

LG HVAC SOLUTION

MULTI V™ 5

INDOOR UNITS

- INDOOR UNITS
- HOT WATER SOLUTION
- VENTILATION SOLUTION



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INDOOR UNIT

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VENTILATION SOLUTION

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ENGINEERING CAPABILITY

:HVAC TOOL & SUPPORT

From planning to service & maintenance and then to de-construction, an architectural project goes along many stages from the beginning to the end of its lifecycle. Along those stages, various engineering tools are applied to solve the diverse issues happening in each stage, with the most optimal solution possible. Due to the usage of such tools, buildings are effectively designed, built, supervised, and maintained throughout the lifecycle.

Dedicated to provide exceptional HVAC engineering support, LG Electronics Air-Solution Business Unit offers several engineering tools and solutions focused on HVAC, during the overall lifecycle of a building, related to the three categories: I. Draft Energy Estimation, II. Model Selection & Design, and III. Installation Environment Simulation. Among them, the LATS* Program series has been developed to offer optimised tool for LG HVAC systems, providing our customers a fast, easy, and accurate way in everyday duties of Model-selection, Draft Energy Estimation & Designing, and many more.

* LATS : LG Air-conditioner Technical Solution



I

Energy Estimation



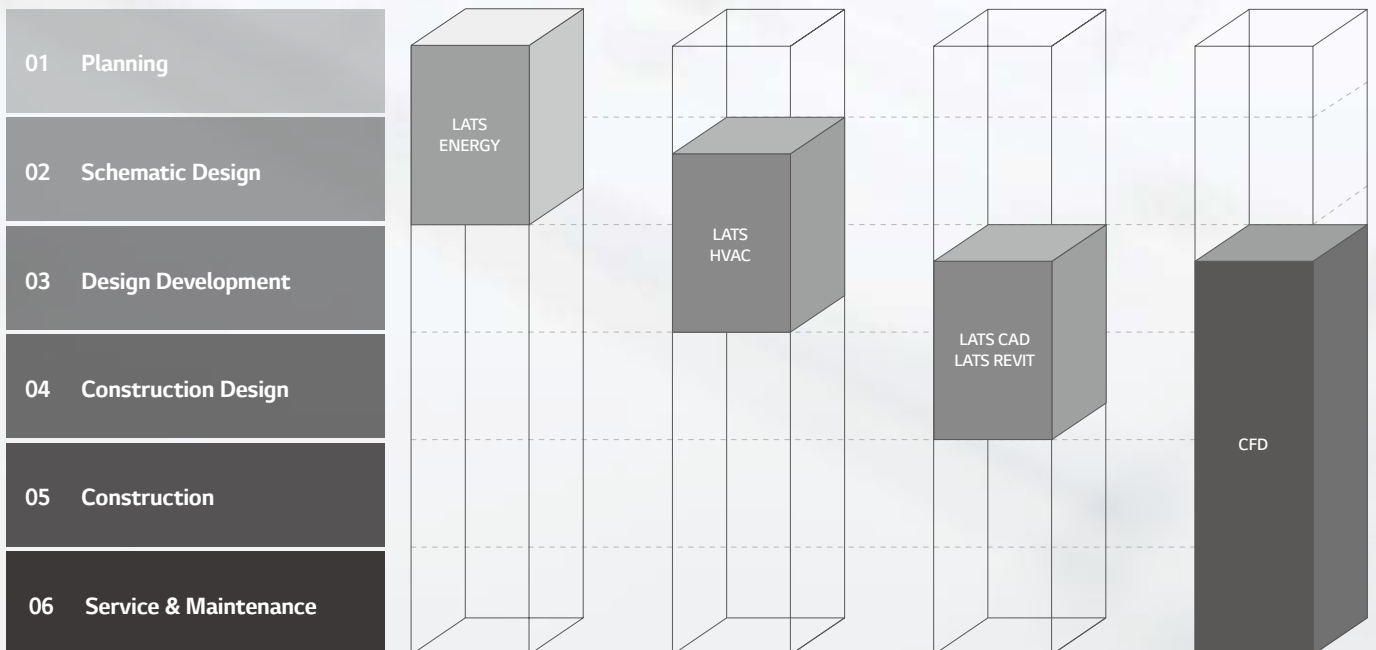
II

Model Selection & Design



III

Installation Environment Simulation



01 Draft Energy Estimation

LATS Energy

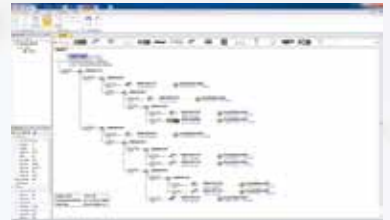
LATS Energy program is a draft energy estimation program, self-developed by LG. This program helps estimate the draft energy usage and analyses the life cycle cost of LG VRF models during the early stage of a project.



02 Model Selection

LATS HVAC

LATS HVAC is an integrated model selection program of LG HVAC products, enabling an accurate and quick selection on the best model suitable to each sites. In addition to model selection, faster estimation on refrigerant piping diameter and additional refrigerant is possible, along with auto printing of reports.



03 Design

LATS CAD

LATS CAD enables faster and a more accurate design of LG HVAC products. Moreover, it offers not only designing, but also quotation and installation review in order to minimise problems during installation processes.



LATS Revit

LATS REVIT is developed to make 3D designing of LG HVAC products easier than the previous program. It enables engineers to check 3D images from designing stage and prevents possible issues of the installation stage.



04 Installation Environment Simulation

CFD Analysis

CFD Analysis is applied in areas of estimating: indoor airflow and temperature distribution while operating VRF products, outdoor airflow distribution, and noise level. By running a simulation before construction, engineers estimate possible issues and find optimal solutions of malfunction that could occur after construction.



LG CONTROL SOLUTION

HOTEL

Hotel Room Solution



APARTMENT

Power Distribution Solution



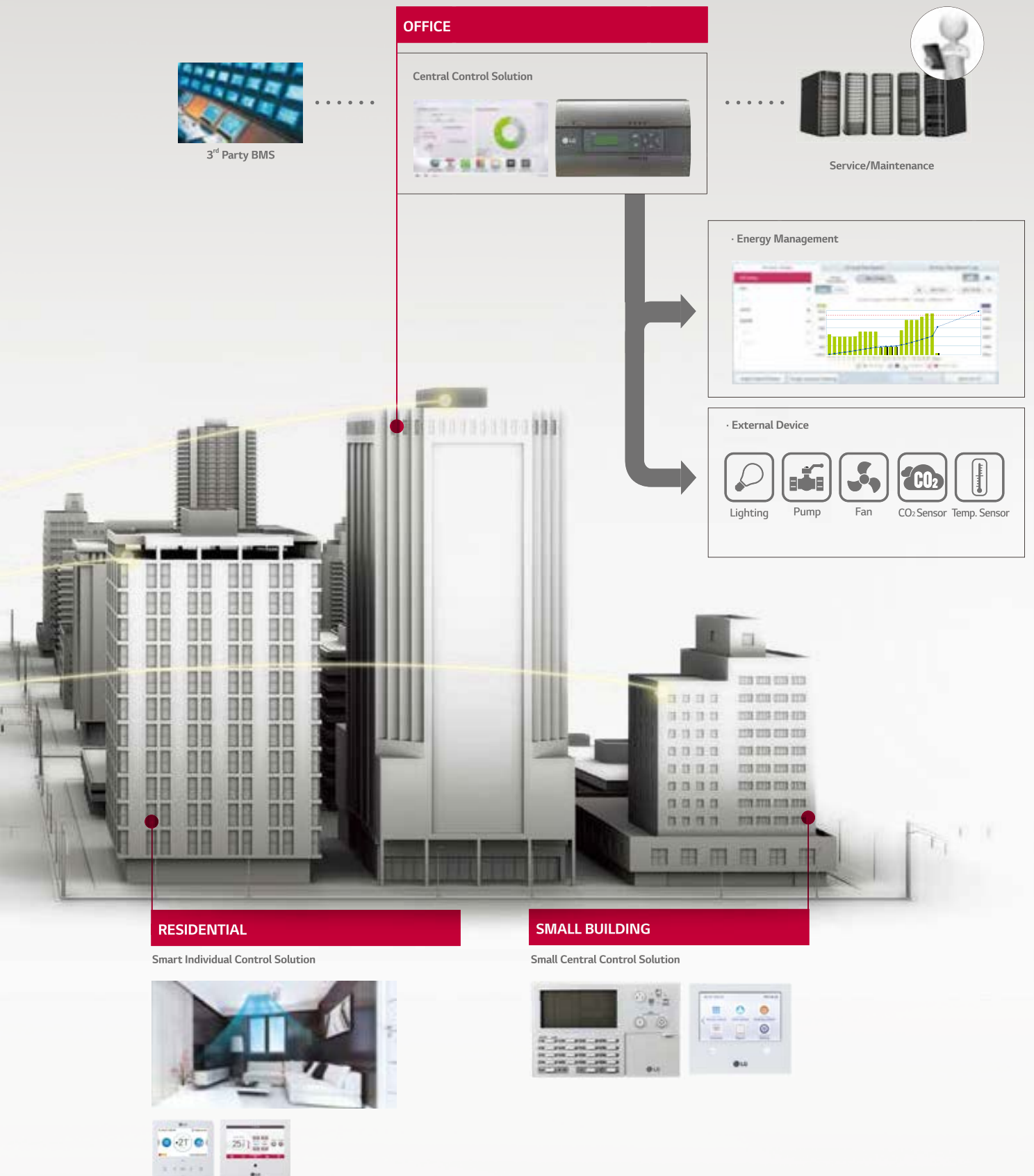
Integration Solution



reddot award
User Interface Design

*2016 AC Manager 5

MULTI V 5 offers a diverse range of effective control solutions that satisfy specific needs of each building and its user scene. These controlling systems are equipped with user friendly interface, flexible interlocking environment, energy management and smart individual controller for optimised controlling conditions and smart building management.



INDOOR UNIT
















WALL MOUNTED UNIT / CEILING MOUNTED CASSETTE / CEILING CONCEALED DUCT
FRESH AIR INTAKE UNIT / CEILING SUSPENDED UNIT / COMPATIBILITY



INDOOR UNIT

LINE-UP

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
Type	Btu/h	5k	7k	9k	12k	15k	18k	21k	24k	28k	30k	36k	42k	48k	54k	76k	96k
Artcool Mirror		•	•	•	•	•	•		•								
	Standard 	•	•	•	•	•	•		•		•	•					
Ceiling Mounted Cassette	4 Way Cassette (570 x 570) 	•	•	•	•	•	•	•									
	4 Way Cassette (840 x 840) 								•	•	•	•	•	•	•		
	2 Way Cassette 			•	•		•		•								
	1 Way Cassette 		•	•	•		•		•								
Ceiling Concealed Duct	Mid / High Static 		•	•	•	•	•		•	•		•	•	•	•	•	•
	Low Static 	•	•	•	•	•	•	•	•								
	Low Static - Short Depth 		•	•	•	•	•		•								
Fresh Air Intake Units 																•	•
Ceiling Suspended Unit 							•		•		•		•				
HYDRO KIT High Temperature 														•		•	
Energy Recovery Ventilator with DX Coil 						•			•		•						

FEATURE OVERVIEW

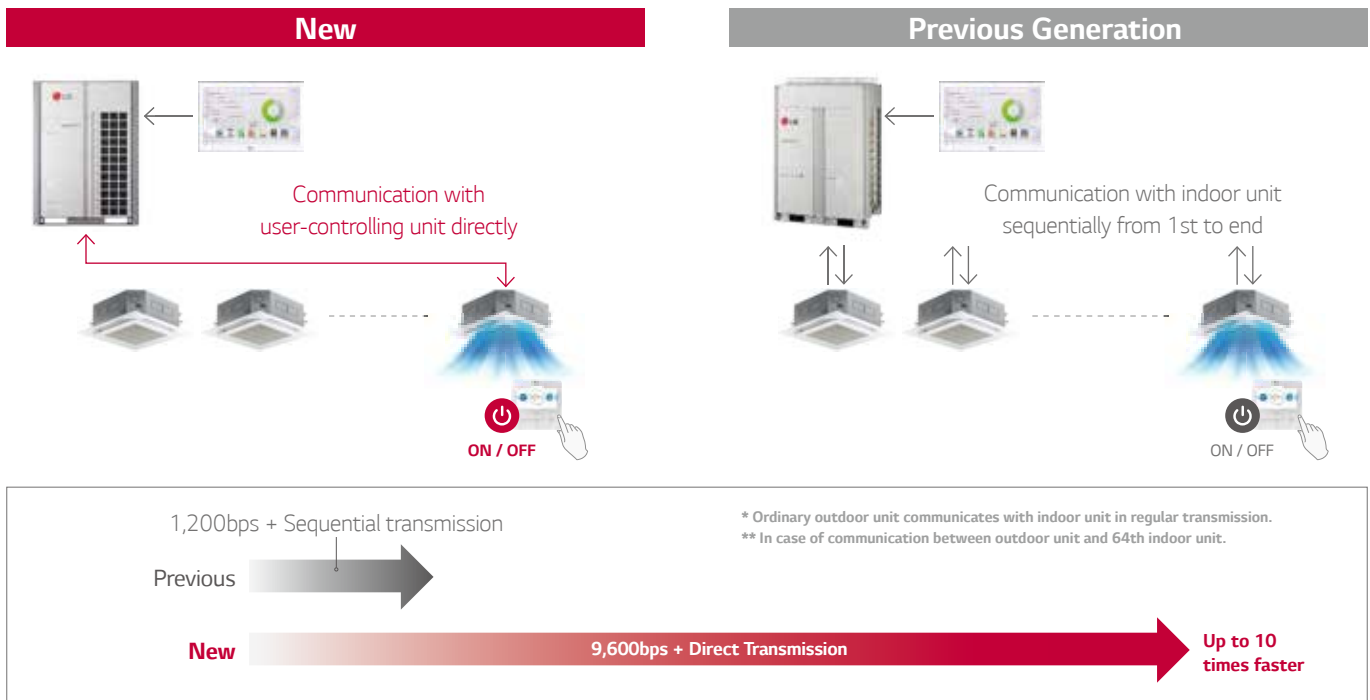
Energy Monitoring	2 Set Point	Occupied / Unoccupied Scheduling Function	Group Control	Test Run (Cooling)	Test Run (Heating)	Model Information Monitoring	Auto Addressing	Refrigerant Leakage Detection	Thermo On / Off Range Setting (Cooling)	Thermo On / Off Range Setting (Heating)	Static Pressure 11 Step Control (Only for Ceiling Concealed Duct Type)	1 Point External Input (On / Off Control)	Filter Sign (Remaining Time)	Auto Restart Function Disable / Enable	Wi-Fi Compatible
•	•	•	•	•	•	•	•	•	•	•		•	•	•	•
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→ More detailed information, refer to the "MULTI V INDOOR COMPATIBILITY"

COMFORT

Quick Control

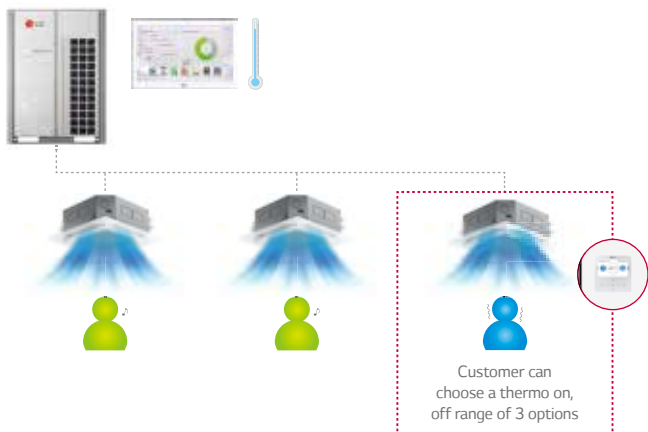
The new Generation indoor unit offers rapid heating and cooling with a response time of up to 10 times faster than previous generations through improved communication method and communication speed.



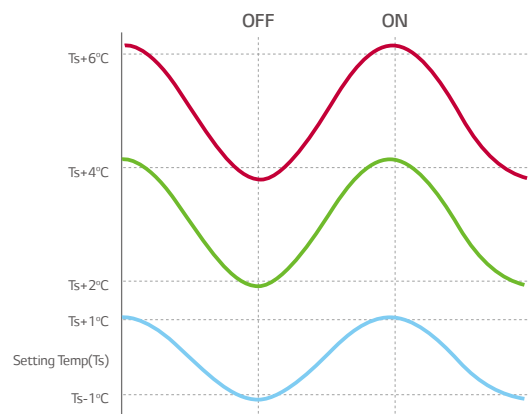
Thermo On / Off Range Setting (Cooling)

The user can set the cooling thermo on / off range with the wired remote controller to prevent overcooling.

Prevention Overcooling



Cooling Thermo On / Off Range



Filter Sign (Remaining Time)

An alarm is activated when the filter needs to be cleaned, the time remaining until cleaning is displayed on the screen.

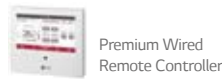
New

Remain Time Until Indoor Filter Cleaning + Alarm



Standard Wired Remote Controller

Remaining time until indoor filter cleaning 2400hr.

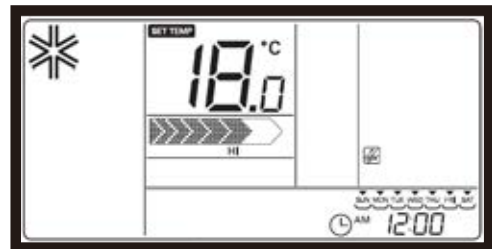


Premium Wired Remote Controller

Remaining time until indoor filter cleaning 1729hr.

Previous

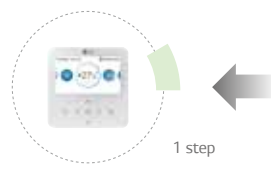
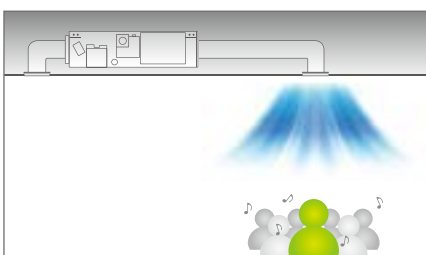
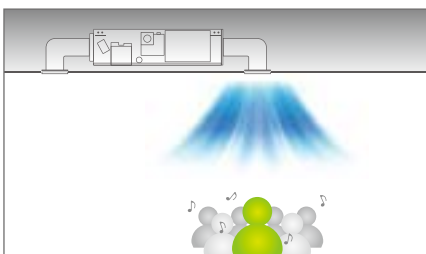
Only Alarm



Static Pressure 11 Step Control (Only for Ceiling Concealed Duct)

Depending on the installation environment, the 4th generation ceiling concealed duct can control the static pressure in 11 steps, which helps provide a comfortable environment.

New

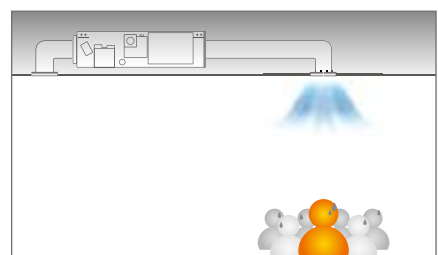
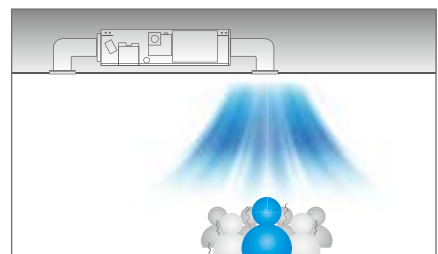


Static Pressure Low Setting



Static Pressure Power Setting

Previous



INDOOR UNIT KEY FEATURES

CONVENIENCE

Group Control

In case of group control, users can control more functions than premium models.

New

Standard Operation
+**In Case of Group Control**

Cooling / Heating Dehumidification
Fan only operating Setting temp.

* In case of all indoor units in 1 group is the same unit.
** Fan Auto function is applicable only in the ceiling concealed duct.

Previous Models

Standard Operation

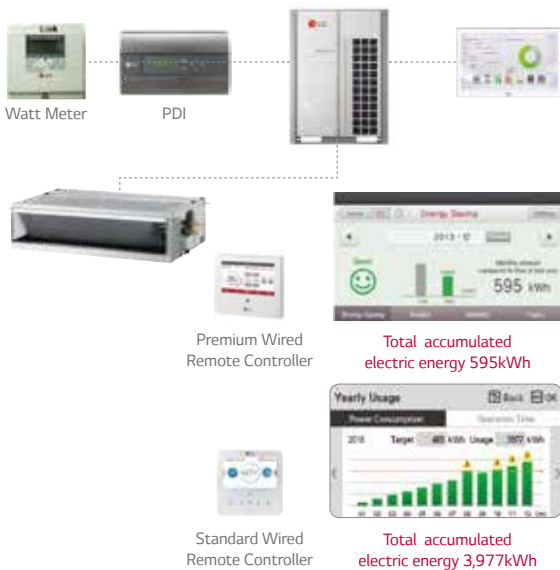
Cooling / Heating Dehumidification
Fan only operating Setting temp.

Sub function isn't operating

Energy Monitoring (Accumulated Electric Energy Check)

The accumulated electric energy of the indoor unit can be displayed with the wired remote control, as well as with the central controller. This function provides an advantage for energy management.

Install Scene



Apply for multistory building



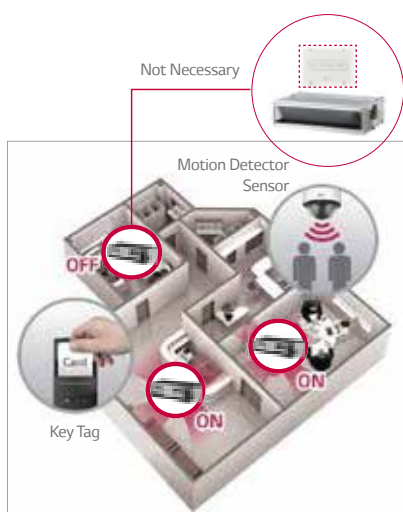
* Outdoor unit's accumulated electric energy / using rate of individual indoor unit + indoor unit's accumulated electric energy is displayed in wired remote controller, only when central controller, digital integrating electricity meter and PDI are installed and PDI, outdoor unit and indoor unit are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

1 Point External Input (On / Off Control)

The indoor unit can control external devices without dry contact, so the customer can reduce the cost of installation.

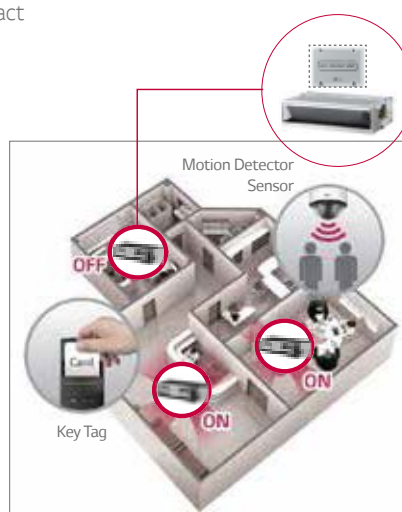
New

Connection between an indoor unit and external devices directly



Previous Generation

Connection between an indoor unit and external devices through dry contact



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

Auto Addressing

Addressing time has been reduced by up to 1.5min. (57% quicker than previous generation), so it's quicker to turn on multiple units.

New



Previous Generation



* 64ea indoor units installing time

CONVENIENCE

Compatibility

- **Outdoor unit**

- Any MULTI V series outdoor unit can be installed

- **Indoor unit**

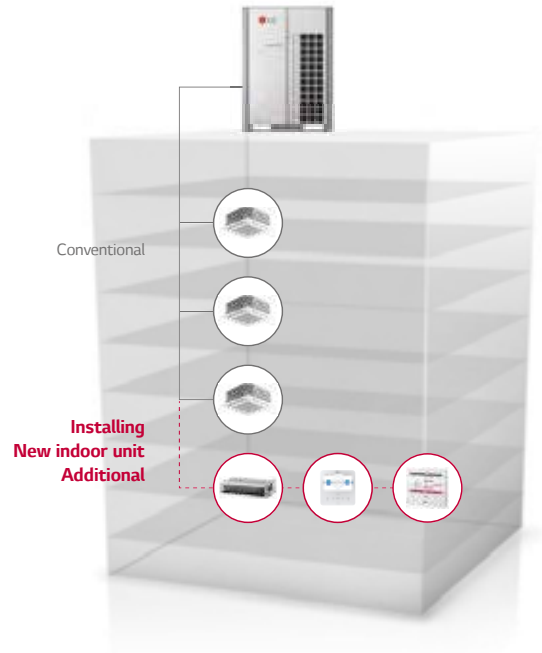
- Any MULTI V series can be installed

- **Wired remote controller**

- Standard III : PREMTB100, PREMTBB10
- Standard II : PREMTB001, PREMTBB01
- Premium : PREMTA000, PREMTA000A, PREMTA000B

- **Implementable Functions**

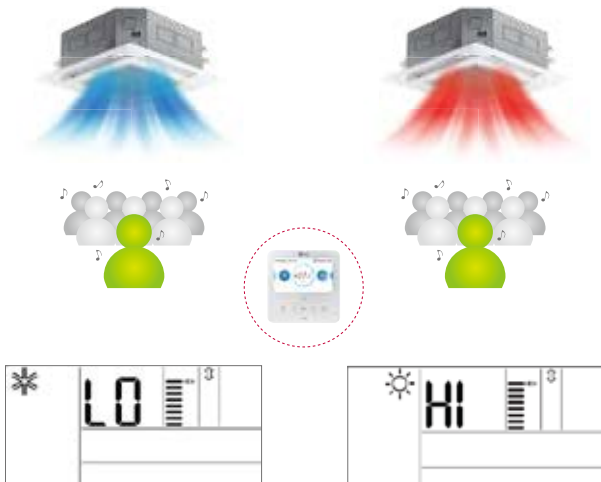
- Static Pressure 11 Step Control
- Cooling thermo on / off range setting
- Filter Sign
- Control the external devices
- Heating test run mode
- Convenient check information



Test Run (Heating)

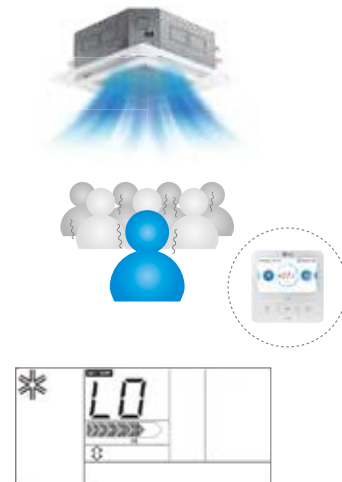
Test run mode can be operated during cooling mode and heating mode for service convenience.

New



Heating and cooling test run mode are available

Previous Generation



Heating test run mode is unavailable

Model Information Monitoring

For easier servicing, the user can check the indoor unit and outdoor unit's information on the wired remote controller.

Category	No.	Model	
First number : Outdoor unit	0	MULTI V	
	1	MULTI	
	2	Single	

Category	No.	Model	No.	Model	No.	Model
Second Number : Indoor Unit	0	CST	6	Console	A	HYDRO KIT for Medium Temp.
	1	Duct	7	Single Package	B	HYDRO KIT for High Temp.
	2	CVT	8	General Ventilation	-	-
	3	PAC	9	AWHP	-	-
	4	RAC	-	-	-	-

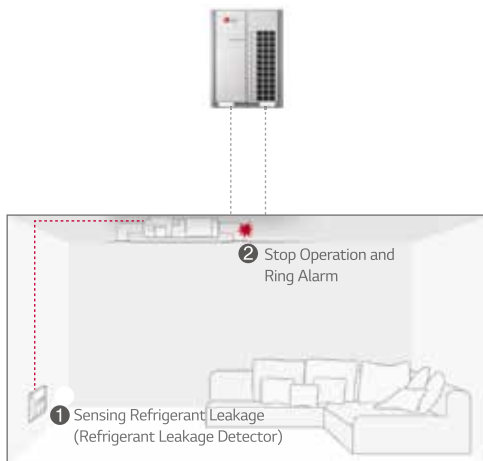
Category	No.	Capacity	No.	Capacity	No.	Capacity	No.	Capacity	
Third number : capacity of the indoor unit	MULTI V	0	5K	4	15K	8	36K	C	76K
		1	7K	5	18K	9	42K	D	96K
		2	9K	6	24K	A	48K	-	-
	MULTI	3	12K	7	28K	B	54K	-	-
		0	5K	4	12K	8	20K	-	-
		1	7K	5	14K	9	24K	-	-
	Single	2	8K	6	15K	A	30K	-	-
		3	9K	7	18K	B	36K	-	-
		0	9K	4	24K	8	48K	-	-
		1	12K	5	30K	9	60K	-	-
		2	18K	6	36K	-	-	-	-
	3	21K	7	42K	-	-	-	-	



Refrigerant Leakage Detection (Option Function)

To meet the Global refrigerant leakage regulations, LG uses a refrigerant leakage detection kit. This detector senses refrigerant leakage and when the refrigerant concentration exceeds 6,000ppm it stops the indoor unit operation and also raises an alarm using a buzzer and sensor LED (The green and red LED lights blink simultaneously).

Refrigerant Leakage Detection



* Refrigerant leakage detector is an option accessory.

In Case of Leak Refrigerant



Oxygen Reduction

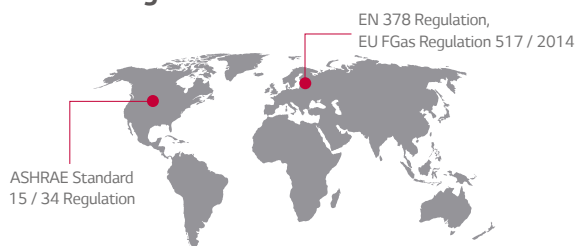


Life Span Reduction



Environmental Pollution

Global Regulation



SMART

Wi-Fi Control

Control your air conditioners via Android or iOS smartphones. So the customer can always come home to comfort.

LG SmartThinQ



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

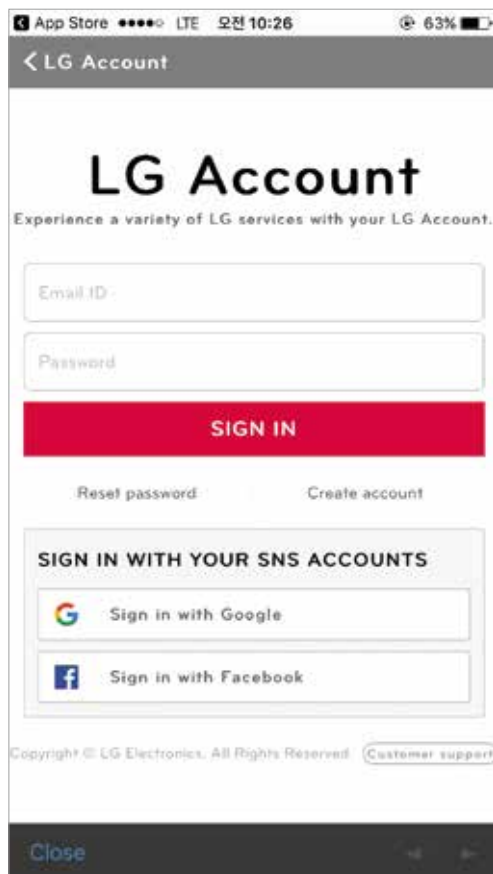


LG SmartThinQ

How it Works

Easy Registration and Log-in

Follow the easy set-up steps that will activate SmartThinQ's impressive feature.



Wi-Fi Connectivity

Let's every member of your family choose their own preferred air conditioning temperature and fan speed, then save the settings in their app to run later. You can save the setting for each air conditioner as well.

Multiple Devices



Multi-Control



* Can be controlled by multiple users, but not simultaneously

WALL MOUNTED UNIT

ARTCOOL Mirror



Mirror

Standard



5kW / 7kW / 9kW /
12kW / 15kW



18kW / 24kW



30kW / 36kW

INDOOR UNIT KEY FEATURES

WALL MOUNTED UNIT

Plasmaster™ Ionizer^{PLUS}

Breathe easier with improved air quality

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

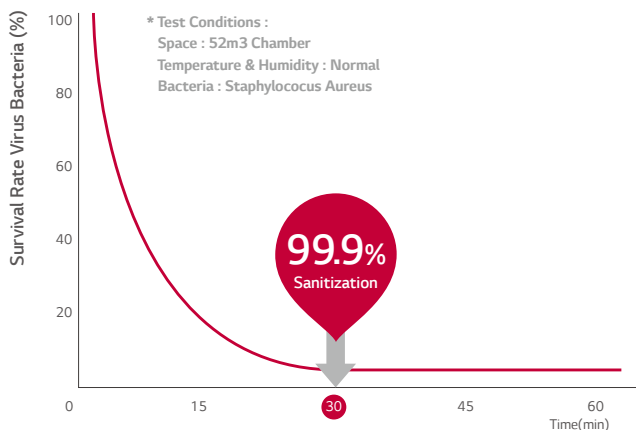
Filtration and Deodorisation



Test Result

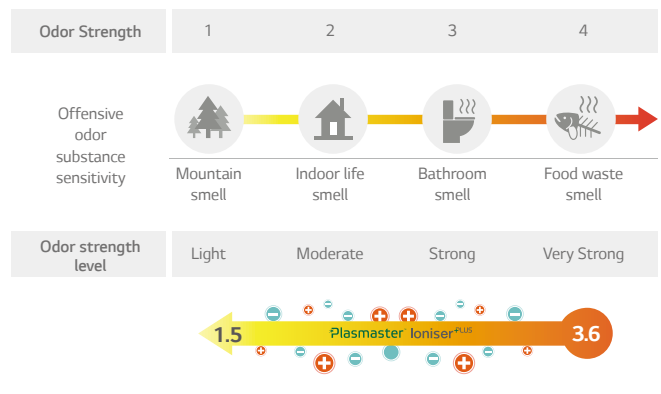
Sterilisation Performance Evaluations

Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over 3 millions ions.



Odor strength decrease in 60 minutes

An odor of strength 2 or less indicates that there is odor but no sense of displeasure (degree of odor permissible).



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

Quick & Easy Installation

LG air conditioners are designed for an easy and efficient installation, making it possible to install several units in a short period of time.

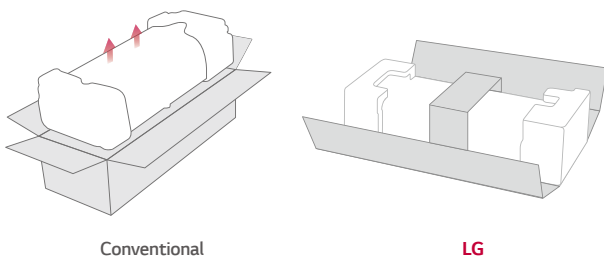
* Specifications may vary for each model.

Concept

By reducing the manpower and time required for installation, it is now possible to install more units in less time.

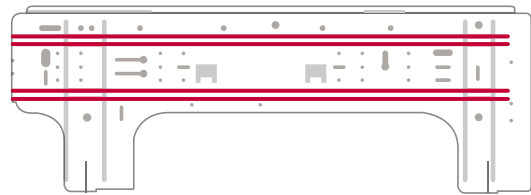
How It Works

One Simple Packing Box



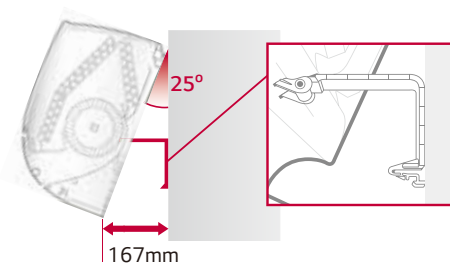
Installation Plate Improvement

LG's installation plate is larger and customised to reduce installation time.



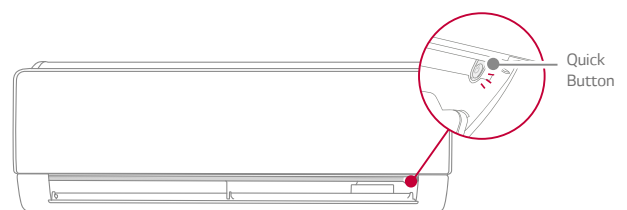
Installation Support Clip

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



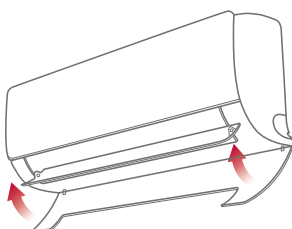
Quick button for running test

The test button is conveniently located and easy to find.



Detachable Bottom Cover

The air conditioner's bottom cover is detachable for easier installation and access.



INDOOR UNIT SPECIFICATION

ARTCOOL MIRROR

ARNU05GSJR4 / ARNU07GSJR4 / ARNU09GSJR4
ARNU12GSJR4 / ARNU15GSJR4



Model	Independent Unit			ARNU05GSJR4	ARNU07GSJR4	ARNU09GSJR4	ARNU12GSJR4	ARNU15GSJR4	
Capacity	Cooling		kW	1.6	2.2	2.8	3.6	4.5	
	Heating		kW	1.8	2.5	3.2	4.0	5.0	
Power Input	H / M / L		W	11 / 10 / 9	12 / 11 / 9	13 / 12 / 9	15 / 13 / 11	23 / 18 / 11	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
Airflow Rate	Cooling / Heating	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	
			L/s	113 / 108 / 98	120 / 113 / 98	130 / 120 / 98	142 / 130 / 113	175 / 158 / 113	
Sound Pressure			H / M / L	dBA	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32
Sound Power			H / M / L	dBA	54 / 53 / 52	54 / 53 / 52	55 / 54 / 52	55 / 54 / 53	58 / 56 / 54
Dimensions	Body	W x H x D	mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192	
Net Weight				kg	9.2	9.2	9.2	9.2	
Piping Connection	Liquid		mm	6.35	6.35	6.35	6.35	6.35	
	Gas		mm	12.7	12.7	12.7	12.7	12.7	
	Drain	I.D	mm	16.0	16.0	16.0	16.0	16.0	

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

Accessories

Model		ARNU05GSJR4	ARNU07GSJR4	ARNU09GSJR4	ARNU12GSJR4	ARNU15GSJR4
Dry Contact	Simple (1 Contact Point with Case)			PDRYCB000		
	2 Contact Point			PDRYCB400		
	For Thermostat (On-Off / Mode / Fan Speed)			PDRYCB300		
	Modbus Communication			PDRYCB500		
EEV Kit for MULTI V Indoor				PRGK024A0		

Wired Remote Controller						Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel		
						
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCL0QW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB	

ARNU18GSKR4 / ARNU24GSKR4



Model	Independent Unit			ARNU18GSKR4	ARNU24GSKR4
Capacity	Cooling		kW	5.6	7.1
	Heating		kW	6.3	7.5
Power Input	H / M / L		W	32 / 26 / 16	39 / 26 / 16
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Airflow Rate	Cooling / Heating	H / M / L	m ³ /min	14.0 / 12.0 / 10.5	15.2 / 12.7 / 10.5
			L/s	233 / 200 / 175	253 / 212 / 175
Sound Pressure			H / M / L dBA	43 / 39 / 34	46 / 41 / 34
Sound Power			H / M / L dBA	63 / 57 / 542	65 / 60 / 54
Dimensions	Body	W x H x D	mm	1,030 x 325 x 245	1,030 x 325 x 245
Net Weight			kg	13.4	13.4
Piping Connection	Liquid		mm	6.35	9.52
	Gas		mm	12.7	15.88
	Drain	I.D	mm	16.0	16.0

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

Accessories

Model	ARNU18GSKR4	ARNU24GSKR4
Dry Contact	Simple (1 Contact Point with Case)	PDRYCB000
	2 Contact Point	PDRYCB400
	For Thermostat (On-Off / Mode / Fan Speed)	PDRYCB300
	Modbus Communication	PDRYCB500
EEV Kit for MULTI V Indoor	PRGK024A0	

Wired Remote Controller						Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel		
						
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCL0QW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB	

INDOOR UNIT SPECIFICATION

STANDARD

ARNU05GSJN4 / ARNU07GSJN4 / ARNU09GSJN4 / ARNU12GSJN4 / ARNU15GSJN4
ARNU18GSKN4 / ARNU24GSKN4 / ARNU30GSVA4 / ARNU36GSVA4



Model	Independent Unit		ARNU05GSJN4	ARNU07GSJN4	ARNU09GSJN4	ARNU12GSJN4	ARNU15GSJN4	ARNU18GSKN4	ARNU24GSKN4	ARNU30GSVA4	ARNU36GSVA4	
Capacity	Cooling	kW	1.6	2.2	2.8	3.6	4.5	5.6	7.1	8.8	10.4	
	Heating	kW	1.8	2.5	3.2	4.0	5.0	6.3	7.5	9.4	10.8	
Power Input	H / M / L	W	11 / 10 / 9	12 / 11 / 9	13 / 12 / 9	15 / 13 / 11	23 / 18 / 11	32 / 26 / 16	39 / 26 / 16	54 / 43 / 31	85 / 51 / 36	
Power Supply	Ø/V/Hz		1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Airflow Rate	Cooling / Heating	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	14.0 / 12.0 / 10.5	15.2 / 12.7 / 10.5	22.0 / 19.0 / 16.0	27.0 / 24.0 / 20.0
			L/s	113 / 108 / 98	120 / 113 / 98	130 / 120 / 98	142 / 130 / 113	175 / 158 / 113	233 / 200 / 175	253 / 212 / 175	367 / 317 / 267	450 / 400 / 334
Sound Pressure	H / M / L	dBA	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32	43 / 39 / 34	46 / 41 / 34	49 / 44 / 42	52 / 47 / 43	
Sound Power	H / M / L	dBA	54 / 53 / 52	54 / 53 / 52	55 / 54 / 52	55 / 54 / 53	58 / 56 / 54	63 / 57 / 52	65 / 60 / 54	61 / 58 / 55	63 / 60 / 57	
Dimensions	Body	WxHxD	mm	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	975 x 354 x 209	975 x 354 x 209	1,190 x 346 x 265	
Net Weight		kg	8.4	8.4	8.4	8.4	8.4	12.2	12.2	116.6	16.6	
Piping Connection	Liquid	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52	9.52	9.52	
	Gas	mm	12.7	12.7	12.7	12.7	12.7	12.7	15.88	15.88	15.9	
	Drain I.D	mm	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

Accessories

Model	ARNU05GSJR4	ARNU07GSJR4	ARNU09GSJR4	ARNU12GSJR4	ARNU15GSJR4	ARNU18GSKR4	ARNU24GSKR4	ARNU30GSVA4	ARNU36GSVA4	
Dry Contact	Simple (1 Contact Point with Case)					PDRYCB000				
	2 Contact Point					PDRYCB400				
	For Thermostat (On-Off / Mode / Fan Speed)					PDRYCB300				
	Modbus Communication					PDRYCB500				
EEV Kit for MULTI V Indoor	PRGK024A0									

Wired Remote Controller						Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel		
						
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCL0QW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB	

CEILING MOUNTED CASSETTE (4 Way)

INDOOR UNIT

Compact Size

The indoor unit has slim and compact dimensions to enable easier installations into restricted spaces.



Capacity	Height
7.1 - 8.0kW	204mm
10.0kW	246mm
12.5 - 15kW	288mm

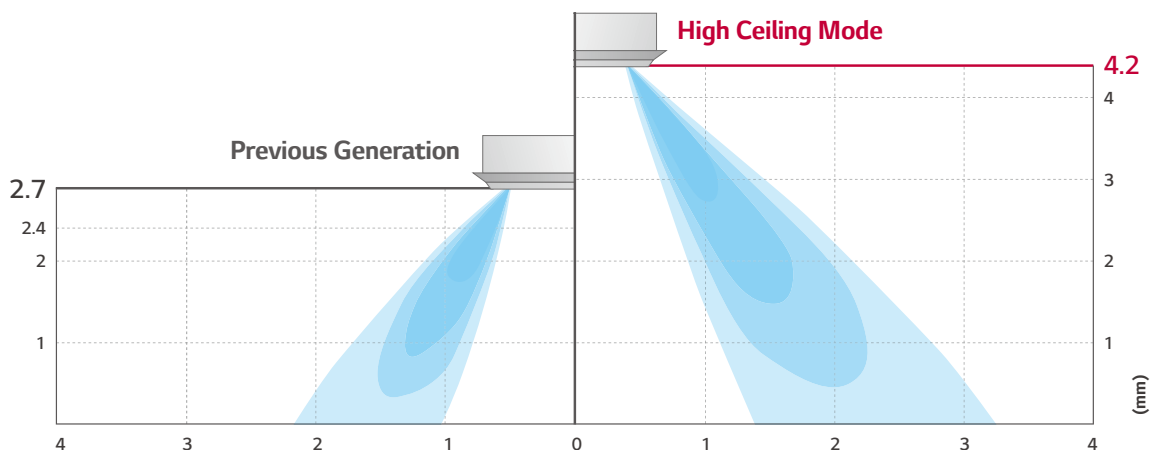
620 Panel – Compact and Stylish Design

- New 4 way cassette panel has adapted a unibody shape to help matching into the ceiling
- Panel size will fit into the ceiling tile



High Ceiling Mode

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

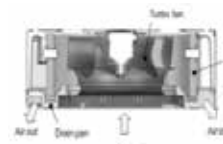


CEILING MOUNTED CASSETTE (4 Way)

Human detect sensor & humidity sensor*



Human detection sensor (PTVSMA0)



Apply human detection sensor

- Apply vision sensor
- Saving energy
- Supply comfortable flow
- * Sensor is optional accessory only can be applied to PT-MCHW0

Comfortable and Power Saving Control based on Humidity

- Apply humidity sensor
- Saving energy
- (To apply humidity sensor, new remote controller, PREMTB100 or PREMTBB10 is needed)

• Detection

Checking no. of people and movement every 20 seconds



• Detection range



Height 3.2 (15 x 8m)



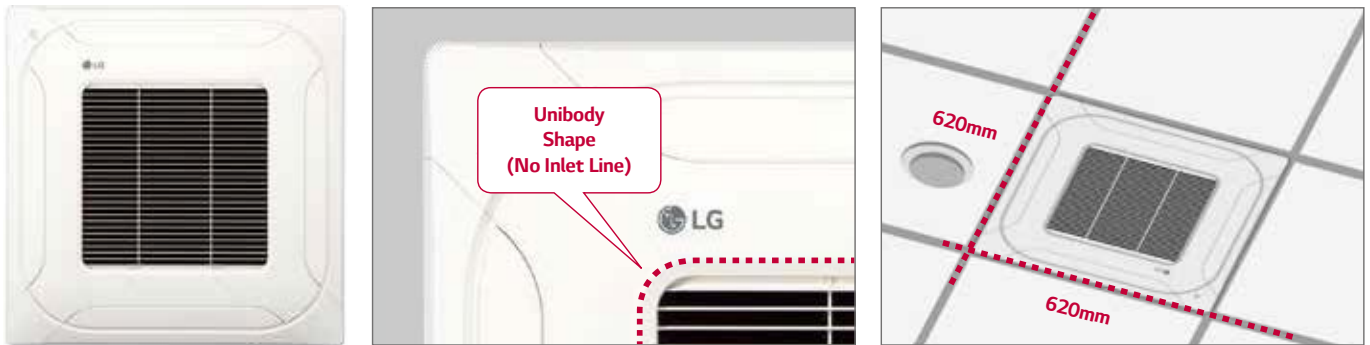
Height 3.5 (16 x 10m)



A sensor is installed 90° rotation 12 x 6m → 6 x 12m detecting

Compact and Stylish Design

- New 4 Way cassette panel has adapted a unibody shape to help match the ceiling
- Panel size fits into the ceiling tile



Auto Elevation Grille

The Independent Vane Operation feature uses separate motors, making it possible to control all four vanes independently.

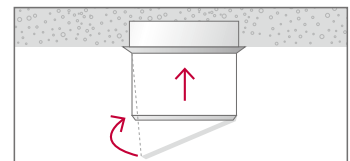
Easy filter cleaning with elevation grill.



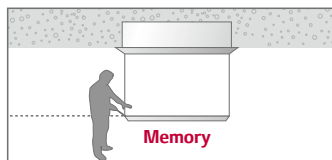
4-Point Support Structure



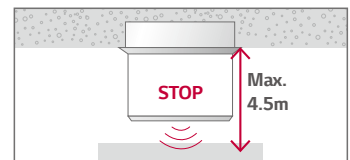
Auto Leveling



Memory for User's Level



Auto Stop Detection



* Operating with wired remote controller (Model Name : PREMTB001,PREMTBB01) and wireless remote controller included in PTEGMO.

* Except ARNU05GTRC4, ARNU07GTRC4, ARNU09GTRC4, ARNU12GTRC4, ARNU15GTQC4, ARNU18GTQC4, ARNU21GTQC4

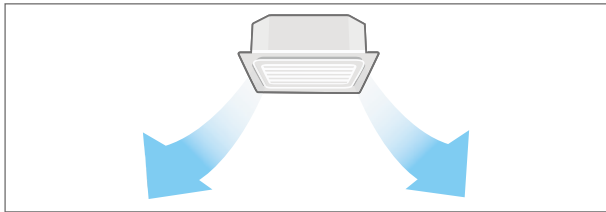
* Applied to Cassette panel PT-UMC1

CEILING MOUNTED CASSETTE (4 Way / 2 Way)

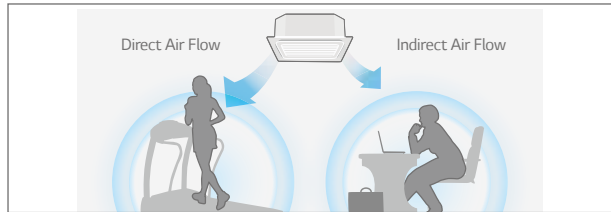
Independent Vane Control

The Independent Vane Operation feature uses separate motors, making it possible to control all four vanes independently.

All Vane Operation

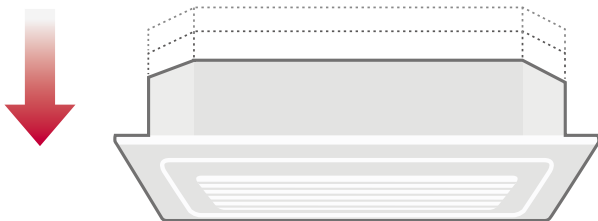


Independent Vane Control



Compact Size

The indoor unit has slim and compact dimensions to make it easier to install into restricted spaces.



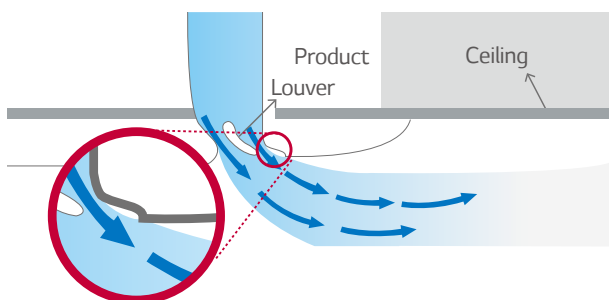
Capacity	Height
7.1 - 9.0kW	204mm
10.6kW	246mm
12.3 - 15.8kW	288mm

* Length Width : 840 x 840mm

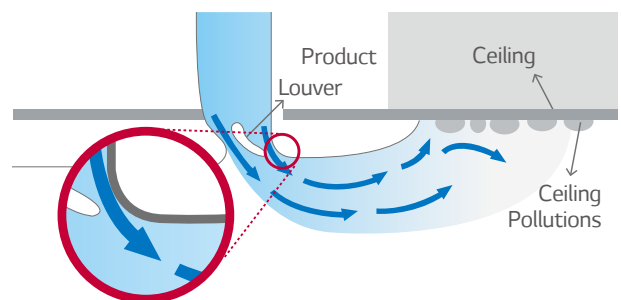
Reduce Ceiling Pollution

Coanda design of the air outlet can help prevent contamination of the ceiling.

Coanda Design



Previous Generation

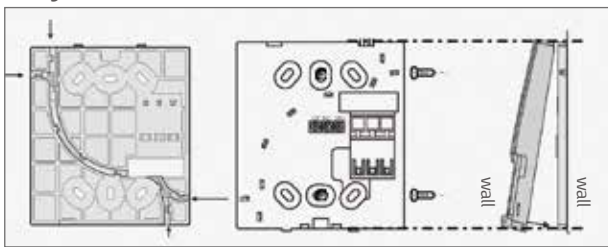


Flexible Connection

Flexible connection of remote controller.

- Group control : 1 remote controller up to 16 indoor units. / Second remote control : 2 remote controllers to 1 indoor unit.

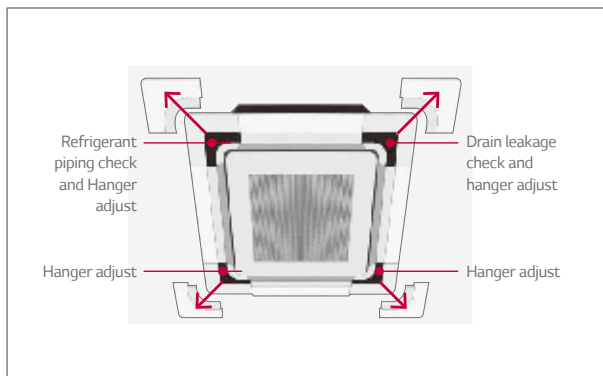
Easy & Solid Attachment to the Wall



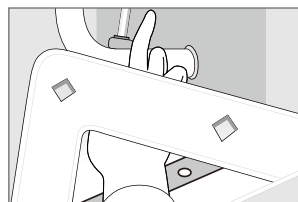
Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe.

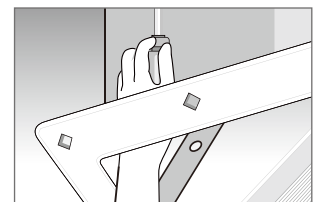
Detachable Corner Design



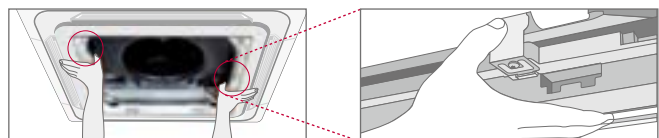
Drain leakage check



Hanger adjust

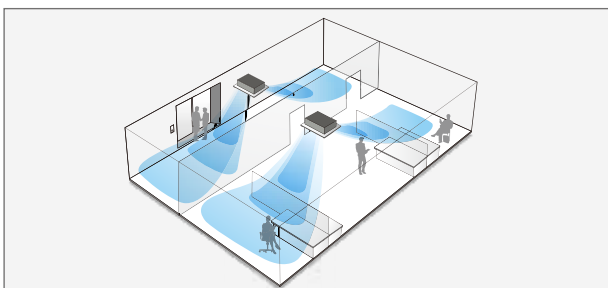


It is easy to install the panel to the body, using the button type panel design.



2 Way air flow with reduced temperature variation

2 Way cassette is suitable for narrow type spaces such as office / hotel / dormitory corridor, it provides thermal comfort with reduced temperature variation.

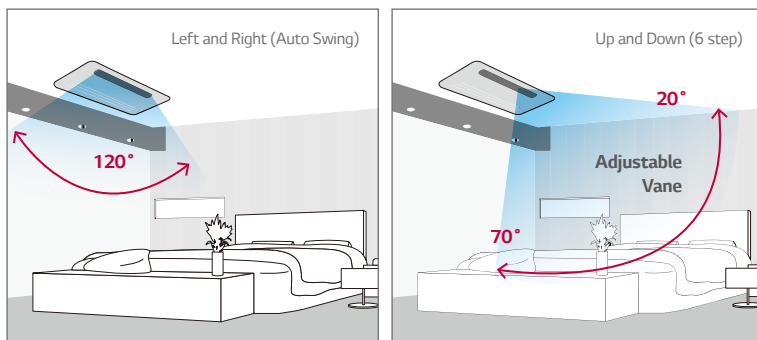


CEILING MOUNTED CASSETTE (1 Way)

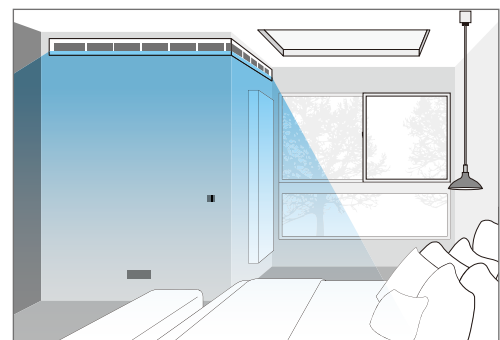
6-Step Vane Control

There are 6 different steps to control the air flow direction. Also the 1 way cassette has a vane to move auto swing between left and right 120 degrees.

Moving Air Flow 1 Way cassette



Fixed Air Flow Duct system



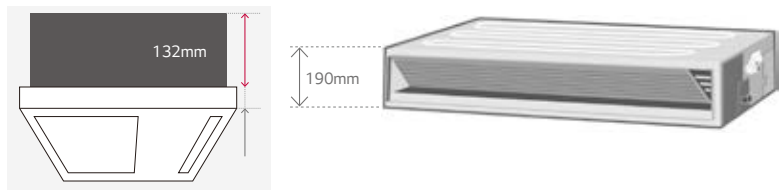
Minimised Height

LG 1 Way cassette is less affected by installation environment. LG 1 Way cassette height is 132mm and the duct is 190mm, so it can be the ideal solution for installation in a limited space.

Size Comparison

(Unit : mm)

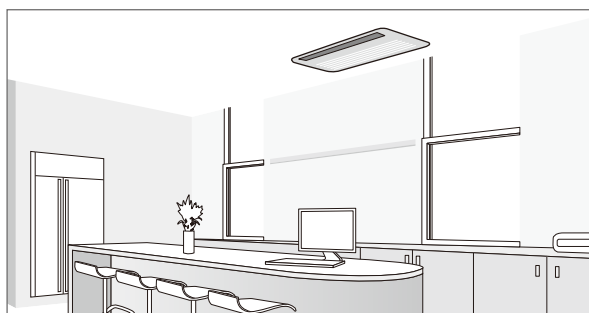
	LG	A Company	B Company
1 Way Cassette	132	215	230
Duct	190	200	200



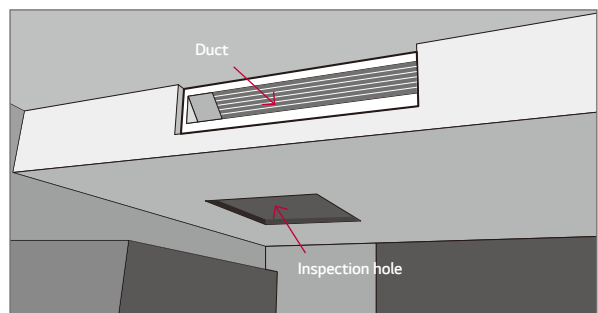
Flexible Installation

The access for inspection 1 Way Cassette does not require additional inspection hole.

1 Way cassette



Duct



INDOOR UNIT SPECIFICATION

4 WAY MOUNTED CASSETTE (570 x 570)

INDOOR UNIT

ARNU05GTRB4 / ARNU07GTRB4 / ARNU09GTRB4 / ARNU12GTRB4
ARNU15GTQB4 / ARNU18GTQB4 / ARNU21GTQB4



Model	Independent Unit			ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Capacity	Cooling		kW	1.6	2.2	2.8	3.6	4.5	5.6	6.0
	Heating		kW	1.8	2.5	3.2	4.0	5.0	6.3	6.8
Power Input	Cooling / Heating		W	13	13	14	17	24	25	28
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Airflow Rate	Cooling / Heating	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	11.0 / 10.0 / 9.3	11.2 / 11.0 / 10.0	12.0 / 11.1 / 9.4
			L/s	125 / 117 / 110	125 / 117 / 110	134 / 125 / 118	145 / 134 / 117	183 / 137 / 115	187 / 183 / 137	200 / 185 / 157
Sound Pressure	H / M / L		dBA	29 / 27 / 26	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27	36 / 34 / 32	37 / 35 / 34	40 / 38 / 34
Sound Power	H / M / L		dBA	45 / 43 / 42	45 / 43 / 42	46 / 43 / 42	48 / 46 / 43	50 / 48 / 46	51 / 50 / 46	53 / 51 / 46
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570	570 x 256 x 570	570 x 256 x 570
Net Weight			kg	12.6	12.6	13.7	13.7	15.0	15.0	15.0
Piping Connection	Liquid			mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas			mm	12.7	12.7	12.7	12.7	12.7	15.88
	Drain	I.D	mm	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Decoration Panel 1	Model			PT-UQC	PT-UQC	PT-UQC	PT-UQC	PT-UQC	PT-UQC	PT-UQC
	Color (RAL Code)			Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)
	Dimensions	W x H x D	mm	700 x 22 x 700	700 x 22 x 700	700 x 22 x 700	700 x 22 x 700	700 x 22 x 700	700 x 22 x 700	700 x 22 x 700
	Weight			kg	3.0	3.0	3.0	3.0	3.0	3.0
Decoration Panel 2	Model			PT-QCHWO	PT-QCHWO	PT-QCHWO	PT-QCHWO	PT-QCHWO	PT-QCHWO	PT-QCHWO
	Color (RAL Code)			Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)
	Dimensions	W x H x D	mm	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620
	Weight			kg	3.1	3.1	3.1	3.1	3.1	3.1

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification 3. I.D : ' Internal Diameter '

Accessories

Model	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Dry Contact	Simple (1 Contact Point with Case)			PDRYCB000			
	2 Contact Point			PDRYCB400			
	For Thermostat (On-Off / Mode / Fan Speed)			PDRYCB300			
	Modbus Communication			PDRYCB500			
Front Panel	PT-QCHWO / PT-UQC						
Ventilation Kit	PTVK430						
EEV Kit for MULTI V Indoor	PRGK024A0						

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB

INDOOR UNIT SPECIFICATION

4 WAY CASSETTE (840 x 840)

ARNU24GTPA4 / ARNU28GTPA4 / ARNU30GTPA4 / ARNU36GTNA4
 ARNU42GTMA4 / ARNU48GTMA4 / ARNU54GTMA4



Model	Independent Unit		ARNU24GTPA4	ARNU28GTPA4	ARNU30GTPA4	ARNU36GTNA4	ARNU42GTMA4	ARNU48GTMA4	ARNU54GTMA4	
Capacity	Cooling	kW	7.1	8.2	9.0	10.6	12.3	14.1	15.8	
	Heating	kW	8.0	9.2	10.0	11.9	13.8	15.9	18.0	
Power Input	Cooling / Heating	W	31	40	40	70	104	120	135	
Power Supply		Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
Airflow Rate	Cooling / Heating	H / M / L	m ³ /min	17.0 / 15.0 / 13.0	19.0 / 16.0 / 14.0	24.3 / 22.8 / 19.5	25.0 / 21.0 / 19.0	30.0 / 27.0 / 24.0	31.0 / 29.0 / 27.0	34.0 / 32.0 / 27.0
		L/s	283 / 250 / 217	317 / 267 / 233	405 / 380 / 325	417 / 350 / 317	500 / 450 / 400	517 / 483 / 450	567 / 533 / 450	
Sound Pressure		H / M / L	dBA	36 / 34 / 31	39 / 35 / 33	40 / 36 / 33	43 / 40 / 37	44 / 41 / 38	46 / 43 / 41	50 / 48 / 44
Sound Power		H / M / L	dBA	46 / 44 / 43	52 / 46 / 44	58 / 57 / 54	56 / 53 / 51	58 / 55 / 50	60 / 56 / 55	60 / 58 / 55
Dimensions	Body	W x H x D	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Net Weight			kg	20.8	20.8	20.8	23.5	25.6	25.6	26.5
Piping Connection	Liquid		mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Gas		mm	15.88	15.88	15.88	15.88	15.88	15.88	15.88
	Drain	I.D	mm	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Decoration Panel 1	Model			PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1
	Color (RAL Code)			Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)
	Dimensions	W x H x D	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
	Weight		kg	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Decoration Panel 2	Model			PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0	PT-MCHW0
	Color (RAL Code)			Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)
	Dimensions	W x H x D	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight		kg	6.3	6.3	6.3	6.3	6.3	6.3	6.3

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification 3. I.D : ' Internal Diameter '

Accessories

Model		ARNU24GTPA4	ARNU28GTPA4	ARNU30GTPA4	ARNU36GTNA4	ARNU42GTMA4	ARNU48GTMA4	ARNU54GTMA4
Dry Contact	Simple (1 Contact Point with Case)				PDRYCB000			
	2 Contact Point				PDRYCB400			
	For Thermostat (On-Off / Mode / Fan Speed)				PDRYCB300			
	Modbus Communication				PDRYCB500			
Front Panel				PT-UMC1 / PT-MCHW0				
Ventilation Kit				PTGEMO				
EEV Kit for MULTI V Indoor				PTVK410 / PTVK420 / PTVK430				

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB

INDOOR UNIT SPECIFICATION

2 WAY CASSETTE

ARNU09GTSA4 / ARNU12GTSA4
ARNU18GTSA4 / ARNU24GTSA4

INDOOR UNIT



Model	Independent Unit			ARNU09GTSA4	ARNU12GTSA4	ARNU18GTSA4	ARNU24GTSA4
Capacity	Cooling		kW	2.8	3.6	5.6	7.1
	Heating		kW	3.2	4.0	6.3	8.0
Power Input	Cooling / Heating		W	16	18	19	31
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Airflow Rate	Cooling / Heating	H / M / L	m ³ /min	10.8 / 9.8 / 9.1	11.1 / 10.3 / 9.1	11.8 / 10.8 / 9.8	14.5 / 12.4 / 10.3
			L/s	167 / 163 / 152	185 / 172 / 152	197 / 180 / 163	242 / 2.7 / 172
Sound Pressure			H / M / L dBA	33 / 31 / 29	34 / 32 / 29	35 / 33 / 31	40 / 37 / 33
Sound Power			H / M / L dBA	42 / 40 / 38	43 / 41 / 39	44 / 43 / 41	49 / 46 / 41
Dimensions	Body	WxHxD	mm	830 × 225 × 600	830 × 225 × 600	830 × 225 × 600	830 × 225 × 600
Net Weight			kg	18.1	18.1	18.1	18.1
Piping Connection	Liquid			mm	6.35	6.35	6.35
	Gas			mm	12.7	12.7	12.7
	Drain	I.D	mm	25.0	25.0	25.0	25.0
Decoration Panel	Model			PT-USC	PT-USC	PT-USC	PT-USC
	Color			Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)	Morning Fog (RAL 120-4)
	Dimensions	WxHxD	mm	1,100 × 28 × 690	1,100 × 28 × 690	1,100 × 28 × 690	1,100 × 28 × 690
	Weight			kg	4.65	4.65	4.65

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

Accessories

Model	ARNU09GTSA4	ARNU12GTSA4	ARNU18GTSA4	ARNU24GTSA4
Dry Contact	Simple (1 Contact Point with Case)			PDRYCB000
	2 Contact Point			PDRYCB400
	For Thermostat (On-Off / Mode / Fan Speed)			PDRYCB300
	Modbus Communication			PDRYCB500
Front Panel				PT-USC
EEV Kit for MULTI V Indoor	PRGK024A0			-

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
					
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB

INDOOR UNIT SPECIFICATION

1 WAY CASSETTE

ARNU07GTUB4 / ARNU09GTUB4 / ARNU12GTUB4
ARNU18GTTB4 / ARNU24GTTB4



Model	Independent Unit		ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4	ARNU18GTTB4	ARNU24GTTB4		
Capacity	Cooling		kW	2.2	2.8	3.6	5.6	7.1	
	Heating		kW	2.5	3.2	4.0	6.3	7.1	
Power Input	Cooling / Heating		W	20	22	24	38	51	
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
Airflow Rate	Cooling / Heating	H / M / L	m³/min	8.2 / 7.3 / 6.4	9.2 / 8.6 / 8.2	10.0 / 9.2 / 8.2	13.3 / 12.1 / 10.9	14.6 / 13.3 / 11.5	
			L/s	137 / 122 / 107	153 / 143 / 137	167 / 153 / 137	222 / 202 / 182	243 / 222 / 192	
Sound Pressure			H / M / L	dBA	32 / 29 / 25	35 / 34 / 32	38 / 35 / 32	40 / 37 / 35	43 / 40 / 36
Sound Power			H / M / L	dBA	47 / 44 / 41	50 / 48 / 47	52 / 50 / 47	56 / 51 / 48	59 / 53 / 50
Dimensions	Body	WxHxD	mm	860 x 132 x 450	860 x 132 x 450	860 x 132 x 450	1,180 x 132 x 450	1,180 x 132 x 450	
Net Weight			kg	13.6	13.6	13.6	15.6	15.6	
Piping Connection	Liquid		mm	6.35	6.35	6.35	6.35	9.52	
	Gas		mm	12.7	12.7	12.7	12.7	15.88	
	Drain	I.D	mm	25.0	25.0	25.0	25.0	25.0	
Decoration Panel	Model			PT-UUC (Grill) / PT-UUD (Panel)	PT-UUC (Grill) / PT-UUD (Panel)	PT-UUC (Grill) / PT-UUD (Panel)	PT-UTC (Grill) / PT-UTD (Panel)	PT-UTC (Grill) / PT-UTD (Panel)	
	Color (RAL Code)			Noble White (RAL 110-1)	Noble White (RAL 110-1)	Noble White (RAL 110-1)	Noble White (RAL 110-1)	Noble White (RAL 110-1)	
	Dimensions	WxHxD	mm	1,100 x 34 x 500	1,100 x 34 x 500	1,100 x 34 x 500	1,420 x 34 x 500	1,420 x 34 x 500	
	Weight			kg	4.6	4.6	4.6	5.5	5.5

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

Accessories

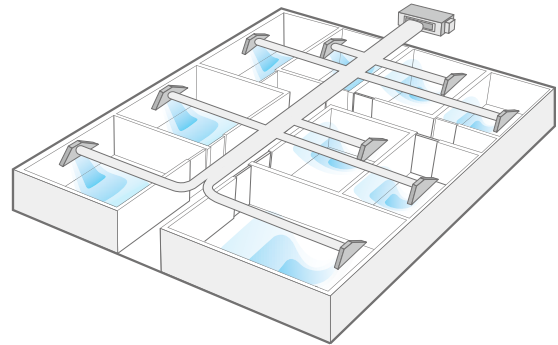
Model	ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4	ARNU18GTTB4	ARNU24GTTB4
Dry Contact	Simple (1 Contact Point with Case)		PDRYCB000		
	2 Contact Point		PDRYCB400		
	For Thermostat (On-Off / Mode / Fan Speed)		PDRYCB300		
	Modbus Communication		PDRYCB500		
Front Panel	PT-UUC (Grill) / PT-UUD (Panel)			PT-UTC (Grill) / PT-UTD (Panel)	
EEV Kit for MULTI V Indoor	PRGK024A0			-	

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
					
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQ0W (White)	PQRCHCA0QW (White)	PQWRHQ0FDB

CEILING CONCEALED DUCT

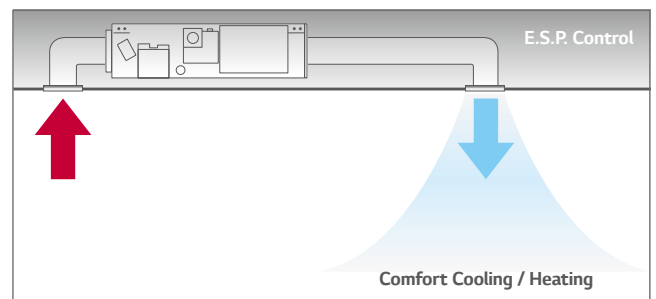
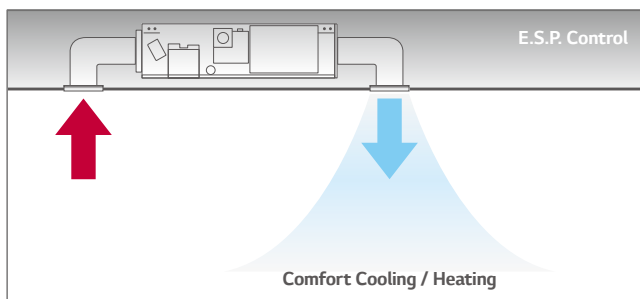
Operation for Multiple Rooms

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



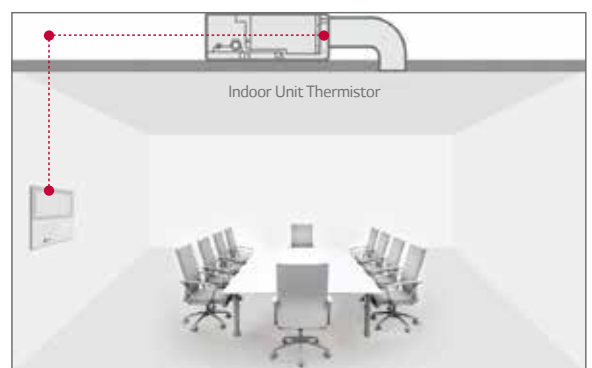
E.S.P. (External Static Pressure) Control

E.S.P. control function can make air volume adjustments easily with remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.



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.



Compares temperatures sensed from different positions, and automatically selects the optimum temperature for users.

Remote Controller Thermistor

CEILING CONCEALED DUCT

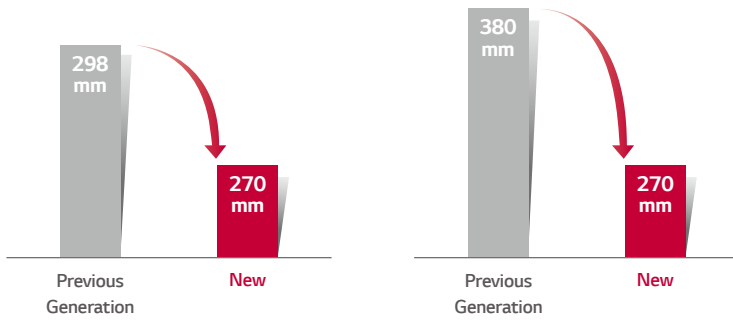
Compact Height

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



8 / 10kW

12.5kW

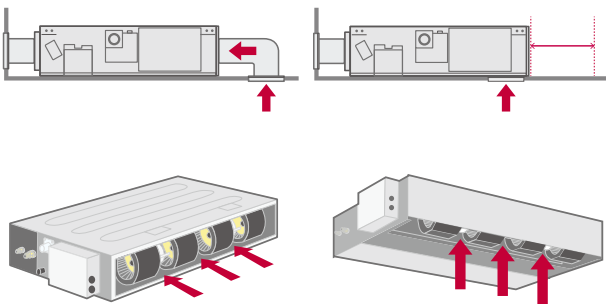


Flexible Installation (Low Static Duct Only)

The new low static duct allows the air intake from the rear or bottom installation condition.

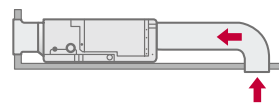
New Low Static Duct

Air intake at the rear or bottom



Previous Generation

Air intake at the only rear



INDOOR UNIT SPECIFICATION

MID / HIGH STATIC

INDOOR UNIT

ARNU07GM1A4 / ARNU09GM1A4 / ARNU12GM1A4
ARNU15GM1A4 / ARNU18GM1A4 / ARNU24GM1A4



Model	Independent Unit			ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Input	Cooling / Heating		W	39	40	46	67	85	91
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Airflow Rate	Cooling / Heating	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	19.0 / 16.0 / 14.0
			L/s	150 / 125 / 100	158 / 125 / 100	183 / 150 / 117	267 / 200 / 150	283 / 242 / 200	317 / 267 / 14.0
External Static Pressure	Min - Max		mmAq(Pa)	2(20) - 15(147)	2(20) - 15(147)	2(20) - 15(147)	2(20) - 15(147)	2(20) - 15(147)	2(20) - 15(147)
Sound Pressure			H / M / L dBA	26 / 24 / 23	27 / 25 / 23	27 / 25 / 23	30 / 27 / 23	31 / 28 / 25	32 / 29 / 26
Sound Power			H / M / L dBA	55 / 54 / 51	55 / 54 / 52	56 / 54 / 52	59 / 57 / 55	59 / 57 / 55	59 / 58 / 56
Dimensions	Body		W x H x D mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700
Net Weight			kg	25.5	25.5	25.5	25.5	25.5	26.5
Piping Connection	Liquid		mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas		mm	12.7	12.7	12.7	12.7	12.7	15.88
	Drain	I.D	mm	25.0	25.0	25.0	25.0	25.0	25.0
Drain Pump				In-built	In-built	In-built	In-built	In-built	In-built

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

4. The Sound Pressure test condition is based on 50 Pa for middle static duct.

Accessories

Model		ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Dry Contact	Simple (1 Contact Point with Case)				PDRYCB000		
	2 Contact Point				PDRYCB400		
	For Thermostat (On-Off / Mode / Fan Speed)				PDRYCB300		
	Modbus Communication				PDRYCB500		
EEV Kit for MULTI V Indoor				PRGK024A0			-
IR Receiver							PWLRVN000

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
					
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCL0QW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB

INDOOR UNIT SPECIFICATION

MID / HIGH STATIC

ARNU28GM2A4 / ARNU36GM2A4 / ARNU42GM2A4 / ARNU48GM3B4
ARNU54GM3B4 / ARNU68GB8K4 / ARNU76GB8K4 / ARNU96GB8K4



Model	Independent Unit			ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3B4	ARNU54GM3B4	ARNU68GB8K4	ARNU76GB8K4	ARNU96GB8K4
Capacity	Cooling		kW	8.2	10.6	12.3	14.1	15.8	20	22.4	28.0
	Heating		kW	9.2	11.9	13.8	15.9	18.0	22.5	25.2	31.5
Power Input	Cooling / Heating		W	123	184	231	172	260	621	747	800
	Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Airflow Rate	Cooling / Heating	H / M / L	m ³ /min	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0	55.2 / 46.8 / 46.8	60.0 / 50.0 / 50.0	72.0 / 64.0 / 64.0
			L/s	467 / 400 / 350	533 / 467 / 400	633 / 550 / 467	667 / 567 / 467	833 / 750 / 667	917 / 780 / 780	1,000 / 833 / 833	1,200 / 1,067 / 1,067
External Static Pressure	Min - Max	Pa		39 - 176	39 - 176	39 - 176	39 - 200	39 - 200	118 - 245	59 - 245	59 - 245
Sound Pressure	H / M / L	dB(A)		38 / 36 / 35	40 / 38 / 36	42 / 41 / 39	41 / 38 / 32	42 / 41 / 40	44 / 43 / 43	45 / 41 / 40	47 / 42 / 41
Sound Power	H / M / L	dB(A)		59 / 57 / 55	60 / 59 / 57	62 / 61 / 60	63 / 60 / 59	66 / 64 / 62	-	70 / 68 / 68	72 / 69 / 68
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700	1,562 x 460 x 688	1,562 x 460 x 688	1,562 x 460 x 688
Net Weight		kg		38.0	38.0	39.5	44.0	44.0	87.0	87.0	87.0
Piping Connection	Liquid		mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Gas		mm	15.88	15.88	15.88	15.88	19.05	19.05	19.05	22.2
	Drain	I.D	mm	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Drain Pump				In-built	In-built	In-built	In-built	In-built	In-built	In-built	In-built

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

4. The Sound Pressure test condition is based on 50 Pa for middle static duct.

Accessories

Model	ARNU28GM2B4	ARNU36GM2B4	ARNU42GM2B4	ARNU48GM3B4	ARNU54GM3B4	ARNU76GB8B4	ARNU96GB8B4
Dry Contact	Simple (1 Contact Point with Case)			PDRYCB000			
	2 Contact Point			PDRYCB400			
	For Thermostat (On-Off / Mode / Fan Speed)			PDRYCB300			
	Modbus Communication			PDRYCB500			
EEV Kit for MULTI V Indoor							-
IR Receiver							PWLRVN000

Wired Remote Controller						Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel		
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQW (White)	PQRCHCAQW (White)	PQWRHQOFDB	

INDOOR UNIT SPECIFICATION

LOW STATIC

ARNU05GL1G4 / ARNU07GL1G4 / ARNU09GL1G4

INDOOR UNIT



Model	Independent Unit		ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4	
Capacity	Cooling		1.7	2.2	2.8	
	Heating		1.9	2.5	3.2	
Power Input	Cooling / Heating		29	31	39	
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
Airflow Rate	Cooling / Heating	H / M / L	m ³ /min	6.7 / 6.2 / 5.5	7.5 / 6.5 / 5.5	9.0 / 7.0 / 5.5
			L/s	112 / 103 / 92	125 / 108 / 92	150 / 117 / 92
External Static Pressure	Min - Max	mmAq(Pa)	0(0) ~ 5(49)	0(0) ~ 5(49)	0(0) ~ 5(49)	
Sound Pressure	H / M / L	dB(A)	25 / 24 / 22	26 / 24 / 22	28 / 25 / 22	
Sound Power	H / M / L	dB(A)	48 / 46 / 45	50 / 47 / 45	53 / 49 / 45	
Dimensions	Body	W x H x D	700 x 190 x 700	700 x 190 x 700	700 x 190 x 700	
Net Weight		kg	17.5	17.5	17.5	
Piping Connection	Liquid		6.35	6.35	6.35	
	Gas		12.7	12.7	12.7	
	Drain	I.D	25.4	25.4	25.4	
Drain Pump			In-built	In-built	In-built	

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

4. The Sound Pressure test condition is based on 50 Pa for middle static duct.

Accessories

Model	ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4
Dry Contact	Simple (1 Contact Point with Case)	PDYCB000	
	2 Contact Point	PDYCB400	
	For Thermostat (On-Off / Mode / Fan Speed)	PDYCB300	
	Modbus Communication	PDYCB500	
EEV Kit for MULTI V Indoor		PRGK024A0	
IR Receiver		PWLRVN000	

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
					
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB

INDOOR UNIT SPECIFICATION

LOW STATIC

ARNU12GL2G4 / ARNU15GL2G4 / ARNU18GL2G4
ARNU21GL3G4 / ARNU24GL3G4



Model	Independent Unit			ARNU12GL2G4	ARNU15GL2G4	ARNU18GL2G4	ARNU21GL3G4	ARNU24GL3G4
Capacity	Cooling		kW	3.6	4.5	5.6	6.2	7.1
	Heating		kW	4.0	5.0	6.3	7.0	8.0
Power Input	Cooling / Heating		W	41	56	71	72	103
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Airflow Rate	Cooling / Heating	H / M / L	m ³ /min	10.0 / 8.5 / 7.0	12.5 / 10.0 / 8.5	15.0 / 12.5 / 10.0	17.5 / 14.0 / 12.0	20.0 / 16.0 / 12.0
			L/s	167 / 142 / 117	208 / 167 / 142	250 / 208 / 167	292 / 233 / 200	333 / 267 / 200
External Static Pressure	Min ~ Max		mmAq(Pa)	0(0) ~ 5(49)	0(0) ~ 5(49)	0(0) ~ 5(49)	0(0) ~ 5(49)	0(0) ~ 5(49)
Sound Pressure	H / M / L		dB(A)	30 / 27 / 25	33 / 30 / 28	35 / 32 / 29	35 / 29 / 28	36 / 33 / 28
Sound Power	H / M / L		dB(A)	50 / 47 / 46	54 / 51 / 47	56 / 54 / 51	59 / 55 / 54	63 / 59 / 55
Dimensions	Body	W x H x D	mm	900 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700	1,100 x 190 x 700
Net Weight			kg	23.0	23.0	23.0	27.0	27.0
Piping Connection	Liquid		mm	6.35	6.35	6.35	9.52	9.52
	Gas		mm	12.7	12.7	12.7	15.88	15.88
	Drain	I.D	mm	25.4	25.4	25.4	25.4	25.4
Drain Pump				In-built	In-built	In-built	In-built	In-built

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

4. The Sound Pressure test condition is based on 50 Pa for middle static duct.

Accessories

Model		ARNU12GL2G4	ARNU15GL2G4	ARNU18GL2G4	ARNU21GL3G4	ARNU24GL3G4
Dry Contact	Simple (1 Contact Point with Case)			PDRYCB000		
	2 Contact Point			PDRYCB400		
	For Thermostat (On-Off / Mode / Fan Speed)			PDRYCB300		
	Modbus Communication			PDRYCB500		
EEV Kit for MULTI V Indoor			PRGK024A0		-	
IR Receiver				PWLRVN000		

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
					
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQW (White)	PQRCHCAQW (White)	PQWRHQFDB

INDOOR UNIT SPECIFICATION

LOW STATIC - SHORT DEPTH

ARNU07GL4G4 / ARNU09GL4G4 / ARNU12GL5G4
ARNU15GL5G4 / ARNU18GL5G4 / ARNU24GL5G4

INDOOR UNIT



Model	Independent Unit		ARNU07GL4G4	ARNU09GL4G4	ARNU12GL5G4	ARNU15GL5G4	ARNU18GL5G4	ARNU24GL5G4	
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Input	Cooling / Heating		W	40	40	85	85	85	115
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Airflow Rate	Cooling / Heating	H / M / L	m³/min	7.5 / 6.5 / 5.5	9.0 / 7.0 / 5.5	10.0 / 8.5 / 7.0	12.5 / 10.0 / 8.5	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0
			L/s	125 / 108 / 92	150 / 117 / 92	167 / 142 / 117	208 / 167 / 142	250 / 208 / 167	333 / 267 / 200
External Static Pressure	Min - Max		Pa	0 - 50	0 - 50	0 - 50	0 - 50	0 - 50	0 - 50
Sound Pressure	H / M / L		dB(A)	27 / 26 / 23	30 / 26 / 23	31 / 29 / 26	34 / 31 / 29	36 / 34 / 31	39 / 35 / 32
Sound Power	H / M / L		dB(A)	-	-	-	-	-	-
Dimensions	Body	W x H x D	mm	700 x 190 x 460	700 x 190 x 460	900 x 190 x 460	900 x 190 x 460	900 x 190 x 460	1,100 x 190 x 460
Net Weight			kg	14.6	14.6	20.0	20.0	20.0	22.2
Piping Connection	Liquid		mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas		mm	12.7	12.7	12.7	12.7	12.7	15.88
	Drain	I.D	mm	25.0	25.0	25.0	25.0	25.0	25.0
Drain Pump				In-built	In-built	In-built	In-built	In-built	In-built

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

4. The Sound Pressure test condition is based on 50 Pa for middle static duct.

Accessories

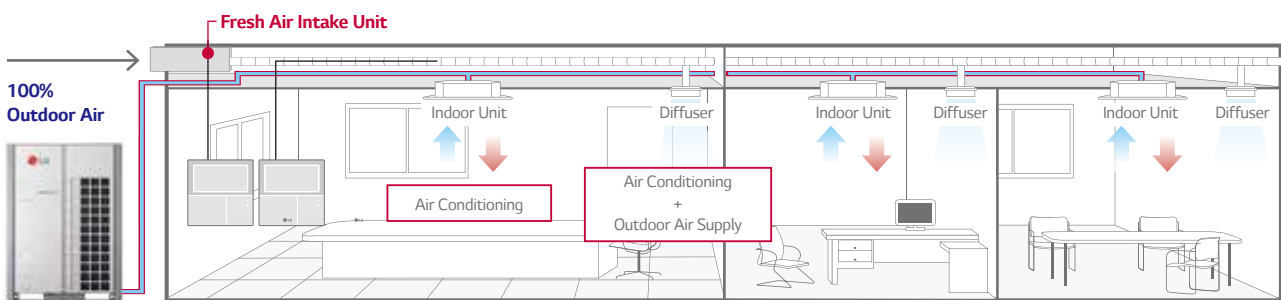
Model	ARNU07GL4G4	ARNU09GL4G4	ARNU12GL5G4	ARNU15GL5G4	ARNU18GL5G4	ARNU24GL5G4
Dry Contact	Simple (1 Contact Point with Case)			PDRYCB000		
	2 Contact Point			PDRYCB400		
	For Thermostat (On-Off / Mode / Fan Speed)			PDRYCB300		
	Modbus Communication			PDRYCB500		
EEV Kit for MULTI V Indoor				PRGK024A0		
IR Receiver				PWLRVN000		

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
					
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVLOQW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB

FRESH AIR INTAKE UNIT

Fresh Outdoor Air Supply

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

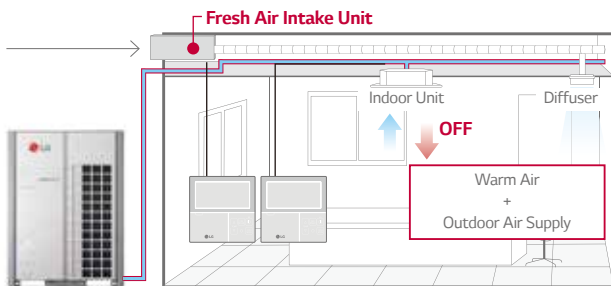


MULTI V 5 Outdoor Unit

Economic Operation

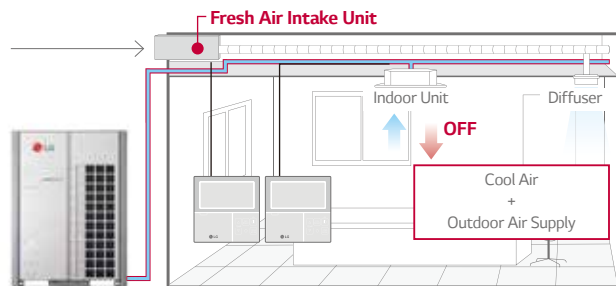
Blowing the natural outdoor air inside when the seasons change can reduce operating costs.

Spring Season



MULTI V 5 Outdoor Unit

Autumn Season

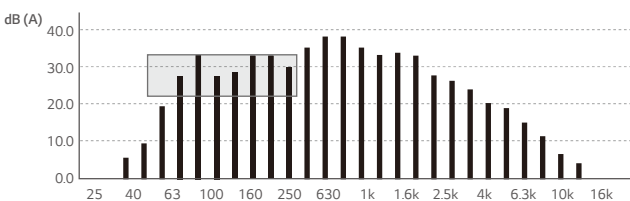


MULTI V 5 Outdoor Unit

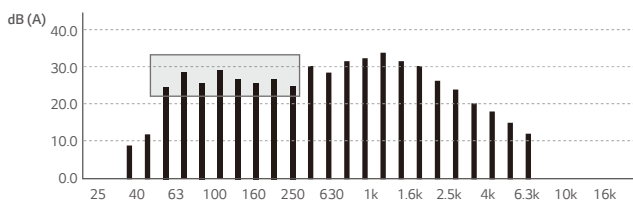
BLDC Fan Motor

Can reduce noise at low frequencies.

AC Tap Motor



BLDC Motor



INDOOR UNIT KEY SPECIFICATION

FRESH AIR INTAKE UNIT

ARNU76GB8Z4 / ARNU96GB8Z4

INDOOR UNIT



Model	Independent Unit			ARNU76GB8Z4	ARNU96GB8Z4
Capacity	Cooling		kW	22.4	28.0
	Heating		kW	21.4	26.7
Power Input	Cooling / Heating		W	253	360
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Airflow Rate	Cooling / Heating	H / M / L	m ³ /min	23.7 / 13.2 / 13.2	35.7 / 23.7 / 23.7
			L/s	395 / 220 / 220	595 / 395 / 395
Sound Pressure		H / M / L	dBA	45 / 43 / 43	47 / 45 / 45
Sound Power		H / M / L	dBA	70 / 67 / 67	72 / 68 / 68
Dimensions	Body	W x H x D	mm	1,562 x 460 x 688	1,562 x 460 x 688
Net Weight			kg	73.0	73.0
Piping Connection	Liquid		mm	9.52	9.52
	Gas		mm	19.05	22.2
	Drain	I.D	mm	25.0	25.0

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

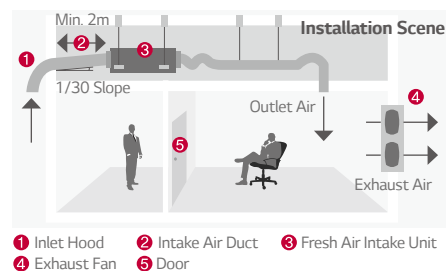
2. Capacities are net capacities

3. Noise Level is under standard mode [For actual High Mode (Factory set) condition,

Noise Level may exceed the standard level by 1.5db (A)]

4. Due to our policy of innovation some specifications may be changed without prior notification.

5. I.D : ' Internal Diameter '



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

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

Model	ARNU48GBRZ4	ARNU76GB8Z4	ARNU96GB8Z4
Dry Contact	Simple (1 Contact Point with Case)		PDRYCB000
	2 Contact Point		PDRYCB400
	For Thermostat (On-Off / Mode / Fan Speed)		PDRYCB300
	Modbus Communication		PDRYCB500
IR Receiver		PWLRVN000	

Wired Remote Controller

Premium	Standard III	Standard II	Simple	Simple for Hotel	Wireless Remote Controller
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQW (White)	PQRCHCAQW (White)	PQWRHQFDB

CEILING SUSPENDED UNIT

Differentiated Design

With its stunning V-shaped design and black vane, LG's new ceiling-suspended air conditioner exudes modern elegance appropriate for any space.



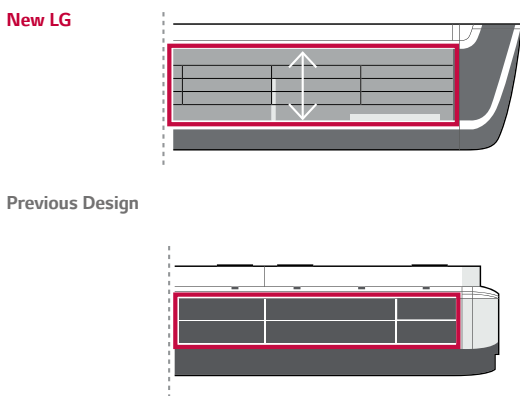
Powerful Cooling & Heating

The new LG Ceiling Suspended Unit is effective for large areas due to its powerful air speed in cooling and heating operation. The powerful air speed and volume means the air flow can reach up to 15m away from the grill.



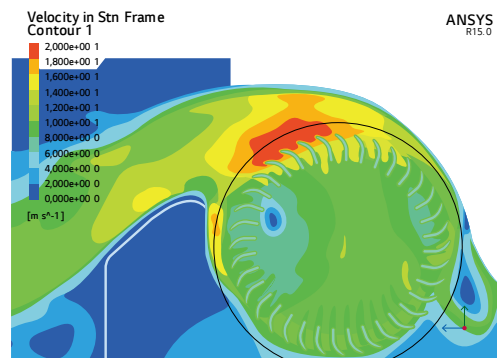
The enlarged outlet space, optimises the Air flow Path and improves Heat Exchanger performance.

Outlet Space



115% ENLARGED

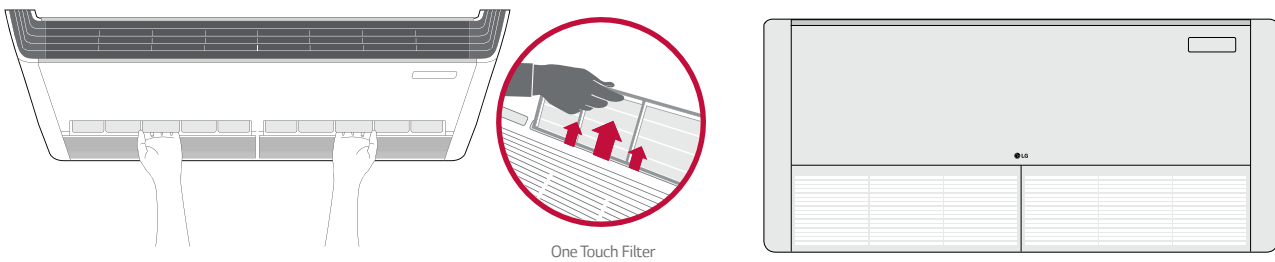
Optimised the Air flow Path



105% IMPROVED

One Touch & 2 Piece Filter

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



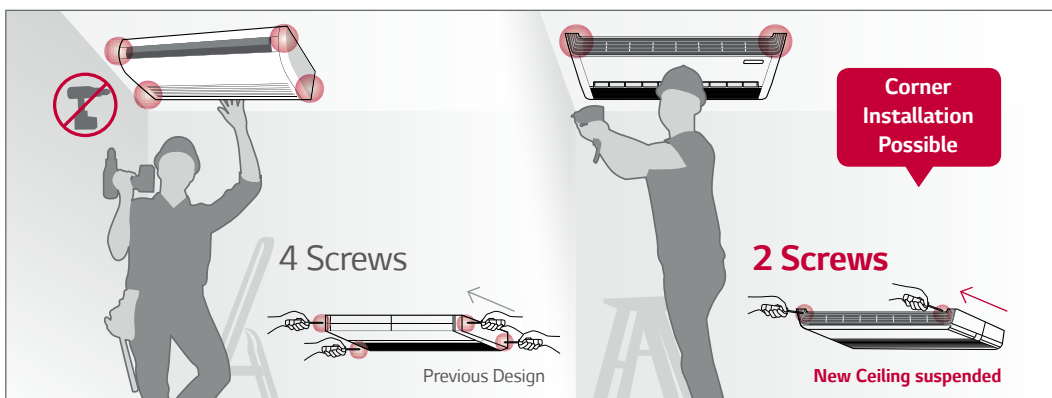
Two Thermistors Control

Users can purchase an optional control panel that includes a second thermistor, allowing for temperature checks from multiple locations.



Easy installation

Installation speed and ease is improved by reducing the total number of screws and placing them on the easily accessible front panel.



INDOOR UNIT SPECIFICATION

CEILING SUSPENDED UNIT

ARNU18GV1A4 / ARNU24GV1A4
ARNU36GV2A4 / ARNU48GV2A4



Model	Independent Unit			ARNU18GV1A4	ARNU24GV1A4	ARNU36GV2A4	ARNU48GV2A4
Capacity	Cooling		kW	5.6	7.1	10.6	14.1
	Heating		kW	6.3	8.0	11.9	15.9
Power Input	Cooling / Heating		W	23	25	84	91
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Airflow Rate	Cooling / Heating	H / M / L	m ³ /min	13.5 / 12.5 / 12	14 / 13 / 12	27 / 24 / 20	29 / 24 / 20
			L/s	225 / 208 / 200	233 / 217 / 200	450 / 400 / 333	483 / 400 / 333
Sound Pressure			H / M / L	36 / 34 / 33	37 / 35 / 33	48 / 46 / 44	49 / 47 / 44
Sound Power			H / M / L	61 / 59 / 56	62 / 59 / 56	68 / 66 / 64	68 / 67 / 66
Dimensions	Body	W x H x D	mm	1200 x 690 x 235	1200 x 690 x 235	1,600 x 690 x 235	1,600 x 690 x 235
Net Weight			kg	29.0	29.0	37.0	37.0
Piping Connection	Liquid		mm	6.35	9.52	9.52	9.52
	Gas		mm	12.7	15.88	15.88	15.88
	Drain	I.D	mm	16.0	16.0	16.0	16.0

* This product contains Fluorinated Greenhouse Gases. (R410A)

1) Nom. : Performance tested under AS/NZS 3823.1.4

2) Rated : Power input

Note : 1. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Due to our policy of innovation some specifications may be changed without notification

3. I.D : ' Internal Diameter '

Accessories

Model		ARNU18GV1A4	ARNU24GV1A4	ARNU36GV2A4	ARNU48GV2A4
Dry Contact	Simple (1 Contact Point with Case)			PDRYCB000	
	2 Contact Point			PDRYCB400	
	For Thermostat (On-Off / Mode / Fan Speed)			PDRYCB300	
	Modbus Communication			PDRYCB500	

Wired Remote Controller					Wireless Remote Controller
Premium	Standard III	Standard II	Simple	Simple for Hotel	
					
PREMTA000	PREMTB100 (White)	PREMTB001 (White)	PQRCVCLQW (White)	PQRCHCA0QW (White)	PQWRHQ0FDB

COMPATIBILITY

No.	New Function Name (4th generation indoor)	Function Description	Required Controller		Remarks
			Wired Remote Controller	Centralized Controller	
1	Energy Monitoring (Accumulated Electric Energy Check)	Monitoring accumulated power consumption by Wired Remote Controller	•	•	* Necessary to install the PDI (Power Distribution Indicator) and central controller * Combined with Multi V Water S outdoor unit, this function is not available.
		Monitoring accumulated power consumption by Central Control Device / PDI	-	•	* Necessary to install the PDI (Power Distribution Indicator) * To make a report, central controller must be installed
2	2 Set Point	1) 2 set point control by Indoor and Central controller 2) Synchronisation function with remote control (Synchronisation Setting and Monitoring)	•	•	* Wired remote controller and central controller must be installed * Combined with Multi V Water S outdoor unit, this function is not available.
3	Occupied / Unoccupied Scheduling Function (Sub Func. Enable)	1) Synchronisation according to occupied/unoccupied by Indoor and Central control 2) Synchronisation icon with remote controller (Synchronisation Monitoring)	•	OR •	* Centralised control is able to when you combine only 4th generation indoor units (Use together with 2nd generation and 4th generation indoors, only wired remote controller is able to set this function as existing way) * Wired remote controller or central controller must be installed (Function can be activated using just one control device.) * Combined with Multi V Water S outdoor unit, this function is not available.
4	Group Control	Group Control can use Additional function	•	-	* Check more details in PDB (Product Data Book) (Additional functions added using together same type of indoor units)
5	Test Run (Heating)	Test run mode can be operated in cooling mode and heating mode for easy service	•	-	
6	Model Information Monitoring	Product Type / Indoor Type / Indoor capacity information can be monitored by remote controller	•	-	
7	Indoor unit address checking	Wired remote controller can check indoor unit address information	•	-	
8	Refrigerant Leakage Detection	Function error sign display when refrigerant leakage occurred	•	-	* Central controller has been installed, CH230 error code can be recognized (Old/New Same) * Without Central Controller, it is able to recognise with wired remote controller (CH230) * Combined with Multi V Water S outdoor unit, this function is not available. * Accessory PRLDNVSO must be separately ordered
9	Thermo On / Off range Setting (Cooling)	User can set cooling thermo on/off range with wired remote controller for prevention overcooling	•	-	* Thermo On / Off temperature setting (3 step)
10	Thermo On / Off range Setting (Heating)	User can set heating thermo on/off range with wired remote controller for prevention overheating. (4 Steps)	•	-	* Thermo On / Off temperature setting (4 step)
11	Static Pressure 11 Step Control (Only for Ceiling Concealed Duct Type)	Depends on the installation environment, 4th generation Ceiling Concealed Duct can control the static pressure by 11 steps for providing comfortable environment	•	-	* Only applied in Ceiling Concealed Duct
12	1 point External Input (On / Off control)	Indoor unit can control external devices without purchasing Dry contact as an accessory (All 4th generation indoors)	•	-	* Simple On/Off control by Dry Contact at Indoor [Example of Contact port by product type] * 2 Way Cassette : CN-CC Port (Wired remote controller installation function mode 41 is required) * 1 Way / 4 Way Cassette / Ceiling Concealed Duct / Wall Mounted Unit Console / FAU / Floor Standing (with case / without case) : CN-EXT Port
13	Filter Sign (Remaining Time)	The alarm activates when the filter needs to be cleaned, and the time remaining for cleaning is displayed on the screen.	•	-	
14	Auto restart function Disable / Enable	After the power failure compensation, stand by at OFF mode Restore the operation for the status before the power off	•	-	
15	Indoor Humidity display	Monitoring indoor humidity Wired Remote Controller	•	-	* Available only with Multi V 5
16	Comfort Cooling setting	set the outdoor unit Comfort cooling operation value	•	-	* Available only with Multi V 5
17	Smart Load Control setting	Change the outdoor unit's Smart Load Control stage value.	•	-	* Available only with Multi V 5
18	ODU Refrigerant Noise Reduction setting	set the outdoor unit's refrigerant noise reduction function	•	-	* Available only with Multi V 5
19	Low noise mode time setting	set the start and end time of the outdoor unit's low noise mode operation	•	-	* Available only with Multi V 5

Note : 1) No. 1, 2, 3, 8 : Functions are available to use together with 4th generation Indoor units only. If used together 2nd generation indoor unit and 4th generation indoor unit functions will not be activate. Combined with MULTI V Water S outdoor unit this function is not available

2) No. 4, 5, 6, 7, 9, 10, 11, 12, 13, 14 : If used together 2nd generation indoor unit and 4th generation indoor unit these functions will be activate only in 4th generation indoor

3) 2nd generation indoor unit : Ceiling & Floor Convertible Unit, Ceiling Suspended Unit, HYDRO KIT (Low Temp. / High Temp.), ERV DX (with Humidifier, without Humidifier), AHU Communication Kit

COMPATIBILITY

Wired Remote Controller					Centralised Controller				
Premium (PREMTA000 PREMTA000A PREMTA000B)	Standard III (PREMTB100) (PREMTBB10)	Standard II (PREMTBB01) (PREMTB001)	Simple		AC EZ (PQCSZ250S0)	AC EZ Touch (PACEZA000)	AC Smart IV (PACS4B000)	ACP IV (PACP4B000)	AC Manager IV (PACM4B000)
			Simple for Hotel (PQRCHCA0Q / QW)	Simple (PQRCVCL0Q / QW)					
•	•	•	X	X	X	•	•	•	•
					X	•	•	•	•
•	•	X	X	X	X	•	•	•	•
•	•	X	X	X	X	•	•	•	•
•	•	•	X	X					
•	•	•	X	X					
•	•	•	X	X					
•	•	•	X	X					
•	•	•	X	X					
•	•	•	X	X					
•	•	•	X	X					
• (4 step)	• (4 step)	• (3 step)	• (3 step)	• (3 step)					
•	•	•	•	•					
X	•	•	X	X					
•	•	•	X	X					
•	•	•	X	X					
X	•	X	X	X					
X	•	X	X	X					
X	•	X	X	X					
X	•	X	X	X					
X	•	X	X	X					

X: Not included this function in the Controller

HOT WATER SOLUTION



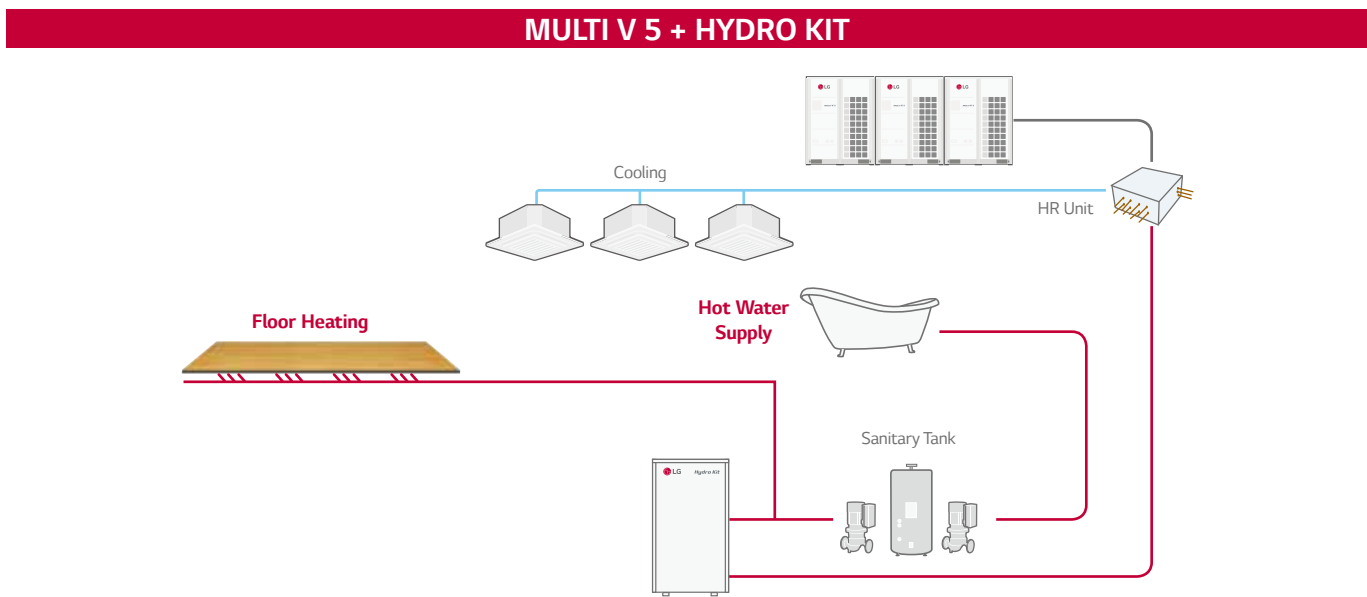
HYDRO KIT

HOT WATER SOLUTION KEY FEATURES

HYDRO KIT

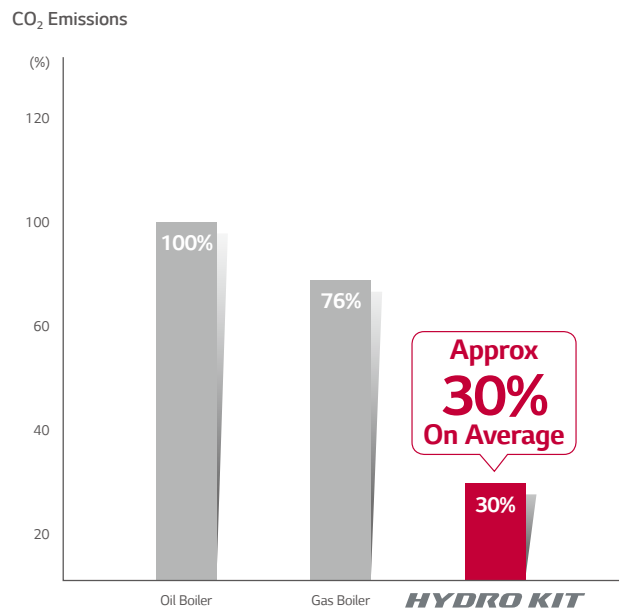
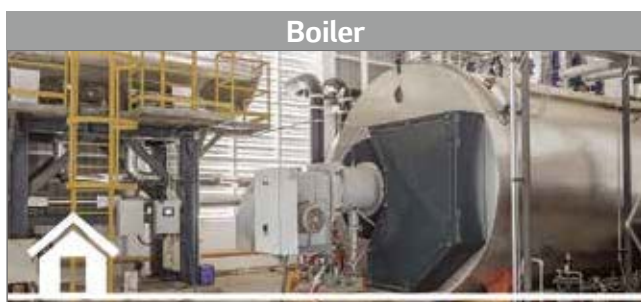
Easy Installation

Easy to install as it uses a compact and modular structure.



Less Environmental Impact Solution

Higher efficiency and reduction of CO₂ emissions as compared to oil or gas boilers..



Saving Cost through High Efficiency

Possible to install with equivalent levels of capital cost as a boiler system and minimise energy bills thanks to lower operation costs.

1st Proposal MULTI V 5 HYDRO KIT
(Air Conditioning + Hot Water Supply + Floor Heating)

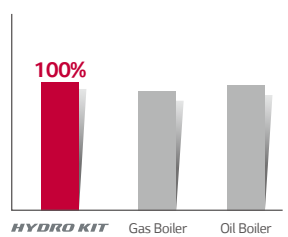
2nd Proposal MULTI V 5 Air-Conditioning + Gas Boiler
(Hot Water Supply + Floor Heating)

3rd Proposal MULTI V 5 Air-Conditioning + Oil Boiler
(Hot Water Supply + Floor Heating)

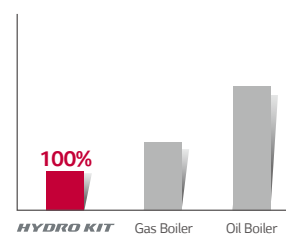
Analysis Conditions

- Building Type : Dormitory, Flats
- Cooling / Floor Heating / Sanitary Hot Water for 10 years
- Cooling : MULTI V IV Indoor Unit
- Floor Heating : Medium Temp. HYDRO KIT (1 ea)
- Sanitary Hot Water : High Temp. HYDRO KIT (2ea),
Sanitary Hot Water Tanks
- Electricity Cost : Average Cost in EU
- Gas Cost : Average Cost in EU
- Oil Cost : Average Cost in EU

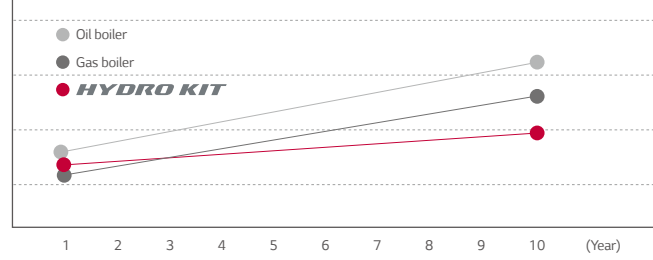
Initial Costs



Annual Operating Cost

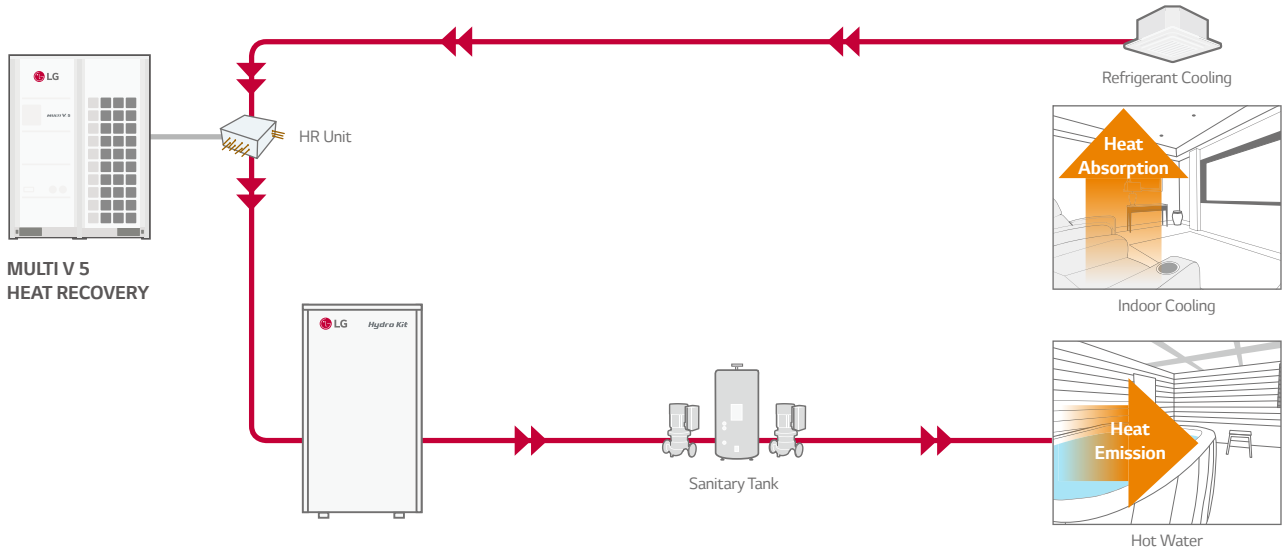


LCC



Energy Saving through MULTI V 5 Heat Recovery

Energy costs can be minimized by reusing the wasted heat from indoor units.



HYDRO KIT

High Temperature Concept of HYDRO KIT

Provides high temperature up to 80°C with dual inverter cascade cycle, applicable for buildings that require large amount of hot water supply.

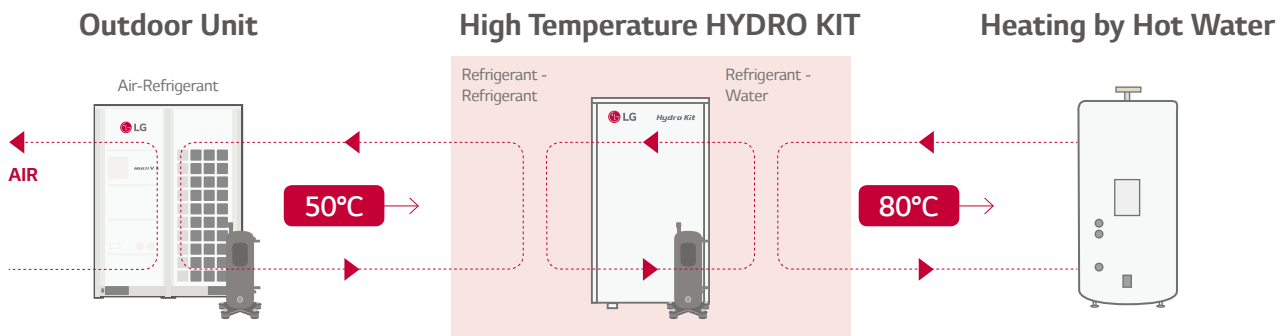
Dual Inverter Cascade Cycle Technology

- Max 55% improved capacity compared to mid-temp. of HYDRO KIT
 - Max 20% reduced heating operating cost compared to mid-temp. of HYDRO KIT
 - Cascade R410A to R134A BLDC compressor technology

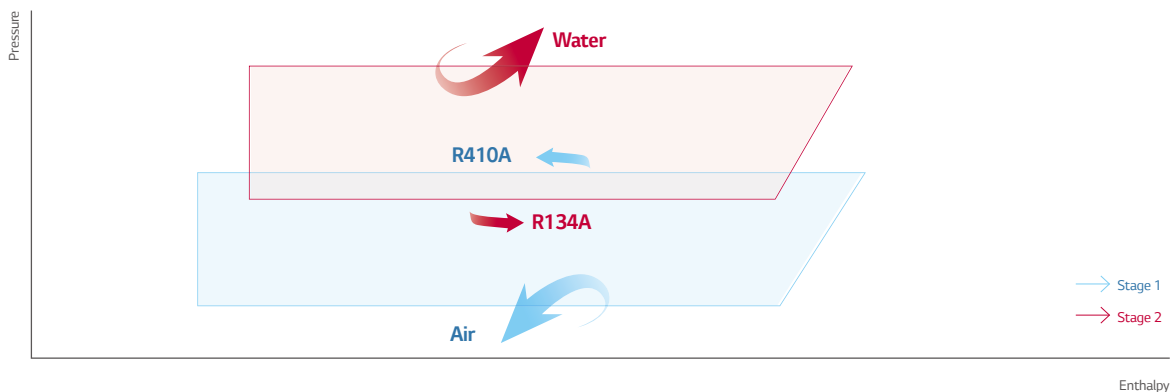
High Volume of Hot Water

- Compared to lower temperature, storing high temperature water in a sanitary tank increases the quantity of mixed water available for the user.

High Temperature of HYDRO KIT Cycle Diagram



High Temperature Technology



Various Applications

Applicable to a variety of facilities including hospitals, residences and resorts that need floor heating and domestic hot water supply.

Office



University / School



Hospital / Clinic



Shopping Mall / Restaurant



Hotel / Resort

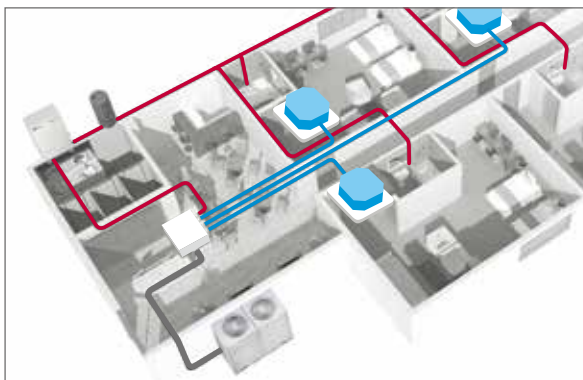


Factory Facilities



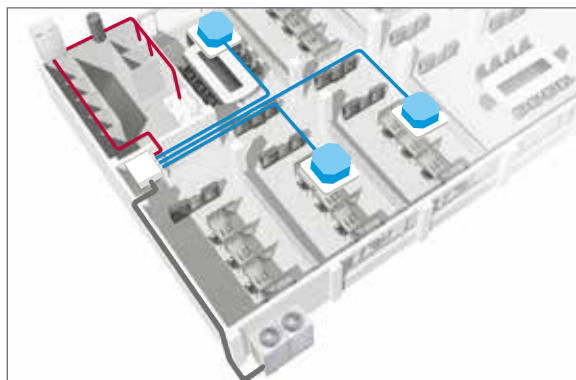
Hotel Application

It is possible to operate cooling and heating constantly at the same time during the summer, to provide hot water for bathrooms by using waste heat energy of indoor cooling from an indoor unit.



Office Application

Hot water can be supplied at all times in the office by cooling the HR unit to warm up the sanitary tank, using waste energy.



HOT WATER SOLUTION KEY FEATURES

HYDRO KIT



ARNH04GK3A4/ ARNH08GK3A4

Type				High Temp.	High Temp.
Model				ARNH04GK3A4	ARNH08GK3A4
Power Supply			Ø / V / Hz	1 / 220-240 / 50 1 / 220 / 60	1 / 220-240 / 50 1 / 220 / 60
Capacity (Rated)	Cooling		kW	-	-
	Heating		kW	13.8	25.2
Power Input	Cooling	Nomal	kW	-	-
	Heating	Nomal	kW	2.3	5.0
Water Outlet Temperature	Cooling	Min	°C	-	-
	Heating	Max	°C	80°C	80°C
Casing				Painted Steel Plate	Painted Steel Plate
Dimensions	Body	W x H x D	mm	520 x 1,080 x 330	520 x 1,080 x 330
			inch	20-15 / 32 x 42-17 / 32 x 13	20-15 / 32 x 42-17 / 32 x 13
Net Weight			kg (lbs)	88.0 (194.0)	94.0 (207.2)
Heat Exchanger	Refrigerant to Water	Type		Brazed Plate HEX	Brazed Plate HEX
		Rated Water Flow	L/min	19.8	36.0
		Head Loss	kPa	5.0	20.0
	Refrigerant to Refrigerant	Type		Brazed Plate HEX	Brazed Plate HEX
Compressor			Type	Twin Rotary Inverter	Twin Rotary Inverter
Piping Connections	Water Side	Inlet	inch	Male PT 1	Male PT 1
		Outlet	inch	Male PT 1	Male PT 1
	Refrigerant Side	Liquid Side	mm (inch)	9.52 (3/8)	9.52 (3/8)
		Gas Side	mm (inch)	15.88 (5/8)	19.05 (3/4)
Drain Piping Connection			mm (inch)	Male PT 1	Male PT 1
Sound Pressure Level	Cooling		dB (A)	-	-
	Heating		dB (A)	43	43
Refrigerant	Refrigerant to Refrigerant	Refrigerant Type		R410A	R410A
		Control		EEV	EEV
	Refrigerant to Water	Refrigerant Type		R134A	R134A
		Precharged Amount	kg (lbs)	2.3(5.1)	3.0(6.6)
		Control		EEV	EEV
Operation Range	Connected to Heat Pump	Cooling	°C (DB)	-	-
		Heating	°C (DB)	-20°C ~ 35°C	-20°C ~ 35°C
	Connected to Heat Recovery	Cooling	°C (DB)	-	-
		Heating	°C (DB)	-20°C ~ 43°C	-20°C ~ 43°C
Combination Ratio	Only Hydrokit	Min - Max	%	50 ~ 100	50 ~ 100
	Hydrokit + Standard IDUs	Min - Max	%	50 ~ 130	50 ~ 130

* This product contains Fluorinated Greenhouse Gases. (R410A, R134A)

Note : 1. Capacities are based on the following conditions :

- Heating : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB, Water Inlet 55°C (131°F) / Outlet 65°C (149°F)

2. Piping Length : Interconnected Pipe Length = 7.5m

3. Difference Limit of Elevation (Outdoor - Indoor Unit) is Zero.

4. MULTI V S 4HP (ARUN040GSS0, ARUN040LSS0) cannot be connected to Hydro Kit.

5. MULTI V Water S cannot be connected to Hydro Kit.

VENTILATION SOLUTION

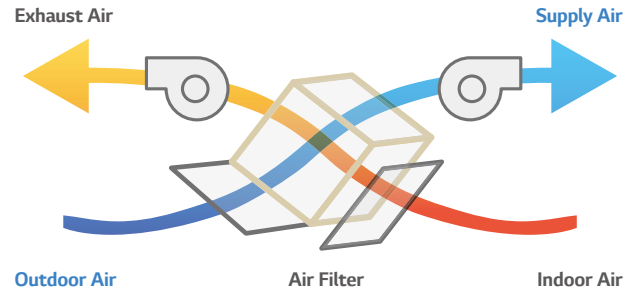


ERV

ERV

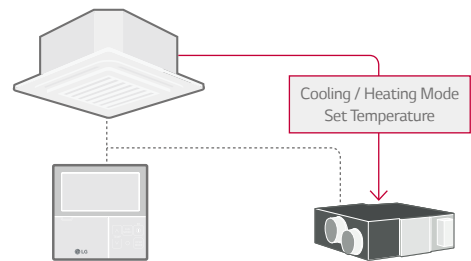
High Efficiency Heat Exchanger

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



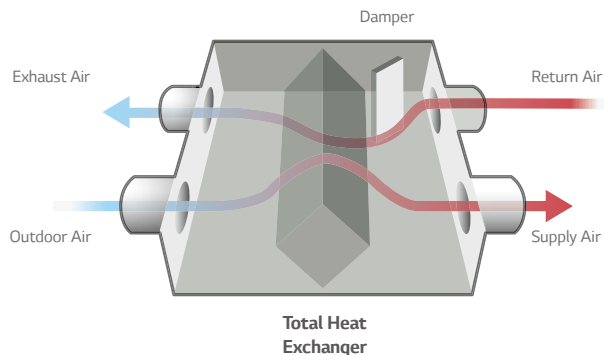
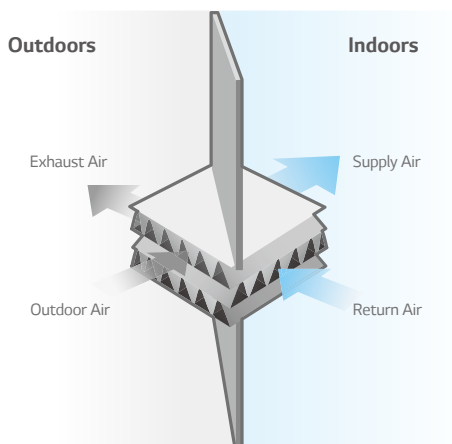
Interlocking with Air Conditioning System

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



Compulsory Exhausting System

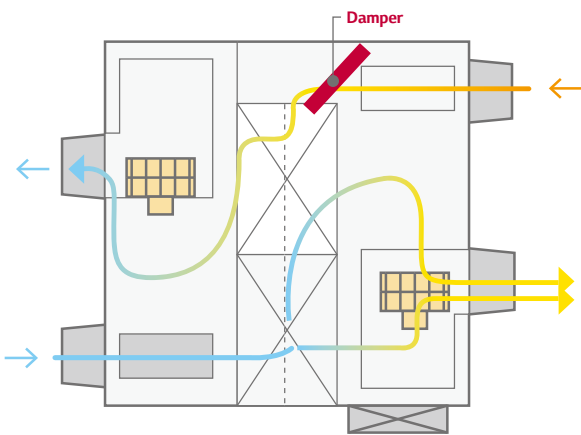
The exhausting system using high static and sirocco fan removes dust from the indoor air. Supply and exhaust air flows are completely separated in the total heat exchanger, LG ERV filters the outdoor air to supply indoor fresh air.



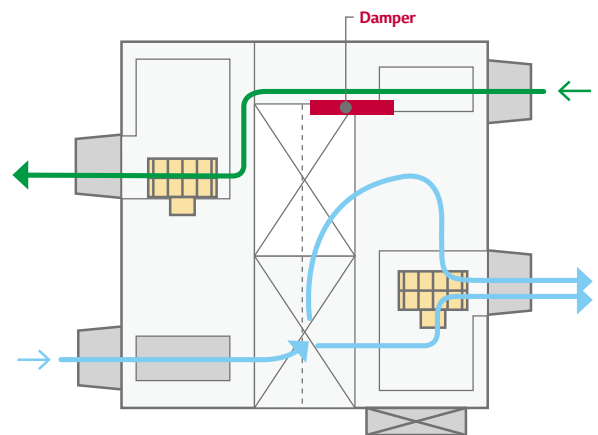
Bypass Ventilation

LG ERV automatically switches the ventilation mode (Enthalpy Heat Exchange Mode / Bypass Mode) according to the indoor / outdoor temperature.

Enthalpy Heat Exchange Mode (Summer / Winter)



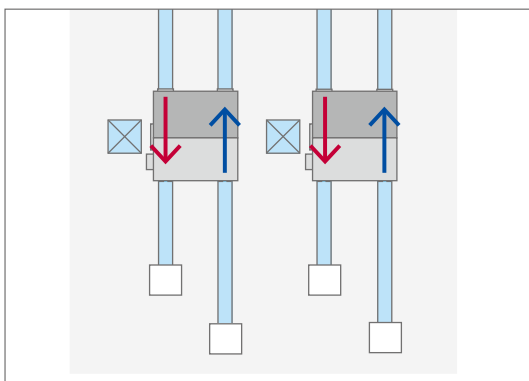
Bypass Mode (Seasonal Change)



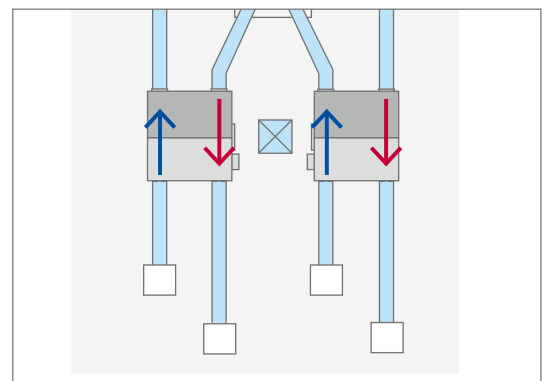
Flexibility of Installation

It's possible to install upside down when you need only one inspection hole.

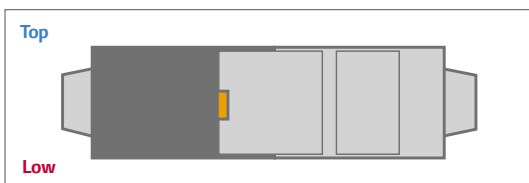
Normal installation of 2 units



Reverse installation of 1 unit (Left unit)



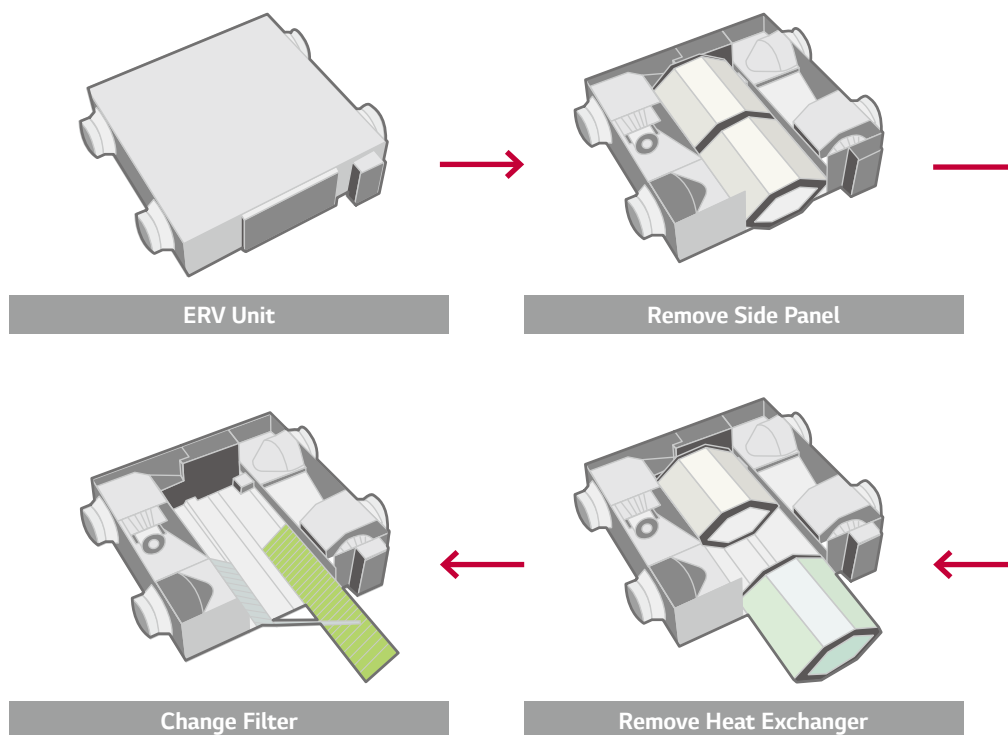
Inspection chamber



ERV

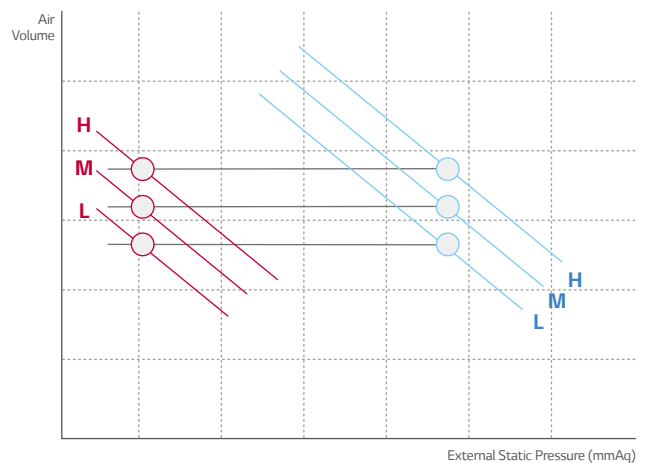
Easy Cleaning and Filter Change

It is easy and convenient to change and clean the filter.



External Static Pressure Control

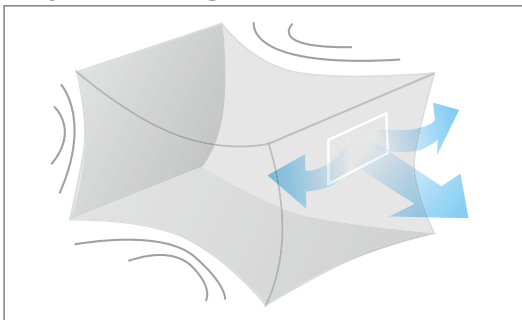
The high static pressure fan can control the air volume depending on the length of the duct. It is also easy to control the pressure level by using the remote controller for a more flexible duct installation and easier testing.



Fast Ventilation Mode

Fast ventilation mode reduces the spread of dust under negative indoor pressure.

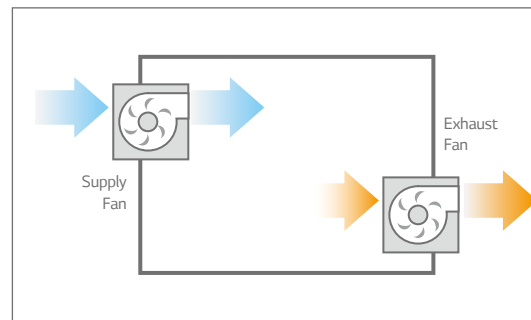
Only Exhausting



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

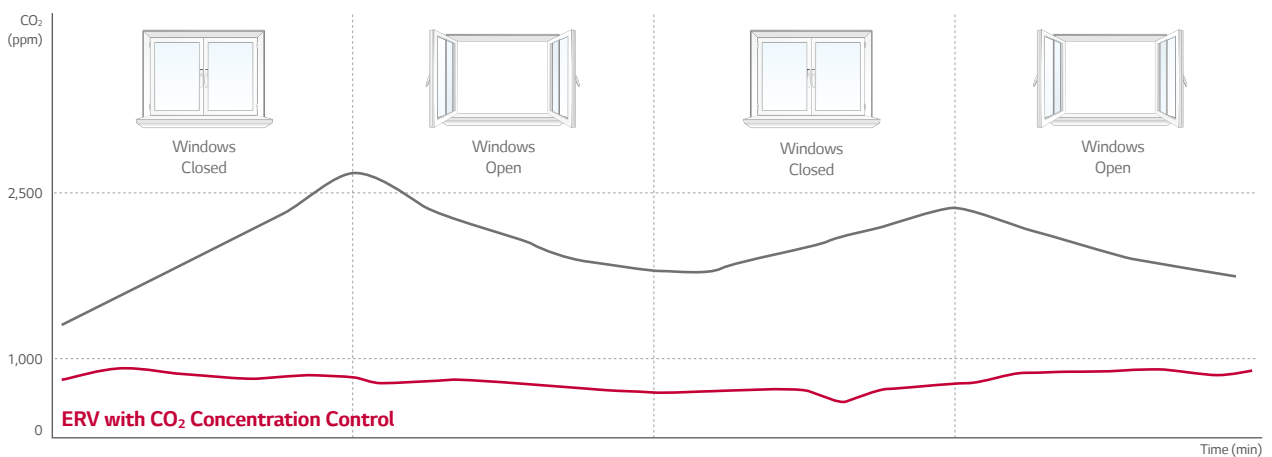
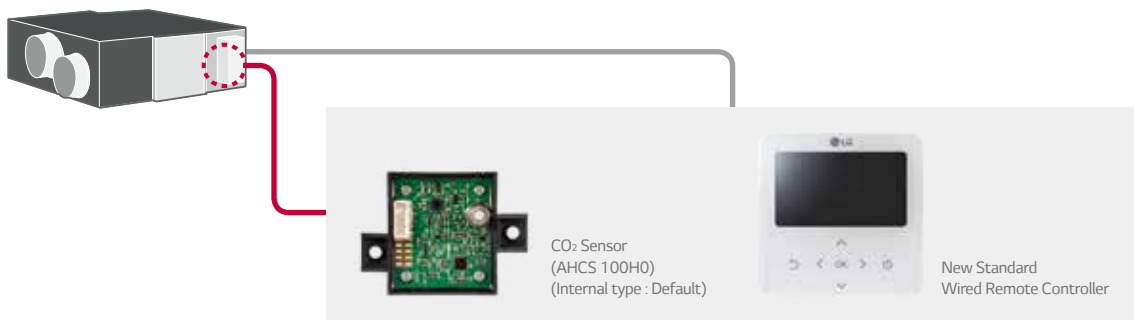


Fast Ventilation Mode



CO₂ Concentration Control*

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



*Optional accessory.

ERV

New Easy Controller

New wired remote controller is easy for usage.



Easy!

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



Convenient!

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

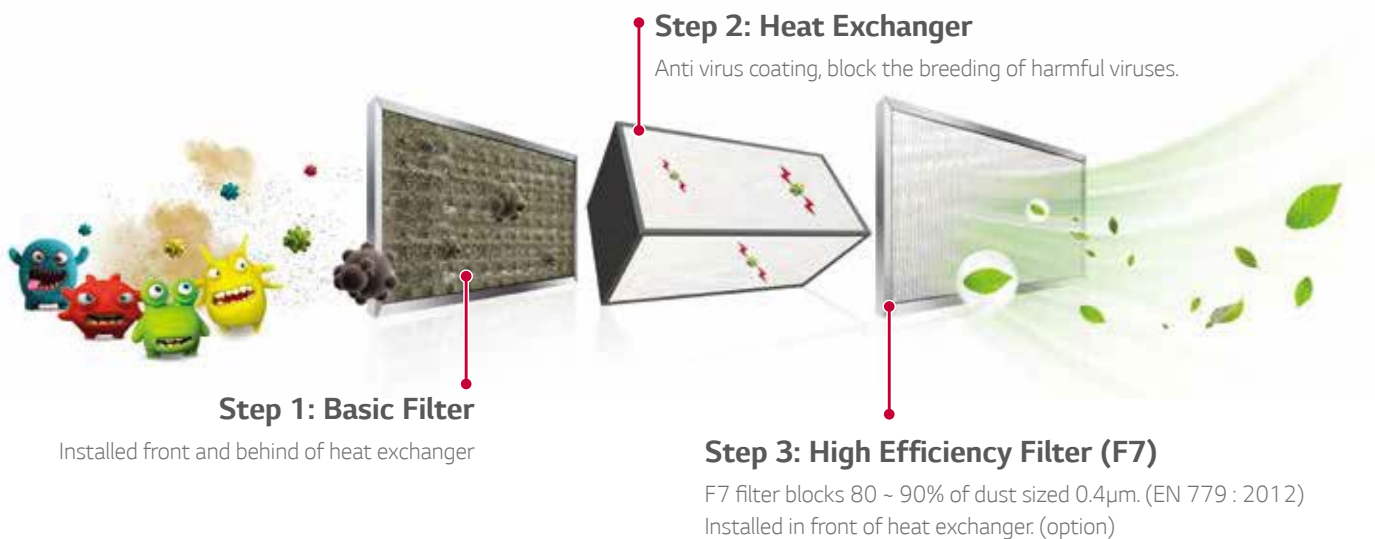


Visible!

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

Air Purifying System (3 Steps)*

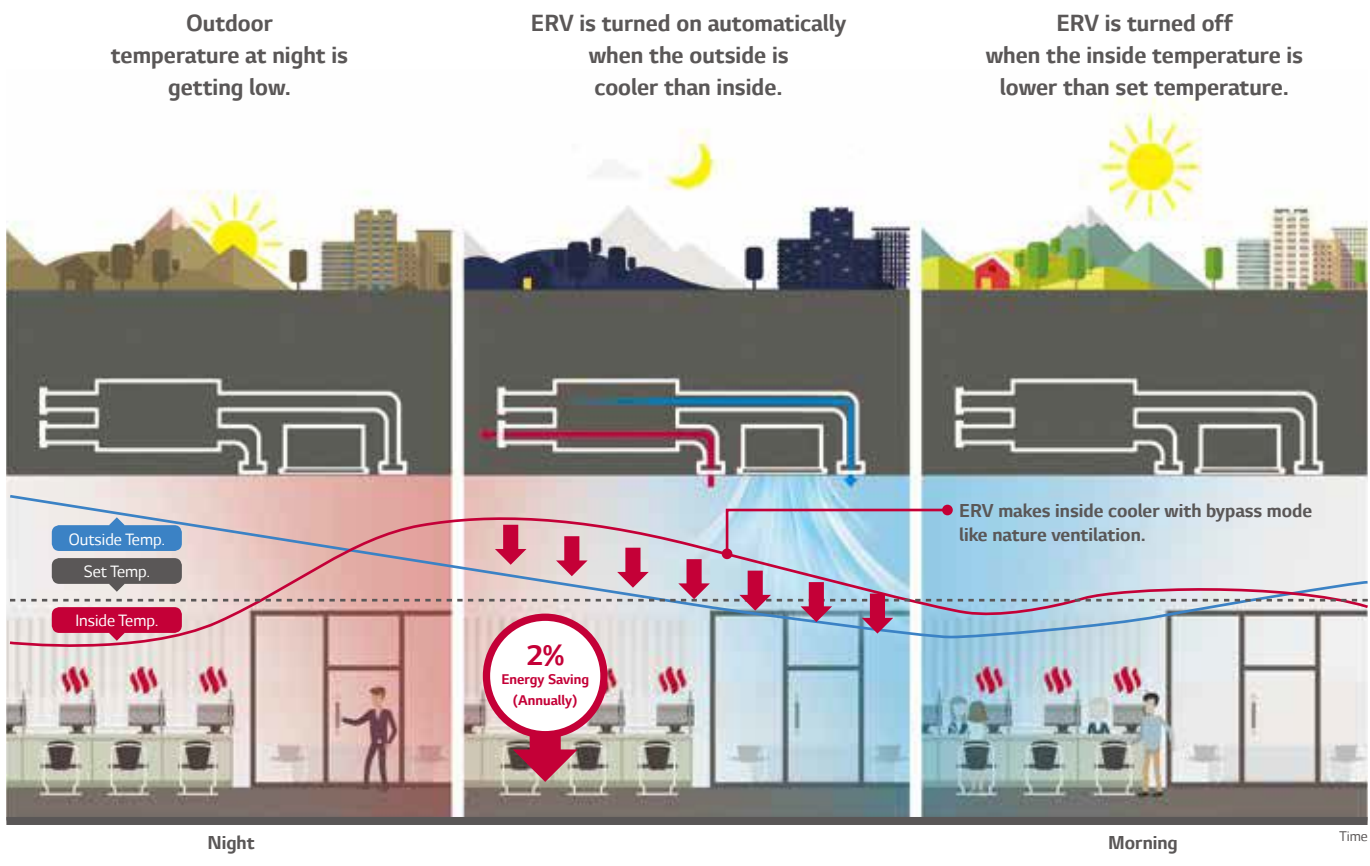
LG ERV can help effectively remove the various harmful substances, such as micro dust and viruses. Possible selection of the high efficiency filter(F7) for micro dust removed.



*Optional accessory.

Night Time Cooling

Discharge the indoor heat in the summer night and supply cool outdoor air to indoors. so it can save energy.



* This function is operated with 'Night Time Free Cooling' on remote controller. (with MULTI V only)

** Energy saving ratio Can vary with condition.

*** Available only with Standard III

• Test Condition
 - Office (49,000 ft³) / Occupancy : 30 / Area : London, UK
 - ERV (1 000 CMH) + MULTI V 4 (33.6kW) Unit Combination
 - Other conditions are subject to BREEAM.
 (Building Research Establishment's Environmental Assessment Method)

VENTILATION SOLUTION SPECIFICATION

ERV

LZ-H050GBA4 / LZ-H100GBA4 / LZ-H150GBA4 / LZ-H200GBA4



Model			LZ-H050GBA4	LZ-H100GBA4	LZ-H150GBA4	LZ-H200GBA4	
Nominal Capacity		CMH (CFM)	500 (294)				
Power Supply		Ø, V, Hz	-1 1, 220 - 240, 50 - 60				
ERV mode	Step	-	SUPER-HIGH / HIGH / LOW				
	Current	SH / H / L	Amps	1.65 / 1.56 / 0.80	2.92 / 2.38 / 1.40	4.26 / 3.50 / 2.00	5.92 / 4.76 / 2.80
	Power Input	SH / H / L	W	247 / 230 / 95	463 / 370 / 208	660 / 530 / 290	926 / 740 / 420
	Air Flow	SH / H / L	CMH (CFM)	500 / 500 / 320 (294 / 294 / 188)	1,000 / 1,000 / 800 (589 / 589 / 471)	1,500 / 1,500 / 1,200 (883 / 883 / 706)	2,000 / 2,000 / 1,600 (1,177 / 1,177 / 942)
	External Static Pressure	SH / H / L	Pa (inWTR)	150 / 100 / 50 (0.60 / 0.40 / 0.20)	160 / 100 / 50 (0.64 / 0.40 / 0.20)	160 / 100 / 50 (0.64 / 0.40 / 0.20)	160 / 100 / 50 (0.64 / 0.40 / 0.20)
	Temperature Exchange Efficiency	SH / H / L	%	79 / 79 / 82	80 / 80 / 81	82 / 82 / 83	80 / 80 / 81
	Energy Label	A+ to G Scale		B	A		
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	75 / 75 / 78	71 / 71 / 73	73 / 73 / 76	71 / 71 / 73
		Cooling (SH / H / L)	%	68 / 68 / 75	64 / 64 / 67	66 / 66 / 70	64 / 64 / 67
Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	37 / 36 / 28	40 / 37 / 33	43 / 39 / 35	43 / 40 / 36	
Bypass mode	Step	-	SUPER-HIGH / HIGH / LOW				
	Current	SH / H / L	Amps	1.65 / 1.56 / 0.80	2.92 / 2.38 / 1.40	4.26 / 3.50 / 2.00	5.92 / 4.76 / 2.80
	Power Input	SH / H / L	W	247 / 230 / 95	463 / 370 / 208	660 / 530 / 290	926 / 740 / 420
	Air Flow	SH / H / L	CMH (CFM)	500 / 500 / 320 (294 / 294 / 124)	1,000 / 1,000 / 800 (589 / 589 / 471)	1,500 / 1,500 / 1,200 (883 / 883 / 706)	2,000 / 2,000 / 1,600 (1,177 / 1,177 / 942)
	External Static Pressure	SH / H / L	Pa (inWTR)	150 / 100 / 50 (0.60 / 0.40 / 0.20)	160 / 100 / 50 (0.64 / 0.40 / 0.20)	160 / 100 / 50 (0.64 / 0.40 / 0.20)	160 / 100 / 50 (0.64 / 0.40 / 0.20)
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	37 / 36 / 28	41 / 38 / 34	44 / 40 / 36	44 / 41 / 37
Heat Exchanger	Type	-	Air to Air cross flow heat exchange				
Net Weight	kg		44	70		158	
Dimension	W x H x D	mm	1,014 x 273 x 988	1,101 x 405 x 1,230	1,353 x 815 x 1,230		
	Qty	EA	4		4 + 2		
Duct work*	Size (Ø)	mm	Ø200	Ø250	Ø250 + Ø350		
	Qty	EA	1		2		
Supply Air Fan	Type	-	Direct-Drive (Sirocco Fan)				
	Qty	EA	1		2		
Exhaust Air Fan	Type	-	Direct-Drive (Sirocco Fan)				
	Qty	EA	2		4		
Filters (Default)	Type	-	Cleanable fibrous fleeces				
	Size (W x H x D)	mm	855 x 6 x 230	1,148 x 6 x 245	1,148 x 6 x 245		
	Model	-	AHFT050H0	AHFT100H1			
Filters (Optional)	Qty	EA	2		4		
	Type	-	F7				
	Size (W x H x D)	mm	425 x 194 x 25	520 x 192 x 25	520 x 192 x 25		
Dry Contact	Simple (1 Contact point with case)		PDRYCB000				

Note : 1. ERV mode : Total Heat Recovery Ventilation mode

2. * : Refer to dimensional drawings.

3. Noise level : - The operating conditions are assumed to be standard

- Sound measured at 1.5m below the center the body.

- Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment is installed.

- The sound level at the air discharge port is about 8 dB(A) higher than the unit's operating sound.

4. Temperature and Enthalpy Exchange Efficiency at cooling Indoor Temperature : 26.5°C DB, 64.5% RH, Outdoor Temperature : 34.5°C DB, 75% RH

5. Temperature and Enthalpy Exchange Efficiency at heating Indoor Temperature : 20.5°C DB, 59.5% RH, Outdoor Temperature : 5°C DB, 65% RH

6. Temperature Exchange efficiency is tested at heating condition.

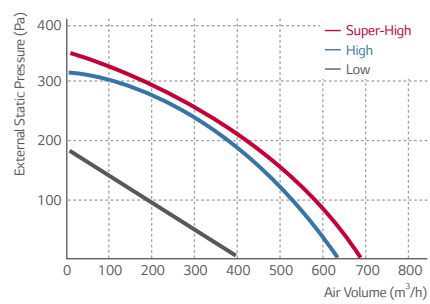
7. F7 Filter is 2 pieces in 1 filter package

Premium	Standard III	Standard II		CO ₂ Sensor
PREMTA000 PREMTA000A PREMTA000B	PREMTB100	PREMTBB01	PREMTB001	AHCS100H0 (Internal Type : Default)

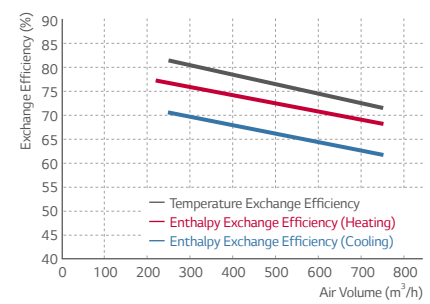
LZ-H050GBA5



Ventilation



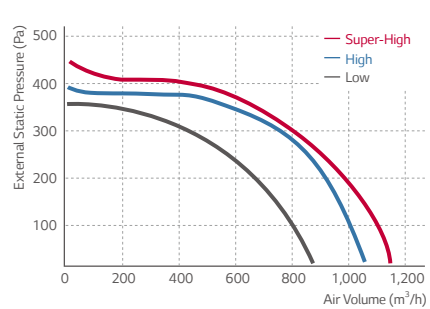
Efficiency



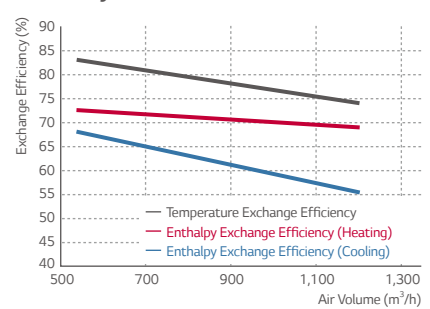
LZ-H100GBA5



Ventilation



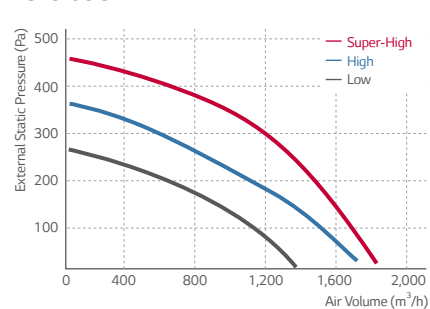
Efficiency



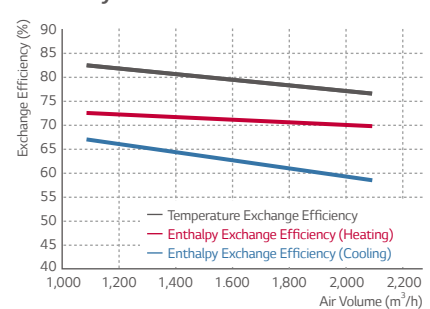
LZ-H150GBA5



Ventilation



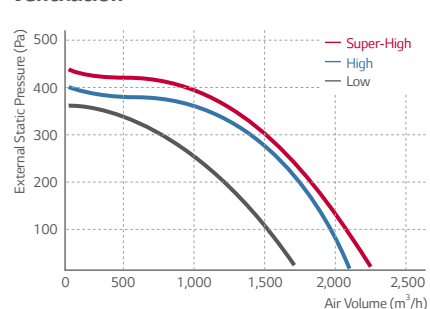
Efficiency



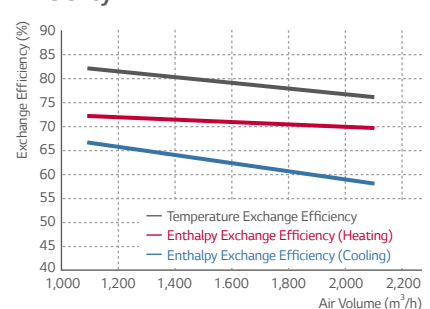
LZ-H200GBA5



Ventilation



Efficiency





Find out more

lg.com/au/commercial-air-conditioning