

LG Electronics

Ahead of the Expected
with LG HVAC Solutions

INDOOR UNITS

MULTI V™

Total Air Solution Provider

LG

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

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	22.4	28.0
	BTU	5k	7k	9k	12k	15k	18k	21k	24k	28k	30k	36k	42k	48k	54k	76k	96k
4th generation Wall Mounted	Standard	●	●	●	●	●	●		●								
4th generation Ceiling Mounted Cassette	4 Way Cassette (570 × 570)	●	●	●	●	●	●	●									
	4 Way Cassette (840 × 840)								●	●	●	●	●	●	●		
	Dual Vane 4 Way Cassette (840 × 840)								●	●	●	●	●	●			
	Round Ceiling Cassette								●			●		●			
	2 Way Cassette			●	●		●		●								
	1 Way Cassette		●	●	●		●		●								
4th generation Ceiling Concealed Duct	High Static															●	●
	Mid Static		●	●	●	●	●		●	●		●	●	●	●		
	Low Static (Slim)	●	●	●	●	●	●	●	●								
4th generation Fresh Air Intake														●		●	●
4th generation Ceiling Suspended							●		●			●		●			
Floor Standing (PAC)														●			●

Type \ CMH	150	200	250	350	500	800	1000
ERV			●	●	●	●	●
ERV with DX COIL					●	●	●
Residential ERV	●	●					

	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
4th generation Wall Mounted	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
4th generation Ceiling Mounted Cassette	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
4th generation Ceiling Concealed Duct	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4th generation Fresh Air Intake	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4th generation Ceiling Suspended	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Floor Standing (PAC)	●			●	●	●	●	●	●	●	●			●	●	●

INDOOR UNITS

WALL MOUNTED

CEILING MOUNTED CASSETTE

CEILING MOUNTED ROUND CASSETTE

CEILING CONCEALED DUCT

FRESH AIR INTAKE

CEILING SUSPENDED

FLOOR STANDING (PAC)





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
- Hotel
- Restaurant
- Multi-family Residence
- Office

WALL MOUNTED		STANDARD
Smart	Wi-Fi	○
Energy Efficiency	Energy Display	○
Fast Cooling & Heating	Jet Cool	○
	Auto Swing (Up & Down)	○
Health	Ionizer	○ (up to 24,000 Btu/h)
	Pre Filter	○
	Auto Cleaning	○
Comfort	Sleep Mode	○
	Timer (On / Off)	○
	Timer (Weekly)	○
	Two Thermistor Control	○
	Group Control	○

※ ○: Applied, - : Not applied

Wi-Fi Control

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

ThinQ

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

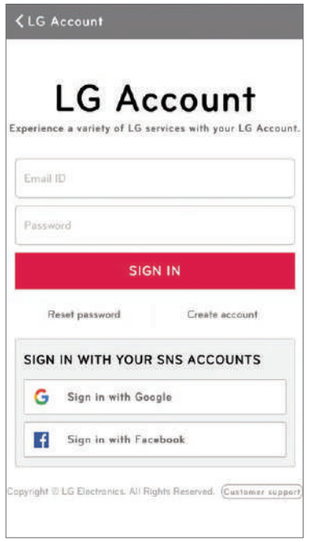
Integrated Home Appliances Control

Control / Monitor all your LG appliances from one place.



Easy Registration and Log-in

Follow the easy set-up steps that will activate ThinQ's user-friendly features.



Simple operation for various functions



On / Off, Current Temp



Mode, Set Temp



Vane Control

Straight forward Management



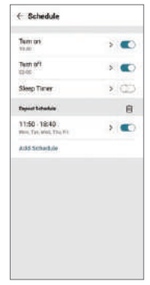
Energy Monitoring



Smart Diagnosis



Filter Management



Reservation

※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

Wi-Fi Control

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

ThinQ

Search “ThinQ” on Google market or the App Store to download the app.

Access Your Air Conditioner Anytime and from Anywhere

with a Wi-Fi equipped device and LG’s exclusive control app, ThinQ.



Wi-Fi Connectivity

Each user can set and save temperature and fan speed preferences in the 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



※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

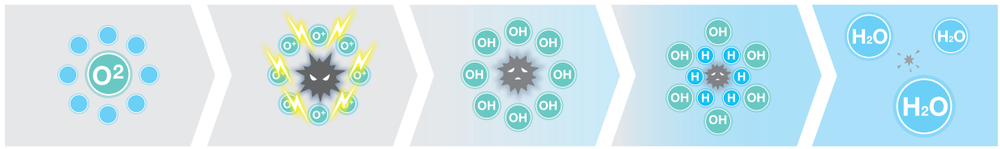
Ionizer^{PLUS}

The powerful Ionizer protects you from bad odors and Escherichia coli and Staphylococcus in the surface with over 8 million ions to reduce to make a safer, and cleaner environment.

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

Reduction and Deodorization (Utilizes Over 8 Million Ions)

Ionizer+ reduces E.coli and Staphylococcus in the surface with over 8 million ions.



Ion Cluster Generation
Ions are released into air

Surrounding Harmful Substances
H- and O- bond to harmful particles

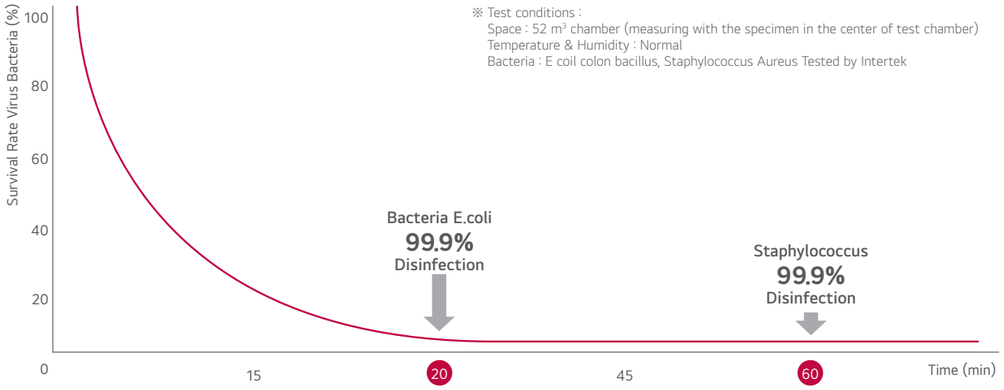
OH Radical Production
OH radicles inactivate harmful substances

Chemical Reaction
OH radicles bond with H particles

Disinfection
H_2O molecules are produced

Reduction Performance Evaluations

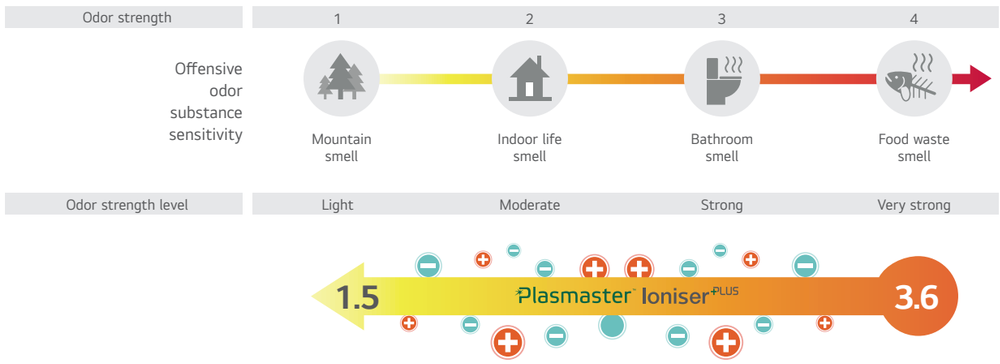
Reduce Bacteria E.coli over 99.9% in 20 min. and staphylococcus over 99.9% in 60 min.



※ Test conditions :
Space : 52 m^3 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/m^3) or less indicates that the level of odor falls within permissible limits.



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

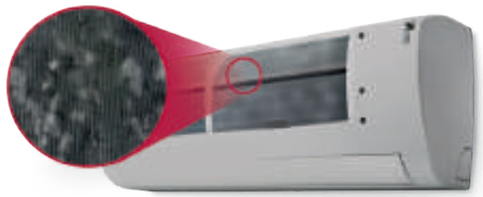
※ Test conditions Space : 8 m^3 chamber
Temperature & Humidify : Normal
Tested by Intertek

Auto Cleaning

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

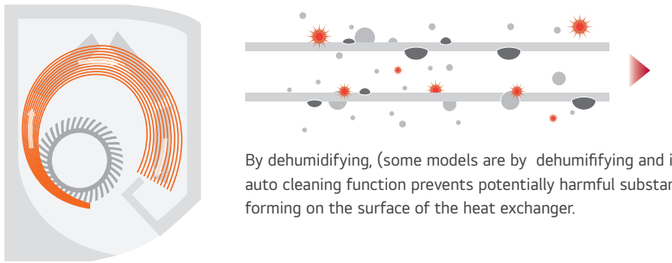
Pain Point

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.

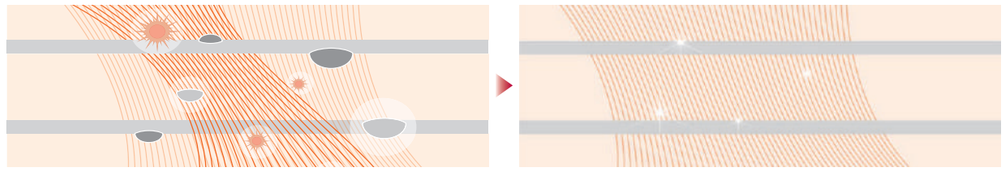


Cleans Filter with Regular Airflow

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



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

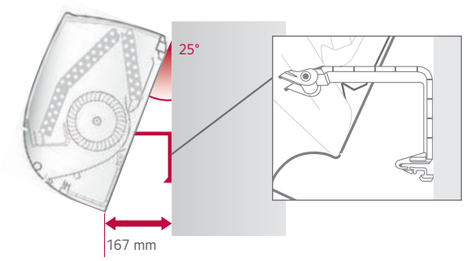


The indoor environment remains odorless with the advanced deodorizing function.

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

Installation Support Clip

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



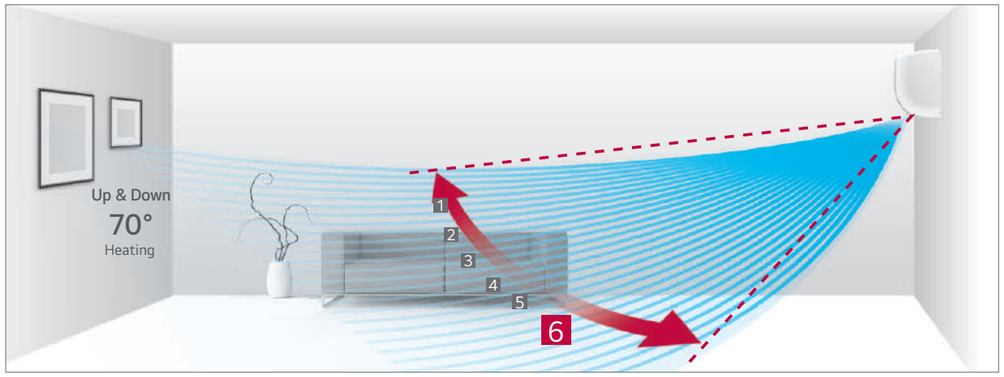
Auto Swing

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°

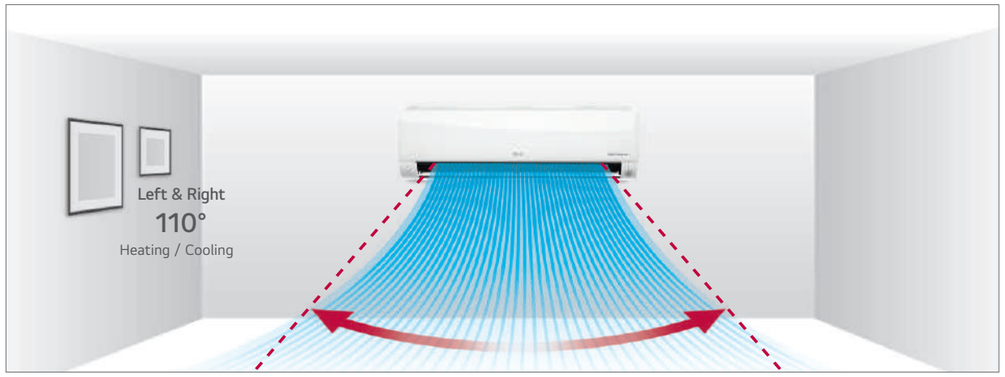
The vertical vane, which moves up and down, has 6 different settings including full-auto swing.



※ 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.



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

Easy and Simple Control

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

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Up / Down Swing

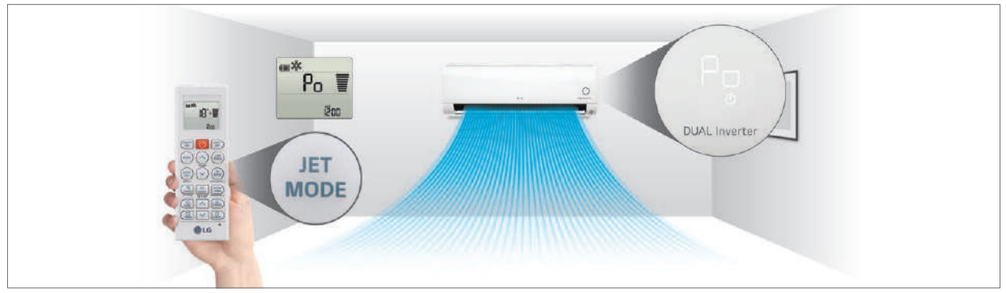
Jet Cool

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

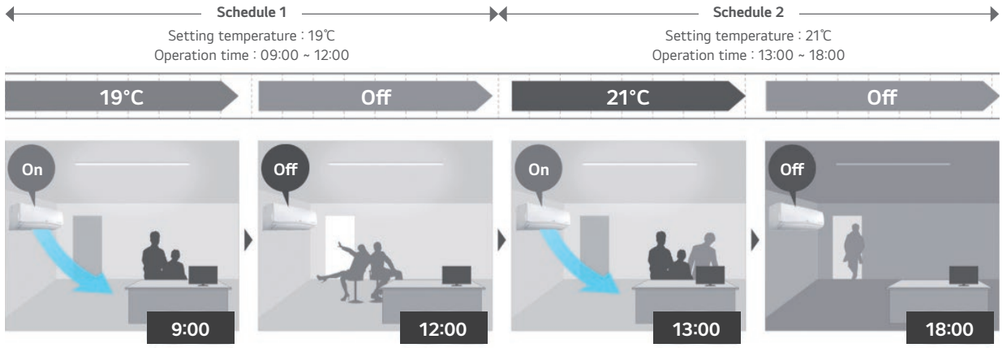
By reducing the second vortex, which decreases airflow within the air outlet, and enlarging the fan size, the amount of air flow is increased to 13 CMM.



Scheduled Operation

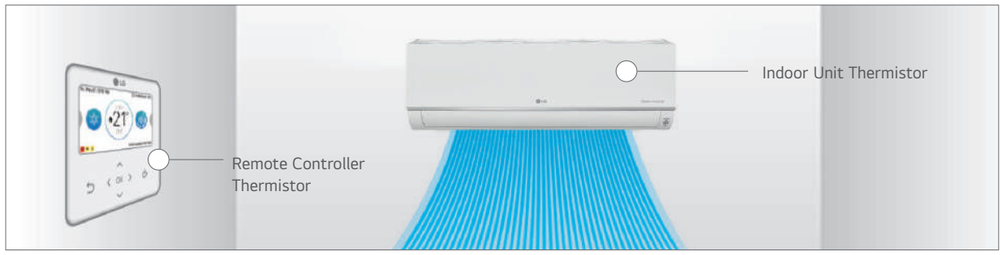
You can set the daily temperature, fan speed, the operation mode and automatic on / off time for two weeks. It will keep running on that time until cancelled by the user.

※ This function is for wired remote controller only.
※ Wired remote controller is need to be separately purchased.



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 optimise indoor air temperature for a more comfortable environment.



Group Control

Group control by remote controller (PREMTB101 / PREMTBB10) has more functions than previous model.



ARNU05GSJN4 / ARNU07GSJN4 / ARNU09GSJN4
ARNU12GSJN4 / ARNU15GSJN4



MODEL		UNIT	ARNU05GSJN4	ARNU07GSJN4	ARNU09GSJN4	ARNU12GSJN4	ARNU15GSJN4
Cooling Capacity		kW	1.6	2.2	2.8	3.6	4.5
		Btu/h	5,500	7,500	9,600	12,300	15,400
Heating Capacity		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
Dimensions (W × H × D)	Body	mm	818 × 316 × 189	818 × 316 × 189	818 × 316 × 189	818 × 316 × 189	818 × 316 × 189
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output × Number	W	30 × 1	30 × 1	30 × 1	30 × 1	30 × 1
	Air Flow Rate (H / M / L)	m^3/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)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (ID)	mm (inch)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (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		Φ, 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	1, 220-230-240, 50/60
Communication Cable		mm^2 × cores	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Color			White	White	White	White	White

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB,
     Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB,
     Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU05GSJN4	ARNU07GSJN4	ARNU09GSJN4	ARNU12GSJN4	ARNU15GSJN4
Drain Pump	-				
Cassette Cover	-				
Refrigerant Leakage Detector	PRLDNVS0 (R410a)				
EEV Kit	PRGK024A0				
Multi-tenant Power Module	PINPMB001				
Robot Cleaner	-				
Pre Filter (Washable)	○				
Ion Generator	○				
CO_2 Sensor	-				
Ventilation Kit	-				
IR Receiver	-				
Zone Controller	-				
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)				
External Input (1 Point)	○				
Wi-Fi	○				

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

ARNU18GSKN4 / ARNU24GSKN4



MODEL		UNIT	ARNU18GSKN4	ARNU24GSKN4
Cooling Capacity		kW	5.6	7.1
		Btu/h	19,100	24,200
Heating Capacity		kW	6.3	7.5
		Btu/h	21,500	25,600
Power Input (H / M / L)		W	32 / 26 / 16	39 / 26 / 16
Dimensions (W × H × D)	Body	mm	975 × 354 × 209	975 × 354 × 209
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output × Number	W	58 × 1	58 × 1
	Air Flow Rate (H / M / L)	m^3/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)	Ø 6.35 (1/4)	Ø 9.52(3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 15.88(5/8)
	Drain Pipe (ID)	mm (inch)	16 (5/8)	16 (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		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C
Color			White	White

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB,
     Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB,
     Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU18GSKN4	ARNU24GSKN4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	○	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	○	

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



Features & Benefits

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

Key Applications

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

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

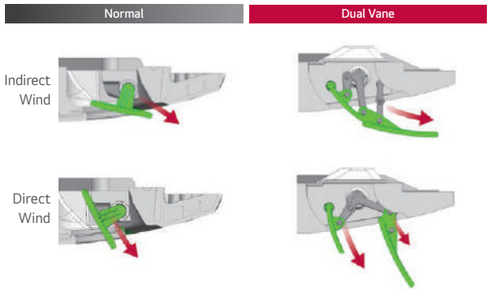
※ ○: Applied, - : Not applied

4 Way Air Flow with New Design

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



*New Types 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

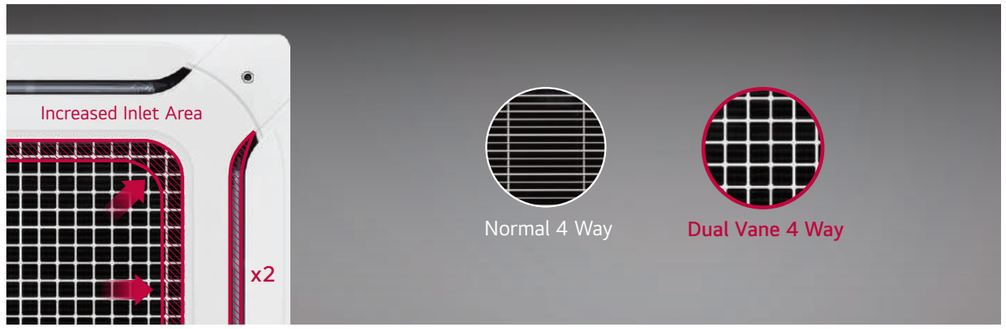


Dual Vane White



Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.



Full 3D Turbo Fan

Full 3D Turbo fan decreases air resistance, so it creates high efficiency and reduces noise level.

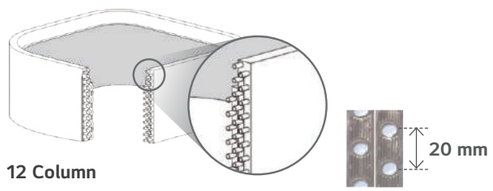
Normal Ivory | Dual Vane White



High Efficiency Heat Exchanger (HEX)

Ø 5 High Density Heat Exchanger increases cooling / heating efficiency by 10%.

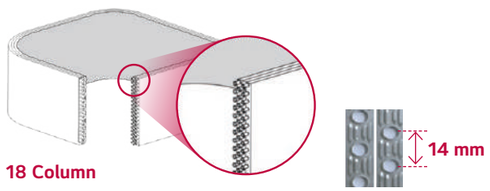
Normal Ø 7 HEX



12 Column

Tube Column	12 Column
Fin per Inch	21

High Efficient Ø 5 HEX



18 Column

Tube Column	18 Column
Fin per Inch	22

Ceiling to Floor Temperature Sensing

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



Human Detection Air Flow

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

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

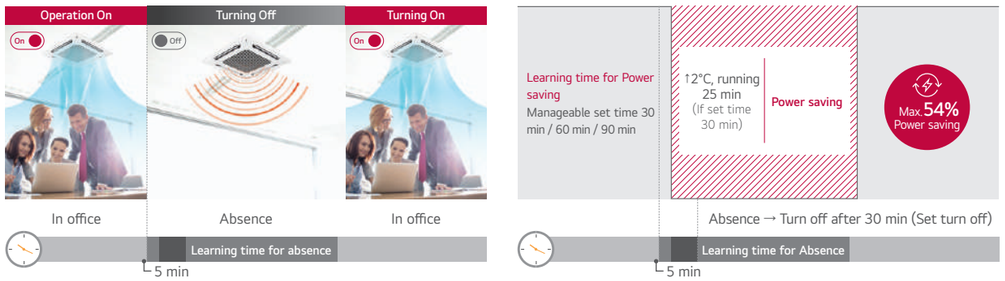


Direct Cooling
Provides air flow that blows directly onto user for cooling.



Human Detection for Optimized Efficiency

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



※ Smart Dual Vane indoor unit '19 line up.
※ Data based on actual test of LG, single product 2 hours measurement result. (Cooling 26℃, strong wind)

High-performance Air Cleaning

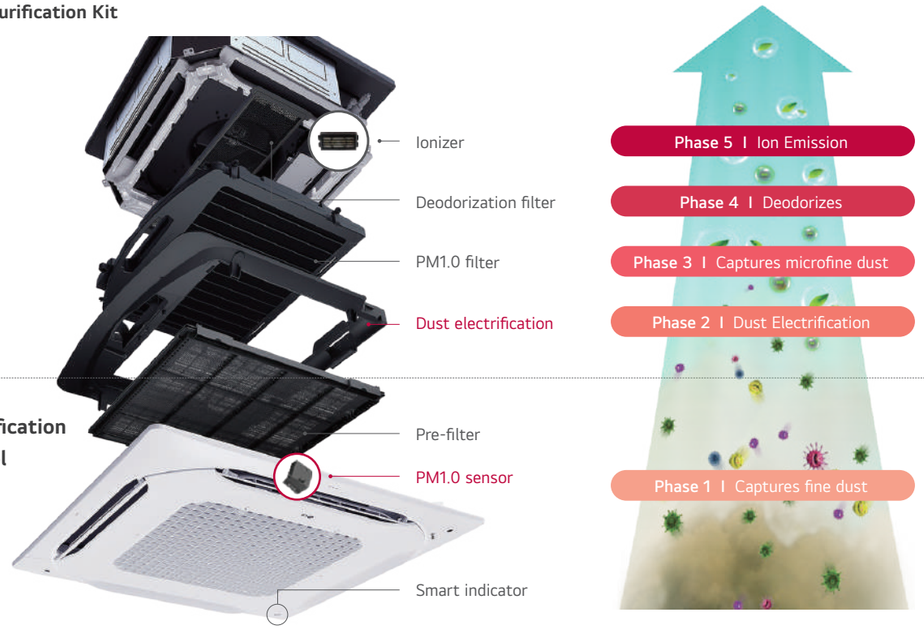
Air cleaning function provides fresh, filtered air.



Convenient & Powerful 5-step Air Purification

Easy-to-manage air purification system with one-touch air purification filter.

Air Purification Kit



Air Purification Panel

Cycle Management

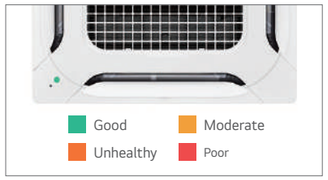
Pre-filter	PM1.0 Filter	Deodorization Filter
Washable	6 months / Washable	6 months / Dry in sunlight

Air Quality Level Display

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

① IDU LED

Real-time indoor air quality level displayed on indoor unit



② Remote controller

Air quality level displayed on remote controller



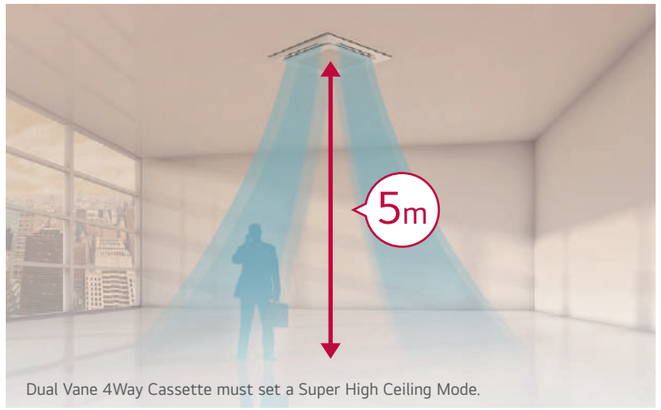
③ Mobile

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



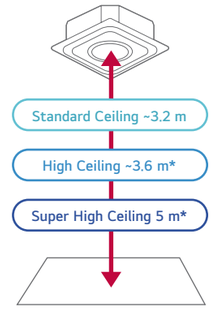
Direct Wind

Wind can reach up to 5 m with plenty air volume. (@ 0.5 ms)



Dual Vane 4Way Cassette must set a Super High Ceiling Mode.

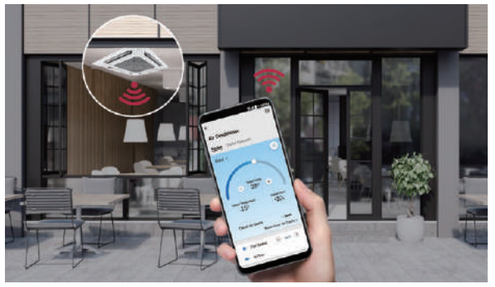
Recommended direct wind reach



* Settings are required in installer mode.

ThinQ Connectivity

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



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.

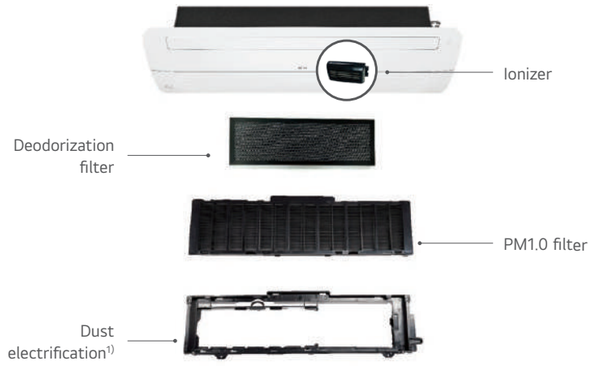
③ Display power consumption : Check power consumption of A/C
• Check energy display
• Set target energy consumption level

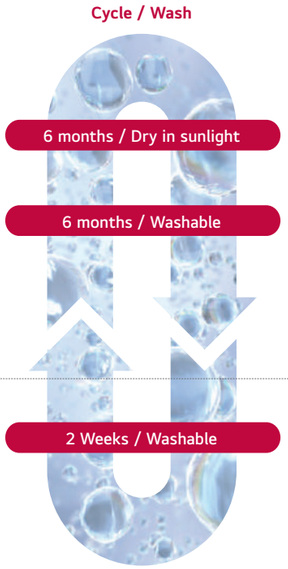
※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

Easy Filter Cleaning for Air Purification

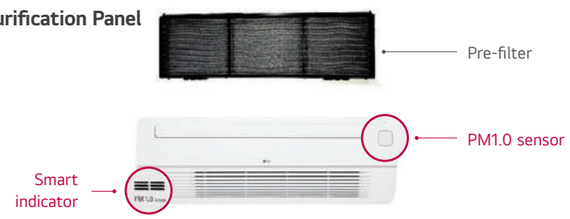
Air purification kit filters do not need replacement and can be used semi-permanently.
Also, thanks to easy maintenance, users can use air purification conveniently without any worries about filter's cleanliness.

Air Purification Kit





Air Purification Panel



1) It increases the electrostatic force of particle to improve collection efficiency
※ Normally HEPA filter type must be replaced regularly. It means that it costs expensive for maintenance.

Direct & Indirect Wind

Provides users with direct or indirect air flow preferences.

Comfort Indirect Wind

Without touching the skin directly, a large space is comfortable!

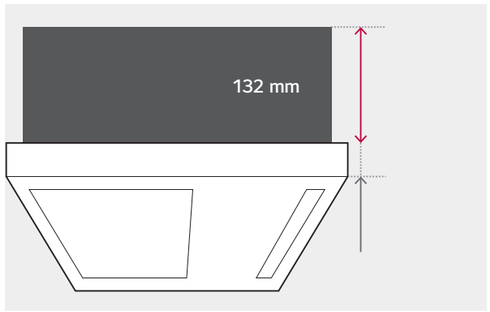


Cooler on a hot day.



Minimized Height (1 Way)

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



Size Comparison

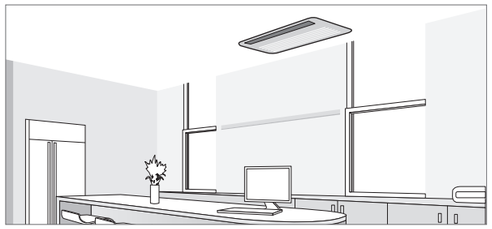
(Unit : mm)

	A Company	B Company	LG
1 Way Cassette	215	230	132

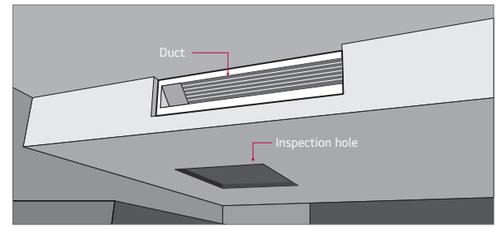
Flexible Installation (1 Way)

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

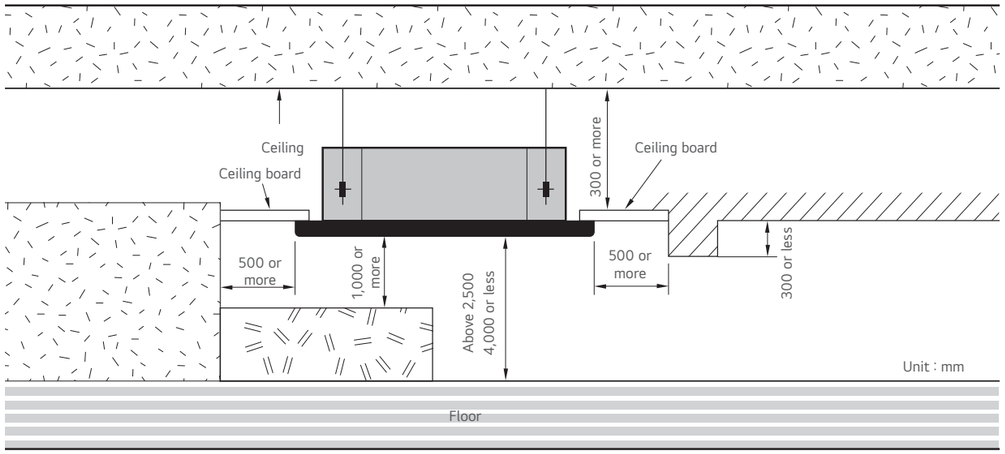
1 Way Cassette



Duct



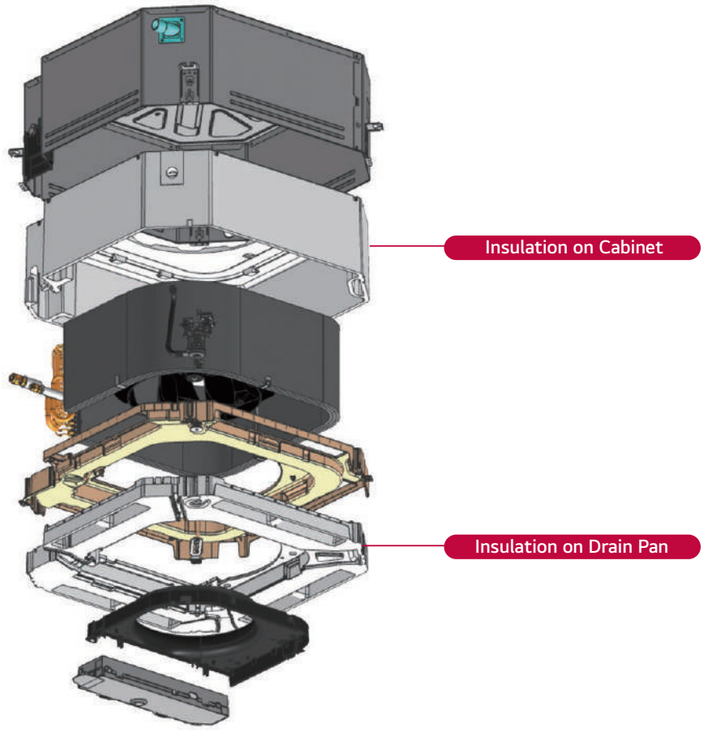
Installation Standard (1 Way)

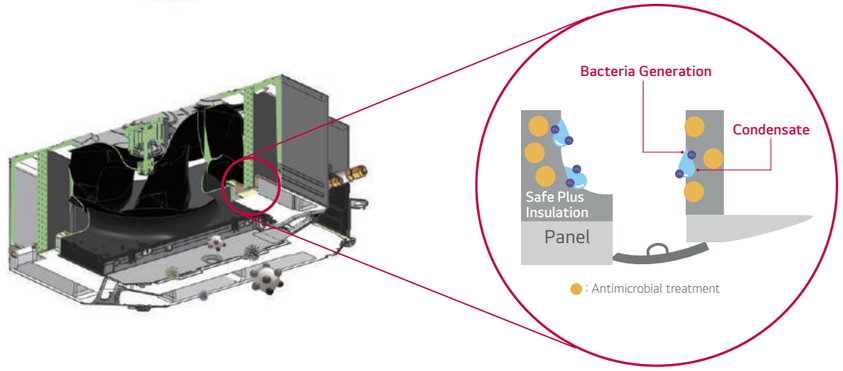


Safe Plus Insulation

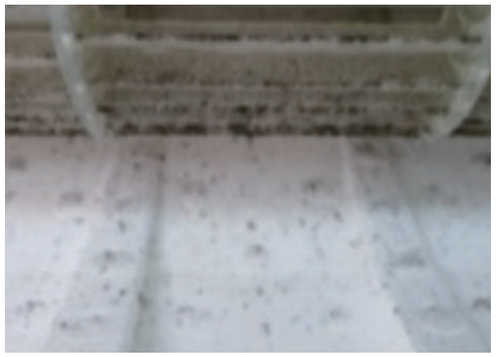
Why LG Safe Plus Insulation?

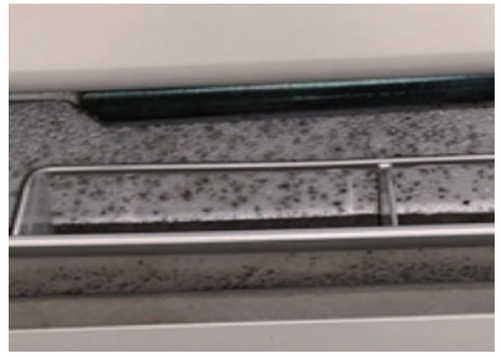
Safe Plus Insulation is an antimicrobial treatment that is applied to LG MULTI V Indoor unit internal insulation components to resistance bacterial growth, and provides cleaner and fresher airflow to customer.





What's the Hygiene Inside of Your Air Conditioner?

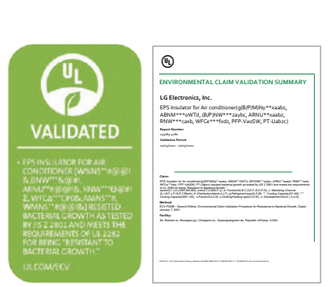




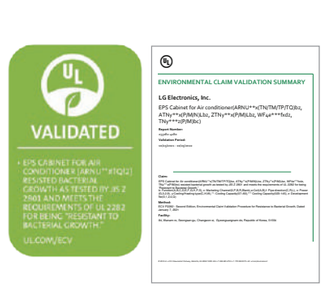
Example of EPS Pollution case.

Today's air conditioners, as well as fast cooling & energy saving are now basic, and all brand communicate each benefit of filtering bacteria, dust and mold and purifying contaminated air. However, What's the hygiene inside the air conditioner? If the inside of the air conditioner is contaminated, what can you do?

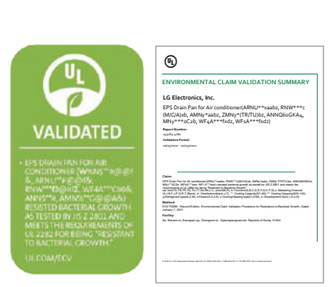
Antimicrobial treatment on ***EPS (Cabinet, Drain Pan, Air Guide, Insulator, Supporter)** for Air Conditioners is the first applied technology in the world, and only LG has.



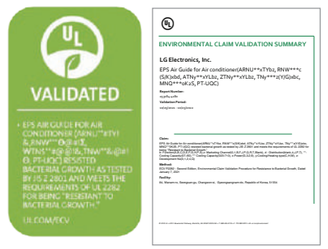
EPS Insulator



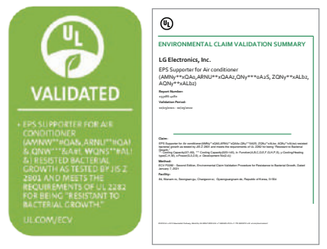
EPS Cabinet



EPS Drain Pan



EPS Air Guide



EPS Supporter

EPS for Resistant to Bacterial Growth Applied Product



ARNU24GTBB4 / ARNU28GTBB4
ARNU30GTBB4



MODEL		UNIT	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Cooling Capacity		kW	7.1	8.2	9.0
		Btu/h	24,200	28,000	30,700
Heating Capacity		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 × H × D)	Body	mm	840 × 204 × 840	840 × 204 × 840	840 × 204 × 840
Fan	Type		3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Air Flow Rate (H / M / L)	m^3/min	18 / 17 / 15	19 / 17 / 15	21 / 19 / 16
	Motor Type		BLDC	BLDC	BLDC
	Motor Output × Number	W	51 x1	51 x1	51 x1
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)
Weight	Net	kg	21.0	21.0	21.0
Sound Pressure Levels (H / M / L)		dB (A)	39.0 / 37.0 / 35.0	40.0 / 38.0 / 35.0	43.0 / 40.0 / 36.0
Power Supply		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Connecting Cable	Communication Cable (VCTF-SB)	mm^2 × cores	1.0~1.5 × 2	1.0~1.5 × 2	1.0~1.5 × 2
Color			White	White	White

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB,
     Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB,
     Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

MODEL NAME			PT-AAGW0
Description		-	Standard Panel
Drain Pump			○
Exterior Color		-	White
RAL		-	9003
Dual Vane		-	○
Dimensions (W × H × D)	Net	mm	950 × 35 × 950
	Shipping	mm	1,006 × 102 × 1,006
Weight	Net	kg	7.1
	Shipping	kg	9.3
Function	PM1.0 Sensor	-	-
Accessory	Air Purification Kit	-	-
	Floor Detection Sensor*	-	PTFSMA0**
	Human Detection Sensor*	-	PTVSAA0

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

ARNU36GTAB4 / ARNU42GTAB4
ARNU48GTAB4



MODEL		UNIT	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Cooling Capacity		kW	10.6	12.3	14.1
		Btu/h	36,200	42,000	48,100
Heating Capacity		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 × H × D)	Body	mm	840 × 288 × 840	840 × 288 × 840	840 × 288 × 840
Fan	Type		3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Air Flow Rate (H / M / L)	m^3/min	29 / 26 / 22	33 / 29 / 26	34 / 30 / 28
	Motor Type		BLDC	BLDC	BLDC
	Motor Output × Number	W	135 x1	135 x1	135 x1
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)
Weight	Net	kg	26.0	26.0	26.0
Sound Pressure Levels (H / M / L)		dB (A)	43.0 / 40.0 / 37.0	47.0 / 43.0 / 40.0	48.0 / 44.0 / 42.0
Power Supply		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Connecting Cable	Communication Cable (VCTF-SB)	mm^2 × cores	1.0~1.5 × 2	1.0~1.5 × 2	1.0~1.5 × 2
Color			White	White	White

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB,
     Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB,
     Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

MODEL NAME			PT-AFGW0
Description		-	Premium Panel
Drain Pump			○
Exterior Color		-	White
RAL		-	9003
Dual Vane		-	○
Dimensions (W × H × D)	Net	mm	950 × 35 × 950
	Shipping	mm	1,006 × 117 × 1,006
Weight	Net	kg	7.5
	Shipping	kg	9.4
Function	PM1.0 Sensor	-	○
Accessory	Air Purification Kit	-	PTAHMP0
	Floor Detection Sensor*	-	PTFSMA0**
	Human Detection Sensor*	-	PTVSAA0

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

ARNU24GTPA4 / ARNU28GTPA4
ARNU30GTPA4 / ARNU36GTNA4



MODEL		UNIT	ARNU24GTPA4	ARNU28GTPA4	ARNU30GTPA4	ARNU36GTNA4
Cooling Capacity		kW	7.1	8.2	9.0	10.6
		Btu/h	24,200	28,000	30,700	36,200
Heating Capacity		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
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate (H / M / L)	m^3/min	17 / 15 / 13	19 / 16 / 14	24.3 / 22.8 / 19.5	25 / 21 / 19
Fan Motor	Type		BLDC	BLDC	BLDC	BLDC
	Output	W	30	30	30	135
		No.	1	1	1	1
Dimensions	Net (W × H × D)	mm	840 × 204 × 840	840 × 204 × 840	840 × 204 × 840	840 × 246 × 840
Weight	Net	kg	20.8	20.8	20.8	23.5
Exterior	Color	-	Morning Fog	Morning Fog	Morning Fog	Morning Fog
Drain Pipe		mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
Sound Pressure Levels (H / M / L)		dB (A)	36 / 34 / 31	39 / 35 / 33	40 / 36 / 33	43 / 40 / 37
Power Supply		Φ, 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
Connecting Cable	Communication Cable (VCTF-SB)	mm^2 × cores	1.0~1.5 × 2	1.0~1.5 × 2	1.0~1.5 × 2	1.0~1.5 × 2

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS		ARNU24GTPA4	ARNU28GTPA4	ARNU30GTPA4	ARNU36GTNA4
Drain Pump		○			
Cassette Cover		PTDCM			
Refrigerant Leakage Detector		PRLDNVS0			
EEV Kit		-			
Independent Power Module		PRIP0			
Robot Cleaner		-			
Pre Filter (Washable)		○			
Ion Generator		-			
CO_2 Sensor		-			
Ventilation Kit		PTVK430			
IR Receiver		-			
Zone Controller		-			
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)			
External Input (1 Point)		○			
Wi-Fi		PWFMDD200			
Panel Standard		PT-MCGW0			
Panel Dimensions (W × H × D)	mm	950 × 35 × 950			
Air Purification Kit		PT-MPGW0 : PTAHMP0			
Human Dectection Sensor		PTVSAA0			

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

ARNU42GTMA4 / ARNU48GTMA4
ARNU54GTMA4



MODEL		UNIT	ARNU42GTMA4	ARNU48GTMA4	ARNU54GTMA4
Cooling Capacity		kW	12.3	14.1	15.8
		Btu/h	42,000	48,100	54,000
Heating Capacity		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
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate (H / M / L)	m^3/min	30 / 27 / 24	31 / 29 / 27	34 / 32 / 27
Fan Motor	Type		BLDC	BLDC	BLDC
	Output	W	135	135	135
		No.	1	1	1
Dimensions	Net (W × H × D)	mm	840 × 288 × 840	840 × 288 × 840	840 × 288 × 840
Weight	Net	kg	25.6	25.6	26.5
Exterior	Color	-	Morning Fog	Morning Fog	Morning Fog
Drain Pipe		mm (inch)	25 (1)	25 (1)	25 (1)
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
Sound Pressure Levels (H / M / L)		dB (A)	44 / 41 / 38	46 / 43 / 41	50 / 48 / 44
Power Supply		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Connecting Cable	Communication Cable (VCTF-SB)	mm^2 × cores	1.0~1.5 × 2	1.0~1.5 × 2	1.0~1.5 × 2

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS		ARNU42GTMA4	ARNU48GTMA4	ARNU54GTMA4
Drain Pump		○		
Cassette Cover		PTDCM		
Refrigerant Leakage Detector		PRLDNVS0		
EEV Kit		-		
Independent Power Module		PRIP0		
Robot Cleaner		-		
Pre Filter (Washable)		○		
Ion Generator		-		
CO_2 Sensor		-		
Ventilation Kit		PTVK430		
IR Receiver		-		
Zone Controller		-		
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)		○		
Wi-Fi		PWFMDD200		
Panel Standard		PT-MCGW0		
Panel Dimensions (W × H × D)	mm	950 × 35 × 950		
Air Purification Kit		PT-MPGW0 : PTAHMP0		
Human Dectection Sensor		PTVSAA0		

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

ARNU05GTRB4 / ARNU07GTRB4
ARNU09GTRB4 / ARNU12GTRB4



MODEL		UNIT	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Cooling Capacity		kW	1.6	2.2	2.8	3.6
		Btu/h	5,500	7,500	9,600	12,300
Heating Capacity		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 × H × D)	Body	mm	570 × 214 × 570	570 × 214 × 570	570 × 214 × 570	570 × 214 × 570
	Decoration Panel	-	PT-QAGW0	PT-QAGW0	PT-QAGW0	PT-QAGW0
		mm	620 × 35 × 620	620 × 35 × 620	620 × 35 × 620	620 × 35 × 620
Panel Color		-	White	White	White	White
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output × Number		43 × 1	43 × 1	43 × 1	43 × 1
	Air Flow Rate (H / M / L)	m^3/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	W	BLDC	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)
Net 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		Φ, 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 (VCTF-SB)		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Drain Pump	○			
Cassette Cover	-			
Refrigerant Leakage Detector	PRLDNVS0 (R410a)			
EEV Kit	PRGK024A0 (~4.5 kW)			
Multi-tenant Power Module	PINPMB001			
Robot Cleaner	-			
Pre Filter (Washable)	○			
Ion Generator	-			
CO_2 Sensor	-			
Ventilation Kit	PTVK430			
IR Receiver	-			
Zone Controller	-			
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)			
External Input (1 Point)	○			
Wi-Fi	PWFMDD200			

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

ARNU15GTQB4 / ARNU18GTQB4
ARNU21GTQB4



MODEL		UNIT	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Cooling Capacity		kW	4.5	5.6	6.0
		Btu/h	15,400	19,100	20,500
Heating Capacity		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 × H × D)	Body	mm	570 × 256 × 570	570 × 256 × 570	570 × 256 × 570
	Decoration Panel	-	PT-QAGW0	PT-QAGW0	PT-QAGW0
		mm	620 × 35 × 620	620 × 35 × 620	620 × 35 × 620
Panel Color		-	White	White	White
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output × Number		43 × 1	43 × 1	43 × 1
	Air Flow Rate (H / M / L)	m^3/min	11.0 / 10.0 / 9.3	11.2 / 11.0 / 10.0	12.0 / 11.1 / 9.4
	Motor Type	W	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)
Net 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		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable (VCTF-SB)		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Drain Pump	○		
Cassette Cover	-		
Refrigerant Leakage Detector	PRLDNVS0 (R410a)		
EEV Kit	PRGK024A0 (~4.5 kW)		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	PTVK430		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○		
Wi-Fi	PWFMDD200		

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

ARNU09GTSA4 / ARNU12GTSA4



MODEL			UNIT	ARNU09GTSA4	ARNU12GTSA4
Cooling Capacity			kW	2.8	3.6
			Btu/h	9,600	12,300
Heating Capacity			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 × H × D)	Net		mm	830 × 225 × 600	830 × 225 × 600
Weight	Net		kg	18.1	18.1
Fan Type				Turbo Fan	Turbo Fan
Air Flow Rate (H / M / L)			m^3/min	10.8 / 9.8 / 9.1	11.1 / 10.3 / 9.1
Fan Motor	Type			BLDC	BLDC
	Output		W × No.	37 × 1	37 × 1
Pipe Connections	Liquid Side		mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side		mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (ID)		mm (inch)	25 (1)	25 (1)
Sound Pressure Levels (H / M / L)			dB (A)	33 / 31 / 29	34 / 32 / 29
Power Supply			Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable			mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C
Decoration Panel (Accessory)	Model Name			PT-USC	PT-USC
	Exterior Color			Morning fog	Morning fog
	Dimensions (W×H×D)	Net	mm	1,100 × 28 × 690	1,100 × 28 × 690
		Shipping	mm	1,140 × 100 × 754	1,140 × 100 × 754
	Net Weight		kg	4.65	4.65

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU09GTSA4	ARNU12GTSA4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0 (~5.6 kW)	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNU18GTSA4 / ARNU24GTSA4



MODEL			UNIT	ARNU18GTSA4	ARNU24GTSA4
Cooling Capacity			kW	5.6	7.1
			Btu/h	19,100	24,200
Heating Capacity			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 × H × D)	Net		mm	830 × 225 × 600	830 × 225 × 600
Weight	Net		kg	18.1	18.1
Fan Type				Turbo Fan	Turbo Fan
Air Flow Rate (H / M / L)			m^3/min	11.8 / 10.8 / 9.8	14.5 / 12.4 / 10.3
Fan Motor	Type			BLDC	BLDC
	Output		W × No.	37 × 1	37 × 1
Pipe Connections	Liquid Side		mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side		mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (ID)		mm (inch)	25 (1)	25 (1)
Sound Pressure Levels (H / M / L)			dB (A)	35 / 33 / 31	40 / 37 / 33
Power Supply			Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable			mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C
Decoration Panel (Accessory)	Model Name			PT-USC	PT-USC
	Exterior Color			Morning fog	Morning fog
	Dimensions (W×H×D)	Net	mm	1,100 × 28 × 690	1,100 × 28 × 690
		Shipping	mm	1,140 × 100 × 754	1,140 × 100 × 754
	Net Weight		kg	4.65	4.65

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU18GTSA4	ARNU24GTSA4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0 (~5.6 kW)	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNU07GTUB4 / ARNU09GTUB4
ARNU12GTUB4



MODEL		UNIT	ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4
Cooling Capacity		kW	2.2	2.8	3.6
		Btu/h	7,500	9,600	12,300
Heating Capacity		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 × H × D)	Body	mm	860 × 132 × 450	860 × 132 × 450	860 × 132 × 450
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output × Number	W	30	30	30
	Air Flow Rate (H / M / L)	m^3/min	8.2 / 7.3 / 6.4	9.2 / 8.6 / 8.2	10 / 9.2 / 8.2
	Motor Type		BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)
Net 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		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable			1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

MODEL NAME			PT-UAHW0	PT-TAHW0
Applied Chassis		-	TU	TT
Description		-	Standard Panel	Standard Panel
Exterior Color		-	White	White
RAL Code		-	RAL 9003	RAL 9003
Dual Vane		-	-	-
Dimensions (W × H × D)	Net	mm	1,100 × 34 × 500	1,420 × 34 × 500
	Shipping	mm	1,150 × 132 × 570	1,470 × 132 × 570
Weight	Net	kg	3.3	4.5
	Shipping	kg	4.7	6.5
Function	PM1.0 Sensor	-	-	-
Accessory	Air Purification Kit	-	-	-
	Floor Detection Sensor*	-	-	-
	Human Detection Sensor*	-	-	-

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

ARNU18GTTB4 / ARNU24GTTB4



MODEL		UNIT	ARNU18GTTB4	ARNU24GTTB4
Cooling Capacity		kW	5.6	7.1
		Btu/h	19,100	24,200
Heating Capacity		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 × H × D)	Body	mm	1,180 × 132 × 450	1,180 × 132 × 450
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output × Number	W	30	30
	Air Flow Rate (H / M / L)	m^3/min	13.3 / 12.1 / 10.9	14.6 / 13.3 / 11.5
	Motor Type		BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)
Net Weight	Body	kg	15.3	15.3
Sound Pressure Levels (H / M / L)		dB (A)	40 / 37 / 35	43 / 40 / 36
Power Supply		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable			1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

MODEL NAME			PT-UPHG0	PT-TPHG0
Applied Chassis		-	TU	TT
Description		-	Standard Panel	Premium Panel
Exterior Color		-	White	White
RAL Code		-	RAL 9003	RAL 9003
Dual Vane		-	-	-
Dimensions (W × H × D)	Net	mm	1,160 × 34 × 500	1,480 × 34 × 500
	Shipping	mm	1,200 × 114 × 552	1,520 × 114 × 552
Weight	Net	kg	3.9	4.9
	Shipping	kg	5.6	7.1
Function	PM1.0 Sensor	-	-	○
Accessory	Air Purification Kit	-	-	PTAHTP0
	Floor Detection Sensor*	-	-	-
	Human Detection Sensor*	-	-	-

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



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
- Office
- Restaurant
- Hotel

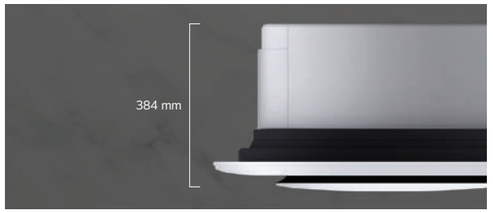
CASSETTE		ROUND
Smart	Wi-Fi	○
Energy Efficiency	Human Detect Sensor	-
Comfort	Drain Pump	○
	Sleep Mode	○
	Timer (On / Off)	○
	Timer (Weekly)	○
	Two Thermistor Control	○
	Group Control	○

※ ○: Applied, - : Not applied

Slim and Compact Design

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

Other Brand



※ Product : 48 kBtu

LG Round Cassette

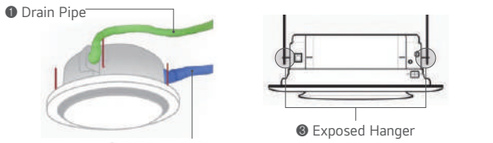


15% less body height makes room more higher

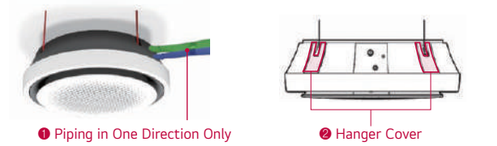
Minimal Exposure Design

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

Other Brand



LG Round Cassette

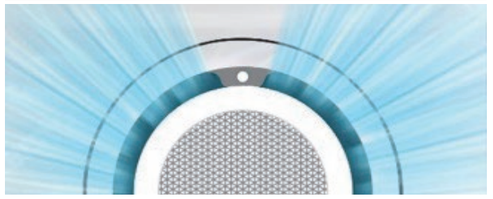


Perfect Round Air Flow

Perfect round flow without blind spots.



Other Brand



3 Way airflow with blind spot.

LG Round Cassette



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



Wind direction control ❶ ❷ ❸

LG Round Cassette



Wind direction control ❶ ❷ ❸ ❹ ❺ ❻

Powerful and Quiet Air Flow

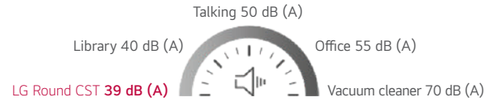
3D fan increases airflow by 5% and noise reduction technology makes a quieter, more comfortable space.

Full 3D Fan, Air Flow Rate 5% ↑



Full 3D Fan, Low Noise

※ 48 kBtu, Low flow rate





Normal communication
Noise level 50 dB (A)

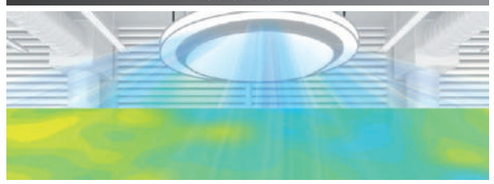


Library noise level 40 dB (A)

30% Faster in Cooling

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

Other Brand



Set temperature reach time 18 minutes (height 1.1 m)

LG Round Cassette



Set temperature reach time 12 minutes (height 1.1 m)

※ 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

ARNU24GTYA4 / ARNU36GTYA4 / ARNU48GTYA4



MODEL		UNIT	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Cooling Capacity	Rated	kW	7.1	10.6	14.1
		Btu/h	24,200	36,200	48,100
Heating Capacity	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
Fan Type	Type	-	3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Air Flow Rate (H / M / L)	m^3/min	22 / 21 / 19	27 / 24 / 21	32 / 28 / 23
	Fan Motor Type	-	BLDC	BLDC	BLDC
	Fan Motor Output	W × No.	157 × 1	157 × 1	157 × 1
Dimensions	Net (W × H × D)	mm	1,050 × 330 × 1,050	1,050 × 330 × 1,050	1,050 × 330 × 1,050
Weight	Net	kg	30.0	30.0	30.0
Exterior	Color	-	White	White	White
Drain Pipe	I.D	mm (inch)	25 (1)	25 (1)	25 (1)
Piping Connection	Liquid	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
Sound Pressure Level (H / M / L)		dB (A)	39 / 37 / 34	43 / 39 / 37	47 / 44 / 39
Power Supply	-	Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Connecting Cable	Communication Cable (VCTF-SB)	mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Drain Pump	○		
Cassette Cover	-		
Refrigerant Leakage Detector	PRLDNVS0 (R410a)		
EEV Kit	-		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○		
Wi-Fi	PWFMDD200		
Human Detection Sensor	-		
Floor Temperature Sensor	-		
Air Purification Kit	PTAHYP0		
Elevation Grille	-		

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



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 STATIC	MIDDLE STATIC	LOW STATIC
Smart	Wi-Fi	○	○	○
Energy Efficiency	E.S.P Control	○	○	○
Comfort	Drain Pump	○	○	○
	Timer (On / Off)	○	○	○
	Timer (Weekly)	○	○	○
	Two Thermistor Control	○	○	○
	Group Control	○	○	○

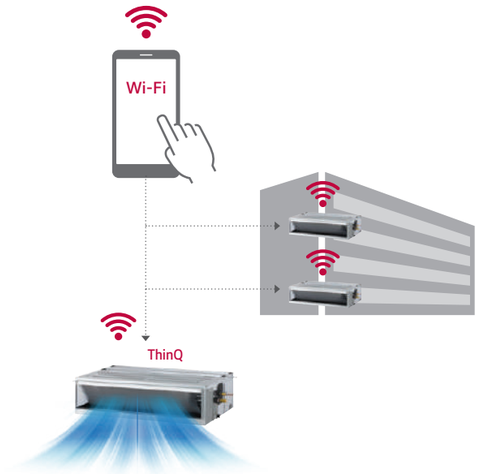
※ ○: Applied, - : Not applied

Wi-Fi Control

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

ThinQ

Search “ThinQ” on Google market or the App Store to download the app.



Easy Registration and Log-in

Follow the easy set-up steps that will activate ThinQ’s user-friendly features.



Simple operation for various functions

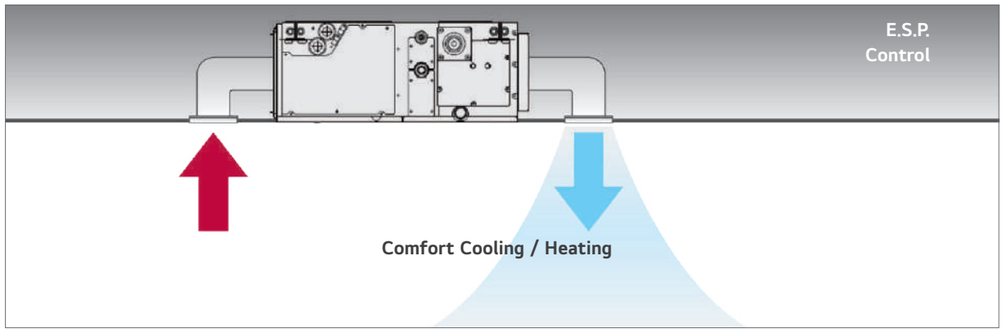


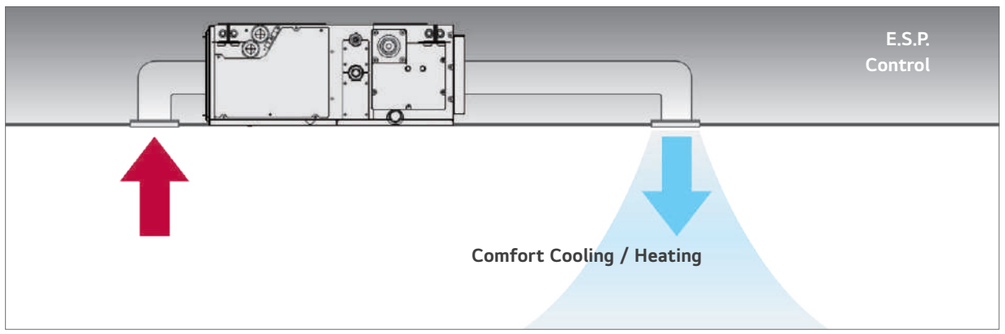
On / Off, Current Temp | Mode, Set Temp | Zone Control

※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

External Static Pressure (ESP) Control

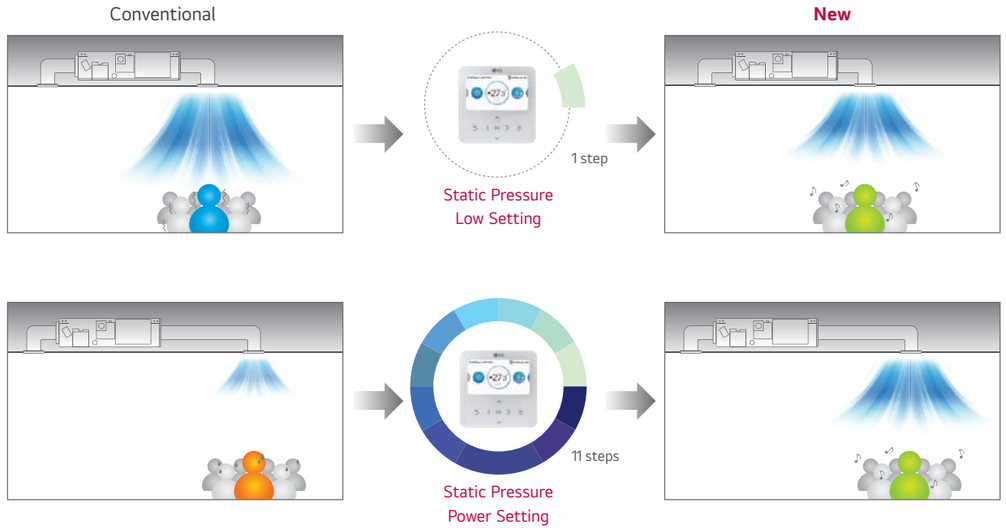
User has easy access to air volume selection via remote controller using the ESP control function. The BLDC motor can control fan speed and air volume. No additional accessories are necessary to control air flow.





Static Pressure 11- step Control

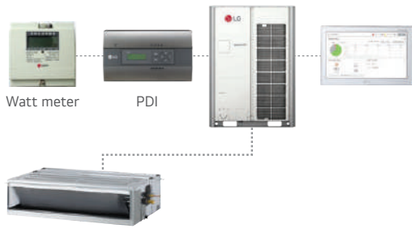
Depending on the installation environment, LG's ceiling concealed duct controls the static pressure with 11 steps to provide maximized comfort to any environment.

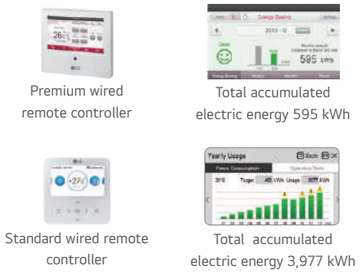


Energy Monitoring

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 energy management.

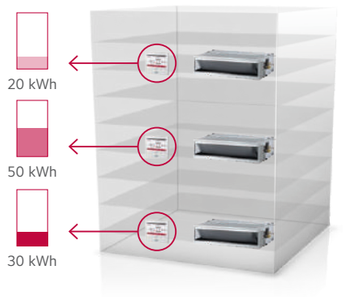
Install Scene





Apply for Multistory Building



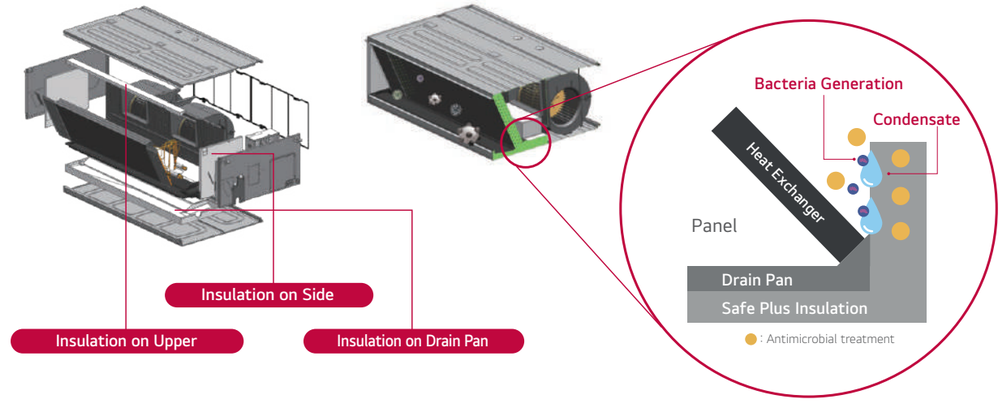


※ Outdoor unit's accumulated electric energy / using rate of individual indoor unit + indoor unit's accumulated electric energy is displayed in wired remote controller, only when central controller, digital integrating electricity meter and PDI are installed and PDI, outdoor unit and indoor unit are 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.

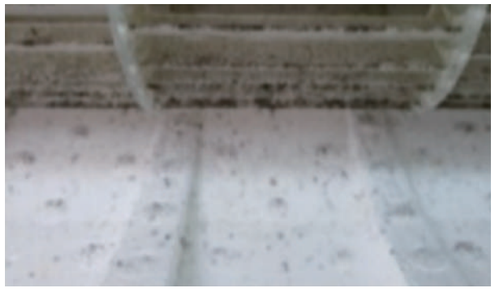
Safe Plus Insulation

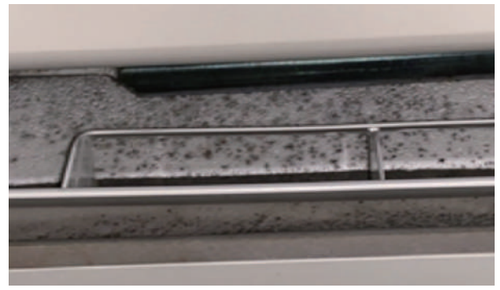
Why LG Safe Plus Insulation?

Safe Plus Insulation is an antimicrobial treatment that is applied to LG MULTI V Indoor unit internal insulation components to resistance bacterial growth, and provides cleaner and fresher airflow to customer.



What's the Hygiene Inside of Your Air Conditioner?

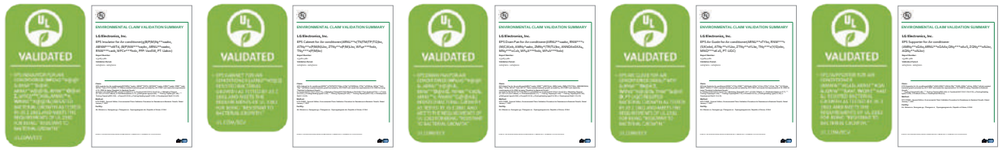




Example of EPS Pollution case.

Today's air conditioners, as well as fast cooling & energy saving are now basic, and all brand communicate each benefit of filtering bacteria, dust and mold and purifying contaminated air. However, What's the hygiene inside the air conditioner? If the inside of the air conditioner is contaminated, what can you do?

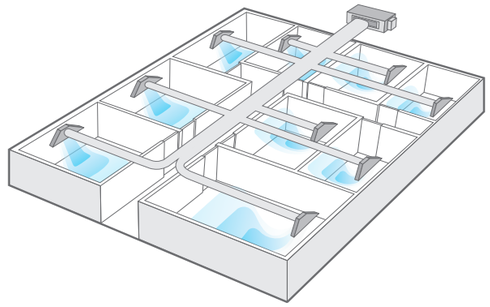
Antimicrobial treatment on ***EPS (Cabinet, Drain Pan, Air Guide, Insulator, Supporter)** for Air Conditioners is the first applied technology in the world, and only LG has.



EPS Insulator | EPS Cabinet | EPS Drain Pan | EPS Air Guide | EPS Supporter

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 screen.

Remain Time Until Indoor Filter Cleaning + Alarm





Standard wired remote controller

Remain time until indoor filter cleaning 2,400 hr.





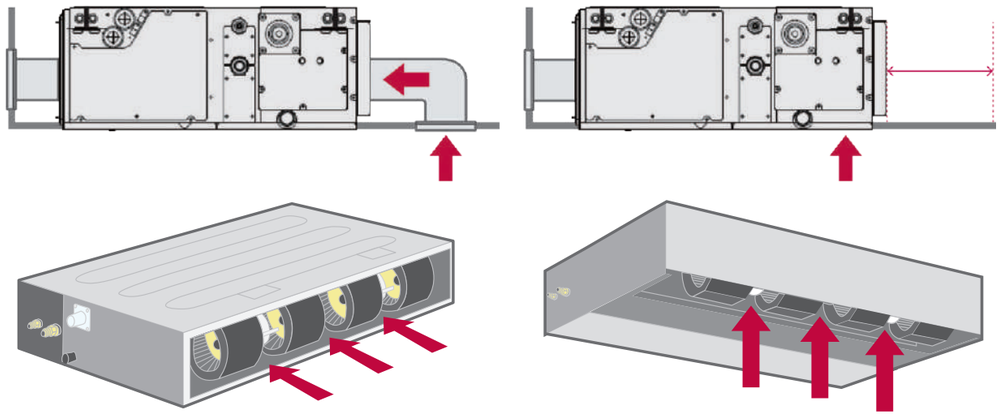
Premium wired remote controller

Remain time until indoor filter cleaning 1,729 hr.

Flexible Installation
(Low Static Duct Slim Only)

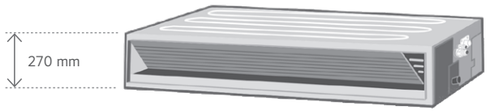
The alarm is activated when the filter needs to be cleaned, and the time remaining for cleaning is displayed on the screen.

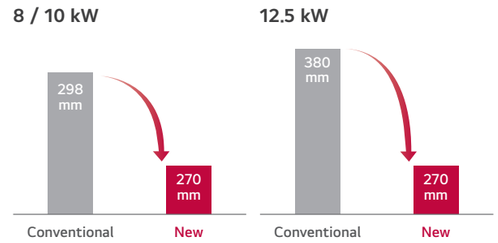
Air Intake at the Rear or Bottom



Minimized Height
(For Mid Static Duct)

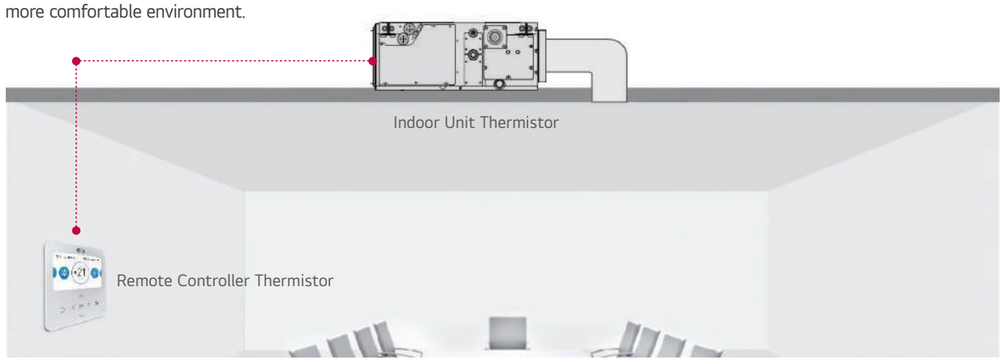
Mid Static Ducts provide ideal solution for installation in limited space.





Two Thermistors Control

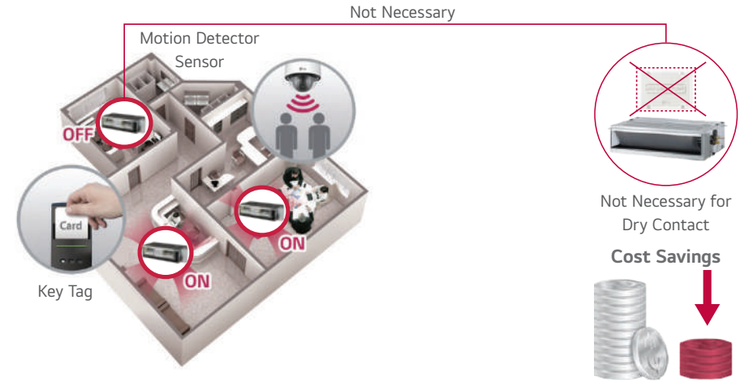
The indoor temperature can be checked using the thermi-stors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimise indoor air temperature for a more comfortable environment.



1 Point External Input
(On / Off Control)

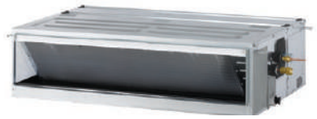
Indoor unit can be controlled by external devices without dry contact, so customer can save cost of installation.

Connection between an Indoor Unit and External Devices Directly



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

ARNU07GM1A4 / ARNU09GM1A4 / ARNU12GM1A4
ARNU15GM1A4 / ARNU18GM1A4



MODEL		UNIT	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6
		Btu/h	7,500	9,600	12,300	15,400	19,100
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3
		Btu/h	8,500	10,900	13,600	17,100	21,500
Power Input (H / M / L)		W	39 / 30 / 25	40 / 32 / 26	46 / 38 / 31	67 / 53 / 46	85 / 63 / 55
Dimensions (W × H × D)	Body	mm	900 × 270 × 700	900 × 270 × 700	900 × 270 × 700	900 × 270 × 700	900 × 270 × 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number	W	136 × 1	136 × 1	136 × 1	136 × 1	136 × 1
	Air Flow Rate (H / M / L)	m^3/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
	External Static Pressure	mmAq(Pa)	6(59)	6(59)	6(59)	6(59)	6(59)
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)	25 (1)
Net Weight		kg	25.0	25.0	25.0	25.0	25.0
Sound Pressure Levels (H / M / L)		dB (A)	26 / 24 / 23	27 / 25 / 23	27 / 25 / 23	30 / 27 / 23	31 / 28 / 25
Power Supply		Φ, 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	1, 220-230-240, 50/60
Communication Cable		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must beapplied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4
Drain Pump			○		
Cassette Cover			-		
Refrigerant Leakage Detector			PRLDNVS0 (R410a)		
EEV Kit			PRGK024A0 (~5.6kW)		
Multi-tenant Power Module			PINPMB001		
Robot Cleaner			-		
Pre Filter (Washable)			○		
Ion Generator			-		
CO_2 Sensor			-		
Ventilation Kit			-		
IR Receiver			PWLRVN000		
Zone Controller			ABZCA		
Dry Contact (with Additional Accessory)			PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)			○		
Wi-Fi			PWFMDD200		

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

ARNU24GM2A4 / ARNU28GM2A4
ARNU36GM2A4 / ARNU42GM3A4



MODEL		UNIT	ARNU24GM1A4	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4
Cooling Capacity		kW	7.1	8.2	10.6	12.3
		Btu/h	24,200	28,000	36,200	42,000
Heating Capacity		kW	8.0	9.2	11.9	13.8
		Btu/h	27,300	31,500	40,600	47,000
Power Input (H / M / L)		W	91 / 74 / 58	123 / 81 / 57	184 / 123 / 81	231 / 162 / 111
Dimensions (W × H × D)	Body	mm	900 × 270 × 700	1,250 × 270 × 700	1,250 × 270 × 700	1,250 × 270 × 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number	W	136 × 1	350 × 1	350 × 1	350 × 1
	Air Flow Rate (H / M / L)	m^3/min	19.0 / 16.0 / 14.0	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0
	External Static Pressure	mmAq(Pa)	6(59)	6(59)	6(59)	6(59)
	Motor Type		BLDC	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)
Net Weight		kg	25.9	36.0	36.0	37.2
Sound Pressure Levels (H / M / L)		dB (A)	32 / 29 / 26	38 / 36 / 35	40 / 38 / 36	42 / 41 / 39
Power Supply		Φ, 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		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must beapplied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU24GM1A4	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4
Drain Pump	○		○	
Cassette Cover	-		-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)		PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0 (~5.6kW)		-	
Multi-tenant Power Module	PINPMB001		PINPMB001	
Robot Cleaner	-		-	
Pre Filter (Washable)	○		○	
Ion Generator	-		-	
CO_2 Sensor	-		-	
Ventilation Kit	-		-	
IR Receiver	PWLRVN000		PWLRVN000	
Zone Controller	ABZCA		ABZCA	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)			
External Input (1 Point)	○		○	
Wi-Fi	PWFMDD200		PWFMDD200	

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

ARNU48GM3A4 / ARNU54GM3A4



MODEL		UNIT	ARNU48GM3A4	ARNU54GM3A4
Cooling Capacity		kW	14.1	15.8
		Btu/h	48,100	54,000
Heating Capacity		kW	15.9	18.0
		Btu/h	54,200	61,400
Power Input (H / M / L)		W	172 / 105 / 65	260 / 215 / 172
Dimensions (W × H × D)	Body	mm	1,250 × 360 × 700	1,250 × 360 × 700
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output × Number	W	400 × 1	400 × 1
	Air Flow Rate (H / M / L)	m^3/min	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
	External Static Pressure	mmAq(Pa)	6(59)	6(59)
	Motor Type		BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)
Net Weight		kg	42.2	42.2
Sound Pressure Levels (H / M / L)		dB (A)	41 / 38 / 37	42 / 41 / 40
Power Supply		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must beapplied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU48GM3A4	ARNU54GM3A4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	-	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	PWLRVN000	
Zone Controller	ABZCA	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNU76GB8A4 / ARNU96GB8A4



MODEL		UNIT	ARNU76GB8A4	ARNU96GB8A4
Cooling Capacity		kW	22.4	28.0
		Btu/h	76,400	95,900
Heating Capacity		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 × H × D)	Body	mm	1,562 × 460 × 688	1,562 × 460 × 688
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output × Number	W	375 × 2	375 × 2
	External Static Pressure	mmAq(Pa)	22(216)	22(216)
	Air Flow Rate (H / M / L)	m^3/min	64.0 / 50.0 / 50.0	76.0 / 64.0 / 64.0
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 19.05 (3/4)	Ø 22.2 (7/8)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)
Net Weight		kg	87	87
Sound Pressure Levels (H / M / L)		dB (A)	45 / 41 / 40	47 / 42 / 41
Power Supply		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must beapplied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU76GB8A4	ARNU96GB8A4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	○	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	PWLRVN000	
Zone Controller	ABZCA	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNU05GL1G4 / ARNU07GL1G4
ARNU09GL1G4 / ARNU12GL2G4



MODEL		UNIT	ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4	ARNU12GL2G4
Cooling Capacity		kW	1.7	2.2	2.8	3.6
		Btu/h	5,800	7,500	9,600	12,300
Heating Capacity		kW	1.9	2.5	3.2	4.0
		Btu/h	6,500	8,500	10,900	13,600
Power Input (H / M / L)		W	29 / 26 / 24	31 / 28 / 24	39 / 29 / 24	41 / 34 / 29
Dimensions (W × H × D)	Body	mm	700 × 190 × 700	700 × 190 × 700	700 × 190 × 700	900 × 190 × 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number	W	19 × 1	19 × 1	19 × 1	19 × 1, 5 × 1
	Air Flow Rate (H / M / L)	m^3/min	6.7 / 6.2 / 5.5	7.5 / 6.5 / 5.5	9.0 / 7.0 / 5.5	10.0 / 8.5 / 7.0
	External Static Pressure	mmAq(Pa)	2.54 (25)	2.54 (25)	2.54 (25)	2.54 (25)
	Motor Type		BLDC	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)
Net Weight		kg	16.3	16.3	16.3	20.9
Sound Pressure Levels (H / M / L)		dB (A)	25 / 24 / 22	26 / 24 / 22	28 / 25 / 22	30 / 27 / 25
Power Supply		Φ, 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		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
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2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must beapplied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

Chassis	ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4	ARNU12GL2G4
Drain Pump		○		○
Cassette Cover		-		-
Refrigerant Leakage Detector		PRLDNVS0		PRLDNVS0
EEV Kit		PRGK024A0		PRGK024A0
Independent Power Module		PRIP0		PRIP0
Robot Cleaner		-		-
Pre Filter (Washable)		○		○
Ion Generator		-		-
CO_2 Sensor		-		-
Ventilation Kit		-		-
IR Receiver		PWLRVN000		PWLRVN000
Zone Controller		ABZCA		ABZCA
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)		○		○
Wi-Fi		PWFMDD200		PWFMDD200

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

ARNU15GL2G4 / ARNU18GL2G4
ARNU21GL3G4 / ARNU24GL3G4



MODEL		UNIT	ARNU15GL2G4	ARNU18GL2G4	ARNU21GL3G4	ARNU24GL3G4
Cooling Capacity		kW	4.5	5.6	6.2	7.1
		Btu/h	15,400	19,100	21,000	24,000
Heating Capacity		kW	5.0	6.3	7.0	8.0
		Btu/h	17,100	21,500	23,900	27,300
Power Input (H / M / L)		W	56 / 41 / 34	71 / 56 / 41	72 / 53 / 48	103 / 63 / 48
Dimensions (W × H × D)	Body	mm	900 × 190 × 700	900 × 190 × 700	1,100 × 190 × 700	1,100 × 190 × 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number	W	19 × 1, 5 × 1	19 × 1, 5 × 1	19 × 2	19 × 2
	Air Flow Rate (H / M / L)	m^3/min	12.5 / 10.0 / 8.5	15.0 / 12.5 / 10.0	17.5 / 14.0 / 12.0	20.0 / 16.0 / 12.0
	External Static Pressure	mmAq(Pa)	2.54 (25)	2.54 (25)	2.54 (25)	2.54 (25)
	Motor Type		BLDC	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)
Net Weight		kg	20.9	20.9	24.2	24.2
Sound Pressure Levels (H / M / L)		dB (A)	33 / 30 / 28	35 / 32 / 29	35 / 29 / 28	36 / 33 / 28
Power Supply		Φ, 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		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
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2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must beapplied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

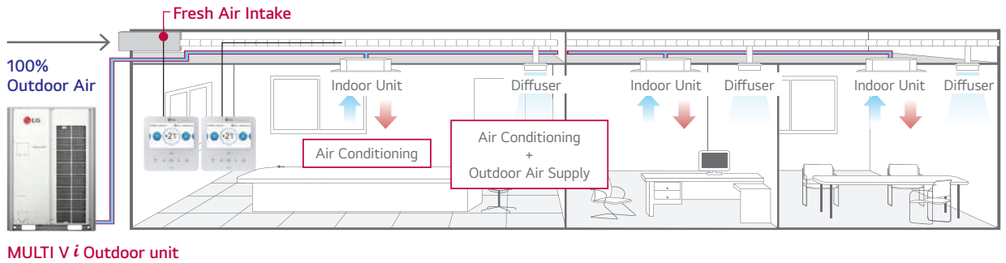
Accessories

Chassis	ARNU15GL2G4	ARNU18GL2G4	ARNU21GL3G4	ARNU24GL3G4
Drain Pump	○		○	
Cassette Cover	-		-	
Refrigerant Leakage Detector	PRLDNVS0		PRLDNVS0	
EEV Kit	-		PRGK024A0	
Independent Power Module	PRIP0		PRIP0	
Robot Cleaner	-		-	
Pre Filter (Washable)	○		○	
Ion Generator	-		-	
CO_2 Sensor	-		-	
Ventilation Kit	-		-	
IR Receiver	PWLRVN000		PWLRVN000	
Zone Controller	ABZCA		ABZCA	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)			
External Input (1 Point)	○		○	
Wi-Fi	PWFMDD200		PWFMDD200	

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

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 and simultaneously cools and heats the air inside. 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 air.

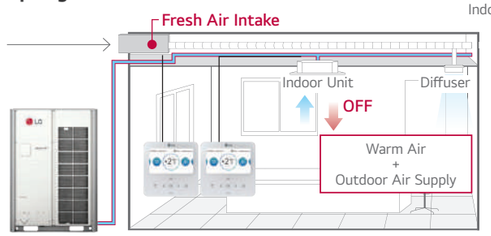


MULTI V *i* Outdoor unit

Economic Operation

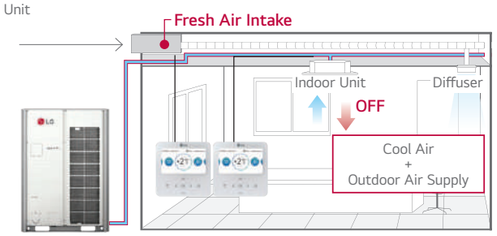
Natural outdoor air is utilized as seasons change for cost efficiency.

Spring Season



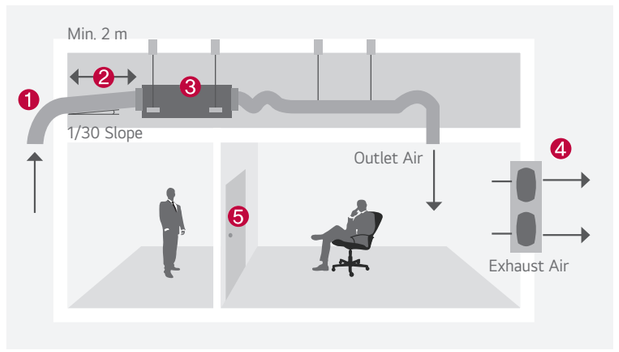
MULTI V *i* Outdoor unit

Autumn Season



MULTI V *i* Outdoor unit

Installation Scene



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

ARNU48GM3Z4 / ARNU76GB8Z4
ARNU96GB8Z4



MODEL		UNIT	ARNU48GM3Z4	ARNU76GB8Z4	ARNU96GB8Z4
Cooling Capacity		kW	14.1	22.4	28
		Btu/h	48,100	76,400	95,900
Heating Capacity		kW	13.5	21.4	26.7
		Btu/h	46,100	73,080	91,360
Power Input (H / M / L)		W	75 / 47 / 47	230 / 200 / 200	360 / 230 / 230
Dimensions (W × H × D)	Body	mm	1,250 × 360 × 700	1,562 × 460 × 688	1,562 × 460 × 688
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number	W	400 × 1	375 × 1	375 × 1
	Air Flow Rate (H / M / L)	m^3/min	20 / 13.2 / 13.2	23.7 / 13.2 / 13.2	35.7 / 23.7 / 23.7
	External Static Pressure	mmAq(Pa)	6 (59)	22 (216)	22 (216)
	Motor type		BLDC	BLDC	BLDC
Air Filter			Long Life Filter	Long Life Filter	Long Life Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 22.2 (7/8)
	Drain Pipe (ID)	mm (inch)	25 (1)	25 (1)	25 (1)
Net Weight		kg	42.6	73	73
Sound Pressure Levels (H / M / L)		dB (A)	38 / 36 / 36	45 / 43 / 43	47 / 45 / 45
Power Supply		Φ, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are based on the following conditions.
   - Cooling : Outdoor Temp. 33°CDB / 28°CWB, Interconnecting Piping Length 7.5 m / Level Difference of Zero
   - Heating : Outdoor Temp. 0°CDB / -2.9°CWB, Interconnecting Piping Length 7.5 m / Level Difference of Zero
5. Refrigerant information (type, additional charging amount, etc.) must beapplied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

⚠ 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	ARNU48GM3Z4	ARNU76GB8Z4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	-	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	PWLRVN000	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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



Features & Benefits

- Modern design with V-shape and black vane
- Powerful air speed and volume can reach up to 15m

Key Applications

- Retail
- Shop
- Restaurant

CEILINGS		CEILING & FLOOR CONVERTIBLE	CEILING SUSPENDED
Smart	Wi-Fi	○	○
Fast Cooling & Heating	Jet Cool	○	○
Comfort	Sleep mode	○	○
	Timer (On / Off)	○	○
	Timer (Weekly)	○	○
	Two thermistor control	○	○
	Group control	○	○

※ ○: Applied, - : Not applied

Wi-Fi Control

Access your air conditioner anytime and from anywhere.

ThinQ

Search “ThinQ” on Google market or the App Store to download the app.



Easy Registration and Log-in

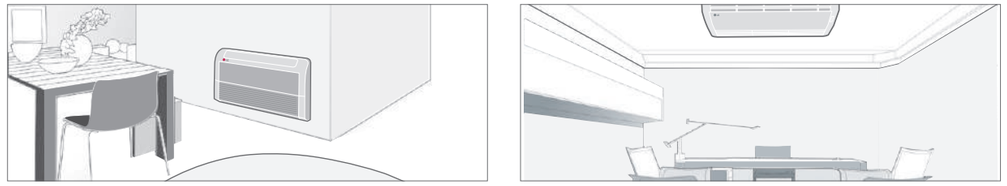
Follow the easy set-up steps that will activate ThinQ’s impressive feature.



※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

Flexible

The ceiling and floor models can be installed either on the ceiling or on the floor.



Filter Change Alarm

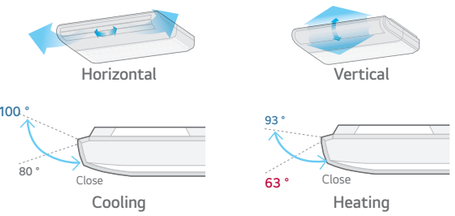
The filter change alarm informs you when the unit has been operating for 2,400 hours.



One Touch Filter Filter Change Alarm

Air Flow Direction Control

Vertical air flow direction can be adjusted using remote controller, and horizontal air flow direction can be adjusted manually.



Differentiated Design

Modern elegance design with V-shape and black vane is appropriate for any commercial space. It received iF Design Award.



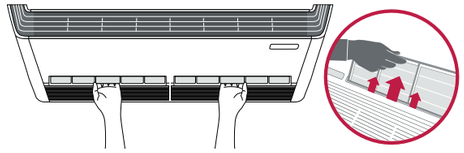
Powerful Cooling & Heating

High ceiling mode provides powerful cooling and heating up to 4.2m in height from floor, 15 m away from ceiling.



One Touch & 2 Piece Filter

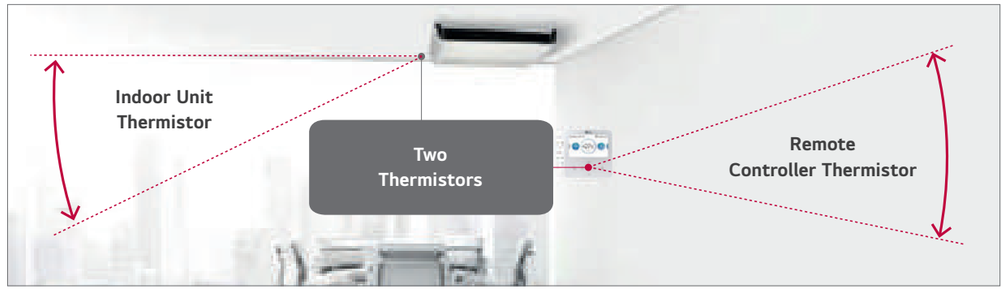
Easy in / out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.



One Touch Filter

Two Thermistors Control

Users can purchase a wired remote controller that includes a second thermistor, allowing for temperature checks from multiple locations.



ARNU18GV1A4 / ARNU24GV1A4
ARNU36GV2A4 / ARNU48GV2A4



MODEL		UNIT	ARNU18GV1A4	ARNU24GV1A4	ARNU36GV2A4	ARNU48GV2A4
Cooling Capacity		kW	5.6	7.1	10.6	14.1
		Btu/h	19,100	24,200	36,200	48,100
Heating Capacity		kW	6.3	8	11.9	15.9
		Btu/h	21,500	27,300	40,600	51,200
Power Input (H / M / L)		W	23 / 20 / 17	25 / 21 / 17	84 / 77 / 66	91 / 79 / 66
Casing			Galvanized Steel Plate + Painting		Galvanized Steel Plate + Painting	
Dimensions (W × H × D)	Body	mm	1,200 × 235 × 690	1,200 × 235 × 690	1,600 × 235 × 690	1,600 × 235 × 690
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output × Number	W × No.	85.9 × 1	85.9 × 1	125 × 1	125 × 1
	Air Flow Rate (H / M / L)	m^3/min	13.5 / 12.5 / 12 .0	14.0 / 13.0 / 12.0	27.0 / 24.0 / 20.0	29.0 / 24.0 / 20.0
	Motor Type		BLDC	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (I.D)	mm (inch)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)
Net Weight		kg	29.0	29.0	37.0	37.0
Sound Pressure Levels (H / M / L)		dB (A)	36 / 34 / 33	37 / 35 / 33	45 / 44 / 40.5	47 / 44 / 40.5
Power Supply		Φ, 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		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must beapplied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU18GV1A4	ARNU24GV1A4	ARNU36GV2A4	ARNU48GV2A4
Drain Pump	-			
Cassette Cover	-			
Refrigerant Leakage Detector	PRLDNVS0 (R410a)			
EEV Kit	-			
Multi-tenant Power Module	PINPMB001			
Robot Cleaner	-			
Pre Filter (Washable)	○			
Ion Generator	-			
CO_2 Sensor	-			
Ventilation Kit	-			
IR Receiver	-			
Zone Controller	-			
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)			
External Input (1 Point)	○			
Wi-Fi	PWFMDD200			

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



Features & Benefits

- The powerful air speed and volume means the air flow can reach up to 20 m away from the air conditioner

Key Applications

- Factory
- Retail
- Shop
- Office
- Restaurant

FLOOR STANDING (PAC)		FLOOR STANDING (PAC)
Smart	Wi-Fi*	○
Energy Efficiency	Jet Cool	○
Health	Ionizer	-
Fast Cooling & Heating	Jet Cool	○
Comfort	Sleep Mode	○
	Timer (On / Off)	○
	Timer (Weekly)	-
	Two Thermistor Control	○
	Group Control	○

※ ○: Applied, - : Not applied
* Extra module is necessary for Wi-fi (module: PWFMDD200)

Stylish Design

The new LG floor standing air conditioner which is Red Dot design award winner 2013, is ideal for modern interiors in your home or office.



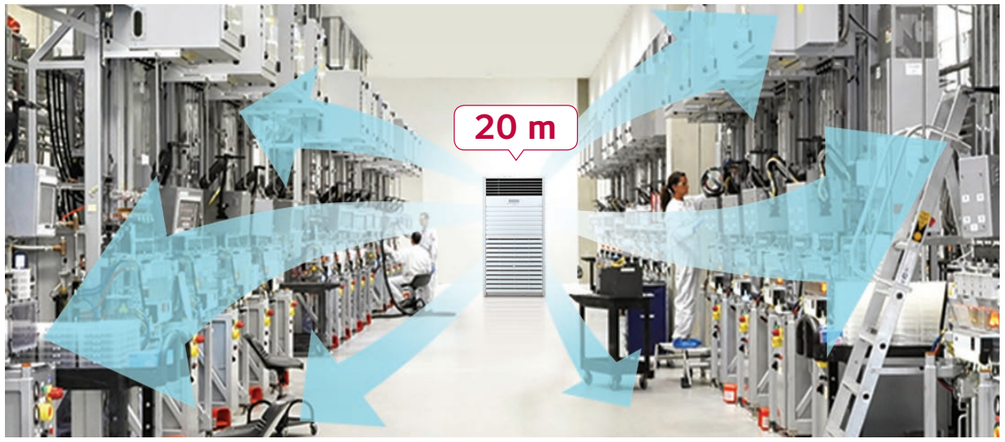
reddot design award
winner 2013





Powerful Air Flow

The new LG floor standing air conditioner is efficient for using in large areas due to its powerful cooling and heating operation. The powerful air speed and volume means the air flow can reach up to 20 m away from the air conditioner.



ARNU48GPTA4 / ARNU96GPFA4



MODEL		UNIT	ARNU48GPTA4	ARNU96GPFA4
Cooling Capacity		kW	14.1	28.0
		Btu/h	48,100	95,900
Heating Capacity		kW	15.9	31.5
		Btu/h	54,200	107,500
Power Input	Cooling (SH / H / M / L)	W	260 / 190 / 140 / 110	400 / 280 / - / 180
	Heating (SH / H / M / L)	W	260 / 190 / 140 / 110	400 / 280 / - / 180
Dimensions (W × H × D)	Body	mm	590 × 1,840 × 440	1,050 × 1,880 × 495
Fan	Type		Blower Fan	Blower Fan
	Motor Output × Number	W × No.	224 × 1	700 × 1
	Air Flow Rate (H / M / L)	m^3/min	37 / 33 / 28 / 24	68 / 61 / - / 50
	Motor Type		BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	9.52 (3/8)	9.52 (3/8)
	Gas Side	mm (inch)	15.88 (5/8)	22.2 (7/8)
	Drain Pipe (ID)	mm (inch)	19 (3/4)	22 (7/8)
Net Weight		kg	49	104
Sound Pressure Levels (SH / H / M / L)		dB (A)	54 / 51 / 49 / 45	60 / 57 / - / 53
Power Supply		Φ, V, Hz	1, 220~240, 50/60	1, 220~240, 50/60
Communication Cable (VCTF-SB)		mm^2 × cores	1.0~1.5 × 2C	1.0~1.5 × 2C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB,
     Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB,
     Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected Pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

NOTE

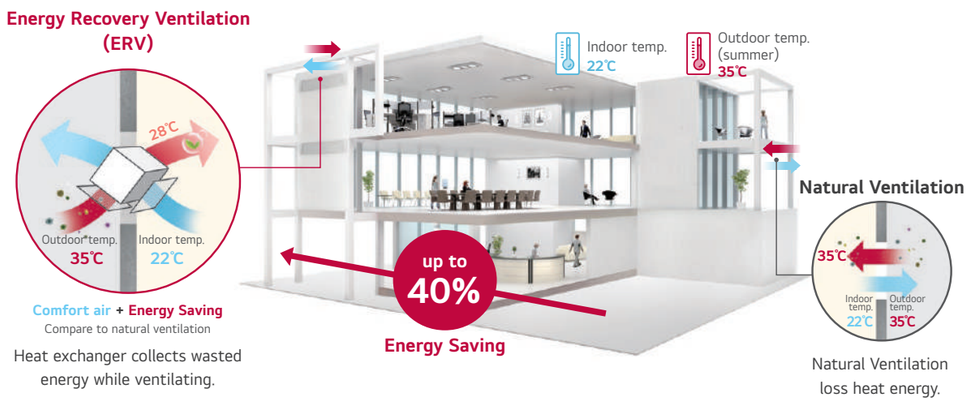
VENTILATION SOLUTIONS

ERV / ERV WITH DX COIL
/ RESIDENTIAL ERV



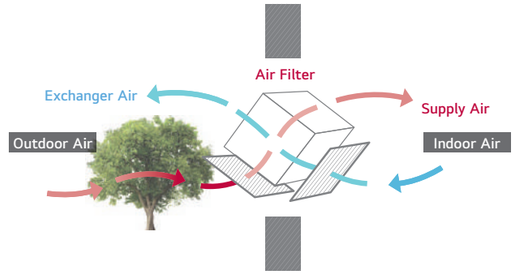


Necessity of ERV



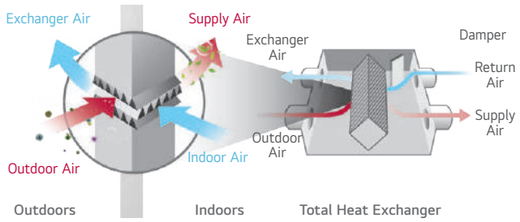
High Efficiency Heat Exchanger

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



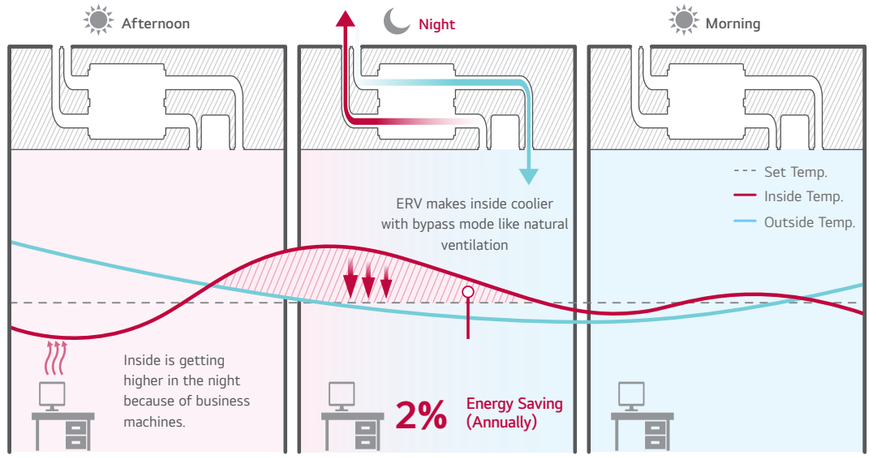
Cross Flow System

The exhaust system uses a high static sirocco fan to remove stale indoor air. Supply and exhaust air flows are completely separated in the heat exchanger, allowing the LG ERV to filter out particles before supplying outdoor air to ensure indoor air is fresh and healthy.



Night Time Free Cooling

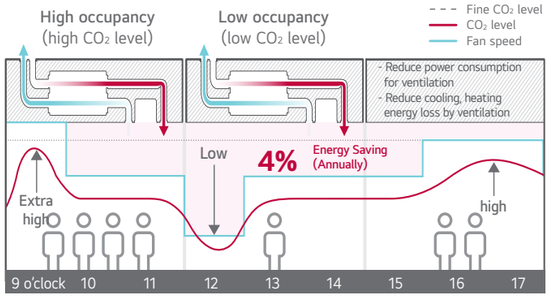
During summer nights, indoor heat can be discharged outdoors and cool outdoor air can be brought indoors for energy savings.



※ 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 (49,000 ft²) / Occupancy : 30 / Area : London, UK
- ERV (1000 CMH) + MULTI V 4 (12 HP) Unit Combination
- Other conditions are subject to BREEAM.

CO_2 Auto Operation

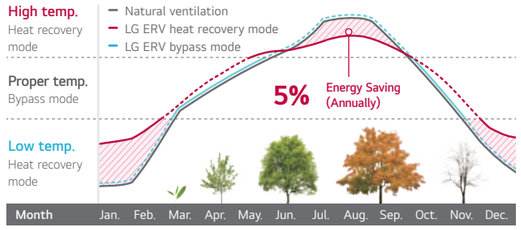
LG ERV reduces energy loss with auto fan speed control following CO_2 level.

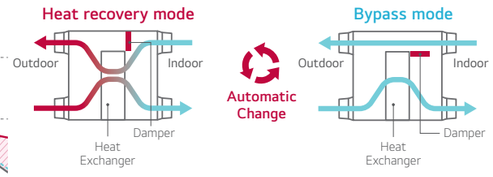


※ This function is operated with 'Night Time Free Cooling' on remote controller. (with MULTI V only)
※ Energy saving ratio can be differed by weather condition.
※ Test Condition - Office (49,000 ft²) / Occupancy : 30 / Area : London, UK
- ERV (1000 CMH) + MULTI V 4 (12 HP) Unit Combination
- Other conditions are subject to BREEAM

Seasonal Auto Operation

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

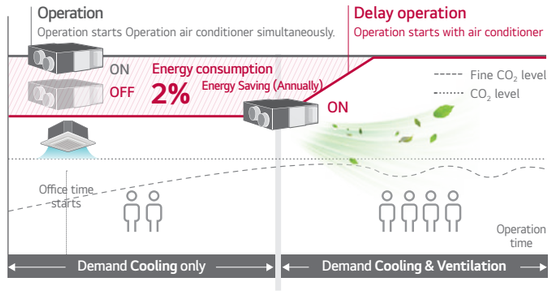




※ This function is operated with 'Auto' mode by wired remote control.
※ Energy saving ratio can be differed by weather condition.
※ Test Condition: - Office (49,000 ft²) / Occupancy : 30 / Area : London, UK
- ERV (1,000 CMH) + MULTI V 4 (12 HP) Unit Combination
- Other conditions are subject to BREEAM

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.



※ 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 (49,000 ft²) / Occupancy : 30 / Area : London, UK
- ERV (1000 CMH) + MULTI V 4 (12 HP) Unit Combination
- Other conditions are subject to BREEAM

CO_2 Level Monitoring

CO_2 sensor senses CO_2 level in the room. Users can monitor CO_2 level on new wired remote controller, and ERV controls the fan speed automatically following the level.

CO_2 Level Visualization

CO_2 sensor senses indoor CO_2 level and displays it on new wired remote controller.



Main display

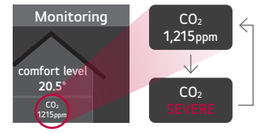
If the CO_2 level is above 900ppm in the room, the red mark is on.



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

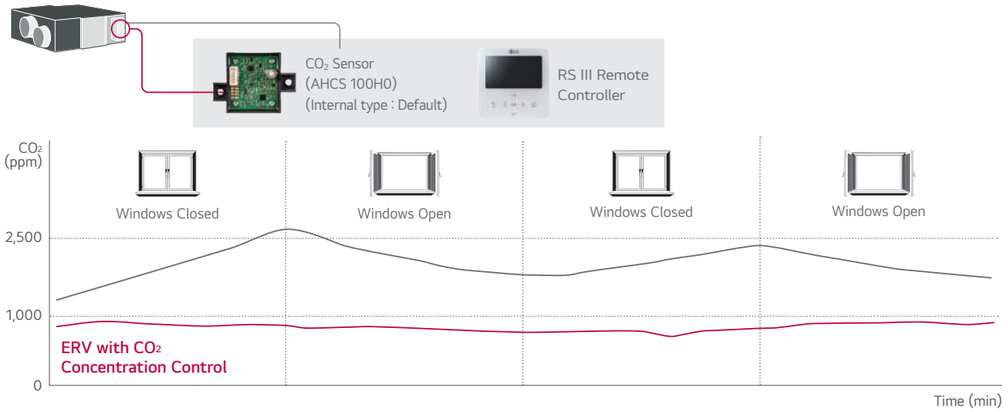
Further information

CO_2 level and room condition are displayed continuously.



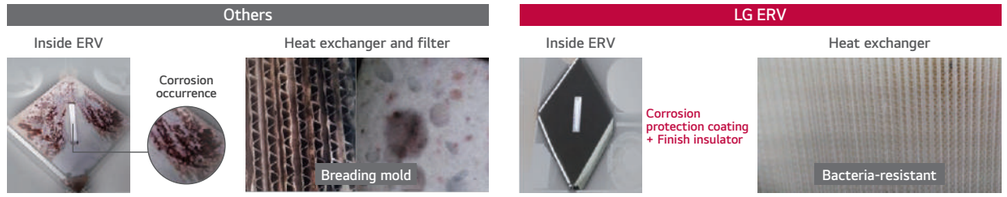
CO_2 Concentration Control

Using CO_2 sensor, LG ERV controls exhaust air flow automatically to keep indoor air fresh under settled CO_2 concentration.



High Durability

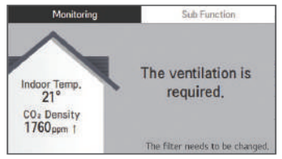
There is no moving part within the heat exchanger and therefore it has higher durability and reliability. The heat exchanger is made of special thin paper membranes which are bacteria-resistant to prevent harmful bacteria growth, and flame-retardant treated for fire safety.

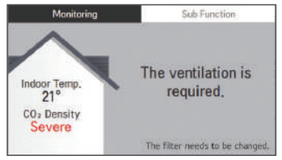


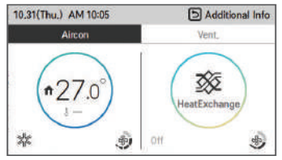
Easy Control

Wired remote controller is easy for usage.









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

Display
- Indoor CO_2 level
- Alarm for filter change / remaining time to change filters

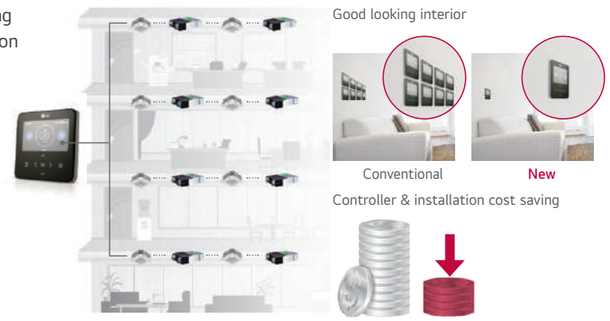
Convenient
- Flexible display
- Dual display with air conditioner
- Zoom selected directory to increase legibility

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.



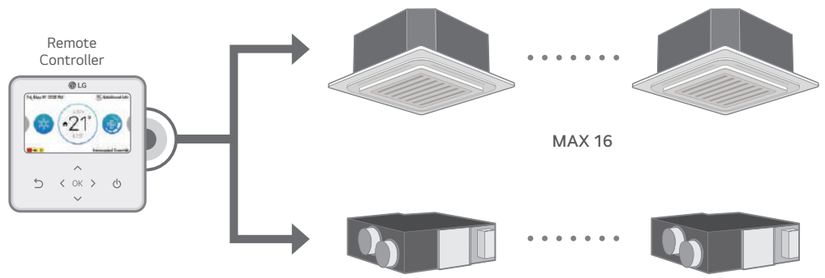
Good looking interior

Conventional New

Controller & installation cost saving

Interlocking with Air Conditioning System

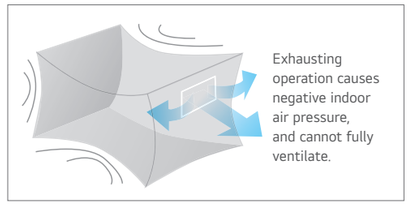
- LG ERV can be interlocked with air conditioners and controlled individually.
- This function can be operated when the system is connected with 1 remote controller.



Fast Ventilation Mode

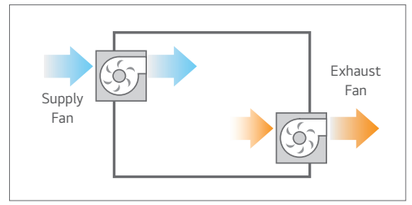
Fast ventilation mode prevents the spread of contaminants under negative indoor pressure, and makes indoor air fresh and comfortable quickly.

Only Exhausting



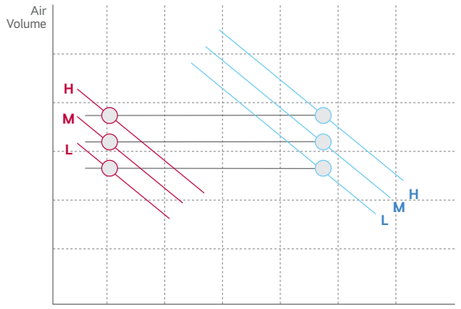
Exhausting and Supplying Simultaneously

Fast Ventilation Mode



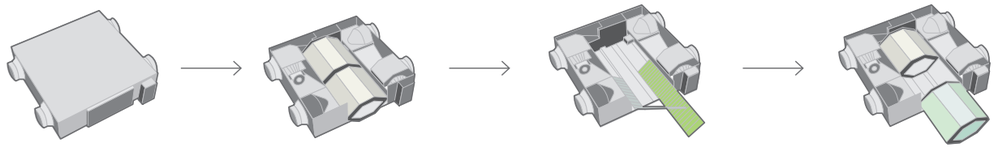
External Static Pressure Control

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.



Easy Cleaning and Filter Change

Filter can be conveniently changed and cleaned.



ERV Unit → Remove Side Panel → Change Filter → Remove Heat Exchanger

LZ-H025GBA4 / LZ-H035GBA5



MODEL			UNIT	LZ-H025GBA4	LZ-H035GBA5
Dimensions	Net (W × H × D)		mm	988 × 273 × 1,014	
Weight	Net		kg	44	
Power Supply			Φ, V, Hz	1, 220~240, 50	
Normal Air flow			m^3/h	250	350
ERV Mode	Operating Step			Super-high / High / Low	
	Current	SH / H / L	A	0.70 / 0.60 / 0.42	1.05 / 0.90 / 0.50
	Power Input	SH / H / L	W	97 / 87 /52	150 / 125 / 60
	Air Flow	SH / H / L	m^3/h	250 / 250 / 150	350 / 350 / 210
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	150 / 100 / 50
	Temperature Exchange Efficiency	SH / H / L	%	80 / 80 / 83	80 / 80 / 82
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	70 / 70 / 72	75 / 75 / 80
		Cooling (SH / H / L)	%	66 / 66 / 68	71 / 71 / 75
	Energy Label	A+ to G Scale		A	B
	Sound Pressure Level	SH / H / L	dB (A)	29 / 28/ 24	35 / 32 / 26
Bypass Mode	Operating Step			Super-high / High / Low	
	Current	SH / H / L	A	0.70 / 0.60 / 0.42	1.05 / 0.90 / 0.50
	Power Input	SH / H / L	W	97 / 87 /52	150 / 125 / 60
	Air Flow	SH / H / L	m^3/h	250 / 250 / 150	350 / 350 / 210
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	150 / 100 / 50
	Sound Pressure Level	SH / H / L	dB (A)	29 / 29/ 25	35 / 33 / 26
Duct Work		Quantity	EA	4	
		Size (Ø)	mm	Ø 200	
Supply Air Fan		Quantity	EA	1	
		Type		Direct-drive Sirocco	
Exhaust Air Fan		Quantity	EA	1	
		Type		Direct-drive Sirocco	
Filters		Quantity	EA	2	
		Type		Cleanable Fibrous Fleeces	
		Dimension (W × H × D)	mm	855 × 10 × 166	

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 1.5 m 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.

Accessories

CHASSIS	LZ-H025GBA4	LZ-H035GBA5
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	-	
EEV Kit	-	
Multi-tenant Power Module	-	
Robot Cleaner	-	
Pre Filter (Washable)	-	
Ion Generator	-	
CO_2 Sensor	○	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB500 (Modbus)	
External Input (1 Point)	-	
Wi-Fi	-	

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

ZE050GUCCA0 / ZE080GUCDA0 / ZE100GUCDA0



MODEL				UNIT	ZE050GUCCA0	ZE080GUCDA0	ZE100GUCDA0
Dimensions	Net (W × H × D)			mm	1014 × 273 × 988	1062 × 365 × 1240	1062 × 365 × 1240
Weight	Net			kg	41.7	54.4	54.4
Power Supply				Φ, V, Hz	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50
Normal Air flow				m^3/h	500	800	1,000
Energy Exchange Mode	Operating Step				Super-high / High / Low		
	Current	SH / H / L		A	1.7 / 1.2 / 0.8	2.2 / 1.4 / 0.8	3.0 / 1.9 / 1.0
	Power Input	SH / H / L		W	250 / 160 / 105	330 / 200 / 100	475 / 280 / 140
	Air Flow	SH / H / L		m^3/h	500 / 400 / 300	800 / 640 / 480	1000 / 800 / 600
	External Static Pressure	SH / H / L		Pa	150 / 96 / 54	160 / 102 / 57	160 / 102 / 57
	Temperature Exchange Efficiency	Cooling (SH / H / L)		%	79 / 79 / 82	77 / 79 / 82	74 / 75 / 77
		Heating (ErP)		%	78	75	73
					79 / 79 / 82	77 / 79 / 82	74 / 75 / 77
	Enthalpy Exchange Efficiency	Cooling (SH / H / L)		%	68 / 68 / 75	68 / 70 / 73	63 / 67 / 71
		Heating (SH / H / L)		%	75 / 75 / 78	73 / 76 / 79	72 / 73 / 74
Sound Pressure Level		SH / H / L		dB (A)	39 / 34 / 29	39 / 34 / 28	40 / 36 / 29
Duct Work		Quantity		EA	4	4	4
		Size (Ø)		mm	Ø 200	Ø 250	Ø 250
Supply Air Fan		Quantity		EA	1	1	1
		Type			Sirocco fan	Sirocco fan	Sirocco fan
Exhaust Air Fan		Quantity		EA	1	1	1
		Type			Sirocco fan	Sirocco fan	Sirocco fan
Filters		Type			OA: Pre/F7, RA: M5	OA: Pre/F7, RA: M5	OA: Pre/F7, RA: M5
		Quantity		EA	F7: 2, M5: 2, Pre: 1	F7: 2, M5: 2, Pre: 1	F7: a, M5: 2, Pre: 1
		Dimension (W × H × D)		mm	Pre: 855 × 6 × 233 M5/F7: 425 × 16 × 230	Pre: 1156 × 6 × 212.5 M5/F7: 578 × 21 × 213	Pre: 1156 × 6 × 212.5 M5/F7: 578 × 21 × 213
Operation Range	Outdoor Air Temperature			℃	-10 ~ 40	-10 ~ 40	-10 ~ 40
	Relative Humidity			%RH	20 ~ 80	20 ~ 80	20 ~ 80

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 1.5 m 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.

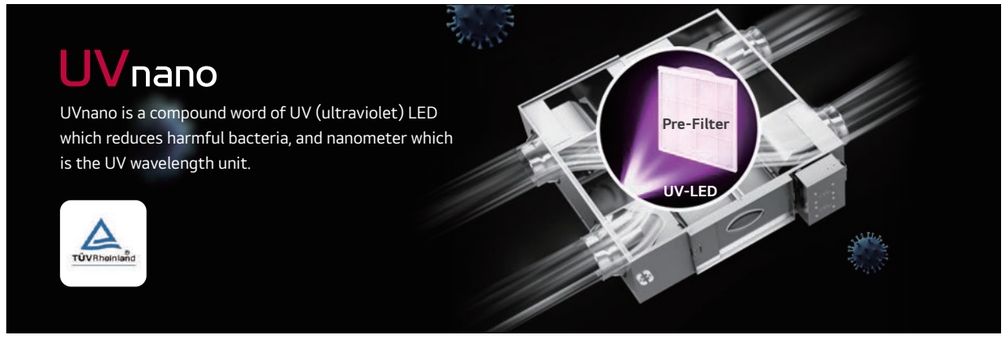
Accessories

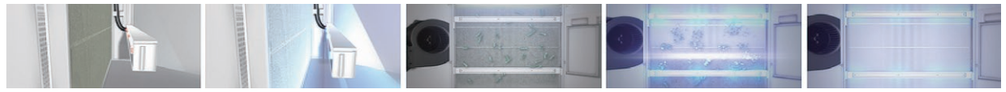
CHASSIS	ZE050GUCCA0	ZE080GUCDA0	ZE100GUCDA0
Drain Pump	-		
Cassette Cover	-		
Refrigerant Leakage Detector	-		
EEV Kit	-		
Multi-tenant Power Module	-		
Robot Cleaner	-		
Pre Filter (Washable)	-		
Ion Generator	-		
CO_2 Sensor	○		
Ventilation Kit	-		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB500 (Modbus)		
External Input (1 Point)	-		
Wi-Fi	-		

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

Supply Clean Air

Remove Up to 99.99% of Harmful Particles on Pre-Filter with UVnano





UVnano Technology Applied

It Prevents 99.99% of Bacteria and Viruses from Growing

Easy Filter Maintenance

Via the one-touch button, the user can open the access door at the bottom of the unit, pull down the heat exchanger to change the filters. It is easy and simple without the need of any additional tools.



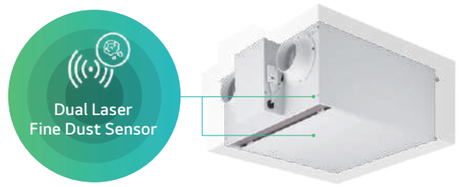
After pressing the one-touch button, unhook the safety hooks that holds door from failing to fully open the door.

Hold the filter handle and pull it out down.

Smart Control

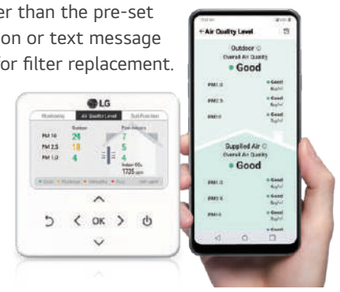
① Dual Laser Fine Dust Sensor

Two fine dust sensors monitor the incoming air and the supplied air to the room in real time to ensure that clean air is always supplied.



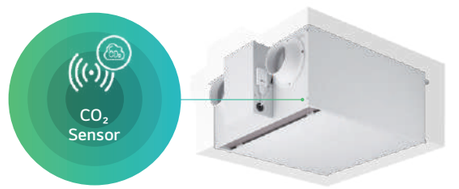
When the measured dust concentration in the air supplied to the room is higher than the pre-set value, a notification or text message will be sent out for filter replacement.

* Wi-Fi Modem is Optional.



② CO_2 Monitoring

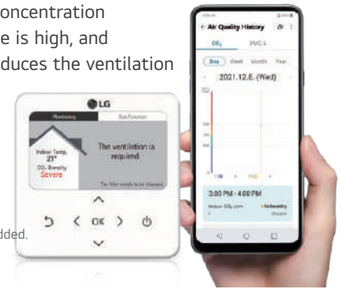
The embedded CO_2 sensor monitors the carbon dioxide concentration in the room in real time and automatically controls the ventilation rate.



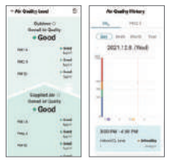
It monitor CO_2 concentration in the room. It increases the ventilation rate. when the concentration of carbon dioxide is high, and automatically reduces the ventilation rate.
if it is low.

* Wi-Fi Modem is Optional.

* CO_2 Sensor is Embedded.



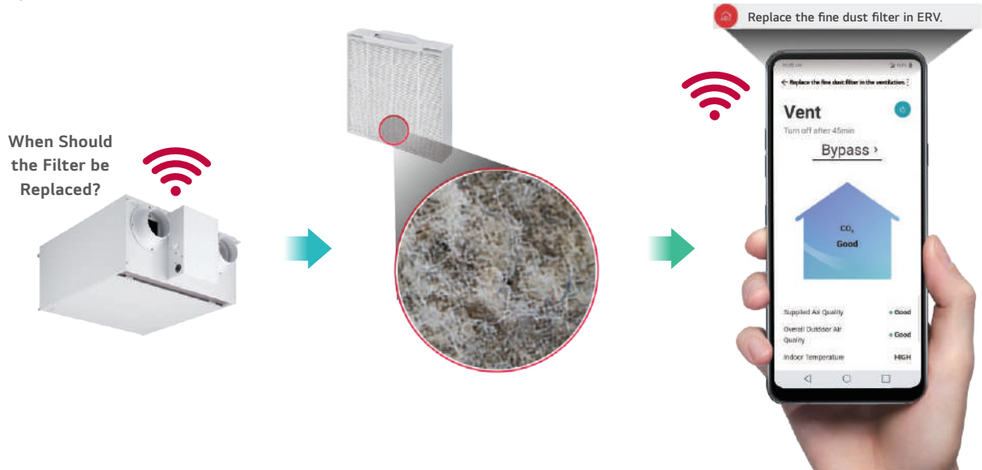
③ Control ERV Anytime, Anywhere

Wired Remote Control	Mobile	Third-Party Compatibility
		
- Indoor CO_2 concentration - Dust concentration in the supply air - Dust concentration in outdoor air	Check and Control the Indoor air condtioner Anytime, Anywhere	With the dry contact connected, Modbus protocol is available.

* To use 3rd party wall pad, please contact Sales Engineer.

④ Filter Maintenance Alarm

The filter replacement notification and text message are sent when the fine dust concentration is higher than the pre-set point.



LZ-H015GBA6 / LZ-H020GBA6



MODEL			UNIT	LZ-H015GBA6	LZ-H020GBA6
Dimensions (W × H × D)	Body		mm	640 × 320 × 640	640 × 320 × 640
Weight	Body		kg	23	23
Power Supply			Φ, V, Hz	1, 220~24-, 50/60	1, 220~24-, 50/60
ERV Mode	Operating Step			SH / H / L	SH / H / L
	Current	SH / H / L	A	0.43 / 0.38 / 0.23	0.59 / 0.51 / 0.26
	Power Input	SH / H / L	W	56 / 49 / 26	79 / 71 / 30
	Air Flow	SH / H / L	CMH	150 / 150 / 80	200 / 200 / 100
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	100 / 70 / 50
	Temperature Exchange Efficiency	Heating (SH / H / L) (ErP)	%	85	82
		Heating (SH / H / L) (JIS)	%	80 / 80 / 84	78 / 78 / 82
		Cooling (SH / H / L) (JIS)	%	74 / 74 / 83	70 / 70/ 81
	Enthalpy Exchange Efficiency	Heating (SH / H / L) (JIS)	%	79 / 79 / 83	75 / 75 / 81
		Cooling (SH / H / L) (JIS)	%	74 / 74 / 80	68 / 68 / 76
	Energy Label	A+ to G Scale		A	A
	Sound Pressure Level	SH / H / L	dB (A)	28 / 26 / 21	30 / 28 / 22
Bypass Mode	Current	SH / H / L	A	0.45 / 0.40 / 0.26	0.60 / 0.52 / 0.29
	Power Input	SH / H / L	W	63 / 53 / 31	84 / 73 / 35
	Air Flow	SH / H / L	CMH	150 / 150 / 80	200 / 200 / 100
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	100 / 70 / 50
Operation Range	Outdoor Air Temperature / Relative Humidity		℃ /%	-10 ~ 40 / 20 ~ 80	-10 ~ 40 / 20 ~ 80
Duct Work	Qty		EA	4	4
	Size (Ø)		mm	125	125
Fan Motor	Supply Air Fan		RPM	1,850 / 1,710 / 1,300	2,050 / 1,910 / 1,400
	Exhaust Air Fan		RPM	1,750 / 1,600 / 1,250	1,910 / 1,770 / 1,320
	Max.		RPM	2,100	2100
	Min.		RPM	1,000	1,000
Filters	Grade(1)		-	ePM1 95%	ePM1 95%
	Size (W × H × D)		mm	278 × 276 × 50	278 × 276 × 50

Note :
1. Cooling Capacity Test condition - Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB
2. Heating Capacity Test condition - Indoor temperature : 20°C DB / Outdoor temperature : 7°C DB, 6°C WB
3. Humidifying capacity is based on the following conditions - Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
4. Cooling and heating capacities are based on the following conditions. : Fan is based on High and Super-high.
5. The operating sound measured at the point 1.5 m below the center of the unit is converted to that measured at an anechoic chamber.
6. The specifications, designs and information here are subject to change without notice.

Accessories

CHASSIS	LZ-H015GBA6	LZ-H020GBA6
CO_2 Sensor	Embedded	
UVnano	Embedded	
Pre Filter (Washable)	Embedded	
Dual Laser Fine Dust Sensor	Embedded	
Remote Controller (PREMTB101 / PREMTBB11)	○	
Wi-Fi Modem (PWFMDD200)	○	

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

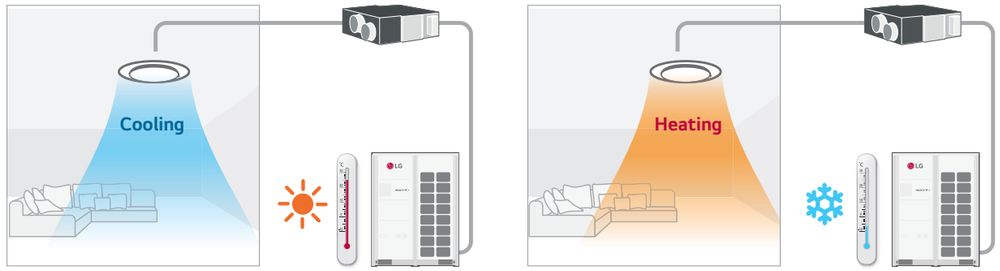
Functions

MODEL		LZ-H015GBA6	LZ-H020GBA6
Air Purification	UVnano	○	○
	Pre-Filter	○	○
	Fine Filter (ePM1 95%)	○	○
Reliability	Self Diagnosis	○	○
Convenience	Auto Restart	○	○
	Child Lock*	○	○
	Forced Operation	○	○
	Group Control*	○	○
	Turn On / Off Reservation	○	○
	Schedule*	○	○
	Night Silent Cooling Operation	○	○
	Delayed Operation	○	○
	Airflow Amount Customized Operation	○	○
	Seasonal Customized Operation	○	○
	Seasonal Auto Operation	○	○
Installation	E.S.P. Control*	○	○
ETC	Central Control (LGAP)	○	○
	Filter Alarm	○	○
	CO_2 Sensor	○	○
	Wi-Fi	Accessory	Accessory

Note
1. O : Applied, × : Not applied
   Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
   Accessory line-ups varies by region, so check your local catalogue or local sales material.
2. Some functions can be limited by remote controller.
3. * : These functions need to connect the wired remote controller.

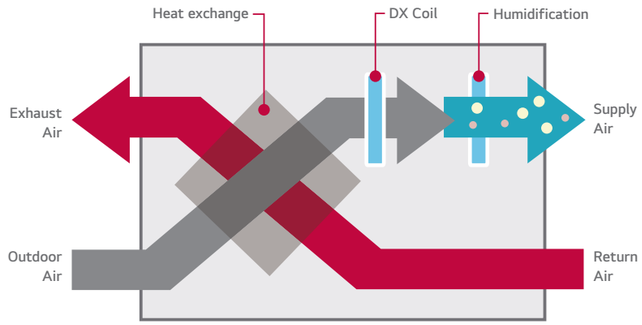
Providing Cool & Warm Fresh Air

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



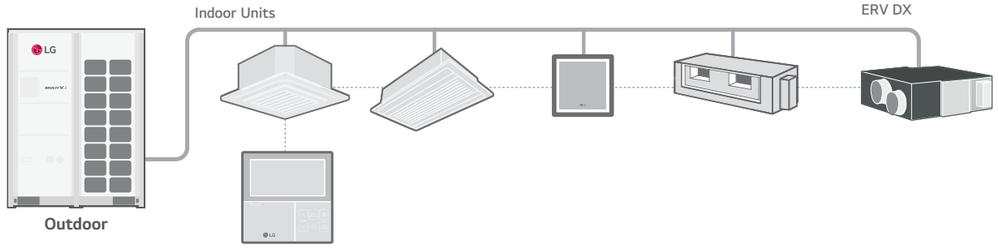
Total Air Conditioning Solution

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 provides air conditioning by cooling and dehumidifying incoming air. During winter, warm air is provided by heating and humidifying incoming 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.



LZ-H050GXN4
LZ-H080GXN4
LZ-H100GXN4



MODEL		UNIT	LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Fresh Air Conditioning Load	Cooling	kW	4.93	7.46	9.12
	Heating	kW	6.73	9.80	11.72
Temperature Exchange Efficiency	SH / H / L	%	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78
Enthalpy Exchange Efficiency	Cooling (SH / H / L)	%	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50
	Heating (SH / H / L)	%	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66
Operation Range	Outdoor air Temperature	°C	-15 ~ 45	-15 ~ 45	-15 ~ 45
Air Flow Rate	Heat Exchange Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
	Bypass Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
Fan	External Static Pressure (SH / H / L)	Pa	180 / 150 / 110	170 / 120 / 80	150 / 100 / 70
Sound Pressure	Heat Exchange Mode (SH / H / L)	dB (A)	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
	Bypass Mode (SH / H / L)	dB (A)	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
Refrigerant			R410A		
Power Supply		Φ, V, Hz	1, 220 ~ 240, 50 / 60		
Power Input (Nominal)	Heat Exchange Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27
	Bypass Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27
Nominal Running Current (RLA)	Heat Exchange Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
	Bypass Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
Heat Exchange System			Air to Air Cross Flow Total Heat (Sensible + Latent Heat) Exchange		
Heat Exchange Element			Specially Processed Non-flammable Paper		
Air Filter			Multidirectional Fibrous Fleeces		
Dimensions	W × H × D	mm	1,667 × 365 × 1,140		
Net Weight		kg	98		
Piping Connection	Liquid	mm	Ø 6.35		
	Gas	mm	Ø 12.7		
	Water	mm	-		
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)		
Connection Duct Diameter		mm	Ø 250		

Note :
1. Cooling Capacity Test condition - Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB
2. Heating Capacity Test condition - Indoor temperature : 20°C DB / Outdoor temperature : 7°C DB, 6°C WB
3. Humidifying capacity is based on the following conditions - Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
4. Cooling and heating capacities are based on the following conditions. : Fan is based on High and Super-high.
5. The operating sound measured at the point 1.5 m below the center of the unit is converted to that measured at an anechoic chamber.
6. The specifications, designs and information here are subject to change without notice.

Accessories

CHASSIS	LZ-H050GXH4	LZ-H080GXH4	LZ-H100GXH4	LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Drain Pump	-					
Cassette Cover	-					
Refrigerant Leakage Detector	PRLDNVS0					
EEV Kit	-					
Multi-tenant Power Module	-					
Robot Cleaner	-					
Pre Filter (Washable)	-					
Ion Generator	-					
CO_2 Sensor	AHCS100H0					
Ventilation Kit	-					
IR Receiver	-					
Zone Controller	-					
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB500 (Modbus)					
External Input (1 Point)	○					
Wi-Fi	-					

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



LG Vietnam Air Conditioning Academy

In order to support partners and customers to learn about products, LG Commercial Air Conditioning industry has 3 Academy locations across the country.

Not only a space for product display and product experience, LG Academy also organizes frequent training programs, providing knowledge about design and installation for LG customers and partners, including but not limited to : investors, contractors, design and installation consultants, and refrigeration students in the community.

Hanoi	27 Le Van Luong, Thanh Xuan District
TP.HCM	65 Truong Dinh, District 3
Da Nang	89 Nguyen Thi Minh Khai, Hai Chau District



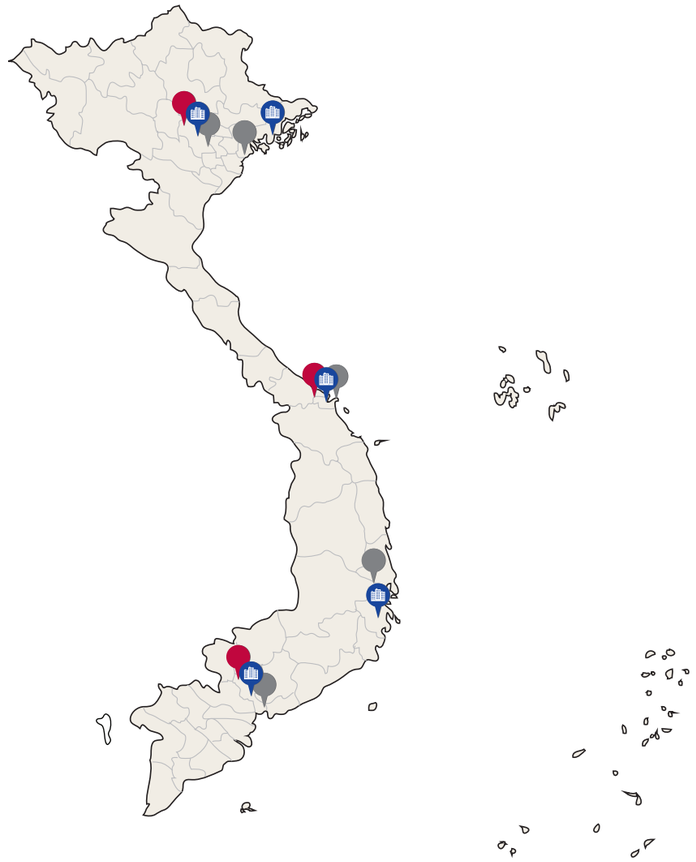
HI-M SOLUTEK VIETNAM

HI-M Solutek Vietnam is LG subsidiary of LG Electronics that specializes in HVAC service and maintenance with nationwide coverage

Hi-M SOLUTEK provides the following services: Service and maintenance for VRF Multi V and Chiller, Remote maintenance management service on the Becon Cloud platform.

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Da Nang	Floor 9, Indochina Building, 74 Bach Dang, Hai Chau District
Nha Trang	Floor 7, Nha Trang Building, Phuong Sai District
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Da Nang	9F, Indochina Building, 74 Bach Dang Str., Hai Chau Dist. – Tel: 0236 3691 307
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Ha Long	Shophouse, Lot D2 – 06, Ha Long Marine Plaza, Bai Chay Ward – Tel: 0203 3900 369

Hotline: **1800 1503** LG HVAC Vietnam LG Vietnam

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

***Note**
This product uses inverter technology, so it can generate harmonics. If local law or the Investor requires harmonic suppression at the construction site, please coordinate with the electrical design unit to take measures to suppress harmonics. Contact your supplier for more detailed information on the electrical characteristics of LG air conditioners.

LG HVAC