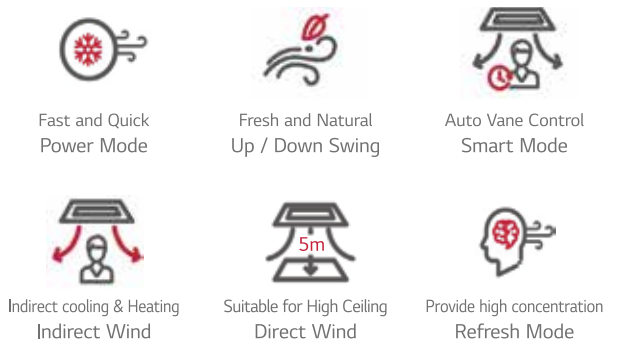|	Cassette	4 Way	2 Way	1 Way
Smart	Wi-Fi	○	○	○
Energy Efficiency	Human Detect Sensor	○	-	-
	Drain Pump	○	○	○
	Sleep Mode	○	○	○
	Timer (On / Off)	○	○	○
Comfort	Timer (Weekly)	○	○	○
	Two Thermistor Control	○	○	○
	Group Control	○	○	○
Air purification		○	-	○

NEW DESIGN

4 Way Air Flow with New Design

New Excellent Technology (NET) certifies new 4 Way dual vane design that promotes comfortable and convenient airflow.

4 Way
Dual Vane
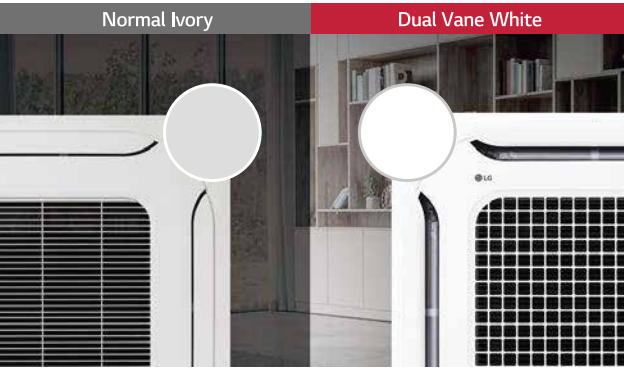
*New types wind

Normal	Dual Vane

Indirect Wind

Direct Wind

*6 Airflows mode

Fast and Quick
Power Mode

Fresh and Natural
Up / Down Swing

Auto Vane Control
Smart Mode

Indirect cooling & Heating
Indirect Wind

Suitable for High Ceiling
Direct Wind

Provide high concentration
Refresh Mode

Brighter Color

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

Normal Ivory	Dual Vane White

Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.

Increased Inlet Area

Normal 4 Way

x2

Dual Vane 4 Way
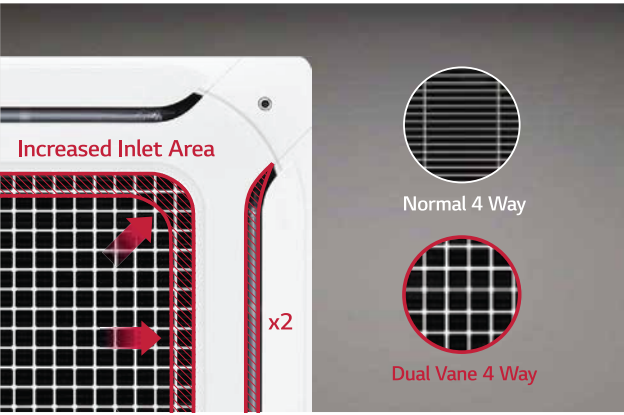
Full 3D Turbo Fan

Full 3D Turbo fan decreases air resistance, so it makes High Efficient and reduces noise level.

Turbo fan

Full 3D Turbo fan

Power consumption 13W ↓, Noise 3dB(A) ↓

Improved outlet flow rate

High Efficiency Heat Exchanger (HEX)

Ø5 High Density Heat Exchanger increases cooling / heating efficiency by 10%.

Normal Ø7 HEX

12 Column

20mm

Tube Column	12 Column
Fin per Inch	21

High Efficient Ø5 HEX

18 Column

14mm

Tube Column	18 Column
Fin per Inch	22
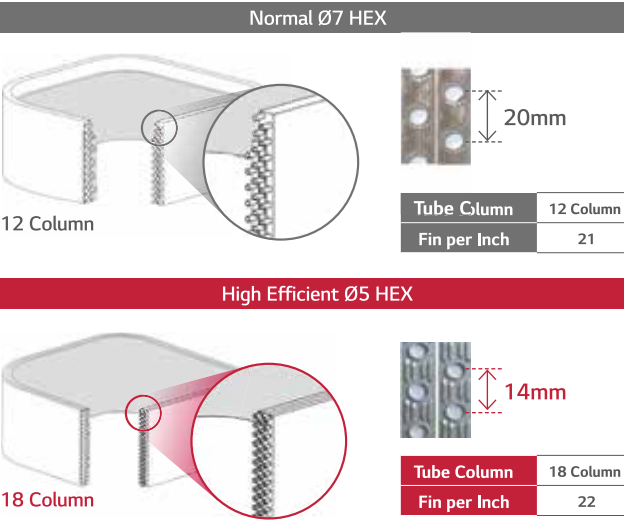
SMART

Ceiling to Floor Temperature Sensing

With a special sensor that sense both ceiling and floor temperature, Dual Vane 4 Way cassette provides comfort air.

IDU Temperature
↓
Calculate Room Temperature
↑
Floor Temperature
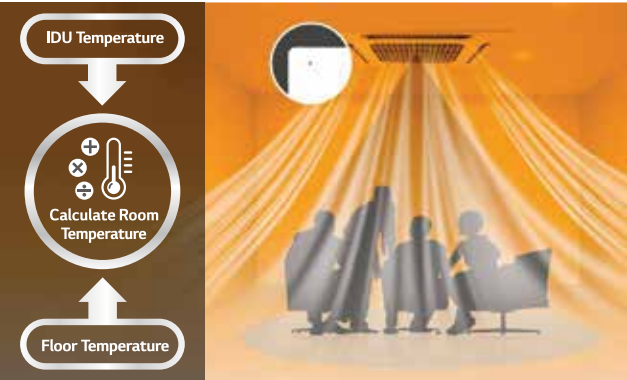
※ Available only for products with floor temperature sensor.

Human-detection Air Flow

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

Indirect comfort
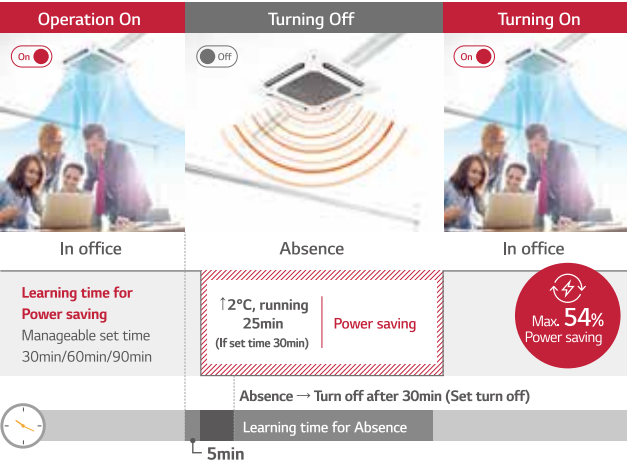Provides air flow that blows away from user for comfort.

Direct cooling
Provides air flow that blows directly onto user for cooling.

No touch Indirect airflow Comfort

Direct airflow 2℃ Cooler

Human Detection for Optimized Efficiency

Indoor unit senses human presence to switch on or off for maximum power savings of 54%.

Operation On	Turning Off	Turning On
On	Off	On
In office	Absence	In office
Learning time for Power saving Manageable set time 30min/60min/90min	↑2℃, running 25min (If set time 30min) Power saving	Max. 54% Power saving

Absence → Turn off after 30min (Set turn off)
Learning time for Absence
5min

※ Smart Dual Vane Indoor Unit '20 Line up.
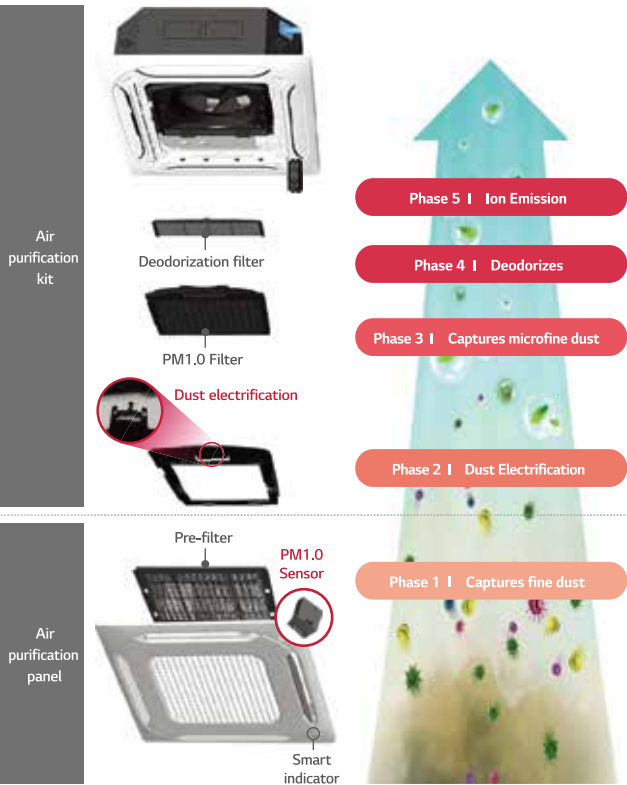※ Data Based on actual test of LG, single product 2 hours measurement result. (Cooling 26 ℃, strong wind)

High-performance Air purification

Air cleaning function provides fresh, filtered air.

Convenient & Powerful 5-Step Air purification

It captures 99% of microfine dust (PM1.0)
Besides, Easy-to-maintain system with washable filters

Air purification kit

Deodorization filter

PM1.0 Filter

Dust electrification

Phase 5	Ion Emission
Phase 4	Deodorizes
Phase 3	Captures microfine dust
Phase 2	Dust Electrification
Phase 1	Captures fine dust

Air purification panel

Pre-filter

PM1.0 Sensor

Smart indicator

Cycle Management

Pre-filter	PM1.0 Filter	Deodorization Filter
Easy removable pre-filter	6 months / Washable	6 months / Dry in sunlight

SMART

Real-time Air Quality Monitoring

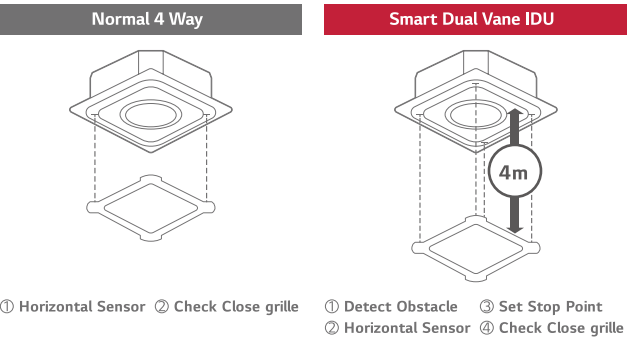Wi-Fi functionality for anytime, anywhere indoor unit control and air quality level display.

① Smart indicator (Air quality)	② Remote controller
Real-time indoor air quality level displayed on indoor unit	Air quality level displayed on remote controller

Good Unhealthy
Moderate Poor

③ Mobile
Anytime, anywhere access to check & control air status via mobile

Dual Elevating Grille

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

Normal 4 Way	Smart Dual Vane IDU

4m

① Horizontal Sensor ② Check Close grille
① Detect Obstacle ③ Set Stop Point
② Horizontal Sensor ④ Check Close grille

LG ThinQ Connectivity

Anytime anywhere access to indoor units with LG ThinQ mobile app.

① **Monitoring Air status**
Easy to check indoor air status
• Ultra Fine / Extra Fine / Fine Dust
• Day / Week /Month / Yearly

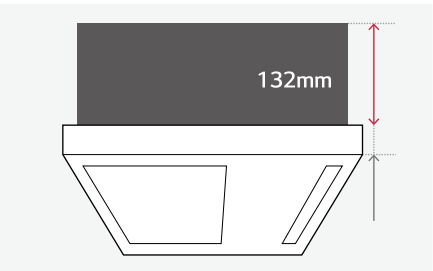② **Mobile Remote Control**
Remote control by using mobile phone
• Control Mode / Temperature / Air flow etc.

③ **Display Power Consumption**
Check power consumption of A/C
• Check energy display
• Set target energy consumption level

INSTALLATION

Minimized Height

With a height of 132mm, the LG 1 Way cassette is the ideal solution for limited-space installations.

132mm

Size Comparison   (Unit : mm)

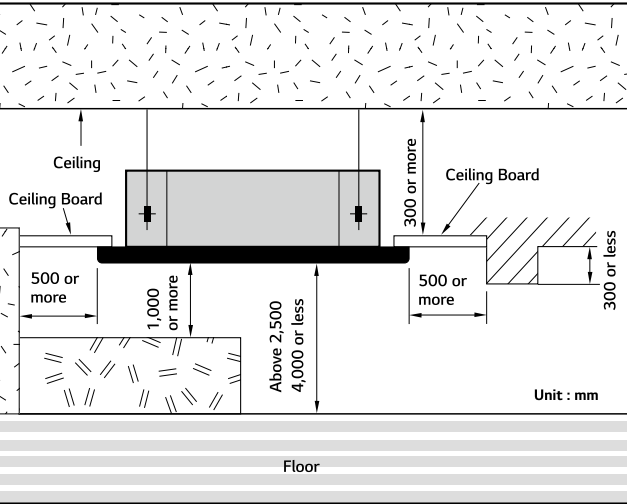|	A Company	B Company	LG
1 Way Cassette	215	230	132

Flexible Installation

1 Way cassette doesn't require the inspection access hole, so that simple installation is possible.

1 Way cassette

Duct

Duct

Inspection hole

Installation Standard

Ceiling
Ceiling Board

Ceiling Board

300 or more

Ceiling Board

500 or more

1,000 or more

Above 2,500 4,000 or less

500 or more

300 or less

Unit : mm

Floor
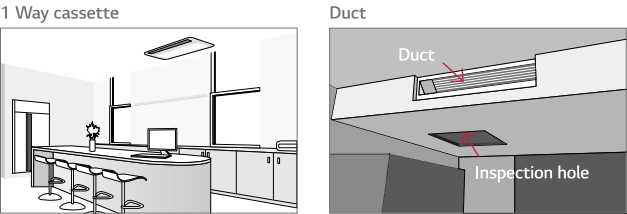
DUAL VANE 4 WAY CASSETTE (840 X 840)

ARNU24GTBB4 / ARNU28GTBB4
ARNU30GTBB4

DUAL VANE 4 WAY CASSETTE (840 X 840)

ARNU36GTAB4 / ARNU42GTAB4
ARNU48GTAB4

Model		Unit	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Capacity	Cooling (Rated)	kW	7.1	8.2	9.0
		Btu/h	24,200	28,00	30,700
	Heating (Rated)	kW	8.0	9.2	10.0
		Btu/h	27,300	31,500	34,100
Power Input (H / M / L)		W	32 / 27 / 20	37 / 30 / 22	48 / 36 / 25
Dimensions (W x H x D)	Body	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Fan	Type		Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan
	Motor Output x Number	W x No.	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)	39 / 37 / 35	40 / 38 / 35	43 / 40 / 36
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
	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.

Model		Unit	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Capacity	Cooling (Rated)	kW	10.6	12.3	14.1
		Btu/h	36,200	42,000	48,100
	Heating (Rated)	kW	11.9	13.8	15.9
		Btu/h	40,600	47,000	54,200
Power Input (H / M / L)		W	69 / 49 / 37	97 / 69 / 49	110 / 76 / 61
Dimensions (W x H x D)	Body	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Fan	Type		Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan
	Motor Output x Number	W x No.	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)	43 / 40 / 37	47 / 43 / 40	48 / 44 / 42
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
	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		○	
Cassette Cover		PTDCA, PTDCQ	
Independent Power Module		PRIP0	
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	
Human detection sensor		PTVSMA0	
Floor Temperature Sensor		PTFSMA0	
Air Purification kit		PT-AFGW0 : PTAHMP0	
Elevation Grille		PT-AEGW0	

Accessories

Chassis	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Drain Pump		○	
Cassette Cover		PTDCA, PTDCQ	
Independent Power Module		PRIP0	
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	
Human detection sensor		PTVSMA0	
Floor Temperature Sensor		PTFSMA0	
Air Purification kit		PT-AFGW0 : PTAHMP0	
Elevation Grille		PT-AEGW0	

4 WAY CASSETTE (570 X 570)

ARNU05GTRB4 / ARNU07GTRB4
ARNU09GTRB4 / ARNU12GTRB4

Model		Unit	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Capacity	Cooling (Rated)	kW	1.6	2.2	2.8	3.6
		Btu/h	5,500	7,500	9,600	12,300
	Heating (Rated)	kW	1.8	2.5	3.2	4.0
		Btu/h	6,100	8,500	10,900	13,600
Power Input (H / M / L)		W	13 / 12 / 11	13 / 12 / 11	14 / 13 / 12	17 / 15 / 13
Dimensions (W x H x D)	Body	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	43 x 1	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m³/min	7.5 / 7.0 / 6.6	7.5 / 7.0 / 6.6	8.0 / 7.5 / 7.1	8.7 / 8.0 / 7.0
	Motor Type		BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	12.6	12.6	13.7	13.7
Sound Pressure Levels (H / M / L)		dB(A)	29 / 27 / 26	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog	Morning Fog
	Net Dimensions (W x H x D)	mm	620 x 34 x 620	620 x 34 x 620	620 x 34 x 620	620 x 34 x 620
	Net Weight	kg	3.0	3.0	3.0	3.0

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	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Drain Pump		○		
Cassette Cover		PTDCM, PTDCQ		
Independent Power Module		PRIP0		
Robot Cleaner		-		
Pre Filter (Washable)		○		
Ion Generator		-		
CO₂ Sensor		-		
Ventilation Kit		PTVK410, PTVK420, PTVK430		
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		

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

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4 WAY CASSETTE (570 X 570)

ARNU15GTQB4 / ARNU18GTQB4
ARNU21GTQB4

Model		Unit	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Capacity	Cooling (Rated)	kW	4.5	5.6	6.0
		Btu/h	15,400	19,100	20,500
	Heating (Rated)	kW	5.0	6.3	6.8
		Btu/h	17,100	21,500	23,200
Power Input (H / M / L)		W	24 / 21 / 18	25 / 22 / 19	28 / 23 / 20
Dimensions (W x H x D)	Body	mm	570 x 256 x 570	570 x 256 x 570	570 x 256 x 570
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m³/min	11.0 / 10.0 / 9.3	11.2 / 11.0 / 10.0	12.0 / 11.1 / 9.4
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	15.0	15.0	15.0
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 32	37 / 35 / 34	40 / 38 / 34
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-QCHW0	PT-QCHW0	PT-QCHW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog
	Net Dimensions (W x H x D)	mm	620 x 34 x 620	620 x 34 x 620	620 x 34 x 620
	Net Weight	kg	3.0	3.0	3.0

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	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Drain Pump		○	
Cassette Cover		PTDCM, PTDCQ	
Independent Power Module		PRIP0	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO₂ Sensor		-	
Ventilation Kit		PTVK410, PTVK420, PTVK430	
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	

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

INDOOR UNITS

CEILING MOUNTED CASSETTE

4 WAY CASSETTE (840 X 840)

ARNU24GTPA4 / ARNU28GTPA4
ARNU30GTPA4 / ARNU36GTNA4

Model		Unit	ARNU24GTPA4	ARNU28GTPA4	ARNU30GTPA4	ARNU36GTNA4
Capacity	Cooling (Rated)	kW	7.1	8.2	9.0	10.6
		Btu/h	24,200	28,000	30,700	36,200
	Heating (Rated)	kW	8.0	9.2	10.0	11.9
		Btu/h	27,300	31,500	34,100	40,600
Power Input (H / M / L)		W	31 / 26 / 23	40 / 31 / 25	40 / 34 / 27	70 / 53 / 43
Dimensions (W x H x D)	Body	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1	30 x 1	135 x 1
	Air Flow Rate (H /M /L)	m³/min	17.0 / 15.0 / 13.0	19.0 / 16.0 / 14.0	24.3 / 22.8 / 19.5	25 / 21 / 19
	Motor Type		BLDC	BLDC	BLDC	BLDC
Air Filter			Pre 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)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)
Weight	Body	kg	20.8 (45.8)	20.8 (45.8)	20.8 (45.8)	23.5 (51.8)
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 31	39 / 35 / 33	40 / 36 / 33	43 / 40 / 37
Power Supply		Ø, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog	Morning Fog
	Net Dimensions (W x H x D)	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	5.0 / 6.3	5.0 / 6.3	5.0 / 6.3	5.0 / 6.3

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	ARNU24GTPA4	ARNU28GTPA4	ARNU30GTPA4	ARNU36GTNA4
Drain Pump		○		
Cassette Cover		PTDCM, PTDCQ		
Independent Power Module		PRIP0		
Robot Cleaner		-		
Pre Filter (Washable)		○		
Ion Generator		-		
CO₂ Sensor		-		
Ventilation Kit		PTVK410, PTVK420, PTVK430		
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		
Air Purification Kit		PT-MPGW0 : PTAHMP0		
Human dectection sensor		PTVSMA0		

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

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4 WAY CASSETTE (840 X 840)

ARNU42GTMA4 / ARNU48GTMA4
ARNU54GTMA4

Model		Unit	ARNU42GTMA4	ARNU48GTMA4	ARNU54GTMA4
Capacity	Cooling (Rated)	kW	12.3	14.1	15.8
		Btu/h	42,000	48,100	54,000
	Heating (Rated)	kW	13.8	15.9	18.0
		Btu/h	43,800	51,200	61,400
Power Input (H / M / L)		W	104 / 75 / 53	120 / 80 / 62	135 / 93 / 70
Dimensions (W x H x D)	Body	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	135 x 1	135 x 1	135 x 1
	Air Flow Rate (H / M / L)	m³/min	30 / 27 / 24	31 / 29 / 27	34 / 32 / 27
	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)	25 (1)	25 (1)	25 (1)
Weight	Body	kg	25.6 (56.4)	25.6 (56.4)	26.5 (58.4)
Sound Pressure Levels (H / M / L)		dB(A)	44 / 41 / 38	46 / 43 / 41	50 / 48 / 44
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog
	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	5.0 / 6.3	5.0 / 6.3	5.0 / 6.3

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	ARNU42GTMA4	ARNU48GTMA4	ARNU54GTMA4
Drain Pump		○	
Cassette Cover		PTDCM, PTDCQ	
Independent Power Module		PRIP0	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO₂ Sensor		-	
Ventilation Kit		PTVK410, PTVK420, PTVK430	
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	
Air Purification Kit		PT-MPGW0 : PTAHMP0	
Human dectection sensor		PTVSMA0	

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

2 WAY CASSETTE

ARNU09GTSA4 / ARNU12GTSA4

Model		Unit	ARNU09GTSA4	ARNU12GTSA4
Capacity	Cooling (Rated)	kW	2.8	3.6
		Btu/h	9,600	12,300
	Heating (Rated)	kW	3.2	4.0
		Btu/h	10,900	13,600
Power Input (H / M / L)		W	16 / 14 / 11	18 / 14 / 11
Dimensions (W x H x D)	Body	mm	830 x 225 x 600	830 x 225 x 600
Fan	Type		Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	37 x 1	37 x 1
	Air Flow Rate (H / M / L)	m³/min	10.8 / 9.8 / 9.1	11.1 / 10.3 / 9.1
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)
Weight	Body	kg	18.1	18.1
Sound Pressure Levels (H / M / L)		dB(A)	33 / 31 / 29	34 / 32 / 29
Power Supply		Ø, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-USC	PT-USC
	Exterior Color		Morning Fog	Morning Fog
	Net Dimensions (W x H x D)	mm	1,100 x 28 x 690	1,100 x 28 x 690
	Net Weight	kg	4.65	4.65

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	ARNU09GTSA4	ARNU12GTSA4
Drain Pump	○	
Cassette Cover	–	
Independent Power Module	PRIP0	
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	

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

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2 WAY CASSETTE

ARNU18GTSA4 / ARNU24GTSA4

Model		Unit	ARNU18GTSA4	ARNU24GTSA4
Capacity	Cooling (Rated)	kW	5.6	7.1
		Btu/h	19,100	24,200
	Heating (Rated)	kW	6.3	8.0
		Btu/h	21,500	27,300
Power Input (H / M / L)		W	19 / 16 / 14	31 / 22 / 14
Dimensions (W x H x D)	Body	mm	830 x 225 x 600	830 x 225 x 600
Fan	Type		Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	37 x 1	37 x 1
	Air Flow Rate (H / M / L)	m³/min	11.8 / 10.8 / 9.8	14.5 / 12.4 / 10.3
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)
Weight	Body	kg	18.1	18.1
Sound Pressure Levels (H / M / L)		dB(A)	35 / 33 / 31	40 / 37 / 33
Power Supply		Ø, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-USC	PT-USC
	Exterior Color		Morning Fog	Morning Fog
	Net Dimensions (W x H x D)	mm	1,100 x 28 x 690	1,100 x 28 x 690
	Net Weight	kg	4.65	4.65

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	ARNU18GTSA4	ARNU24GTSA4
Drain Pump	○	
Cassette Cover	–	
Independent Power Module	PRIP0	
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	

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

1 WAY CASSETTE

ARNU07GTUB4 / ARNU09GTUB4
ARNU12GTUB4

Model		Unit	ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4
Capacity	Cooling (Rated)	kW	2.2	2.8	3.6
		Btu/h	7,500	9,600	12,300
	Heating (Rated)	kW	2.5	3.2	4.0
		Btu/h	8,500	10,900	13,600
Power Input (H / M / L)		W	20 / 18 / 16	22 / 20 / 18	24 / 22 / 20
Dimensions (W x H x D)	Body	mm	860 x 132 x 450	860 x 132 x 450	860 x 132 x 450
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1	30 x 1
	Air Flow Rate (H / M / L)	m³/min	8.2 / 7.3 / 6.4	9.2 / 8.6 / 8.2	10.0 / 9.2 / 8.2
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	12.2	12.2	12.2
Sound Pressure Levels (H / M / L)		dB(A)	32 / 29 / 25	35 / 34 / 32	38 / 35 / 32
Power Supply		Ø, V, Hz	1, 220 - 240, 50	1, 220-240, 50	1, 220 - 240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-UAHW0, PT-UPHG0	PT-UAHW0, PT-UPHG0	PT-UAHW0, PT-UPHG0
	Exterior Color		Noble White	Noble White	Noble White
	Net Dimensions (W x H x D)	mm	1,100 x 34 x 500 1,160 x 34 x 500	1,100 x 34 x 500 1,160 x 34 x 500	1,100 x 34 x 500 1,160 x 34 x 500
	Net Weight	kg	3.3 / 4.1	3.3 / 4.1	3.3 / 4.1

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	ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4
Drain Pump		○	
Cassette Cover		-	
Independent Power Module		PRIP0	
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	
Air Purification Kit		PT-UPHG0 : PTAHTP0	

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

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1 WAY CASSETTE

ARNU18GTTB4 / ARNU24GTTB4

Model		Unit	ARNU18GTTB4	ARNU24GTTB4
Capacity	Cooling (Rated)	kW	5.6	7.1
		Btu/h	19,100	24,200
	Heating (Rated)	kW	6.3	7.1
		Btu/h	21,500	24,200
Power Input (H / M / L)		W	38 / 28 / 24	51 / 33 / 26
Dimensions (W x H x D)	Body	mm	1,180 x 132 x 450	1,180 x 132 x 450
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1
	Air Flow Rate (H / M / L)	m³/min	13.3 / 12.1 / 10.9	14.6 / 13.3 / 11.5
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	15.3	15.3
Sound Pressure Levels (H / M / L)		dB(A)	43 / 40 / 36	40 / 37 / 35
Power Supply		Ø, V, Hz	1, 220 - 240, 50	1, 220 - 240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-TAHW0, PT-TPHG0	PT-TAHW0, PT-TPHG0
	Exterior Color		Noble White	Noble White
	Net Dimensions (W x H x D)	mm	1,420 x 34 x 500 1,480 x 34 x 500	1,420 x 34 x 500 1,480 x 34 x 500
	Net Weight	kg	4.5 / 4.9	4.5 / 4.9

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	ARNU18GTTB4	ARNU24GTTB4
Drain Pump		○
Cassette Cover		-
Independent Power Module		PRIP0
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
Air Purification Kit		PT-UPHG0 : PTAHTP0

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

CEILING MOUNTED ROUND CASSETTE

Features & Benefits

- Luxury round design can make a luxurious space with a round design considering side view.
- Perfect round air flow without blind spots.

Key Applications

- Retail
- Restaurant
- Office
- Hotel

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

NEW DESIGN

Slim and Compact design

Reduce the height of the body by 15% save space and maximize the openness of the interior space.

Other Brand	LG Round Cassette
384mm	330mm

※ Product : 48 kBtu

15% less body height makes room more higher

Minimal exposure design

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

Other Brand	LG Round Cassette

❶ Drain Pipe
❷ Refrigerant Pipe
❸ Exposed Hanger

❶ Piping in One Direction Only
❷ Hanger Cover
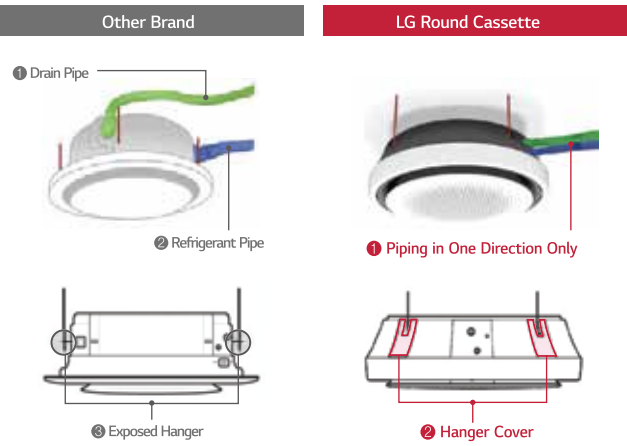
Perfect round air flow

Perfect round flow without blind spots.

Other Brand	LG Round Cassette

3 Way airflow with blind spot.
Perfect circular airflow without blind spots.
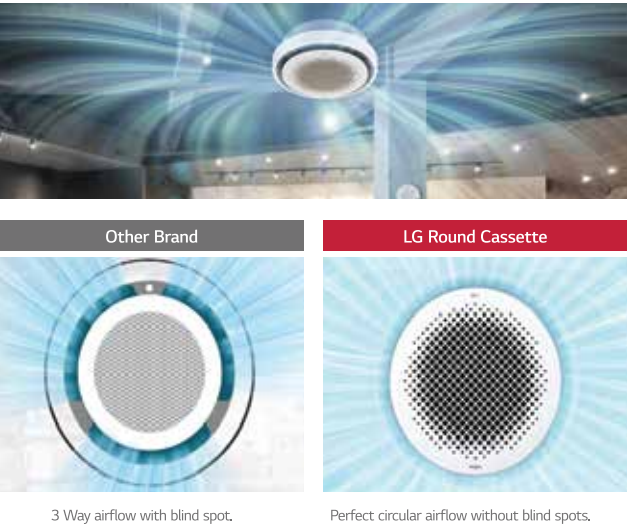
Visible air flow

With crystal vein for 6-step precision control, you can send cool / heated air wherever you want.

Other Brand	LG Round Cassette

Crystal Vein

Wind direction control ❶ · · ❷ · · ❸
Wind direction control ❶ ❷ ❸ ❹ ❺ ❻
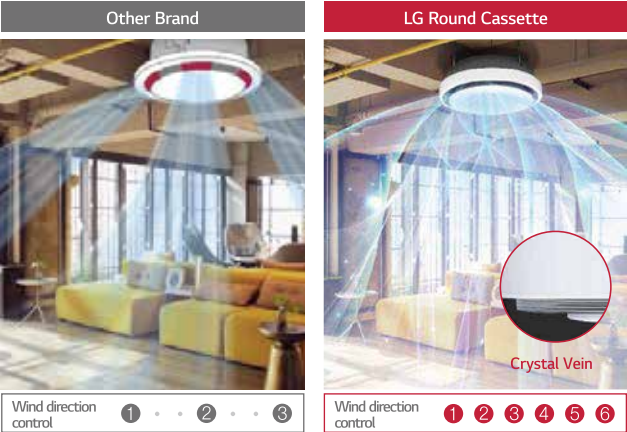
Powerful and Quiet air flow

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

Full 3D Fan, Air flow rate 5% ↑

Previous (4 Way)
New (Round)

Full 3D Fan, Low noise

Library 40 dB(A)
Talking 50 dB(A)
Office 55 dB(A)
LG Round CST 39 dB(A)
Vacuum Cleaner 70 dB(A)

※ 48 kBtu, Low flow rate

Normal communication Noise level 50 dB(A)
Library Noise level 40 dB(A)
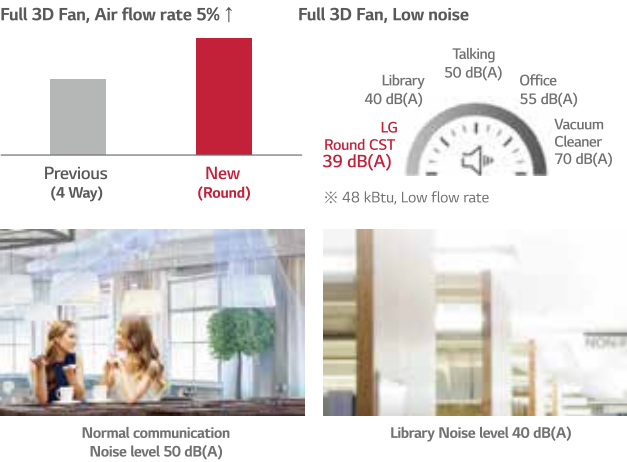
30% Faster in cooling

Larger airflow rate, cooling rate is faster than 30%.

Other Brand	LG Round Cassette

Set temperature reach time 18 minutes (Height 1.1m)
Set temperature reach time 12 minutes (Height 1.1m)
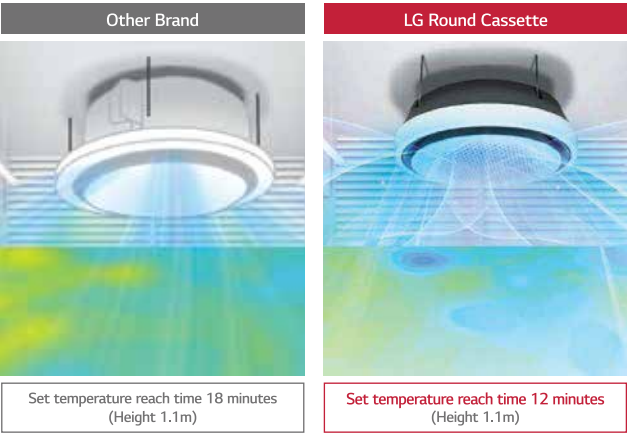
※ Based on test results from LG chamber, this image is designed to help customers understand. Experimental environment: height 3.2m, 48 kBtu, cooling mode, high flow rate, horizontal air flow direction

ROUND CEILING CASSETTE

ARNU24GTYA4 / ARNU36GTYA4
ARNU48GTYA4

Model		Unit	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Capacity	Cooling (Rated)	kW	7.1	10.6	14.1
		Btu/h	24,200	36,200	48,100
	Heating (Rated)	kW	8.0	11.9	15.9
		Btu/h	27,300	40,600	54,200
Power Input (H / M / L)		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	1,050 x 330 x 1,050
Fan	Type		3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Motor Output x Number	W x No.	157 x 1	157 x 1	157 x 1
	Air Flow Rate (H / M / L)	m³/min	22 / 21 / 19	27 / 24 / 21	32 / 28 / 23
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Long life	Long life	Long life
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	30	30	30
Sound Pressure Level (H / M / L)		dB(A)	39 / 37 / 34	43 / 39 / 37	47 / 44 / 39
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² 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		○	
Cassette Cover		-	
Independent Power Module		PRIP0	
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	
Human detection sensor		-	
Floor Temperature Sensor		-	
Air Purification kit		-	
Elevation Grille		-	

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

CEILING CONCEALED DUCT

Features & Benefits

• Easy and flexible duct adjusts air volume with External Static Pressure (ESP) control function.

• Minimalist visibility (Hidden within ceiling) to blend seamlessly into any interior

Key Applications
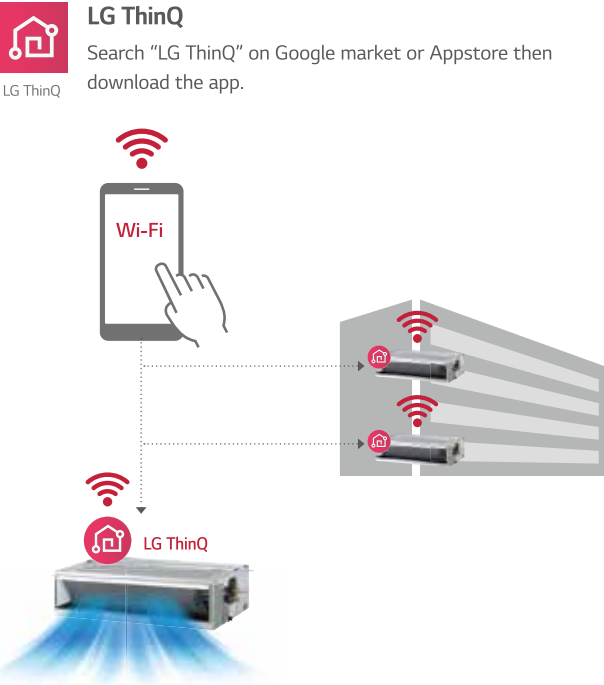
• Office
• Hotel
• Retail
• Residential building

	Duct	High	Middle	Low
Smart	Wi-Fi	○	○	○
Energy Efficiency	E.S.P Control	○	○	○
Comfort	Drain Pump	○	○	○
	Timer (On / Off)	○	○	○
	Timer (Weekly)	○	○	○
	Two Thermistor Control	○	○	○
	Group Control	○	○	○

※ ○ : Applied, - : Not applied

SMART

Wi-Fi Control
Anytime, anywhere access with LG ThinQ mobile app.

LG ThinQ

LG ThinQ

Search "LG ThinQ" on Google market or Appstore then download the app.

Wi-Fi

LG ThinQ

* Wi-Fi modem (Option) is necessary for this function

Easy Registration and Log-in
Follow the easy set-up steps that will activate LG ThinQ's user-friendly features.

Simple operation for various functions

On/Off, Current Temp   Mode, Set Temp   Vane Control
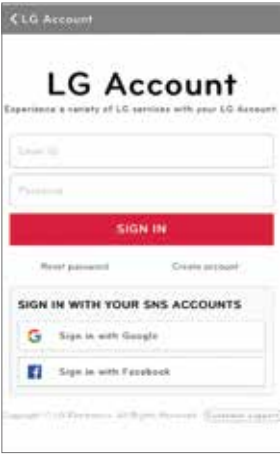
ENERGY EFFICIENCY

External Static Pressure (ESP) Control
User has easy access to air volume selection via remote controller using the ESP control function.
The BLDC motor can control fan speed and air volume.
No additional accessories are necessary to control air flow.

E.S.P. Control

Comfort Cooling / Heating

E.S.P. Control

Comfort Cooling / Heating
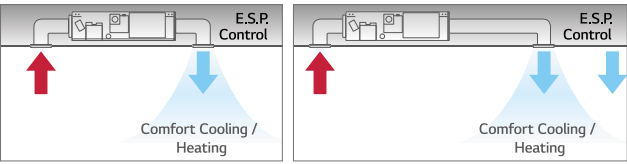
Static Pressure 11- Step Control
Depending on the installation environment, LG's ceiling concealed duct controls the static pressure with 11steps to provide maximized comfort to any environment.

Conventional   New

1 step

Static Pressure Low Setting

11 steps

Static Pressure Power Setting
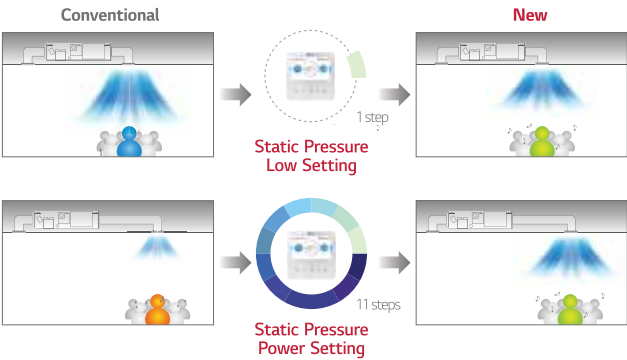
Energy Monitoring
Accumulated electric energy of the indoor unit can be identified with wired remote control, as well as with the central controller. This function is an advantage for

Install Scene   Apply for multistory building

Watt Meter   PDI

Premium Wired Remote Controller

Total accumulated electric energy 595kWh

Standard Wired Remote Controller

Total accumulated electric energy 3,977kWh

100kWh

Total Power Input

20kWh

50kWh

30kWh
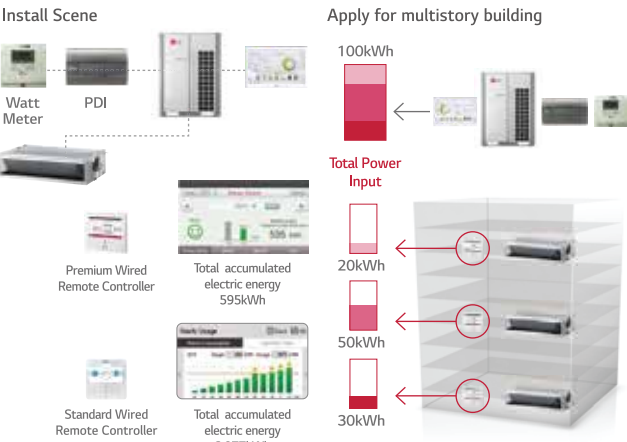
※ Outdoor unit's accumulated electric energy / using rate of individual indoor unit + indoor unit's accumulated electric energy is displayed in wired remote controller, only when central controller, digital integrating electricity meter and PDI are installed and PDI, outdoor unit and indoor unit are connected with power wire. Only total accumulated electric energy is displayed in standard wired remote controller. In premium wired remote controller, that are displayed into week / month / year.

INDOOR UNITS

CEILING CONCEALED DUCT

COMFORT

Multiple Room Operation

Using a spiral duct (Embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously.
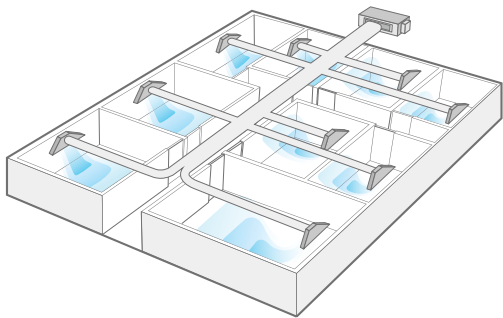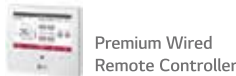

Filter Alert

The alarm is activated when the filter needs to be cleaned, and the time remaining for cleaning is displayed on the creen.

Remain Time Until Indoor Filter Cleaning + Alarm

Filter Sign   Back   OK

Filter Using Time

Using 2400H   Left 0H

Reset

Standard Wired Remote Controller

Remain time until indoor filter cleaning 2,400hr.

Contact   Filter Sign

good   normal   caution   severe

Use   0671 Hr.
Remain   1729 Hr.

Premium Wired Remote Controller

Remain time until indoor filter cleaning 1,729hr.

Flexible Installation (Low Static Duct Only)

The low static duct allows the air intake at the rear or bottom under specific installation conditions.

Air intake at the rear or bottom
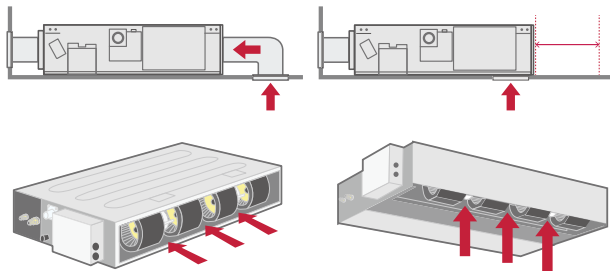
Minimized Height

New mid-static ducts provide ideal solution for installation in limited space.
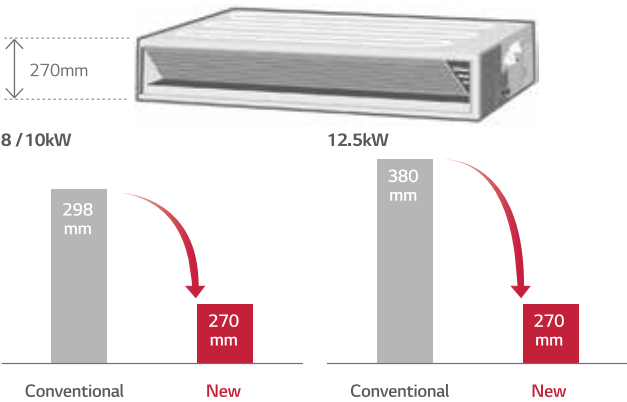
270mm

8 / 10kW   12.5kW

298 mm   270 mm   380 mm   270 mm

Conventional   New   Conventional   New

Two Thermistors Control

The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimize indoor air temperature for a more comfortable environment.

Indoor Unit Thermistor
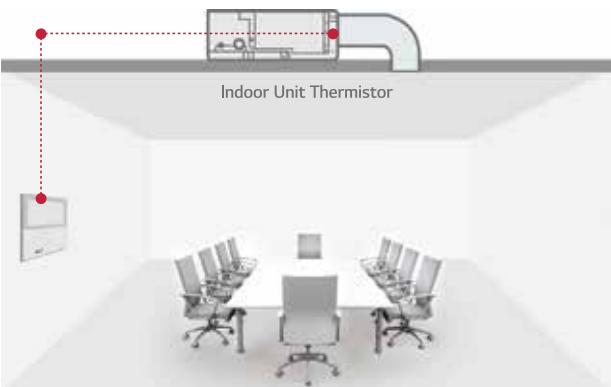
Remote Controller Thermistor

1 Point External Input (On / Off Control)

Indoor unit can be controlled by external devices without dry contact, so customer can save cost of installation.

Connection between an indoor unit and external devices directly

Not Necessary

Motion Detector Sensor

OFF

Not Necessary for Dry Contact

Card   ON

Key Tag   ON

Cost Savings
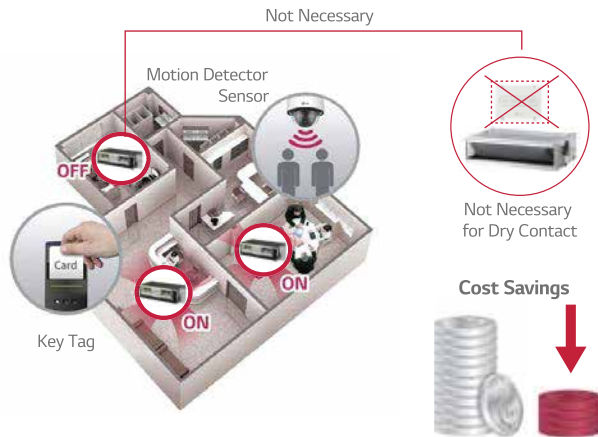
※ In case of needing more functions beside on / off control, a dry contact is required to be installed.

HIGH STATIC

ARNU76GB8A4 / ARNU96GB8A4

Model		Unit	ARNU76GB8A4	ARNU96GB8A4
Capacity	Cooling (Rated)	kW	22.4	28.0
		Btu/h	76,400	95,900
	Heating (Rated)	kW	25.2	31.5
		Btu/h	86,000	107,500
Power Input (H / M / L)		W	765 / 500 / 500	800 / 750 / 750
Dimensions (W x H x D)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	375 x 2	375 x 2
	Air Flow Rate (H / M / L)	m³/min	60.0 / 50.0 / 50.0	72.0 / 64.0 / 64.0
	External Static Pressure	mmAq (Pa)	22 (216)	22 (216)
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	87.0	87.0
Sound Pressure Levels (H / M / L)		dB(A)	45 / 41 / 40	47 / 42 / 41
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	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	ARNU76GB8A4	ARNU96GB8A4
Drain Pump	○	
Cassette Cover	–	
Independent Power Module	PRIP0	
Robot Cleaner	–	
Pre Filter (Washable)	○	
Ion Generator	–	
CO₂ Sensor	–	
Ventilation Kit	–	
IR Receiver	PWLRVN000	
Zone Controller	ABZCA	
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	

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

MID STATIC

ARNU07GM1A4 / ARNU09GM1A4
ARNU12GM1A4 / ARNU15GM1A4
ARNU18GM1A4 / ARNU24GM1A4

Model		Unit	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Capacity	Cooling (Rated)	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating (Rated)	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input (H / M / L)		W	39 / 30 / 25	40 / 32 / 26	46 / 38 / 31	67 / 53 / 46	85 / 63 / 55	91 / 74 / 58
Dimensions (W x H x D)	Body	mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	136 x 1	136 x 1	136 x 1	136 x 1	136 x 1	136 x 1
	Air Flow Rate (H / M / L)	m³/min	9.0 / 7.5 / 6.0	9.5 / 7.5 / 6.0	11.0 / 9.0 / 7.0	16.0 / 12.0 / 9.0	17.0 / 14.5 / 12.0	19.0 / 16.0 / 14.0
	External Static Pressure	mmAq (Pa)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	25	25	25	25	25	25.9
Sound Pressure Levels (H / M / L)		dB(A)	26 / 24 / 23	27 / 25 / 23	27 / 25 / 23	30 / 27 / 23	31 / 28 / 25	32 / 29 / 26
Power Supply		Ø, V, Hz	1,220 - 240, 50	1,220 - 240, 50	1,220 - 240, 50	1,220 - 240, 50	1,220 - 240, 50	1,220 - 240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	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	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Drain Pump	○					
Cassette Cover	–					
Independent Power Module	PRIP0					
Robot Cleaner	–					
Pre Filter (Washable)	○					
Ion Generator	–					
CO₂ Sensor	–					
Ventilation Kit	–					
IR Receiver	PWLRVN000					
Zone Controller	ABZCA					
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					

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

MID STATIC

ARNU28GM2A4 / ARNU36GM2A4
ARNU42GM2A4 / ARNU48GM3A4
ARNU54GM3A4 / ARNU60GM3A4

Model		Unit	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3A4	ARNU54GM3A4	ARNU60GM3A4
Capacity	Cooling (Rated)	kW	8.2	10.6	12.3	14.1	15.8	17.5
		Btu/h	28,000	36,200	42,000	48,100	54,000	60,000
	Heating (Rated)	kW	9.2	11.9	13.8	15.9	18.0	19.7
		Btu/h	31,500	40,600	47,000	54,200	61,400	67,500
Power Input (H / M / L)		W	123 / 81 / 57	184 / 123 / 81	231 / 162 / 111	172 / 105 / 65	260 / 215 / 172	280 / 239 / 198
Dimensions (W x H x D)	Body	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	350 x 1	350 x 1	350 x 1	400 x 1	400 x 1	400 x 1
	Air Flow Rate (H / M / L)	m³/min	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0	51.0 / 46.0 / 41.0
	External Static Pressure	mmAq (Pa)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre 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)	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)	Ø15.88 (5/8)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	36	36	37.2	42.2	42.2	44.0
Sound Pressure Levels (H / M / L)		dB(A)	38 / 36 / 35	40 / 38 / 36	42 / 41 / 39	41 / 38 / 37	42 / 41 / 40	41 / 40 / 39
Power Supply		Ø, V, Hz	1,220 - 240, 50	1,220 - 240, 50	1,220 - 240, 50	1,220 - 240, 50	1,220 - 240, 50	1,220 - 240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	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	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3A4	ARNU54GM3A4	ARNU60GM3A4
Drain Pump	○					
Cassette Cover	-					
Independent Power Module	PRIP0					
Robot Cleaner	-					
Pre Filter (Washable)	○					
Ion Generator	-					
CO₂ Sensor	-					
Ventilation Kit	-					
IR Receiver	PWLRVN000					
Zone Controller	ABZCA					
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					

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

LOW STATIC

ARNU05GL1G4 / ARNU07GL1G4
ARNU09GL1G4

Model		Unit	ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4
Capacity	Cooling (Rated)	kW	1.7	2.2	2.8
		Btu/h	5,800	7,500	9,600
	Heating (Rated)	kW	1.9	2.5	3.2
		Btu/h	6,500	8,500	10,900
Power Input (H / M / L)		W	29 / 26 / 24	31 / 28 / 24	39 / 29 / 24
Dimensions (W x H x D)	Body	mm	700 x 190 x 700	700 x 190 x 700	700 x 190 x 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 1	19 x 1	19 x 1
	Air Flow Rate (H / M / L)	m³/min	6.7 / 6.2 / 5.5	7.5 / 6.5 / 5.5	9.0 / 7.0 / 5.5
	External Static Pressure	mmAq (Pa)	2.54 (25)	2.54 (25)	2.54 (25)
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	16.3	16.3	16.3
Sound Pressure Levels (H / M / L)		dB(A)	25 / 24 / 22	26 / 24 / 22	28 / 25 / 22
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² 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	ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4
Drain Pump	○		
Cassette Cover	-		
Independent Power Module	PRIP0		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO₂ Sensor	-		
Ventilation Kit	-		
IR Receiver	PWLRVN000		
Zone Controller	ABZCA		
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		

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

INDOOR UNITS

CEILING CONCEALED DUCT

LOW STATIC

ARNU12GL2G4 / ARNU15GL2G4
ARNU18GL2G4

Model		Unit	ARNU12GL2G4	ARNU15GL2G4	ARNU18GL2G4
Capacity	Cooling (Rated)	kW	3.6	4.5	5.6
		Btu/h	12,300	15,400	19,100
	Heating (Rated)	kW	4.0	5.0	6.3
		Btu/h	13,600	17,100	21,500
Power Input (H / M / L)		W	41 / 34 / 29	56 / 41 / 34	71 / 56 / 41
Dimensions (W x H x D)	Body	mm	900 x 190 x 700	900 x 190 x 700	900 x 190 x 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1
	Air Flow Rate (H / M / L)	m³/min	10.0 / 8.5 / 7.0	12.5 / 10.0 / 8.5	15.0 / 12.5 / 10.0
	External Static Pressure	mmAq (Pa)	2.54 (25)	2.54 (25)	2.54 (25)
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	20.9	20.9	20.9
Sound Pressure Levels (H / M / L)		dB(A)	30 / 27 / 25	33 / 30 / 28	35 / 32 / 29
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² 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.
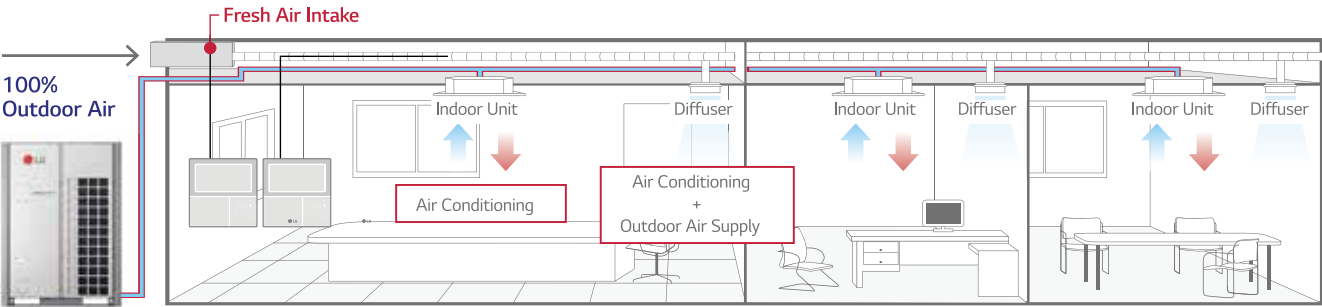
Accessories

Chassis	ARNU12GL2G4	ARNU15GL2G4	ARNU18GL2G4
Drain Pump		○	
Cassette Cover		–	
Independent Power Module		PRIP0	
Robot Cleaner		–	
Pre Filter (Washable)		○	
Ion Generator		–	
CO₂ Sensor		–	
Ventilation Kit		–	
IR Receiver		PWLRVN000	
Zone Controller		ABZCA	
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	

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

LOW STATIC

ARNU21GL3G4 / ARNU24GL3G4

Model		Unit	ARNU21GL3G4	ARNU24GL3G4
Capacity	Cooling (Rated)	kW	6.2	7.1
		Btu/h	21,000	24,200
	Heating (Rated)	kW	7.0	8.0
		Btu/h	23,900	27,300
Power Input (H / M / L)		W	72 / 53 / 48	103 / 63 / 48
Dimensions (W x H x D)	Body	mm	1,100 x 190 x 700	1,100 x 190 x 700
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 2	19 x 2
	Air Flow Rate (H / M / L)	m³/min	17.5 / 14.0 / 12.0	20.0 / 16.0 / 12.0
	External Static Pressure	mmAq (Pa)	2.54 (25)	2.54 (25)
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
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	24.2	24.2
Sound Pressure Levels (H / M / L)		dB(A)	35 / 29 / 28	36 / 33 / 28
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	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	ARNU21GL3G4	ARNU24GL3G4
Drain Pump		○
Cassette Cover		–
Independent Power Module		PRIP0
Robot Cleaner		–
Pre Filter (Washable)		○
Ion Generator		–
CO₂ Sensor		–
Ventilation Kit		–
IR Receiver		PWLRVN000
Zone Controller		ABZCA
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

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

INDOOR UNITS

CEILING CONCEALED DUCT

FRESH AIR INTAKE

Fresh Outdoor Air Supply

The LG Fresh Air Intake Unit (FAU) is the alternative solution for ventilation, which supplies the fresh outdoor air indoors as well as being able to cool and heat air inside simultaneously. It means the indoor space can have positive air pressure consistently, which can block cold, hot or contaminated air from outside. This allows the indoor space to have consistent positive air pressure blocking cold.
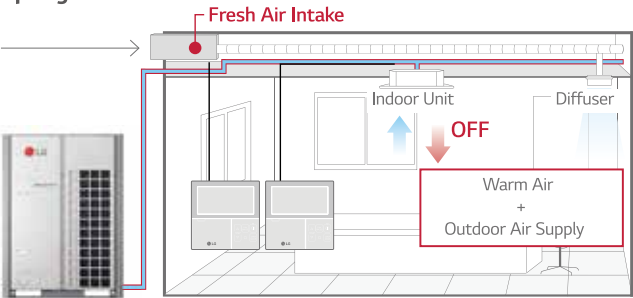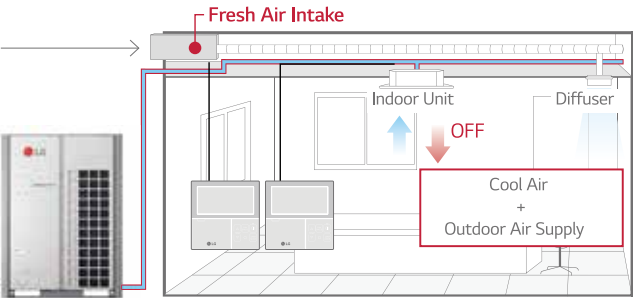
Fresh Air Intake

100% Outdoor Air

Indoor Unit · Diffuser · Indoor Unit · Diffuser · Indoor Unit · Diffuser

Air Conditioning

Air Conditioning + Outdoor Air Supply

MULTI V 5 Outdoor Unit

Economic Operation

Natural outdoor air is utilized as seasons change for cost efficiency.

Spring Season

Fresh Air Intake

Indoor Unit · Diffuser

OFF

Warm Air + Outdoor Air Supply

MULTI V 5 Outdoor Unit

Autumn Season

Fresh Air Intake

Indoor Unit · Diffuser

OFF

Cool Air + Outdoor Air Supply

MULTI V 5 Outdoor Unit

Installation Scene

Min. 2m

1/30 Slope

Outlet Air

Exhaust Air

①② ③ ④ ⑤
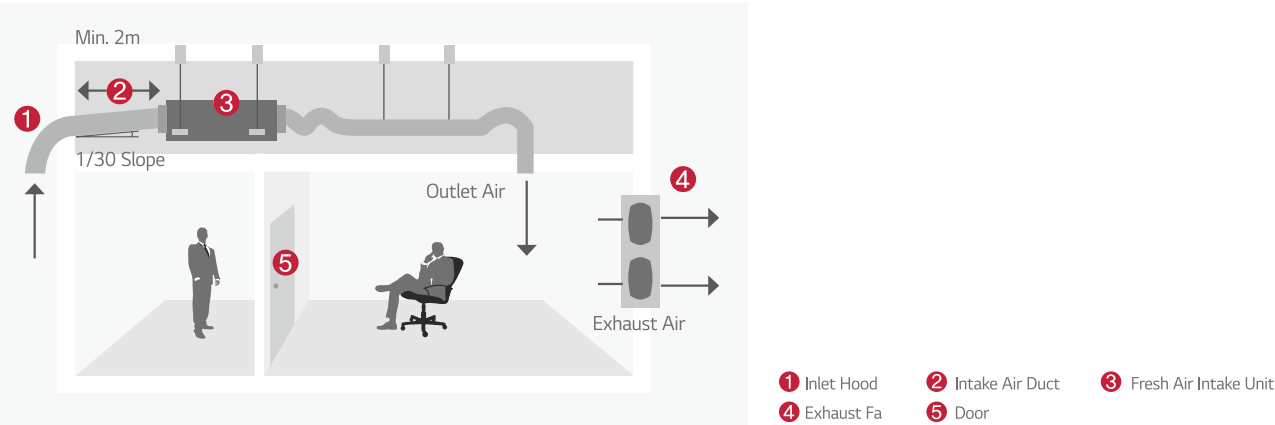
1 Inlet Hood
2 Intake Air Duct
3 Fresh Air Intake Unit
4 Exhaust Fa
5 Door

FRESH AIR INTAKE

ARNU76GB8Z4 / ARNU96GB8Z4

Model		Unit	ARNU76GB8Z4	ARNU96GB8Z4
Capacity	Cooling (Rated)	kW	22.4	28.0
		Btu/h	76,400	95,900
	Heating (Rated)	kW	21.4	26.7
		Btu/h	73,080	91,360
Power Input (H / M / L)		W	230 / 200 / 200	360 / 230 / 230
Dimensions (W x H x D)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	375 x 1	375 x 1
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m³/min	23.7 / 13.2 / 13.2	35.7 / 23.7 / 23.7
	External Static Pressure	mmAq (Pa)	22 (216)	22 (216)
	Motor Type		BLDC	BLDC
Air Filter			Long Life Filter	Long Life Filter
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	73.0	73.0
Sound Pressure Levels (H / M / L)		dB(A)	45 / 43 / 43	47 / 45 / 45
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	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.

⚠ CAUTION

1. Operation range (Cooling : 5°C ~ 43°C, Heating : -5°C ~ 43°C)　2. Installation of exhaust fan is recommended for a sealed room.　3. Indoor Unit Connection

No	Connection Condition	Combination
1	Fresh air intake units only are connected with outdoor units	1) The total capacity of fresh air intake unit should be 50 ~ 100% of outdoor unit. 2) The max. quantity of fresh air intake is 4 units.
2	Mixture connection with general indoor unit and fresh intake units	1) The total capacity of indoor units (Standard Indoor Unit + Fresh Air Intake Unit) should be 50 ~ 100% of outdoor unit. 2) The total capacity of fresh air intake unit should be less than 30% of the total capacity of indoor units.

Accessories

Chassis	ARNU76GB8Z4	ARNU96GB8Z4
Drain Pump	○	
Cassette Cover	-	
Independent Power Module	PRIP0	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO₂ Sensor	-	
Ventilation Kit	-	
IR Receiver	PWLRVN000	
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	

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

INDOOR UNITS

FRESH AIR INTAKE

COMPATIBILITY

Product / Controller	Premium PREMTA000 PREMTA000A PREMTA000B	Standard III PREMTBB10	Standard III PREMTB10	Standard II PREMTBB01	Standard II PREMTB001	Simple PQRCVCL0Q	Simple PQRCVC0QW	Simple for Hotel PQRCHCA0Q	Simple for Hotel PQRCH-CA0QW	Wireless PWLSSB21H (H/P) PWLSSB21C (C/O)	Dry Contact Simple Dry Contact PDRYCB000	Dry Contact 2 points Dry Contact PDRYCB400	Dry Contact Dry Contact for Thermostat PDRYCB300	Dry Contact For Modbus PDRYCB500
4 Way — ARNU-A4 / ARNU-B4	○	○		○		○		○		○	○	○	○	○
2 Way / 1 Way — ARNU-B4 / ARNU-A4	○	○		○		○		○		○	○	○	○	○
Round CST — ARNU-A4	○	○		○		○		○		○	○	○	○	○
High / Mid Statics — ARNU-A4	○	○		○		○		○		△	○	○	○	○
Low Statics — ARNU-G4	○	○		○		○		○		△	○	○	○	○
FAU (Fresh Air intake) — ARNU-Z4	○	○		○		○		○		△	○	○	○	○
Wall Mounted — ARNU-N4	○	○		○		○		○		○	○	○	○	○
Ventilation — Energy Recovery Ventilator	○	○		○		-		-		-	○	-	-	○
AHU Communication Kit	○	○		○		-		-		△	-	-	-	

※ ○ : Compatible, △ : Need wired remote controller / IR receiver, – : Not compatible
1) It has a separate remote controller.

FEATURE FUNCTIONS

	Controller Name / Model Name	Wired Remote Controller Premium PREMTA000 PREMTA000A PREMTA000B	Wired Remote Controller Standard III PREMTB100 PREMTBB10	Wired Remote Controller Standard II PREMTB001 PREMTBB01	Wired Remote Controller Simple PQRCVCL0Q PQRCVCL0QW	Wired Remote Controller Simple(Hotel) PQRCHCA0Q PQRCHCA0QW	Wireless Remote Controller PWLSSB21H (H/P) PWLSSB21C (C/O)	Wi-Fi Modem PWFMDD200
Basic	On / Off	○	○	○	○	○	○	○
	Fan Speed Control	○	○	○	○	○	○	○
	Temperature Setting	○	○	○	○	○	○	○
	Mode Change	○	○	○	○	-	○	○
	Auto Swing	○	○	○	○	○	○	○
	Vane Control (Louver Angle)	○	○	○	○	○	○	○
	E.S.P (External Static Pressure)	○	○	○	○	○	-	-
	Electric Failure Compensation	○	○	○	○	○	-	○
	Indoor Temperature Display	○	○	○	○	○	○	
	ALL Button Lock (Child Lock)	○	○	○	○	○	-	-
Advanced	Schedule / Timer	Weekly – Yearly	Weekly – Yearly	Weekly	-	-	Sleep / On / Off	Weekly
	Additional Mode Setting [1]	○	○	○	-	-	-	-
	Time Display	○	○	○	-	-	○	-
	Humid. Display	○	○	-	-	-	-	-
	Advanced Lock (mode, set point, set point range, on/off Lock)	Advanced Lock	Advanced Lock	-	-	-	-	-
	Filter Sign	○	○	○	-	-	-	-
	Energy Management [2]	○	○	○	-	-	-	-
	Dual Set Point	○	○	-	-	-	-	-
	Human Detection	-	○	-	-	-	-	-
	Temp, Humidity Compensation	○	○	-	-	-	-	-
	Wi-Fi AP mode setting	○	○	○	○	○	○	-
ETC	Operation Status LED	○	○	○	○	○	-	-
	Wireless Remote Controller Receiver	○[3]	-	○[3]	○[3]	○[3]	-	-
	Display	5 inch Color	4.3 inch Color	4.3 inch Color	2.6 inch Color	2.6 inch Color	2 inch Color	-
	Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	120 x 120 x 16	64 x 120 x 15	64 x 120 x 15	51 x 153 x 26	-
	Black Light Control for Screen Saver	○	○	-	-	-	-	-

※ ○ : Applied, – : Not Applied
1) It might not be indicated or operated at the partial product.
2) Centralized control (PACEZA000 / PACS5A000 / PACP5A000 / PLNWKB000) and PDI (PQNUD1S40 / PPWRDB000) should be installed for this function.
3) For ceiling type duct.
Note
– Indoor unit should have functions requested by the controller.
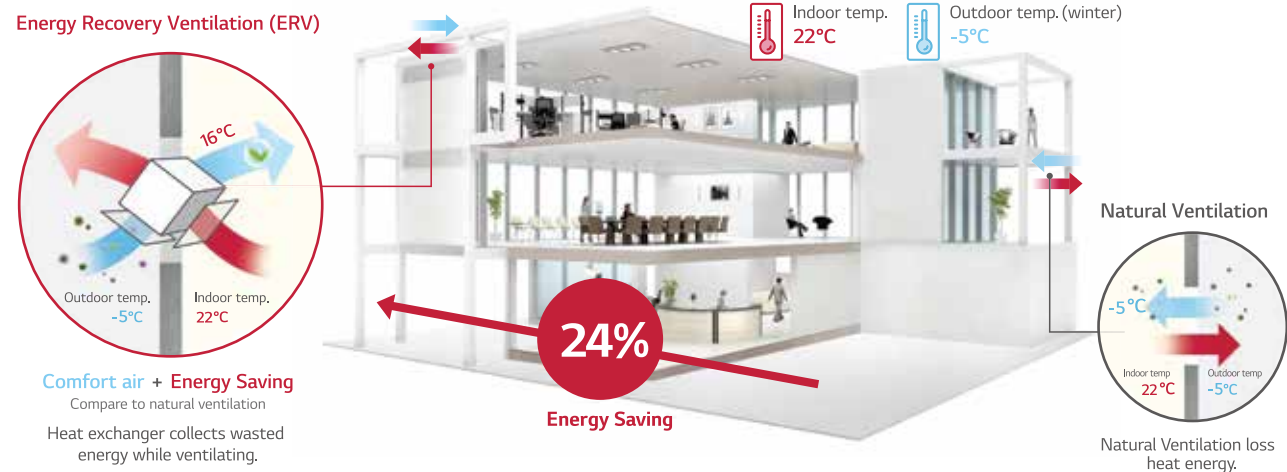– If you need more detail, please refer to the manual of product. (http://partner.lge.com: Home > Doc.Library > Manual)

VENTILATION
SOLUTIONS

—

ERV

ENERGY RECOVERY VENTILATION (ERV)

NECESSITY OF ERV

Energy Recovery Ventilation (ERV)

Indoor temp.
22°C

Outdoor temp. (winter)
-5°C

16°C

Outdoor temp.
-5°C

Indoor temp.
22°C

Natural Ventilation

Comfort air + Energy Saving
Compare to natural ventilation

Heat exchanger collects wasted energy while ventilating.

24%
Energy Saving

-5°C

Indoor temp
22°C

Outdoor temp
-5°C

Natural Ventilation loss heat energy.

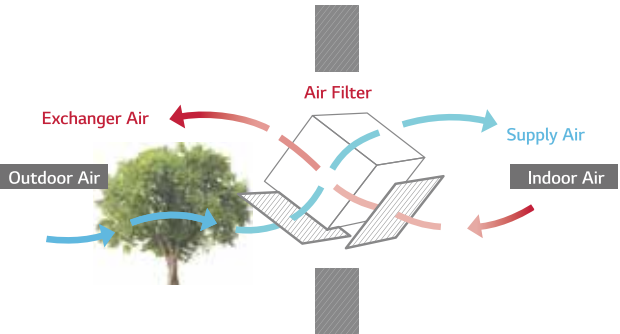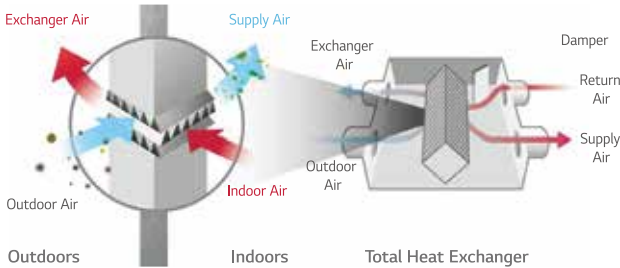
HIGH EFFICIENCY

High Efficiency Heat Exchanger

Efficiency and comfort is ensured through the high-efficiency energy recovery central core which recovers energy from the indoor air and transfers it to the fresh incoming air without mixing the air stream.

Air Filter

Exchanger Air

Outdoor Air
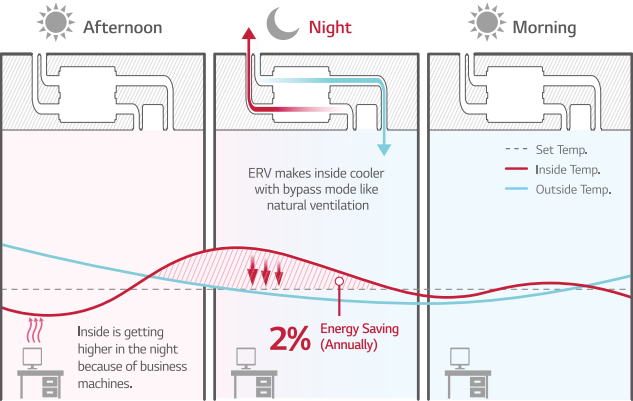
Supply Air

Indoor Air

Compulsory Exhaust System

The exhausting system using high static and sirocco fan removes contaminants effectively from indoor air. Supply and exhaust air flows are completely separated in the total heat exchanger, LG ERV can filter out the impurities before supplying outdoor air and make indoor air fresh and healthy.
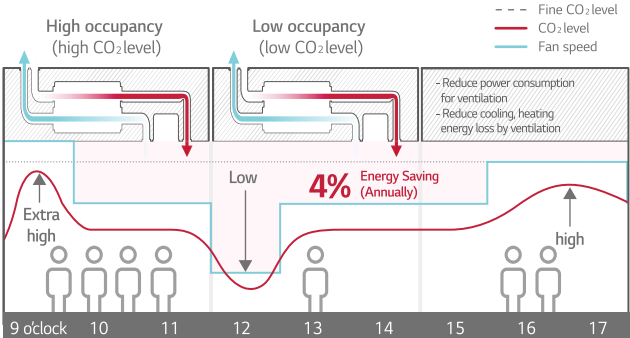
Exchanger Air

Supply Air

Exchanger Air

Damper

Return Air

Outdoor Air

Supply Air

Outdoor Air

Indoor Air

Outdoors

Indoors

Total Heat Exchanger

Night Time Free Cooling

During summer nights, indoor heat can be discharged outdoors and cool outdoor air can be brought indoors for energy savings.

Afternoon

Night

Morning

ERV makes inside cooler with bypass mode like natural ventilation

Set Temp.
Inside Temp.
Outside Temp.

Inside is getting higher in the night because of business machines.

2% Energy Saving (Annually)

※ This function is operated with 'Night Time Free Cooling' on remote controller. (with MULTI V only)
※ Energy saving ratio can be differed by weather condition.
※ Test Condition
 - Office (49,000ft^2) / Occupancy : 30 / Area : London, UK
 - ERV (1000 CMH) + MULTI V IV (12HP) Unit Combination
 - Other conditions are subject to BREEAM.

CO$_2$ Auto Operation

LG ERV reduces energy loss with auto fan speed control following CO$_2$ level

High occupancy (high CO$_2$ level)

Low occupancy (low CO$_2$ level)

Fine CO$_2$ level
CO$_2$ level
Fan speed

- Reduce power consumption for ventilation
- Reduce cooling, heating energy loss by ventilation

Extra high

Low

4% Energy Saving (Annually)

high

9 o'clock 10 11 12 13 14 15 16 17

※ This function is operated with 'Night Time Free Cooling' on remote controller. (with MULTI V only)
※ Energy saving ratio can be differed by weather condition.
※ Test Condition – Office (49,000ft^2) / Occupancy : 30 / Area : London, UK
 - ERV (1000 CMH) + MULTI V IV (12HP) Unit Combination
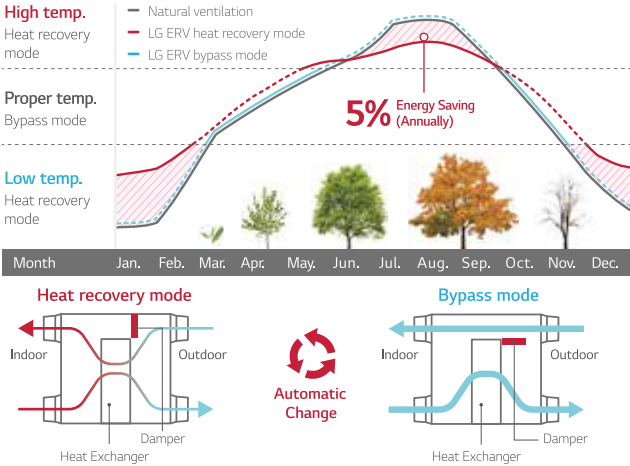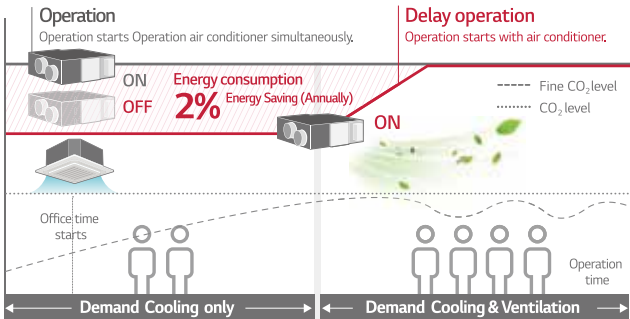 - Other conditions are subject to BREEAM.

Seasonal Auto Operation

LG ERV senses outdoor temperature and operates automatically following weather condition.

High temp.
Heat recovery mode

Natural ventilation
LG ERV heat recovery mode
LG ERV bypass mode

Proper temp.
Bypass mode

5% Energy Saving (Annually)

Low temp.
Heat recovery mode

Month   Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec.

Heat recovery mode

Bypass mode

Indoor Outdoor

Automatic Change

Indoor Outdoor

Damper

Heat Exchanger

Heat Exchanger

Damper

※ This function is operated with 'Auto' mode by wired remote control.
※ Energy saving ratio can be differed by weather condition.
※ Test Condition:- Office (49,000ft^2) / Occupancy : 30 / Area : London, UK
 - ERV (1,000 CMH) + MULTI V IV (12HP) Unit Combination
 - Other conditions are subject to BREEAM.

Delay Operation

When the air conditioner and ERV are switched on simultaneously, delay operation can reduce unnecessary heating and cooling energy loss by slowing down automatic ERV operation.

Operation
Operation starts Operation air conditioner simultaneously.

Delay operation
Operation starts with air conditioner.

ON
OFF

Energy consumption
2% Energy Saving (Annually)

ON

Fine CO$_2$ level
CO$_2$ level

Office time starts

Operation time

Demand Cooling only

Demand Cooling & Ventilation

※ This function is operated with 'Night Time Free Cooling' on remote controller. (with MULTI V only)
※ Energy saving ratio can be differed by weather condition.
※ Test Condition - Office (49,000ft^2) / Occupancy : 30 / Area : London, UK
 - ERV (1,000 CMH) + MULTI V IV (12HP) Unit Combination
 - Other conditions are subject to BREEAM.

COMFORT & RELIABILITY

CO₂ Level Monitoring

CO₂ sensor senses CO₂ level in the room. Users can monitor CO₂ level on new wired remote controller, and ERV controls the fan speed automatically following the level.
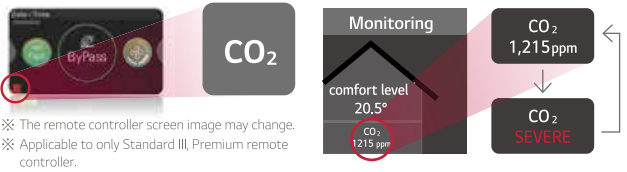
CO₂ Level Visualization

CO₂ sensor senses indoor CO₂ level and displays it on new wired remote controller.
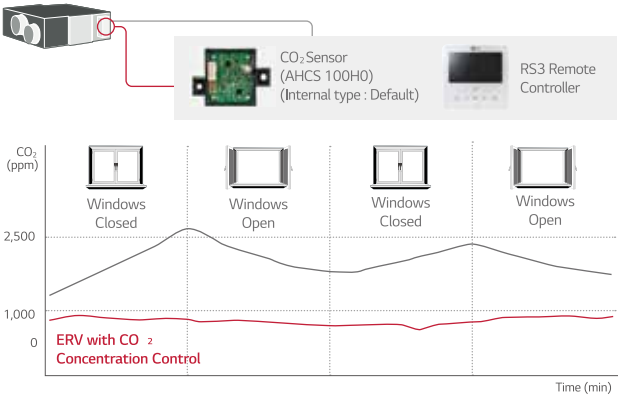
Main display
If the CO₂ level is above 900ppm in the room, the red mark is on.

※ The remote controller screen image may change.
※ Applicable to only Standard III, Premium remote controller.

Further information
CO₂ level and room condition are displayed continuously.

Monitoring

comfort level
20.5°
CO₂
1215 ppm
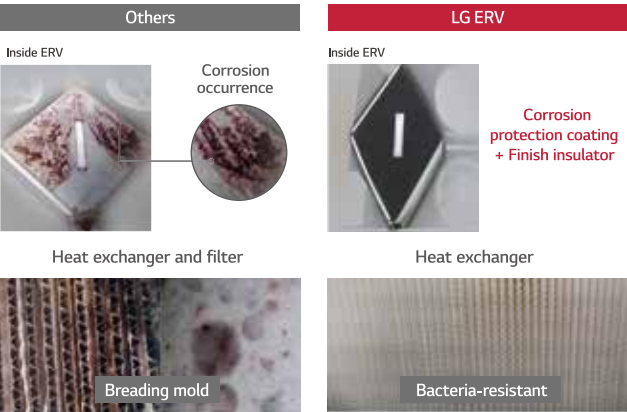
CO₂
1,215 ppm

CO₂
SEVERE

CO₂ Concentration Control

Using CO₂ sensor, LG ERV controls exhaust air flow automatically to keep indoor air fresh under settled CO₂ concentration.

CO₂ Sensor
(AHCS 100H0)
(Internal type : Default)

RS3 Remote Controller

CO₂ (ppm)

2,500

1,000

0

Windows Closed
Windows Open
Windows Closed
Windows Open

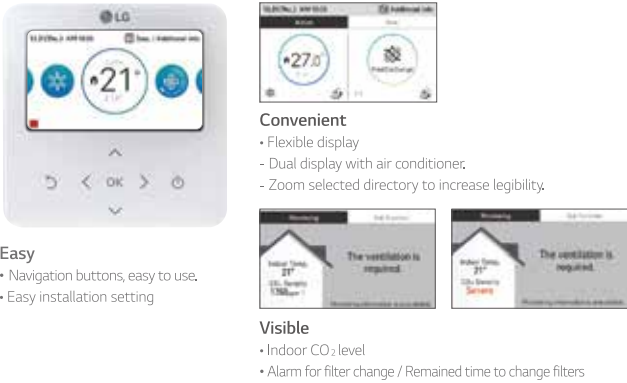ERV with CO₂ Concentration Control

Time (min)

High Durability

LG ERV durability is increased through bacteria-resistant material of heat exchanger and corrosion protection coating. It prevents shortening product life due to corrosion and mold and supplies high quality air to inside by minimizing the bacteria.

Others	LG ERV
Inside ERV	Inside ERV
Corrosion occurrence	Corrosion protection coating + Finish insulator
Heat exchanger and filter	Heat exchanger
Breading mold	Bacteria-resistant

CONVENIENCE

Easy Control

Wired remote controller is easy for usage.

Convenient
• Flexible display
- Dual display with air conditioner.
- Zoom selected directory to increase legibility.

Easy
• Navigation buttons, easy to use.
• Easy installation setting

Visible
• Indoor CO₂ level
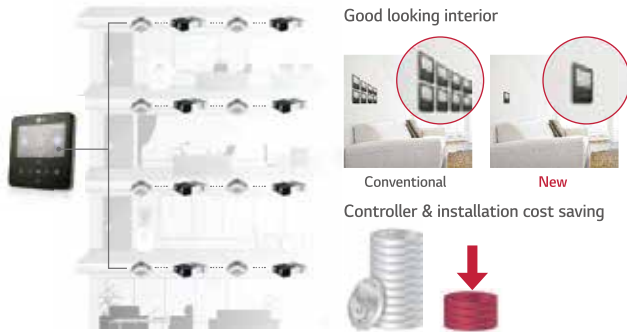• Alarm for filter change / Remained time to change filters

Group Control

1 wired remote controller up to 16 ERV (Including air conditioner). It is convenient for large common space such as lobby.

Several units combination
16 units group control is available with 1 remote controller.

Good looking interior

Conventional   New

Controller & installation cost saving
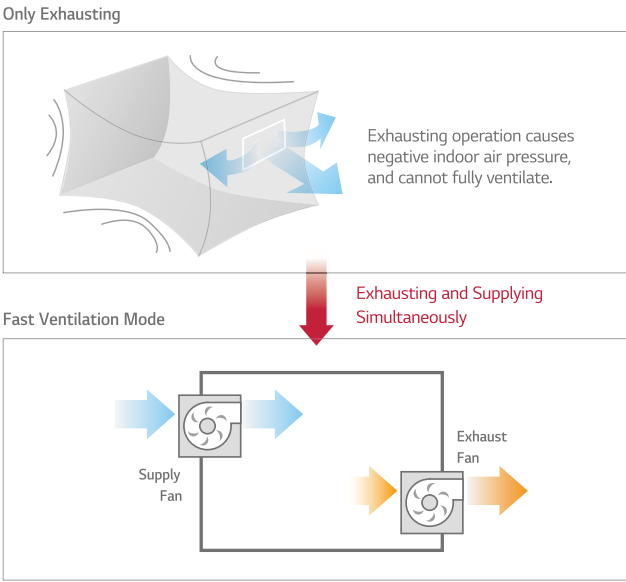
Interlocking with Air Conditioning System

- LG ERV can be interlocked with air conditioners and controlled individually.
- This function can be operated when the system is connected with 1 remote controller.

Remote Controller

MAX. 16
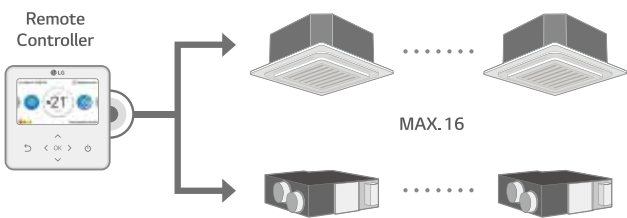
CONVENIENCE

Fast Ventilation Mode

Fast ventilation mode prevents the spread of contaminants under negative indoor pressure and makes indoor air fresh and comfortable quickly.

Only Exhausting

Exhausting operation causes negative indoor air pressure, and cannot fully ventilate.

Fast Ventilation Mode

Exhausting and Supplying Simultaneously

Supply Fan

Exhaust Fan

External Static Pressure Control

The high static pressure fan can control the air volume depending on the length of the duct. It is also easy to control the pressure level by using the remote controller for a more flexible duct installation and easier testing.

Air Volume

H
M
L

H
M
L

External Static Pressure (mmAq)
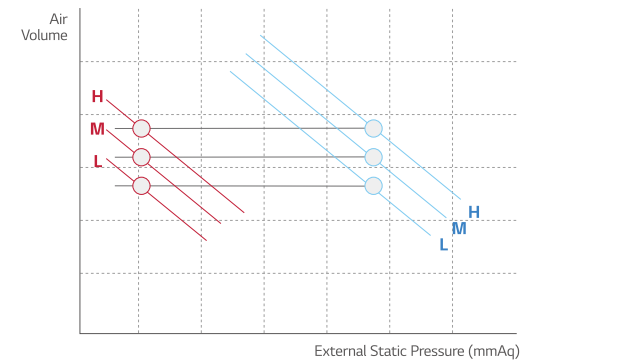
Easy Cleaning and Filter Change

Filter can be conveniently changed and cleaned.

ERV Unit   Remove Side Panel

Change Filter   Remove Heat Exchanger
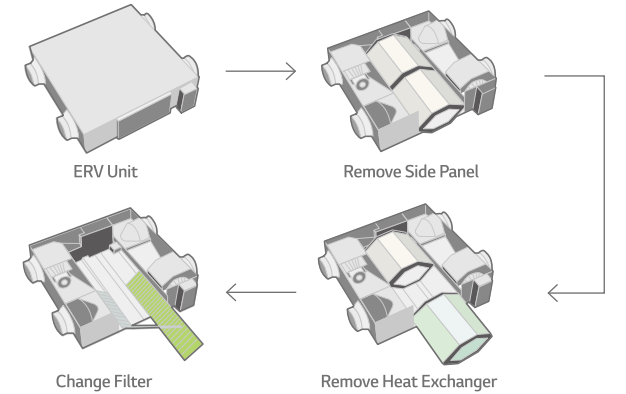
Providing Cool & Warm Fresh Air

During the summer, ERV DX can transform outdoor warm air into cool air for indoors and it can prevent cold drafts during the winter by supplying warm air.

Cooling

Heating
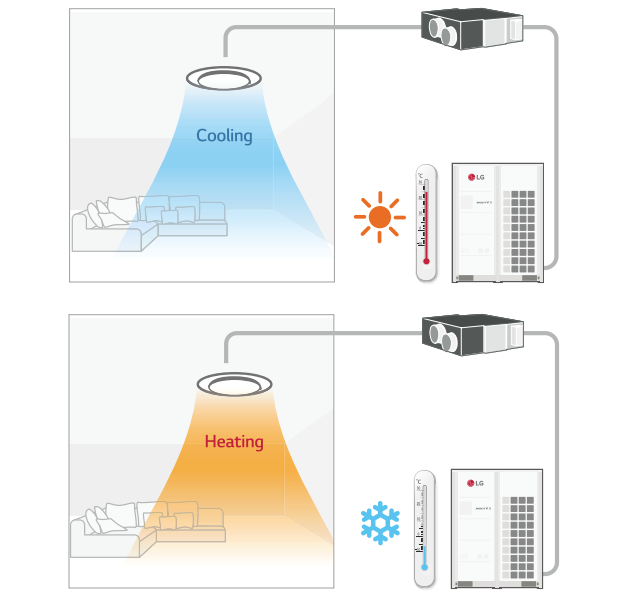
Total Air Conditioning Solution

LG ERV DX can be used as a Total Air Conditioning Solution. It can control condition of incoming air with the DX coil and humidifier for making comfortable indoor air.
In the summer, LG ERV DX controls the air indoors by cooling and dehumidifying incoming air. In winter, it can provide warm air by heating and humidifying the incoming air.

Heat Exchange   DX Coil   Humidification

Exhaust Air   Supply Air

Outdoor Air   Return Air
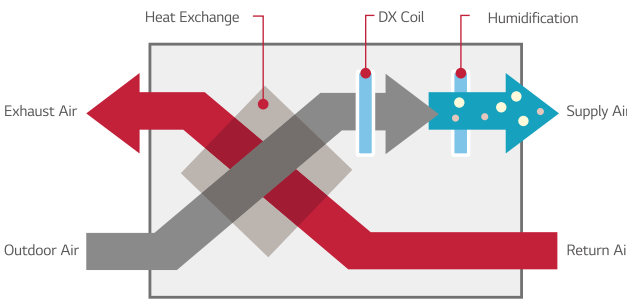
Interlocking with MULTI V

LG ERV DX can be interlocked with MULTI V.
It can be controlled individually by a wired remote controller connected to MULTI V indoor units.

Indoor Units

Outdoor unit

ERV DX
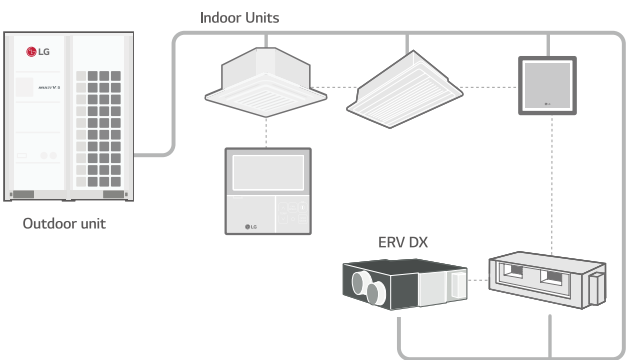
ERV

LZ-H025GBA4 / LZ-H035GBA4
LZ-H050GBA4

Model				LZ-H025GBA4	LZ-H035GBA4	LZ-H050GBA4
Nominal Capacity			CMH (CFM)	250 (147)	350 (206)	500 (294)
Power Supply			Ø, V, Hz	1, 220-240, 50 / 60		
ERV Mode	Step		-	SUPER-HIGH / HIGH / LOW		
	Current	SH / H / L	Amps	0.70 / 0.60 / 0.42	1.10 / 0.95 / 0.60	1.92 / 1.58 / 0.79
	Power Input	SH / H / L	W	97 / 78 / 52	180 / 163 / 88	240 / 220 / 90
	Air Flow	SH / H / L	CMH (CFM)	250 / 250 / 150 (147 / 147 / 88)	350 / 350 / 210 (206 / 206 / 123)	500 / 500 / 320 (294 / 294 / 124)
	External Static Pressure	SH / H / L	Pa (inWTR)	100 / 70 / 50 (0.40 / 0.28 / 0.20)	150 / 130 / 100 (0.60 / 0.52 / 0.40)	150 / 100 / 50 (0.60 / 0.40 / 0.20)
	Temperature Exchange Efficiency	SH / H / L	%	80 / 80 / 83	75 / 75 / 77	78 / 78 / 79
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	70 / 70 / 72	68 / 68 / 70	73 / 73 / 75
		Cooling (SH / H / L)	%	66 / 66 / 68	63 / 63 / 65	66 / 66 / 69
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	29 / 28 / 24	32 / 30 / 27	34 / 32 / 25
Bypass Mode	Step		-	SUPER-HIGH / HIGH / LOW		
	Current	SH / H / L	Amps	0.70 / 0.60 / 0.42	1.10 / 0.95 / 0.60	1.92 / 1.58 / 0.79
	Power Input	SH / H / L	W	97 / 78 / 52	180 / 163 / 88	240 / 220 / 90
	Air Flow	SH / H / L	CMH (CFM)	250 / 250 / 150 (147 / 147 / 88)	350 / 350 / 210 (206 / 206 / 123)	500 / 500 / 320 (294 / 294 / 124)
	External Static Pressure	SH / H / L	Pa (inWTR)	100 / 70 / 50 (0.40 / 0.28 / 0.20)	150 / 130 / 100 (0.60 / 0.52 / 0.40)	150 / 100 / 50 (0.60 / 0.40 / 0.20)
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	29 / 29 / 25	32 / 30 / 27	35 / 33 / 25
Heat Exchanger	Type		-	Air to air cross flow heat exchange		
Net Weight			kg	44	44	44
Dimension	W x H x D		mm	988 x 273 x 1,014	988 x 273 x 1,014	988 x 273 x 1,014
Duct Work	Qty		EA	4		
	Size (Ø)		mm	Ø200		
Supply Air Fan	Qty		EA	1		
	Type		-	Direct-Drive (Sirocco Fan)		
Exhaust Air Fan	Qty		EA	1		
	Type		-	Direct-Drive (Sirocco Fan)		
Filters (Default)	Qty		EA	2		2
	Type		-	Cleanable fibrous fleeces		
	Size (W x H x D)		mm	855 x 10 x 160		855 x 6 x 230
Filters (Optional)	Model		-	AHFT035H0		AHFT050H0
	Qty		EA	2		2
	Type		-	F7		F7
	Size (W x H x D)		mm	423.5 x 132 x 25		425 x 194 x 25
Dry Contact				PDRYCB000		

Note : 1. ERV mode : Total Heat Recovery Ventilation mode
    2. Refer to dimensional drawings.
    3. Noise level :
      - The operating conditions are assumed to be standard.
      - Sound measured at 1.5m below the center the body.
      - 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.
      - The sound level at the air discharge port is about 8 dB(A) higher than the unit's operating sound.
    4. Temperature and Enthalpy Exchange Efficiency at cooling Indoor Temperature : 26.5°C DB, 64.5% RH, Outdoor Temperature : 34.5°C DB, 75% RH
    5. Temperature and Enthalpy Exchange Efficiency at heating Indoor Temperature : 20.5°C DB, 59.5% RH, Outdoor Temperature : 5°C DB, 65% RH
    6. Temperature Exchange efficiency is tested at heating condition.

ERV

LZ-H080GBA4 / LZ-H100GBA4
LZ-H150GBA4 / LZ-H200GBA4

Model				LZ-H080GBA4	LZ-H100GBA4	LZ-H150GBA4	LZ-H200GBA4
Nominal Capacity			CMH (CFM)	800 (471)	1,000 (589)	1,500 (883)	2,000 (1,177)
Power Supply			Ø, V, Hz	1, 220-240, 50 / 60			
ERV Mode	Step		-	SUPER-HIGH / HIGH / LOW			
	Current	SH / H / L	Amps	2.77 / 2.16 / 1.44	3.41 / 2.90 / 1.76	5.60 / 5.40 / 2.90	6.80 / 5.90 / 3.60
	Power Input	SH / H / L	W	390 / 280 / 187	480 / 385 / 210	780 / 540 / 377	960 / 770 / 420
	Air Flow	SH / H / L	CMH (CFM)	800 / 800 / 660 (471 / 471 / 388)	1,000 / 1,000 / 800 (589 / 589 / 471)	1,500 / 1,500 / 1,200 (883 / 883 / 706)	2,000 / 2,000 / 1,600 (1,177 / 1,177 / 942)
	External Static Pressure	SH / H / L	Pa (inWTR)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)
	Temperature Exchange Efficiency	SH / H / L	%	79 / 79 / 82	77 / 77 / 78	79 / 79 / 82	77 / 77 / 78
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	72 / 72 / 74	70 / 70 / 72	72 / 72 / 74	70 / 70 / 72
		Cooling (SH / H / L)	%	63 / 63 / 66	59 / 59 / 63	63 / 63 / 66	59 / 59 / 63
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	40 / 37 / 31	41 / 38 / 32	43 / 40 / 34	44 / 41 / 35
Bypass Mode	Step		-	SUPER-HIGH / HIGH / LOW			
	Current	SH / H / L	Amps	2.77 / 2.16 / 1.44	3.41 / 2.90 / 1.76	5.60 / 5.40 / 2.90	6.80 / 5.90 / 3.6
	Power Input	SH / H / L	W	390 / 280 / 187	480 / 385 / 21	780 / 540 / 377	960 / 770 / 420
	Air Flow	SH / H / L	CMH (CFM)	800 / 800 / 660 (471 / 471 / 388)	1,000 / 1,000 / 800 (589 / 589 / 471)	1,500 / 1,500 / 1,200 (883 / 883 / 706)	2,000 / 2,000 / 1,600 (1,177 / 1,177 / 942)
	External Static Pressure	SH / H / L	Pa (inWTR)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	41 / 38 /32	41 / 39 / 33	44 / 41 / 35	44 / 42 / 36
Heat Exchanger	Type		-	Air to air cross flow heat exchange			
Net Weight			kg	62		140	
Dimension	W x H x D		mm	1,062 x 365 x 1,140		1,313 x 738 x 1,140	
Duct Work	Qty		EA	4		4 + 2	
	Size (Ø)		mm	Ø250		Ø250 + Ø350	
Supply Air Fan	Qty		EA	1		2	
	Type		-	Direct-Drive (Sirocco Fan)			
Exhaust Air Fan	Qty		EA	1		2	
	Type		-	Direct-Drive (Sirocco Fan)			
Filters (Default)	Qty		EA	2		4	
	Type		-	Cleanable fibrous fleeces			
	Size (W x H x D)		mm	1,056 x 6 x 212.5			
Filters (Optional)	Model		-	AHFT100H0			
	Qty		EA	2		4	
	Type		-	F7			
	Size (W x H x D)		mm	520 x 192 x 25			
Dry Contact				PDRYCB000			

Note : 1. ERV mode : Total Heat Recovery Ventilation mode
    2. Refer to dimensional drawings.
    3. Noise level :
      - The operating conditions are assumed to be standard.
      - Sound measured at 1.5m below the center the body.
      - 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.
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VENTILATION SOLUTIONS

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