MULTI V™

MULTI V™

LG AIR SOLUTION

LG Electronics

http://www.lg.com
http://partner.lge.com

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INDEX

OUTDOOR UNITS

INDOOR UNITS

VENTILATION SOLUTIONS

HOT WATER SOLUTION

CONTROL SOLUTIONS

ACCESSORIES

MARKET TREND IN ASIA

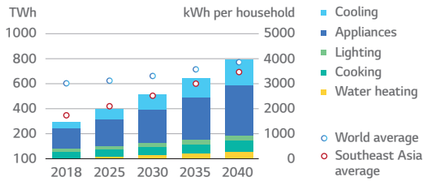
More energy efficient HVAC systems are required to significantly reduce energy consumption and to meet stricter energy regulations on buildings.

Necessity of Energy Saving

- Electricity prices are constantly rising
- Cooling is also estimated to account for almost 30% of its peak electricity demand by 2040.

Growing demand for energy-efficient solutions

Electricity demand for ASEAN residential end uses



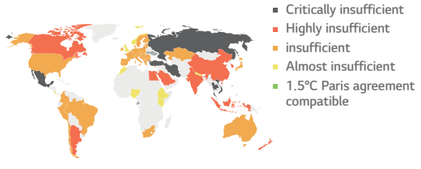
Source : IEA.org (Roadmap for Energy-Efficient Buildings and Construction in ASEAN)

Climate Neutrality

- To keep warming to 1.5 degrees, countries must cut carbon dioxide emissions by 45% compared to 2010 levels by 2030
- Global carbon dioxide emissions need to reach net-zero emissions by 2050.

The demand of environmentally friendly HVAC units is expected to rise for reducing carbon footprint

Asia's Race to Net-Zero by 2030



https://climateactiontracker.org/countries/

Advances in technology

- Smart HVAC technologies are becoming increasingly popular in building automation.
- HVAC technologies integrated with IoT are in high demand in the smart homes industry.

Growing demand for smart solutions in HVAC

MULTI V BRAND HISTORY

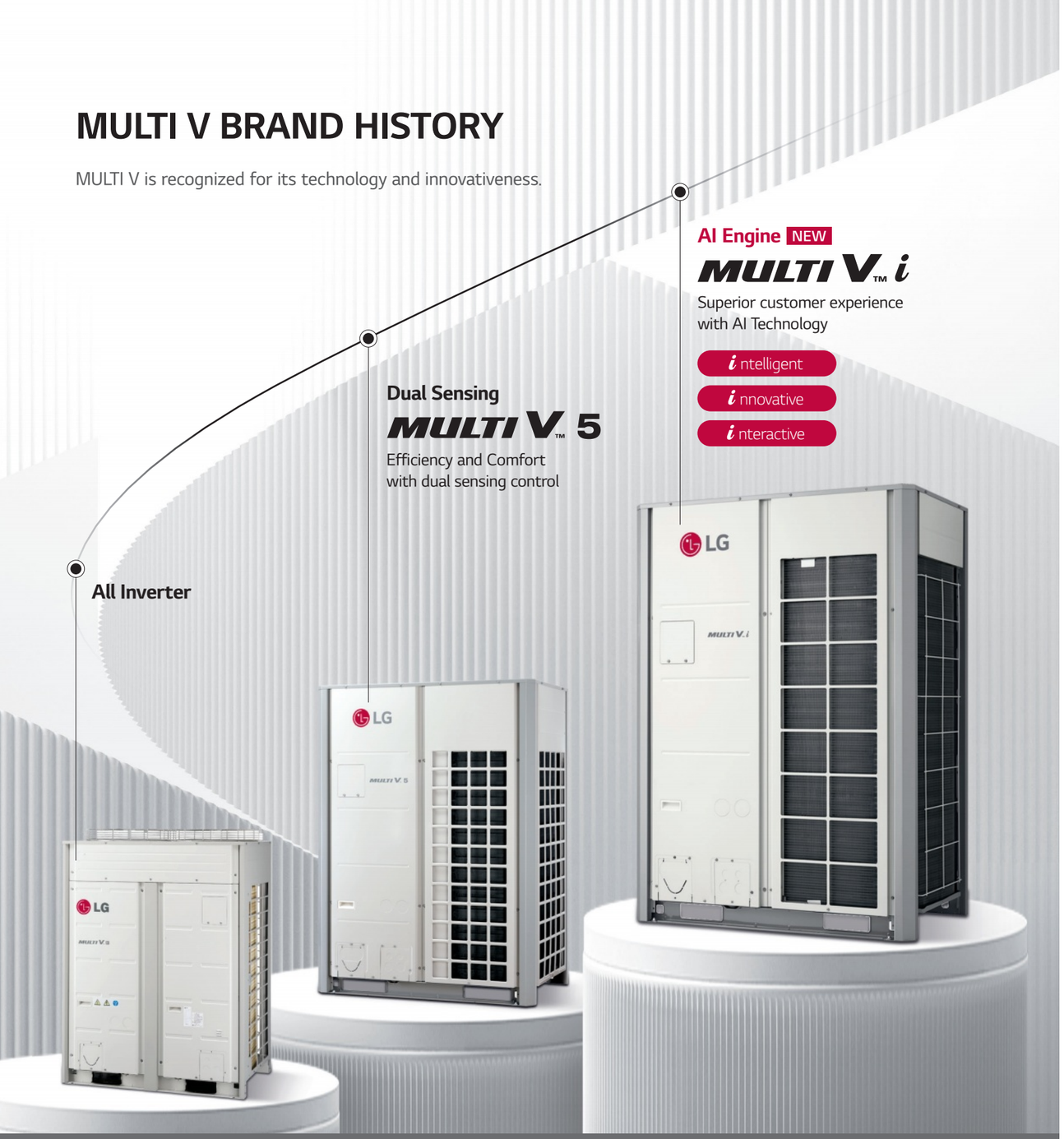
MULTI V is recognized for its technology and innovativeness.

All Inverter

Dual Sensing
MULTI V™ 5
Efficiency and Comfort
with dual sensing control

AI Engine NEW
MULTI V™ i
Superior customer experience
with AI Technology

- *i* ntelligent
- *i* nnovative
- *i* nteractive



HISTORY OF MULTI V LEADERSHIP

2013
MULTI V™ IV
- Active Refrigerant Control
- Variable Heat Exchanger Circuit
- Smart Load Control
- Smart Oil Return
- Vapor Injection (Advanced)

2017
MULTI V™ 5
- Dual Sensing Control
- Ultimate Inverter Compressor
- Large Capacity ODU with Biomimetic Technology Fan
- Continuous Heating
- Ocean Black Fin

2023
MULTI V™ i
- Energy Saving with AI engine
- Corrosion Resistance Exterior
- Smart Diagnosis Reporting
- Remote Upgrade System
- Weather Reference Operation

INFRASTRUCTURE IN ASIA

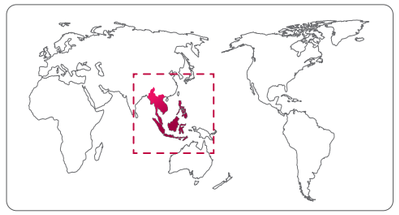
LG Singapore Air Conditioning Academy

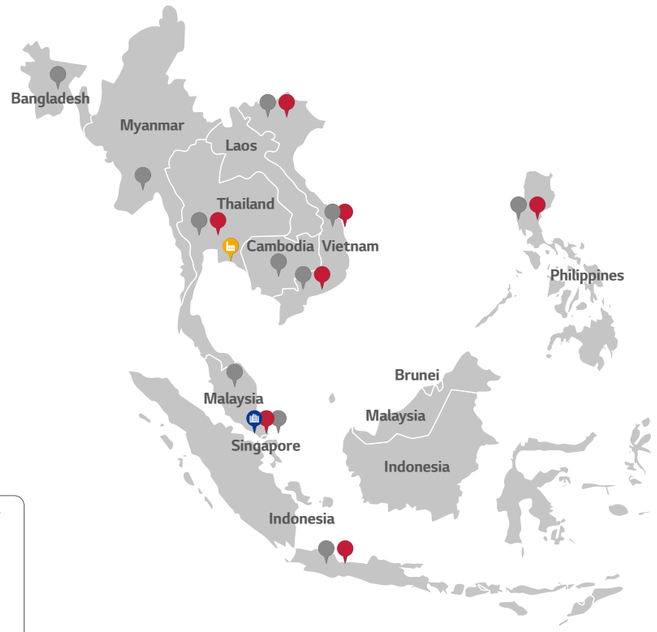
LG Singapore, as affiliate of managing several countries which contain Bangladesh, Sri Lanka, Nepal, and other insular area like Maldives, Papua New Guinea, Fiji, runs LG air conditioning academy. LG academy is supposed of LG showroom which LG home appliance and air conditioning projects are displayed and LG practice room which we instruct LG HVAC product knowledge and software as well by using directly with LG displayed materials.

LG Whisen Park

LG Air conditioning Academy is a key infrastructure for the company's Total Climate Control business. HVAC business differs from ordinary air conditioning businesses in that as a B2B sector, the three elements of sales, installation and service must come together to create good results.

- Asia Regional Head Office
- Air Conditioner Academy (Training Facility)
- Branch Office
- Production Site





ENGINEERING TOOLS & SUPPORT

From planning to design, installation, service & maintenance and retrofit, an architectural project goes through 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. Given the usage of such tools, buildings are effectively designed, built, supervised, and maintained throughout their lifecycle.
Dedicated to provide the best HVAC engineering support, LG Air Solution offers several engineering tools and solutions focused on the overall lifecycle of a building HVAC system. The LATS* Program has been developed to offer the best solution for LG HVAC systems, providing customers with a solution that allows for faster, easier and more accurate model selection, energy estimations and more.

* LATS : LG Air-conditioner Technical Solution

01 Model Selection

LATS HVAC

An integrated model selection program, enabling an accurate and quick selection on the best model suitable for each site. By providing detailed information on refrigerant piping and control design, design mistakes can be minimized.

- Various LG HVAC product design
  (MULTI V, MULTI, Single, ERV, AHU, DOAS and Central Controller)
- Calculate the diameter and length of refrigerant pipes
- Check design guide easily
- Simulate capacity and power input based on design condition
- Calculate the amount of additional refrigerant
- Provide engineering data in various formats such as report, submittal and equipment list

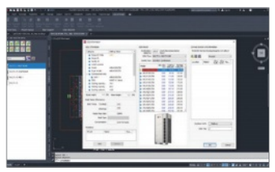
02 Design

LATS CAD (2D Drawing)

Easy, quick and accurate add-in design program for AutoCAD or ZWCAD.

- Selection for outdoor unit, indoor unit, accessories and controllers
- Design ref-pipe, control line and drain pipe
- Calculate the diameter and length of pipes and drains
- Check pipe rules
- Simulate capacity and power input based on design condition
- Calculate the amount of additional refrigerant
- Output of equipment schedules and reports
- Project information sharing with LATS HVAC

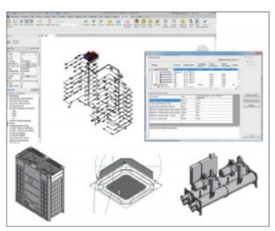
※ AutoCAD / ZWCAD program is required.



LATS REVIT / REVIT Family (3D Drawing)

An add-in program that provides a range of functions for designing LGE VRF in Autodesk Revit for Building Information Modeling (BIM).
The Revit family of LGE products features realistic shapes and specifications, making it easy for consultants and engineers to design and plan HVAC systems.

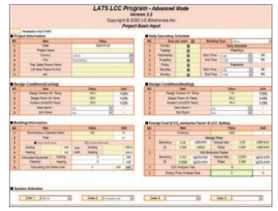
※ AutoCAD REVIT program is required.



03 LATS LCC (Life Cycle Cost estimation)

LATS LCC simulates annual energy usage amount and life cycle cost based on whole year weather data and product performance data.

- Alternative system's Life Cycle Cost simulation
- Detail LCC analysis function
- Improved user input freedom (User can input directly)



04 Mobile Application & Website

LG Energy Payback Application

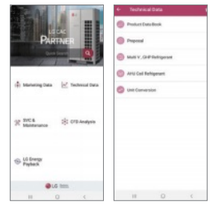
Payback application provides a comparison of the payback period and Low Cycle Cost of LG inverter products.

- Life Cycle Cost comparison proposal for Each HVAC System
- Payback calculation of RAC/CAC products

CAC Partner Application

Partner application provides technical and marketing materials for each model and various utility functions.

- Search and download technical and marketing materials
- Refrigerant amount calculation and error code search function, etc.



B2B Partner Portal

B2B partner portal provides technical data and various utilities, case studies by region and model.

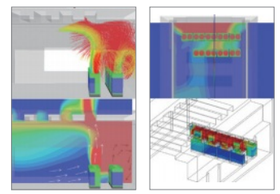
- Search and download of PDB, catalogue, proposals, CAD files, etc.
- Provides various case studies for each segment

05 Environment Simulation

CFD Analysis

CFD analysis can review potential issues and provide optimal solution.

- Outdoor airflow analysis : Operability check
- Indoor airflow analysis : Airflow distribution
- Outdoor noise analysis : Environmental noise impact pre-study



BENEFITS OF LG MULTI V

Benefits for
Building Owners

Efficient Management & Cost Reduction
- Fault Detection Diagnosis enables easy maintenance & no extra manpower for regular maintenance.
- Saves space, time, and installation costs by offering a larger capacity single outdoor unit
- More reliable cooling operation provides stable and powerful cooling condition at the unexpected extreme environment.

Reliability at Every Stage
- Ultimate Inverter Compressor developed and manufactured in Korea.
- Corrosion resistant Black Fin & Panel for harsh conditions operation.

Customized Comfort and Solution
- Preset monthly energy usage and consume power according to the target that has been previously set.

Benefits for
Developers & Construction Companies

Green Solutions
- More environmentally friendly system & higher energy efficiency, less carbon emission.

Maximizing Space Utilization
- Large capacity in compact size enhances space utilization.

Smart Building Solutions
- Seamless integration with current Building Management Systems.
- User friendly interface, flexible interlocking environment, energy management and smart individual controller for optimized controlling conditions and smart building management.
- Expandable control system can makes building management smart by setting up logic optimized for the site.

Benefits for
Consultants

Versatile Solutions
- Air-cooled, Water-cooled, Heating, ERV, and Air Handling Unit interlocking solutions.

Professional Design Support
- LATS (LG Air-conditioner Technical Solution) for draft energy estimation, model selection, HVAC design and 3D designing.
- CFD Analysis to ensure suitable solutions and prevent malfunctions.
- Energy simulation offered to find the optimal solution.

Optimized Convenience with HVAC Design
- Flexible combination provides more options for designing according to customers' preferences.
- The outdoor unit noise can be restricted by the set noise level in advance.

Benefits for
End-users

Cost Saving Operation
- High efficiency guaranteed throughout product line-up.
- Prevent overuse of the HVAC system operational costs by AI Energy management.

Comfort Cooling & Heating
- MULTI V ***i*** is able to take control by itself in various situations through deep learning algorithms that enable it to self-learn.
- Automatic operation provides more comfort and convenience by checking ambient weather conditions.

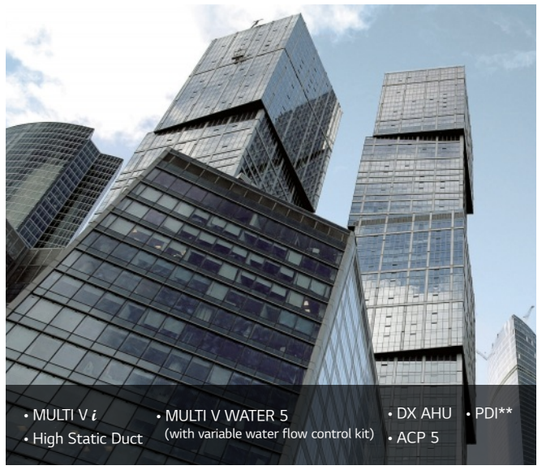
Convenient Functions
- Low-noise operation provides a pleasant environment.

APPLICATION SOLUTIONS

Office

Supporting efficiency with flexibility

High Rise Office Building



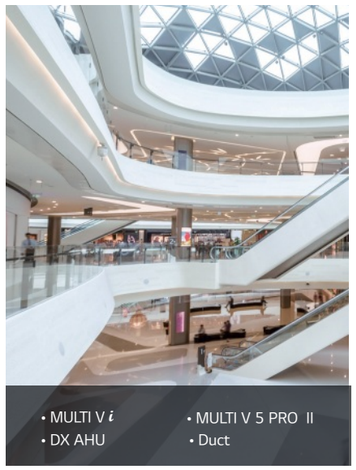
Small to Medium Sized Office Building

The MULTI V series revitalizes the workspace by providing fresh air at all times. LG's intelligent control solutions add comfort to any space.

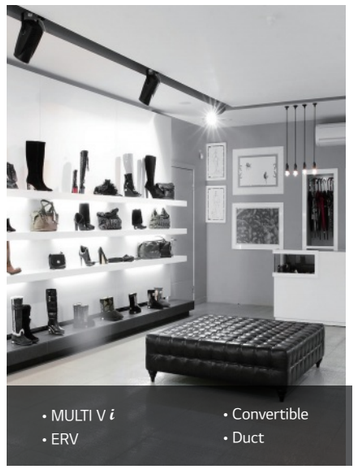
Commercial

Maximizing business, minimizing cost

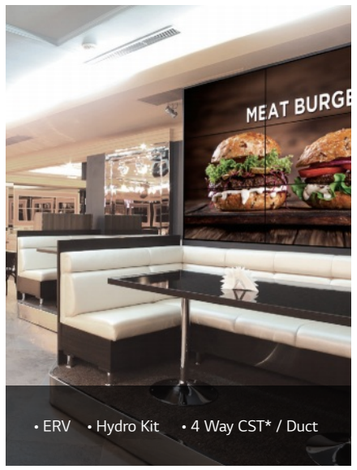
Shopping Mall



Retail



Quick Service Restaurant (QSR)



The highly efficient, energy saving MULTI V Series reduces operation costs and provide comfort to suit any purpose and any interior, helping your business save extra space and reduce expenses.

* CST : Cassette ** PDI : Power Distribution Indicator

Residential

Creating a comfortable home

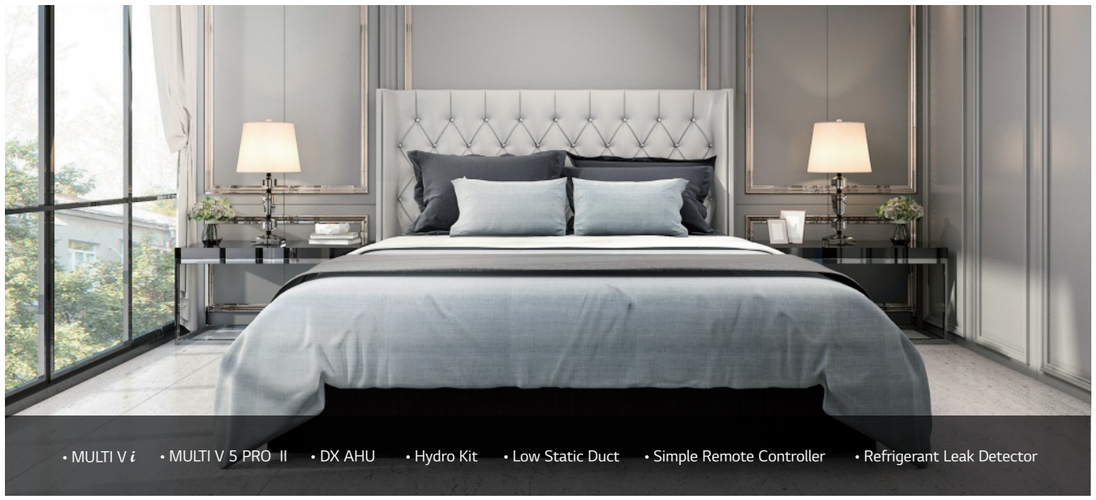
Condominium & Apartments

Single Family House & Villa

Remarkably compact size and high static pressure of MULTI V S enables optimal space solution, providing comfort to every space through individual zone control and hot water solution.

Hospitality

Meeting diverse needs

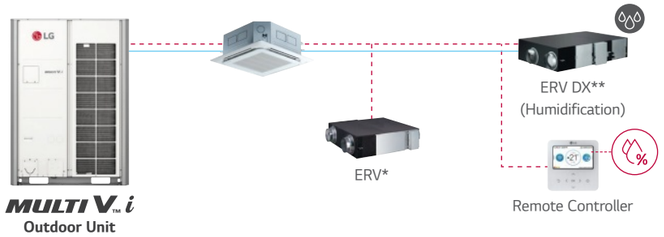


The variety of applications that MULTI V Series offers represents a perfect opportunity for sophisticated hotel business.

* ESS : Energy Storage System

Interlocking Operation with ERV

LG ERV DX with humidification function interlock operation is a solution for humidifying and ventilating the indoor space while communicating with other IDUs and the ODU. They provide improved comfort conditions considering the indoor conditions without additional facility installation.



* Energy Recovery Ventilation
** Direct Expansion

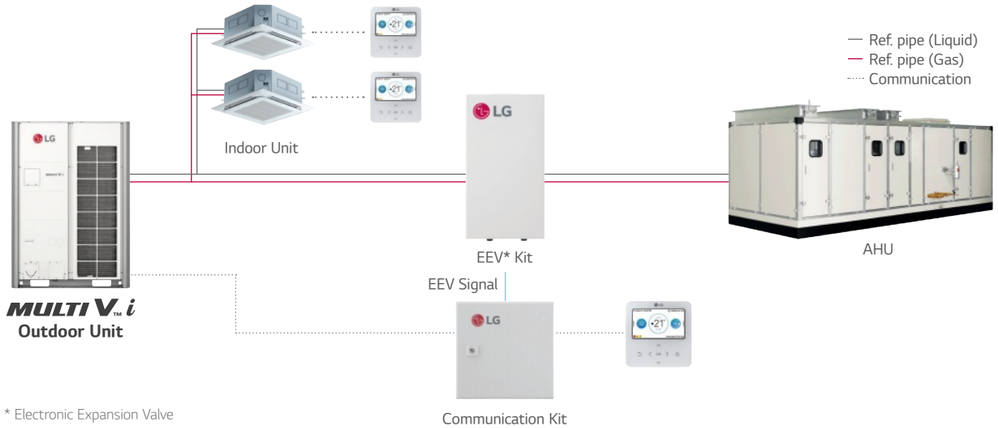
※ This function will be available in 1Q, '24

Various Applications

- Hospital
- Nursery Facility & School
- Sanatorium

Air Handling Unit (AHU) Solution

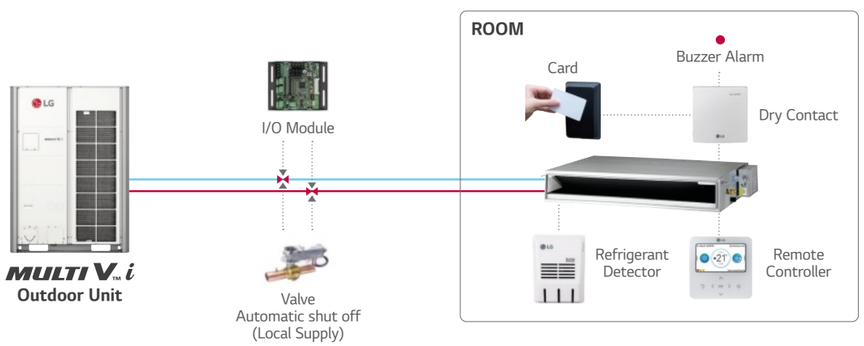
AHU is a suitable solution for cooling and heating in large spaces. With an LG AHU Comm. Kit (for both return air / supply air control) connected to the DX coil of the AHU, LG VRF system can be applied to deliver conditioned air.



* Electronic Expansion Valve

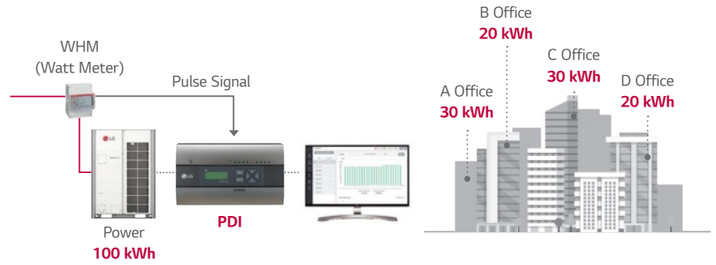
Refrigerant Leak Detection Solution

LG leakage detector keep the indoor space safe and guarantees the customer's peace of mind.



Power Consumption Distribution Solution

In case of shared power consumption in a building, a solution to distribute the power consumption amount per tenant might be necessary. Electricity charges can be billed to each tenant by using output from the LG Power Distributor Indicator (PDI). An administrator is able to check the power usage for each space and date as needed. If the PDI is used in conjunction with an LG central controller, the results can be exported in excel format.



Total Control via Any Device

When managing multiple spaces, building administrators should be able to control systems from wherever they are. The LG central controller can be accessed from any web browser that supports HTML5. The interface has been adapted to look great and perform well on any device.

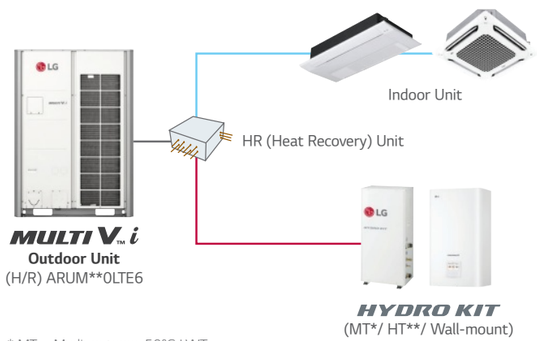
Management office
PC

Library
Tablet

Main administration building
Mobile

Hot Water Solution

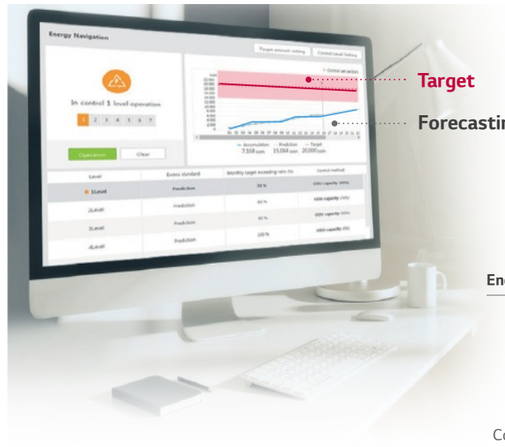
MULTI V *i* with Hydro kit provides floor heating and hot water supply as well as space heating & cooling. It is a more environmentally friendly system with higher energy efficiency and less carbon emission.



* MT = Medium temp. 50°C LWT
** HT = High temp. 80°C LWT

Energy Management Solution

Energy navigation function allows LG MULTI V i to preset monthly energy usage and consume what has been previously planned. By comparing and analyzing previous consumption and planned energy usage for the month, overuse of the HVAC system operational costs can be prevented with central controller.

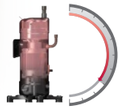


Monthly Target Setting

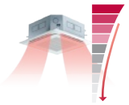
Control Step & Logic Selecting
(Up to 7 Steps)

Automatic Control By Power Consumption

Energy Saving Logic


Compressor Capacity Control

IDU Operation Ratio Control


IDU Operation Level

Integration Solution with BMS

There are many BMS protocols used for the control of buildings' various systems such as HVAC, lighting, power and security. LG has a wide range of gateway products for different protocols such as BACnet, Modbus.
In addition, LG gateways include Stand-alone central control capability to act as a back-up controller of the BMS if needed.


BMS System

BACnet
Modbus

Small - Medium size building


IDU ~64 : Modbus RTU G/W

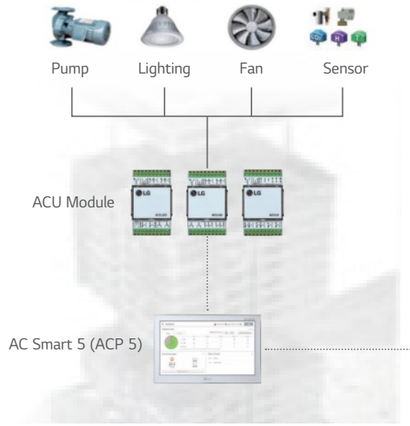
Medium - Large size building


IDU ~128 : AC Smart 5
(BACnet IP / Modbus TCP)


IDU ~256 : ACP5
(BACnet IP / Modbus TCP)

Interlocking Solution by Using ACU Module

It is costly to introduce a BMS system to control multiple devices or systems in a small building. With the ACU module, various IO contact points (DI, DO, UI, AO) can be interlocked and integrated, while control is possible from the LG central controller. This enables an efficient management of lighting, pumps and other devices in the building in conjunction with the HVAC system.



Saving Engineering Cost

Strengthen Maintenance Efficiency

Interlocking Solution Using Dry Contact

3rd party thermostats can be used to control LG air conditioners in a room by using a multi point dry contact.
The dry contact enables basic control of air conditioners as well as making it possible to report the status and any errors impacting the indoor unit.
The Standard III remote control has a DO port. With this DO port, it is possible to interlock the indoor unit with 3rd party devices such as lighting, a fan, or a radiator, based on parameters like operation mode or current temperature.
The indoor unit can be interlocked with various types of input such as card key-tag, door sensor, human detection sensor etc. so that the air conditioner is automatically operated. In addition, the dry contact option settings enable operation of air conditioner to maintain proper temperature when the occupant is absent. This solution makes sure that the room does not overheat or become too cold when unoccupied so that energy cost can be saved.

● Heat Pump ☐ Cooling Only

Features	Appearance	3	4	5	6	8	10	12	14			16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	...	96	...	104
MULTI V i • Large capacity ODU (Up to 26 HP) • Powerful cooling / heating performance • Flexible ODU combination • AI efficiency / comfort / smart up • Scability to various application • Black Fin heat exchanger • Large space, high rise building and individual control building Shopping mall, Education, Office						●	●	●																																								
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MULTI V 5 PRO II • Dual sensing control • Large capacity ODU (Up to 26 HP) • Compact footprint & light weight • Black Fin heat exchanger • Large space, high rise building and individual control building Shopping mall, Education, Office						☐	☐	☐	☐																																								
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MULTI V S • Space saving • Flexible design Slim, light, broad range (3 -12 HP) Large number of connectable indoor units (Up to 20 Units) • Small, medium building Apartment, House & villa		☐	☐	☐	☐																																										
		●	●	●	●																																											
						●	●	●																																										
MULTI V WATER 5 • High efficiency systems • Indoor installation • Simultaneous cooling & heating • Individual control building, large building Hospital, Hotel						●	●	●	●			●	●	●																																		
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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	Energy Monitoring	2 Set Point	Occupied / Unoccupied Scheduling Function	Group Control	Test Run (Cooling)	Test Run (Heating)	Model Information Monitoring	Auto Addressing	Refrigerant Leakage Detection	Thermo On / Off Range Setting (Cooling)	Thermo On / Off Range Setting (Heating)	Static Pressure 11 Step Control (Only for Ceiling Concealed Duct Type)	1 Point External Input (On / Off Control)	Filter Sign (Remaining Time)	Auto Restart Function Disable / Enable	Wi-Fi Ready
Type / BTU		5k	7k	9k	12k	15k	18k	21k	24k	28k	30k	36k	42k	48k	54k	76k	96k																
4th generation Wall Mounted	Standard	●	●	●	●	●	●		●		●	●						●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
4th generation Ceiling Mounted Cassette	4 Way Cassette (570 x 570)	●	●	●	●	●	●	●										●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	4 Way Cassette (840 x 840)								●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	4 Way Cassette High Sensible (840 x 840)	●	●	●	●	●	●		●	●		●	●	●				●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	Round Ceiling Cassette								●			●		●				●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	2 Way Cassette			●	●		●		●									●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
	1 Way Cassette		●	●	●		●		●									●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
4th generation Ceiling Concealed Duct	Mid / High Statics		●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Low Static (Slim)	●	●	●	●	●	●	●	●									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4th generation Fresh Air Intake														●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4th generation Ceiling & Floor Convertible				●	●													●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4th generation Ceiling Suspended							●		●			●		●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4th generation Console			●	●	●	●												●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4th generation Floor Standing	Floor Standing with Case		●	●	●	●	●		●									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Floor Standing without Case		●	●	●	●	●		●									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Floor Standing (PAC)														●			●	●			●	●	●	●	●	●	●	●			●	●	●
4th generation Hydro Kit	Wall-Mounted						●		●		●							●			●	●	●	●	●	●	●	●		●		●	●
	Low Temperature												●				●	●			●	●	●	●	●	●	●	●		●		●	●
	High Temperature												●			●		●			●	●	●	●	●	●		●		●		●	●
4th generation Energy Recovery Ventilator with DX Coil	with Humidifier					●			●		●										●	●	●		●	●				●	●	●	
	without Humidifier					●			●		●										●	●	●		●	●				●	●	●	

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

Individual Control

Wired Remote Controller

Standard

Standard III (White)

PREMTB101

Standard III (Black)

PREMTBB11

Standard II (White)

PREMTB001

Standard II (Black)

PREMTBB01

Premium

PREMTA000
PREMTA000A
PREMTA000B

Simple

PQRCVCL0QW

PQRCVCL0Q

PQRCHCA0QW
(Simple for Hotel)

PQRCHCA0Q
(Simple for Hotel)

Wireless Remote Controller

PWLSSB21H (Heat Pump)
PWLSSB21C (Cooling Only)

Wi-Fi Modem

For Indoor Unit
PWFMDD200

Centralized Control

Display

AC Ez

PQCSZ250S0
(Indoor Unit ~ 32)

AC Ez Touch

PACEZA000
(Indoor Unit ~ 64)

AC Smart 5

PACS5A000
(Indoor Unit ~ 128)
BACnet IP / Modbus TCP

Platform

ACP 5

PACP5A000
(Indoor Unit ~ 256)
BACnet IP / Modbus TCP

AC Manager 5

PACM5A000
(Indoor Unit ~ 8,192)

Gateway

Modbus RTU Gateway

PMBUSB00A
(Indoor Unit ~ 16)

PI485

For Indoor Unit (ERV)
PHNFP14A0

For AWHP
PP485A00T

For Outdoor Unit
(SINGLE / MULTI)
PMNFP14A1

Centralized Control

Facility Integrator

PDI
(Power Distribution Indicator)

Premium (8 ports) PQNUD1S40
Standard (2 ports) PPWRDB000

ACS IO Module
(Input / Output Module)

PEXPMB000

ACU IO Module
UIO

PEXPMB300

UO

PEXPMB200

UI

PEXPMB100

Integration Device

Indoor Unit

Dry Contact

Simple Dry Contact
PDRYCB000

Dry Contact for Thermostat
PDRYCB320

2 Points Dry Contact (For Setback)
PDRYCB400

For Modbus
PDRYCB500
/ PDRYCB510 (w/o case)

Control Accessory

Group Control Wire

PZCWRCG3

Remote Temperature Sensor

PQRSTA0

Zone Controller

4 Zones by thermostat
ABZCA

Multi-tenant Power Module

PINPMB001

Outdoor Unit

IO Module
(Input / Output Module)

For MULTI V IV, 5, *i*
PVDSMN000

Variable Water Flow Control Kit

For MULTI V WATER 5
PWFCKN000

AHU Kit

Communication Kit

Return / Room Air Control
PAHCMR000

Discharge / Supply Air Control
PAHCMS000

Controller Module

Main Module
PAHCMM000

Communication Module
PAHCMC000

Control Kit

PAHCNM000
(Max. 3 Outdoor Units)

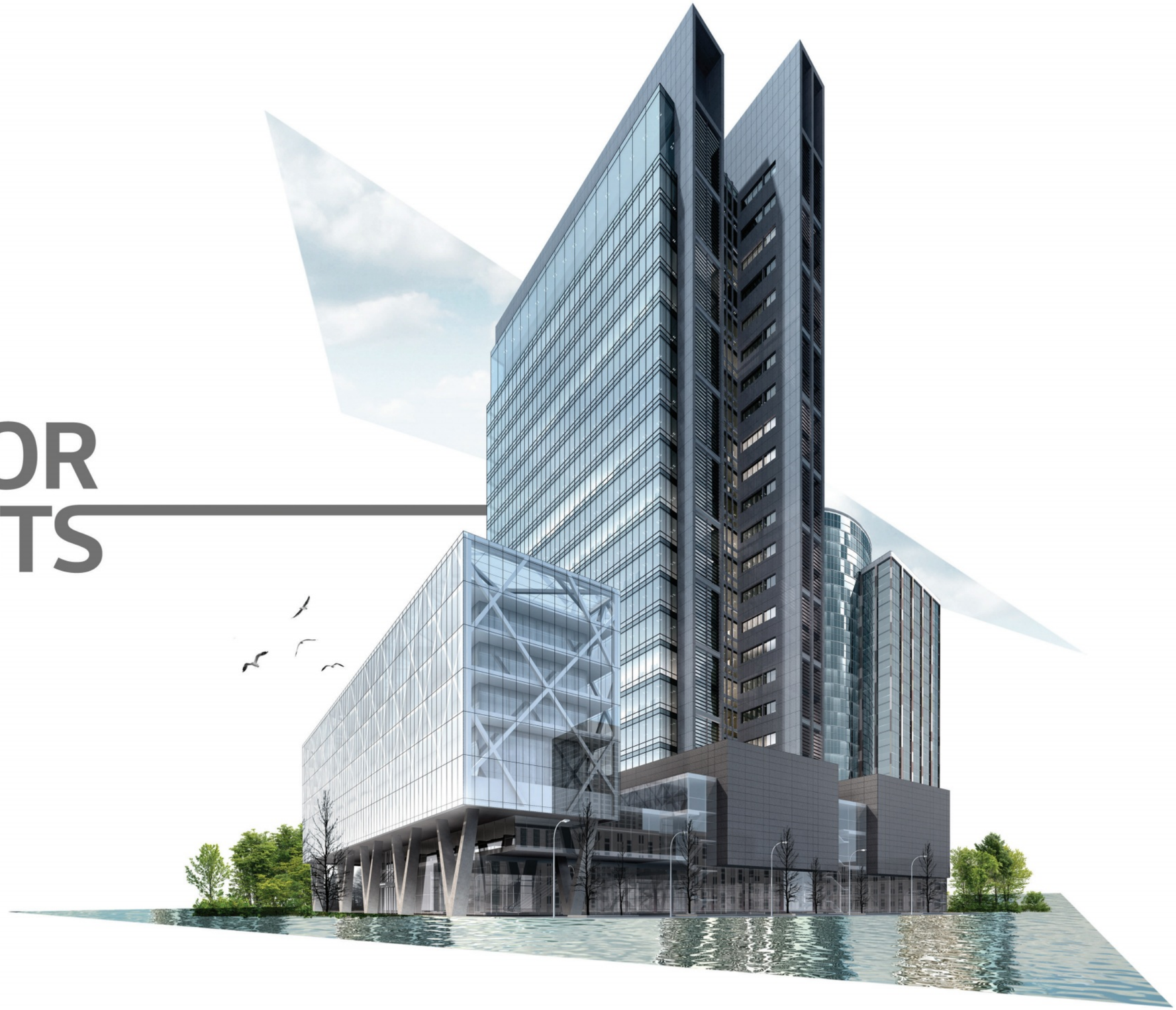
EEV Kit (Electronic Expansion Valve)

PRLK048A0 (~ 28 kW)
PRLK096A0 (~ 56 kW)

PRLK396A0
(~ 112 kW)

PRLK594A0
(~ 168 kW)

OUTDOOR UNITS



MULTI V™ i

Highlight

Higher Energy Efficiency	Optimal Comfort	Full cooling performance up to 43℃	High Reliability

- Energy Saving with AI Engine
- AI Smart Diagnosis
- Large Storage Black Box
- Remote Upgrade System
- Corrosion Resistance Exterior
- Flexible Combination of Outdoor Units

01 INTELLIGENT

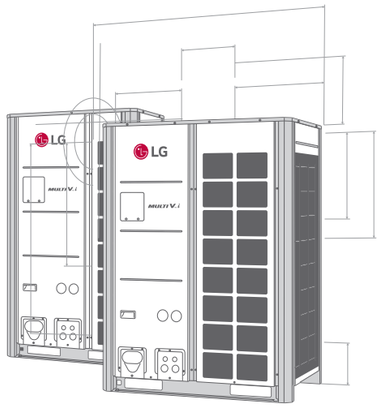
Various Environment Recognition
& Optimized Operation Itself with AI Engine

- Outstanding Energy Efficiency
- AI Smart Care
- AI Indoor Space Care
- AI Smart Metering
- AI Energy Management

AI Engine

Superior Customer Experience
with **AI technology**

02 INNOVATIVE



Innovative Energy Efficiency /
Performance Realization

- Corrosion Resistance
- Widen Heat Exchanger
- HiPOR™
- Maximum 26 HP for a Single Outdoor Unit
- Compact Size with Larger Capacity
- Powerful Cooling Performance
- Newly Designed Fan & Orifice

03 INTERACTIVE

Upgrading & Evolutionary System according to Customer

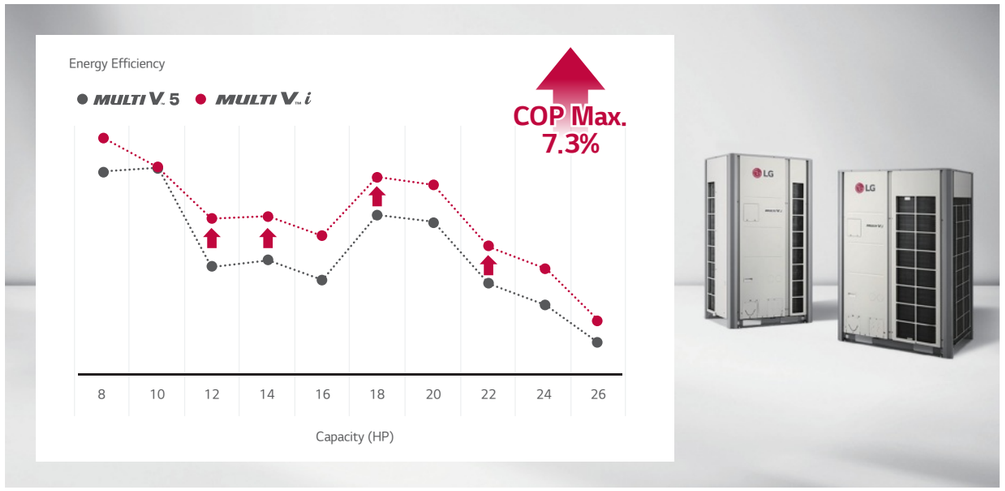
- Flexible Combination of Outdoor Units
- Noise Target Control
- Weather Information Interlocking Control
- AI Smart Diagnosis
- Large Storage Black Box
- Auto Tuning System
- Remote Upgrade System
- LG BECON cloud
- Control Solution with MULTI V *i*
- Total Piping Length

Interlocking System

- **A/C**
  (Air Conditioner)
- **LG AHU**
- **Valve / Pump**
  AO (Analog Output)
- **Occupancy Sensor / Alarm / Key-tag**
  DI (Digital Input)
- **Fan / Lighting / Switch**
  DO (Digital Output)
- **Temperature / Humidity / CO_2 Sensor**
  AI (Analog Input)

Outstanding Energy Efficiency

MULTI V *i* enables economical operation with excellent energy efficiency improved over previous version that was already unrivaled in the market.

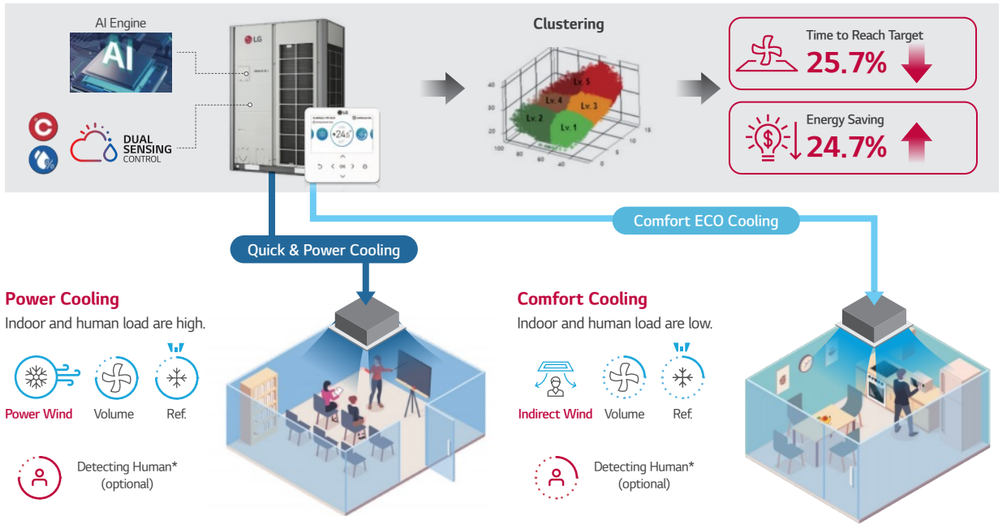


※ Cooling COP is EER (Energy Efficiency Ratio).
※ The 7.3% improvement is not for entire line up.
※ The 7.3% improvement is a comparison between ARUN120LTE5 (MULTI V 5) and ARUN120LTE6 (MULTI V *i*).

AI Smart Care

MULTI V *i* can control itself according to various situations for comfortable space and energy saving.
MULTI V *i* is equipped with machine learning algorithms that enable it to self-learn.

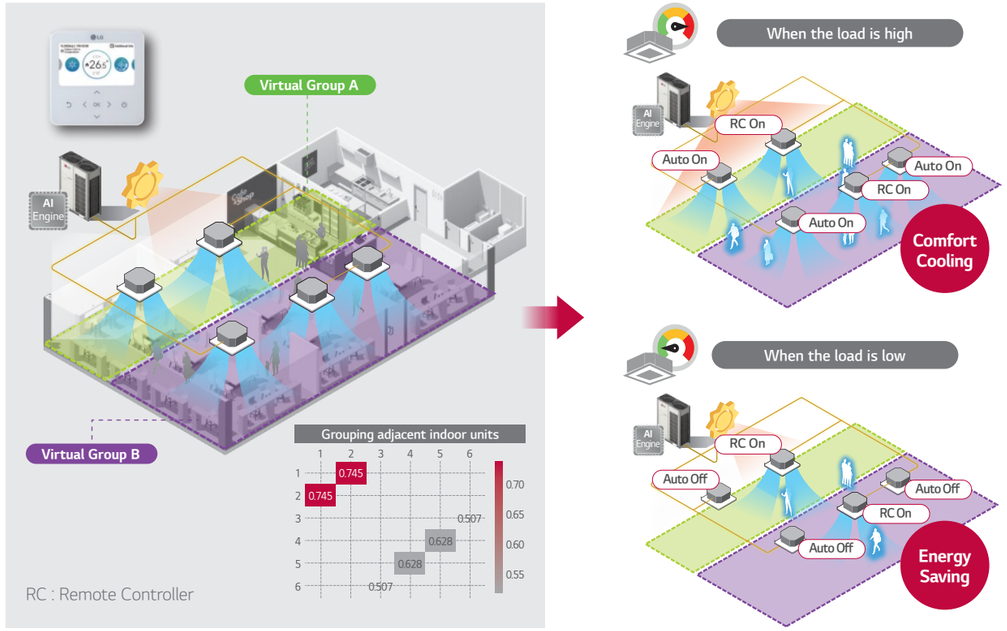
Data Collecting and Saving from IDU & ODU



* The Human Detection Sensor is an optional accessory (PTVSAA0).
※ This is the result from internal test that is followed KS Test Standard (24 HP model of MULTI V / KS B ISO 15042 : 2006).
※ The result may vary depending on the applied model, local temperature, and environment.
※ This function can be used only when all indoor units are either in cooling mode or in heating mode.
※ This function may or may not be applied depending on the indoor unit.

AI Indoor Space Care

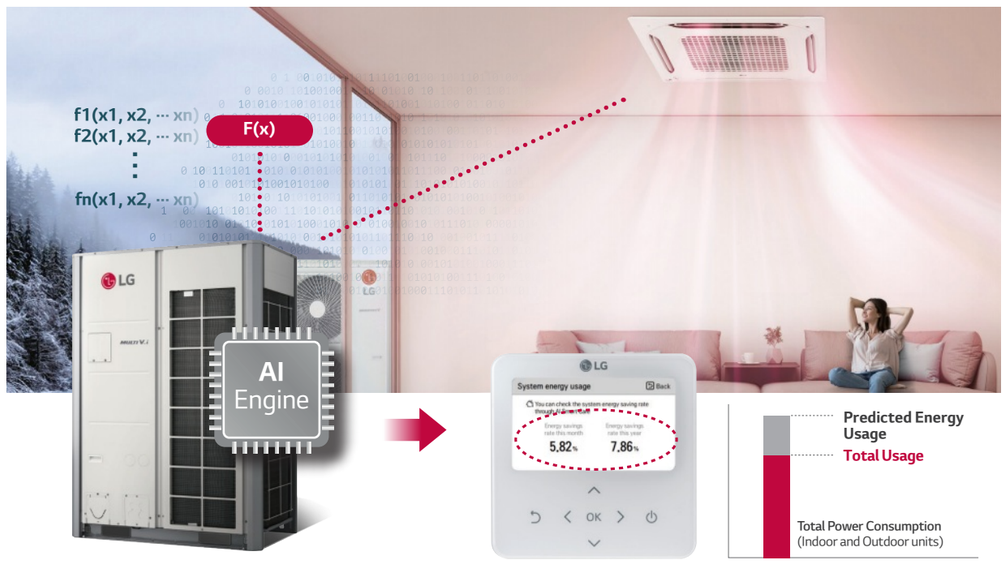
Achieving balanced temperatures for space comfort, MULTI V *i* identifies adjacent indoor units and then defines a virtual group, they automatically turn on / off according to the load.



※ This function can be used only when all indoor units are either in cooling mode or in heating mode.
※ This function may operate differently depending on the indoor unit.
※ This function may or may not be applied depending on the indoor unit.

AI Smart Metering

It is possible to check the estimated energy savings of the system by using AI Smart Care.

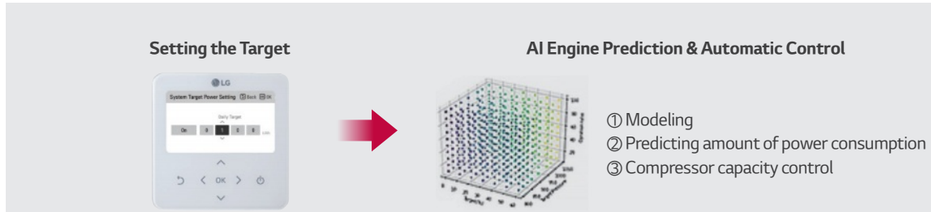


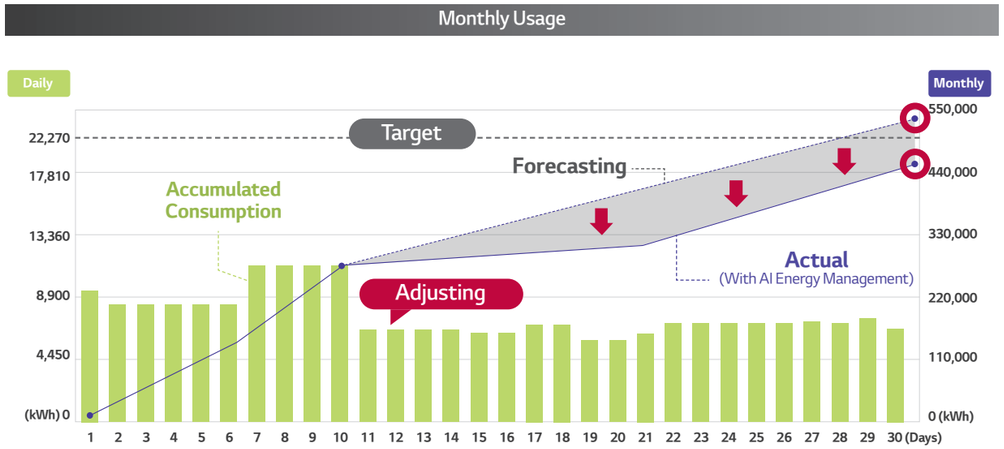
Completing general operation energy consumption, F(x)

Checking predicted energy savings at a glance!

AI Energy Management

MULTI V *i* is able to preset monthly energy usage and consume power according to the target that has been previously set. By comparing and analyzing power consumption of the previous month and daily energy usage of current month, overuse of the HVAC system operational costs can be prevented by AI Energy management.

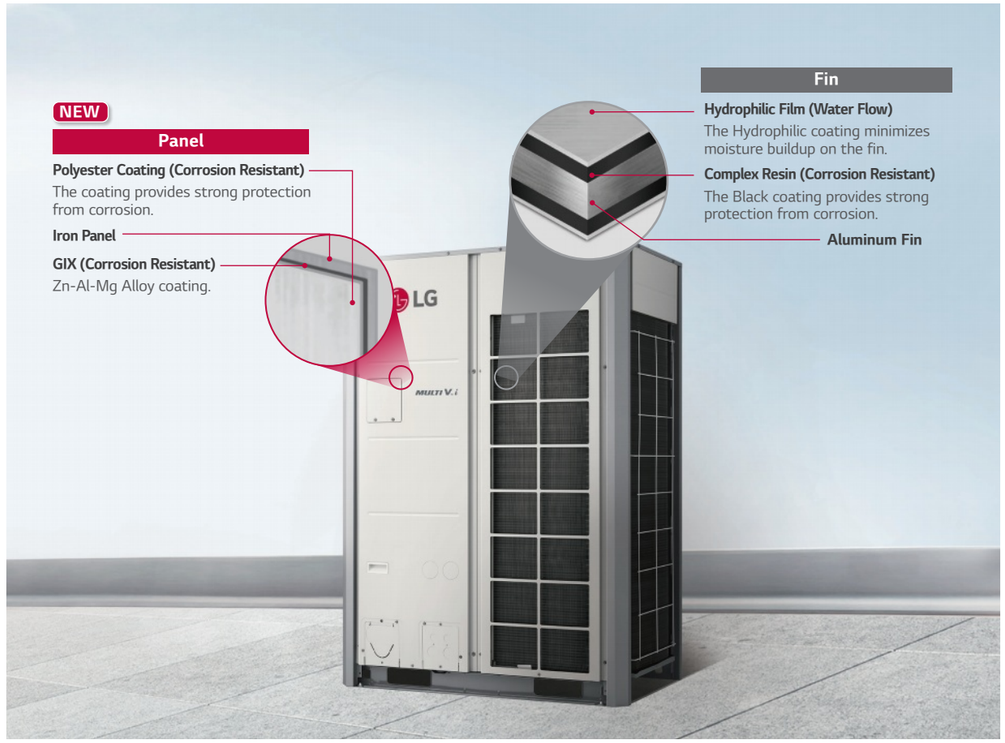




※ The above image is only for the better understanding.
※ If more accurate status for energy consumption is needed, ACP and PDI have to be installed.

Corrosion Resistance

"Corrosion Resistance Black Fin" heat exchanger is designed for improved corrosion resistance. Body panels are also designed for improved corrosion resistance. 2,000 hours for body panels and 10,000 hours for heat exchanger make the product more reliable for customers.

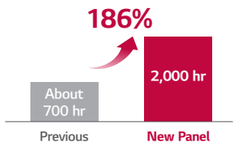


Salt Spray Test for New Panel

Less than 0.05% area of defects compared to initial.

Fog[1)]
(35℃, 24 hr)

※ Verification of corrosion resistance performance
- ASTM B117 : 2,000 hours (Last updated : Jul. 2022)
- Test Method B of ISO 9227



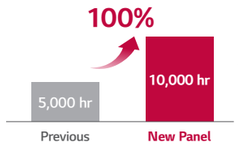
Test process is conducted according to ASTM B117
1) Salty water concentration : NaCl aqueous solution (5%)

Salt Spray Test for Black Fin

Less than 0.05% area of defects compared to initial.

Fog[1)]
(35℃, 24 hr)

※ Verification of corrosion resistance performance
- ASTM B117 : 10,000 hours (Last updated : Dec. 2020)
- Test Method B of ISO 9227



Test process is conducted according to ASTM B117.
1) Salty water concentration : NaCl aqueous solution (5%)

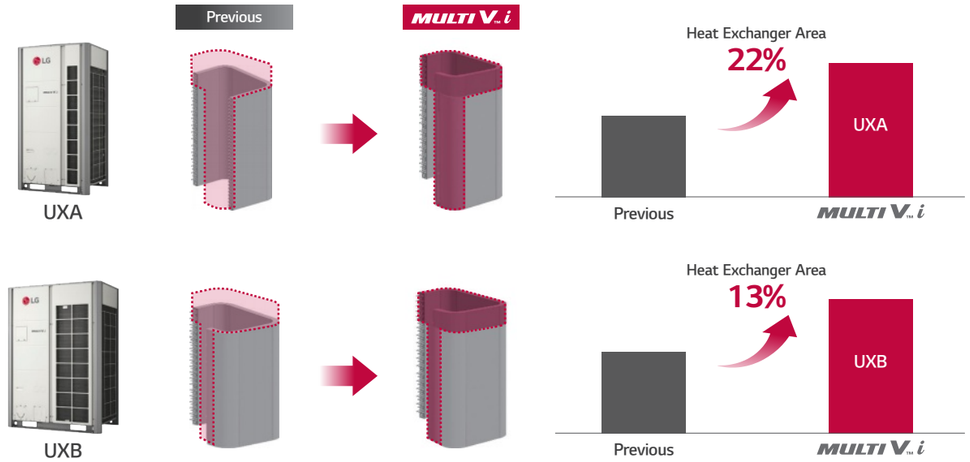
※ The product is not fully treated for anti-corrosion. To install near the sea, additional treatment must be required.

Widen Heat Exchanger

Energy Efficiency has been increased with a larger heat exchanger.

4-sided Heat Exchanger

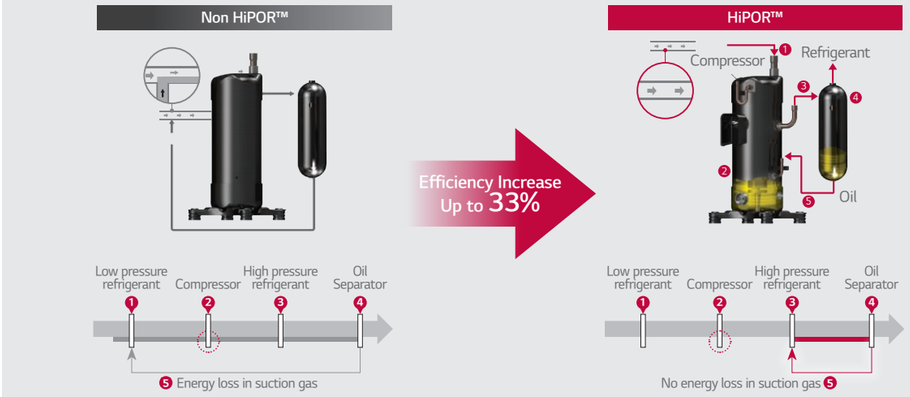
Improved energy efficiency by increasing the heat exchanger area.



※ As a result of self-test according to KS test standard, it may differ depending on the actual use environment such as applied model and operating temperature.
- Model : MULTI V 57 kW
- Test condition : KS B ISO15042

HiPOR™

Advanced compressor reliability & efficiency



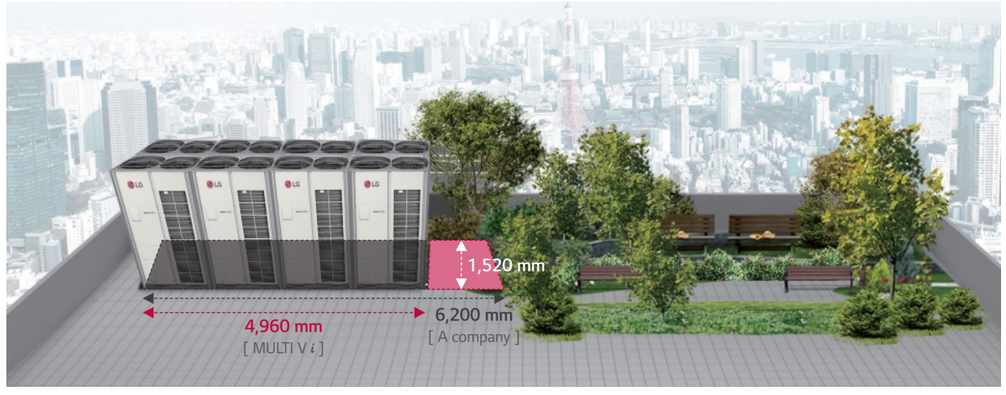
※ LG Internal Test result, Test condition - 15 HZ Rating Condition: Tc = 37.9℃, Te: 7.2℃

Maximum 26 HP for a Single Outdoor Unit

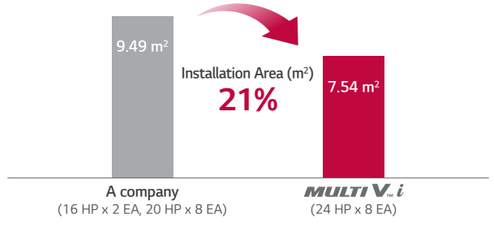
LG MULTI V *i* saves space, installation time and cost by offering a single outdoor unit with a maximum capacity of 26 HP.

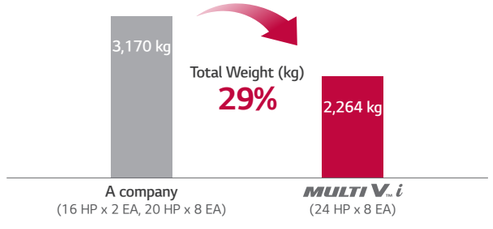
Compact Size with Larger Capacity

More area for the gardening on the roof and less architecture structure by less installation area and lighter outdoor units.



Install 196HP



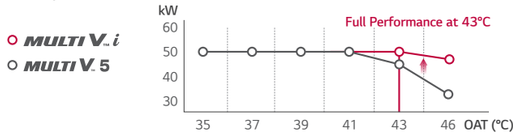


※ This scene is designed only for easier understanding.
※ The models of 8 to 24 HP are applicable to the standard combination.

Powerful Cooling Performance

Reliable cooling operation up to 52°C, with full performance at 43°C. End users are able to enjoy comfortable indoor environment even in case of extreme weather conditions outside.

Cooling Performance



Powerful & Stable Cooling Performance

	MULTI V i	MULTI V 5
Cooling Operation Range	-15 ~ 52°C	-15 ~ 48°C
Performance at 43°C	Full	92%

※ Performances are based on the following conditions. The result is from internal test.
- Cooling : Outdoor 43℃ DB / Indoor 27℃ DB, 19℃ WB

Newly Designed Fan & Orifice

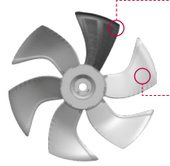
The design of a new biomimetic fan was inspired from nature. It brings more air volume and less noise with the same air flow rate compared to the previous system.

Fan Noise Level
2.6 dB ↓

Fan Power Consumption
12% ↓

NEW Designed Biomimetic Fan

The new biomimetic fan has 6 blades that can reduce noise level and power consumption.



Humpback Whale Design

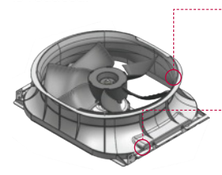
Increased Air Volume

Clam Shell Pattern

Reduced Noise Level

Compact Aero-Design

With an optimal air flow, the noise level and power consumption is reduced.

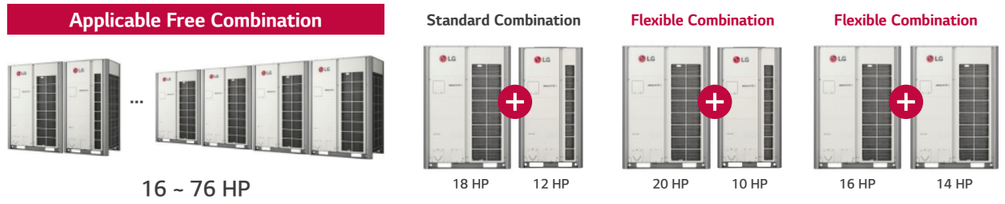


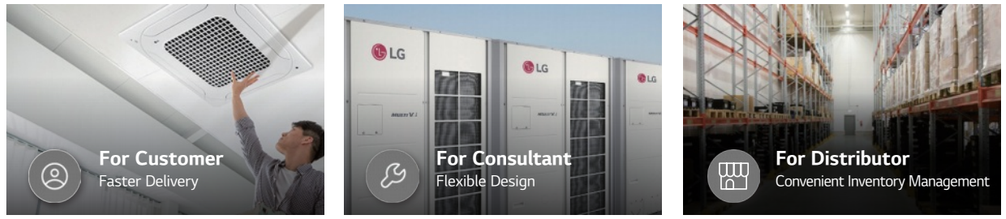
NEW Compact Orifice

NEW Motor Mounted Design

Flexible Combination of Outdoor Units

Flexible combination can contribute to realize faster delivery and installation. It provides more options for designing according to customers' preferences.



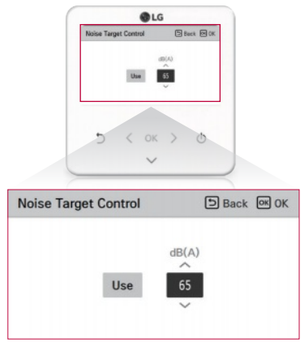


※ The model of 26 HP is not applicable to the free combination.
※ More detailed information can be checked in the LATS tool.

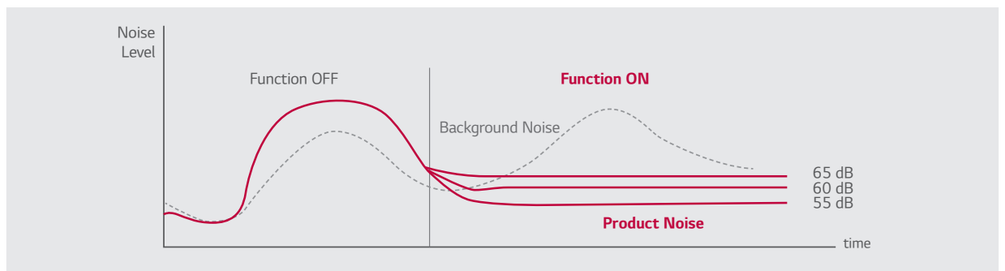
Noise Target Control

The outdoor unit's noise can be restricted by the set sound level in advance, allowing customers to enjoy comfortable conditions while avoiding disturbing their neighbors and complying with the local noise regulations.

Controlled by a Remote Controller



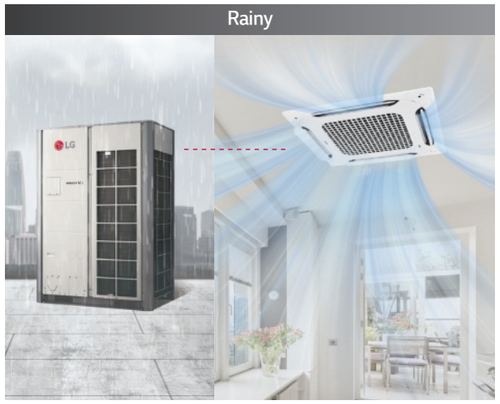
Available Setting
50 / 55 / 60 / 65 / 70 dB



※ Be sure to select the model referring to the PDB (Product Data Book) because this function may cause a lack of capacity.
※ Results may vary depending on the environment.

Weather Information Interlocking Control

LG MULTI V *i* provides more comfort and convenience by checking ambient weather conditions.

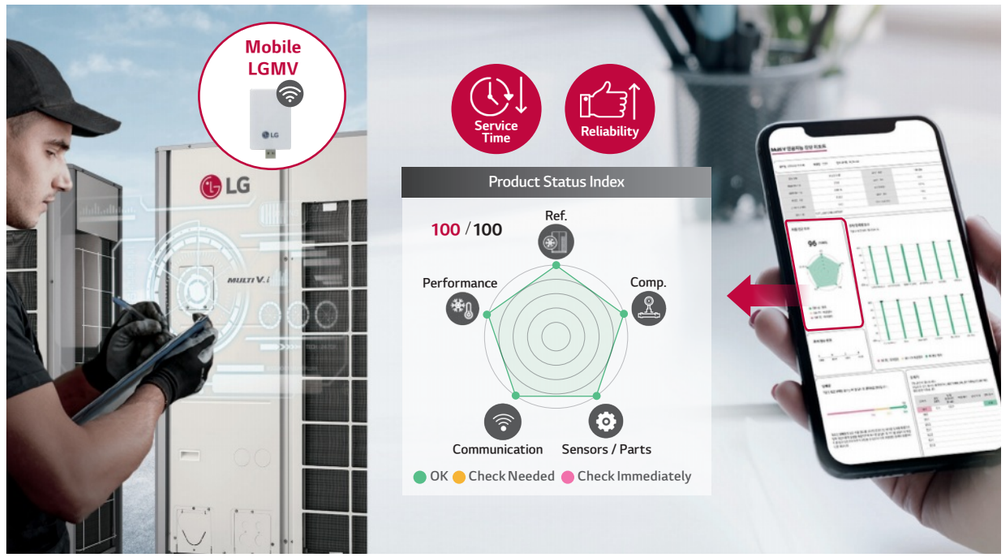


※ For this function, the air purification kit (accessory) must be applied to the indoor unit.

※ To use this function, it is necessary to connect the ThinQ server with AccuWeather.
※ To connect the MULTI V *i* to AccuWeather, an accessory such as a Wi-Fi modem is required to connect to the ThinQ server.
※ The operation is based on AccuWeather information.

AI Smart Diagnosis

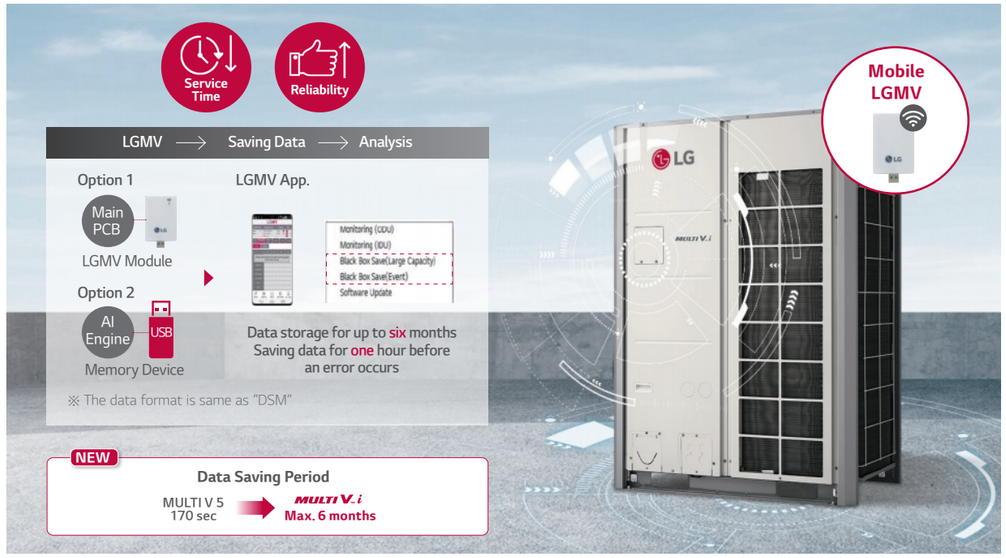
The LGMV mobile application enables intelligent management by utilizing diagnostic reports that score the condition of the product. It saves service time and improves reliability by automatically analyzing and visually reporting the status.



※ UI may be changed without notification.

Large Storage Black Box

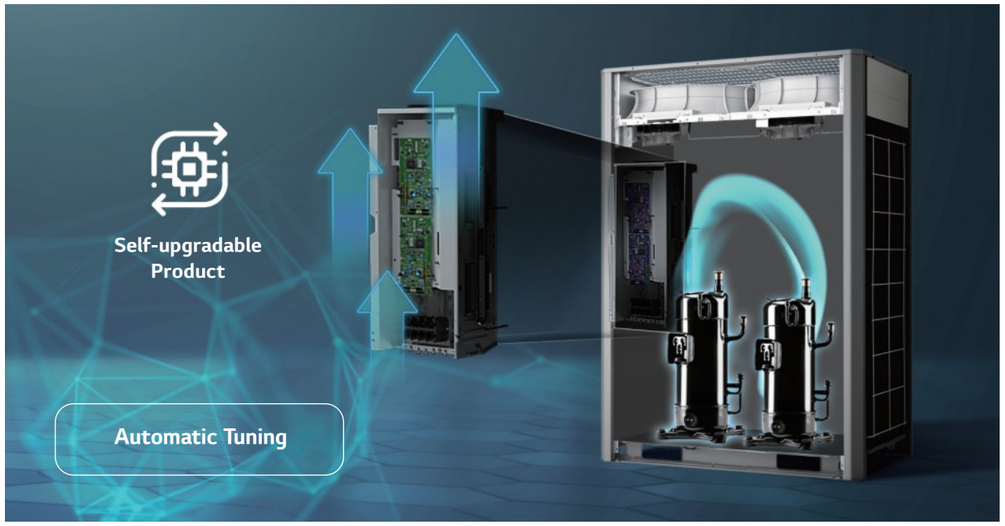
Quick service can be provided thanks to the large storage black box in the AI engine, which stores up to a maximum of 6 months of operation data and 100 failure event information.



※ This function requires LGMV.
※ Available Devices: Windows PC, Android Phone / Tablet, iPhone / iPad
※ LGMV cycle data is saved at regular intervals. Default 1 Month, Max. 6-month (optional).

Auto Tuning System

LG MULTI V *i* provides customers with a new experience through faster and easier service. It automatically upgrades when the compressor and motor are replaced.

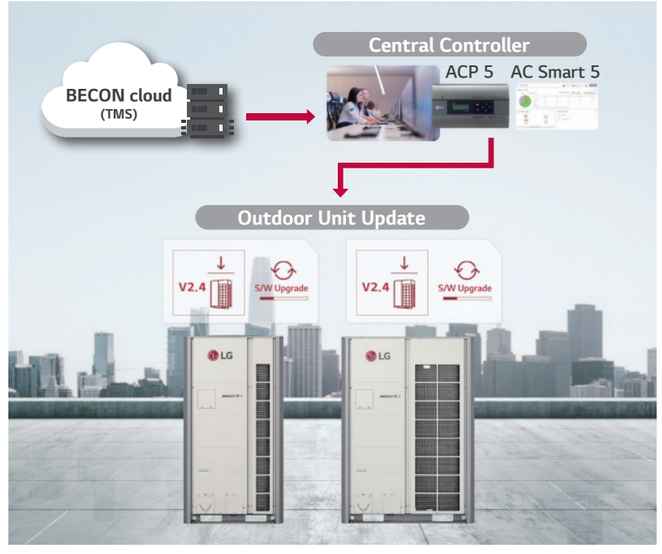


※ This function is to be applied to compressor and fan motor only for LG MULTI V *i* or next generation.

Remote Upgrade System

Always use the latest version of your product. Connection with the BECON cloud keeps your product up to date by remotely updating not only the outdoor unit but also the AI engine.

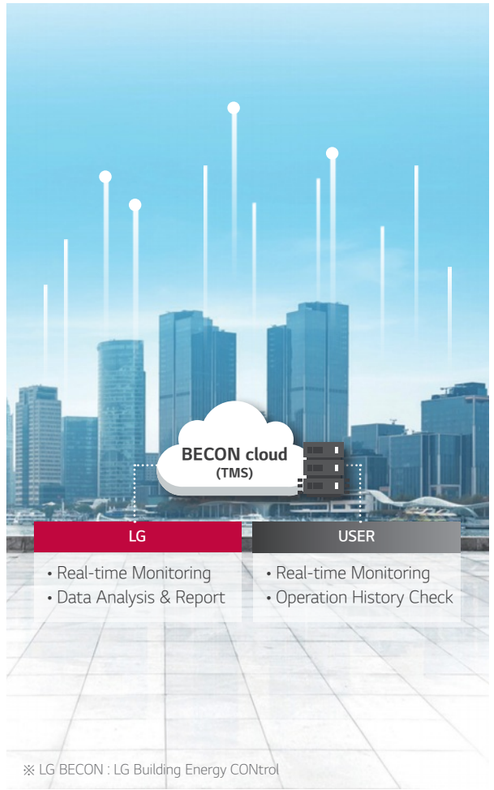
Previous	MULTI V i
Upgrade by On-site Visit	**Upgrade by Network**
Upgrade manually with a laptop (Off-line SVC)	Remote upgrade by BECON cloud (TMS)



※ This function requires LG BECON cloud service.

LG BECON cloud

With the LG cloud-based remote system, LG provides differentiated solutions such as real-time monitoring, abnormality diagnosis, real-time care service, and energy management.



※ LG BECON : LG Building Energy CONtrol

Real-time Monitoring and Control

RCS Remote Control System

Mobile PC Tablet PC

Real-time Care Service

FMS LG Facility Maintenance System

Remote Check-up | Group Management | Big-data Analysis | 24 / 7 Monitoring | Check-up Reports

Smart Energy Saving

EMS Energy Management System

Energy Management by Comfort Level | EMS Consulting | Reports

Control Solution with MULTI V *i*

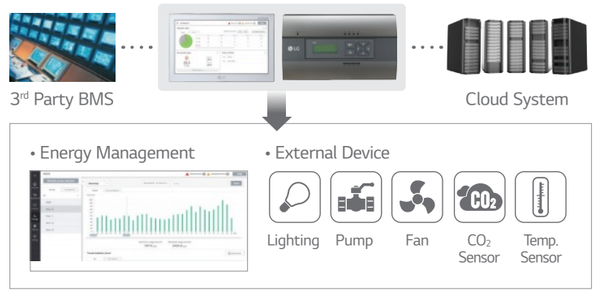
LG MULTI V *i* offers diverse range of effective control solutions that satisfy specific needs of each building and its user scene.

Hotel Room Solution

Application : Hotel, Resort, and etc.

Central Control Solution

Application : Office, Hospital, Hotel, Education, Retail, Dormitory, Shopping Mall, and etc.



Power Distribution Solution

Application : Apartment, Studio, Office, Retail Complex, Office Complex, and etc.

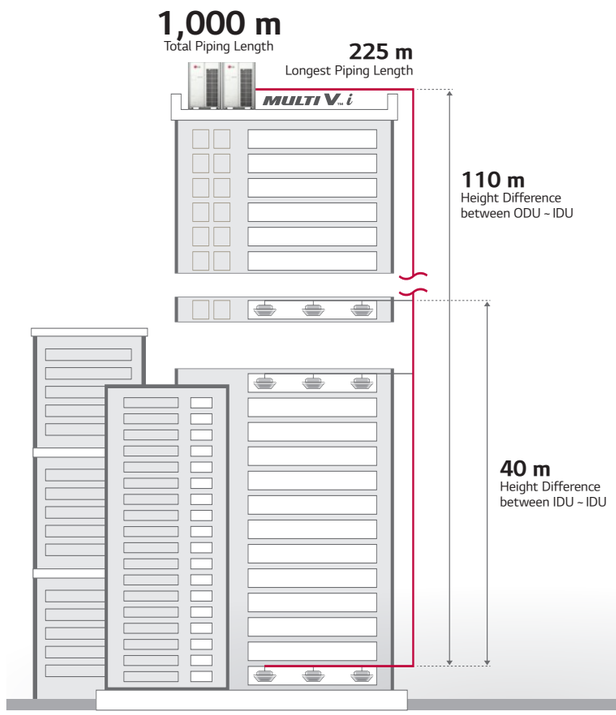
Individual Control Solution

Application : All

Small Central Control Solution

Application : Small Office, Education, Retail, and etc.

Total Piping Length



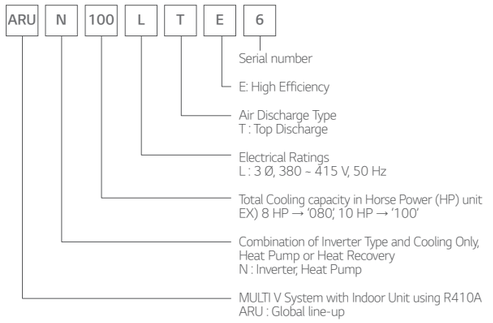
Total Piping Length	1,000 m
Actual longest piping length (Equivalent)	200 m (225 m)
Longest piping length after 1st branch (Conditional application)	40 m (90 m)
Max. Height difference between ODU ~ IDU	110 m
Max. Height difference between IDU ~ IDU	40 m
Max. Height difference between Indoor Units	5 m

AI Function Application

Category	Sub Category	Tool	AI Function (IDU)						AI Function (ODU)	
			AI Smart Care	AI Indoor Space Care	AI Smart Metering	AI Energy Management	Noise Target Control	AccuWeather Interlocking Control	Smart Diagnosis	Big Capacity Black Box
Cassette	1 Way	TU / TT	●	●	●	●	●	●	●	●
	2 Way	TS	●	●	●	●	●	●	●	●
	Dual Vane 4 Way	TM-A / TP-B	●	●	●	●	●	●	●	●
	Round	TY	●	●	●	●	●	●	●	●
	Mini 4 Way	TQ / TR	●	●	●	●	●	●	●	●
Duct	Low Static	L1 / L2 / L3	●	X	●	●	●	●	●	●
	High Static	B8	●	X	●	●	●	●	●	●
	Mid Static	M1 / M2 / M3	●	X	●	●	●	●	●	●
Floor Standing		CE / CF	●	●	●	●	●	●	●	●
Convertible*	Ceiling Suspended	VM1 / VM2	●	●	●	●	●	●	●	●
	Ceiling & Floor	VE	●	●	●	●	●	●	●	●
Console*		QA	●	●	●	●	●	●	●	●
Floor Standing (PAC)*		PT3, PF2	●	X	●	●	●	●	●	●
Wall Mounted*	Standard	SJ / SK / SR	●	●	●	●	●	●	●	●

* These will be available from '24, August. These may be changed without notification.

Nomenclature

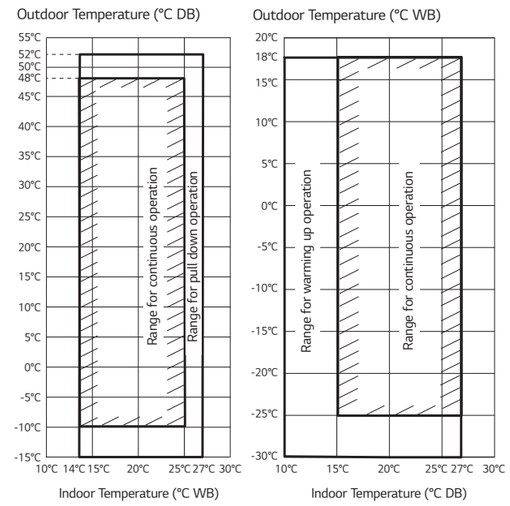


Outdoor Units Function

Category	Functions	Value
Reliability	Defrost / Deicing	○
	High Pressure Switch	○
	Phase Protection	○
	Restart Delay (3-minutes)	○
	Self Diagnosis	○
	Soft Start	○
	Compressor Balanced Operation	○
Convenience	Test Function	○
	Night Low Noise Operation	○
	Peak Control	○
	Mode Lock	○
	SLC (Smart Load Control)	○ (Advanced)
	Linear Bypass Cycle	X
	Noise Target Control	○
	Weather Information Interlocking Control	○
Special Functions	Comfort Cooling	○
	ODU Dry Contact Function	○
	High Static Pressure Compensation	○
	Continuous Cooling	○
	Continuous Heating (Partial Defrost)	X
	Convenient Energy Check	○
	Automatic Tuning Upgrade	○
	Remote Software Upgrade	○
	AI Smart Care	○
	AI Indoor Space Care	○
	AI Energy Target Control	○
	AI Smart Diagnosis	○

O : Applied, X : Not applied
AI function is applied to the specific indoor unit.
Refer to above 'AI function application' information.

Cooling / Heating Operation

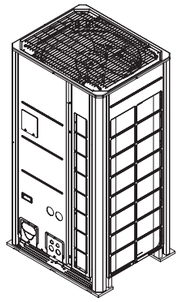


Note
1. These figures assume the following operating conditions
   : Equivalent piping length is standard condition, and level difference is 0 m.
2. Range of pull down operation: If the relative humidity is too high, cooling capacity can be decreased by the sensible heat reduction.
3. Warming up operation means that the outdoor (outside) unit operates to reach the range of continuous operating, however it may not operate continuously due to safety or protection logic.

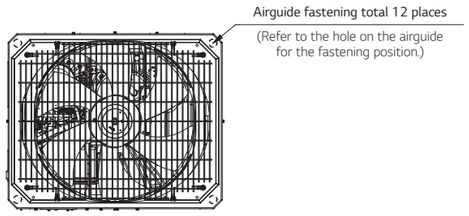
ARUN080LTE6 / ARUN100LTE6
ARUN120LTE6

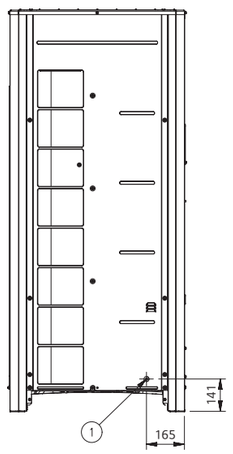
[Unit : mm]

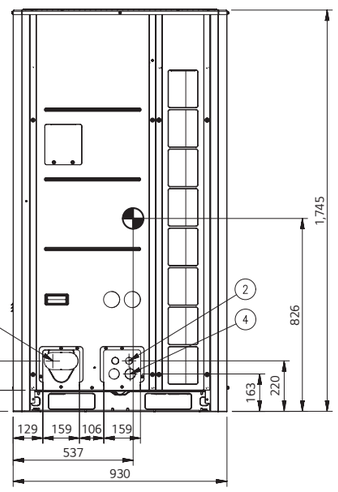
No.	Part Name	Description
1	Leakage test hole (Side)	Ø 22.2
2	Wire routing hole (Front)	2-Ø 30
3	Wire routing hole (Bottom)	2-Ø 22.2
4	Power cord routing hole (Front)	2-Ø 45
5	Power cord routing hole (Bottom)	2-Ø 50
6	Pipe routing hole (Front)	-
7	Pipe routing hole (Bottom)	-

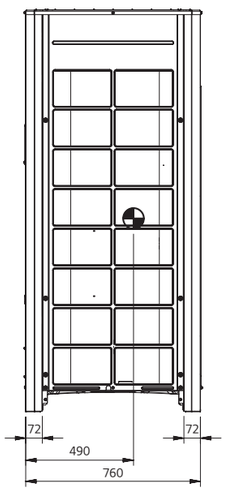


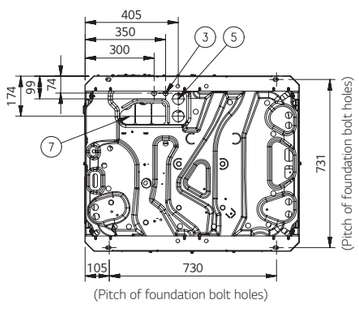
3D View







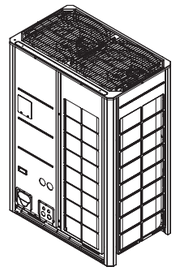




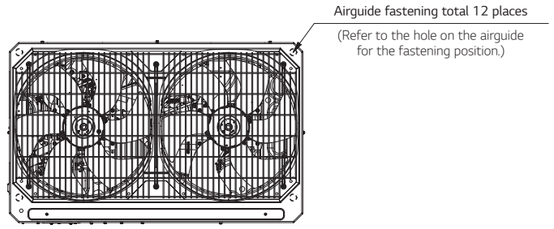
ARUN140LTE6 / ARUN160LTE6
ARUN180LTE6 / ARUN200LTE6
ARUN220LTE6 / ARUN240LTE6
ARUN260LTE6

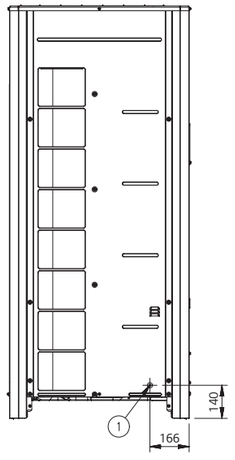
[Unit : mm]

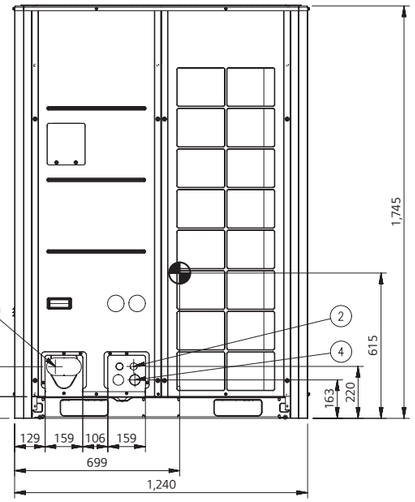
No.	Part Name	Description
1	Leakage test hole (Side)	Ø 22.2
2	Wire routing hole (Front)	2-Ø 30
3	Wire routing hole (Bottom)	2-Ø 22.2
4	Power cord routing hole (Front)	2-Ø 45
5	Power cord routing hole (Bottom)	2-Ø 50
6	Pipe routing hole (Front)	-
7	Pipe routing hole (Bottom)	-

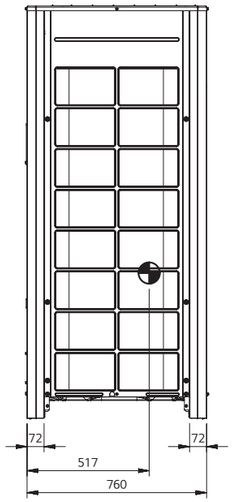


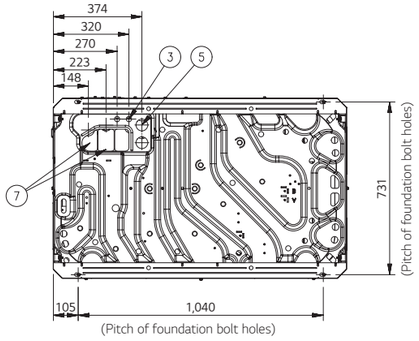
3D View











ARUN080LTE6 / ARUN100LTE6 / ARUN120LTE6
ARUN140LTE6 / ARUN160LTE6

HP			8	10	12	14	16
Classification	Chassis	-	UXA	UXA	UXA	UXB	UXB
	Combination Unit	-	ARUN080LTE6	ARUN100LTE6	ARUN120LTE6	ARUN140LTE6	ARUN160LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	22.40	28.00	33.60	39.20	44.80
	Rated	Btu/h	76,400	95,500	114,600	133,800	152,900
Heating Capacity	Rated	kW	25.20	31.50	37.80	44.10	50.40
	Rated	Btu/h	86,000	107,500	129,000	150,500	172,000
Power Input (Cooling)	Rated	kW	4.39	5.70	7.37	8.55	10.08
Power Input (Heating)	Rated	kW	4.67	5.78	7.60	9.30	10.80
Efficiency	EER (Cooling COP)	W/W	5.10	4.91	4.56	4.58	4.44
	COP (Rated)	W/W	5.40	5.45	4.97	4.74	4.67
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	220 × 1	220 × 1	220 × 1	320 × 1	320 × 1
	Max. External Static Pressure	Pa	80	80	80	80	80
	Discharge Direction (Side / Top)		TOP	TOP	TOP	TOP	TOP
Outdoor Fan Motor	Drive	-	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Output	W x No.	1,200 × 1	1,200 × 1	1,200 × 1	900 × 2	900 × 2
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1	62.1	62.1	62.1	62.1
	Number of Revolution	rev./min	3,600	3,600	3,600	3,600	3,600
	Motor Output	W x No.	5,300 × 1	5,300 × 1	5,300 × 1	5,300 × 1	5,300 × 1
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	930 x 1,745 x 760	930 x 1,745 x 760	930 x 1,745 x 760	1,240 x 1,745 x 760	1,240 x 1,745 x 760
	Shipping (W x H x D)	mm	965 x 1,919 x 802	965 x 1,919 x 802	965 x 1,919 x 802	1,282 x 1,919 x 802	1,282 x 1,919 x 802
Weight	Net	kg	201.0	201.0	201.0	217.0	217.0
	Shipping	kg	211.0	211.0	211.0	230.0	230.0
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	9.0	9.0	9.0	11.0	11.0
	t-CO_2 eq.	-	18.788	18.788	18.788	22.963	22.963
	Control Type	-	EEV	EEV	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 9.52(3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Gas	mm (inch)	Ø 19.05 (3/4)	Ø 22.2 (7/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	57.0 / 58.0	57.5 / 58.5	59.0 / 60.0	60.0 / 61.0	60.5 / 61.5
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	78.0 / 78.0	78.0 / 79.0	79.0 / 80.0	82.0 / 83.0	83.0 / 85.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	13 (20)	16 (25)	20 (30)	23 (35)	26 (40)

ARUN180LTE6 / ARUN200LTE6 / ARUN220LTE6
ARUN240LTE6 / ARUN260LTE6

HP			18	20	22	24	26
Classification	Chassis	-	UXB	UXB	UXB	UXB	UXB
	Combination Unit	-	ARUN180LTE6	ARUN200LTE6	ARUN220LTE6	ARUN240LTE6	ARUN260LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	50.40	56.00	61.60	67.20	72.80
	Rated	Btu/h	172,000	191,100	210,200	229,300	248,400
Heating Capacity	Rated	kW	56.70	63.00	69.30	74.30	74.30
	Rated	Btu/h	193,500	215,000	236,500	253,400	253,400
Power Input (Cooling)	Rated	kW	10.40	11.72	14.10	15.90	18.67
Power Input (Heating)	Rated	kW	11.20	14.60	16.70	18.00	18.30
Efficiency	EER (Cooling COP)	W/W	4.85	4.78	4.37	4.23	3.90
	COP (Rated)	W/W	5.06	4.32	4.15	4.13	4.06
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	320 × 1	320 × 1	320 × 1	320 × 1	320 × 1
	Max. External Static Pressure	Pa	80	80	80	80	80
	Discharge Direction (Side / Top)		TOP	TOP	TOP	TOP	TOP
Outdoor Fan Motor	Drive	-	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Output	W x No.	900 × 2	900 × 2	900 × 2	900 × 2	900 × 2
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 × 2	62.1 × 2	62.1 × 2	62.1 × 2	62.1 × 2
	Number of Revolution	rev./min	3,600 × 2	3,600 × 2	3,600 × 2	3,600 × 2	3,600 × 2
	Motor Output	W x No.	5,300 × 2	5,300 × 2	5,300 × 2	5,300 × 2	5,300 × 2
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	1,240 x 1,745 x 760	1,240 x 1,745 x 760	1,240 x 1,745 x 760	1,240 x 1,745 x 760	1,240 x 1,745 x 760
	Shipping (W x H x D)	mm	1,282 x 1,919 x 802	1,282 x 1,919 x 802	1,282 x 1,919 x 802	1,282 x 1,919 x 802	1,282 x 1,919 x 802
Weight	Net	kg	263.0	263.0	283.0	283.0	283.0
	Shipping	kg	276.0	276.0	296.0	296.0	296.0
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	13.0	13.0	16.0	16.0	16.0
	t-CO_2 eq.	-	27.138	27.138	33.400	33.400	33.400
	Control Type	-	EEV	EEV	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
	Gas	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	61.0 / 62.0	62.0 / 63.5	64.5 / 64.5	65.0 / 66.0	65.0 / 66.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	85.0 / 86.0	86.0 / 87.0	86.0 / 88.0	88.0 / 89.0	88.0 / 89.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	29 (45)	32 (50)	35 (56)	39 (61)	42 (64)

ARUN280LTE6 / ARUN300LTE6 / ARUN320LTE6
ARUN340LTE6 / ARUN360LTE6

HP			28	30	32	34	36
Classification	Chassis	-	UXB + UXA	UXB + UXA	UXB + UXA	UXB + UXA	UXB + UXA
	Combination Unit	-	ARUN160LTE6 ARUN120LTE6	ARUN180LTE6 ARUN120LTE6	ARUN200LTE6 ARUN120LTE6	ARUN220LTE6 ARUN120LTE6	ARUN240LTE6 ARUN120LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	78.4	84.0	89.6	95.2	100.8
	Rated	Btu/h	267,500	286,600	305,700	324,800	343,900
Heating Capacity	Rated	kW	88.2	94.5	100.8	107.1	112.1
	Rated	Btu/h	301,000	322,500	344,000	365,500	382,400
Power Input (Cooling)	Rated	kW	17.45	17.77	19.09	21.47	23.27
Power Input (Heating)	Rated	kW	18.40	18.80	22.20	24.30	25.60
Efficiency	EER (Cooling COP)	W/W	4.49	4.73	4.69	4.43	4.33
	COP (Rated)	W/W	4.79	5.03	4.54	4.41	4.38
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (220 × 1)	(320 × 1) + (220 × 1)	(320 × 1) + (220 × 1)	(320 × 1) + (220 × 1)	(320 × 1) + (220 × 1)
	Max. External Static Pressure	Pa	80	80	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 2	62.1 x 3	62.1 x 3	62.1 x 3	62.1 x 3
	Number of Revolution	rev./min	3,600 x 2	3,600 x 3	3,600 x 3	3,600 x 3	3,600 x 3
	Motor Output	W x No.	5,300 x 2	5,300 x 3	5,300 x 3	5,300 x 3	5,300 x 3
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	((1,240 x 1,745 x 760) x 1) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 1) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 1) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 1) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 1) + ((930 x 1,745 x 760) x 1)
	Shipping (W x H x D)	mm	((1,282 x 1,919 x 802) x 1) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 1) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 1) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 1) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 1) + ((965 x 1,919 x 802) x 1)
Weight	Net	kg	217 + 201	263 + 201	263 + 201	283 + 201	283 + 201
	Shipping	kg	230 + 211	276 + 211	276 + 211	296 + 211	296 + 211
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	20.0	22.0	22.0	25.0	25.0
	t-CO_2 eq.	-	41.750	45.925	45.925	52.188	52.188
	Control Type	-	EEV	EEV	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 41.3 (1-5/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	62.8 / 63.8	63.1 / 64.1	63.8 / 65.1	65.6 / 65.8	66.0 / 67.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	84.5 / 86.2	86.0 / 87.0	86.8 / 87.8	86.8 / 88.6	88.5 / 89.5
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	45 (56)	49 (60)	52 (64)	55 (64)	58 (64)

ARUN380LTE6 / ARUN400LTE6
ARUN420LTE6

HP			38	40	42
Classification	Chassis	-	UXB + UXB	UXB + UXB	UXB + UXB
	Combination Unit	-	ARUN240LTE6 ARUN140LTE6	ARUN240LTE6 ARUN160LTE6	ARUN240LTE6 ARUN180LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	106.4	112.0	117.6
	Rated	Btu/h	363,100	382,200	401,300
Heating Capacity	Rated	kW	118.4	124.7	131.0
	Rated	Btu/h	403,900	425,400	446,900
Power Input (Cooling)	Rated	kW	24.45	25.98	26.30
Power Input (Heating)	Rated	kW	27.30	28.80	29.20
Efficiency	EER (Cooling COP)	W/W	4.35	4.31	4.47
	COP (Rated)	W/W	4.34	4.33	4.49
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1)	(320 × 1) + (320 × 1)	(320 × 1) + (320 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2)	(900 × 2) + (900 × 2)	(900 × 2) + (900 × 2)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 3	62.1 x 3	62.1 x 4
	Number of Revolution	rev./min	3,600 x 3	3,600 x 3	3,600 x 4
	Motor Output	W x No.	5,300 x 3	5,300 x 3	5,300 x 4
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	(1,240 x 1,745 x 760) x 2	(1,240 x 1,745 x 760) x 2	(1,240 x 1,745 x 760) x 2
	Shipping (W x H x D)	mm	(1,282 x 1,919 x 802) x 2	(1,282 x 1,919 x 802) x 2	(1,282 x 1,919 x 802) x 2
Weight	Net	kg	283 + 217	283 + 217	283 + 263
	Shipping	kg	296 + 230	296 + 230	296 + 276
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	27.0	27.0	29.0
	t-CO_2 eq.	-	56.363	56.363	60.538
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	66.2 / 67.2	66.3 / 67.3	66.5 / 67.5
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	89.0 / 90.0	89.2 / 90.5	89.8 / 90.8
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	61 (64)	64	64

ARUN440LTE6 / ARUN460LTE6 ARUN480LTE6

HP			44	46	48
Classification	Chassis	-	UXB + UXB	UXB + UXB	UXB + UXB
	Combination Unit	-	ARUN240LTE6 ARUN200LTE6	ARUN240LTE6 ARUN220LTE6	ARUN240LTE6 ARUN240LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	123.2	128.8	134.4
	Rated	Btu/h	420,400	439,500	458,600
Heating Capacity	Rated	kW	137.3	143.6	148.6
	Rated	Btu/h	468,400	489,900	506,800
Power Input (Cooling)	Rated	kW	27.62	30.00	31.80
Power Input (Heating)	Rated	kW	32.60	34.70	36.00
Efficiency	EER (Cooling COP)	W/W	4.46	4.29	4.23
	COP (Rated)	W/W	4.21	4.14	4.13
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1)	(320 × 1) + (320 × 1)	(320 × 1) + (320 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2)	(900 × 2) + (900 × 2)	(900 × 2) + (900 × 2)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 4	62.1 x 4	62.1 x 4
	Number of Revolution	rev./min	3,600 x 4	3,600 x 4	3,600 x 4
	Motor Output	W x No.	5,300 x 4	5,300 x 4	5,300 x 4
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	(1,240 x 1,745 x 760) x 2	(1,240 x 1,745 x 760) x 2	(1,240 x 1,745 x 760) x 2
	Shipping (W x H x D)	mm	(1,282 x 1,919 x 802) x 2	(1,282 x 1,919 x 802) x 2	(1,282 x 1,919 x 802) x 2
Weight	Net	kg	283 + 263	283 + 283	283 + 283
	Shipping	kg	296 + 276	296 + 296	296 + 296
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	29.0	32.0	32.0
	t-CO_2 eq.	-	60.538	66.800	66.800
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	66.8 / 67.9	67.8 / 68.4	68.0 / 69.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	90.1 / 91.1	90.1 / 91.5	91.0 / 92.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

ARUN500LTE6 / ARUN520LTE6 ARUN540LTE6

HP			50	52	54
Classification	Chassis	-	UXB + UXB + UXA	UXB + UXB + UXA	UXB + UXB + UXA
	Combination Unit	-	ARUN240LTE6 ARUN140LTE6 ARUN120LTE6	ARUN240LTE6 ARUN160LTE6 ARUN120LTE6	ARUN240LTE6 ARUN180LTE6 ARUN120LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	140.0	145.6	151.2
	Rated	Btu/h	477,700	496,800	515,900
Heating Capacity	Rated	kW	156.2	162.5	168.8
	Rated	Btu/h	532,900	554,400	575,900
Power Input (Cooling)	Rated	kW	31.82	33.35	33.67
Power Input (Heating)	Rated	kW	34.90	36.40	36.80
Efficiency	EER (Cooling COP)	W/W	4.40	4.37	4.49
	COP (Rated)	W/W	4.48	4.46	4.59
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1) + (220 × 1)	(320 × 1) + (320 × 1) + (220 × 1)	(320 × 1) + (320 × 1) + (220 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2) + (1,200 × 1)	(900 × 2) + (900 × 2) + (1,200 × 1)	(900 × 2) + (900 × 2) + (1,200 × 1)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 4	62.1 x 4	62.1 x 5
	Number of Revolution	rev./min	3,600 x 4	3,600 x 4	3,600 x 5
	Motor Output	W x No.	5,300 x 4	5,300 x 4	5,300 x 5
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	((1,240 x 1,745 x 760) x 2) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 2) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 2) + ((930 x 1,745 x 760) x 1)
	Shipping (W x H x D)	mm	((1,282 x 1,919 x 802) x 2) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 2) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 2) + ((965 x 1,919 x 802) x 1)
Weight	Net	kg	283 + 217 + 201	283 + 217 + 201	283 + 263 + 201
	Shipping	kg	296 + 230 + 211	296 + 230 + 211	296 + 276 + 211
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	36.0	36.0	38.0
	t-CO_2 eq.	-	75.150	75.150	79.325
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	66.9 / 68.0	67.1 / 68.1	67.2 / 68.2
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	89.4 / 90.4	89.6 / 90.8	90.1 / 91.1
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

ARUN560LTE6 / ARUN580LTE6 ARUN600LTE6

HP			56	58	60
Classification	Chassis	-	UXB + UXB + UXA	UXB + UXB + UXA	UXB + UXB + UXA
	Combination Unit	-	ARUN240LTE6 ARUN200LTE6 ARUN120LTE6	ARUN240LTE6 ARUN220LTE6 ARUN120LTE6	ARUN240LTE6 ARUN240LTE6 ARUN120LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	156.8	162.4	168.0
	Rated	Btu/h	535,000	554,100	573,200
Heating Capacity	Rated	kW	175.1	181.4	186.4
	Rated	Btu/h	597,400	618,900	635,800
Power Input (Cooling)	Rated	kW	34.99	37.37	39.17
Power Input (Heating)	Rated	kW	40.20	42.30	43.60
Efficiency	EER (Cooling COP)	W/W	4.48	4.35	4.29
	COP (Rated)	W/W	4.36	4.29	4.28
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1) + (220 × 1)	(320 × 1) + (320 × 1) + (220 × 1)	(320 × 1) + (320 × 1) + (220 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2) + (1,200 × 1)	(900 × 2) + (900 × 2) + (1,200 × 1)	(900 × 2) + (900 × 2) + (1,200 × 1)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 5	62.1 x 5	62.1 x 5
	Number of Revolution	rev./min	3,600 x 5	3,600 x 5	3,600 x 5
	Motor Output	W x No.	5,300 x 5	5,300 x 5	5,300 x 5
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	((1,240 x 1,745 x 760) x 2) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 2) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 2) + ((930 x 1,745 x 760) x 1)
	Shipping (W x H x D)	mm	((1,282 x 1,919 x 802) x 2) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 2) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 2) + ((965 x 1,919 x 802) x 1)
Weight	Net	kg	283 + 263 + 201	283 + 283 + 201	283 + 283 + 201
	Shipping	kg	296 + 276 + 211	296 + 296 + 211	296 + 296 + 211
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	38.0	41.0	41.0
	t-CO_2 eq.	-	79.325	85.588	85.588
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	67.4 / 68.6	68.3 / 68.9	68.5 / 69.5
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	90.4 / 91.4	90.4 / 91.8	91.3 / 92.3
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

ARUN620LTE6 / ARUN640LTE6 ARUN660LTE6

HP			62	64	66
Classification	Chassis	-	UXB + UXB + UXB	UXB + UXB + UXB	UXB + UXB + UXB
	Combination Unit	-	ARUN240LTE6 ARUN240LTE6 ARUN140LTE6	ARUN240LTE6 ARUN240LTE6 ARUN160LTE6	ARUN240LTE6 ARUN240LTE6 ARUN180LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	173.6	179.2	184.8
	Rated	Btu/h	592,400	611,500	630,600
Heating Capacity	Rated	kW	192.7	199.0	205.3
	Rated	Btu/h	657,300	678,800	700,300
Power Input (Cooling)	Rated	kW	40.35	41.88	42.20
Power Input (Heating)	Rated	kW	45.30	46.80	47.20
Efficiency	EER (Cooling COP)	W/W	4.30	4.28	4.38
	COP (Rated)	W/W	4.25	4.25	4.35
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1) + (320 × 1)	(320 × 1) + (320 × 1) + (320 × 1)	(320 × 1) + (320 × 1) + (320 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2) + (900 × 2)	(900 × 2) + (900 × 2) + (900 × 2)	(900 × 2) + (900 × 2) + (900 × 2)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 5	62.1 x 5	62.1 x 6
	Number of Revolution	rev./min	3,600 x 5	3,600 x 5	3,600 x 6
	Motor Output	W x No.	5,300 x 5	5,300 x 5	5,300 x 6
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	(1,240 x 1,745 x 760) x 3	(1,240 x 1,745 x 760) x 3	(1,240 x 1,745 x 760) x 3
	Shipping (W x H x D)	mm	(1,282 x 1,919 x 802) x 3	(1,282 x 1,919 x 802) x 3	(1,282 x 1,919 x 802) x 3
Weight	Net	kg	283 + 283 + 217	283 + 283 + 217	283 + 283 + 263
	Shipping	kg	296 + 296 + 230	296 + 296 + 230	296 + 296 + 276
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	43.0	43.0	45.0
	t-CO_2 eq.	-	89.763	89.763	93.938
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 53.98 (2-1/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	68.6 / 69.7	68.7 / 69.7	68.8 / 69.8
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	91.5 / 92.5	91.6 / 92.8	92.0 / 93.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

ARUN680LTE6 / ARUN700LTE6
ARUN720LTE6

HP			68	70	72
Classification	Chassis	-	UXB + UXB + UXB	UXB + UXB + UXB	UXB + UXB + UXB
	Combination Unit	-	ARUN240LTE6 ARUN240LTE6 ARUN200LTE6	ARUN240LTE6 ARUN240LTE6 ARUN220LTE6	ARUN240LTE6 ARUN240LTE6 ARUN240LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	190.4	196.0	201.6
	Rated	Btu/h	649,700	668,800	687,900
Heating Capacity	Rated	kW	211.6	217.9	222.9
	Rated	Btu/h	721,800	743,300	760,200
Power Input (Cooling)	Rated	kW	43.52	45.90	47.70
Power Input (Heating)	Rated	kW	50.60	52.70	54.00
Efficiency	EER (Cooling COP)	W/W	4.38	4.27	4.23
	COP (Rated)	W/W	4.18	4.13	4.13
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1) + (320 × 1)	(320 × 1) + (320 × 1) + (320 × 1)	(320 × 1) + (320 × 1) + (320 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2) + (900 × 2)	(900 × 2) + (900 × 2) + (900 × 2)	(900 × 2) + (900 × 2) + (900 × 2)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 6	62.1 x 6	62.1 x 6
	Number of Revolution	rev./min	3,600 x 6	3,600 x 6	3,600 x 6
	Motor Output	W x No.	5,300 x 6	5,300 x 6	5,300 x 6
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	(1,240 x 1,745 x 760) x 3	(1,240 x 1,745 x 760) x 3	(1,240 x 1,745 x 760) x 3
	Shipping (W x H x D)	mm	(1,282 x 1,919 x 802) x 3	(1,282 x 1,919 x 802) x 3	(1,282 x 1,919 x 802) x 3
Weight	Net	kg	283 + 283 + 263	283 + 283 + 283	283 + 283 + 283
	Shipping	kg	296 + 296 + 276	296 + 296 + 296	296 + 296 + 296
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	45.0	48.0	48.0
	t-CO_2 eq.	-	93.938	100.200	100.200
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	69.0 / 70.1	69.6 / 70.4	69.8 / 70.8
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	92.2 / 93.2	92.2 / 93.5	92.8 / 93.8
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

ARUN740LTE6 / ARUN760LTE6
ARUN780LTE6

HP			74	76	78
Classification	Chassis	-	UXB + UXB + UXB + UXA	UXB + UXB + UXB + UXA	UXB + UXB + UXB + UXA
	Combination Unit	-	ARUN240LTE6 ARUN240LTE6 ARUN140LTE6 ARUN120LTE6	ARUN240LTE6 ARUN240LTE6 ARUN160LTE6 ARUN120LTE6	ARUN240LTE6 ARUN240LTE6 ARUN180LTE6 ARUN120LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	207.2	212.8	218.4
	Rated	Btu/h	707,000	726,100	745,200
Heating Capacity	Rated	kW	230.5	236.8	243.1
	Rated	Btu/h	786,300	807,800	829,300
Power Input (Cooling)	Rated	kW	47.72	49.25	49.57
Power Input (Heating)	Rated	kW	52.90	54.40	54.80
Efficiency	EER (Cooling COP)	W/W	4.34	4.32	4.41
	COP (Rated)	W/W	4.36	4.35	4.44
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1) + (320 × 1) + (220 × 1)	(320 × 1) + (320 × 1) + (320 × 1) + (220 × 1)	(320 × 1) + (320 × 1) + (320 × 1) + (220 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2) + (900 × 2) + (1,200 × 1)	(900 × 2) + (900 × 2) + (900 × 2) + (1,200 × 1)	(900 × 2) + (900 × 2) + (900 × 2) + (1,200 × 1)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 6	62.1 x 6	62.1 x 7
	Number of Revolution	rev./min	3,600 x 6	3,600 x 6	3,600 x 7
	Motor Output	W x No.	5,300 x 6	5,300 x 6	5,300 x 7
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	((1,240 x 1,745 x 760) x 3) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 3) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 3) + ((930 x 1,745 x 760) x 1)
	Shipping (W x H x D)	mm	((1,282 x 1,919 x 802) x 3) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 3) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 3) + ((965 x 1,919 x 802) x 1)
Weight	Net	kg	283 + 283 + 217 + 201	283 + 283 + 217 + 201	283 + 283 + 263 + 201
	Shipping	kg	296 + 296 + 230 + 211	296 + 296 + 230 + 211	296 + 296 + 276 + 211
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	52.0	52.0	54.0
	t-CO_2 eq.	-	108.550	108.550	112.725
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	69.1 / 70.1	69.2 / 70.2	69.2 / 70.2
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	91.8 / 92.8	91.9 / 93.0	92.2 / 93.2
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

ARUN800LTE6 / ARUN820LTE6 ARUN840LTE6

HP			80	82	84
Classification	Chassis	-	UXB + UXB + UXB + UXA	UXB + UXB + UXB + UXA	UXB + UXB + UXB + UXA
	Combination Unit	-	ARUN240LTE6 ARUN240LTE6 ARUN200LTE6 ARUN120LTE6	ARUN240LTE6 ARUN240LTE6 ARUN220LTE6 ARUN120LTE6	ARUN240LTE6 ARUN240LTE6 ARUN240LTE6 ARUN120LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	224.0	229.6	235.2
	Rated	Btu/h	764,300	783,400	802,500
Heating Capacity	Rated	kW	249.4	255.7	260.7
	Rated	Btu/h	850,800	872,300	889,200
Power Input (Cooling)	Rated	kW	50.89	53.27	55.07
Power Input (Heating)	Rated	kW	58.20	60.30	61.60
Efficiency	EER (Cooling COP)	W/W	4.40	4.31	4.27
	COP (Rated)	W/W	4.29	4.24	4.23
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1) + (320 × 1) + (220 × 1)	(320 × 1) + (320 × 1) + (320 × 1) + (220 × 1)	(320 × 1) + (320 × 1) + (320 × 1) + (220 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2) + (900 × 2) + (1,200 × 1)	(900 × 2) + (900 × 2) + (900 × 2) + (1,200 × 1)	(900 × 2) + (900 × 2) + (900 × 2) + (1,200 × 1)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 7	62.1 x 7	62.1 x 7
	Number of Revolution	rev./min	3,600 x 7	3,600 x 7	3,600 x 7
	Motor Output	W x No.	5,300 x 7	5,300 x 7	5,300 x 7
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	((1,240 x 1,745 x 760) x 3) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 3) + ((930 x 1,745 x 760) x 1)	((1,240 x 1,745 x 760) x 3) + ((930 x 1,745 x 760) x 1)
	Shipping (W x H x D)	mm	((1,282 x 1,919 x 802) x 3) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 3) + ((965 x 1,919 x 802) x 1)	((1,282 x 1,919 x 802) x 3) + ((965 x 1,919 x 802) x 1)
Weight	Net	kg	283 + 283 + 263 + 201	283 + 283 + 283 + 201	283 + 283 + 283 + 201
	Shipping	kg	296 + 296 + 276 + 211	296 + 296 + 296 + 211	296 + 296 + 296 + 211
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	54.0	57.0	57.0
	t-CO_2 eq.	-	112.725	118.988	118.988
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	69.4 / 70.5	70.0 / 70.7	70.1 / 71.1
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	92.4 / 93.4	92.4 / 93.7	92.9 / 93.9
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

ARUN860LTE6 / ARUN880LTE6 ARUN900LTE6

HP			86	88	90
Classification	Chassis	-	UXB + UXB + UXB + UXB	UXB + UXB + UXB + UXB	UXB + UXB + UXB + UXB
	Combination Unit	-	ARUN240LTE6 ARUN240LTE6 ARUN240LTE6 ARUN140LTE6	ARUN240LTE6 ARUN240LTE6 ARUN240LTE6 ARUN160LTE6	ARUN240LTE6 ARUN240LTE6 ARUN240LTE6 ARUN180LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	240.8	246.4	252.0
	Rated	Btu/h	821,700	840,800	859,900
Heating Capacity	Rated	kW	267.0	273.3	279.6
	Rated	Btu/h	910,700	932,200	953,700
Power Input (Cooling)	Rated	kW	56.25	57.78	58.10
Power Input (Heating)	Rated	kW	63.30	64.80	65.20
Efficiency	EER (Cooling COP)	W/W	4.28	4.26	4.34
	COP (Rated)	W/W	4.22	4.22	4.29
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1) + (320 × 1) + (320 × 1)	(320 × 1) + (320 × 1) + (320 × 1) + (320 × 1)	(320 × 1) + (320 × 1) + (320 × 1) + (320 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2) + (900 × 2) + (900 × 2)	(900 × 2) + (900 × 2) + (900 × 2) + (900 × 2)	(900 × 2) + (900 × 2) + (900 × 2) + (900 × 2)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 7	62.1 x 7	62.1 x 8
	Number of Revolution	rev./min	3,600 x 7	3,600 x 7	3,600 x 8
	Motor Output	W x No.	5,300 x 7	5,300 x 7	5,300 x 8
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	(1,240 x 1,745 x 760) x 4	(1,240 x 1,745 x 760) x 4	(1,240 x 1,745 x 760) x 4
	Shipping (W x H x D)	mm	(1,282 x 1,919 x 802) x 4	(1,282 x 1,919 x 802) x 4	(1,282 x 1,919 x 802) x 4
Weight	Net	kg	283 + 283 + 283 + 217	283 + 283 + 283 + 217	283 + 283 + 283 + 263
	Shipping	kg	296 + 296 + 296 + 230	296 + 296 + 296 + 230	296 + 296 + 296 + 276
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	59.0	59.0	61.0
	t-CO_2 eq.	-	123.163	123.163	127.338
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	70.2 / 71.2	70.3 / 71.3	70.3 / 71.3
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	93.1 / 94.1	93.2 / 94.3	93.4 / 94.4
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

ARUN920LTE6 / ARUN940LTE6
ARUN960LTE6

HP			92	94	96
Classification	Chassis	-	UXB + UXB + UXB + UXB	UXB + UXB + UXB + UXB	UXB + UXB + UXB + UXB
	Combination Unit	-	ARUN240LTE6 ARUN240LTE6 ARUN240LTE6 ARUN200LTE6	ARUN240LTE6 ARUN240LTE6 ARUN240LTE6 ARUN220LTE6	ARUN240LTE6 ARUN240LTE6 ARUN240LTE6 ARUN240LTE6
Power Supply	Case 1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (Case 1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	Case 2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (Case 2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Cooling Capacity	Rated	kW	257.6	263.2	268.8
	Rated	Btu/h	879,000	898,100	917,200
Heating Capacity	Rated	kW	285.9	292.2	297.2
	Rated	Btu/h	975,200	996,700	1,013,600
Power Input (Cooling)	Rated	kW	59.42	61.80	63.60
Power Input (Heating)	Rated	kW	68.60	70.70	72.00
Efficiency	EER (Cooling COP)	W/W	4.34	4.26	4.23
	COP (Rated)	W/W	4.17	4.13	4.13
Power Factor (Cooling / Heating)		Rated	0.93 / 0.93	0.93 / 0.93	0.93 / 0.93
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan	Propeller Fan
	Air Flow Rate (High)	m³/min x No.	(320 × 1) + (320 × 1) + (320 × 1) + (320 × 1)	(320 × 1) + (320 × 1) + (320 × 1) + (320 × 1)	(320 × 1) + (320 × 1) + (320 × 1) + (320 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Discharge Direction (Side / Top)		Top	Top	Top
Outdoor Fan Motor	Drive	-	Direct	Direct	Direct
	Output	W x No.	(900 × 2) + (900 × 2) + (900 × 2) + (900 × 2)	(900 × 2) + (900 × 2) + (900 × 2) + (900 × 2)	(900 × 2) + (900 × 2) + (900 × 2) + (900 × 2)
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 x 8	62.1 x 8	62.1 x 8
	Number of Revolution	rev./min	3,600 x 8	3,600 x 8	3,600 x 8
	Motor Output	W x No.	5,300 x 8	5,300 x 8	5,300 x 8
	Oil Type	-	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Heat Exchanger	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	(1,240 x 1,745 x 760) x 4	(1,240 x 1,745 x 760) x 4	(1,240 x 1,745 x 760) x 4
	Shipping (W x H x D)	mm	(1,282 x 1,919 x 802) x 4	(1,282 x 1,919 x 802) x 4	(1,282 x 1,919 x 802) x 4
Weight	Net	kg	283 + 283 + 283 + 263	283 + 283 + 283 + 283	283 + 283 + 283 + 283
	Shipping	kg	296 + 296 + 296 + 276	296 + 296 + 296 + 296	296 + 296 + 296 + 296
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	61.0	64.0	64.0
	t-CO_2 eq.	-	127.338	133.600	133.600
	Control Type	-	EEV	EEV	EEV
Connecting Pipe	Liquid	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	70.4 / 71.5	70.9 / 71.7	71.0 / 72.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB (A)	93.6 / 94.6	93.6 / 94.8	94.0 / 95.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Connectable Indoor Units Number	Max. (Conditional)	EA	64	64	64

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

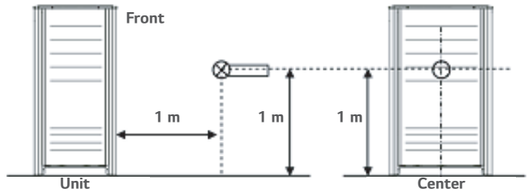
2. Capacities are based on the following conditions :
   - Cooling : Indoor 27°C DB / 19°C WB Outdoor 35°C DB / 24°C WB
   - Heating : Indoor 20°C DB / 15°C WB Outdoor 7°C DB / 6°C WB
   - Piping Length : Interconnected Pipe Length = 7.5 m
   - Elevation Difference (Outdoor ~ Indoor Unit) is 0 m.

3. Wiring cable size must comply with the applicable local and national codes.
   And "Electric characteristics" should be considered for electrical work and design.
   Especially the power cable and circuit breaker should be selected in accordance with that.

4. Power factor could vary less than ±1% according to the operating conditions.

5. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Refer to the model specifications for nominal conditions. (Power source and Ambient temperature, etc)
   Sound levels can be increased in accordance with installation and operating conditions. (Operating conditions include some functional condition like Static Pressure mode, air guide use, Room target temperature setting, etc and these functions are different in accordance with each model.)
   Sound level will vary depending on a range of factors such as the construction (Acoustic absorption coefficient) of particular room in which the equipment in installed.
   Sound values of combination model are calculated values based on sound results of independent models. Sound values can be increased owing to ambient or installation conditions during operation.

   <Measurement Scene>



※ External appearance of unit could be different by each model.

6. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard.

7. Explanation of terms
   - EER : Energy Efficiency Ratio (Cooling)
   - Cooling COP (=EER) : Coefficient Of Performance (Cooling)
   - COP : Coefficient Of Performance (Heating)
   - Heating COP : Coefficient Of Performance (Heating)

8. This product contains Fluorinated greenhouse gas. (R410A, GWP (Global warming potential) = 2,087.5)

MULTI V™ 5 PRO II

Highlight

Higher Energy Efficiency

High Reliability

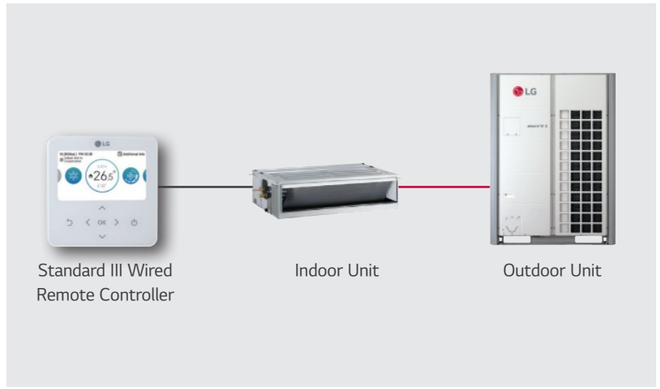
Low Noise

Advanced Performance

- Air Cooled VRF Cooling Only
- Flexible Combination of Outdoor Units
- Biggest Combination Capacity

Dual Sensing Smart Load Control

MULTI V 5 PRO II can operate by sensing indoor temperature and humidity to save energy and provide comfort.



Indoors

Temperature Humidity

+

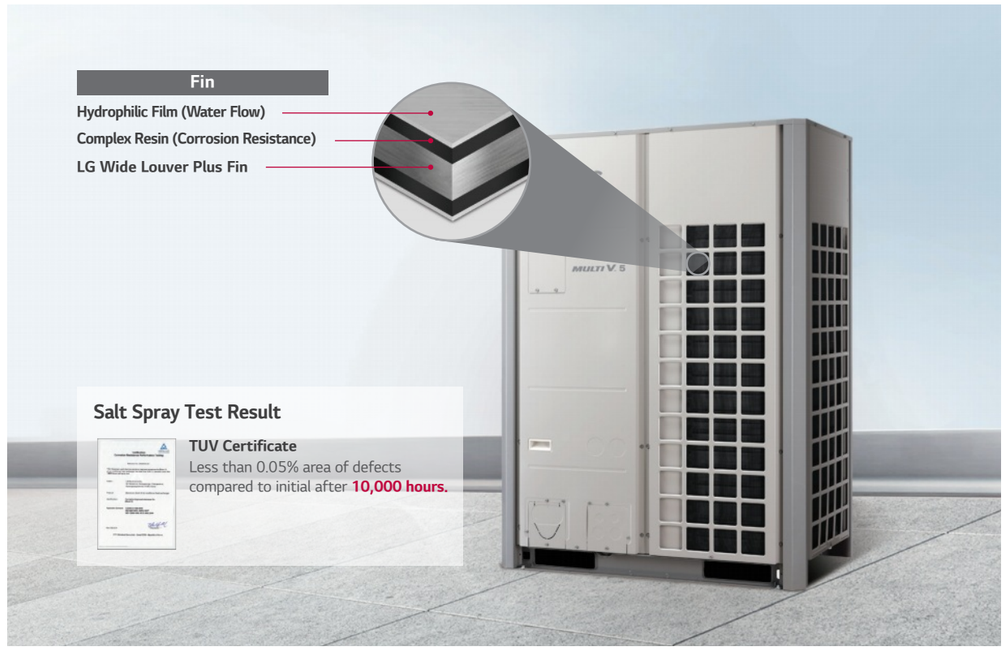
Outdoors

Temperature

※ The Standard III Wired Remote Controller is required for this function.
※ The controller is sold separately as an accessory.

Corrosion Resistance

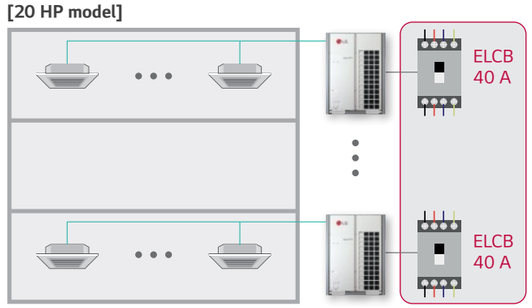
The Black Fin is applied for strong protection from various corrosive external conditions such as salt contamination and air pollution including fumes.



Low ELCB Ampere

A lower MFA value can reduce ELCB costs during product installation and system maintenance.

[20 HP model]



HP			16	20	22
MV 5 PRO II	TOCA	A	30	39	42
	MFA	A	32	40	45
Other Co.	TOCA	A	35	45	50[1)]
	MFA	A	35	45	50[1)]

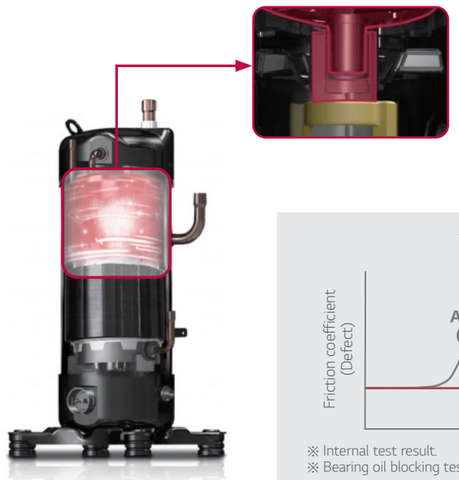
1) This model is combined with two outdoor units.
※ The above images are for easy understanding and may be exaggerated.

Reliable Inverter Compressor

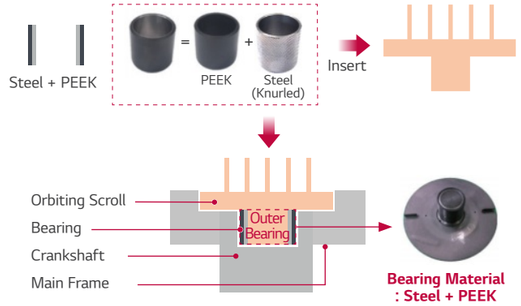
MULTI V 5 PRO II is equipped with the 5th generation compressor which has the outer bearing structure for high reliability. And the outer bearing is composed of steel and PEEK.

Enhanced Bearing Technology

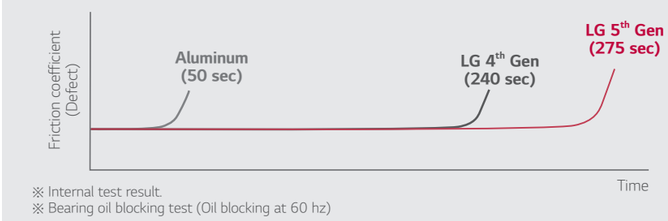
- Reduced vibration and bearing loads
  : Outer bearing structure
- High heat tolerance & high stiffness material for bearing
  : Steel (inside) + PEEK (outside)
- Increased bearing performance in oil-free operation



<5th Gen. Compressor>



<Comparison of oil-free operation time>



※ Internal test result.
※ Bearing oil blocking test (Oil blocking at 60 hz)

※ The PEEK is a semi-crystalline thermoplastic with excellent mechanical and chemical resistance properties that are retained to high temperatures.
※ The above images are for customer understanding, and may differ from the actual parts.

Wide Operation Range

MULTI V 5 PRO II is capable of continuous cooling operation in many countries thanks to its wide cooling operating range.

[Southeast Asia Region]

❶ **Yangon, Myanmar**
Max. 40.4℃DB / 28.6℃WB
Min. 13.3℃DB / 12.5℃WB

❷ **Bangkok, Thailand**
Max. 38.5℃DB / 30.9℃WB
Min. 15.0℃DB / 13.3℃WB

❸ **Vientiane, Laos**
Max. 38.9℃DB / 25.4℃WB
Min. 12.7℃DB / 11.0℃WB

❹ **Phnom Penh, Cambodia**
Max. 37.8℃DB / 25.0℃WB
Min. 20.6℃DB / 20.6℃WB

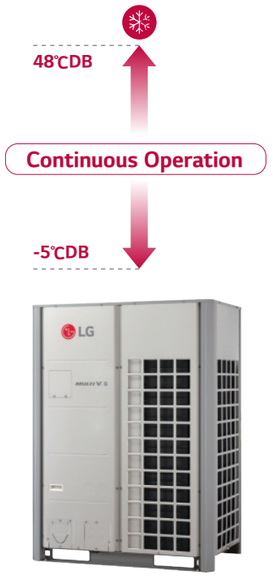
❺ **Manila, Philippines**
Max. 38.0℃DB / 32.8℃WB
Min. 20.0℃DB / 19.3℃WB

❻ **Ho Chi Minh, Vietnam**
Max. 36.7℃DB / 26.7℃WB
Min. 20.0℃DB / 20.0℃WB

❼ **Jakarta, Indonesia**
Max. 34.4℃DB / 25.0℃WB
Min. 19.4℃DB / 18.9℃WB

❽ **Singapore, Singapore**
Max. 33.8℃DB / 29.7℃WB
Min. 21.0℃DB / 21.0℃WB

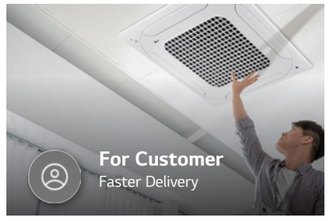
❾ **Kuala Lumpur, Malaysia**
Max. 35.8℃DB / 30.6℃WB
Min. 20.9℃DB / 20.9℃WB

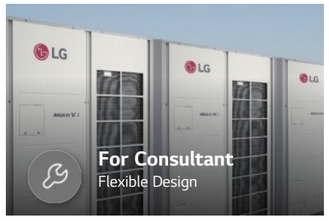


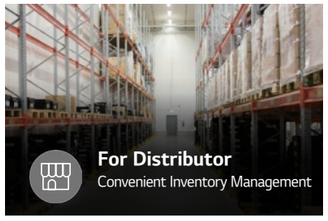
※ The source of weather data is TMY (Typical Meteorological Year) data.
The TMY data contains one year of hourly data that best represents weather conditions over many years.

Flexible Outdoor Units Combination

Flexible combination can contribute to realize faster delivery and installation. It provides more options for designing according to customers' preferences.

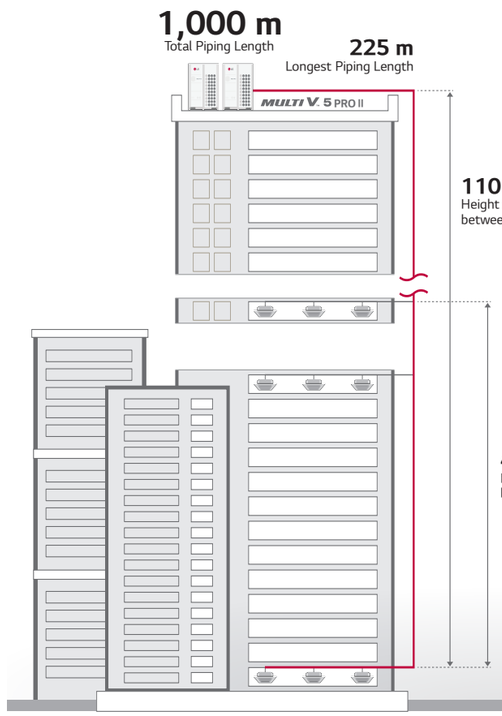






※ More detailed information can be checked in the LATS tool.

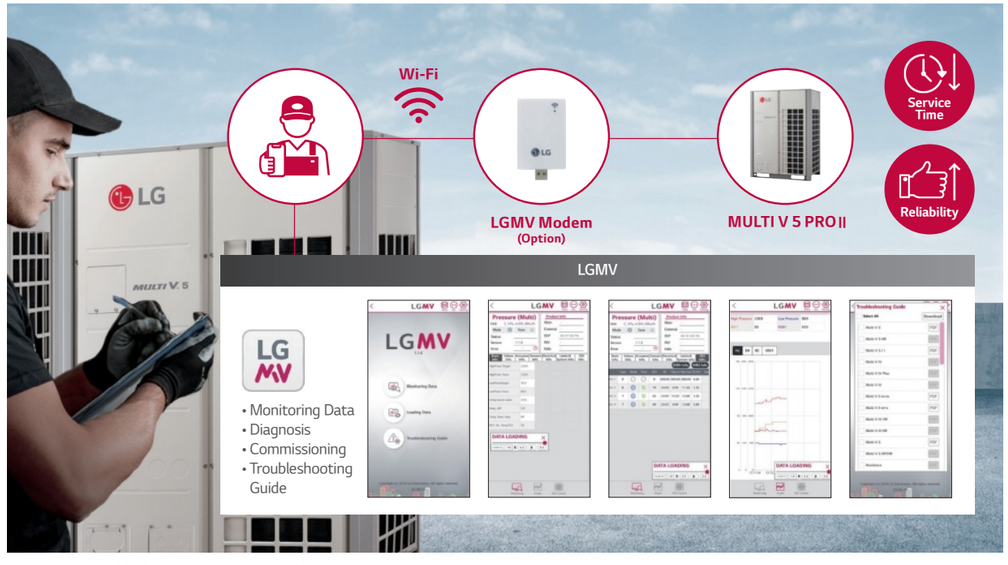
Total Piping Length



Total Piping Length	1,000 m
Actual longest piping length (Equivalent)	200 m (225 m)
Longest piping length after 1st branch (Conditional application)	40 m (90 m)
Max. Height difference between ODU ~ IDU	110 m
Max. Height difference between IDU ~ IDU	40 m
Max. Height difference between indoor units	5 m

Mobile LGMV

Installers and service engineers can monitor the status of the air conditioner and diagnose problems with their smartphone.



※ Search "Mobile LGMV" on Google market or App store then download the app.
※ The LGMV Modem is required for this function, and is sold separately as an accessory (Model Name : PLGMVW100).

ARUV081LLS5 / ARUV101LLS5
ARUV121LLS5 / ARUV141LLS5

HP			8	10	12	14
Model Name	Combination Unit		ARUV081LLS5	ARUV101LLS5	ARUV121LLS5	ARUV141LLS5
	Independent Unit		ARUV081LLS5	ARUV101LLS5	ARUV121LLS5	ARUV141LLS5
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
Input (Rated)	Cooling	kW	5.10	6.80	8.90	10.60
EER (Rated)			4.39	4.12	3.78	3.70
Power Factor	Rated		0.93	0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	62.1	62.1	62.1
	Number of Revolution	rev/min	3,600	3,600	3,600	3,600
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1	5,300 x 1
	Starting Method		Inverter	Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	1,200 x 1	1,200 x 1	1,200 x 1	1,200 x 1
	Air Flow Rate (High)	m^3/min	240	240	240	240
		ft^3/min	8,476	8,476	8,476	8,476
	Drive		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Gas Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 22.2 (7/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
Dimensions (W x H x D)		mm	(930 × 1,690 × 760)	(930 × 1,690 × 760)	(930 × 1,690 × 760)	(930 × 1,690 × 760)
		inch	(36-5/8 × 66-17/32 × 29-29/32)	(36-5/8 × 66-17/32 × 29-29/32)	(36-5/8 × 66-17/32 × 29-29/32)	(36-5/8 × 66-17/32 × 29-29/32)
Weight	Net	kg	164	164	164	180
		lbs	361.5	361.5	361.5	397
Sound Pressure Level	Cooling	dB (A)	58.0	58.0	59.0	60.0
Sound Power Level	Cooling	dB (A)	78.0	78.0	79.0	82.0
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.7	4.7	4.7	7.5
		lbs	10.36	10.36	10.36	16.53
	GWP		2,087.5	2,087.5	2,087.5	2,087.5
	t-CO_2eq		9.8	9.8	9.8	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			13 (20)	16 (25)	20 (30)	23 (35)

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV161LLS5 / ARUV181LLS5
ARUV201LLS5

HP			16	18	20
Model Name	Combination Unit		ARUV161LLS5	ARUV181LLS5	ARUV201LLS5
	Independent Unit		ARUV161LLS5	ARUV181LLS5	ARUV201LLS5
Capacity	Cooling (Rated)	kW	44.8	50.4	56.0
		Btu/h	152,900	172,000	191,100
Input (Rated)	Cooling	kW	11.90	12.30	14.10
EER (Rated)			3.76	4.10	3.97
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	87.6	87.6
	Number of Revolution	rev/min	3,600	3,600	3,600
	Motor Output x Number	W x No.	5,300 x 1	7,500 x 1	7,500 x 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m^3/min	320	320	320
		ft^3/min	11,301	11,301	11,301
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Gas Pipe	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)
		inch	(48-13/16 × 66-17/32 × 29-29/32)	(48-13/16 × 66-17/32 × 29-29/32)	(48-13/16 × 66-17/32 × 29-29/32)
Weight	Net	kg	195.5	205	221
		lbs	431	452	487
Sound Pressure Level	Cooling	dB (A)	60.5	62.0	63.0
Sound Power Level	Cooling	dB (A)	83.0	85.0	86.0
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	6.5	6.5	7.5
		lbs	14.33	14.33	16.53
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		13.6	13.6	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			26 (40)	29 (45)	32 (50)

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV221LLS5 / ARUV241LLS5
ARUV261LLS5

HP			22	24	26
Model Name	Combination Unit		ARUV221LLS5	ARUV241LLS5	ARUV261LLS5
	Independent Unit		ARUV221LLS5	ARUV241LLS5	ARUV261LLS5
Capacity	Cooling (Rated)	kW	61.6	67.2	72.8
		Btu/h	210,200	229,300	248,400
Input (Rated)	Cooling	kW	16.80	18.20	20.80
EER (Rated)			3.67	3.69	3.50
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	87.6	62.1 × 2	62.1 × 2
	Number of Revolution	rev/min	3,600	3,600 × 2	3,600 × 2
	Motor Output x Number	W x No.	7,500 × 1	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m^3/min	320	320	320
		ft^3/min	11,301	11,301	11,301
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 28.58 (1-1/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)
		inch	(48-13/16 × 66-17/32 × 29-29/32)	(48-13/16 × 66-17/32 × 29-29/32)	(48-13/16 × 66-17/32 × 29-29/32)
Weight	Net	kg	221	256.5	256.5
		lbs	487	565.5	565.5
Sound Pressure Level	Cooling	dB (A)	64.0	65.0	65.0
Sound Power Level	Cooling	dB (A)	87.0	88.0	88.0
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	7.5	11	11
		lbs	16.53	24.25	24.25
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		15.7	23.0	23.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			35 (56)	39 (61)	42 (64)

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV281LLS5 / ARUV301LLS5
ARUV321LLS5

HP			28	30	32
Model Name	Combination Unit		ARUV281LLS5	ARUV301LLS5	ARUV321LLS5
	Independent Unit		ARUV161LLS5 ARUV121LLS5	ARUV181LLS5 ARUV121LLS5	ARUV201LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	78.4	84.0	89.6
		Btu/h	267,500	286,600	305,700
Input (Rated)	Cooling	kW	20.8	21.2	23.0
EER (Rated)			3.77	3.96	3.90
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 2	(87.6 x 1) + (62.1)	(87.6 x 1) + (62.1)
	Number of Revolution	rev/min	3,600 × 2	3,600 × 2	3,600 × 2
	Motor Output x Number	W x No.	5,300 × 2	(7,500 x 1) + (5,300 x 1)	(7,500 x 1) + (5,300 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 × 2) + (1,500 x 1)	(900 × 2) + (1,500 x 1)	(900 × 2) + (1,500 x 1)
	Air Flow Rate (High)	m^3/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft^3/min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Weight	Net	kg	(195.5) + (164)	(205) + (164)	(221) + (164)
		lbs	(431) + (361.5)	(452) + (361.5)	(487) + (361.5)
Sound Pressure Level	Cooling	dB (A)	62.8	63.8	64.5
Sound Power Level	Cooling	dB (A)	84.5	86.0	86.8
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	11.2	11.2	12.2
		lbs	24.69	24.69	26.90
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		23.4	23.4	25.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			45 (56)	49 (60)	52 (64)

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV341LLS5 / ARUV361LLS5
ARUV381LLS5

HP			34	36	38
Model Name	Combination Unit		ARUV341LLS5	ARUV361LLS5	ARUV381LLS5
	Independent Unit		ARUV221LLS5 ARUV121LLS5	ARUV241LLS5 ARUV121LLS5	ARUV261LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	95.2	100.8	106.4
		Btu/h	324,800	343,900	363,000
Input (Rated)	Cooling	kW	25.7	27.1	29.7
EER (Rated)			3.70	3.72	3.58
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(87.6 x 1) + (62.1)	62.1 x 3	62.1 x 3
	Number of Revolution	rev/min	3,600 × 2	3,600 × 3	3,600 × 3
	Motor Output x Number	W x No.	(7,500 x 1) + (5,300 x 1)	5,300 × 3	5,300 × 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 × 2) + (1,500 x 1)	(900 × 2) + (1,500 x 1)	(900 × 2) + (1,500 x 1)
	Air Flow Rate (High)	m^3/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft^3/min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 34.9 (1-3/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Weight	Net	kg	(221) + (164)	(256.5) + (164)	(256.5) + (164)
		lbs	(487) + (361.5)	(565.5) + (361.5)	(565.5) + (361.5)
Sound Pressure Level	Cooling	dB (A)	65.2	66.0	66.0
Sound Power Level	Cooling	dB (A)	87.6	88.5	88.5
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	12.2	15.7	15.7
		lbs	26.90	34.61	34.61
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		25.5	32.8	32.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			55 (64)	58 (64)	61 (64)

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3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV401LLS5 / ARUV421LLS5
ARUV441LLS5

HP			40	42	44
Model Name	Combination Unit		ARUV401LLS5	ARUV421LLS5	ARUV441LLS5
	Independent Unit		ARUV261LLS5 ARUV141LLS5	ARUV261LLS5 ARUV161LLS5	ARUV261LLS5 ARUV181LLS5
Capacity	Cooling (Rated)	kW	112.0	117.6	123.2
		Btu/h	382,200	401,300	420,400
Input (Rated)	Cooling	kW	31.4	32.7	33.1
EER (Rated)			3.57	3.60	3.72
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 3	62.1 × 3	(62.1 x 2) + (87.6)
	Number of Revolution	rev/min	3,600 × 3	3,600 × 3	3,600 × 3
	Motor Output x Number	W x No.	5,300 × 3	5,300 × 3	(5,300 x 2) + (7,500 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 × 2) + (1,500 x 1)	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	(320 x 1) + (240 x 1)	320 x 2	320 x 2
		ft^3/min	(11,301 x 1) + (8,476 x 1)	11,301 x 2	11,301 x 2
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2
Weight	Net	kg	(256.5) + (180)	(256.5) + (195.5)	(256.5) + (205)
		lbs	(565.5) + (397)	(565.5) + (431)	(565.5) + (452)
Sound Pressure Level	Cooling	dB (A)	66.2	66.3	66.8
Sound Power Level	Cooling	dB (A)	89.0	89.2	89.8
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	18.5	17.5	17.5
		lbs	40.79	38.58	38.58
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		38.6	36.5	36.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV461LLS5 / ARUV481LLS5
ARUV501LLS5

HP			46	48	50
Model Name	Combination Unit		ARUV461LLS5	ARUV481LLS5	ARUV501LLS5
	Independent Unit		ARUV261LLS5 ARUV201LLS5	ARUV261LLS5 ARUV221LLS5	ARUV261LLS5 ARUV241LLS5
Capacity	Cooling (Rated)	kW	128.8	134.4	140.0
		Btu/h	439,500	458,600	477,700
Input (Rated)	Cooling	kW	34.9	37.6	39.0
EER (Rated)			3.69	3.57	3.59
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 2) + (87.6)	(62.1 x 2) + (87.6)	62.1 × 4
	Number of Revolution	rev/min	3,600 × 3	3,600 × 3	3,600 × 4
	Motor Output x Number	W x No.	(5,300 x 2) + (7,500 x 1)	(5,300 x 2) + (7,500 x 1)	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 x 2	320 x 2	320 x 2
		ft^3/min	11,301 x 2	11,301 x 2	11,301 x 2
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2
Weight	Net	kg	(256.5) + (221)	(256.5) + (221)	(256.5) + (256.5)
		lbs	(565.5) + (487)	(565.5) + (487)	(565.5) + (565.5)
Sound Pressure Level	Cooling	dB (A)	67.1	67.5	68.0
Sound Power Level	Cooling	dB (A)	90.1	90.5	91.0
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	18.5	18.5	22.0
		lbs	40.79	40.79	48.50
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		38.6	38.6	45.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV521LLS5 / ARUV541LLS5
ARUV561LLS5

HP			52	54	56
Model Name	Combination Unit		ARUV521LLS5	ARUV541LLS5	ARUV561LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5	ARUV261LLS5 ARUV161LLS5 ARUV121LLS5	ARUV261LLS5 ARUV181LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	145.6	151.2	156.8
		Btu/h	496,800	515,900	535,000
Input (Rated)	Cooling	kW	41.6	41.6	42.0
EER (Rated)			3.50	3.63	3.73
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 4	62.1 × 4	(62.1 x 3) + (87.6)
	Number of Revolution	rev/min	3,600 × 4	3,600 × 4	3,600 × 4
	Motor Output x Number	W x No.	5,300 × 4	5,300 × 4	(5,300 x 3) + (7,500 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 4	(900 × 4) + (1,500 x 1)	(900 × 4) + (1,500 x 1)
	Air Flow Rate (High)	m^3/min	320 x 2	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)
		ft^3/min	11,301 x 2	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 2 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Weight	Net	kg	(256.5) + (256.5)	(256.5) + (195.5) + (164)	(256.5) + (205) + (164)
		lbs	(565.5) + (565.5)	(565.5) + (431) + (361.5)	(565.5) + (452) + (361.5)
Sound Pressure Level	Cooling	dB (A)	68.0	67.1	67.4
Sound Power Level	Cooling	dB (A)	91.0	89.6	90.1
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	22.0	22.2	22.2
		lbs	48.50	48.94	48.94
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		45.9	46.3	46.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV581LLS5 / ARUV601LLS5
ARUV621LLS5

HP			58	60	62
Model Name	Combination Unit		ARUV581LLS5	ARUV601LLS5	ARUV621LLS5
	Independent Unit		ARUV261LLS5 ARUV201LLS5 ARUV121LLS5	ARUV261LLS5 ARUV221LLS5 ARUV121LLS5	ARUV261LLS5 ARUV241LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	162.4	168.0	173.6
		Btu/h	554,100	573,200	592,300
Input (Rated)	Cooling	kW	43.8	46.5	47.9
EER (Rated)			3.71	3.61	3.62
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 3) + (87.6)	(62.1 x 3) + (87.6)	62.1 × 5
	Number of Revolution	rev/min	3,600 × 4	3,600 × 4	3,600 × 5
	Motor Output x Number	W x No.	(5,300 x 3) + (7,500 x 1)	(5,300 x 3) + (7,500 x 1)	5,300 × 5
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 × 4) + (1,500 x 1)	(900 × 4) + (1,500 x 1)	(900 × 4) + (1,500 x 1)
	Air Flow Rate (High)	m^3/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)
		ft^3/min	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 2 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 2 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 2 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Weight	Net	kg	(256.5) + (221) + (164)	(256.5) + (221) + (164)	(256.5) + (256.5) + (164)
		lbs	(565.5) + (487) + (361.5)	(565.5) + (487) + (361.5)	(565.5) + (565.5) + (361.5)
Sound Pressure Level	Cooling	dB (A)	67.7	68.1	68.5
Sound Power Level	Cooling	dB (A)	90.4	90.8	91.3
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	23.2	23.2	26.7
		lbs	51.15	51.15	58.86
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		48.4	48.4	55.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV641LLS5 / ARUV661LLS5
ARUV681LLS5

HP			64	66	68
Model Name	Combination Unit		ARUV641LLS5	ARUV661LLS5	ARUV681LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV141LLS5	ARUV261LLS5 ARUV261LLS5 ARUV161LLS5
Capacity	Cooling (Rated)	kW	179.2	184.8	190.4
		Btu/h	611,400	630,600	649,700
Input (Rated)	Cooling	kW	50.5	52.2	53.5
EER (Rated)			3.55	3.54	3.56
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 5	62.1 × 5	62.1 × 5
	Number of Revolution	rev/min	3,600 × 5	3,600 × 5	3,600 × 5
	Motor Output x Number	W x No.	5,300 × 5	5,300 × 5	5,300 × 5
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 × 4) + (1,500 x 1)	(900 × 4) + (1,500 x 1)	900 × 6
	Air Flow Rate (High)	m^3/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	320 x 3
		ft^3/min	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)	11,301 x 3
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 2 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 2 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3
Weight	Net	kg	(256.5) + (256.5) + (164)	(256.5) + (256.5) + (180)	(256.5) + (256.5) + (195.5)
		lbs	(565.5) + (565.5) + (361.5)	(565.5) + (565.5) + (397)	(565.5) + (565.5) + (431)
Sound Pressure Level	Cooling	dB (A)	68.5	68.6	68.7
Sound Power Level	Cooling	dB (A)	91.3	91.5	91.6
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	26.7	29.5	28.5
		lbs	58.86	65.04	62.83
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		55.7	61.6	59.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV701LLS5 / ARUV721LLS5
ARUV741LLS5

HP			70	72	74
Model Name	Combination Unit		ARUV701LLS5	ARUV721LLS5	ARUV741LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV181LLS5	ARUV261LLS5 ARUV261LLS5 ARUV201LLS5	ARUV261LLS5 ARUV261LLS5 ARUV221LLS5
Capacity	Cooling (Rated)	kW	196.0	201.6	207.2
		Btu/h	668,800	687,900	707,000
Input (Rated)	Cooling	kW	53.9	55.7	58.4
EER (Rated)			3.64	3.62	3.55
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 4) + (87.6)	(62.1 x 4) + (87.6)	(62.1 x 4) + (87.6)
	Number of Revolution	rev/min	3,600 × 5	3,600 × 5	3,600 × 5
	Motor Output x Number	W x No.	(5,300 x 4) + (7,500 x 1)	(5,300 x 4) + (7,500 x 1)	(5,300 x 4) + (7,500 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 x 3	320 x 3	320 x 3
		ft^3/min	11,301 x 3	11,301 x 3	11,301 x 3
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 3	(1,240 × 1,690 × 760) x 3	(1,240 × 1,690 × 760) x 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 3	(48-13/16 × 66-17/32 × 29-29/32) x 3	(48-13/16 × 66-17/32 × 29-29/32) x 3
Weight	Net	kg	(256.5) + (256.5) + (205)	(256.5) + (256.5) + (221)	(256.5) + (256.5) + (221)
		lbs	(565.5) + (565.5) + (452)	(565.5) + (565.5) + (487)	(565.5) + (565.5) + (487)
Sound Pressure Level	Cooling	dB (A)	69.0	69.2	69.5
Sound Power Level	Cooling	dB (A)	92.0	92.2	92.5
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	28.5	29.5	29.5
		lbs	62.83	65.04	65.04
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		59.5	61.6	61.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV761LLS5 / ARUV781LLS5
ARUV801LLS5

HP			76	78	80
Model Name	Combination Unit		ARUV761LLS5	ARUV781LLS5	ARUV801LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV241LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5	ARUV261LLS5 ARUV261LLS5 ARUV161LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	212.8	218.4	224.0
		Btu/h	726,100	745,200	764,300
Input (Rated)	Cooling	kW	59.8	62.4	62.4
EER (Rated)			3.56	3.50	3.59
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 6	62.1 × 6	62.1 × 6
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6	3,600 × 6
	Motor Output x Number	W x No.	5,300 × 6	5,300 × 6	5,300 × 6
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 6	900 × 6	(900 × 6) + (1,500 x 1)
	Air Flow Rate (High)	m^3/min	320 x 3	320 x 3	(320 x 3) + (240 x 1)
		ft^3/min	11,301 x 3	11,301 x 3	(11,301 x 3) + (8,476 x 1)
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 3	(1,240 × 1,690 × 760) x 3	(1,240 × 1,690 × 760) x 3 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 3	(48-13/16 × 66-17/32 × 29-29/32) x 3	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Weight	Net	kg	(256.5) + (256.5) + (256.5)	(256.5) + (256.5) + (256.5)	(256.5) + (256.5) + (195.5) + (164)
		lbs	(565.5) + (565.5) + (565.5)	(565.5) + (565.5) + (565.5)	(565.5) + (565.5) + (431) + (361.5)
Sound Pressure Level	Cooling	dB (A)	69.8	69.8	69.2
Sound Power Level	Cooling	dB (A)	92.8	92.8	91.9
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.0	33.0	33.2
		lbs	72.75	72.75	73.19
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		68.9	68.9	69.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV821LLS5 / ARUV841LLS5
ARUV861LLS5

HP			82	84	86
Model Name	Combination Unit		ARUV821LLS5	ARUV841LLS5	ARUV861LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV181LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV201LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV221LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	229.6	235.2	240.8
		Btu/h	783,400	802,500	821,600
Input (Rated)	Cooling	kW	62.8	64.6	67.3
EER (Rated)			3.66	3.64	3.58
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	(62.1 x 5) + (87.6)	(62.1 x 5) + (87.6)	(62.1 x 5) + (87.6)
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6	3,600 × 6
	Motor Output x Number	W x No.	(5,300 x 5) + (7,500 x 1)	(5,300 x 5) + (7,500 x 1)	(5,300 x 5) + (7,500 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 × 6) + (1,500 x 1)	(900 × 6) + (1,500 x 1)	(900 × 6) + (1,500 x 1)
	Air Flow Rate (High)	m³/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)
		ft³/min	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 3 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 3 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 3 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Weight	Net	kg	(256.5) + (256.5) + (205) + (164)	(256.5) + (256.5) + (221) + (164)	(256.5) + (256.5) + (221) + (164)
		lbs	(565.5) + (565.5) + (452) + (361.5)	(565.5) + (565.5) + (487) + (361.5)	(565.5) + (565.5) + (487) + (361.5)
Sound Pressure Level	Cooling	dB (A)	69.4	69.6	69.8
Sound Power Level	Cooling	dB (A)	92.2	92.4	92.7
Communication Cable		No. x mm² (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.2	34.2	34.2
		lbs	73.19	75.40	75.40
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		69.3	71.4	71.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV881LLS5 / ARUV901LLS5
ARUV921LLS5

HP			88	90	92
Model Name	Combination Unit		ARUV881LLS5	ARUV901LLS5	ARUV921LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV241LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV141LLS5
Capacity	Cooling (Rated)	kW	246.4	252.0	257.6
		Btu/h	840,700	859,800	879,000
Input (Rated)	Cooling	kW	68.7	71.3	73.0
EER (Rated)			3.59	3.53	3.53
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm³/rev	62.1 × 7	62.1 × 7	62.1 × 7
	Number of Revolution	rev/min	3,600 × 7	3,600 × 7	3,600 × 7
	Motor Output x Number	W x No.	5,300 × 7	5,300 × 7	5,300 × 7
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 × 6) + (1,500 x 1)	(900 × 6) + (1,500 x 1)	(900 × 6) + (1,500 x 1)
	Air Flow Rate (High)	m³/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)
		ft³/min	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 3 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 3 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 3 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Weight	Net	kg	(256.5) + (256.5) + (256.5) + (164)	(256.5) + (256.5) + (256.5) + (164)	(256.5) + (256.5) + (256.5) + (180)
		lbs	(565.5) + (565.5) + (565.5) + (361.5)	(565.5) + (565.5) + (565.5) + (361.5)	(565.5) + (565.5) + (565.5) + (397)
Sound Pressure Level	Cooling	dB (A)	70.1	70.1	70.2
Sound Power Level	Cooling	dB (A)	92.9	92.9	93.1
Communication Cable		No. x mm² (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	37.7	37.7	40.5
		lbs	83.11	83.11	89.29
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		78.7	78.7	84.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

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5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV941LLS5 / ARU961LLS5
ARUV981LLS5

HP			94	96	98
Model Name	Combination Unit		ARUV941LLS5	ARUV961LLS5	ARUV981LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV161LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV181LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV201LLS5
Capacity	Cooling (Rated)	kW	263.2	268.8	274.4
		Btu/h	898,100	917,200	936,300
Input (Rated)	Cooling	kW	74.3	74.7	76.5
EER (Rated)			3.54	3.60	3.59
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 7	(62.1 x 6) + (87.6)	(62.1 x 6) + (87.6)
	Number of Revolution	rev/min	3,600 × 7	3,600 × 7	3,600 × 7
	Motor Output x Number	W x No.	5,300 × 7	(5,300 x 6) + (7,500 x 1)	(5,300 x 6) + (7,500 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 x 4	320 x 4	320 x 4
		ft^3/min	11,301 x 4	11,301 x 4	11,301 x 4
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 4	(1,240 × 1,690 × 760) x 4	(1,240 × 1,690 × 760) x 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 4	(48-13/16 × 66-17/32 × 29-29/32) x 4	(48-13/16 × 66-17/32 × 29-29/32) x 4
Weight	Net	kg	(256.5) + (256.5) + (256.5) + (195.5)	(256.5) + (256.5) + (256.5) + (205)	(256.5) + (256.5) + (256.5) + (221)
		lbs	(565.5) + (565.5) + (565.5) + (431)	(565.5) + (565.5) + (565.5) + (452)	(565.5) + (565.5) + (565.5) + (487)
Sound Pressure Level	Cooling	dB (A)	70.3	70.4	70.6
Sound Power Level	Cooling	dB (A)	93.2	93.4	93.6
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	39.5	39.5	40.5
		lbs	87.08	87.08	89.29
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		82.5	82.5	84.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
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5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV1001LLS5 / ARUV1021LLS5
ARUV1041LLS5

HP			100	102	104
Model Name	Combination Unit		ARUV1001LLS5	ARUV1021LLS5	ARUV1041LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV221LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV241LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV261LLS5
Capacity	Cooling (Rated)	kW	280.0	285.6	291.2
		Btu/h	955,400	974,500	993,600
Input (Rated)	Cooling	kW	79.2	80.6	83.2
EER (Rated)			3.54	3.54	3.50
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 6) + (87.6)	62.1 × 8	62.1 × 8
	Number of Revolution	rev/min	3,600 × 7	3,600 × 8	3,600 × 8
	Motor Output x Number	W x No.	(5,300 x 6) + (7,500 x 1)	5,300 × 8	5,300 × 8
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 x 4	320 x 4	320 x 4
		ft^3/min	11,301 x 4	11,301 x 4	11,301 x 4
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 4	(1,240 × 1,690 × 760) x 4	(1,240 × 1,690 × 760) x 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 4	(48-13/16 × 66-17/32 × 29-29/32) x 4	(48-13/16 × 66-17/32 × 29-29/32) x 4
Weight	Net	kg	(256.5) + (256.5) + (256.5) + (221)	(256.5) + (256.5) + (256.5) + (256.5)	(256.5) + (256.5) + (256.5) + (256.5)
		lbs	(565.5) + (565.5) + (565.5) + (487)	(565.5) + (565.5) + (565.5) + (565.5)	(565.5) + (565.5) + (565.5) + (565.5)
Sound Pressure Level	Cooling	dB (A)	70.8	71.0	71.0
Sound Power Level	Cooling	dB (A)	93.8	94.0	94.0
Communication Cable		No. x mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	40.5	44.0	44.0
		lbs	89.29	97.00	97.00
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		84.5	91.9	91.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 ~ 415, 3, 50	380 ~ 415, 3, 50	380 ~ 415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of Maximum Connectable Indoor Units			64	64	64

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MULTI V S

Highlight

Higher Energy Efficiency

High Reliability

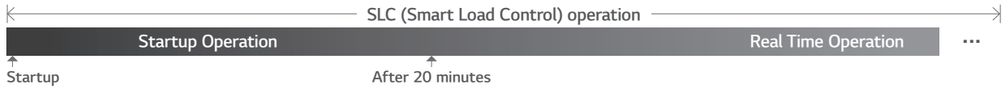
Improved Convenience

- Air Cooled VRF Heat Pump
- Side Discharge Outdoor Unit
- Residential VRF

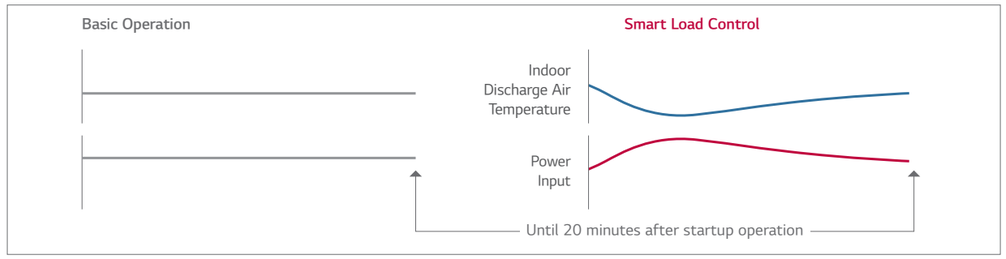
Smart Load Control Applied

Enhanced comfort and up to 23% energy savings with MULTI V load control

MULTI V S changes indoor discharge air temperature continuously according to load, to save energy.



Startup Operation

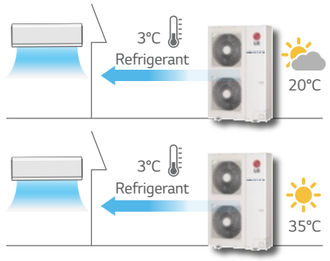


Max 10% Energy saving

※ Indoor air discharge temperature
- Energy efficiency increased by 3-step Smart Load Control during startup phase
- Discharge air temperature adjusted according to outdoor and indoor temperature
- Comfort level in cooling / heating operations ensured

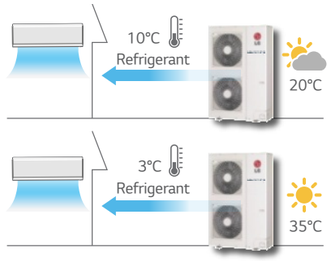
Real Time Operation

Basic Operation



Fixed refrigerant temperature

Smart Load Control



Fixed refrigerant temperature

Max 13% Energy saving

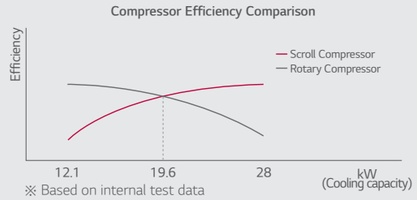
※ How to set up : By dip switch in outdoor unit (Referred to Product Data Book) factory default setting is off.
- Outdoor temperature condition : EER 100% / 75% / 50% / 25% = 35℃ (DB) / 30℃ (DB) / 25℃ (DB) / 20℃ (DB)
- Indoor temperature condition : 27℃ (DB) / 19℃ (WB)

※ Dual sensing (Temperature & humidity) smart load control is possible with remote controller.
PREMTB101 (White) / PREMTB11 (Black)

Inverter Twin Rotary & Inverter Scroll Compressor

Adapted high efficient compressor according to capacity

Inverter Twin Rotary
(12.1 kW ~ 15.5 kW)



Inverter scroll compressor
(22.4 kW ~ 33.6 kW)

Inverter Twin Rotary

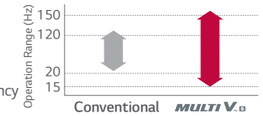
Concentrated Winding Motor
Oil path area is improved by over 50% by increasing the extra stator cavity. Due to this, caloric value of motor is reduced, improving the cooling function of stator coil.

Twin Rotary Rotor
Upper and lower part rotor offset imbalance in shaft rotor rotation. Vibration and noise is reduced. Max torque load decreased by 45% compared to single rotor.

Surface Coating
Surface coating of outstanding abrasion resistance property on vane and crank shaft.

Inverter scroll compressor

Best-in-class Compressor Speed
- Rapid response capability
- Compact core design (Concentrated motor)
- Down to 15 Hz : Part load efficiency improvement



6 Bypass Valve
Compressor reliability is maximized with 6 Bypass Valve
- Prevent compressor damage due to excessively compressed refrigerant more efficiently than 4 Bypass valve

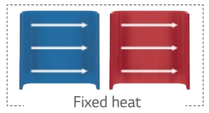
Direct Oil Injection
- Eliminate suction refrigerant gas heat loss through direct oil injection into compression chamber (Efficiency increases)
- Increased reliability with regulated oil supply

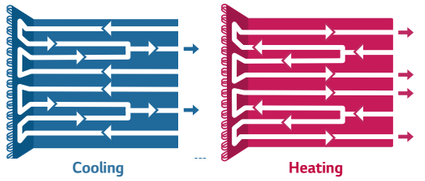
Scroll Profile
- The enhanced reliability with regulated oil supply
- Efficiency increases by expanding 96% Bypass area and 17% improved volume ratio by non-uniform scroll thickness

Optimal Heat Exchanger

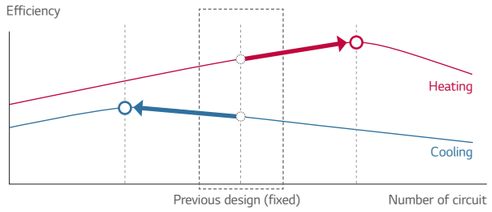
Maximize efficiency according to different heat exchanger path by cooling and heating

Variable Heat Exchanger Circuit intelligently selects the optimal path. With this smart path selection technology, an average of 6% increase in the efficiency of both operations has been achieved.



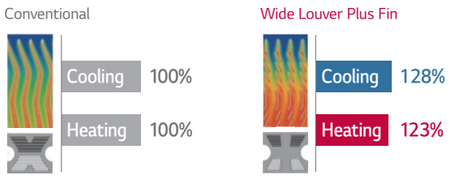


Efficiency performance



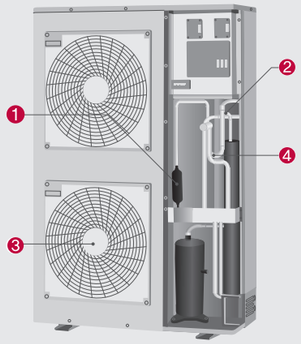
Efficiency up due to Fin shape

Improved heat exchanger efficiency of up to 28%



Reliable Refrigerant Components

LG technology allows for superior performance and component durability

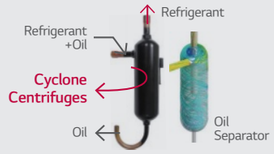


MULTI V S improved reliability with advanced technology :

- Oil separator
- Accumulator
- Sub-cooling

❶ Cyclonic oil Separator

- Highly reliable and efficient oil separation by centrifuge using cyclonic methods
- High collection efficiency as well as outstanding resistance to high temperature and pressure

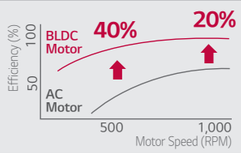


❷ Large Volume Accumulator

- Improved reliability by adopting the large volume accumulator (38% volume up compared to conventional)
- Prevents the liquid refrigerant entering the compressor suction
- Maximize efficiency by optimal amount of refrigerant
- Protects compressor breakdown to increase product lifetime

❸ BLDC Fan Motor

- The BLDC Fan motor is more efficient than a conventional AC motor, offering an additional 40% energy savings at low speeds and 20% at high speeds



❹ Double Sub-cool Interchanger

- Reliability is enhanced by minimizing pressure drop due to high efficiency spiral structure and 2 times larger size
  → Long pipe is possible (up to* 175 m) and high elevation (up to* 50 m)
  → Reduction of indoor refrigerant noise level

* Based on equivalent pipe length

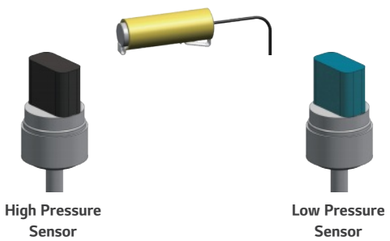
Double Sub-cool Interchanger

Smart Control

Pressure control applied for smart, quick and precise response to user's temperature request

Temperature + Pressure Control

Senses and controls pressure directly using pressure sensor for faster and more precise response to load variation.



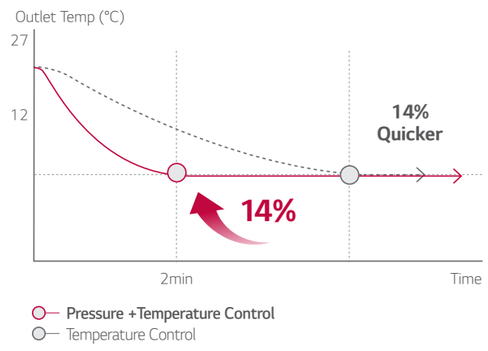
High Pressure Sensor

Low Pressure Sensor

Quick Operating Response

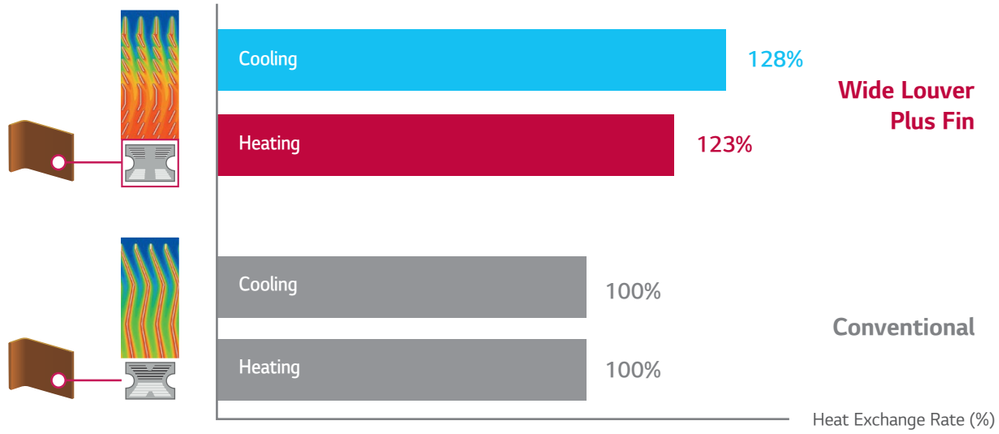
Desired temperature can be reached up to 14% faster in cooling mode with pressure control, allowing more accurate control of indoor environment for maximized comfort.

※ Specifications may vary for each model.



Heat Exchanger with Wide Louver Plus Fin

Improved heat exchanger efficiency of up to 28%

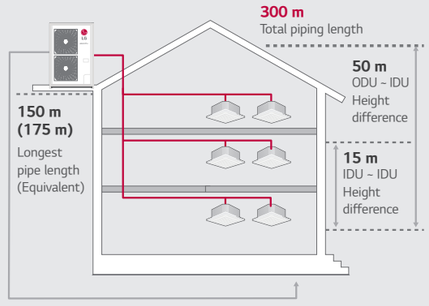


Sufficient Piping Length

Increased piping length allows for flexible design and installation.

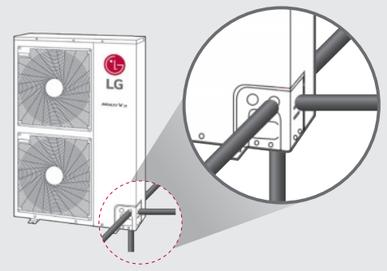
MULTI V S inverter technology and sub cooling control circuit technology allows greater piping length and outstanding elevation differences. A cooling system can be implemented more flexibly in a shop, office and even high-rise building, reducing the designer's work time and providing more efficient design.

Piping Capabilities



4 Way Piping

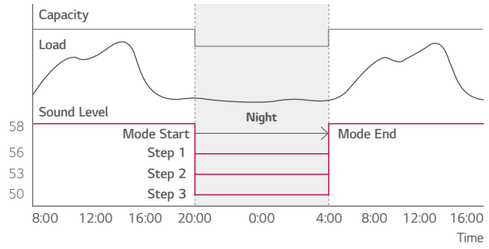
- Free design and installation by 4 way piping.

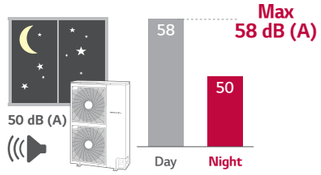


Low Noise Operation

Decreased noise during operation with low noise functionality

At night low noise mode, the noise level can reduce up to 14% in comparison with normal operation mode.





※ Normal mode noise level (28 kw) : 58 dB (A)
※ Night 3 step noise level (28 kw) : 56 dB (A), 53 dB (A), 50 dB (A)
※ Sound pressure tested by following conditions : 1 m distance / 1.5 m height

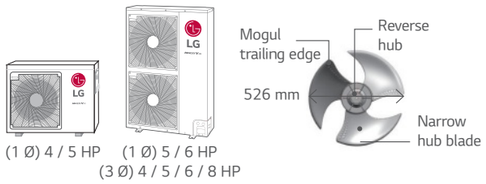
Fan Technology and RPM Control

External static pressure control enables outdoor unit to offer more flexibility in installations.

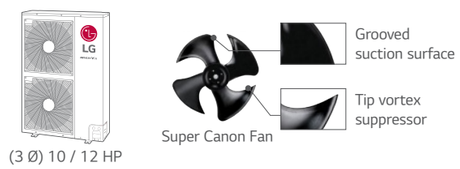
New axial fan offers higher air volume, increased static pressure, decreased noise and enhanced efficiency.

Fan Technology

The new axial fan has a mogul trailing edge, narrow hub blade and reverse hub, this provides a high efficiency, low noise, wide fan, as well as improving the air flow rate.

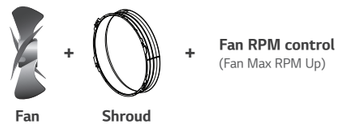


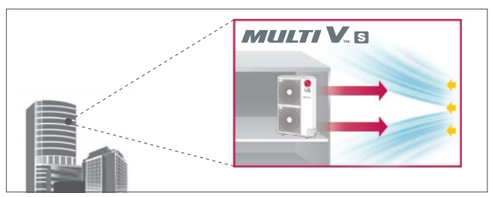
Super cannon fan increases the air volume in 50 CMM and the noise level is decreased by 4 dB (A).



Fan RPM control

Due to the new shroud and ROM control, the air flows straight away from the fan even in high-rise buildings.





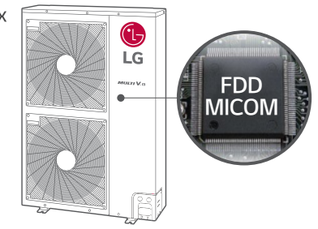
• Straight air flow
- New shroud adopted
- Performs high static pressure

Upgraded Fault Detection and Diagnosis

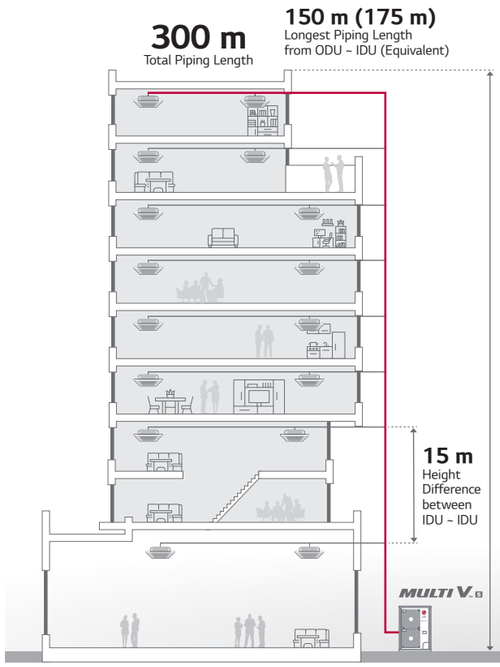
Easy and convenient maintenance with self-diagnosis

The inclusion of FDD elements - Auto start-up, auto refrigerant check, black box functionality, simultaneous evaluation, and auto refrigerant collection, provides the optimal solution for user reliability and ease of maintenance.

- Auto commissioning mode
- Auto refrigerant collection
- Auto evaluation of refrigerant amount and charging
- Able to access LGMV (LG Monitoring View) by smartphone
- Black box function
- Piping & wiring error check-up
- FDD (Fault Detection and Diagnosis)

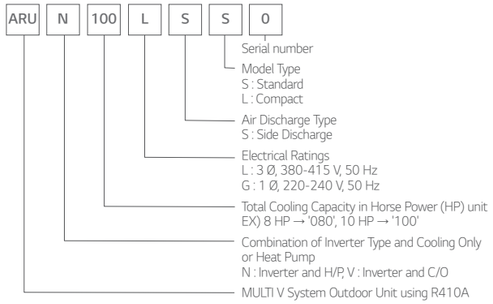


Total Piping Length



Total Piping Length	300 m
Longest piping length (Equivalent)	150 m (175 m)
Longest piping length after 1st branch (Conditional)	40 m (90 m)
Height difference between outdoor unit and indoor unit	50 m
Height difference between indoor units	15 m

Nomenclature



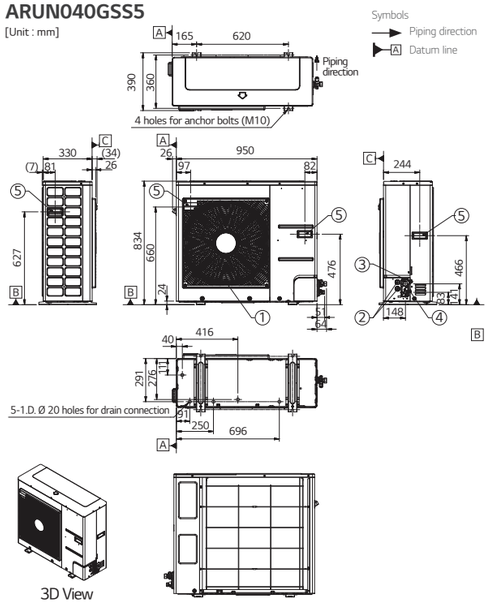
Outdoor Units Function

Category	Functions	MULTI V S
Key Refrigerant Components	Variable Path of Outdoor Unit HEX	-
	HiPOR™ (High Pressure Oil Return)	-
	Humidity Sensor	ARUB060GSS4 only
	Corrosion Resistance Black Fin	○
	Oil Sensor	-
Special Function	Dual Sensing	ARUB060GSS4 only
	Low Noise Operation	○
	Hgih Static Mode of Outdoor Unit Fan	○
	Partial Defrosting	-
	Auto Dust Removal of Outdoor Unit (Fan Reverse Rotation)	-
	Indoor Cooling Comfort Mode Based Outdoor Temperature	○
	Smart Load Control (SLC) (Changing Indoor Discharge Air Temperature According to Load)	○
	Outdoor Unit Control Refer to Humidity	ARUB060GSS4 only
Basic Function	Defrost / Deicing	○
	High Pressure Switch	○
	Phase Protection	○
	Restart Delay (3-minutes)	○
	Self Diagnosis	○
	Soft Start	○
	Test Run Function	-
Central Controller	AC Ez (Simple Controller)	PQCSZ250S0
	AC Ez Touch	PACEZA000
	AC Smart IV	PACS4B000
	AC Smart 5	PACS5A000
	ACP (Advanced Control Platform) IV	PACP4B000
	ACP (Advanced Control Platform) 5	PACP5A000
	AC Manager 5	PACM5A000
BNU (Building Network Unit)	ACP5 (w U60FT)	○
	ACP BACnet	PQNFB17C0
IO Module (ODU Dry Contact)		PVDSMN000
PDI (Power Distribution Indicator)	Standard	PPWRDB000
	Premium	PQNUD1S40
Cool / Heat Selector		PRDSBM
Cycle Monitoring Device	LGMV	PRCTIL0
	Mobile LGMV	PLGMVW100
Additional kit	Refrigerant Charging Kit	○ (Logical operation) Not applied to ARUB060GSS4
	Low Ambient Kit	-
	Variable Water Flow Valve Control Kit	-

※ ○ : Applied, - : Not Applied

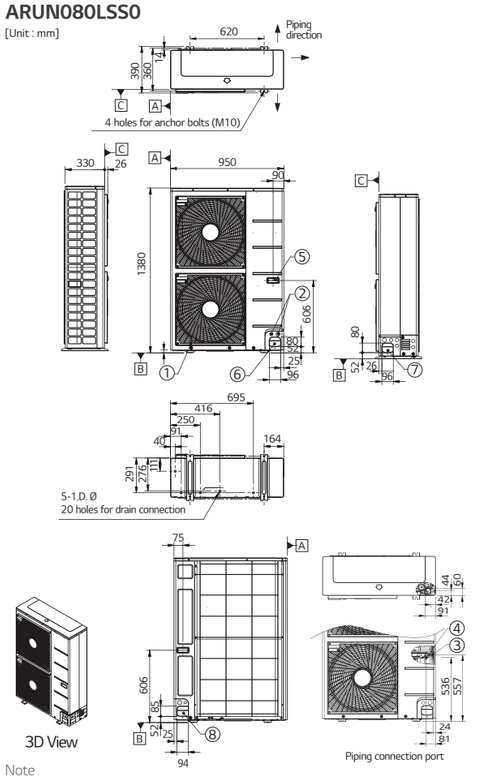
ARUN040GSS5

[Unit : mm]



ARUN080LSS0

[Unit : mm]

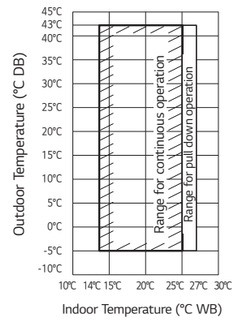


Note
1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulation or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
4. Electrical characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

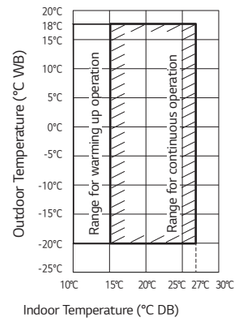
No.	Part name	Description
1	Air outlet	-
2	Power and communication cable hole	-
3	Gas pipe connection	Welding joint
4	Liquid pipe connection	Welding joint
5	Handle	-
6	Pipe routing hole (front)	-
7	Pipe routing hole (side)	-
8	Pipe routing hole (back)	-

Heat Pump

Cooling

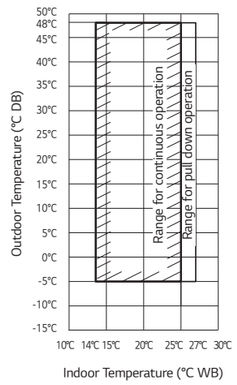


Heating

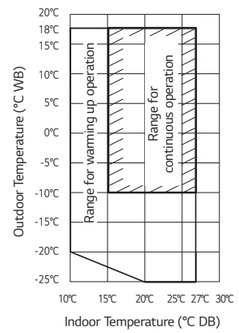


Heat Recovery

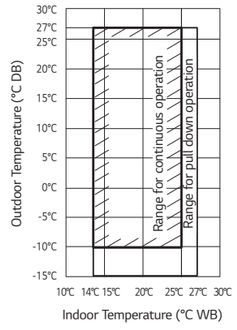
Cooling



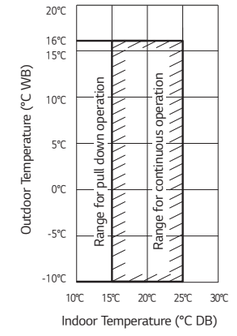
Heating



Simultaneous Cooling

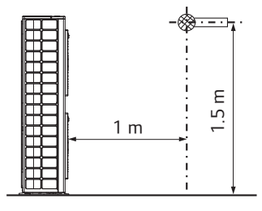


Simultaneous Heating



Note
1. These figures assume the following operating conditions : Equivalent piping length : 7.5 m
   Level difference : 0 m
2. Range of pull down operation : If the relative humidity is too high, cooling capacity can be decreased by the sensible

Position of Sound Level Measuring



Note
1. These figures assume the following operating conditions :
   Equivalent piping length : 7.5 m
   Level difference : 0 m

ARUV030GSD5 / ARUV040GSD5
ARUV050GSD5 / ARUV060GSD5

HP			3	4	5	6
Model Name	Combination Unit		ARUV030GSD5	ARUV040GSD5	ARUV050GSD5	ARUV060GSD5
Power Supply	#1	-	220, 1, 60	220, 1, 60	220, 1, 60	220, 1, 60
	Limit Range of Voltage (#1)	V	198 - 242	198 - 242	198 - 242	198 - 242
	#2	-	220 - 230 - 240, 1, 50	220 - 230 - 240, 1, 50	220 - 230 - 240, 1, 50	220 - 230 - 240, 1, 50
	Limit Range of Voltage (#2)	V	198 - 264	198 - 264	198 - 264	198 - 264
Cooling Capacity	Rated	kW	9.20	11.00	14.50	16.00
		Btu/h	31,400	37,600	49,500	54,600
Power Input (Cooling)	Rated	kW	2.36	2.89	3.62	4.5
Efficiency	EER (Rated)	W/W	3.90	3.81	4.01	3.56
Running Current	Maximum Running Current	A	19.0	23.0	25.1	29.0
Power Factor (Cooling/Heating)	Rated	-	0.93 / -	0.93 / -	0.93 / -	0.93 / -
Outdoor Fan	Type	-	Axial Flow Fan	Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Air Flow Rate (High)	m^3/min x No.	60 x 1	60 x 1	80 x 1	80 x 1
	Discharge direction (Side / Top)	-	Side	Side	Side	Side
Outdoor Fan Motor	Type	-	BLDC	BLDC	BLDC	BLDC
	Drive	-	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Output x Number	W x No.	124.2 x 1	124.2 x 1	198 x 1	198 x 1
Compressor	Type	-	Twin Rotary	Twin Rotary	LG Inverter Scroll	LG Inverter scroll
	Piston Displacement	cm^3/rev	20.8	20.8	31.6	31.6
	Number of Revolution	rev./min	3,600	3,600	3,600	3,600
	Motor Output x Number	W x No.	1,500 x 1	1,500 x 1	3,198 x 1	3,198 x 1
	Starting Method	-	DC Inverter Starting	DC Inverter Starting	DC Inverter Starting	DC Inverter Starting
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D	FW68D
Heat Exchanger	Type	-	Fin & tube	Fin & tube	Fin & tube	Fin & tube
	No.	-	1	1	1	1
	Fin Type	-	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Dimensions	Net (W x H x D)	mm	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
	Shipping (W x H x D)	mm	1,147 x 919 x 461	1,147 x 919 x 461	1,147 x 919 x 461	1,147 x 919 x 461
Weight	Net	kg	53.0	53.0	67.0	67.0
	Shipping	kg	61.0	61.0	75.0	75.0
Exterior	Color	-	Warm Gray	Warm Gray	Warm Gray	Warm gray
	RAL (Classic)	-	RAL 7044	RAL 7044	RAL 7044	RAL 7044
Protection Device	Compressor / Fan Protection	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter Protection	-	Over-heat Protection / Over-current Protection			
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Precharged Amount	kg	1,000	1,000	2,000	2,000
	t-CO_2 eq.	-	-	-	4.175	4.175
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Piping Connection Type	Liquid	-	Flare	Flare	Flare	Flare
	Gas	-	Flare	Flare	Flare	Flare
Connecting Pipe	Liquid	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating	dB (A)	52.0 / -	52.0 / -	53.0 / -	56.0 / -
Measurement Standard (Pressure Level)	-	-	ISO 3745	ISO 3745	ISO 3745	ISO 3745
Connecting Cable	Communication Cable (VCTF-SB)	mm^2 × cores	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2
Electrical Characteristic	Minimium Circuit Amperes (MCA)	A	20.2	20.2	22.8	26.4
	Maximum Fuse Amperes (MFA)	A	25	25	32	40
	Total Over Current Amperes (TOCA)	A	21.3	21.3	25.1	29
	Comp_Rated Load Amperes (Cooling)	A	9.7	12	16.8	21.1
	Outdoor Fan Motor_Full Load Amperes (FLA)	A	0.5	0.5	0.9	0.9
Connectable Indoor Units Number	Max. (Conditional)	EA	5	6	8	9

1. Capacities are based on the following conditions:
   - Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB
     Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
   - Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB
     Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5 m
   - Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
2. The maximum combination ratio is 130%.
3. Wiring cable size must comply with the applicable local and national codes.
4. Due to our policy of innovation some specifications may be changed without notification.
5. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation.
6. Power factor could vary less than ±1% according to the operating conditions.

ARUN040GSS5 / ARUN050GSS5
ARUN060GSS5

HP			4	5	6
Model Name	Combination Unit		A(C)RUN040GSS5	A(C)RUN050GSS5	A(C)RUN060GSS5
Capacity [1] (Rated)	Cooling	kW	12.1	14.0	15.5
		kcal/h	10,400	12,000	13,300
		Btu/h	41,300	47,800	52,900
	Heating	kW	12.5	16.0	18.0
		kcal/h	10,800	13,800	15,500
		Btu/h	42,700	54,600	61,400
Input (Rated) [1]	Cooling	kW	3.06	3.33	3.97
	Heating	kW	2.90	3.48	4.29
EER (Rated)			3.95	4.20	3.90
COP (Rated)			4.31	4.60	4.20
Exterior	Color		Warm Gray	Warm Gray	Warm Gray
	RAL (Classic)		RAL 7044	RAL 7044	RAL 7044
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		LG Inverter Scroll	LG Inverter Scroll	LG Inverter Scroll
	Piston Displacement	cm^3/rev	31.6	31.6	31.6
	Number of Revolution	rev/min	3,600	3,600	3,600
	Motor Output	W	3,198	3,198	3,198
	Starting Method		DC Inverter Starting	DC Inverter Starting	DC Inverter Starting
	Oil Type		FW68D	FW68D	FW68D
	Oil Charge	cc	1,100	1,100	1,100
Fan	Type		Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Motor Output x Number	W x No.	124 x 1	198 x 1	198 x 1
	Air Flow Rate (High)	m^3/min	60	80	80
		ft^3/min	2,118	2,825	2,825
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	Side	Side	Side
Pipe Connctions	Liquid	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
Dimensions (W x H x D)	Net	mm	950 × 834 × 330	950 × 834 × 330	950 × 834 × 330
		inch	37-13/32 × 32-27/32 × 13	37-13/32 × 32-27/32 × 13	37-13/32 × 32-27/32 × 13
	Shipping	mm	1,147 x 919 x 461	1,147 x 919 x 461	1,147 x 919 x 461
		inch	45-5/32 x 36-3/16 x 18-5/32	45-5/32 x 36-3/16 x 18-5/32	45-5/32 x 36-3/16 x 18-5/32
Weight	Net	kg	65	72.0	72.0
		lbs	143.3	158.7	158.7
	Shipping	kg	74	80.0	80.0
		lbs	163.1	176.4	176.4
Sound Pressure Level	Cooling	dB (A)	51	57	57
	Heating	dB (A)	55	60	63
Sound Power Level	Cooling	dB (A)	67	70	71
	Heating	dB (A)	71	74	75
Protection Devices	High Pressure Protection		High Pressure Sensor / High Pressure Switch		
	Compressor / Fan		Over-heat Protection / Fan Driver Overload Protector		
	Inverter		Over-heat Protection / Over-current Protection		
Communication Cable		No.×mm^2 (VCTF-SB)	2 C x 1.0 ~ 1.5	2 C x 1.0 ~ 1.5	2 C x 1.0 ~ 1.5
Refigerant	Refigerant Name		R410A	R410A	R410A
	Precharged Amount	kg	1.8	2.4	2.4
		lbs	4	5.3	5.3
	t-CO_2 eq.		3.758	5.010	5.010
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	220 - 230 - 240 , 1 , 50/60	220 - 230 - 240 , 1 , 50/60	220 - 230 - 240 , 1 , 50/60
Running Current	Cooling (Rated)	A	14.97 - 14.31 - 13.71	16.10 - 15.40 - 14.76	18.50 - 17.70 - 16.96
	Heating (Rated)	A	14.17 - 13.56 - 12.99	16.50 - 15.78 - 15.13	19.90 - 19.03 - 18.24
Number of Maxmum Connectable Indoor Units [2]			8	10	13

1. Capacities are based on the following conditions:
   - Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB
     Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
   - Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB
     Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5 m
   - Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
2. The maximum combination ratio is 130%.
3. Wiring cable size must comply with the applicable local and national codes.
4. Due to our policy of innovation some specifications may be changed without notification.
5. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation.
6. Power factor could vary less than ±1% according to the operating conditions.

ARUN040LSS5 / ARUN050LSS5
ARUN060LSS5

HP			4	5	6
Model Name	Combination Unit		A(C)RUN040LSS5	A(C)RUN050LSS5	A(C)RUN060LSS5
Capacity [1] (Rated)	Cooling	kW	12.1	14.0	15.5
		kcal/h	10,400	12,000	13,300
		Btu/h	41,300	47,800	52,900
	Heating	kW	12.5	16.0	18.0
		kcal/h	10,800	13,800	15,500
		Btu/h	42,700	54,600	61,400
Input (Rated) [1]	Cooling	kW	3.06	3.33	3.97
	Heating	kW	2.90	3.48	4.29
EER (Rated)			3.95	4.20	3.90
COP (Rated)			4.31	4.60	4.20
Exterior	Color		Warm Gray	Warm Gray	Warm Gray
	RAL (Classic)		RAL 7044	RAL 7044	RAL 7044
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		LG Inverter Scroll	LG Inverter Scroll	LG Inverter Scroll
	Piston Displacement	cm^3/rev	31.6	31.6	31.6
	Number of Revolution	rev/min	3,600	3,600	3,600
	Motor Output	W	3,198	3,198	3,198
	Starting Method		DC Inverter Starting	DC Inverter Starting	DC Inverter Starting
	Oil Type		FW68D	FW68D	FW68D
	Oil Charge	cc	1,100	1,100	1,100
Fan	Type		Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Motor Output x Number	W x No.	124 x 1	198 x 1	198 x 1
	Air Flow Rate (High)	m^3/min	60	80	80
		ft^3/min	2,118	2,825	2,825
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	Side	Side	Side
Pipe Connctions	Liquid	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
Dimensions (W x H x D)	Net	mm	950 × 834 × 330	950 × 834 × 330	950 × 834 × 330
		inch	37-13/32 × 32-27/32 × 13	37-13/32 × 32-27/32 × 13	37-13/32 × 32-27/32 × 13
	Shipping	mm	1,147 x 919 x 461	1,147 x 919 x 461	1,147 x 919 x 461
		inch	45-5/32 x 36-3/16 x 18-5/32	45-5/32 x 36-3/16 x 18-5/32	45-5/32 x 36-3/16 x 18-5/32
Weight	Net	kg	65	72.0	72.0
		lbs	143.3	158.7	158.7
	Shipping	kg	74	80.0	80.0
		lbs	163.1	176.4	176.4
Sound Pressure Level	Cooling	dB (A)	51	57	57
	Heating	dB (A)	55	60	63
Sound Power Level	Cooling	dB (A)	67	70	71
	Heating	dB (A)	71	74	75
Protection Devices	High Pressure Protection		High Pressure Sensor / High Pressure Switch		
	Compressor / Fan		Over-heat Protection / Fan Driver Overload Protector		
	Inverter		Over-heat Protection / Over-current Protection		
Communication Cable		No.×mm^2 (VCTF-SB)	2 C x 1.0 ~ 1.5	2 C x 1.0 ~ 1.5	2 C x 1.0 ~ 1.5
Refigerant	Refigerant Name		R410A	R410A	R410A
	Precharged Amount	kg	1.8	2.4	2.4
		lbs	4	5.3	5.3
	t-CO_2 eq.		3.758	5.010	5.010
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 - 400 - 415 , 3 , 50/60	380 - 400 - 415 , 3 , 50/60	380 - 400 - 415 , 3 , 50/60
Running Current	Cooling (Rated)	A	5.00 - 4.75 - 4.58	5.44 - 5.17 - 4.98	6.49 - 6.16 - 5.94
	Heating (Rated)	A	4.74 - 4.50 - 4.34	5.69 - 5.40 - 5.21	7.01 - 6.66 - 6.42
Number of Maxmum Connectable Indoor Units [2]			8	10	13

1. Capacities are based on the following conditions:
   - Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB
     Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
   - Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB
     Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5 m
   - Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
2. The maximum combination ratio is 130%.
3. Wiring cable size must comply with the applicable local and national codes.
4. Due to our policy of innovation some specifications may be changed without notification.
5. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation.
6. Power factor could vary less than ±1% according to the operating conditions.

ARUN080LSS0 / ARUN100LSS0
ARUN120LSS0

HP			8	10	12
Model Name	Combination Unit		ARUN080LSS0	ARUN100LSS0	ARUN120LSS0
Capacity [1] (Rated)	Cooling	kW	22.4	28.0	33.6
		kcal/h	19,300	24,100	28,900
		Btu/h	76,400	95,900	114,700
	Heating	kW	25.2	31.5	37.8
		kcal/h	21,700	27,100	32,500
		Btu/h	86,000	107,500	129,000
Input (Rated) [1]	Cooling	kW	5.89	7.09	9.08
	Heating	kW	6.00	7.41	9.95
Power Factor	Rated		0.93	0.93	0.93
Casing Color			Warm Gray	Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	43.8	62.1	62.1
	Number of Revolution	rev/min	3,600	3,600	3,600
	Motor Output	W	4,200	5,300	5,300
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	2,400	2,600	3,400
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	124 x 2	250 x 2	250 x 2
	Air Flow Rate (High)	m^3/min	140	190	190
		ft^3/min	4,944	6,710	6,710
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	Side	Side	Side
Pipe Connctions	Liquid	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)
	Gas	mm (inch)	Ø 19.05 (3/4)	Ø 22.2 (7/8)	Ø 28.58 (1-1/8)
Dimensions (W x H x D)		mm	950 × 1,380 × 330	1,090 × 1,625 × 380	1,090 x 1,625 x 380
		inch	37-13/32 × 54-11/32 × 13	42-29/32 × 63-31/32 × 14-31/32	42.9 × 64.0 × 15.0
Net Weight		kg	115	142	155
		lbs	254	312	340
Sound Pressure Level	Cooling	dB (A)	57	58	60
	Heating	dB (A)	57	58	60
Sound Power Level		dB (A)	69	70	71
Protection Devices	High Pressure Protection		High Pressure Sensor / High Pressure Switch		
	Compressor / Fan		Over-heat Protection / Fan Driver Overload Protector		
	Inverter		Over-heat Protection / Over-current Protection		
Communication Cable		No.×mm^2 (VCTF-SB)	2 C x 1.0 ~ 1.5	2 C x 1.0 ~ 1.5	2 C x 1.0 ~ 1.5
Refigerant	Refigerant Name		R410A	R410A	R410A
	Precharged Amount	kg	3.5	4.5	6.0
		lbs	7.7	9.9	13.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	380 - 415 , 3 , 50	380 - 415 , 3 , 50	380 - 415 , 3 , 50
			380 , 3 , 60	380 , 3 , 60	380 , 3 , 60
Number of Maxmum Connectable Indoor Units [2]			13	16	20

1. Capacities are based on the following conditions:
   - Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB
     Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
   - Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB
     Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5 m
   - Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
2. The maximum combination ratio is 130%.
3. Wiring cable size must comply with the applicable local and national codes.
4. Due to our policy of innovation some specifications may be changed without notification.
5. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation.
6. Power factor could vary less than ±1% according to the operating conditions.

MULTI V™ WATER 5

Highlight

Higher Energy Efficiency

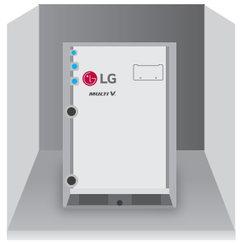
High Reliability

Improved Convenience

- Water Cooled VRF Heat Pump & Heat Recovery
- Operation Independent of Weather Conditions (Outdoor Unit Installed Indoor)
- Replacement of Chiller - FCU System

High Efficiency System Regardless of External Conditions

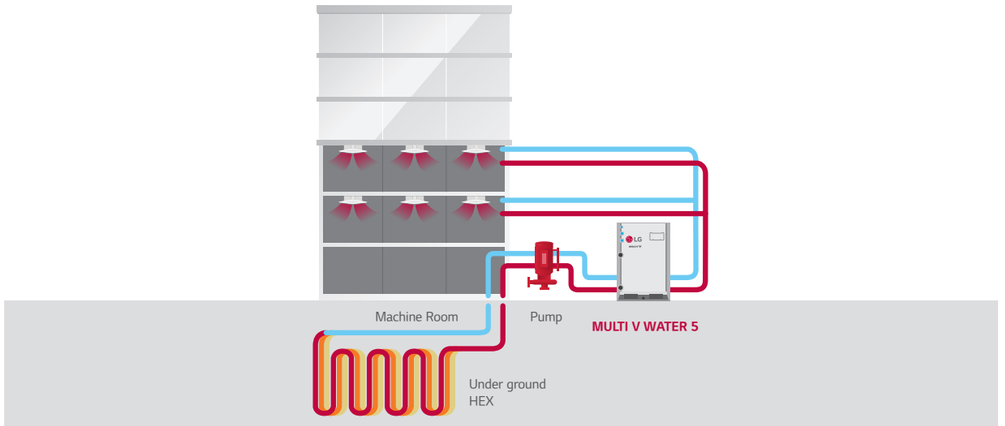
Regardless of outdoor temperature and other environmental conditions, MULTI V WATER 5 is the optimal solution.



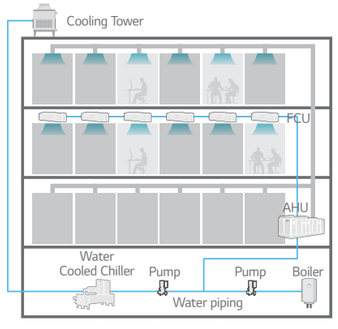
MULTI V WATER 5 System for Geothermal Applications

Uses underground heat sources like soil, ground water, lakes, rivers and more as renewable energy for cooling and heating. Water or antifreeze solution is circulated through the closed loop HDPE (High Density Poly-Ethylene) pipes buried beneath the earth's surface.

- The circulating water temperature range is between -5°C ~ 45°C.
- Antifreeze should be applied depending on the application.

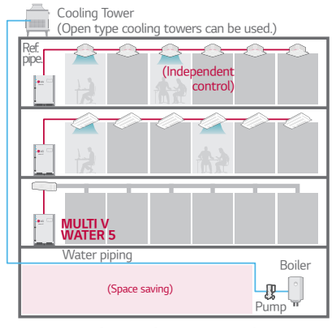


Chiller - FCU



Central control

MULTI V WATER 5



Independent control

Economical, Highly Efficient System

LG's key technologies are integrated to inverter compressor.

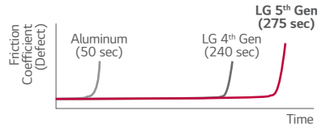
With 5th generation inverter compressor, the MULTI V Water 5 boasts top-class energy efficiency.

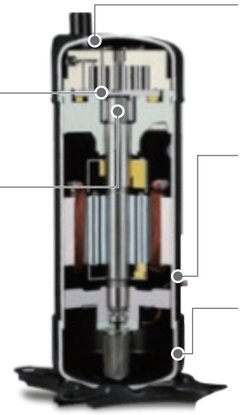
6 By-pass Valve

- Maximize part load efficiency through 6 By-pass Valve
  → High pressure loss reduction in part load operation

Enhanced Bearing Technology

- High lubricity PEEK (Polyether ether keHPe) bearing
  → Outer bearing
  - Compact, less vibration and bearing loading
- Increased bearing performance in oil-less operation





Extended Compressor Speed 20 Hz ~ 150 Hz

- Rapid operation response
- Capable of reaching required temperature quickly
- Increase part load efficiency

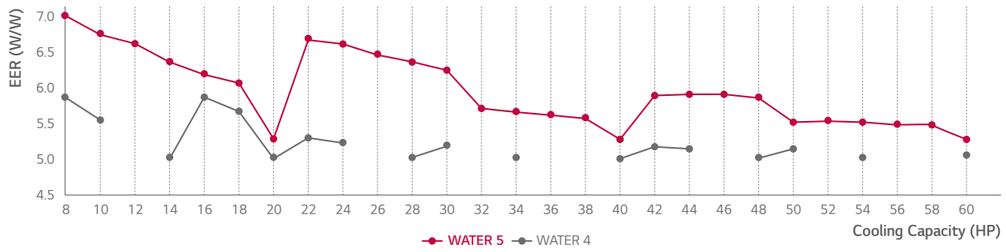
HiPOR™ (High Pressure Oil Return)

- Eliminating loss in suction gas by returning oil directly to compressor
- Resolve compressor efficiency loss caused by oil return

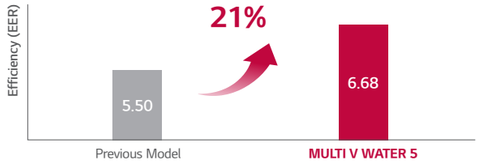
Active Oil Control (Oil Level Sensor)

- Oil recovery operation occurs only when required
- Enhanced compressor reliability & continuous heating
- Oil distribution between compressors

EER Comparison

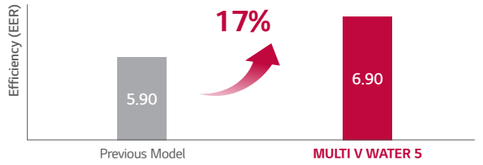


Energy Efficiency Raito (Cooling)



10%	HEX Optimization	2%	Active Oil Control
5%	Cycle Composition Improvement Inverter Control	2%	HiPOR™
		2%	

Coefficient of Perfomance (Heating)



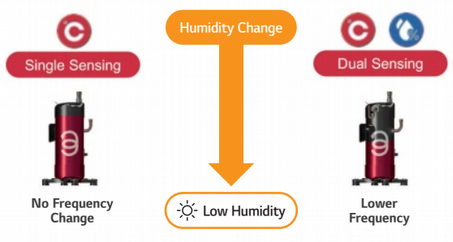
10%	HEX Optimization	1%	Active Oil Control
4%	Cycle Composition Improvement Inverter Control	1%	HiPOR™
		1%	

※ Comparison between 10 HP (28 kW)

Dual Sensing Control

MULTI V WATER 5 can operate more appropriately in low humidity conditions by referring to the indoor temperature and humidity.

Previous Model



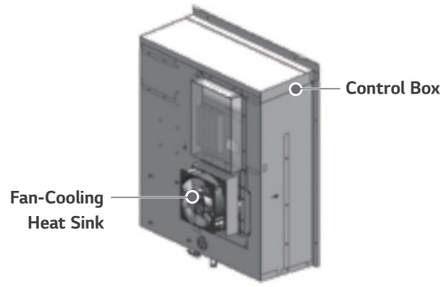
MULTI V WATER 5

※ This function requires the indoor unit to be equipped with a humidity sensor, the CRC1 remote controller or the Standard III remote controller.

Refrigerant Liquid-cooled Inverter Drive

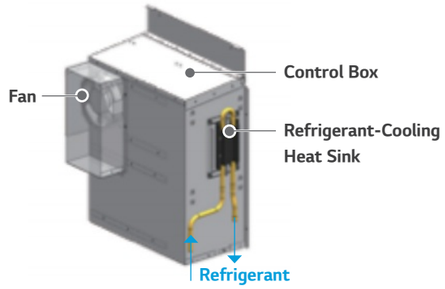
MULTI V WATER 5 can remove heat from inverter PCB through Refrigerant-Cooling Heat Sink

Previous Model



MULTI V WATER 5

Refrigerant-Cooling Heat Sink
- It removes more heat from inverter PCB.



Largest Capacity

Sufficient pipe length limitation provides flexible design and installation.

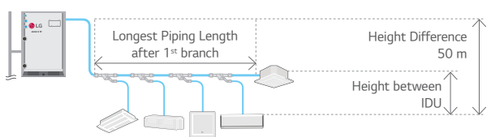
Providing 8 ~ 20 HP (22.4 ~ 56 kW) with single unit, and up to the world's largest capacity 60 HP (168 kW) by combination.

v	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
kW	22.4	28	33.6	39.2	44.8	50.4	56	61.6	67.2	72.8	78.4	84	89.6	95.2	100.8	106.4	112	117.6	123.2	128.8	134.4	140	145.6	151.2	156.8	162.4	168
LG	1 Unit							2 Units										3 Units									

Longest Piping Length

Sufficient pipes length limitation in design and Installation for various buildings

Provide flexible installation up to 300 m (500 m) of total piping length. As water pipes are not connected to indoor units, users are free from water leakage problems.



Total Piping Length	300 m (500 m)
Actual Longest Piping Length (Equivalent)	175 m (225 m)
Longest Piping Length after 1st Branch (Conditional Application)	40 m (90 m)
Height Difference between ODU ~ IDU	50 m
Height Difference between IDU ~ IDU	40 m

Compact Size

Thanks to compact size of product, it provides more space for commercial or public use as much as possible.

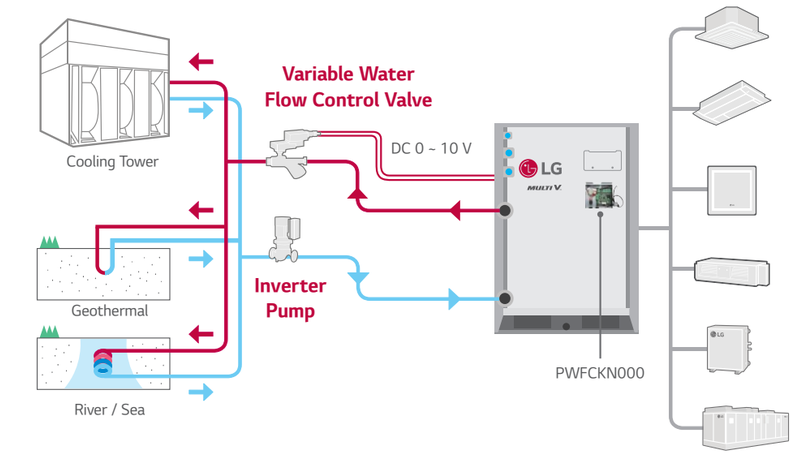
The optimal design of the compact, lightweight outdoor unit enables double stacking, which results in 50% savings in installation space.

56 kW x 2 EA
Per each
772 * 547 mm

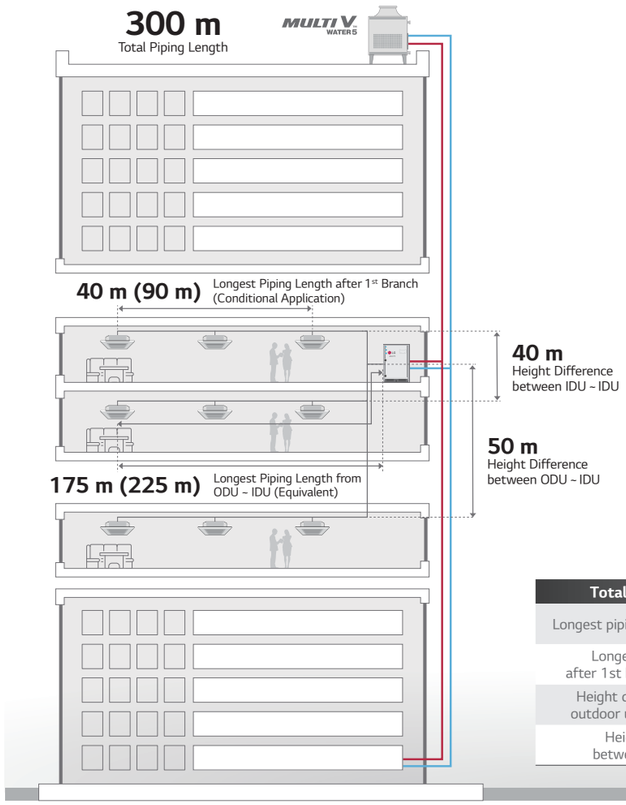
Variable Water Flow Control
(OPTION)

In support of green building initiatives

The world's first variable water flow control system for water cooled VRF system. LG applied Variable Water Flow Control to optimize water flow control regarding partial cooling or heating load conditions. Because of this it's also possible to reduce circulation pump energy consumption.

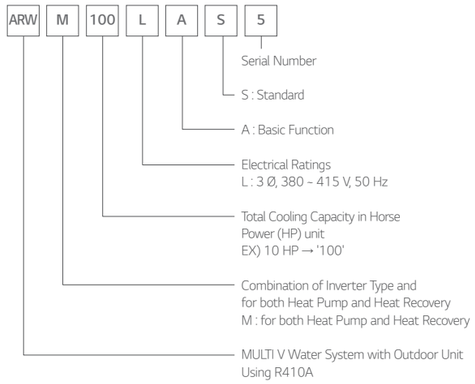


Total Piping Length



Total Piping Length	300 m (500 m)
Longest piping length (Equivalent)	175 m (155 m)
Longest piping length after 1st branch (Conditional)	40 m (90 m)
Height difference between outdoor unit and indoor unit	50 m
Height difference between indoor units	40 m

Nomenclature



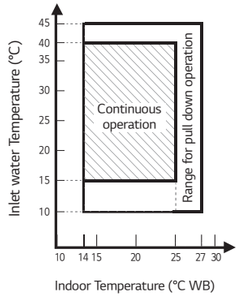
Outdoor Units Function

Category	Functions	MULTI V Water 5
Key Refrigerant Components	HiPOR™ (High Pressure Oil Return)	○
	Oil Sensor	○
Reliability	High Pressure Switch	○
	Phase Protection	○
	Restart Delay (3-minutes)	○
	Self Diagnosis	○
	Soft Start	○
Central Controller	AC Ez	PQCSZ250S0
	AC Ez Touch	PACEZA000
	AC Smart IV	PACS4B000
	AC Smart 5	PACS5A000
	ACP IV	PACP4B000
	ACP 5	PACP5A000
	AC Manager IV	PACM4B000
	AC Manager 5	PACM5A000
Gateway	ACP BACnet	PQNFB17C0
	ACP5 (w U60FT)	○
	Cloud Gateway	PWFMDB200
	Modbus RTU	PMBUSB00A
Intergration Device	IO Module	PVDSMN000
	Variable Water Flow Control Kit	PWFCKN000
	Cool / Heat Selector	PRDSMB
	AHU comm. Kit	PAHCMR000
		PAHCMS000
	AHU Controller Module	PAHCMC000
		PAHCMM000
	AHU Control Kit	PAHCNM000
	EEV Kit	PRLK048A0
		PRLK096A0
		PRLK396A0
		PRLK594A0
	Water comm. Module	-
	PDI Standard	PPWRDB000
	PDI Premium	PQNUD1S40
ETC	DS (Data Saving) Module	PVADTN000

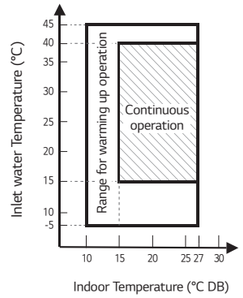
※ ○ : Applied, - : Not Applied

Operation Limits

Cooling

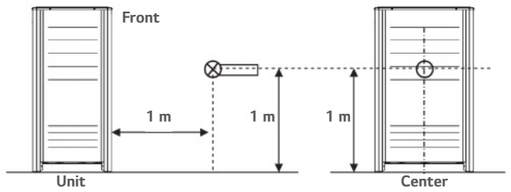


Heating



Note
1. These figures assume the following operating conditions
 : Equivalent piping length is standard condition, and level difference is 0 m.
2. Range of pull down operation
 : If the relative humidity is too high, cooling capacity can be decreased by the sensible heat reduction.
3. Warming up operation means that the outdoor (outside) unit operates to reach the range of continuous operating, however it may not operate continuously due to safety or protection logic.

Position of Sound Pressure Level Measuring



※ External appearance of unit could be different by each model.

Note
1. Data is valid at diffuse field condition.
2. Data is valid at nominal operating condition.
3. Reference accoustic pressure 0 dB = 20 μPa.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Refer to the model specifications for nominal conditions. (Power source and Ambient temperature, etc)
5. Sound levels can be increased in accordance with installation and operating conditions. (Operating conditions include some functional condition like Static pressure mode, air guide use, room target temperature setting, etc and these functions are different in accordance with each model.)
6. Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment in installed.

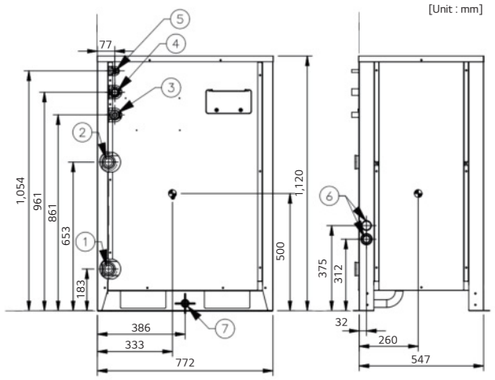
Optional Accessories

No.	Name		Model
1	Y branch pipe	for Heat Recovery	ARBLB01621
			ARBLB03321
			ARBLB07121
			ARBLB14521
		for Heat Pump	ARBLN01621
			ARBLN03321
			ARBLN07121
			ARBLN14521
2	Header	4 branch	ARBL054
		7 branch	ARBL057
		4 branch	ARBL104
		7 branch	ARBL107
		10 branch	ARBL1010
		10 branch	ARBL2010
3	Connection pipe of outdoor units		ARCNN21
			ARCNN31

Dimensions

ARWM080LAS5 / ARWM100LAS5 / ARWM120LAS5 / ARWM140LAS5 / ARWM160LAS5 / ARWM180LAS5 / ARWM200LAS5

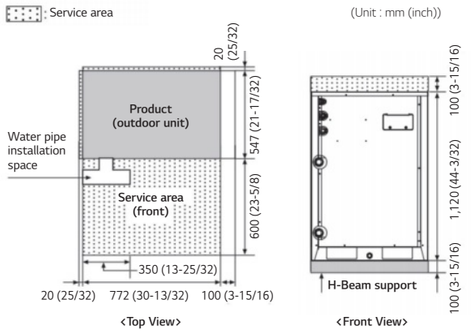
[Unit : mm]



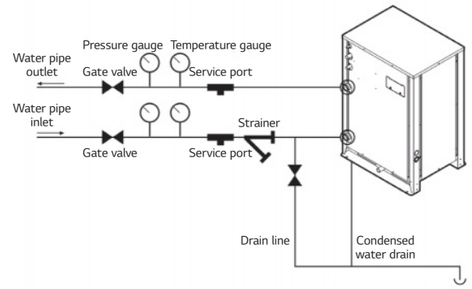
⊕ = Center of Gravity

No.	Part Name	Description
1	Water inlet connection	PT 40 Female
2	Water outlet connection	PT 40 Female
3	High pressure pipe connection	-
4	Low pressure pipe connection	-
5	Liquid pipe connection	-
6	Power and comm. cable hole	-
7	Condensate drain pipe connection	PT 20 Male

Individual Installation



Water Piping Installation



Precaution of Installation

1. Do not install the unit at the outdoors.
 - Otherwise it may cause fire, electric shock and trouble.
2. Keep the water temperature between **10 ~ 45℃** Other it may cause the breakdown.
 - Standard water supply temperature is **30℃** for Cooling and **20℃** for heating.
3. Establish an **anti-freeze plan** for the water supply when the product is stopped during the winter.
4. Be careful of the **Water Purity Control**. Otherwise it may cause the breakdown due to water pipe corrosion. (Refer to 'Standard Table for Water Purity Control' in Installation manual.)
5. The water pressure resistance of the water pipe system of this product is **1.98 MPa.**
6. Always install **a trap** so that the drained water does not back flush.
7. Install **a pressure gauge and temperature gauge** at the inlet and outlet of the water pipe.
8. **Flexible joints** must be installed not to cause any leakage from the vibration of pipes.
9. Install a **service port** to clean the heat exchanger at the each end of the water inlet and outlet.
10. You must install the **flow switch** to the water collection pipe system connecting to the outdoor unit.
 (**Flow switch** acts as the 1st protection device when the heat water is not supplied. If a certain level of water does not flow after installing the **flow switch**, an error sign of CH 189 error will be displayed on the product and the product will stop operating.)
11. When setting the flow switch, it is recommended to use the product with default set value to satisfy the minimum flow rate of this product. (The minimum flow rate range of this product is 50%. Reference flow rate : 10 HP - 96 LPM, 20 HP - 192 LPM)
12. To protect the water cooling type product, you must install a **strainer with 50 mesh** or more on the heat water supply pipe. (It is recommended to install both a magnetic filter and a strainer.) If not installed, it can result in damage of heat exchanger by the following situation.
 1) Heat water supply within the plate type heat exchanger is composed of multiple small paths.
 2) If you do not use a strainer with 50 mesh or more, alien particles can partially block the water paths.
 3) When running the heater, the plate type heat exchanger plays the role of the evaporator, and at this time, the temperature of coolant side drops to drop the temperature of the heat water supply, which can result in icing point in the water paths.
 4) And as the heating process progresses, the water paths can be partially frozen to lead to damage in plate type heat exchanger.
 5) As a result of the damage of the heat exchanger from the freezing, the coolant side and the heat water source side will be mixed to make the product unusable.

Bouygues Challenger

LG MULTI V Water Solution with Geothermal Application.

Site Information

The industrial group Bouygues was established in France in 1952. It now maintains operations in 80 countries and employs more than 131,000 people. In 1988, after two years of construction, the new headquarters for Bouygues Construction was officially opened for business. Named Challenger, the complex became a technological showcase for late 20th century architecture.

LG Solution

Bouygues decided to convert their headquarters into an eco-conscious building by significantly reducing its energy footprint. The LG MULTI V Water system was chosen as the ideal HVAC solution for this project. The system not only saves energy but also reduces water usage as it recycles water in order to regulate the temperature of the building. With LG's advanced technology, the building's water consumption was reduced by more than 70 percent.

ARWM080LAS5 / ARWM100LAS5
ARWM120LAS5

HP			8	10	12
Model Name	Combination Unit	-	ARWM080LAS5	ARWM100LAS5	ARWM120LAS5
	Independent Unit (1)	-	ARWM080LAS5	ARWM100LAS5	ARWM120LAS5
	Independent Unit (2)	-	-	-	-
	Independent Unit (3)	-	-	-	-
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6
	Heating (Rated)	kW	25.2	31.5	37.8
Input	Cooling (Rated)	kW	3.25	4.19	5.14
	Heating (Rated)	kW	3.50	4.57	5.56
Efficiency	EER (Rated)	W/W	6.90	6.68	6.54
	COP (Rated)	W/W	7.20	6.90	6.80
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	10.6	15.9	22.1
	Rated Water Flow	LPM	77	96	115
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 1	(Inverter) x 1	(Inverter) x 1
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1
	Oil Type	-	FVC68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	3.5	3.5	3.5
	t-CO_2 eq	-	7.306	7.306	7.306
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)
	Gas Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 22.22 (7/8)	Ø 28.58 (1-1/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 19.05 (3/4)	Ø 22.22 (7/8)	Ø 28.58 (1-1/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	772 x 1,120 x 547	772 x 1,120 x 547	772 x 1,120 x 547
	Shipping	mm	820 x 1,245 x 645	820 x 1,245 x 645	820 x 1,245 x 645
Weight	Net	kg	149 x 1	149 x 1	149 x 1
	Shipping	kg	157 x 1	157 x 1	157 x 1
Sound Pressure Level	Cooling / Heating	dB (A)	45.0 / 48.0	48.0 / 48.0	48.0 / 51.0
Sound Power Level	Cooling / Heating	dB (A)	57.0 / 60.0	60.0 / 60.0	60.0 / 63.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	13 (20)	16 (25)	20 (30)

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

ARWM140LAS5 / ARWM160LAS5
ARWM180LAS5

HP			14	16	18
Model Name	Combination Unit	-	ARWM140LAS5	ARWM160LAS5	ARWM180LAS5
	Independent Unit (1)	-	ARWM140LAS5	ARWM160LAS5	ARWM180LAS5
	Independent Unit (2)	-	-	-	-
	Independent Unit (3)	-	-	-	-
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	39.2	44.8	50.4
	Heating (Rated)	kW	44.1	50.4	56.7
Input	Cooling (Rated)	kW	6.22	7.32	8.40
	Heating (Rated)	kW	6.78	8.06	8.72
Efficiency	EER (Rated)	W/W	6.30	6.12	6.00
	COP (Rated)	W/W	6.50	6.25	6.50
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	29.6	37.7	24.6
	Rated Water Flow	LPM	135	154	173
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 1	(Inverter) x 1	(Inverter) x 1
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	3.5	3.5	4.5
	t-CO_2 eq	-	7.306	7.306	9.394
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Gas Pipe	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 22.22 (7/8)	Ø 22.22 (7/8)	Ø 22.22 (7/8)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	772 x 1,120 x 547	772 x 1,120 x 547	772 x 1,120 x 547
	Shipping	mm	820 x 1,245 x 645	820 x 1,245 x 645	820 x 1,245 x 645
Weight	Net	kg	149 x 1	149 x 1	158 x 1
	Shipping	kg	157 x 1	157 x 1	166 x 1
Sound Pressure Level	Cooling / Heating	dB (A)	52.0 / 53.0	52.0 / 56.0	54.0 / 57.0
Sound Power Level	Cooling / Heating	dB (A)	64.0 / 65.0	64.0 / 68.0	66.0 / 69.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	23 (35)	26 (40)	29 (45)

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

ARWM200LAS5

ARWM220LAS5
ARWM240LAS5

HP			20	22	24
Model Name	Combination Unit	-	ARWM200LAS5	ARWM220LAS5	ARWM240LAS5
	Independent Unit (1)	-	ARWM200LAS5	ARWM120LAS5	ARWM120LAS5
	Independent Unit (2)	-	-	ARWM100LAS5	ARWM120LAS5
	Independent Unit (3)	-	-	-	-
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	56.0	61.6	67.2
	Heating (Rated)	kW	63.0	69.3	75.6
Input	Cooling (Rated)	kW	10.69	9.33	10.28
	Heating (Rated)	kW	11.05	10.13	11.12
Efficiency	EER (Rated)	W/W	5.24	6.60	6.54
	COP (Rated)	W/W	5.70	6.84	6.80
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	29.9	22.1 + 15.9	22.1 + 22.1
	Rated Water Flow	LPM	192	115 + 96	115 + 115
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 1	(Inverter) x 2	(Inverter) x 2
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 2	5,300 x 2
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.5	3.5 + 3.5	3.5 + 3.5
	t-CO_2 eq	-	9.394	14.613	14.613
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Gas Pipe	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 34.9 (1-3/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 34.9 (1-3/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 22.22 (7/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	772 x 1,120 x 547	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2
	Shipping	mm	820 x 1,245 x 645	(820 x 1,245 x 645) x 2	(820 x 1,245 x 645) x 2
Weight	Net	kg	158 x 1	149 x 2	149 x 2
	Shipping	kg	166 x 1	157 x 2	157 x 2
Sound Pressure Level	Cooling / Heating	dB (A)	55.0 / 56.0	51.0 / 53.0	51.0 / 54.0
Sound Power Level	Cooling / Heating	dB (A)	67.0 / 68.0	64.0 / 66.0	64.0 / 67.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	32 (50)	35 (44)	39 (48)

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

ARWM260LAS5 / ARWM280LAS5
ARWM300LAS5

HP			26	28	30
Model Name	Combination Unit	-	ARWM260LAS5	ARWM280LAS5	ARWM300LAS5
	Independent Unit (1)	-	ARWM140LAS5	ARWM160LAS5	ARWM180LAS5
	Independent Unit (2)	-	ARWM120LAS5	ARWM120LAS5	ARWM120LAS5
	Independent Unit (3)	-	-	-	-
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	72.8	78.4	84.0
	Heating (Rated)	kW	81.9	88.2	94.5
Input	Cooling (Rated)	kW	11.36	12.46	13.54
	Heating (Rated)	kW	12.34	13.62	14.28
Efficiency	EER (Rated)	W/W	6.41	6.29	6.20
	COP (Rated)	W/W	6.64	6.48	6.62
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	29.6 + 22.1	37.7 + 22.1	24.6 + 22.1
	Rated Water Flow	LPM	135 + 115	154 + 115	173 + 115
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 2	(Inverter) x 2	(Inverter) x 2
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	3.5 + 3.5	3.5 + 3.5	4.5 + 3.5
	t-CO_2 eq	-	14.613	14.613	16.700
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2
	Shipping	mm	(820 x 1,245 x 645) x 2	(820 x 1,245 x 645) x 2	(820 x 1,245 x 645) x 2
Weight	Net	kg	149 x 2	149 x 2	(158 x 1) + (149 x 1)
	Shipping	kg	157 x 2	157 x 2	(166 x 1) + (157 x 1)
Sound Pressure Level	Cooling / Heating	dB (A)	53.0 / 55.0	53.0 / 57.0	55.0 / 58.0
Sound Power Level	Cooling / Heating	dB (A)	66.0 / 68.0	66.0 / 70.0	68.0 / 71.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	42 (52)	45 (56)	49 (60)

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

ARWM320LAS5 / ARWM340LAS5
ARWM360LAS5

HP			32	34	36
Model Name	Combination Unit	-	ARWM320LAS5	ARWM340LAS5	ARWM360LAS5
	Independent Unit (1)	-	ARWM200LAS5	ARWM200LAS5	ARWM200LAS5
	Independent Unit (2)	-	ARWM120LAS5	ARWM140LAS5	ARWM160LAS5
	Independent Unit (3)	-	-	-	-
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	89.6	95.2	100.8
	Heating (Rated)	kW	100.8	107.1	113.4
Input	Cooling (Rated)	kW	15.83	16.91	18.01
	Heating (Rated)	kW	16.61	17.83	19.11
Efficiency	EER (Rated)	W/W	5.66	5.63	5.60
	COP (Rated)	W/W	6.07	6.01	5.93
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	29.9 + 22.1	29.9 + 29.6	29.9 + 37.7
	Rated Water Flow	LPM	192 + 115	192 + 135	192 + 154
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 2	(Inverter) x 2	(Inverter) x 2
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.5 + 3.5	4.5 + 3.5	4.5 + 3.5
	t-CO_2 eq	-	16.700	16.700	16.700
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 41.3 (1-5/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 41.3 (1-5/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2
	Shipping	mm	(820 x 1,245 x 645) x 2	(820 x 1,245 x 645) x 2	(820 x 1,245 x 645) x 2
Weight	Net	kg	(158 x 1) + (149 x 1)	(158 x 1) + (149 x 1)	(158 x 1) + (149 x 1)
	Shipping	kg	(166 x 1) + (157 x 1)	(166 x 1) + (157 x 1)	(166 x 1) + (157 x 1)
Sound Pressure Level	Cooling / Heating	dB (A)	56.0 / 57.0	57.0 / 58.0	57.0 / 59.0
Sound Power Level	Cooling / Heating	dB (A)	69.0 / 70.0	70.0 / 71.0	70.0 / 72.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	52 (64)	55 (64)	58 (64)

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

ARWM380LAS5
ARWM400LAS5

ARWM420LAS5

HP			38	40	42
Model Name	Combination Unit	-	ARWM380LAS5	ARWM400LAS5	ARWM420LAS5
	Independent Unit (1)	-	ARWM200LAS5	ARWM200LAS5	ARWM200LAS5
	Independent Unit (2)	-	ARWM180LAS5	ARWM200LAS5	ARWM140LAS5
	Independent Unit (3)	-	-	-	ARWM080LAS5
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	106.4	112.0	117.6
	Heating (Rated)	kW	119.7	126.0	132.3
Input	Cooling (Rated)	kW	19.09	21.38	20.16
	Heating (Rated)	kW	19.77	22.10	21.33
Efficiency	EER (Rated)	W/W	5.57	5.24	5.83
	COP (Rated)	W/W	6.05	5.70	6.20
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	29.9 + 24.6	29.9 + 29.9	29.9 + 29.6 + 10.6
	Rated Water Flow	LPM	192 + 173	192 + 192	192 + 135 + 77
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 2	(Inverter) x 2	(Inverter) x 3
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 3
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.5 + 4.5	4.5 + 4.5	4.5 + 3.5 + 3.5
	t-CO_2 eq	-	18.788	18.788	24.006
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 3
	Shipping	mm	(820 x 1,245 x 645) x 2	(820 x 1,245 x 645) x 2	(820 x 1,245 x 645) x 3
Weight	Net	kg	158 x 2	158 x 2	(158 x 1) + (149 x 2)
	Shipping	kg	166 x 2	166 x 2	(166 x 1) + (157 x 2)
Sound Pressure Level	Cooling / Heating	dB (A)	58.0 / 60.0	58.0 / 59.0	57.0 / 58.0
Sound Power Level	Cooling / Heating	dB (A)	71.0 / 73.0	71.0 / 72.0	71.0 / 72.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	61 (64)	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

ARWM440LAS5 / ARWM460LAS5
ARWM480LAS5

HP			44	46	48
Model Name	Combination Unit	-	ARWM440LAS5	ARWM460LAS5	ARWM480LAS5
	Independent Unit (1)	-	ARWM200LAS5	ARWM200LAS5	ARWM200LAS5
	Independent Unit (2)	-	ARWM140LAS5	ARWM140LAS5	ARWM140LAS5
	Independent Unit (3)	-	ARWM100LAS5	ARWM120LAS5	ARWM140LAS5
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	123.2	128.8	134.4
	Heating (Rated)	kW	138.6	144.9	151.2
Input	Cooling (Rated)	kW	21.10	22.05	23.13
	Heating (Rated)	kW	22.40	23.39	24.61
Efficiency	EER (Rated)	W/W	5.84	5.84	5.81
	COP (Rated)	W/W	6.19	6.19	6.14
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	29.9 + 29.6 + 15.9	29.9 + 29.6 + 22.1	29.9 + 29.6 + 29.6
	Rated Water Flow	LPM	192 + 135 + 96	192 + 135 + 115	192 + 135 + 135
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 3	(Inverter) x 3	(Inverter) x 3
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	5,300 x 3
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.5 + 3.5 + 3.5	4.5 + 3.5 + 3.5	4.5 + 3.5 + 3.5
	t-CO_2 eq	-	24.006	24.006	24.006
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3
	Shipping	mm	(820 x 1,245 x 645) x 3	(820 x 1,245 x 645) x 3	(820 x 1,245 x 645) x 3
Weight	Net	kg	(158 x 1) + (149 x 2)	(158 x 1) + (149 x 2)	(158 x 1) + (149 x 2)
	Shipping	kg	(166 x 1) + (157 x 2)	(166 x 1) + (157 x 2)	(166 x 1) + (157 x 2)
Sound Pressure Level	Cooling / Heating	dB (A)	57.0 / 58.0	57.0 / 59.0	58.0 / 59.0
Sound Power Level	Cooling / Heating	dB (A)	71.0 / 72.0	71.0 / 73.0	72.0 / 73.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

ARWM500LAS5 / ARWM520LAS5
ARWM540LAS5

HP			50	52	54
Model Name	Combination Unit	-	ARWM500LAS5	ARWM520LAS5	ARWM540LAS5
	Independent Unit (1)	-	ARWM200LAS5	ARWM200LAS5	ARWM200LAS5
	Independent Unit (2)	-	ARWM200LAS5	ARWM200LAS5	ARWM200LAS5
	Independent Unit (3)	-	ARWM100LAS5	ARWM120LAS5	ARWM140LAS5
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	140.0	145.6	151.2
	Heating (Rated)	kW	157.5	164	170.1
Input	Cooling (Rated)	kW	25.57	27	27.60
	Heating (Rated)	kW	26.67	27.66	28.88
Efficiency	EER (Rated)	W/W	5.48	5.49	5.48
	COP (Rated)	W/W	5.91	5.92	5.89
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	29.9 + 29.9 + 15.9	29.9 + 29.9 + 22.1	29.9 + 29.9 + 29.6
	Rated Water Flow	LPM	192 + 192 + 96	192 + 192 + 115	192 + 192 + 135
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 3	(Inverter) x 3	(Inverter) x 3
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	5,300 x 3
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.5 + 4.5 + 3.5	4.5 + 4.5 + 3.5	4.5 + 4.5 + 3.5
	t-CO_2 eq	-	26.094	26.094	26.094
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3
	Shipping	mm	(820 x 1,245 x 645) x 3	(820 x 1,245 x 645) x 3	(820 x 1,245 x 645) x 3
Weight	Net	kg	(158 x 2) + (149 x 1)	(158 x 2) + (149 x 1)	(158 x 2) + (149 x 1)
	Shipping	kg	(166 x 2) + (157 x 1)	(166 x 2) + (157 x 1)	(166 x 2) + (157 x 1)
Sound Pressure Level	Cooling / Heating	dB (A)	59.0 / 59.0	59.0 / 60.0	59.0 / 60.0
Sound Power Level	Cooling / Heating	dB (A)	73.0 / 73.0	73.0 / 74.0	73.0 / 74.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

ARWM560LAS5 / ARWM580LAS5
ARWM600LAS5

HP			56	58	60
Model Name	Combination Unit	-	ARWM560LAS5	ARWM580LAS5	ARWM600LAS5
	Independent Unit (1)	-	ARWM200LAS5	ARWM200LAS5	ARWM200LAS5
	Independent Unit (2)	-	ARWM200LAS5	ARWM200LAS5	ARWM200LAS5
	Independent Unit (3)	-	ARWM160LAS5	ARWM180LAS5	ARWM200LAS5
	Independent Unit (4)	-	-	-	-
Capacity	Cooling (Rated)	kW	156.8	162.4	168.0
	Heating (Rated)	kW	176.4	182.7	189.0
Input	Cooling (Rated)	kW	28.70	29.78	32.07
	Heating (Rated)	kW	30.16	30.82	33.15
Efficiency	EER (Rated)	W/W	5.46	5.45	5.24
	COP (Rated)	W/W	5.85	5.93	5.70
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL (Classic)	-	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger	Type	-	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	29.9 + 29.9 + 37.7	29.9 + 29.9 + 24.6	29.9 + 29.9 + 29.9
	Rated Water Flow	LPM	192 + 192 + 154	192 + 192 + 173	192 + 192+ 192
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.	-	(Inverter) x 3	(Inverter) x 3	(Inverter) x 3
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	5,300 x 3
	Oil Type	-	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Refrigerant	Refrigerant Name	-	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.5 + 4.5 + 3.5	4.5 + 4.5 + 4.5	4.5 + 4.5 + 4.5
	t-CO_2 eq	-	26.094	28.181	28.181
	Control Type	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connecting Pipes	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
	Low Pressure Gas (Heat Recovery)	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
	High Pressure Gas (Heat Recovery)	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions (W x H x D)	Net	mm	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3
	Shipping	mm	(820 x 1,245 x 645) x 3	(820 x 1,245 x 645) x 3	(820 x 1,245 x 645) x 3
Weight	Net	kg	(158 x 2) + (149 x 1)	158 x 3	158 x 3
	Shipping	kg	(166 x 2) + (157 x 1)	166 x 3	166 x 3
Sound Pressure Level	Cooling / Heating	dB (A)	59.0 / 61.0	60.0 / 61.0	60.0 / 61.0
Sound Power Level	Cooling / Heating	dB (A)	73.0 / 75.0	74.0 / 75.0	74.0 / 75.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Power Supply	#1	V / Ø / Hz	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50	380 ~ 400 ~ 415, 3, 50
	Limit Range of Voltage (#1)	V	342 ~ 456	342 ~ 456	342 ~ 456
	#2	V / Ø / Hz	380, 3, 60	380, 3, 60	380, 3, 60
	Limit Range of Voltage (#2)	V	342 ~ 418	342 ~ 418	342 ~ 418
Number of Maximum Connectable Indoor Units		EA	64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2 kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160% ~ 200%). The recommended ratio is 130%.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Performances are based on the following conditions.
   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
   - Heating : Indoor temp 20°C (68°F) DB, Water inlet temp 20°C (68°F)
   - Interconnected Pipe Length is 7.5 m and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

INDOOR UNITS

114 ~ 183

Features & Benefits

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

Key Applications

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

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

※ ○: Applied, - : Not applied

Wi-Fi Control

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

ThinQ

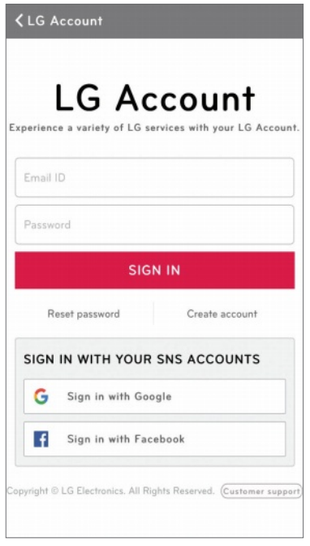
Search "ThinQ" on Google market or the App Store to download the app.

Integrated Home Appliances Control

Control / Monitor all your LG appliances from one place.

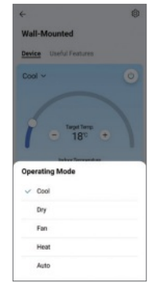
Easy Registration and Log-in

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



Simple operation for various functions

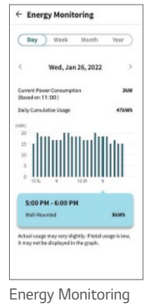
On / Off, Current Temp



Mode, Set Temp

Vane Control

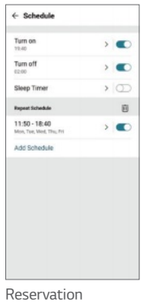
Straight forward Management



Energy Monitoring

Smart Diagnosis

Filter Management



Reservation

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

Wi-Fi Control

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

ThinQ

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

Access Your Air Conditioner Anytime and from Anywhere

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

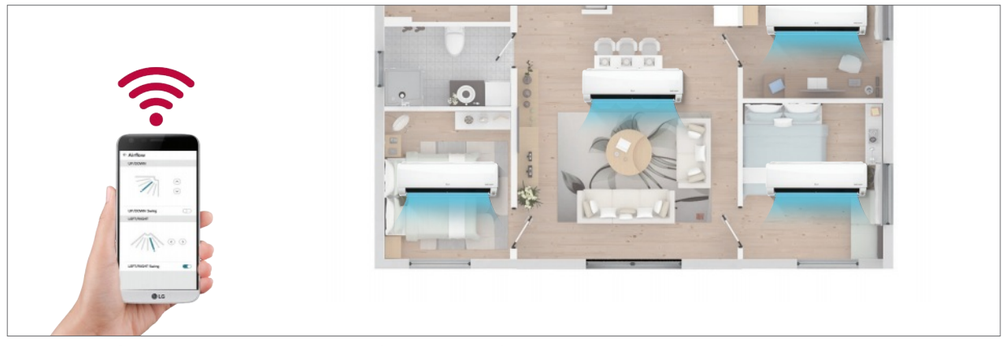
Wi-Fi Connectivity

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

Multiple Devices

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

Multi-Control



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

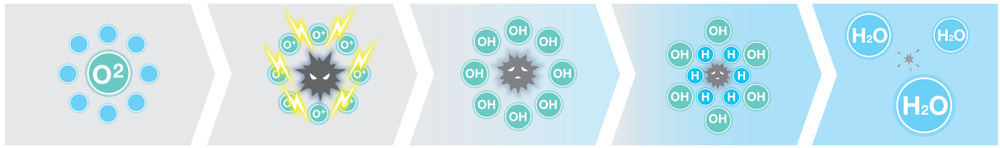
Ionizer^{PLUS}

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

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

Reduction and Deodorization (Utilizes Over 8 Million Ions)

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



Ion Cluster Generation
Ions are released into air

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

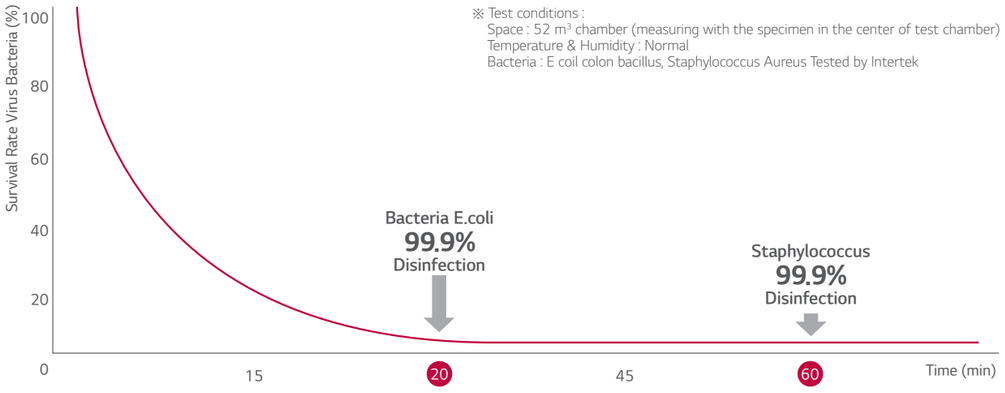
OH Radical Production
OH radicles inactivate harmful substances

Chemical Reaction
OH radicles bond with H particles

Disinfection
H_2O molecules are produced

Reduction Performance Evaluations

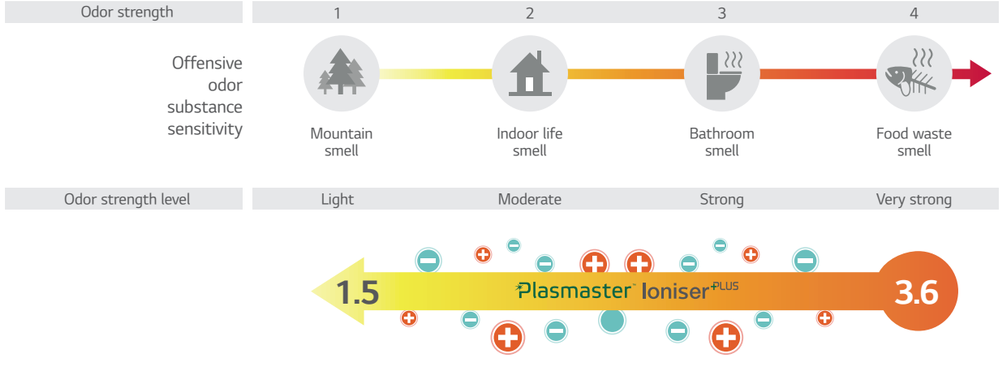
Reduce Bacteria E.coli over 99.9% in 20 min. and staphylococcus over 99.9% in 60 min.



※ Test conditions :
Space : 52 m^3 chamber (measuring with the specimen in the center of test chamber)
Temperature & Humidity : Normal
Bacteria : E coil colon bacillus, Staphylococcus Aureus Tested by Intertek

2.1 Odor Strength Decrease in 60 minutes

An odor of measured as 2 European odor units (ouE/m^3) or less indicates that the level of odor falls within permissible limits.



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

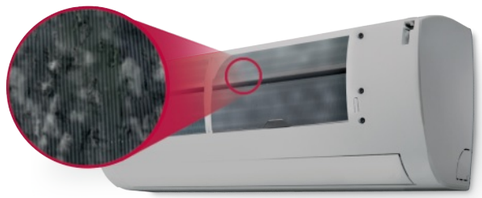
※ Test conditions Space : 8 m^3 chamber
Temperature & Humidify : Normal
Tested by Intertek

Auto Cleaning

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

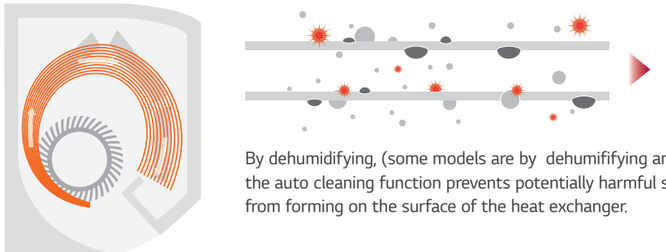
Pain Point

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

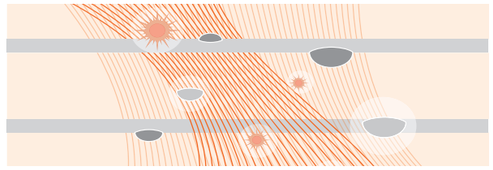


Cleans Filter with Regular Airflow

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



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

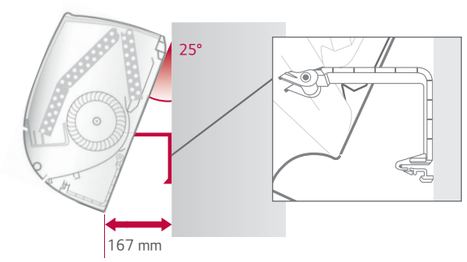


The indoor environment remains odorless with the advanced deodorizing function.

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

Installation Support Clip

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



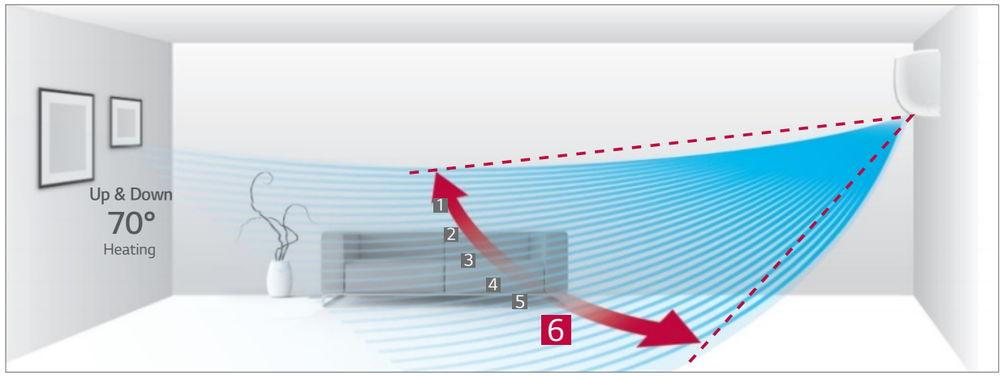
Auto Swing

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

※ Specifications may vary for each model.

6-step Vane Control up to 70°

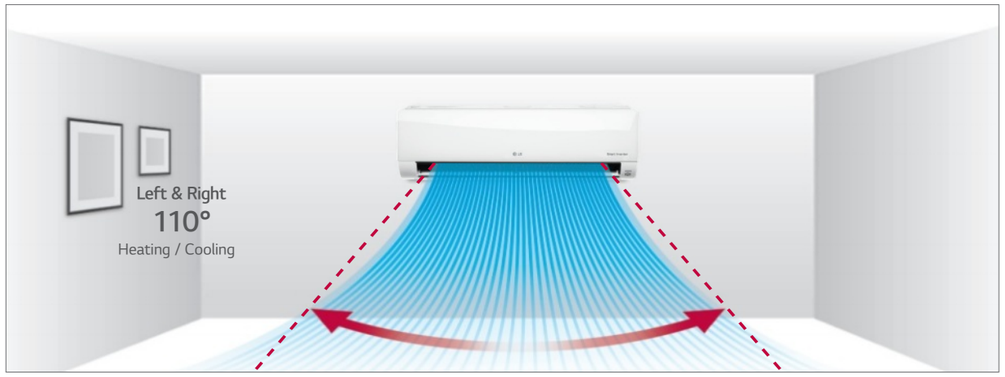
The vertical vane, which moves up and down, has 6 different settings including full-auto swing.



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

Control up to 110°

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



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

Easy and Simple Control

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

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

Up / Down Swing

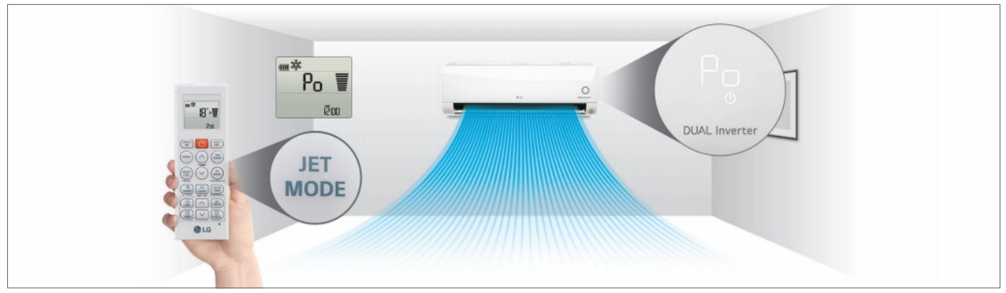
Jet Cool

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

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

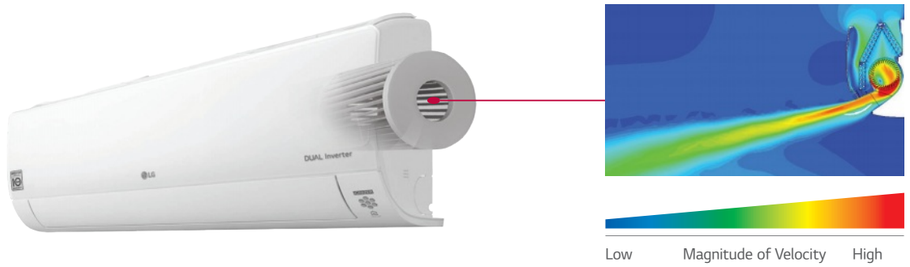
One Click "Jet Mode"

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



More Powerful Performance

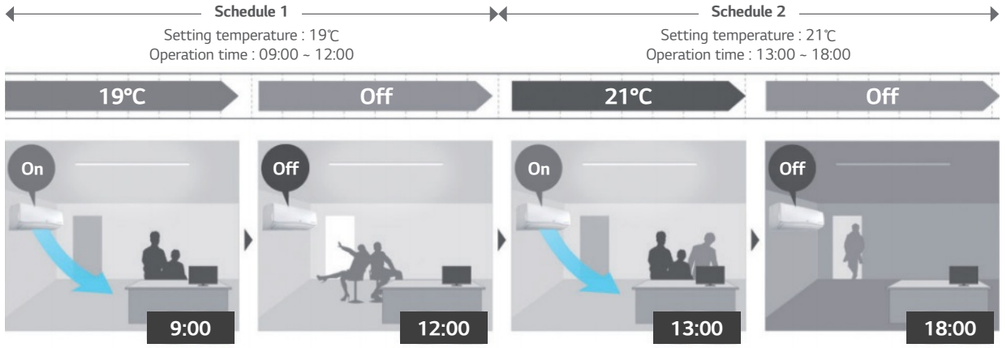
By reducing the second vortex, which decreases airflow within the air outlet, and enlarging the fan size, the amount of air flow is increased to 13 CMM.



Scheduled Operation

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

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



Two Thermistors Control

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

Group Control

Group control by remote controller (PREMTB101 / PREMTBB11) has more functions than previous model.

ARNU05GSJ*4 / ARNU07GSJ*4 / ARNU09GSJ*4
ARNU12GSJ*4 / ARNU15GSJ*4

MODEL		UNIT	ARNU05GSJ*4	ARNU07GSJ*4	ARNU09GSJ*4	ARNU12GSJ*4	ARNU15GSJ*4
Cooling Capacity		kW	1.6	2.2	2.8	3.6	4.5
Heating Capacity		kW	1.8	2.5	3.2	4.0	5.0
Power Input (H / M / L)	Nominal	W	11 / 10 / 9	12 / 11 / 9	13 / 12 / 9	15 / 13 / 11	23 / 18 / 11
Exterior Color			White	White	White	White	White
RAL Code			RAL 9016	RAL 9016	RAL 9016	RAL 9016	RAL 9016
Dimensions (W x H x D)	Body	mm	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189
	Shipping	mm	892 x 381 x 249	892 x 381 x 249	892 x 381 x 249	892 x 381 x 249	892 x 381 x 249
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1	30 x 1	30 x 1	30 x 1
	Air Flow Rate (H / M / L)	m³/min	6.8 / 6.5 / 5.9	7.2 / 6.8 / 5.9	7.8 / 7.2 / 5.9	8.5 / 7.8 / 6.8	10.5 / 9.5 / 6.8
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)
Weight	Body	kg	8.4	8.4	8.4	8.4	8.4
Sound Pressure Levels (H / M / L)		dB (A)	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32
Sound Power Levels (H / M / L)		dB (A)	45 / 43 / 42	46 / 45 / 42	48 / 46 / 42	51 / 48 / 45	55 / 52 / 45
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C

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

Accessories

CHASSIS	ARNU05GSJ*4	ARNU07GSJ*4	ARNU09GSJ*4	ARNU12GSJ*4	ARNU15GSJ*4
Drain Pump	-				
Cassette Cover	-				
Refrigerant Leakage Detector	PRLDNVS0 (R410a)				
EEV Kit	PRGK024A0				
Multi-tenant Power Module	PINPMB001				
Robot Cleaner	-				
Pre Filter (Washable)	○				
Ion Generator	○				
CO_2 Sensor	-				
Ventilation Kit	-				
IR Receiver	-				
Zone Controller	-				
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)				
External Input (1 Point)	○				
Wi-Fi	○				

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

ARNU18GSK*4 / ARNU24GSK*4

MODEL		UNIT	ARNU18GSK*4	ARNU24GSK*4
Cooling Capacity		kW	5.6	7.1
Heating Capacity		kW	6.3	7.5
Power Input (H / M / L)	Nominal	W	32 / 26 / 16	39 / 26 / 16
Exterior Color			White	White
RAL Code			RAL 9016	RAL 9016
Dimensions (W x H x D)	Body	mm	975 x 354 x 209	975 x 354 x 209
	Shipping	mm	1,063 x 420 x 274	1,063 x 420 x 274
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	58 x 1	58 x 1
	Air Flow Rate (H / M / L)	m³/min	14.0 / 12.0 / 10.5	15.2 / 12.7 / 10.5
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 16 (5/8)	Ø 16 (5/8)
Weight	Body	kg	12.2	12.2
Sound Pressure Levels (H / M / L)		dB (A)	43 / 39 / 34	46 / 41 / 34
Sound Power Levels (H / M / L)		dB (A)	59 / 56 / 52	63 / 56 / 52
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C

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

Accessories

CHASSIS	ARNU18GSK*4	ARNU24GSK*4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	○	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	○	

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

ARNU30GSVA4 / ARNU36GSVA4

MODEL		UNIT	ARNU30GSVA4	ARNU36GSVA4
Cooling Capacity		kW	8.8	10.4
Heating Capacity		kW	9.4	10.8
Power Input (H / M / L)	Nominal	W	54 / 43 / 31	85 / 51 / 36
Exterior Color			White	White
RAL Code			RAL 9016	RAL 9016
Dimensions (W x H x D)	Body	mm	1,190 x 346 x 265	1,190 x 346 x 265
	Shipping	mm	1,265 x 432 x 335	1,265 x 432 x 335
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	113 x 1	113 x 1
	Air Flow Rate (H / M / L)	m³/min	23.0 / 20.0 / 17.0	26.0 / 23.0 / 19.0
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 16 (5/8)	Ø 16 (5/8)
Weight	Body	kg	16.6	16.6
Sound Pressure Levels (H / M / L)		dB (A)	49 / 44 / 42	52 / 47 / 43
Sound Power Levels (H / M / L)		dB (A)	60 / 60 / 56	63 / 60 / 58
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C

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

Accessories

CHASSIS	ARNU30GSVA4	ARNU36GSVA4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	-	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200[1)]	

※ ○ : Applied, - : Not applied
Option : Refer to model name in table
1) External installation only

NOTE

Features & Benefits

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

Key Applications

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

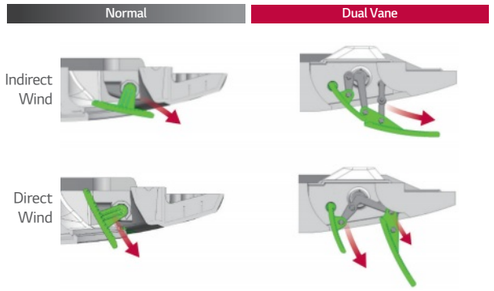
Cassette		4 Way	2 Way	1 Way
Smart	Wi-Fi	○	○	○
Energy Efficiency	Human Detect Sensor	○	-	-
Comfort	Drain Pump	○	○	○
	Sleep Mode	○	○	○
	Timer (On / Off)	○	○	○
	Timer (Weekly)	○	○	○
	Two Thermistor Control	○	○	○
	Group Control	○	○	○

※ ○: Applied, - : Not applied

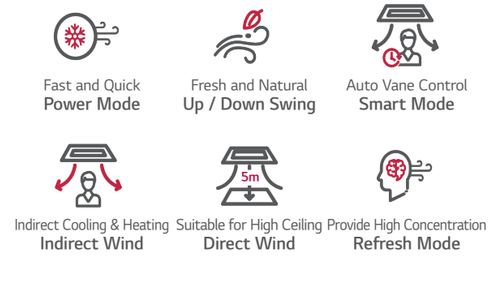
4 Way Air Flow with New Design

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

*New Types Wind



*6 Airflows Mode



Brighter Color

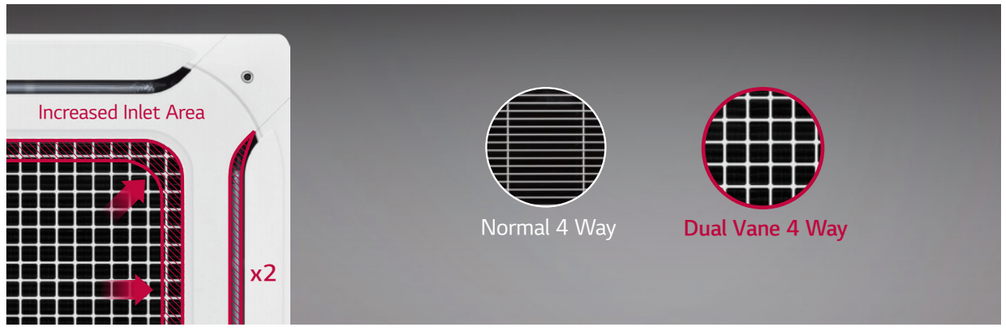
Color enhancement allows cassette to blend in to most interior ceiling spaces.

Normal Ivory

Dual Vane White

Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.



Full 3D Turbo Fan

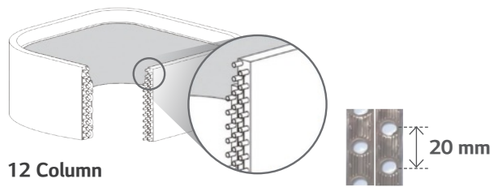
Full 3D Turbo fan decreases air resistance, so it creates high efficiency and reduces noise level.

Normal Ivory | Dual Vane White

High Efficiency Heat Exchanger (HEX)

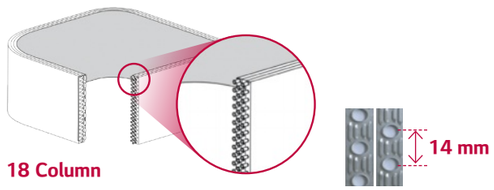
Ø 5 High Density Heat Exchanger increases cooling / heating efficiency by 10%.

Normal Ø 7 HEX



Tube Column	12 Column
Fin per Inch	21

High Efficient Ø 5 HEX



Tube Column	18 Column
Fin per Inch	22

Ceiling to Floor Temperature Sensing

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

Human Detection Air Flow

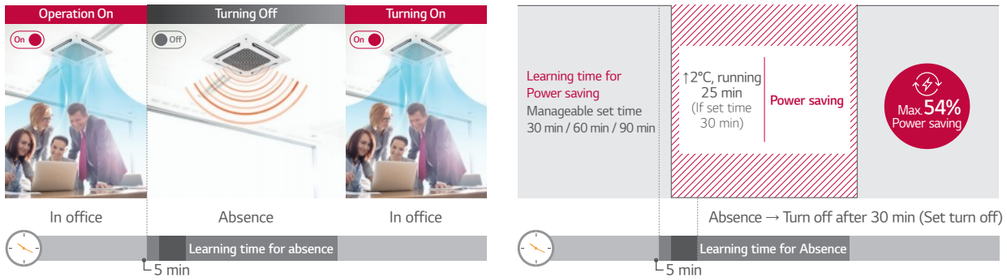
Human detection provides users with direct or indirect air flow preferences.

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

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

Human Detection for Optimized Efficiency

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



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

High-performance Air Cleaning

Air cleaning function provides fresh, filtered air.

Convenient & Powerful 5-step Air Purification

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

Air Purification Kit

Air Purification Panel

Cycle Management

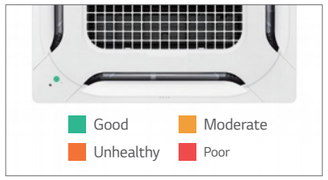
Pre-filter	PM1.0 Filter	Deodorization Filter
Washable	6 months / Washable	6 months / Dry in sunlight

Air Quality Level Display

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

① IDU LED

Real-time indoor air quality level displayed on indoor unit

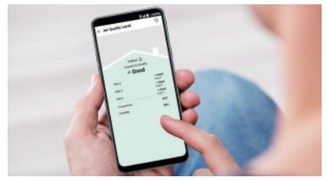


② Remote controller

Air quality level displayed on remote controller

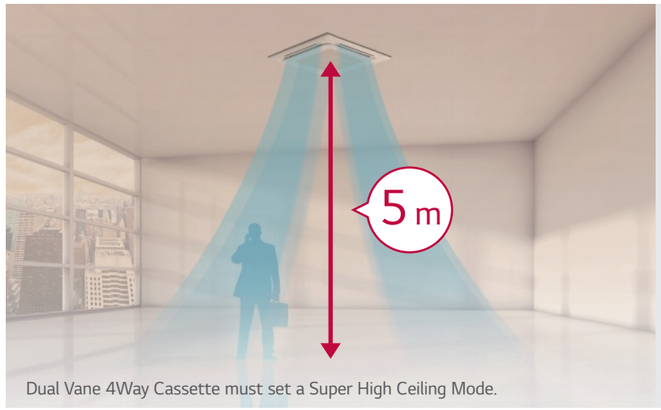
③ Mobile

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



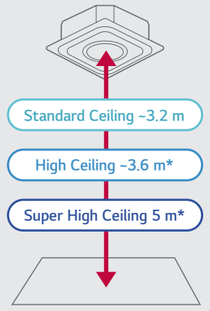
Direct Wind

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



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

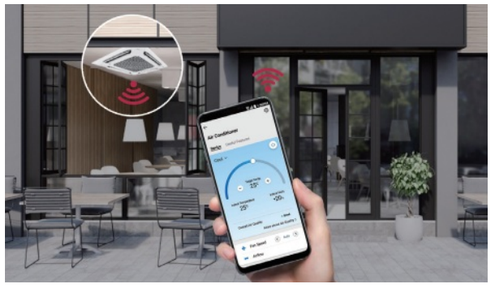
Recommended direct wind reach



* Settings are required in installer mode.

ThinQ Connectivity

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



① Monitoring air status : Easy to check indoor air status
- Ultra Fine / Extra Fine / Fine Dust
- Day / Week / Month / Yearly

② Mobile remote control : Remote control by using mobile phone
- Control Mode / Temperature / Air flow etc.

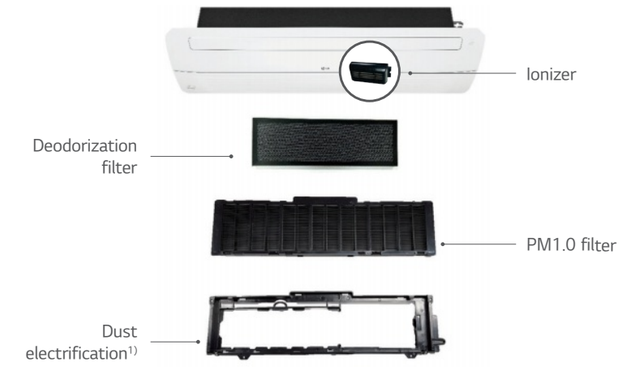
③ Display power consumption : Check power consumption of A/C
- Check energy display
- Set target energy consumption level

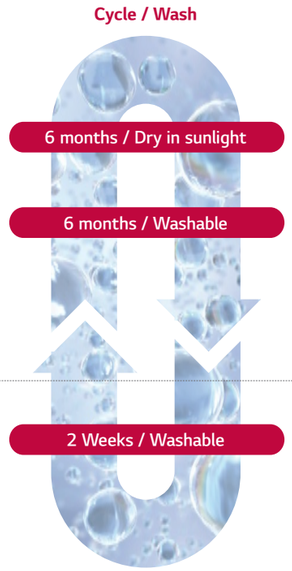
※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

Easy Filter Cleaning for Air Purification

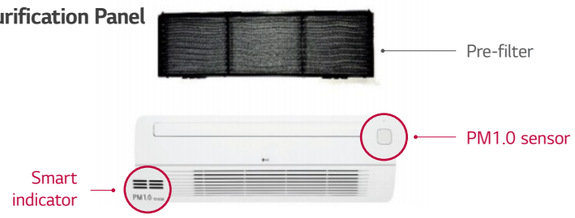
Air purification kit filters do not need replacement and can be used semi-permanently.
Also, thanks to easy maintenance, users can use air purification conveniently without any worries about filter's cleanliness.

Air Purification Kit





Air Purification Panel



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

Direct & Indirect Wind

Provides users with direct or indirect air flow preferences.

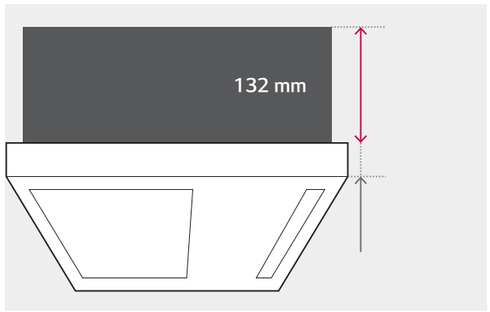
Comfort Indirect Wind

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

Cooler on a hot day.

Minimized Height (1 Way)

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



Size Comparison

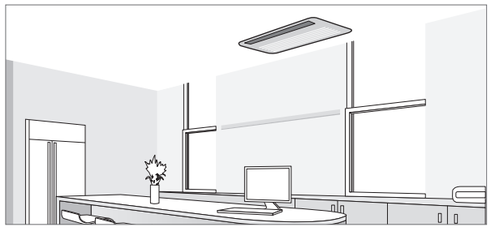
(Unit : mm)

	A Company	B Company	LG
1 Way Cassette	215	230	132

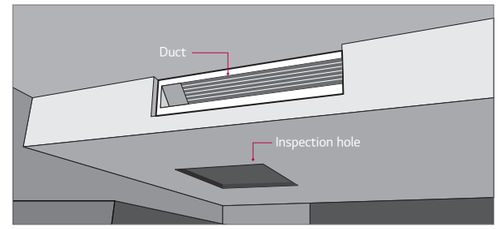
Flexible Installation (1 Way)

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

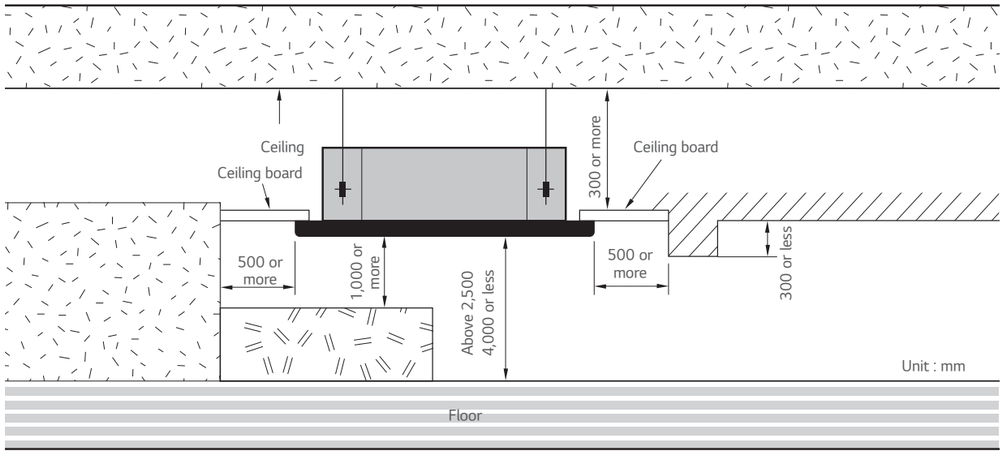
1 Way Cassette



Duct



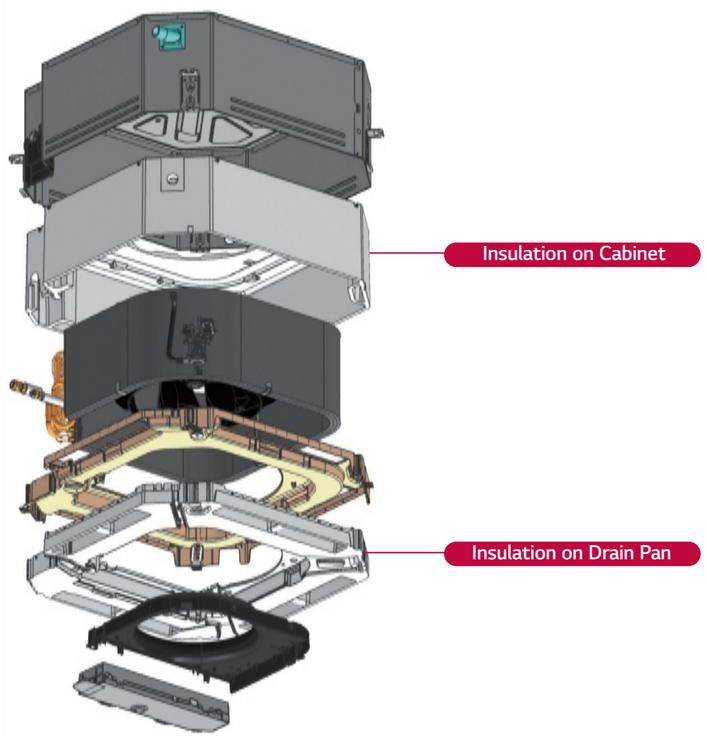
Installation Standard (1 Way)

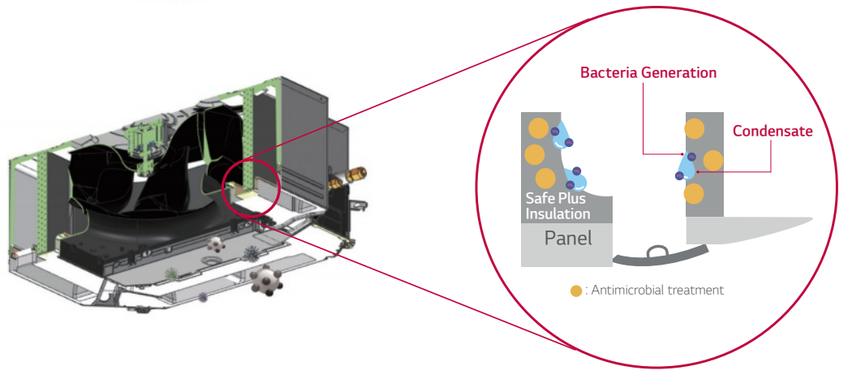


Safe Plus Insulation

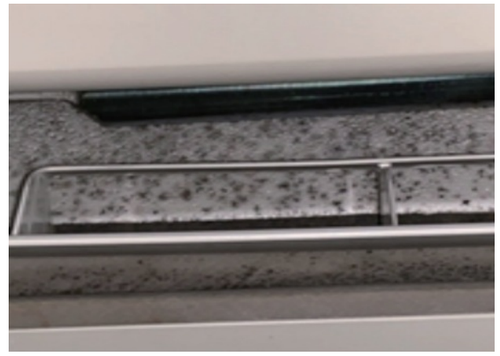
Why LG Safe Plus Insulation?

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





What's the Hygiene Inside of Your Air Conditioner?



Example of EPS Pollution case.

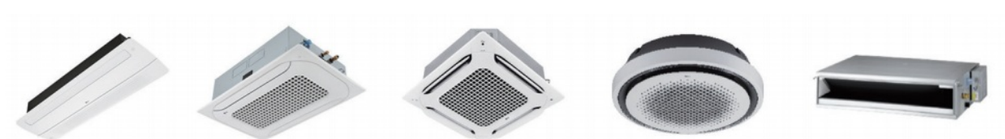
Today's air conditioners, as well as fast cooling & energy saving are now basic, and all brand communicate each benefit of filtering bacteria, dust and mold and purifying contaminated air. However, What's the hygiene inside the air conditioner? If the inside of the air conditioner is contaminated, what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

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

EPS Insulator | EPS Cabinet | EPS Drain Pan

EPS Air Guide | EPS Supporter

EPS for Resistant to Bacterial Growth Applied Product



ARNU24GTBB4 / ARNU28GTBB4
ARNU30GTBB4

MODEL		UNIT	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Cooling Capacity		kW	7.1	8.2	9.0
Heating Capacity		kW	8.0	9.2	10.0
Power Input (H / M / L)	Nominal	W	32 / 27 / 20	37 / 30 / 22	48 / 36 / 25
Dimensions (W x H x D)	Body	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
	Shipping	mm	922 x 276 x 917	922 x 276 x 917	922 x 276 x 917
Fan	Type		Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan
	Motor Output x Number	W	51 x 1	51 x 1	51 x 1
	Air Flow Rate (H / M / L)	m^3/min	18 / 17 / 15	19 / 17 / 15	21 / 19 / 16
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	21	21	21
Sound Pressure Level (H / M / L)		dB (A)	39 / 37 / 35	40 / 38 / 35	43 / 40 / 36
Sound Power Level (H / M / L)		dB (A)	46 / 44 / 42	50 / 46 / 43	53 / 50 / 45
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable (VCTF-SB)		mm^2 x cores	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2
Decoration Panel (Accessory)	Model Name		PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0
	Exterior Color		White	White	White
	RAL Code		RAL 9003	RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5

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

Accessories

CHASSIS	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Drain Pump	○		
Cassette Cover	PTDCA		
Refrigerant Leakage Detector	PRLDNVS0 (R410a)		
EEV Kit	-		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○		
Wi-Fi	PWFMDD200		
Human Detection Sensor	PTVSAA0		
Floor Temperature Sensor	PTFSMA0		
Air Purification Kit	PTAHMP0 (PT-AFGW0 panel required)		
Elevation Grille	-		

ARNU36GTAB4 / ARNU42GTAB4
ARNU48GTAB4

MODEL		UNIT	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Cooling Capacity		kW	10.6	12.3	14.1
Heating Capacity		kW	11.9	13.8	15.9
Power Input (H / M / L)	Nominal	W	69 / 49 / 37	97 / 69 / 49	110 / 76 / 61
Dimensions (W x H x D)	Body	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping	mm	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917
Fan	Type		Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan
	Motor Output x Number	W	135 x 1	135 x 1	135 x 1
	Air Flow Rate (H / M / L)	m^3/min	29 / 26 / 22	33 / 29 / 26	34 / 30 / 28
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	27	27	27
Sound Pressure Level (H / M / L)		dB (A)	43 / 40 / 37	47 / 43 / 40	48 / 44 / 42
Sound Power Level (H / M / L)		dB (A)	54 / 51 / 47	56 / 53 / 49	58 / 54 / 53
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable (VCTF-SB)		mm^2 x cores	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2
Decoration Panel (Accessory)	Model Name		PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0
	Exterior Color		White	White	White
	RAL Code		RAL 9003	RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5

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

Accessories

CHASSIS	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Drain Pump	○		
Cassette Cover	PTDCA		
Refrigerant Leakage Detector	PRLDNVS0 (R410a)		
EEV Kit	-		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○		
Wi-Fi	PWFMDD200		
Human Detection Sensor	PTVSAA0		
Floor Temperature Sensor	PTFSMA0		
Air Purification Kit	PTAHMP0 (PT-AFGW0 panel required)		
Elevation Grille	-		

High sensible

ARNU05GTAA4 / ARNU07GTAA4 / ARNU09GTAA4
ARNU12GTAA4 / ARNU15GTAA4 / ARNU18GTAA4

MODEL		UNIT	ARNU05GTAA4	ARNU07GTAA4	ARNU09GTAA4	ARNU12GTAA4	ARNU15GTAA4	ARNU18GTAA4
Cooling Capacity		kW	1.6	2.2	2.8	3.6	4.5	5.6
Heating Capacity		kW	1.8	2.5	3.2	4.0	5.0	6.3
Power Input (H / M / L)	Nominal	W	20 / 15 / 11	23 / 16 / 11	25 / 18 / 11	26 / 19 / 13	29 / 20 / 15	31 / 23 / 16
Dimensions (W x H x D)	Body	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping	mm	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917
Fan	Type		Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan
	Motor Output x Number	W	166 x 1	166 x 1	166 x 1	166 x 1	166 x 1	166 x 1
	Running Current	A	0.21	0.23	0.25	0.25	0.27	0.28
	Air Flow Rate (H / M / L)	m^3/min	18 / 15 / 13	19 / 16 / 13	19 / 16 / 13	20 / 17 / 15	20 / 17 / 15	21 / 19 / 16
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	27	27	27	27	27	27
Sound Pressure Level (H / M / L)		dB (A)	32 / 29 / 26	32 / 30 / 26	33 / 30 / 26	34 / 31 / 27	34 / 32 / 29	35 / 32 / 30
Sound Power Level (H / M / L)		dB (A)	40 / 37 / 36	41 / 38 / 36	42 / 39 / 36	42 / 40 / 37	43 / 40 / 38	44 / 41 / 38
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable (VCTF-SB)		mm^2 x cores	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0~1.5 x 2	1.0 ~ 1.5 x 2
Decoration Panel (Accessory)	Model Name		PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0
	Exterior Color		White	White	White	White	White	White
	RAL Code		RAL 9003	RAL 9003	RAL 9003	RAL 9003	RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5

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

Accessories

CHASSIS	ARNU05GTAA4	ARNU07GTAA4	ARNU09GTAA4	ARNU12GTAA4	ARNU15GTAA4	ARNU18GTAA4
Drain Pump	○					
Cassette Cover	PTDCA					
Refrigerant Leakage Detector	PRLDNVS0 (R410a)					
EEV Kit	-					
Multi-tenant Power Module	PINPMB001					
Robot Cleaner	-					
Pre Filter (Washable)	○					
Ion Generator	-					
CO_2 Sensor	-					
Ventilation Kit	-					
IR Receiver	-					
Zone Controller	-					
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)					
External Input (1 Point)	○					
Wi-Fi	PWFMDD200					
Human Detection Sensor	PTVSAA0					
Floor Temperature Sensor	PTFSMA0					
Air Purification Kit	PTAHMP0 (PT-AFGW0 panel required)					
Elevation Grille	-					

High sensible

ARNU24GTAA4 / ARNU28GTAA4 / ARNU36GTAA4
ARNU42GTAA4 / ARNU48GTAA4

MODEL		UNIT	ARNU24GTAA4	ARNU28GTAA4	ARNU36GTAA4	ARNU42GTAA4	ARNU48GTAA4
Cooling Capacity		kW	7.1	8.2	10.6	12.3	14.1
Heating Capacity		kW	8.0	9.2	11.9	13.8	15.9
Power Input (H / M / L)	Nominal	W	40 / 31 / 25	46 / 35 / 26	65 / 43 / 31	86 / 65 / 43	100 / 67 / 53
Dimensions (W x H x D)	Body	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping	mm	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917	922 x 360 x 917
Fan	Type		Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan	Full 3D Turbo Fan
	Motor Output x Number	W	166 x 1	166 x 1	166 x 1	166 x 1	166 x 1
	Running Current	A	0.38	0.46	0.60	0.80	0.88
	Air Flow Rate (H / M / L)	m^3/min	23 / 21 / 19	24 / 22 / 20	28 / 24 / 21	31 / 28 / 24	33 / 28 / 26
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	27	27	27	27	27
Sound Pressure Level (H / M / L)		dB (A)	39 / 36 / 33	40 / 37 / 34	42 / 39 / 35	46 / 42 / 39	47 / 43 / 41
Sound Power Level (H / M / L)		dB (A)	47 / 45 / 42	48 / 46 / 42	51 / 48 / 44	54 / 51 / 48	56 / 52 / 50
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable (VCTF-SB)		mm^2 x cores	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0~1.5 x 2	1.0 ~ 1.5 x 2
Decoration Panel (Accessory)	Model Name		PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0	PT-AAGW0 PT-AFGW0
	Exterior Color		White	White	White	White	White
	RAL Code		RAL 9003	RAL 9003	RAL 9003	RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5

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

Accessories

CHASSIS	ARNU24GTAA4	ARNU28GTAA4	ARNU36GTAA4	ARNU42GTAA4	ARNU48GTAA4
Drain Pump	○				
Cassette Cover	PTDCA				
Refrigerant Leakage Detector	PRLDNVS0 (R410a)				
EEV Kit	-				
Multi-tenant Power Module	PINPMB001				
Robot Cleaner	-				
Pre Filter (Washable)	○				
Ion Generator	-				
CO_2 Sensor	-				
Ventilation Kit	-				
IR Receiver	-				
Zone Controller	-				
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)				
External Input (1 Point)	○				
Wi-Fi	PWFMDD200				
Human Detection Sensor	PTVSAA0				
Floor Temperature Sensor	PTFSMA0				
Air Purification Kit	PTAHMP0 (PT-AFGW0 panel required)				
Elevation Grille	-				

ARNU24GTPA4 / ARNU28GTPA4
ARNU30GTPA4 / ARNU36GTNA4

MODEL		UNIT	ARNU24GTPA4	ARNU28GTPA4	ARNU30GTPA4	ARNU36GTNA4
Cooling Capacity		kW	7.1	8.2	9.0	10.6
Heating Capacity		kW	8.0	9.2	10.0	11.9
Power Input (H / M / L)	Nominal	W	18 / 16 / 14	20 / 17 / 15	26 / 24 / 21	70 / 53 / 43
Dimensions (W x H x D)	Body	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840
	Shipping	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1	30 x 1	135 x 1
	Air Flow Rate (H / M / L)	m³/min	17.0 / 15.0 / 13.0	19.0 / 16.0 / 14.0	24.3 / 22.8 / 19.5	25 / 21 / 19
	Motor Type		BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)
Weight	Body	kg	20.8 (45.8)	20.8 (45.8)	20.8 (45.8)	23.5 (51.8)
Sound Pressure Levels (H / M / L)		dB (A)	36 / 34 / 31	39 / 35 / 33	40 / 36 / 33	43 / 40 / 37
Sound Power Levels (H / M / L)		dB (A)	46 / 44 / 43	52 / 46 / 44	58 / 57 / 54	56 / 53 / 51
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Decoration Panel (Accessory)	Model Name		PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001	RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	950 x 25 x 950 950 x 35 x 950	950 x 25 x 950 950 x 35 x 950	950 x 25 x 950 950 x 35 x 950	950 x 25 x 950 950 x 35 x 950
	Net Weight	kg	5.0 / 6.3	5.0 / 6.3	5.0 / 6.3	5.0 / 6.3

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

Accessories

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

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

ARNU42GTMA4 / ARNU48GTMA4
ARNU54GTMA4

MODEL		UNIT	ARNU42GTMA4	ARNU48GTMA4	ARNU54GTMA4
Cooling Capacity		kW	12.3	14.1	15.8
Heating Capacity		kW	13.8	15.9	18.0
Power Input (H / M / L)	Nominal	W	86 / 78 / 69	89 / 84 / 78	98 / 92 / 78
Dimensions (W x H x D)	Body	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	135 x 1	135 x 1	135 x 1
	Air Flow Rate (H / M / L)	m³/min	30 / 27 / 24	31 / 29 / 27	34 / 32 / 27
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	25 (1)
Weight	Body	kg	25.6 (56.4)	25.6 (56.4)	26.5 (58.4)
Sound Pressure Levels (H / M / L)		dB (A)	44 / 41 / 38	46 / 43 / 41	50 / 48 / 44
Sound Power Levels (H / M / L)		dB (A)	58 / 55 / 50	60 / 56 / 55	60 / 58 / 55
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Decoration Panel (Accessory)	Model Name		PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	950 x 25 x 950 950 x 35 x 950	950 x 25 x 950 950 x 35 x 950	950 x 25 x 950 950 x 35 x 950
	Net Weight	kg	5.0 / 6.3	5.0 / 6.3	5.0 / 6.3

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

Accessories

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

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

ARNU05GTRB4 / ARNU07GTRB4
ARNU09GTRB4 / ARNU12GTRB4

MODEL		UNIT	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Cooling Capacity		kW	1.6	2.2	2.8	3.6
Heating Capacity		kW	1.8	2.5	3.2	4.0
Power Input (H / M / L)	Nominal	W	13 / 12 / 11	13 / 12 / 11	14 / 13 / 12	17 / 15 / 13
Dimensions (W x H x D)	Body	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570
	Shipping	mm	667 x 285 x 646	667 x 285 x 646	667 x 285 x 646	667 x 285 x 646
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	W	43 x 1	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m³/min	7.5 / 7.0 / 6.6	7.5 / 7.0 / 6.6	8.0 / 7.5 / 7.1	8.7 / 8.0 / 7.0
	Motor Type		BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	12.6	12.6	13.7	13.7
Sound Pressure Levels (H / M / L)		dB (A)	29 / 27 / 26	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27
Sound Power Levels (H / M / L)		dB (A)	47 / 46 / 45	47 / 46 / 45	48 / 46 / 45	51 / 48 / 45
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Decoration Panel (Accessory)	Model Name		PT-QAGW0	PT-QAGW0	PT-QAGW0	PT-QAGW0
	Exterior Color		White	White	White	White
	RAL Code		RAL 9001	RAL 9001	RAL 9001	RAL 9001
	Net 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
	Net Weight	kg	3.2 / 3.0 / 2.9	3.2 / 3.0 / 2.9	3.2 / 3.0 / 2.9	3.2 / 3.0 / 2.9

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

Accessories

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

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

ARNU15GTQB4 / ARNU18GTQB4
ARNU21GTQB4

MODEL		UNIT	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Cooling Capacity		kW	4.5	5.6	6.0
Heating Capacity		kW	5.0	6.3	6.8
Power Input (H / M / L)	Nominal	W	24 / 21 / 18	25 / 22 / 19	28 / 23 / 20
Dimensions (W x H x D)	Body	mm	570 x 256 x 570	570 x 256 x 570	570 x 256 x 570
	Shipping	mm	667 x 327 x 646	667 x 327 x 646	667 x 327 x 646
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	W	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m³/min	11.0 / 10.0 / 9.3	11.2 / 11.0 / 10.0	12.0 / 11.1 / 9.4
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	15.0	15.0	15.0
Sound Pressure Levels (H / M / L)		dB (A)	36 / 34 / 32	37 / 35 / 34	40 / 38 / 34
Sound Power Levels (H / M / L)		dB (A)	52 / 50 / 46	52 / 50 / 46	54 / 52 / 46
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Decoration Panel (Accessory)	Model Name		PT-QAGW0	PT-QAGW0	PT-QAGW0
	Exterior Color		White	White	White
	RAL Code		RAL 9001	RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620
	Net Weight	kg	3.2 / 3.0 / 2.9	3.2 / 3.0 / 2.9	3.2 / 3.0 / 2.9

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

Accessories

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

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

ARNU09GTSC4 / ARNU12GTSC4

MODEL		UNIT	ARNU09GTSC4	ARNU12GTSC4
Cooling Capacity		kW	2.8	3.6
Heating Capacity		kW	3.2	4.0
Power Input (H / M / L)	Nominal	W	16 / 14 / 11	18 / 14 / 11
Dimensions (W x H x D)	Body	mm	830 x 225 x 600	830 x 225 x 600
	Shipping	mm	1,055 × 290 × 682	1,055 × 290 × 682
Fan	Type		Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	37 x 1	37 x 1
	Air Flow Rate (H / M / L)	m³/min	10.8 / 9.8 / 9.1	11.1 / 10.3 / 9.1
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	18.1	18.1
Sound Pressure Levels (H / M / L)		dB (A)	33 / 31 / 29	34 / 32 / 29
Sound Power Levels (H / M / L)		dB (A)	44 / 41 / 40	44 / 42 / 40
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable		mm²	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Decoration Panel (Accessory)	Model Name		PT-USC	PT-USC
	Exterior Color		Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	1,100 x 28 x 690	1,100 x 28 x 690
	Net Weight	kg	4.7	4.7

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

Accessories

CHASSIS	ARNU09GTSC4	ARNU12GTSC4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0 (~5.6 kW)	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNU18GTSC4 / ARNU24GTSC4

MODEL		UNIT	ARNU18GTSC4	ARNU24GTSC4
Cooling Capacity		kW	5.6	7.1
Heating Capacity		kW	6.3	8.0
Power Input (H / M / L)	Nominal	W	19 / 16 / 14	31 / 22 / 14
Dimensions (W x H x D)	Body	mm	830 x 225 x 600	830 x 225 x 600
	Shipping	mm	1,055 × 290 × 682	1,055 × 290 × 682
Fan	Type		Turbo Fan	Turbo Fan
	Motor Output x Number	W x No.	37 x 1	37 x 1
	Air Flow Rate (H / M / L)	m³/min	11.8 / 10.8 / 9.8	14.5 / 12.4 / 10.3
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	18.1	18.1
Sound Pressure Levels (H / M / L)		dB (A)	35 / 33 / 31	40 / 37 / 33
Sound Power Levels (H / M / L)		dB (A)	45 / 44 / 41	51 / 48 / 42
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable		mm²	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C
Decoration Panel (Accessory)	Model Name		PT-USC	PT-USC
	Exterior Color		Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	1,100 x 28 x 690	1,100 x 28 x 690
	Net Weight	kg	4.7	4.7

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

Accessories

Chassis	ARNU18GTSC4	ARNU24GTSC4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0 (~5.6 kW)	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNU07GTUB4 / ARNU09GTUB4
ARNU12GTUB4

MODEL		UNIT	ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4
Cooling Capacity		kW	2.2	2.8	3.6
Heating Capacity		kW	2.5	3.2	4.0
Power Input (H / M / L)	Nominal	W	20 / 18 / 16	22 / 20 / 18	24 / 22 / 20
Dimensions (W x H x D)	Body	mm	860 x 132 x 450	860 x 132 x 450	860 x 132 x 450
	Shipping	mm	1,129 x 259 x 538	1,129 x 259 x 538	1,129 x 259 x 538
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1	30 x 1
	Air Flow Rate (H / M / L)	m³/min	8.2 / 7.3 / 6.4	9.2 / 8.6 / 8.2	10.0 / 9.2 / 8.2
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	12.2	12.2	12.2
Sound Pressure Levels (H / M / L)		dB (A)	32 / 29 / 25	35 / 34 / 32	38 / 35 / 32
Sound Power Levels (H / M / L)		dB (A)	47 / 44 / 41	51 / 49 / 47	52 / 51 / 47
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Decoration Panel (Accessory)	Model Name		PT-UAHG0, PT-UAHW0, PT-UPHG0	PT-UAHG0, PT-UAHW0, PT-UPHG0	PT-UAHG0, PT-UAHW0, PT-UPHG0
	Exterior Color		Noble White	Noble White	Noble White
	RAL Code		RAL 9003	RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm	1,160 x 34 x 500 1,100 x 34 x 500 1,160 x 34 x 500	1,160 x 34 x 500 1,100 x 34 x 500 1,160 x 34 x 500	1,160 x 34 x 500 1,100 x 34 x 500 1,160 x 34 x 500
	Net Weight	kg	3.9 / 3.3 / 4.1	3.9 / 3.3 / 4.1	3.9 / 3.3 / 4.1

Note :
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3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4
Drain Pump		○	
Cassette Cover		-	
Refrigerant Leakage Detector		PRLDNVS0 (R410a)	
EEV Kit		PRGK024A0	
Multi-tenant Power Module		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO_2 Sensor		-	
Ventilation Kit		-	
IR Receiver		-	
Zone Controller		-	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)		○	
Air Purification Kit		PTAHTP0	
Wi-Fi		PWFMDD200	

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

ARNU18GTTB4 / ARNU24GTTB4

MODEL		UNIT	ARNU18GTTB4	ARNU24GTTB4
Cooling Capacity		kW	5.6	7.1
Heating Capacity		kW	6.3	7.1
Power Input (H / M / L)	Nominal	W	38 / 28 / 24	51 / 33 / 26
Dimensions (W x H x D)	Body	mm	1,180 x 132 x 450	1,180 x 132 x 450
	Shipping	mm	1,499 x 259 x 538	1,499 x 259 x 538
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1
	Air Flow Rate (H / M / L)	m³/min	13.3 / 12.1 / 10.9	14.6 / 13.3 / 11.5
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	15.3	15.3
Sound Pressure Levels (H / M / L)		dB (A)	40 / 37 / 35	43 / 40 / 36
Sound Power Levels (H / M / L)		dB (A)	55 / 51 / 47	58 / 53 / 49
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C
Decoration Panel (Accessory)	Model Name		PT-TAHG0, PT-TAHW0, PT-TPHG0	PT-TAHG0, PT-TAHW0, PT-TPHG0
	Exterior Color		Noble White	Noble White
	RAL Code		RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm	1,480 x 34 x 500 1,420 x 34 x 500 1,480 x 34 x 500	1,480 x 34 x 500 1,420 x 34 x 500 1,480 x 34 x 500
	Net Weight	kg	4.8 / 4.5 / 4.9	4.8 / 4.5 / 4.9

Note :
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3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the semi-anechoic rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the outdoor unit specifications for calculating the real capacity.
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
   - Interconnected pipe is standard length and difference of elevation (outdoor ~ indoor unit) is 0 m.
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

Accessories

CHASSIS	ARNU18GTTB4	ARNU24GTTB4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	-	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Air Purification Kit	PTAHTP0	
Wi-Fi	PWFMDD200	

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

Features & Benefits

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

Key Applications

- Retail
- Office
- Restaurant
- Hotel

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

※ ○: Applied, - : Not applied

Slim and Compact Design

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

Other Brand

※ Product : 48 kBtu

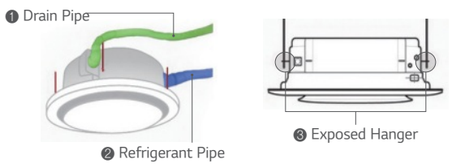
LG Round Cassette

15% less body height makes room more higher

Minimal Exposure Design

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

Other Brand



LG Round Cassette

Perfect Round Air Flow

Perfect round flow without blind spots.

Other Brand

3 Way airflow with blind spot.

LG Round Cassette

Perfect circular airflow without blind spots.

Visible Air Flow

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

Other Brand

Wind direction control ❶ ❷ ❸

LG Round Cassette

Wind direction control ❶ ❷ ❸ ❹ ❺ ❻

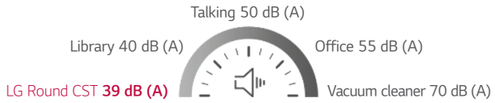
Powerful and Quiet Air Flow

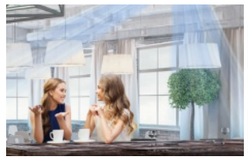
3D fan increases airflow by 5% and noise reduction technology makes a quieter, more comfortable space.

Full 3D Fan, Air Flow Rate 5% ↑

Full 3D Fan, Low Noise

※ 48 kBtu, Low flow rate





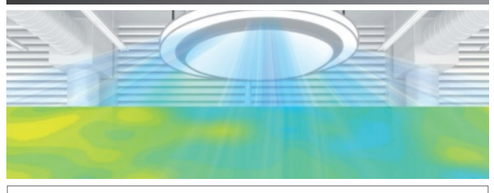
Normal communication
Noise level 50 dB (A)

Library noise level 40 dB (A)

30% Faster in Cooling

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

Other Brand



Set temperature reach time 18 minutes (height 1.1 m)

LG Round Cassette

Set temperature reach time 12 minutes (height 1.1 m)

※ Based on test results from LG chamber, this image is designed to help customers understand. Experimental environment: height 3.2m, 48 kBtu, cooling mode, high flow rate, horizontal air flow direction

ARNU24GTYA4 / ARNU36GTYA4 / ARNU48GTYA4

MODEL		UNIT	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Cooling Capacity		kW	7.1	10.6	14.1
Heating Capacity		kW	8.0	11.9	15.9
Power Input (H / M / L)	Nominal	W	44 / 36 / 29	63 / 47 / 36	98 / 70 / 44
Dimensions (W x H x D)	Body	mm	1,050 x 330 x 1,050	1,050 x 330 x 1,050	1,050 x 330 x 1,050
	Shipping	mm	1,137 x 395 x 1,132	1,137 x 395 x 1,132	1,137 x 395 x 1,132
Fan	Type		3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Motor Output x Number	W	157 x 1	157 x 1	157 x 1
	Air Flow Rate (H / M / L)	m3/min	22 / 21 / 19	27 / 24 / 21	32 / 28 / 23
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Long life	Long life	Long life
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	30	30	30
Sound Pressure Level (H / M / L)		dB (A)	39 / 37 / 34	43 / 39 / 37	47 / 44 / 39
Sound Power Level (H / M / L)		dB (A)	48 / 46 / 43	52 / 48 / 46	56 / 53 / 48
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable (VCTF-SB)		mm^2 x cores	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

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

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

Features & Benefits

- Easy and flexible duct adjusts air volume with External Static Pressure (ESP) control function.
- Minimalist visibility (Hidden within ceiling) to blend seamlessly into any interior

Key Applications

- Office
- Hotel
- Retail
- Residential building

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

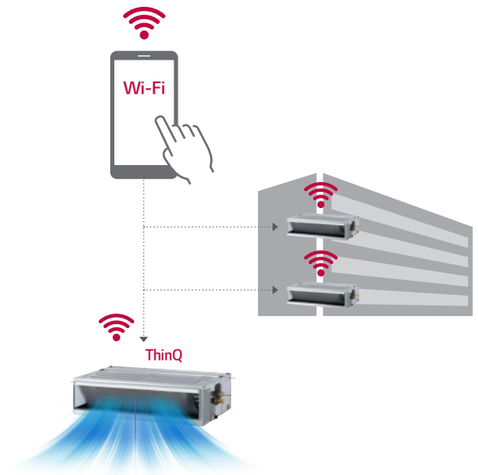
※ ○: Applied, - : Not applied

Wi-Fi Control

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

ThinQ

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



Easy Registration and Log-in

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

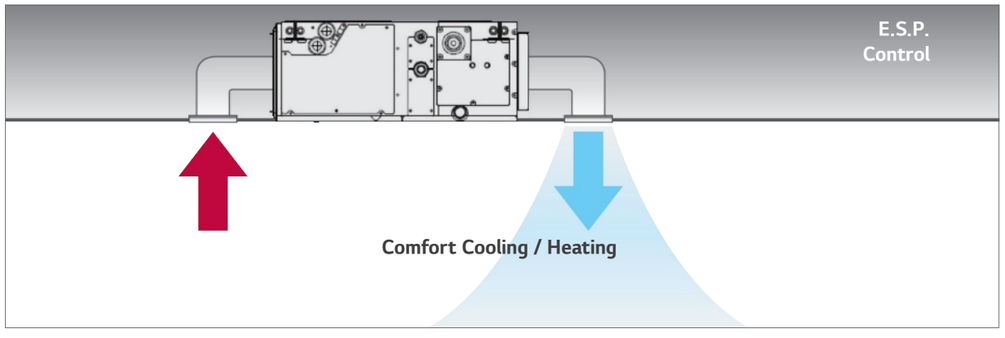
Simple operation for various functions

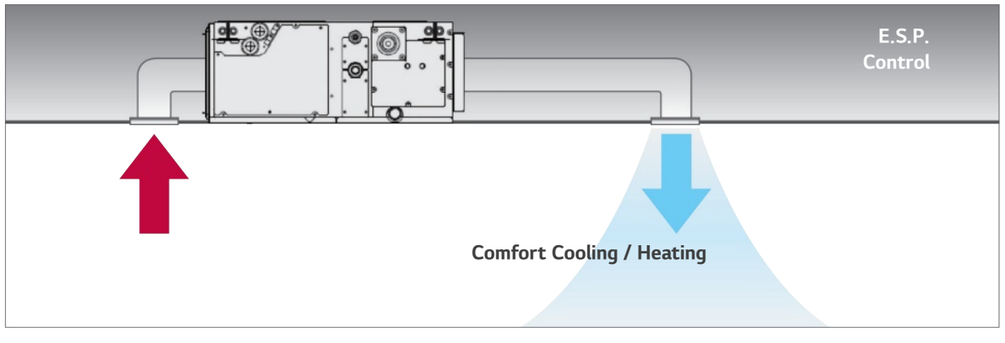
On / Off, Current Temp | Mode, Set Temp | Zone Control

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

External Static Pressure (ESP) Control

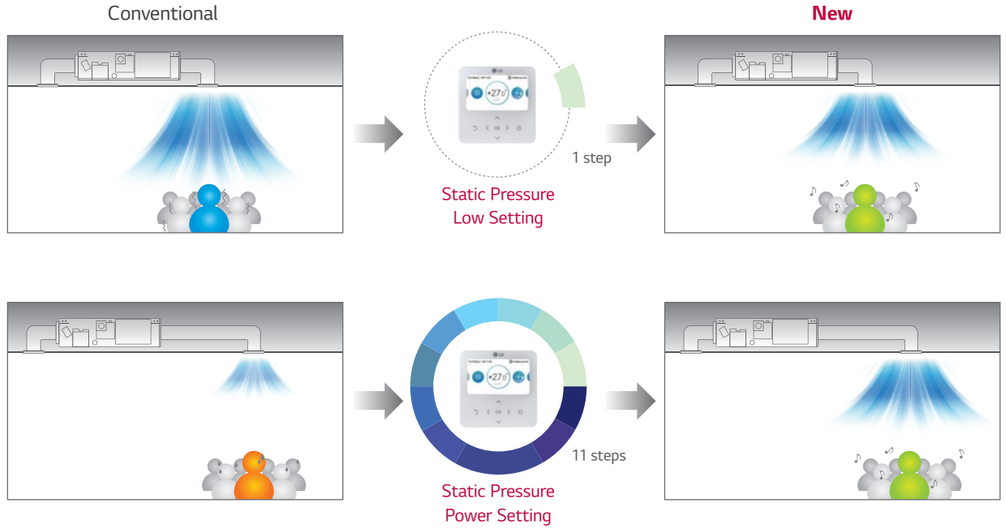
User has easy access to air volume selection via remote controller using the ESP control function. The BLDC motor can control fan speed and air volume. No additional accessories are necessary to control air flow.





Static Pressure 11- step Control

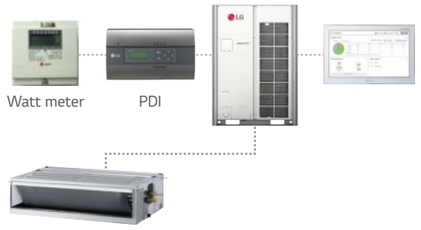
Depending on the installation environment, LG's ceiling concealed duct controls the static pressure with 11 steps to provide maximized comfort to any environment.



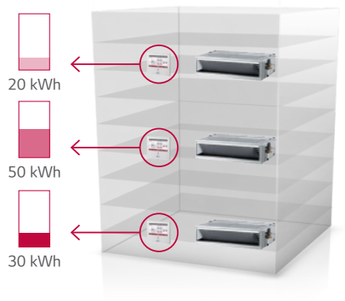
Energy Monitoring

Accumulated electric energy of the indoor unit can be identified with wired remote control, as well as with the central controller. This function is an advantage for energy management.

Install Scene



Apply for Multistory Building

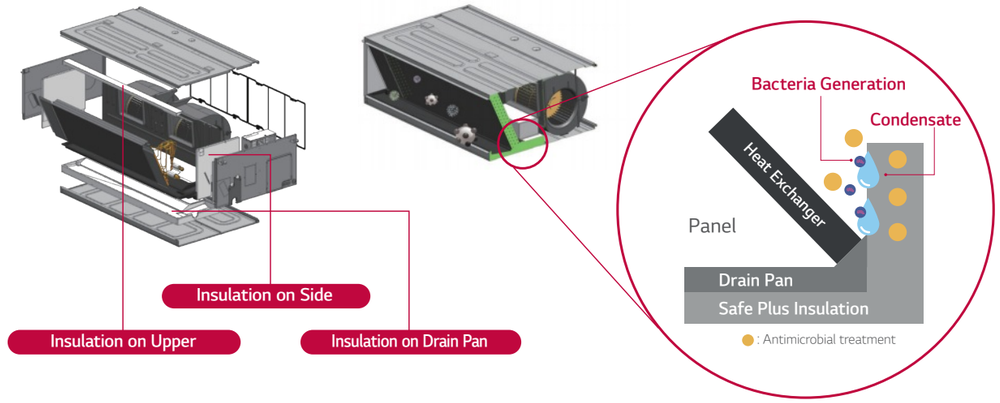


※ Outdoor unit's accumulated electric energy / using rate of individual indoor unit + indoor unit's accumulated electric energy is displayed in wired remote controller, only when central controller, digital integrating electricity meter and PDI are installed and PDI, outdoor unit and indoor unit are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

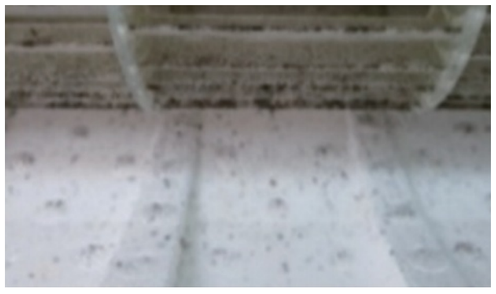
Safe Plus Insulation

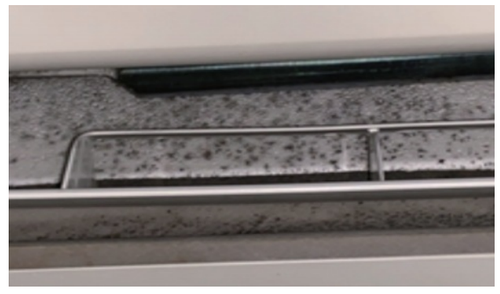
Why LG Safe Plus Insulation?

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



What's the Hygiene Inside of Your Air Conditioner?

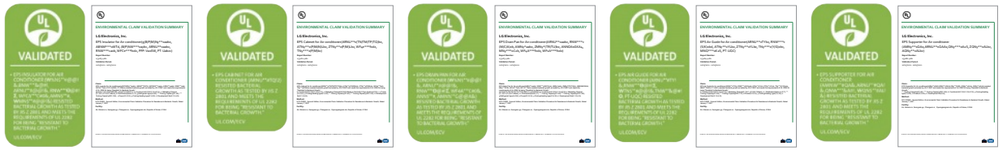




Example of EPS Pollution case.

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

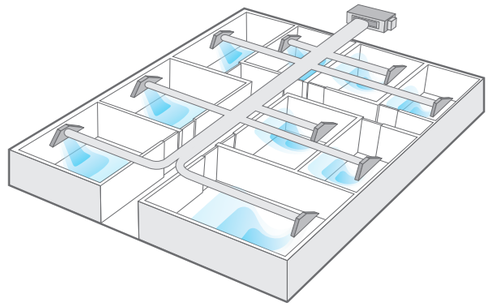
Antimicrobial treatment on ***EPS (Cabinet, Drain Pan, Air Guide, Insulator, Supporter)** for Air Conditioners is the first applied technology in the world, and only LG has.



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

Multiple Room Operation

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



Filter Alert

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

Remain Time Until Indoor Filter Cleaning + Alarm

Remain time until indoor filter cleaning 2,400 hr.

Standard wired remote controller

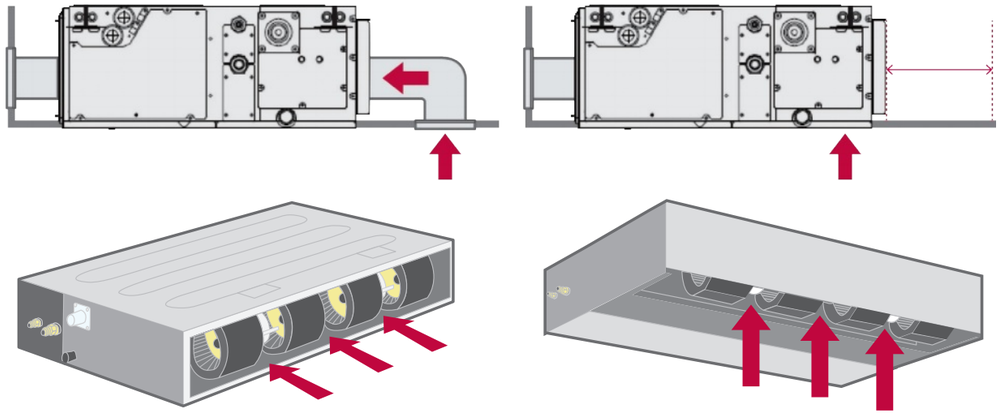
Remain time until indoor filter cleaning 1,729 hr.

Premium wired remote controller

Flexible Installation
(Low Static Duct Slim Only)

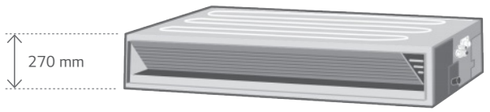
The alarm is activated when the filter needs to be cleaned, and the time remaining for cleaning is displayed on the screen.

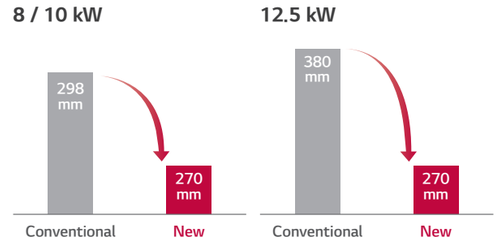
Air Intake at the Rear or Bottom



Minimized Height
(For Mid Static Duct)

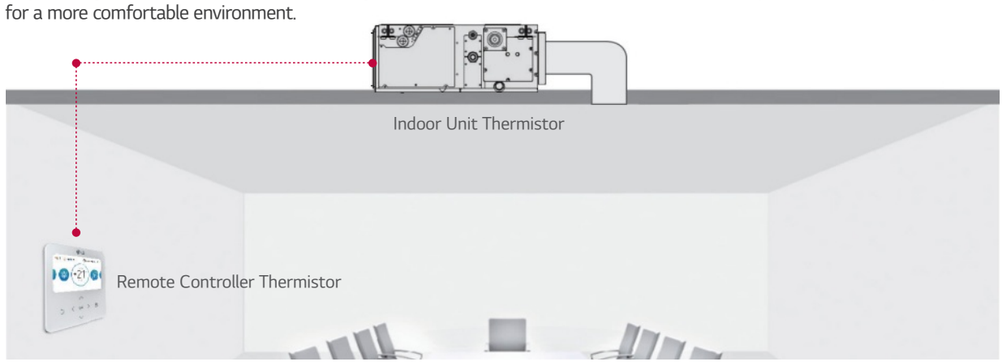
Mid Static Ducts provide ideal solution for installation in limited space.





Two Thermistors Control

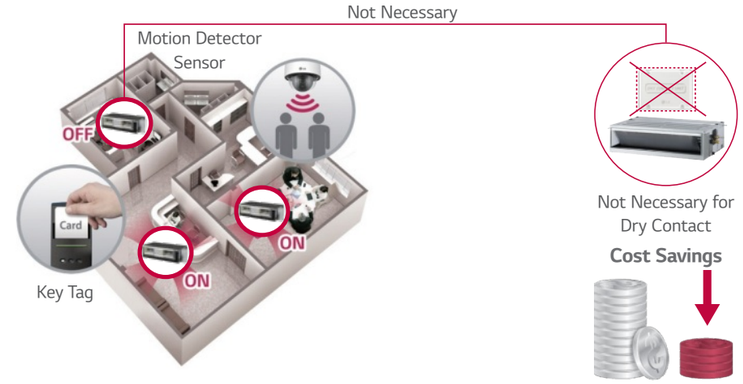
The indoor temperature can be checked using the thermi-stors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimise indoor air temperature for a more comfortable environment.



1 Point External Input
(On / Off Control)

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

Connection between an Indoor Unit and External Devices Directly



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

ARNU07GM1A4 / ARNU09GM1A4
ARNU12GM1A4 / ARNU15GM1A4
ARNU18GM1A4 / ARNU24GM1A4

MODEL		UNIT	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Input (H / M / L)	Nominal	W	39 / 30 / 25	40 / 32 / 26	46 / 38 / 31	67 / 53 / 46	85 / 63 / 55	91 / 74 / 58
Dimensions (W x H x D)	Body	mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700
	Shipping	mm	1,100 x 338 x 773	1,100 x 338 x 773	1,100 x 338 x 773	1,100 x 338 x 773	1,100 x 338 x 773	1,100 x 338 x 773
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	136 x 1	136 x 1	136 x 1	136 x 1	136 x 1	136 x 1
	Air Flow Rate (H / M / L)	m³/min	9.0 / 7.5 / 6.0	9.5 / 7.5 / 6.0	11.0 / 9.0 / 7.0	16.0 / 12.0 / 9.0	17.0 / 14.5 / 12.0	19.0 / 16.0 / 14.0
	External Static Pressure (High Mode)	mmAq (Pa)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	9.0 / 7.5 / 6.0	9.5 / 7.5 / 6.0	11.0 / 9.0 / 7.0	16.0 / 12.0 / 9.0	17.0 / 14.5 / 12.0	19.0 / 16.0 / 14.0
	External Static Pressure (Standard Mode)	mmAq (Pa)	2.5 (25)	2.5 (25)	2.5 (25)	2.5 (25)	2.5 (25)	2.5 (25)
	External Static Pressure Range	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)
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	25.0	25.0	25.0	25.0	25.0	25.9
Sound Pressure Levels (H / M / L)		dB (A)	26 / 24 / 23	27 / 25 / 23	27 / 25 / 23	30 / 27 / 23	31 / 28 / 25	32 / 29 / 26
Sound Power Levels (H / M / L)		dB (A)	55 / 54 / 51	55 / 54 / 52	56 / 54 / 52	59 / 57 / 55	59 / 57 / 55	59 / 58 / 56
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm^2	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0-1.5 x 2 C

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

Accessories

CHASSIS	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Drain Pump	○					
Cassette Cover	-					
Refrigerant Leakage Detector	PRLDNVS0 (R410a)					
EEV Kit	PRGK024A0 (~5.6kW)					
Multi-tenant Power Module	PINPMB001					
Robot Cleaner	-					
Pre Filter (Washable)	○					
Ion Generator	-					
CO_2 Sensor	-					
Ventilation Kit	-					
IR Receiver	PWLRVN000					
Zone Controller	ABZCA					
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)					
External Input (1 Point)	○					
Wi-Fi	PWFMDD200					

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

ARNU28GM2A4 / ARNU36GM2A4
ARNU42GM2A4 / ARNU48GM3A4
ARNU54GM3A4

MODEL		UNIT	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3A4	ARNU54GM3A4
Cooling Capacity		kW	8.2	10.6	12.3	14.1	15.8
Heating Capacity		kW	9.2	11.9	13.8	15.9	18.0
Power Input (H / M / L)	Nominal	W	123 / 81 / 57	184 / 123 / 81	231 / 162 / 111	172 / 105 / 65	260 / 215 / 172
Dimensions (W x H x D)	Body	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
	Shipping	mm	1,450 x 338 x 773	1,450 x 338 x 773	1,450 x 338 x 773	1,450 x 428 x 773	1,450 x 428 x 773
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	350 x 1	350 x 1	350 x 1	400 x 1	400 x 1
	Air Flow Rate (H / M / L)	m³/min	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
	External Static Pressure (High Mode)	mmAq (Pa)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
	External Static Pressure (Standard Mode)	mmAq (Pa)	5 (49)	5 (49)	5 (49)	5 (49)	5 (49)
	External Static Pressure Range	mmAq (Pa)	4 (39) ~ 18 (176)	4 (39) ~ 18 (176)	4 (39) ~ 18 (176)	4 (39) ~ 15 (147)	4 (39) ~ 15 (147)
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	36.0	36.0	37.2	42.2	42.2
Sound Pressure Levels (H / M / L)		dB (A)	38 / 36 / 35	40 / 38 / 36	42 / 41 / 39	41 / 38 / 37	42 / 41 / 40
Sound Power Levels (H / M / L)		dB (A)	59 / 57 / 55	60 / 59 / 57	62 / 61 / 60	63 / 60 / 59	65 / 64 / 62
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm^2	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

CHASSIS	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3A4	ARNU54GM3A4
Drain Pump	○				
Cassette Cover	-				
Refrigerant Leakage Detector	PRLDNVS0 (R410a)				
EEV Kit	-				
Multi-tenant Power Module	PINPMB001				
Robot Cleaner	-				
Pre Filter (Washable)	○				
Ion Generator	-				
CO_2 Sensor	-				
Ventilation Kit	-				
IR Receiver	PWLRVN000				
Zone Controller	ABZCA				
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)				
External Input (1 Point)	○				
Wi-Fi	PWFMDD200				

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

ARNU76GB8A4 / ARNU96GB8A4

MODEL		UNIT	ARNU76GB8A4	ARNU96GB8A4
Cooling Capacity		kW	22.4	28.0
Heating Capacity		kW	25.2	31.5
Power Input (H / M / L)	Nominal	W	765 / 500 / 500	800 / 750 / 750
Dimensions (W x H x D)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688
	Shipping	mm	1,806 x 537 x 825	1,806 x 537 x 825
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	375 x 2	375 x 2
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m³/min	60.0 / 50.0 / 50.0	72.0 / 64.0 / 64.0
	External Static Pressure (High Mode)	mmAq (Pa)	22 (216)	22 (216)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	64.0 / 50.0 / 50.0	76.0 / 64.0 / 64.0
	External Static Pressure (Standard Mode)	mmAq (Pa)	15 (147)	15 (147)
	External Static Pressure Range	mmAq (Pa)	10 (98) ~ 25 (245)	10 (98) ~ 25 (245)
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 19.05 (3/4)	Ø 22.2 (7/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	87.0	87.0
Sound Pressure Levels (H / M / L)		dB (A)	45 / 41 / 40	47 / 42 / 41
Sound Power Levels (H / M / L)		dB (A)	67 / 62 / 60	68 / 64 / 62
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

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

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

ARNU05GL1G4 / ARNU07GL1G4 ARNU09GL1G4

MODEL		Unit	ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4
Cooling Capacity		kW	1.7	2.2	2.8
Heating Capacity		kW	1.9	2.5	3.2
Power Input (H / M / L)	Nominal	W	29 / 26 / 24	31 / 28 / 24	39 / 29 / 24
Dimensions (W x H x D)	Body	mm	700 x 190 x 700	700 x 190 x 700	700 x 190 x 700
	Shipping	mm	862 x 255 x 781	862 x 255 x 781	862 x 255 x 781
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 1	19 x 1	19 x 1
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m³/min	6.7 / 6.2 / 5.5	7.5 / 6.5 / 5.5	9.0 / 7.0 / 5.5
	External Static Pressure (High Mode)	mmAq (Pa)	2.54 (25)	2.54 (25)	2.54 (25)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	6.7 / 6.2 / 5.5	7.5 / 6.5 / 5.5	9.0 / 7.0 / 5.5
	External Static Pressure (Standard Mode)	mmAq (Pa)	0 (0)	0 (0)	0 (0)
	External Static Pressure Range	mmAq (Pa)	~ 5 (49)	~ 5 (49)	~ 5 (49)
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	17.5	17.5	17.5
Sound Pressure Levels (H / M / L)		dB (A)	25 / 24 / 22	26 / 24 / 22	28 / 25 / 22
Sound Power Levels (H / M / L)		dB (A)	48 / 46 / 45	50 / 47 / 45	53 / 49 / 45
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

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

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

ARNU12GL2G4 / ARNU15GL2G4
ARNU18GL2G4

MODEL		Unit	ARNU12GL2G4	ARNU15GL2G4	ARNU18GL2G4
Cooling Capacity		kW	3.6	4.5	5.6
Heating Capacity		kW	4.0	5.0	6.3
Power Input (H / M / L)	Nominal	W	41 / 34 / 29	56 / 41 / 34	71 / 56 / 41
Dimensions (W x H x D)	Body	mm	900 x 190 x 700	900 x 190 x 700	900 x 190 x 700
	Shipping	mm	1,062 x 255 x 781	1,062 x 255 x 781	1,062 x 255 x 781
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m³/min	10.0 / 8.5 / 7.0	12.5 / 10.0 / 8.5	15.0 / 12.5 / 10.0
	External Static Pressure (High Mode)	mmAq (Pa)	2.54 (25)	2.54 (25)	2.54 (25)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	10.0 / 8.5 / 7.0	12.5 / 10.0 / 8.5	15.0 / 12.5 / 10.0
	External Static Pressure (Standard Mode)	mmAq (Pa)	0 (0)	0 (0)	0 (0)
	External Static Pressure Range	mmAq (Pa)	~ 5 (49)	~ 5 (49)	~ 5 (49)
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	23.0	23.0	23.0
Sound Pressure Levels (H / M / L)		dB (A)	30 / 27 / 25	33 / 30 / 28	35 / 32 / 29
Sound Power Levels (H / M / L)		dB (A)	50 / 47 / 46	54 / 51 / 47	56 / 54 / 51
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

Chassis	ARNU12GL2G4	ARNU15GL2G4	ARNU18GL2G4
Drain Pump		○	
Cassette Cover		-	
Refrigerant Leakage Detector		PRLDNVS0	
EEV Kit		-	
Independent Power Module		PRIP0	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO_2 Sensor		-	
Ventilation Kit		-	
IR Receiver		PWLRVN000	
Zone Controller		ABZCA	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)		○	
Wi-Fi		PWFMDD200	

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

ARNU21GL3G4 / ARNU24GL3G4

MODEL		Unit	ARNU21GL3G4	ARNU24GL3G4
Cooling Capacity		kW	6.2	7.1
Heating Capacity		kW	7.0	8.0
Power Input (H / M / L)	Nominal	W	72 / 53 / 48	103 / 63 / 48
Dimensions (W x H x D)	Body	mm	1,100 x 190 x 700	1,100 x 190 x 700
	Shipping	mm	1,262 x 255 x 781	1,262 x 255 x 781
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 2	19 x 2
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m³/min	17.5 / 14.0 / 12.0	20.0 / 16.0 / 12.0
	External Static Pressure (High Mode)	mmAq (Pa)	2.54 (25)	2.54 (25)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	17.5 / 14.0 / 12.0	20.0 / 16.0 / 12.0
	External Static Pressure (Standard Mode)	mmAq (Pa)	0 (0)	0 (0)
	External Static Pressure Range	mmAq (Pa)	~ 5 (49)	~ 5 (49)
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	27.0	27.0
Sound Pressure Levels (H / M / L)		dB (A)	35 / 29 / 28	36 / 33 / 28
Sound Power Levels (H / M / L)		dB (A)	59 / 55 / 54	63 / 59 / 55
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

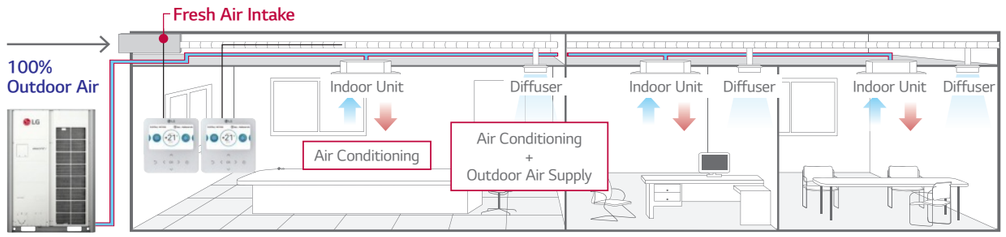
Accessories

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

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

Fresh Outdoor Air Supply

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

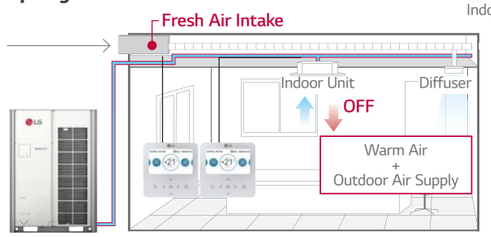


MULTI V *i* Outdoor unit

Economic Operation

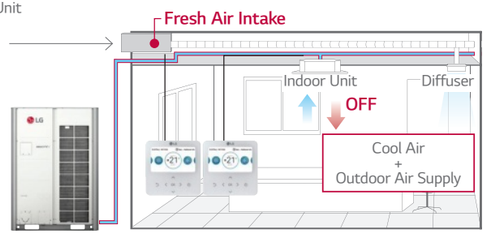
Natural outdoor air is utilized as seasons change for cost efficiency.

Spring Season



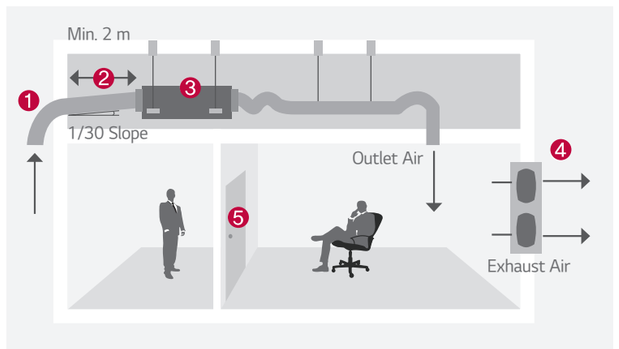
MULTI V *i* Outdoor unit

Autumn Season



MULTI V *i* Outdoor unit

Installation Scene



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

ARNU48GM3Z4 / ARNU76GB8Z4 / ARNU96GB8Z4



MODEL		UNIT	ARNU48GM3Z4	ARNU76GB8Z4	ARNU96GB8Z4
Cooling Capacity		kW	14.1	22.4	28.0
Heating Capacity		kW	13.5	21.4	26.7
Power Input (H / M / L)	Nominal	W	60 / 50 / 50	230 / 200 / 200	360 / 230 / 230
Dimensions (W x H x D)	Body	mm	1,250 × 360 × 700	1,562 x 460 x 688	1,562 x 460 x 688
	Shipping	mm	1,450 × 428 × 773	1,806 x 537 x 825	1,806 x 537 x 825
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	400 x 1	375 x 1	375 x 1
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m³/min	20 / 13.2 / 13.2	23.7 / 13.2 / 13.2	35.7 / 23.7 / 23.7
	External Static Pressure	mmAq (Pa)	6 (59)	22 (216)	22 (216)
	Motor Type		BLDC	BLDC	BLDC
Air Filter			-	Long Life Filter	Long Life Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 22.2 (7/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)	Ø 25 (1)	Ø 25 (1)
Weight	Body	kg	43.6	73.0	73.0
Sound Pressure Levels (H / M / L)		dB (A)	38 / 36 / 34	45 / 43 / 43	47 / 45 / 45
Sound Power Levels (H / M / L)		dB (A)	52 / 51 / 50	70 / 67 / 67	72 / 70 / 70
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

⚠ CAUTION

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

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

Accessories

CHASSIS	ARNU48GM3Z4	ARNU76GB8Z4	ARNU96GB8Z4
Drain Pump	○		
Cassette Cover	-		
Refrigerant Leakage Detector	PRLDNVS0 (R410a)		
EEV Kit	-		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	PWLRVN000		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○		
Wi-Fi	PWFMDD200		

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

Features & Benefits

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

Key Applications

- Retail
- Restaurant
- Shop

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

※ ○: Applied, - : Not applied

Wi-Fi Control

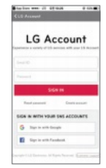
Access your air conditioner anytime and from anywhere.

ThinQ

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

Easy Registration and Log-in

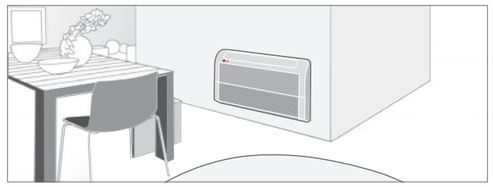
Follow the easy set-up steps that will activate ThinQ's impressive feature.

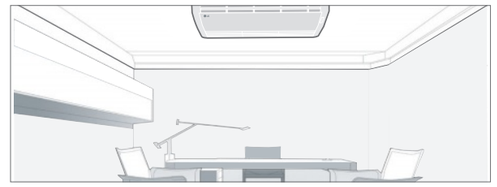


※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

Flexible

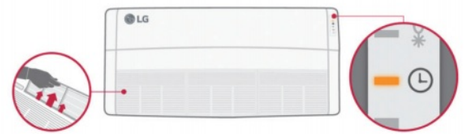
The ceiling and floor models can be installed either on the ceiling or on the floor.





Filter Change Alarm

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

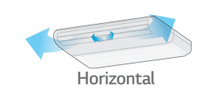


One Touch Filter

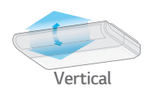
Filter Change Alarm

Air Flow Direction Control

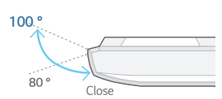
Vertical air flow direction can be adjusted using remote controller, and horizontal air flow direction can be adjusted manually.



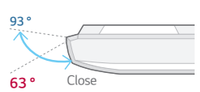
Horizontal



Vertical



Cooling



Heating

Differentiated Design

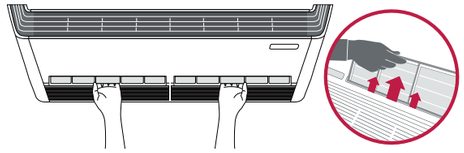
Modern elegance design with V-shape and black vane is appropriate for any commercial space. It received iF Design Award.

Powerful Cooling & Heating

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

One Touch & 2 Piece Filter

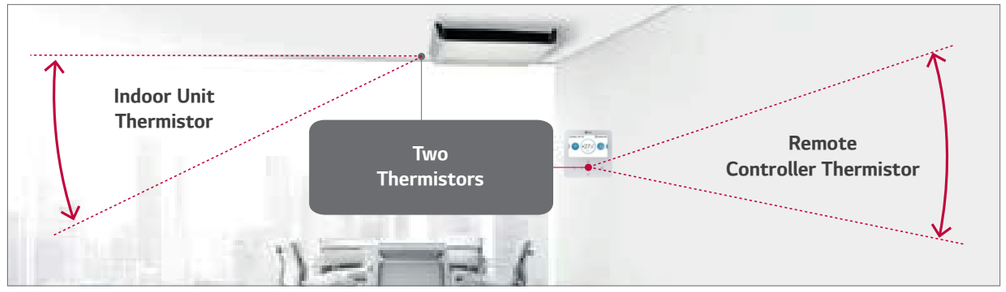
Easy in / out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.



One Touch Filter

Two Thermistors Control

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



NOTE

ARNU09GVEA4 / ARNU12GVEA4

MODEL		UNIT	ARNU09GVEA4	ARNU12GVEA4
Cooling Capacity		kW	2.8	3.6
Heating Capacity		kW	3.2	4.0
Power Input (H / M / L)	Nominal	W	19 / 15 / 11	28 / 19 / 15
Exterior Color			Morning Fog	Morning Fog
RAL Code			RAL 9001	RAL 9001
Dimensions (W x H x D)	Body	mm	900 x 490 x 200	900 x 490 x 200
	Shipping	mm	975 x 562 x 279	975 x 562 x 279
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	27 x 1	27 x 1
	Air Flow Rate (H / M / L)	m³/min	7.6 / 6.9 / 6.2	9.2 / 7.6 / 6.9
		cfm	268 / 244 / 219	325 / 268 / 244
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 16 (5/8)	Ø 16 (5/8)
Weight	Body	kg	13.3	13.3
Sound Pressure Levels (H / M / L)		dB (A)	36 / 32 / 28	38 / 36 / 30
Sound Power Levels (H / M / L)		dB (A)	55 / 51 / 45	56 / 55 / 49
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm² x cores	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C

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

Accessories

CHASSIS	ARNU09GVEA4	ARNU12GVEA4
Drain Pump	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0	
Multi-tenant Power Module	PINPMB001	
Plasma Kit	-	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200 1)	

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

ARNU18GV1A4 / ARNU24GV1A4
ARNU36GV2A4 / ARNU48GV2A4

MODEL		UNIT	ARNU18GV1A4	ARNU24GV1A4	ARNU36GV2A4	ARNU48GV2A4
Cooling Capacity		kW	5.6	7.1	10.6	14.1
Heating Capacity		kW	6.3	8.0	11.9	15.9
Power Input (H / M / L)	Nominal	W	23 / 20 / 17	25 / 21 / 17	84 / 77 / 66	91 / 79 / 66
Exterior Color			Morning Fog	Morning Fog	Morning Fog	Morning Fog
RAL Code			RAL 9001	RAL 9001	RAL 9001	RAL 9001
Dimensions (W x H x D)	Body	mm	1,200 x 235 x 690	1,200 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
	Shipping	mm	1,315 x 320 x 772	1,315 x 320 x 772	1,715 x 320 x 772	1,715 x 320 x 772
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	85.9 x 1	85.9 x 1	125 x 1	125 x 1
	Air Flow Rate (H / M / L)	m³/min	13.5 / 12.5 / 12.0	14.0 / 13.0 / 12.0	27.0 / 24.0 / 20.0	29.0 / 24.0 / 20.0
	Motor Type		BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)	Ø 16 (5/8)
Weight	Body	kg	29.0	29.0	37.0	37.0
Sound Pressure Levels (H / M / L)		dB (A)	36 / 34 / 33	37 / 35 / 33	45 / 44 / 40.5	47 / 44 / 40.5
Sound Power Levels (H / M / L)		dB (A)	61 / 59 / 56	62 / 59 / 56	68 / 66 / 64	68 / 67 / 66
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm² x cores	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C	1.0 ~ 1.5 × 2 C

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

Accessories

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

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

Features & Benefits

- 6 way flexible piping
- Cold draft window protection
- Condensation protection

Key Applications

- Residential building
- Historical building
- Hotel

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

※ ○: Applied, - : Not applied

Wi-Fi Control

Access your air conditioner anytime and from anywhere.

ThinQ

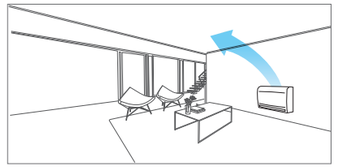
Search "ThinQ" on Google market or the App Store to download the app.

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

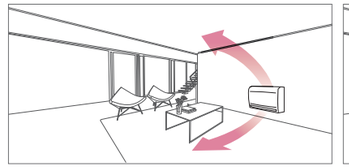
Air Flow Direction Change

During the cooling operation, the vane adjusts upwards to direct the air flow towards the ceiling. When heating, the vane directs the warm air downwards to balance the room temperature especially for floor.

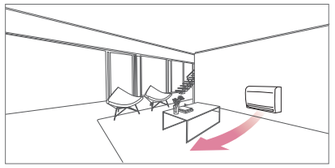
Cooling



Heating (Normal)



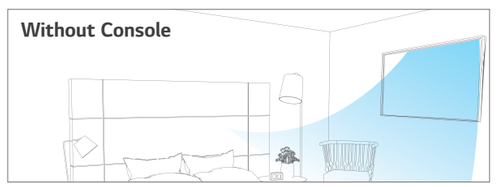
Heating (Option)



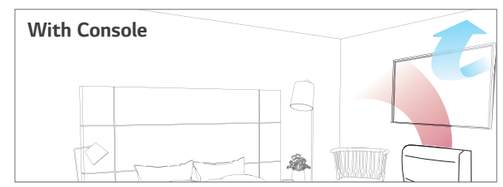
Cold Draft Protection

The console protects cold draft from windows to provide comfortable environment.

Without Console

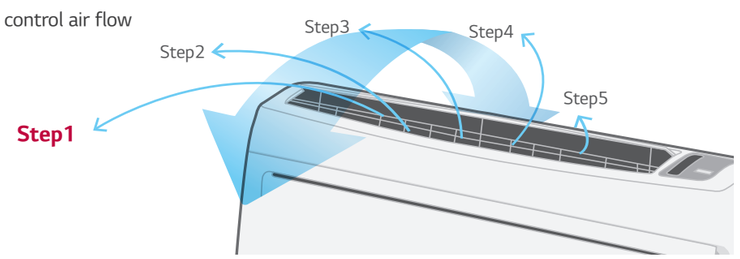


With Console



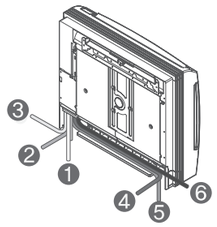
5-Step Vane Control

There are 5 different stages to control air flow direction.



6 Way Flexible Piping

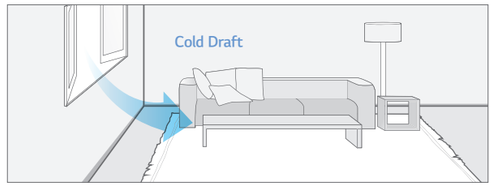
It is possible to install and connect the outdoor unit in 6 different ways.
(Right Side, Right Back, Right Floor, Left Side, Left Back, Left Floor)



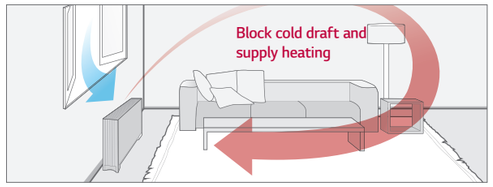
Protect Cold Draft

The floor standing unit protects cold draft coming from window and preventing condensation.

Without Floor Standing

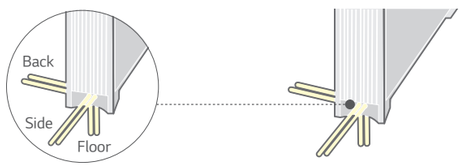


With Floor Standing



3 Way Flexible Piping

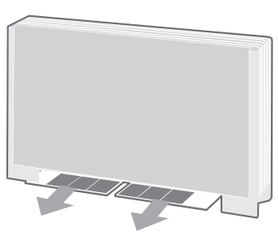
It is possible to install and connect the outdoor unit in
3 different ways. (Side, Back, Floor)



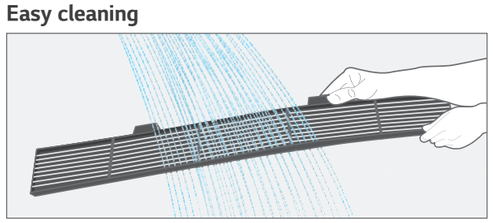
Sliding Type Filter

Easy maintenance and extended product life with sliding type filter.

Sliding type



Easy cleaning



ARNU07GQAA4 / ARNU09GQAA4

MODEL		UNIT	ARNU07GQAA4	ARNU09GQAA4
Cooling Capacity		kW	2.2	2.8
Heating Capacity		kW	2.5	3.2
Power Input (H / M / L)	Nominal	W	15 / 12 / 10	15 / 12 / 10
Exterior Color			Morning Fog	Morning Fog
RAL Code			RAL 9001	RAL 9001
Dimensions (W x H x D)	Body	mm	700 x 600 x 210	700 x 600 x 210
	Shipping	mm	775 x 662 x 284	775 x 662 x 284
Fan	Type		Turbo fan	Turbo fan
	Motor Output x Number	W x No.	48 x 1	48 x 1
	Air Flow Rate (H / M / L)	m³/min	6.7 / 5.9 / 4.8	6.7 / 5.9 / 4.8
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 12 (15/32)	Ø 12 (15/32)
Weight	Body	kg	14.0	14.0
Sound Pressure Levels (H / M / L)		dB (A)	37 / 34 / 28	37 / 34 / 28
Sound Power Levels (H / M / L)		dB (A)	53 / 50 / 44	53 / 50 / 44
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm^2	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

CHASSIS	ARNU07GQAA4	ARNU09GQAA4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	○	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNU12GQAA4 / ARNU15GQAA4

MODEL		UNIT	ARNU12GQAA4	ARNU15GQAA4
Cooling Capacity		kW	3.6	4.5
Heating Capacity		kW	4.0	5.0
Power Input (H / M / L)	Nominal	W	18 / 15 / 13	24 / 19 / 17
Exterior Color			Morning Fog	Morning Fog
RAL Code			RAL 9001	RAL 9001
Dimensions (W x H x D)	Body	mm	700 x 600 x 210	700 x 600 x 210
	Shipping	mm	775 x 662 x 284	775 x 662 x 284
Fan	Type		Turbo fan	Turbo fan
	Motor Output x Number	W x No.	48 x 1	48 x 1
	Air Flow Rate (H / M / L)	m³/min	7.5 / 5.9 / 4.8	8.7 / 6.7 / 5.9
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 12 (15/32)	Ø 12 (15/32)
Weight	Body	kg	14.0	14.0
Sound Pressure Levels (H / M / L)		dB (A)	39 / 34 / 28	42 / 37 / 31
Sound Power Levels (H / M / L)		dB (A)	56 / 50 / 44	58 / 53 / 50
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

CHASSIS	ARNU12GQAA4	ARNU15GQAA4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	○	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNU07GCEA4 / ARNU09GCEA4
ARNU12GCEA4 / ARNU15GCEA4
ARNU18GCFA4 / ARNU24GCFA4

※ A : Floor Standing with case

MODEL		UNIT	ARNU07GCEA4	ARNU09GCEA4	ARNU12GCEA4	ARNU15GCEA4	ARNU18GCFA4	ARNU24GCFA4
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Input (H / M / L)	Nominal	W	24 / 17 / 14	30 / 24 / 17	36 / 30 / 24	44 / 35 / 28	54 / 41 / 29	84 / 54 / 41
Exterior Color			Morning Fog	Morning Fog	Morning Fog	Morning Fog	Morning Fog	Morning Fog
RAL Code			RAL 9001	RAL 9001	RAL 9001	RAL 9001	RAL 9001	RAL 9001
Dimensions (W x H x D)	Body	mm	1,067 x 635 x 203	1,067 x 635 x 203	1,067 x 635 x 203	1,067 x 635 x 203	1,345 x 635 x 203	1,345 x 635 x 203
	Shipping	mm	1,154 x 705 x 289	1,154 x 705 x 289	1,154 x 705 x 289	1,154 x 705 x 289	1,432 x 705 x 289	1,432 x 705 x 289
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 2	19 x 2
	Air Flow Rate (H / M / L)	m³/min	8.5 / 7.5 / 6.5	9.5 / 8.5 / 7.5	10.5 / 9.5 / 8.5	11.5 / 10.0 / 9.5	16.0 / 14.0 / 12.0	18.0 / 16.0 / 14.0
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 12 (15/32)	Ø 12 (15/32)	Ø 12 (15/32)	Ø 12 (15/32)	Ø 12 (15/32)	Ø 12 (15/32)
Weight	Body	kg	27.0	27.0	27.0	27.0	34.0	34.0
Sound Pressure Levels (H / M / L)		dB (A)	35 / 33 / 31	36 / 34 / 32	37 / 35 / 33	38 / 37 / 35	40 / 37 / 34	43 / 40 / 37
Sound Power Levels (H / M / L)		dB (A)	52 / 47 / 43	54 / 51 / 47	54 / 51 / 50	55 / 54 / 51	57 / 54 / 50	61 / 57 / 54
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

CHASSIS	ARNU07GCEA4	ARNU09GCEA4	ARNU12GCEA4	ARNU15GCEA4	ARNU18GCFA4	ARNU24GCFA4
Drain Pump	-				-	
Cassette Cover	-				-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)				PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0				-	
Multi-tenant Power Module	PINPMB001				PINPMB001	
Robot Cleaner	-				-	
Pre Filter (Washable)	○				○	
Ion Generator	-				-	
CO_2 Sensor	-				-	
Ventilation Kit	-				-	
IR Receiver	PWLRVN000				PWLRVN000	
Zone Controller	-				-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)					
External Input (1 Point)	○				○	
Wi-Fi	PWFMDD200				PWFMDD200	

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

ARNU07GCEU4 / ARNU09GCEU4
ARNU12GCEU4 / ARNU15GCEU4
ARNU18GCFU4 / ARNU24GCFU4

※ U : Floor Standing without case

MODEL		UNIT	ARNU07GCEU4	ARNU09GCEU4	ARNU12GCEU4	ARNU15GCEU4	ARNU18GCFU4	ARNU24GCFU4
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Input (H / M / L)	Nominal	W	24 / 17 / 14	30 / 24 / 17	36 / 30 / 24	44 / 35 / 28	54 / 41 / 29	84 / 54 / 41
Dimensions (W x H x D)	Body	mm	978 x 639 x 190	978 x 639 x 190	978 x 639 x 190	978 x 639 x 190	1,256 x 639 x 190	1,256 x 639 x 190
	Shipping	mm	1,055 x 702 x 260	1,055 x 702 x 260	1,055 x 702 x 260	1,055 x 702 x 260	1,333 x 702 x 260	1,333 x 702 x 260
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 2	19 x 2
	Air Flow Rate (H / M / L)	m³/min	8.5 / 7.5 / 6.5	9.5 / 8.5 / 7.5	10.5 / 9.5 / 8.5	11.5 / 10.0 / 9.5	16.0 / 14.0 / 12.0	18.0 / 16.0 / 14.0
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 12 (15/32)	Ø 12 (15/32)	Ø 12 (15/32)	Ø 12 (15/32)	Ø 12 (15/32)	Ø 12 (15/32)
Weight	Body	kg	21.0	21.0	21.0	21.0	25.0	25.0
Sound Pressure Levels (H / M / L)		dB (A)	35 / 33 / 31	36 / 34 / 32	37 / 35 / 33	38 / 37 / 35	40 / 37 / 34	43 / 40 / 37
Sound Power Levels (H / M / L)		dB (A)	52 / 47 / 43	54 / 51 / 47	54 / 51 / 50	55 / 54 / 51	59 / 57 / 53	63 / 59 / 57
Power Supply		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Transmission Cable		mm²	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

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

Accessories

CHASSIS	ARNU07GCEU4	ARNU09GCEU4	ARNU12GCEU4	ARNU15GCEU4	ARNU18GCFU4	ARNU24GCFU4
Drain Pump	-				-	
Cassette Cover	-				-	
Refrigerant Leakage Detector	PRLDNVS0 (R410a)				PRLDNVS0 (R410a)	
EEV Kit	PRGK024A0				-	
Multi-tenant Power Module	PINPMB001				PINPMB001	
Robot Cleaner	-				-	
Pre Filter (Washable)	○				○	
Ion Generator	-				-	
CO_2 Sensor	-				-	
Ventilation Kit	-				-	
IR Receiver	PWLRVN000				PWLRVN000	
Zone Controller	-				-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)					
External Input (1 Point)	○				○	
Wi-Fi	PWFMDD200				PWFMDD200	

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

Features & Benefits

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

Key Applications

- Factory
- Retail
- Shop
- Office
- Restaurant

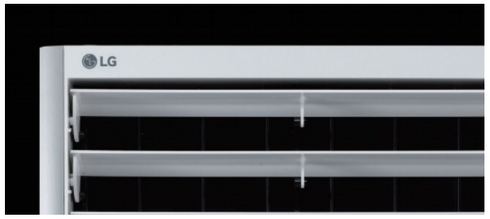
FLOOR STANDING (PAC)		FLOOR STANDING (PAC)
Smart	Wi-Fi*	○
Energy Efficiency	Jet Cool	○
Health	Ionizer	-
Fast Cooling & Heating	Jet Cool	○
Comfort	Sleep Mode	○
	Timer (On / Off)	○
	Timer (Weekly)	-
	Two Thermistor Control	○
	Group Control	○

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

Stylish Design

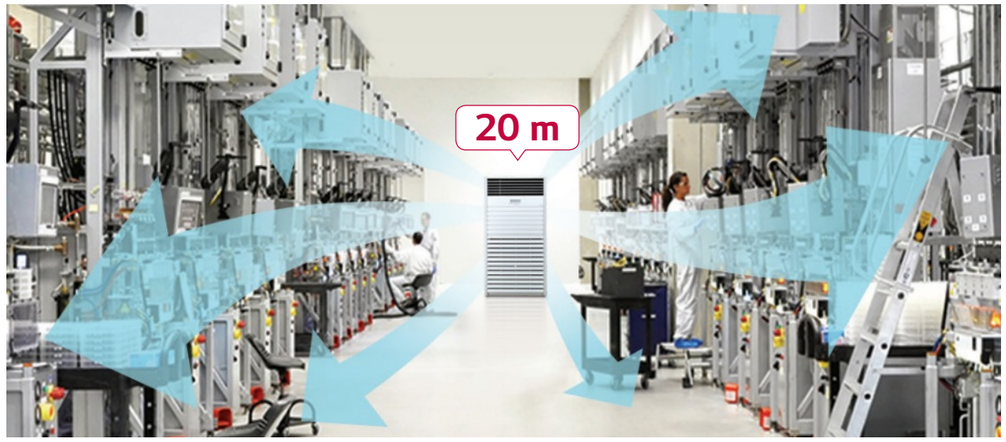
The new LG floor standing air conditioner which is Red Dot design award winner 2013, is ideal for modern interiors in your home or office.

reddot design award
winner 2013



Powerful Air Flow

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



ARNU48GPTA4 / ARNU96GPFA4

MODEL		UNIT	ARNU48GPTA4	ARNU96GPFA4
Cooling Capacity		kW	14.1	28.0
Heating Capacity		kW	15.9	31.5
Power Input	Cooling (SH / H / M / L)	W	260 / 190 / 140 / 110	400 / 280 / - / 180
	Heating (SH / H / M / L)	W	260 / 190 / 140 / 110	400 / 280 / - / 180
FLA (Full Load Ampere)		A	1.3	2.3
Casing			Galvanized Steel Plate	
Dimensions (W×H×D)	Body	mm	590 × 1,840 × 440	1,050 × 1,880 × 495
Coil	Rows × Columns ×FPI		3 ×38 ×19	3 ×40 ×19
	Face Area	m^2	0.39	0.77
Fan	Type		Blower Fan	Blower Fan
	Motor Output x Number	W	224 × 1	700 × 1
	Air Flow Rate (SH / H / M / L) (Standard Mode)	m^3 / min	37 / 33 / 28 / 24	68 / 61 / - / 50
	Drive		Direct	
	Motor Type		BLDC	
Temperature Control			Microprocessor, Thermostat for cooling and heating	
Sound Absorbing Thermal Insullation Material			Foamed Polystyrene	
Air Filter			-	-
Safety Device			Fuse	
Pipe Connections	Liquid Side	mm (inch)	9.52 (3/8)	9.52 (3/8)
	Gas Side	mm (inch)	15.88 (5/8)	22.2 (7/8)
	Drain(ID)	mm	19	22
Net Weight		kg (lbs)	48 (105.8)	103 (227.0)
Sound Pressure Level (SH / H / M / L)		dB (A)	54 / 51 / 49 / 45	60 / 57 / - / 53
Power Supply		Ø / V / Hz	1, 220, 60	1, 220, 60
		Ø / V / Hz	1, 220 ~ 230 ~ 240, 50 / 60	1, 220 ~ 230 ~ 240, 50 / 60
Refrigerant Control			EEV	
Communication Cable		mm^2 (VCTF-SB)	1.0~1.5 x 2 C	1.0~1.5 x 2 C

Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
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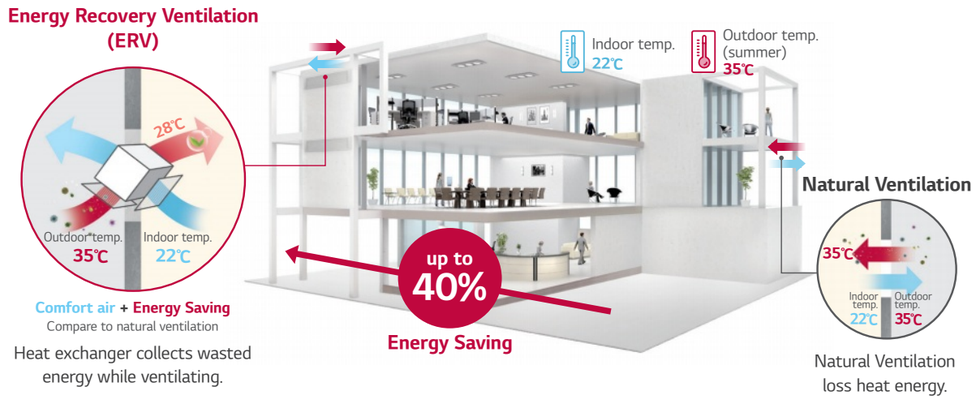
5. Refrigerant information (type, additional charging amount, etc.) must be applied by refrigerant type of the combined outdoor unit. Adapt after checking the specifications of outdoor unit.

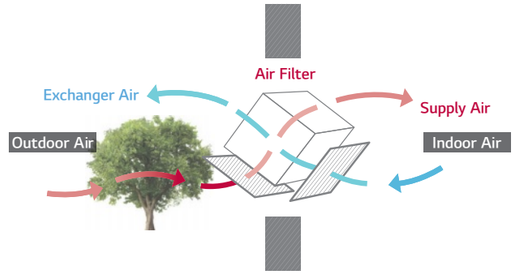
VENTILATION SOLUTIONS

Necessity of ERV



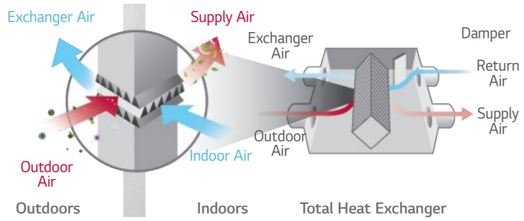
High Efficiency Heat Exchanger

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



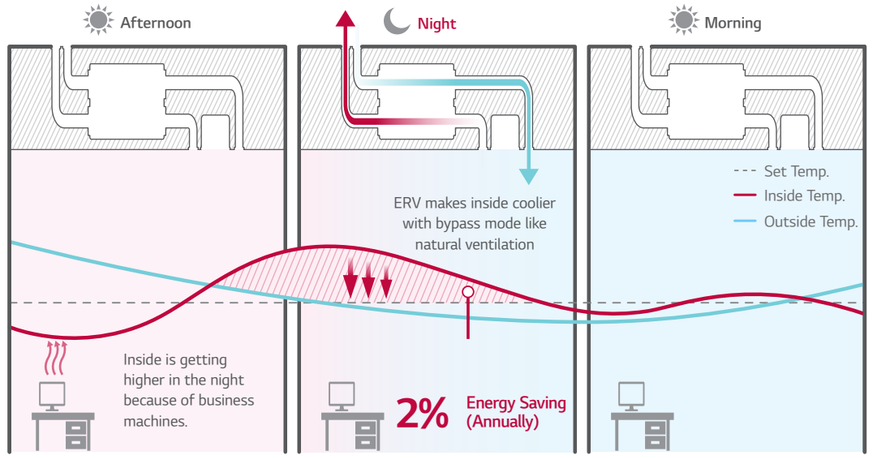
Cross Flow System

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



Night Time Free Cooling

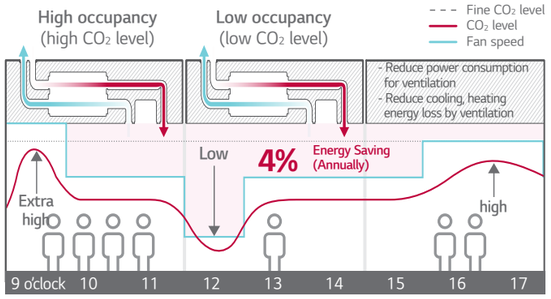
During summer nights, indoor heat can be discharged outdoors and cool outdoor air can be brought indoors for energy savings.



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

CO_2 Auto Operation

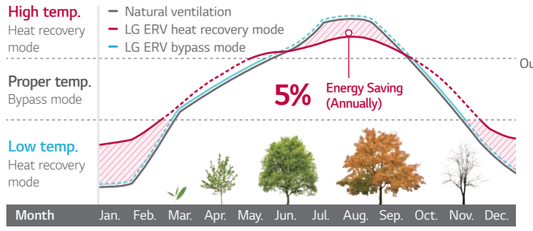
LG ERV reduces energy loss with auto fan speed control following CO_2 level.

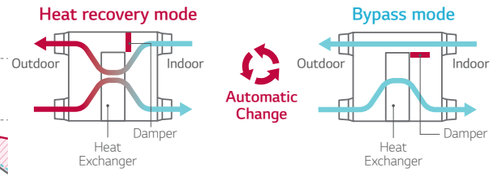


※ This function is operated with 'Night Time Free Cooling' on remote controller. (with MULTI V only)
※ Energy saving ratio can be differed by weather condition.
※ Test Condition - Office (49,000 ft²) / Occupancy : 30
/ Area : London, UK
- ERV (1000 CMH) + MULTI V 4 (12 HP) Unit Combination
- Other conditions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

Seasonal Auto Operation

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

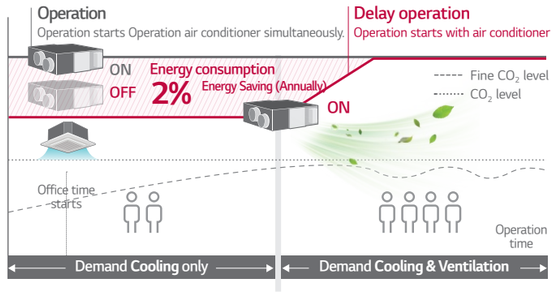




※ This function is operated with 'Auto' mode by wired remote control.
※ Energy saving ratio can be differed by weather condition.
※ Test Condition: - Office (49,000 ft²) / Occupancy : 30 / Area : London, UK
- ERV (1,000 CMH) + MULTI V 4 (12 HP) Unit Combination
- Other conditions are subject to BREEAM

Delay Operation

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



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

CO_2 Level Monitoring

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

CO_2 Level Visualization

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

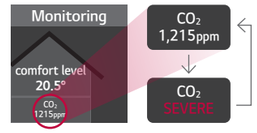
Main display

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

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

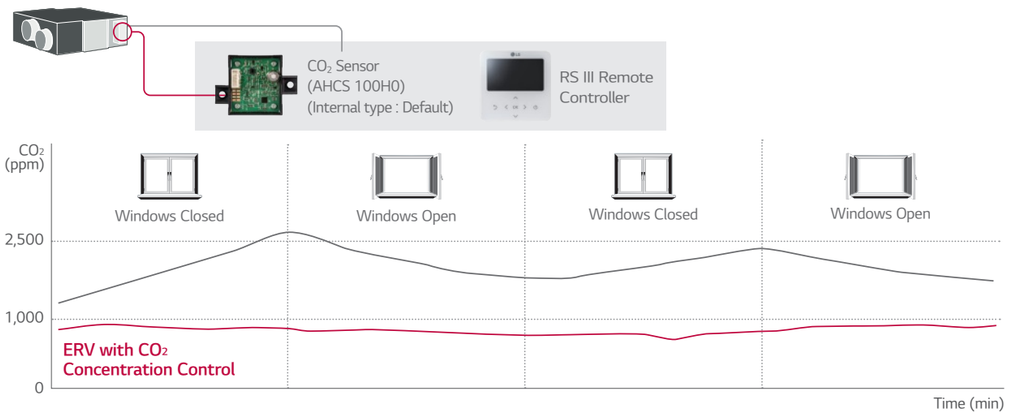
Further information

CO_2 level and room condition are displayed continuously.



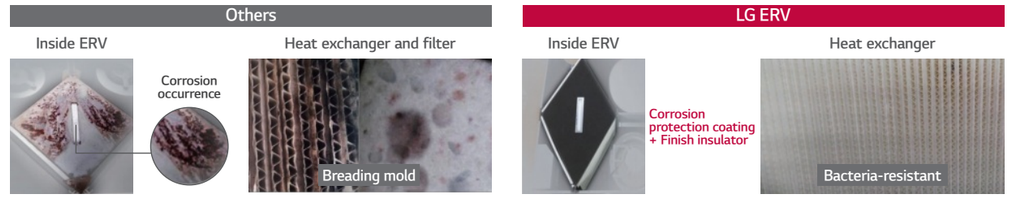
CO_2 Concentration Control

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



High Durability

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

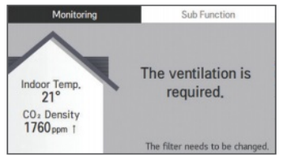


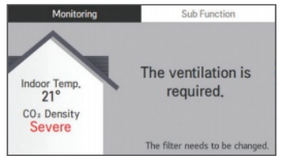
Easy Control

Wired remote controller is easy for usage.

Easy

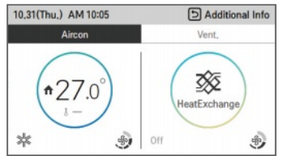
- Navigation buttons, easy to use.
- Easy installation setting





Display

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



Convenient

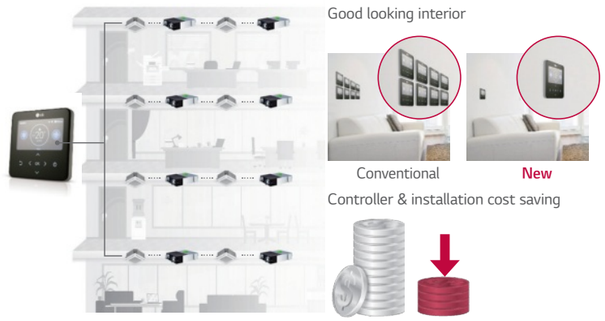
- Flexible display
- Dual display with air conditioner
- Zoom selected directory to increase legibility

Group Control

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

Several units combination

16 units group control is available with 1 remote controller.



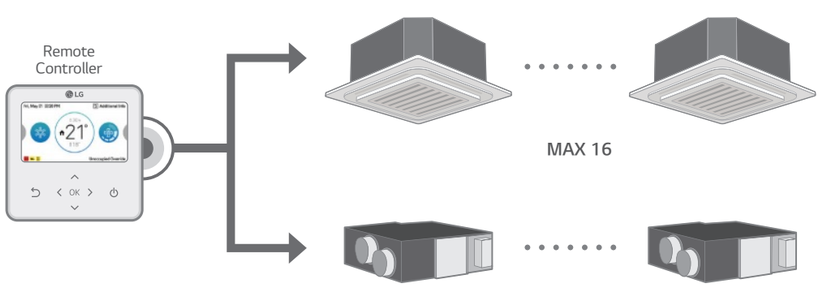
Good looking interior

Conventional New

Controller & installation cost saving

Interlocking with Air Conditioning System

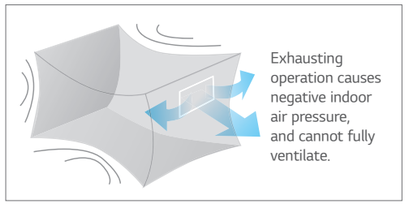
- LG ERV can be interlocked with air conditioners and controlled individually.
- This function can be operated when the system is connected with 1 remote controller.



Fast Ventilation Mode

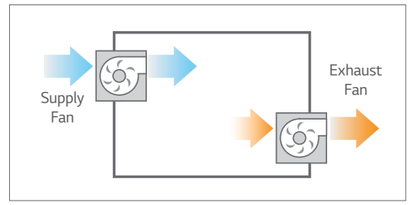
Fast ventilation mode prevents the spread of contaminants under negative indoor pressure, and makes indoor air fresh and comfortable quickly.

Only Exhausting



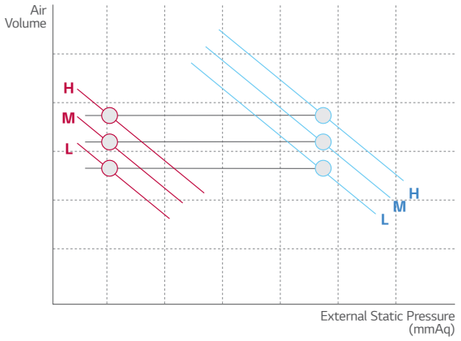
Exhausting and Supplying Simultaneously

Fast Ventilation Mode



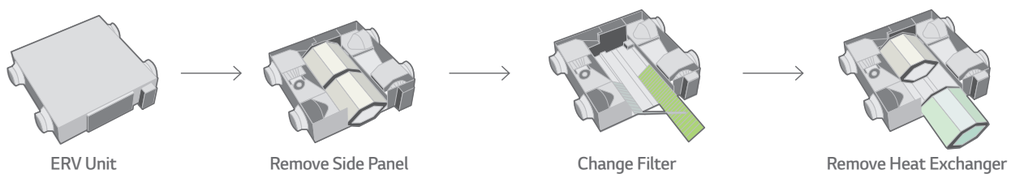
External Static Pressure Control

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



Easy Cleaning and Filter Change

Filter can be conveniently changed and cleaned.



LZ-H025GBA4 / LZ-H035GBA5
LZ-H050GBA5

MODEL			UNIT	LZ-H025GBA4	LZ-H035GBA5	LZ-H050GBA5
Dimensions (W x H x D)	Body		mm	988 x 273 x 1,014		
Weight	Body		kg	44		
Power Supply			Ø / V / Hz	1, 220 ~ 240, 50		
Normal Air flow			m³/h	250	350	500
ERV Mode	Operating Step			Super-high / High / Low		
	Current	SH / H / L	A	0.70 / 0.60 / 0.42	1.05 / 0.90 / 0.50	1.65 / 1.56 / 0.80
	Power Input	SH / H / L	W	97 / 87 /52	150 / 125 / 60	247 / 230 / 95
	Air Flow	SH / H / L	m³/h	250 / 250 / 150	350 / 350 / 210	500 / 500 / 320
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	150 / 100 / 50	150 / 100 / 50
	Temperature Exchange Efficiency	SH / H / L	%	80 / 80 / 83	80 / 80 / 82	79 / 79 / 82
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	70 / 70 / 72	75 / 75 / 80	75 / 75 / 78
		Cooling (SH / H / L)	%	66 / 66 / 68	71 / 71 / 75	68 / 68 / 75
	Energy Label	A+ to G Scale		A	B	B
	Sound Pressure Level	SH / H / L	dB (A)	29 / 28/ 24	35 / 32 / 26	37 / 36 / 28
	Sound Power Level	SH / H / L	dB (A)	50	53 / 50 / 42	57 / 56 / 46
Bypass Mode	Operating Step			Super-high / High / Low		
	Current	SH / H / L	A	0.70 / 0.60 / 0.42	1.05 / 0.90 / 0.50	1.65 / 1.56 / 0.80
	Power Input	SH / H / L	W	97 / 87 /52	150 / 125 / 60	247 / 230 / 95
	Air Flow	SH / H / L	m³/h	250 / 250 / 150	350 / 350 / 210	500 / 500 / 320
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	150 / 100 / 50	150 / 100 / 50
	Sound Pressure Level	SH / H / L	dB (A)	29 / 29/ 25	35 / 33 / 26	37 / 37 / 28
Duct Work		Qty	EA	4		
		Size (Ø)	mm	Ø 200		
Supply Air Fan		Qty	EA	1		
		Type		Direct-drive Sirocco		
Exhaust Air Fan		Qty	EA	1		
		Type		Direct-drive Sirocco		
Filters		Qty	EA	2		
		Type		Cleanable Fibrous Fleeces		
		Size (W x H x D)	mm	855 x 10 x 166		

Note :
1. ERV mode : Total Heat Recovery Ventilation mode
2. Refer to dimensional drawings.
3. Noise level :
   - The operating conditions are assumed to be standard
   - Sound measured at 1.5 m below the center the body.
   - Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
   - The sound level at the air discharge port is about 8 dB (A) higher than the unit's operating sound.
4. Temperature and Enthalpy Exchange Efficiency at cooling Indoor Temperature : 26.5°C DB, 64.5% RH, Outdoor Temperature : 34.5°C DB, 75% RH
5. Temperature and Enthalpy Exchange Efficiency at heating Indoor Temperature : 20.5°C DB, 59.5% RH, Outdoor Temperature : 5°C DB, 65% RH
6. Temperature Exchange efficiency is tested at heating condition.

Accessories

CHASSIS	LZ-H025GBA4	LZ-H035GBA5	LZ-H050GBA5
Drain Pump		-	
Cassette Cover		-	
Refrigerant Leakage Detector		-	
EEV Kit		-	
Multi-tenant Power Module		-	
Robot Cleaner		-	
Pre Filter (Washable)		-	
Ion Generator		-	
CO_2 Sensor		○	
Ventilation Kit		-	
IR Receiver		-	
Zone Controller		-	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB500 (Modbus)	
External Input (1 Point)		-	
Wi-Fi		-	

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

LZ-H080GBA5 / LZ-H100GBA5
LZ-H150GBA5 / LZ-H200GBA5

MODEL			UNIT	LZ-H080GBA5	LZ-H100GBA5	LZ-H150GBA5	LZ-H200GBA5
Dimensions (W x H x D)	Body		mm	1,101 x 405 x 1,230		1,353 x 815 x 1,230	
Weight	Body		kg	63		130	
Power Supply			Ø / V / Hz	1, 220 ~ 240, 50		1, 220 ~ 240, 50	
Normal Air flow			m³/h	800	1,000	1,500	2,000
ERV Mode	Operating Step			Super-high / High / Low		Super-high / High / Low	
	Current	SH / H / L	A	2.13 / 1.75 / 1.00	2.92 / 2.38 / 1.40	4.26 / 3.50 / 2.00	5.92 / 4.76 / 2.80
	Power Input	SH / H / L	W	328 / 266 / 144	463 / 370 / 208	660 / 530 / 290	926 / 740 / 420
	Air Flow	SH / H / L	m³/h	800 / 800/ 660	1,000 / 1,000 / 800	1,500 / 1,500 / 1,200	2,000 / 2,000 / 1,600
	External Static Pressure	SH / H / L	Pa	160 / 100 / 50	160 / 100 / 50	160 / 100 / 50	160 / 100 / 50
	Temperature Exchange Efficiency	SH / H / L	%	82 / 82 / 83	80 / 80 / 81	82 / 82 / 83	80 / 80 / 81
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	73 / 73 / 76	71 / 71/ 73	73 / 73 / 76	71 / 71/ 73
		Cooling (SH / H / L)	%	66 / 66 / 70	64 / 64 / 67	66 / 66 / 70	64 / 64 / 67
	Sound Pressure Level	SH / H / L	dB (A)	40 / 36 / 32	40 / 37 / 33	43 / 39 / 35	43 / 40 / 36
	Sound Power Level	SH / H / L	dB (A)	56 / 53 / 47	59 / 56 / 52	59 / 56 / 50	62 / 59 / 55
Bypass Mode	Operating Step			Super-high / High / Low		Super-high / High / Low	
	Current	SH / H / L	A	2.13 / 1.75 / 1.00	2.92 / 2.38 / 1.40	4.26 / 3.50 / 2.00	5.92 / 4.76 / 2.80
	Power Input	SH / H / L	W	328 / 266 / 144	463 / 370 / 208	660 / 530 / 290	926 / 740 / 420
	Air Flow	SH / H / L	m³/h	800 / 800/ 660	1,000 / 1,000 / 800	1,500 / 1,500 / 1,200	2,000 / 2,000 / 1,600
	External Static Pressure	SH / H / L	Pa	160 / 100 / 50	160 / 100 / 50	160 / 100 / 50	160 / 100 / 50
	Sound Pressure Level	SH / H / L	dB (A)	41 / 37 / 33	41 / 38 / 34	44 / 40 / 36	44/ 41 / 37
Duct Work		Qty	EA	4		4 + 2	
		Size (Ø)	mm	Ø 250		Ø 250 + Ø 350	
Supply Air Fan		Qty	EA	1		2	
		Type		Direct-drive Sirocco		Direct-drive Sirocco	
Exhaust Air Fan		Qty	EA	1		2	
		Type		Direct-drive Sirocco		Direct-drive Sirocco	
Filters		Qty	EA	2		4	
		Type		Cleanable Fibrous Fleeces		Cleanable Fibrous Fleeces	
		Size (W x H x D)	mm	1,148 x 6 x 245		1,148 x 6 x 245	

Note :
1. ERV mode : Total Heat Recovery Ventilation mode
2. Refer to dimensional drawings.
3. Noise level :
   - The operating conditions are assumed to be standard
   - Sound measured at 1.5 m below the center the body.
   - Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
   - The sound level at the air discharge port is about 8 dB (A) higher than the unit's operating sound.
4. Temperature and Enthalpy Exchange Efficiency at cooling Indoor Temperature : 26.5°C DB, 64.5% RH, Outdoor Temperature : 34.5°C DB, 75% RH
5. Temperature and Enthalpy Exchange Efficiency at heating Indoor Temperature : 20.5°C DB, 59.5% RH, Outdoor Temperature : 5°C DB, 65% RH
6. Temperature Exchange efficiency is tested at heating condition.

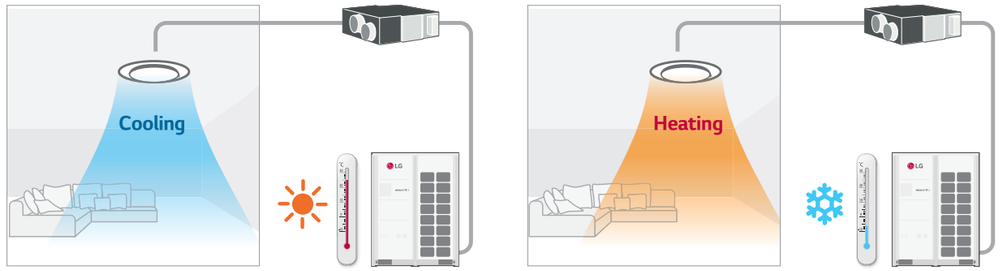
Accessories

CHASSIS	LZ-H080GBA5	LZ-H100GBA5	LZ-H150GBA5	LZ-H200GBA5
Drain Pump		-		
Cassette Cover		-		
Refrigerant Leakage Detector		-		
EEV Kit		-		
Multi-tenant Power Module		-		
Robot Cleaner		-		
Pre Filter (Washable)		-		
Ion Generator		-		
CO_2 Sensor		○		
Ventilation Kit		-		
IR Receiver		-		
Zone Controller		-		
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB500 (Modbus)		
External Input (1 Point)		-		
Wi-Fi		-		

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

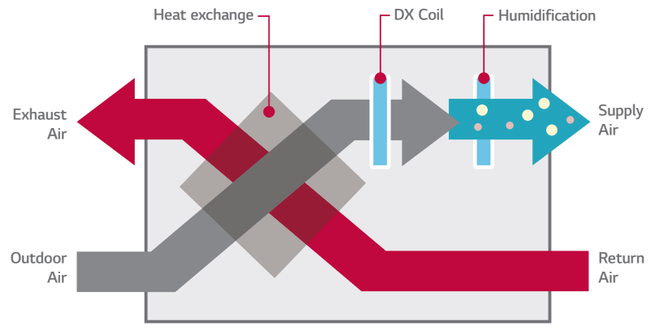
Providing Cool & Warm Fresh Air

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



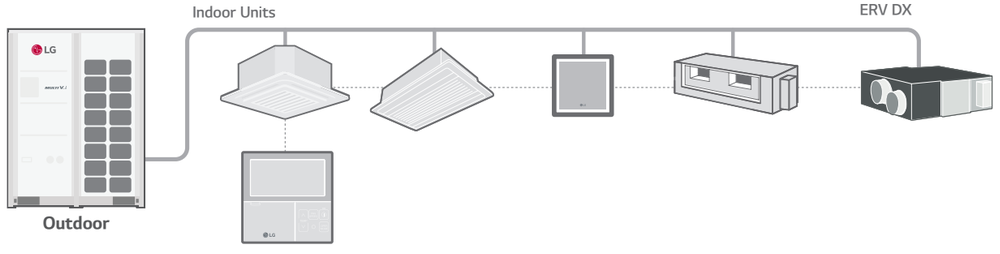
Total Air Conditioning Solution

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



Interlocking with MULTI V

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



LZ-H050GXH4 / LZ-H080GXH4
LZ-H100GXH4 / LZ-H050GXN4
LZ-H080GXN4 / LZ-H100GXN4

MODEL		UNIT	LZ-H050GXH4	LZ-H080GXH4	LZ-H100GXH4	LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Fresh Air Conditioning Load	Cooling	kW	4.93	7.46	9.12	4.93	7.46	9.12
	Heating	kW	6.73	9.80	11.72	6.73	9.80	11.72
Temperature Exchange Efficiency	SH / H / L	%	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78
Enthalpy Exchange Efficiency	Cooling (SH / H / L)	%	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50
	Heating (SH / H / L)	%	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66
Operation Range	Outdoor air Temperature	℃	-15 ~ 45	-15 ~ 45	-15 ~ 45	-15 ~ 45	-15 ~ 45	-15 ~ 45
Air Flow Rate	Heat Exchange Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
	Bypass Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
Fan	External Static Pressure (SH / H / L)	Pa	160 / 120 / 100	140 / 90 / 70	110 / 70 / 60	180 / 150 / 110	170 / 120 / 80	150 / 100 / 70
Humidifier	System		Natural Evaporating Type			-		
	Amount	kg/h	2.70	4.00	5.40	-		
	Pressure Feed Water	Mpa	0.02 ~ 0.49			-		
Sound Pressure	Heat Exchange Mode (SH / H / L)	dB (A)	38 / 36 / 33	39 / 37 / 34	40 / 38 / 35	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
	Bypass Mode (SH / H / L)	dB (A)	39 / 37 / 34	40 / 38 / 35	40 / 38 / 35	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
Refrigerant			R410A					
Power Supply		Ø / V / Hz	1, 220 ~ 240, 50 / 60					
Power Input (Nominal)	Heat Exchange Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27
	Bypass Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27
Nominal Running Current (RLA)	Heat Exchange Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
	Bypass Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
Heat Exchange System			Air to Air Cross Flow Total Heat (Sensible + Latent Heat) Exchange			Air to Air Cross Flow Total Heat (Sensible + Latent Heat) Exchange		
Heat Exchange Element			Specially Processed Non-flammable Paper			Specially Processed Non-flammable Paper		
Air Filter			Multidirectional Fibrous Fleeces			Multidirectional Fibrous Fleeces		
Dimensions	W x H x D	mm	1,667 x 365 x 1,140			1,667 x 365 x 1,140		
Net Weight		kg	105			98		
Piping Connection	Liquid	mm	Ø 6.35			Ø 6.35		
	Gas	mm	Ø 12.7			Ø 12.7		
	Water	mm	Ø 6.35			-		
	Drain Pipe (Internal Dia.)	mm (inch)	Ø 25 (1)			Ø 25 (1)		
Connection Duct Diameter		mm	Ø 250			Ø 250		

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

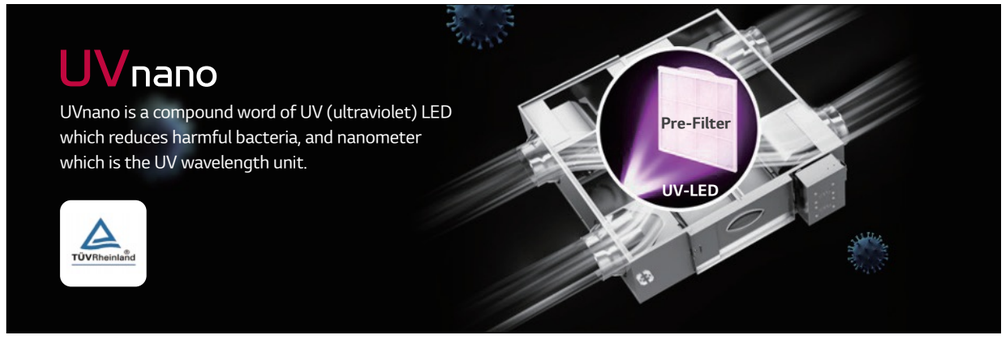
Accessories

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

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

Supply Clean Air

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

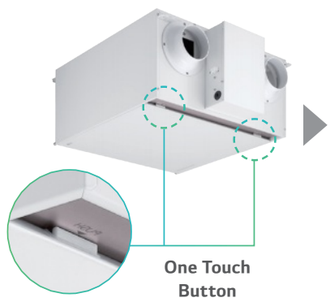


UVnano Technology Applied

It Prevents 99.99% of Bacteria and Viruses from Growing

Easy Filter Maintenance

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



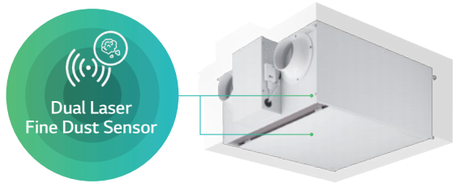
After pressing the one-touch button, unhook the safety hooks that holds door from failing to fully open the door.

Hold the filter handle and pull it out down.

Smart Control

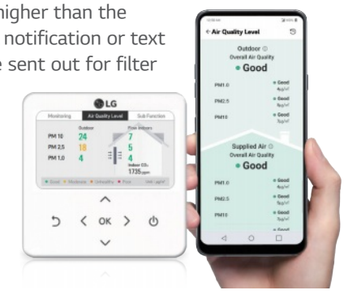
① Dual Laser Fine Dust Sensor

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



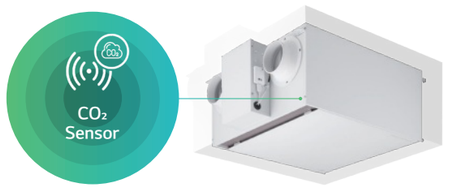
When the measured dust concentration in the air supplied to the room is higher than the pre-set value, a notification or text message will be sent out for filter replacement.

* Wi-Fi Modem is Optional.



② CO_2 Monitoring

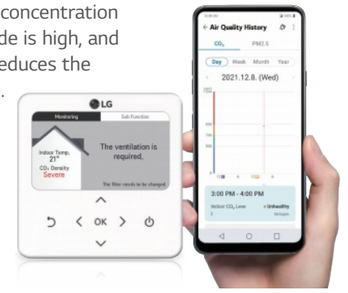
The embedded CO_2 sensor monitors the carbon dioxide concentration in the room in real time and automatically controls the ventilation rate.



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

* Wi-Fi Modem is Optional.

* CO_2 Sensor is Embedded.



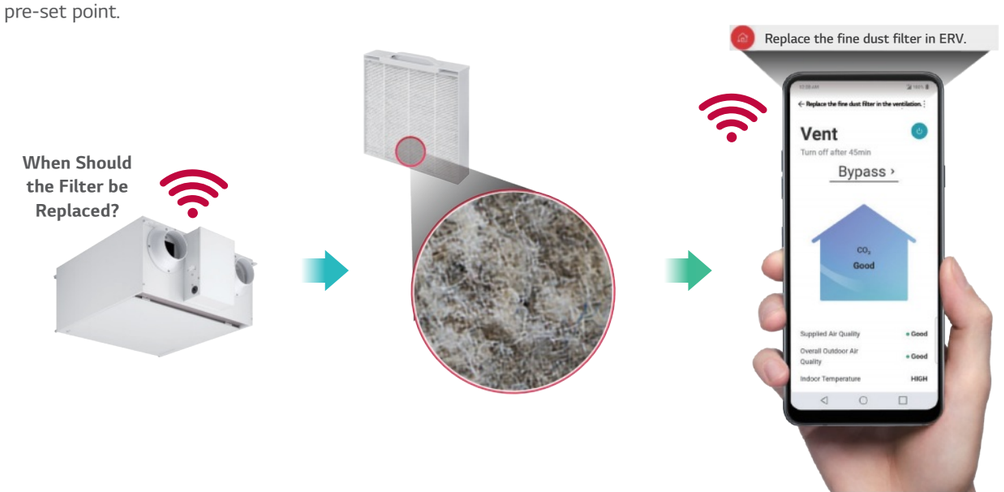
③ Control ERV Anytime, Anywhere

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

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

④ Filter Maintenance Alarm

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



LZ-H015GBA6 / LZ-H020GBA6

MODEL			UNIT	LZ-H015GBA6	LZ-H020GBA6
Dimensions (W x H x D)	Body		mm	640 x 320 x 640	640 x 320 x 640
Weight	Body		kg	23	23
Power Supply			Ø / V / Hz	1, 230, 50	1, 230, 50
ERV Mode	Operating Step			SH / H / L	SH / H / L
	Current	SH / H / L	A	0.43 / 0.38 / 0.23	0.59 / 0.51 / 0.26
	Power Input	SH / H / L	W	56 / 49 / 26	79 / 71 / 30
	Air Flow	SH / H / L	CMH	150 / 150 / 80	200 / 200 / 100
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	100 / 70 / 50
	Temperature Exchange Efficiency	Heating (SH / H / L) (ErP)	%	85	82
		Heating (SH / H / L) (JIS)	%	80 / 80 / 84	78 / 78 / 82
		Cooling (SH / H / L) (JIS)	%	74 / 74 / 83	70 / 70/ 81
	Enthalpy Exchange Efficiency	Heating (SH / H / L) (JIS)	%	79 / 79 / 83	75 / 75 / 81
		Cooling (SH / H / L) (JIS)	%	74 / 74 / 80	68 / 68 / 76
	Energy Label	A+ to G Scale		A	A
	Sound Power Level	SH / H / L	dB (A)	53 / 51 / 45	55 / 53 / 46
	Sound Pressure Level	SH / H / L	dB (A)	28 / 26 / 21	30 / 28 / 22
Bypass Mode	Current	SH / H / L	A	0.45 / 0.40 / 0.26	0.60 / 0.52 / 0.29
	Power Input	SH / H / L	W	63 / 53 / 31	84 / 73 / 35
	Air Flow	SH / H / L	CMH	150 / 150 / 80	200 / 200 / 100
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	100 / 70 / 50
Operation Range	Outdoor Air Temperature / Relative Humidity		℃ /%	-10 ~ 40 / 20 ~ 80	-10 ~ 40 / 20 ~ 80
Duct Work	Qty		EA	4	4
	Size (Ø)		mm	125	125
Fan Motor	Supply Air Fan		RPM	1,850 / 1,710 / 1,300	2,050 / 1,910 / 1,400
	Exhaust Air Fan		RPM	1,750 / 1,600 / 1,250	1,910 / 1,770 / 1,320
	Max.		RPM	2,100	2100
	Min.		RPM	1,000	1,000
Filters	Grade(1)		-	ePM1 95%	ePM1 95%
	Size (W x H x D)		mm	278 x 276 x 50	278 x 276 x 50

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

Accessories

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

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

Functions

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

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

HOT WATER SOLUTION

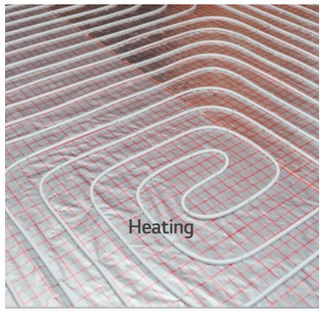
HYDRO KIT

Features & Benefits

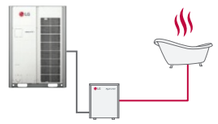
- Lower operation cost compared to fossil fuel-based systems such as boilers.
- More energy saving through MULTI V heat recovery system.

Key Applications

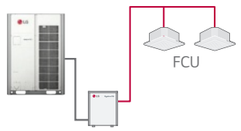
- Where Hot Water is needed such as domestic Hot Water, underfloor heating, or radiator. Where cold water is needed such as Fan coil unit and chilled beam.



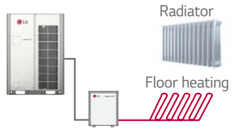
Hot Water



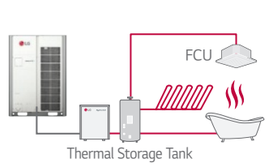
Fan Coil Unit Heating / Cooling



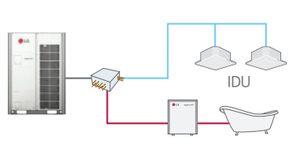
Radiant Heating / Cooling



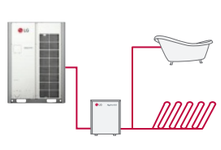
Combination



Thermal Storage System



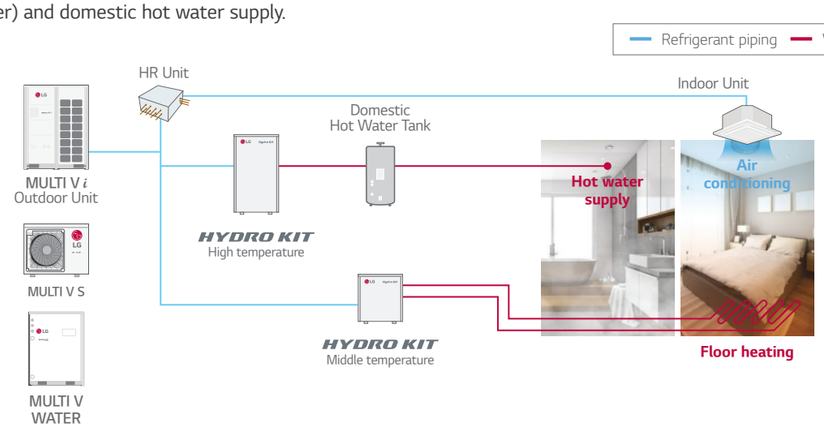
HR unit (Cooling & Hot water)



Hot water+ Underfloor heating

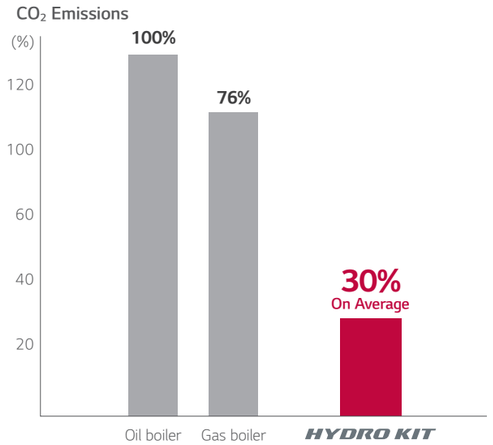
Total Solution

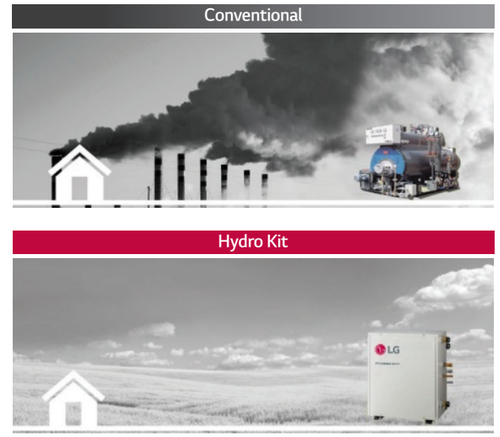
Total solution provided with heat pump, air conditioning (Cooling by refrigerant and cold water / heating by refrigerant hot water) and domestic hot water supply.



Eco-conscious Solution

Green energy solution through the reduction of CO_2 emmisions.

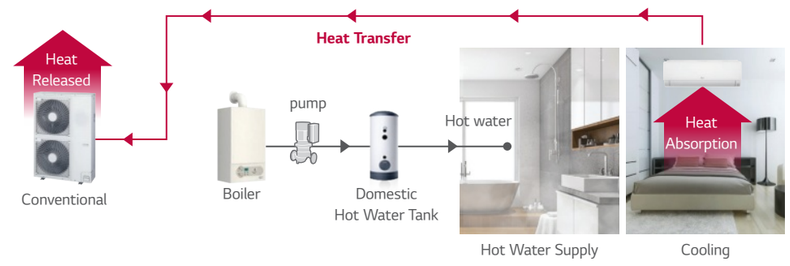




Energy Savings through Heat Recovery

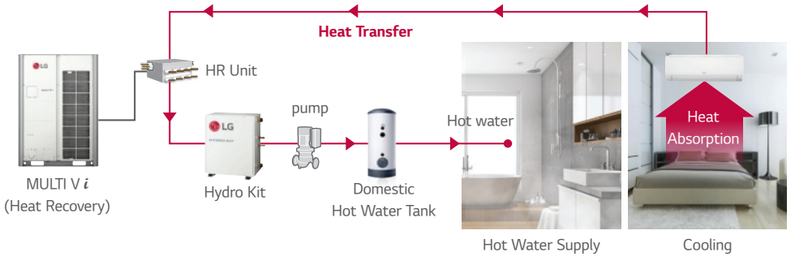
Air-conditioner + Domestic hot water using boiler

Absorbed heat is released to outdoor air.

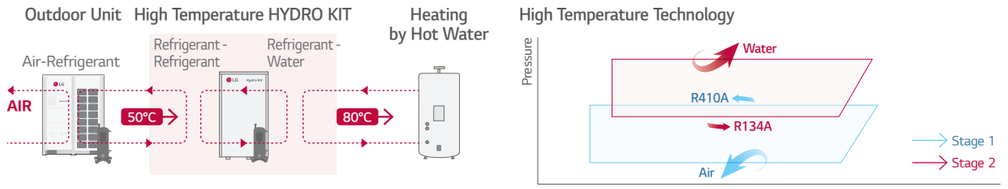


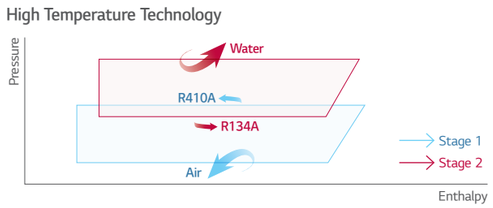
HYDRO KIT

Absorbed heat from indoor space is used for making hot water.



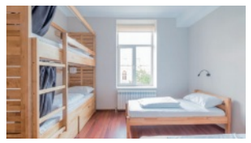
High Temperature HYDRO KIT Cycle Diagram

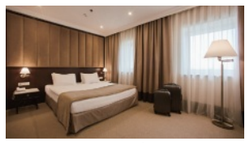




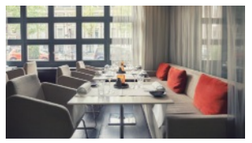
Various Applications

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


Dormitory


Hotel


Office


Restaurant


Fitness

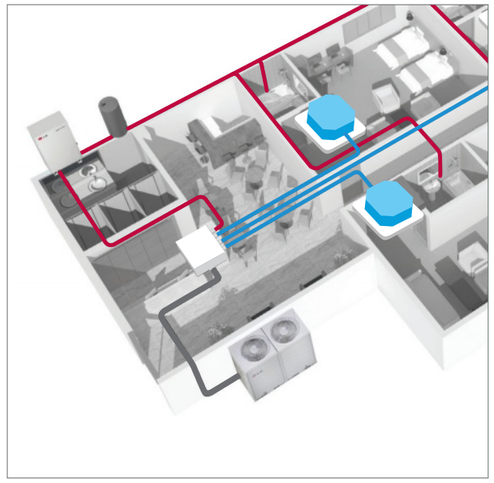

Hospital


Factory


Residential

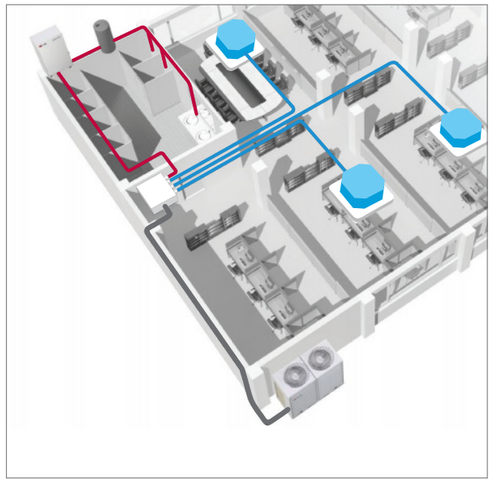
Hotel Application

Simultaneous cooling and heating operation during summer to produce hot water by using heat energy recovered from indoor cooling process.



Office Application

The energy recovered from office cooling can be used to generate hot water for use in the offices.



NOTE

ARNH04GK2A4 / ARNH10GK2A4

MODEL		UNIT	ARNH04GK2A4	ARNH10GK2A4
Cooling Capacity		kW	12.3	28.0
Heating Capacity		kW	13.8	31.5
Power Input	Nominal[1)]	W	10	10
Exterior Color			Morning Gray	Morning Gray
RAL Code			RAL 7030	RAL 7030
Dimensions (W x H x D)	Body	mm	520 x 631 x 330	520 x 631 x 330
	Shipping	mm	677 x 687 x 418	677 x 687 x 418
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 22.2 (7/8)
	Drain Pipe (Internal Dia.)	A (inch)	25 A (Male PT 1)	25 A (Male PT 1)
Water Pipe Connections	Inlet	A (inch)	25 A (Male PT 1)	25 A (Male PT 1)
	Outlet	A (inch)	25 A (Male PT 1)	25 A (Male PT 1)
Weight	Body	kg	29.2	33.7
Sound Pressure Levels (H / M / L)		dB (A)	26	26
Power Supply		Ø / V / Hz	1, 220 ~ 240, 50 / 60	1, 220 ~ 240, 50 / 60
Communication Cable		mm^2 x No.	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

1) Nominal : Performance tested under EN14511
Note :
1. Capacities are based on the following conditions :
   - Cooling : Indoor 27°C (80.6°F) DB / 19° C (66.2°F) WB,
     Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB, Water Inlet 23°C (73.4°F) / Outlet 18°C (64.4°F)
   - 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 30°C (86°F) / Outlet 35°C (95°F)
2. Piping Length : Interconnected Pipe Length = 7.5 m
3. Difference limit of elevation (outdoor ~ indoor unit) is Zero.
4. MULTI V S 4 HP (ARUN040GSS5, ARUN040LSS0) cannot be connected to Hydro Kit.
5. MULTI V Water S cannot be connected to Hydro Kit.
6. Anti freezing liquid should be added under 10°C (outdoor temp.) during cooling mode.

Accessories

CHASSIS	ARNH04GK2A4	ARNH10GK2A4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	-	
Multi-tenant Power Module	○	
Robot Cleaner	-	
Pre Filter (Washable)	-	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

ARNH04GK3A4 / ARNH08GK3A4

MODEL		UNIT	ARNH04GK3A4	ARNH08GK3A4
Heating Capacity		kW	13.8	25.2
Power Input	Nominal[1)]	W	2,300	5,000
Exterior Color			Morning Gray	Morning Gray
RAL Code			RAL 7030	RAL 7030
Dimensions (W x H x D)	Body	mm	520 x 1,074 x 330	520 x 1,080 x 330
	Shipping	mm	682 x 1,168 x 423	682 x 1,168 x 423
Pipe Connections	Liquid Side	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side	mm (inch)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
	Drain Pipe (Internal Dia.)	A (inch)	25 A (Male PT 1)	25 A (Male PT 1)
Water Pipe Connections	Inlet	A (inch)	25 A (Male PT 1)	25 A (Male PT 1)
	Outlet	A (inch)	25 A (Male PT 1)	25 A (Male PT 1)
Weight	Body	kg	86.0	91.0
Sound Pressure Levels (H / M / L)		dB (A)	43	46
Power Supply		Ø / V / Hz	1, 220 ~ 240, 50 / 60	1, 220 ~ 240, 50 / 60
Communication Cable		mm^2 x No.	1.0 ~ 1.5 x 2 C	1.0 ~ 1.5 x 2 C

1) Nominal : Performance tested under EN14511
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 = 7.5 m
3. Difference limit of elevation (outdoor ~ indoor unit) is Zero.
4. MULTI V S 4 HP (ARUN040GSS5, ARUN040LSS0) cannot be connected to Hydro Kit.
5. MULTI V Water S cannot be connected to Hydro Kit.

Accessories

CHASSIS	ARNH04GK3A4	ARNH08GK3A4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	-	
Multi-tenant Power Module	○	
Robot Cleaner	-	
Pre Filter (Washable)	-	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320	
External Input (1 Point)	○	
Wi-Fi	PWFMDD200	

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

Product \ Controller			Premium	Standard III	Standard II	Simple		Simple for Hotel		Wireless	Dry Contact			
			PREMTA000 PREMTA000A PREMTA000B	PREMTB11	PREMTB101	PREMTB001	PREMTB001	PQRCVCL0Q	PQRCVCL0QW	PQRCHCA0Q	PQRCHCA0QW	PWLSSB21H (H/P)	Simple Dry Contact PDRYCB000	2 points Dry Contact PDRYCB400	Dry Contact for Thermostat PDRYCB320	For Modbus PDRYCB500 PDRYCB510
MULTI V	Ceiling Mounted Cassette	4 Way	ARNU-A4 ARNU-B4	○	○	○	○		○		○	○	○	○	○	○
		2 Way / 1 Way	ARNU-B4 ARNU-C4	○	○	○	○		○		○	○	○	○	○	○
		Round CST	ARNU-A4	○	○	○	○		○		○	○	○	○	○	○
	Ceiling Concealed Duct	High / Mid Statics	ARNU-A4	○	○	○	○		○		○	△	○	○	○	○
		Low Statics	ARNU-G4	○	○	○	○		○		○	△	○	○	○	○
	FAU (Fresh Air intake)		ARNU-Z4	○	○	○	○		○		○	△	○	○	○	○
	Convertible & Ceiling Suspended		ARNU-A4	○	○	○	○		○		○	○	○	○	○	○
	Console		ARNU-A4	○	○	○	○		○		○	○	○	○	○	○
	Floor Standing		ARNU-A4 ARNU-U4	○	○	○	○		○		○	○	○	○	○	○
	Floor Standing (PAC)		ARNU-A4	○	○	○	○		○		○	○	○	○	○	○
	Wall Mounted		ARNU-A4 ARNU-C4 ARNU-N4	○	○	○	○		○		○	○	○	○	○	○
	HYDRO KIT [1]		ARNH-A4	-	-	-	-		-		-	-	○	-	○	-
	Ventilation	Energy Recovery Ventilator		○	○	○	-		-		-	-	○	-	-	○
		Energy Recovery Ventilator with DX coil		○	○	○	-		-		-	-	○	-	-	○
	AHU Communication Kit			○	○	○	-		-		-	△	-	-	-	-

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

Controller Name		Wired Remote Controller					Wireless Remote Controller	Wi-Fi Modem
		Premium	Standard III	Standard II	Simple	Simple (Hotel)		
Model Name		PREMTA000 PREMTA000A PREMTA000B	PREMTB101 PREMTBB11	PREMTB001 PREMTBB01	PQRCVCL0Q PQRCVCL0QW	PQRCHCA0Q PQRCHCA0QW	PWLSSB21H (H/P)	PWFMDD200
Basic	On / Off	○	○	○	○	○	○	○
	Fan Speed Control	○	○	○	○	○	○	○
	Temperature Setting	○	○	○	○	○	○	○
	Mode Change	○	○	○	○	-	○	○
	Auto Swing	○	○	○	○	○	○	
	Vane Control (Louver Angle)	○	○	○	○	○	○	○
	E.S.P (External Static Pressure)	○	○	○	○	○	-	-
	Electric Failure Compensation	○	○	○	○	○	-	○
	Indoor Temperature Display	○	○	○	○	○	○	
	ALL Button Lock (Child Lock)	○	○	○	○	○	-	-
Advanced	Schedule / Timer	Weekly - Yearly	Weekly - Yearly	Weekly	-	-	Sleep / On / Off	Weekly
	Additional Mode Setting [1]	○	○	○	-	-	-	-
	Time Display	○	○	○	-	-	○	-
	Humid. Display	○	○	-	-	-	-	-
	Advanced Lock (Mode, Set Point, Set Point Range, On / Off Lock)	Advanced Lock	Advanced Lock	-	-	-	-	-
	Filter Sign	○	○	○	-	-	-	-
	Energy Management [2]	○	○	○	-	-	-	-
	Dual Set Point	○	○	-	-	-	-	-
	Human Detection	-	○	-	-	-	-	-
	Temp, Humidity Compensation	○	○	-	-	-	-	-
	Wi-Fi AP Mode Setting	○	○	○	○	○	○	-
ETC	Operation Status LED	○	○	○	○	○	-	-
	Wireless Remote Controller Receiver	○ [3]	-	○ [3]	○ [3]	○ [3]	-	-
	Display	5 inch Color	4.3 inch Color	4.3 inch mono	2.6 inch mono	2.6 inch mono	2 inch mono	-
	Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	120 x 121 x 16	70 x 121 x 16	70 x 121 x 16	51 x 153 x 26	48 x 68 x 14
	Black Control for Screen Saver	○	○	-	-	-	-	-

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

NO.	NEW FUNCTION NAME (4TH GENERATION INDOOR)	FUNCTION DESCRIPTION	REQUIRED CONTROLLER		REMARKS	WIRED REMOTE CONTROLLER					CENTRALIZED CONTROLLER				
			WIRED REMOTE CONTROLLER	CENTRALIZED CONTROLLER		PREMIUM (PREMTA000 PREMTA000A PREMTA000B)	STANDARD III (PREMTB101) (PREMTBB11)	STANDARD II (PREMTBB01) (PREMTB001)	SIMPLE		AC EZ (PQCSZ250S0)	AC EZ TOUCH (PACEZA000)	AC SMART 5 (PACS5A000)	ACP 5 (PACP5A000)	AC MANAGER 5 (PACM5A000)
									SIMPLE FOR HOTEL (PQRCHCA0Q / QW)	SIMPLE (PQRCVCL0Q / QW)					
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) Synchronization function with remote control (Synchronization 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) Synchronization according to occupied / unoccupied by indoor and central control 2) Synchronization icon with remote controller (synchronization monitoring)	○	○	* Centralized 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) * Central controller can create and control group.	○	○	○	-	-	-	-	○	○	○
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 recognize with wired remote controller (CH230) * Combined with MULTI V Water S outdoor unit, this function is not available. * Accessory PRLDNVS0 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 Step)	○	-	* Thermo On / Off temperature setting (4 step)	○ (4 step)	○ (4 step)	○ (3 step)	○ (3 step)	○ (3 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 be controlled by 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.	○	○	* The alarm activates on the central controller, but the remaining time is not displayed.	○	○	○	-	-	○	○	○	○	○
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 *i*	○	○	-	-	-	-	-	○	○	-
16	Comfort Cooling Setting	set the outdoor unit comfort cooling operation value	○	○	* Available only with MULTI V *i*	○	○	-	-	-	-	-	○	○	-
17	Smart Load Control Setting	Change the outdoor unit's Smart Load Control stage value.	○	○	* Available only with MULTI V *i*	○	○	-	-	-	-	-	○	○	-
18	ODU Refrigerant Noise Reduction Setting	Set the outdoor unit's refrigerant noise reduction function	○	○	* Available only with MULTI V *i*	○	○	-	-	-	-	-	○	○	-
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 *i*	○	○	-	-	-	-	○	○	○	-

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

※ ○ : Applied, - : Not applied

212 ~ 277

CONTROL SOLUTIONS

The perfect choice for innovative building management

LG BECON HVAC SOLUTION

Innovative building management solution in your hands.
Our optimized solutions provide integrated control for customers configuration of various equipment in building and intuitive interface to maximize efficiency of operations.

ENERGY SAVING

SMART MANAGEMENT

EASY EXPANDABILITY

SMART MANAGEMENT

Standard III
Remote Controller

Premium
Remote Controller

Wi-Fi Modem
(with ThinQ)

EASY EXPANDABILITY

Modbus Gateway

ACU IO Module

Dry Contact

ACP 5

ACS IO Module

ENERGY SAVING

PDI

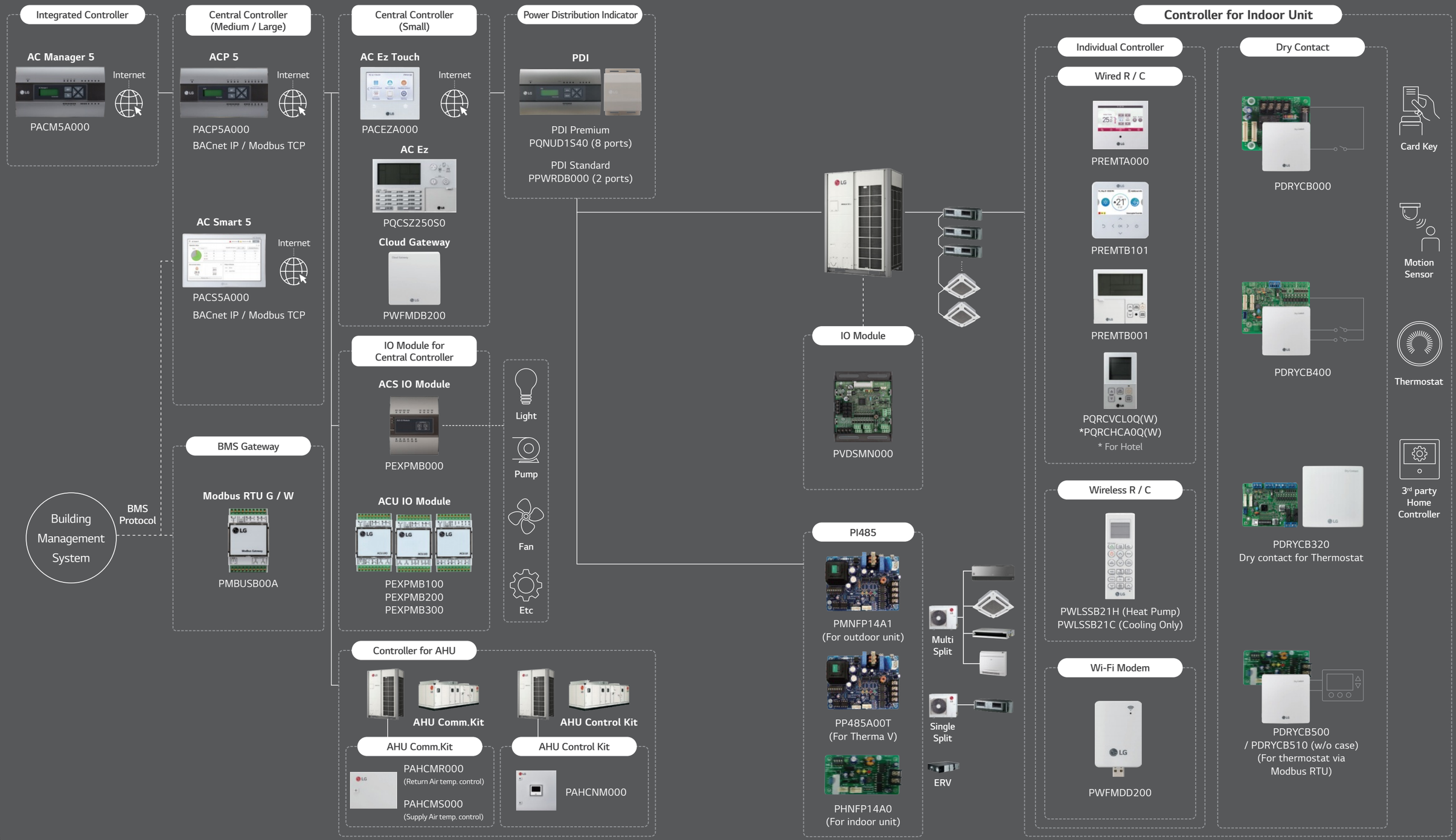
AC Smart 5

AC Manager 5

AC Ez Touch

CONTROL SYSTEM ARCHITECTURE

LG BECON HVAC SOLUTION offers a diverse range of effective control solutions that satisfy specific needs of each building and its user scene. These control systems are equipped with user-friendly interface, flexible interlocking environment, energy management and smart individual controller for optimized controlling conditions and smart building management.



Feature Functions

Controller Name		Wired Remote Controller					Wireless Remote Controller	Wi-Fi Modem
		Premium	Standard III	Standard II	Simple	Simple (Hotel)		
Model Name								
		PREMTA000 PREMTA000A PREMTA000B	PREMTB101 PREMTBB11	PREMTB001 PREMTBB01	PQRCVCL0Q PQRCVCL0QW	PQRCHCA0Q PQRCHCA0QW	PWLSSB21H (H/P) PWLSSB21C (C/O)	PWFMDD200
Basic	On / Off	○	○	○	○	○	○	○
	Fan Speed Control	○	○	○	○	○	○	○
	Temperature Setting	○	○	○	○	○	○	○
	Mode	○	○	○	○	-	○	○
	Auto Swing	○	○	○	○	○	○	○
	Vane Control (Louver Angle)	○	○	○	○	○	○	○
	E.S.P (External Static Pressure)	○	○	○	○	○	-	-
	Electric Failure Compensation	○	○	○	○	○	-	○
	Indoor Temperature Display	○	○	○	○	○	○	○
	All Button Lock (Child Lock)	○	○	○	○	○	-	-
	Schedule / Timer	Weekly - Yearly	Weekly - Yearly	Weekly	-	-	Sleep / On / Off	Weekly
	Wi-Fi AP Mode Setting	○	○	○	○	○	○	-
Advanced	Additional Mode Setting [1]	○	○	○	-	-	-	-
	Time Display	○	○	○	-	-	○	-
	Humidity Display	○	○	-	-	-	-	-
	Advanced Lock (Mode, Set Point, Set Point Range, On / Off Lock)	Advanced Lock	Advanced Lock	-	-	-	-	-
	Filter Sign	○	○	○	-	-	-	-
	Energy Management [2]	○	○	○	-	-	-	-
	Dual Set Point	○	○	-	-	-	-	-
	Human Detection	-	○	-	-	-	-	-
	Temp, Humidity Compensation	○	○	-	-	-	-	-
	Air Purify Control	-	○	-	-	-	○	○
	Air Quality Level	-	○	-	-	-	-	○
	Dual Vane (6 Airflows Mode)	-	○	-	-	-	○	○
ETC	Operation Status LED	○	○	○	○	○	-	-
	Wireless Remote Controller Receiver	○ [3]	-	○ [3]	○ [3]	○ [3]	-	-
	Display	5 inch Color	4.3 inch Color	4.3 inch mono	2.6 inch mono	2.6 inch mono	2 inch mono	-
	Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	120 x 121 x 16	70 x 121 x 16	70 x 121 x 16	51 x 153 x 26	48 x 68 x 14
	Black Control for Screen Saver	○	○	-	-	-	-	-

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

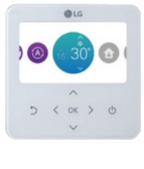
Design
- 4.3 inch color LCD / Intuitive GUI
- Seamless design / Touch button
- Humidity sensor embedded

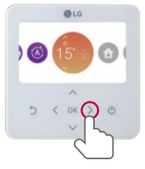
Comfort & Air Purification
- CO_2 level monitoring (For ERV)
- Air quality level monitoring
- Air purify control

Energy Contents
- Power consumption monitoring
- Operation time monitoring
- Temperature setback
- Time limit control

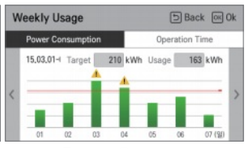
Advanced Functions
- Comfort cooling setting
- Smart Load Control setting
- Outdoor unit low noise setting
- Defrost noise setting
- ODU capacity control
- Schedule functions

Touch Button

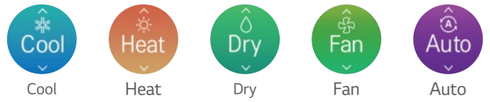




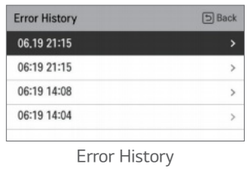
Comfort Level



Energy Contents



Cool Heat Dry Fan Auto



Error History

Standard III Wired Remote Controller

PREMTB101 (White) / PREMTBB11 (Black)

4.3 inch colored screen with modern design.

New Modern Design

Comfort & Reliability (Air Purify)

Schedule

Convenience

Energy Management

Interlocking

MODEL NAME	PREMTB101 / PREMTBB11
On / Off	○
Fan Speed Control	○
Temperature Setting	○
Mode	Cool / Heat / Dry / Fan / Auto
Additional Mode Setting [1]	Energy-Saving Cooling / Robot Cleaning / Heater / Humidification / Comfort Cooling
Auto Swing	○
Vane Control (Louver direction)	○
E.S.P (External Static Pressure) [2]	○
Reservation	Simple / Sleep / On & Off timer / Weekly / Yearly / Holiday
Time Display	○
Electric Failure Compensation	○
Lock	All / On & Off / Mode / Set Temperature Range
Filter Sign	○ (Remain time + Alarm)
Energy Management	Check Energy Usage [3] / Check Operation Time / Target Setting (Energy, Operation Time) / Time Limit Operation / Alarm Popup / Initialization Usage Data
Operation Status LED	○
Air Purify Control [4]	○
Air Quality Level [4]	○
Indoor Temperature Display	○
Indoor Humidity Display	○
Human Detection	○
Display	4.3 inch TFT color LCD (480 x 272)
Size (W x H x D, mm)	120 x 120 x 16
Black Light for Screen Saver	○
Home Leave	2 Set Points Control

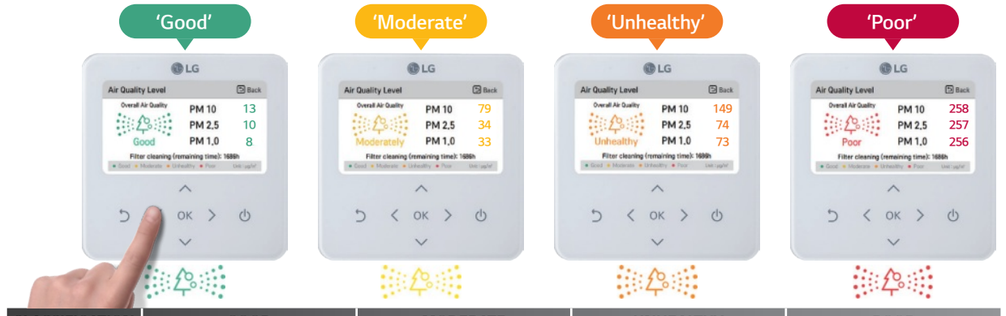
※ ○ : Applied, - : Not Applied
1) The function is available in some product. (Refer to the product data Book).
2) This function is available for duct type.
3) This function requires PDI (PQNUD1S40 / PPWRDB000) to be installed.
4) This function is available for indoor units that provide corresponding function.
Note :
1. Indoor unit needs to have functions requested by the controller.
2. 2 set points control works normally with MULTI V Heat Recovery and Single Split Heat Pump. But in case of MULTI V Heat Pump, It may not work properly.

Standard III Wired Remote Controller

Air Quality Level Display

Easy check for indoor air quality

· PM10 / PM2.5 / PM1.0 · Status / Monitoring



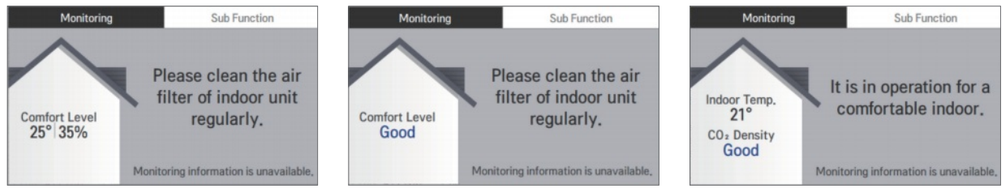
CLASSIFICATION	GOOD	MODERATE	UNHEALTHY	POOR
* PM10 (㎍ / m3)	0 ~ 54	55 ~ 154	155 ~ 254	255 ~
* PM2.5 (㎍ / m3)	0 ~ 12	13 ~ 35	36 ~ 55	56 ~
* PM1.0 (㎍ / m3)	0 ~ 12	13 ~ 35	36 ~ 55	56 ~

Note : Display color may change depending on the region / country.
This function is available for indoor units that provide corresponding function.
* PM (Particulate matter)
- PM10 : Coarse Particulate matter / PM2.5 : Fine Particulate matter / PM1.0 : Ultra Fine Particulate matter
- PM designated as a carcinogen as like an asbestos, widely known as carcinogen.
If the dust diameter is under 10 micrometers, it is PM10. And under 2.5 micrometers, it's PM2.5.

Environment Display

Displaying environment information for the more user comfort

Temperature / Humidity / Comfort level / CO_2 concentration



Dual Set Point

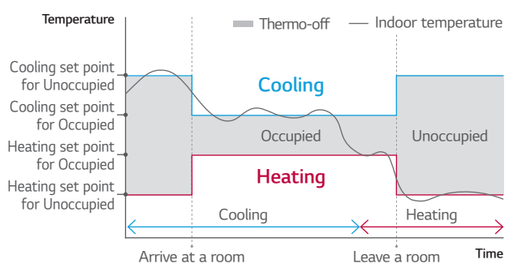
Auto changeover for convenience

- Indoor unit will keep the indoor temperature within the range of dual set point by automatically switching the unit operation.

Setback for energy savings and comfort

- In the user's absence, the room temperature will remain between two set points rather than switching off, providing quick comfort when the mode is changed to 'occupied.'

※ This function is for Heat Recovery system or Single heat pump. Otherwise it is not guaranteed.

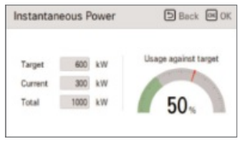


Energy Savings

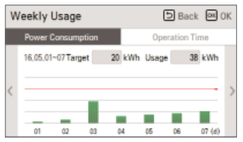
Energy Management

- Energy Monitoring & Alarm
Real-time and day / week / month / year energy usage monitoring is possible. In addition, it can set target for energy usage and operation time, and alarm will be displayed when exceeded.

※ PDI (PQNUD1S40 / PPWRDB000) is required.



Instantaneous Power Check



Energy Usage Target Setting

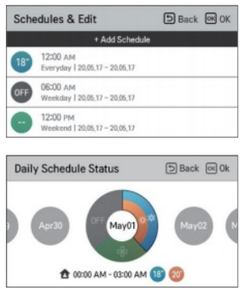
Time Limit Control

- Monitoring the unit's continuous running time.
And prevent the wasting energy by turning the unit off automatically.

Schedule Function

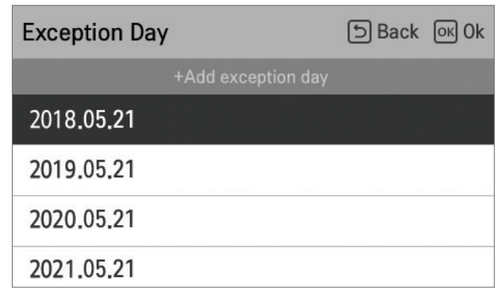
Simple Schedule Status

Standard III remote controller provides clock type daily schedule.



Exception Day Settings

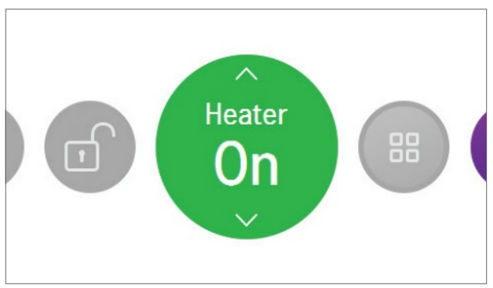
Possible to set up exceptional date on regular schedule.



External Device On / Off

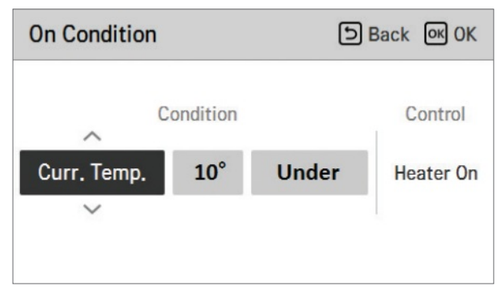
External Equipment Control

User can control the external equipment through additional contact signal output.



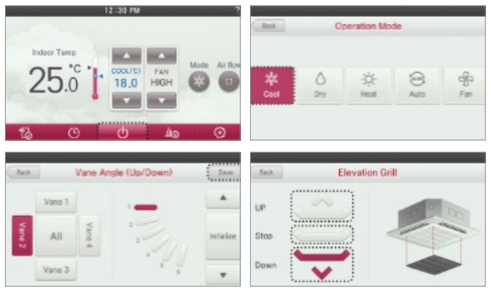
Customized Interlocking Control

User can create a automatic control pattern. For example, turning the temperature drops below or rises above a certain temperature.



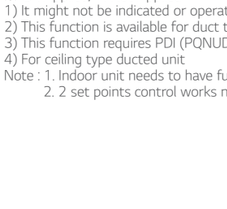
Premium Wired Remote Controller

Full Touch Screen



PREMTA000 [1] / PREMTA000A [2] / PREMTA000B [3]

5 inch full touch screen with a premium design.



* Supported languages list
1) English / Portuguese / Spanish / French
2) English / Italian / Russian / Chinese
3) English / German / Polish / Czech

MODEL NAME	PREMTA000 / PREMTA000A / PREMTA000B
On / Off	○
Fan Speed Control	○
Temperature Setting	○
Mode	Cool / Heat / Dry / Fan / Auto
Additional Mode Setting [1]	Energy-Saving Cooling / Robot Cleaning / Heater / Humidification
Auto Swing	○
Vane Control (Louver Direction)	○
E.S.P (External Static Pressure) [2]	○
Reservation	Simple / Sleep / On / Off / Weekly / Yearly / Holiday
Time Display	○
Electric Failure Compensation	○
Child Lock	○
Filter Sign	○ (Remain time + Alarm)
Energy Management	Check Energy Usage [3] / Check Operation Time / Target Setting (Energy, Operation Time) / Time Limit Operation / Alarm Popup / Initialization Usage Data
Operation Status LED	○
Indoor Temperature Display	○
Wireless Remote Controller Receiver	○ [4]
Display	5 inch TFT color LCD (480 x 272)
Size (W x H x D, mm)	137 x 121 x 16.5
Black Light for Screen Saver	○
Home Leave	2 Set Points Control

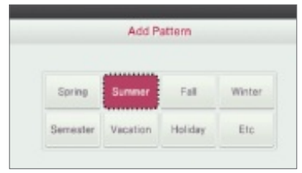
※ ○ : Applied, - : Not Applied
1) It might not be indicated or operated at the partial product.
2) This function is available for duct type.
3) This function requires PDI (PQNUD1S40 / PPWRDB000) to be installed.
4) For ceiling type ducted unit
Note : 1. Indoor unit needs to have functions requested by the controller
2. 2 set points control works normally with MULT V Heat Recovery and Single Split Heat Pump. But in case of MULTI V Heat Pump, It may not work properly

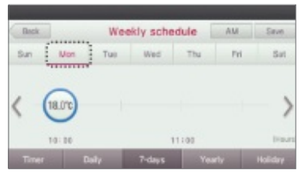
Easy Energy Management

- Check the operation hour or electricity usage
- Comparison of usage by year
- Set the target usage and time

Easy Scheduling

- Daily, Weekly, Yearly schedule function
- Schedule pattern setting
- Schedule copy

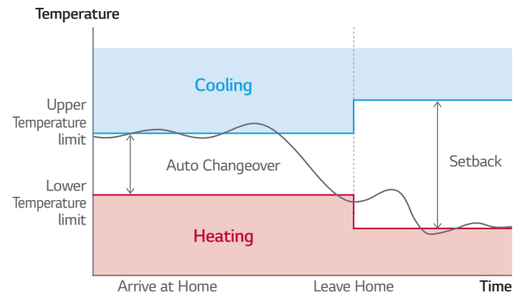




Dual Set Point

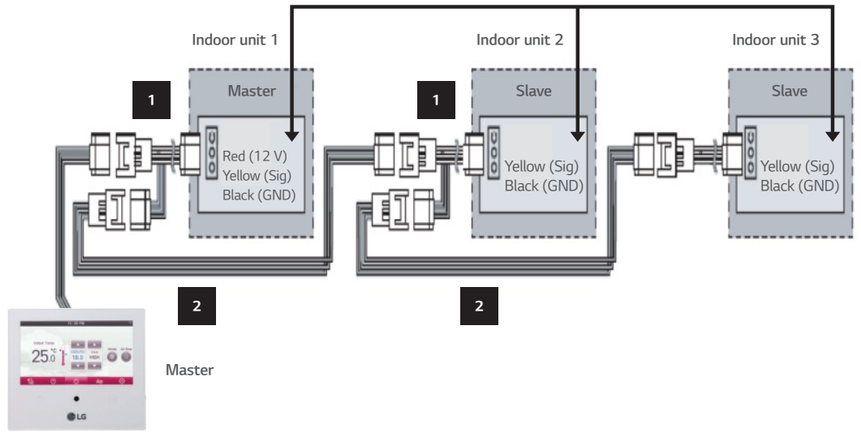
- Auto changeover switching the operation mode automatically
- Setback (Leave Home) Changing status by occupied / unoccupied

* This function is only for Heat Recovery system and Single heat pump.



Group Control

- Max. 16 Indoor units by one remote controller



Standard II Wired Remote Controller

PREMTB001 / PREMTBB01

Providing easy control of one or a group of indoor units with various functions.


Features & Benefits

- Wired remote controller that can implement various functions such as scheduling or filter alert.

MODEL NAME	PREMTB001 / PREMTBB01
On / Off	○
Fan Speed Control	○
Temperature Setting	○
Mode	Cool / Heat / Dry / Fan / Auto
Additional Mode Setting	Energy-Saving Cooling / Robot Cleaning / Heater / Humidification
Auto Swing	○
Vane Control (Louver Direction)	○
E.S.P (External Static Pressure)	○
Reservation	Simple / Sleep / On / Off / Weekly / Holiday
Time Display	○
Electric Failure Compensation	○
Child Lock	○
Filter Sign	○ (Remain time + Alarm)
Operation Status LED	○
Indoor Temperature Display	○
Wireless Remote Controller Receiver	○ 1)
Size (W x H x D, mm)	120 x 121 x 16
Black Light	○
Power Consumption Monitoring	○ 2)
Check Model Information	○

※ ○ : Applied, - : Not Applied
1) For ceiling type ducted unit
2) This function requires PDI (PQNUD1S40 / PPWRDB000) to be installed.
Note : Indoor unit needs to have functions requested by the controller.

Simple Wired Remote Controller

PQRCVCL0QW (White) / PQRCVCL0Q (Black) / PQRCHCA0QW (White) / PQRCHCA0Q (Black)

A simple way to control office or hotel systems in a compact design.


Features & Benefits

- Small remote control with minimal functionality.

MODEL NAME	PQRCVCL0QW / PQRCVCL0Q	PQRCHCA0QW / PQRCHCA0Q
On / Off	○	○
Fan Speed Control	○	○
Temperature Setting	○	○
Mode	Cool / Heat / Dry / Fan / Auto	-
Auto Swing	○	○
Vane Control (Louver Direction)	○	○
E.S.P (External Static Pressure)	○	○
Electric Failure Compensation	○	○
Child Lock	○	○
Indoor Temperature Display	○	○
Wireless Remote Controller Receiver	○ 1)	○ 1)
Size (W x H x D, mm)	70 x 121 x 16	70 x 121 x 16
Black Light	○	○

※ ○ : Applied, - : Not Applied
1) For ceiling type ducted unit
Note : Indoor unit needs to have functions requested by the controller.

Wireless Remote Controller

PWLSSB21H (Heat Pump), PWLSSB21C (Cooling Only)

Handy and portable wireless type.

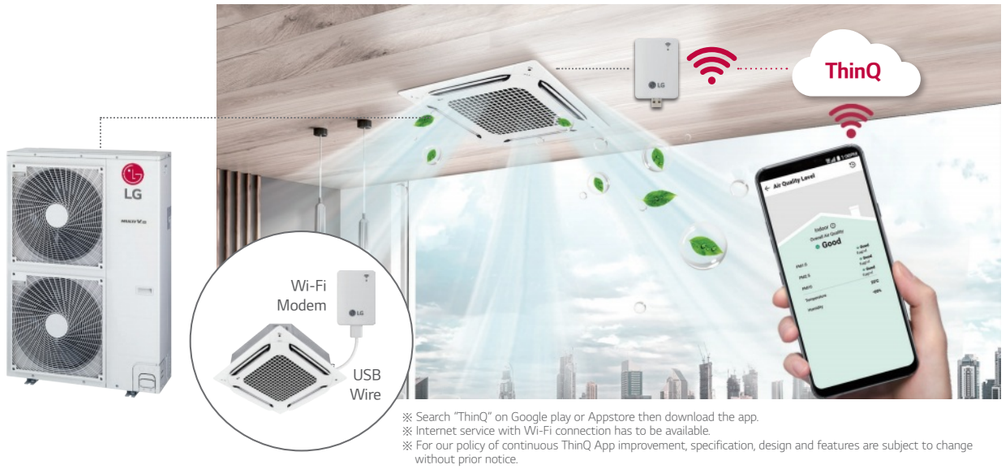
Features & Benefits

- Easy to use while moving.
- Main functions are available.

MODEL NAME	PWLSSB21H (H/P), PWLSSB21C (C/O)
On / Off	○
Fan Speed Control	○ 1)
Temperature Setting	○
Mode	Cool / Heat / Dry / Fan / Auto
Additional Mode Setting	Air Purification / Energy-Saving Cooling / Robot Cleaning / Auto Dry
Auto Swing	○
Vane Control (Louver Direction)	○
Reservation	Sleep / On / Off
Time Display	○
Indoor Temperature Display	○
Sleep Mode Auto	Max. 7 hours
Size (W x H x D, mm)	51 x 153 x 26

※ ○ : Applied, - : Not Applied
1) For some products, you can use “slow” fan speed function.

Wi-Fi Modem



※ Search "ThinQ" on Google play or Appstore then download the app.
※ Internet service with Wi-Fi connection has to be available.
※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

PWFMDD200

Control conditioners by using internet devices as Android or iOS smartphones.

Features & Benefits

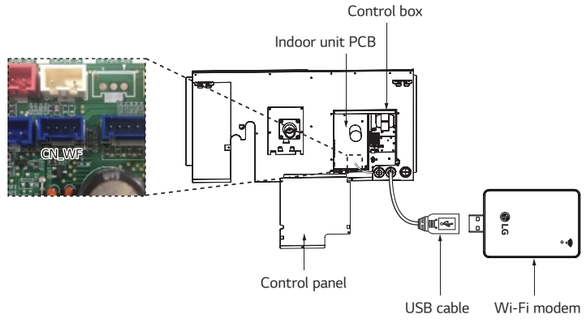
• User can enjoy anytime, anywhere access with Wi-Fi equipped device through LG's ThinQ mobile app.
• This allows the user to access the unit remotely to switch unit on or off before or after leaving the vicinity.
• LG's exclusive Home Appliances control app (ThinQ) is available.
• Simple operation for various functions.

- On / Off
- Operation Mode
- Current / Set Temperature
- Fan Speed
- Vane Control [1)]
- Reservation (Sleep, Weekly On / Off)
- Energy Monitoring [2)]
- Filter Management
- Error Check
- Air Purify [3)]

MODEL NAME	PWFMDD200
Size (W x H x D, mm)	48 x 68 x 14
Interfaceable Products	System Air Conditioner [3)]
Connection Type	Indoor unit 1:1
Communication Frequency	2.4 GHz
Wireless Standards	IEEE 802.11 b / g / n
Mobile Application	LG ThinQ (Android 7.0 ↑, iOS 14.0 ↑)
Optional Extension Cable	PWYREW000 (10 m extension)

1) Vane Control may not be possible according to the type of Indoor unit.
2) LG Centralized controller and PDI installation is required for this function.
3) For the compatibility with Indoor unit, please contact regional LG office.
Note :
1. Functionality may be different according to each IDU model.
2. User interface of application shall be revised for its design and contents improvement.
3. Application is optimized for smartphone use, so it may not be well functioning with tablet devices.

Installation Scene



※ The Wi-Fi communication distance and reliability may be vary due to the type of Wi-Fi router and the installation environment, Please refer to the manual.

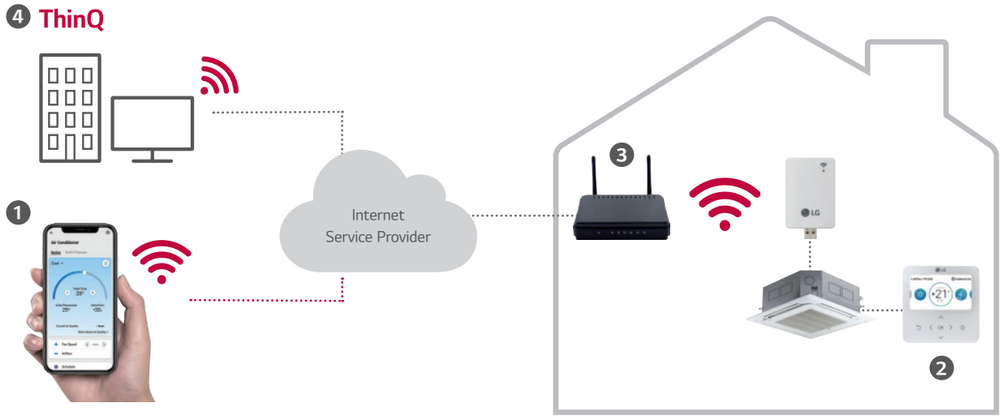
ThinQ Connectivity

Connection (Pairing) Order

❶ Make LG account on ThinQ (Application) and login.
❷ Select the installed product and set AP (Access Point) mode by wired / wireless remote controller.
❸ Select the Wi-Fi network that will be used and insert the passwords.
❹ Product registration progress is completed.

* 5 GHz networks may not be supported.

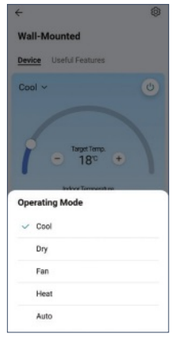
❹ ThinQ



ThinQ Mobile App

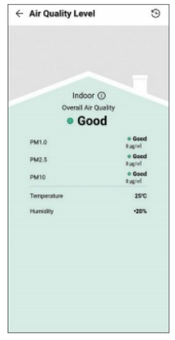
Simple operation for various functions

On, Off, Current Temp., Mode, Set Temp.



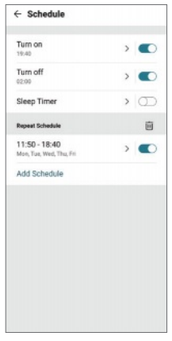
Vane Control

Air Purify

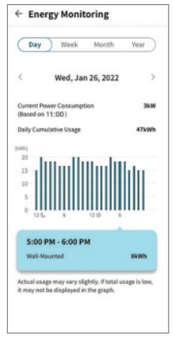


Easy Management

Reservation

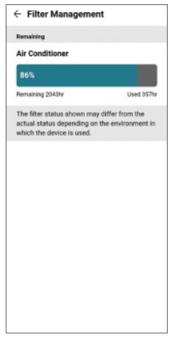


Energy Monitoring



Smart Diagnosis

Filter Management



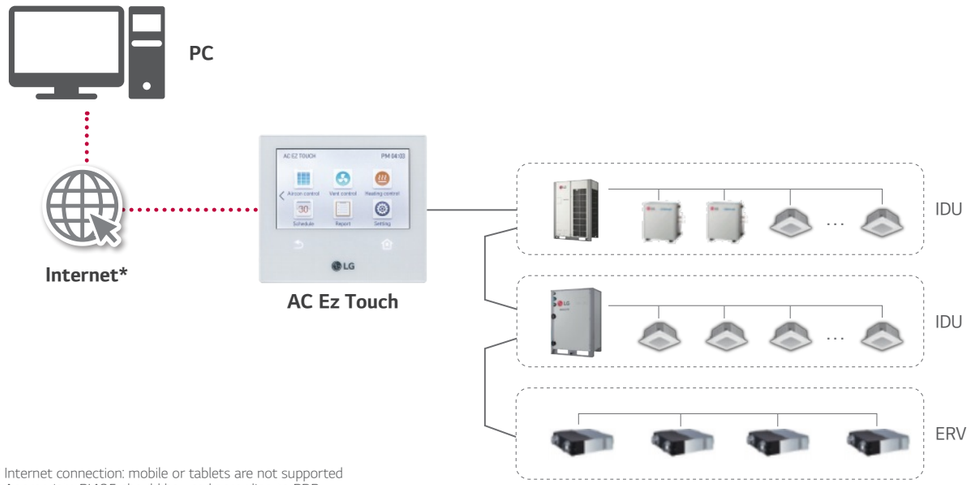
※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

Feature Functions

Controller Name			AC Ez	AC Ez Touch	AC Smart 5 [6]	ACP 5 [6]	AC Manager 5 [7]	Cloud Gateway
Model Name								
			PQCSZ250S0	PACEZA000	PACS5A000	PACP5A000	PACM5A000	PWFMDB200
Product	DO		-	-	2	4	-	-
	DI		-	1	2	10	-	-
	Max. Connectable No.	IDUs	32	64	128	256	8,192	16
		ERV	32	64	128	256	8,192	16
		A / C + ERV	32	64	128	256	8,192	16
		AHU	-	-	16	16	16 x 32	-
		Chiller	-	-	5	10	10 x 32	-
		Commercial Air Purifier [1]	-	-	64	128	128 x 32	-
Compatibility	Air Conditioner		○ [3]	○	○	○	○	○
	Ventilation (ERV / ERV DX)		○ [4]	○	○	○	○	○
	Heating		-	○	○	○	○	○ [8]
	AHU		-	-	○	○	○	-
	Chiller		-	-	○ [5]	○ [5]	○	-
	Commercial Air Purifier [1]		-	-	○ [5]	○ [5]	○	-
	ACS IO		-	-	○	○	○	-
Additional Function	Add Drawing		-	-	○ [5]	○ [5]	○	-
	Group Management		-	○	○ [5]	○ [5]	○	-
	Auto Changer Over		-	○	○ [5]	○ [5]	○	-
	Set Back		-	○	○ [5]	○ [5]	○	-
	Dual Setpoint		-	○	○	○	○	-
	Change Alarm		-	Filter	Filter	Filter	Filter	-
	Indoor Unit Lock		○ [2]	○	○	○	-	-
	Cycle Monitoring		-	-	○	○	○	○
	Air Purify		-	○ [5]	○ [5]	○ [5]	○	-
Schedule			○	○	○ [5]	○ [5]	○	○ [9]
Auto Control	Peak Control	Energy & Priority Control	-	○	○	○	○	-
		Outdoor Unit Capacity Control	-	-	○ [5]	○ [5]	○	-
	Time Limit Control		-	-	○ [5]	○ [5]	○	-
	Interlocking		-	-	○ [5]	○ [5]	○	-
Energy Navigation			-	-	○ [5]	○ [5]	○	-
Energy Report	Power		-	○	○	○	○	○ [8]
	Gas		-	-	○	○	○	-
	Run Time		-	-	○ [5]	○ [5]	○	-
	Save to PC / USB (Excel)		-	-	PC / USB [5]	PC	PC	-
Trend Reporting			-	-	○ [5]	○ [5]	○	-
History	Report (Control / Error)		-	Error	○ [5]	○ [5]	○	○
	Send Email		-	-	○ [5]	○ [5]	○	-
	Save to PC / USB (Excel)		-	-	PC / USB	PC	PC	-
etc	Summer Time		-	○	○ [5]	○ [5]	○	-
	Outdoor Unit Oil-Return Operation		-	-	○ [5]	○ [5]	-	-
	User Authority		-	Password	○ [5]	○ [5]	○	-
	PC Access		-	○	○ [5]	○ [5]	○	-

※ ○ : Applied, - : Not Applied
1) The Commercial Air purifier must additionally install PI485 (PHNFP14A0).
2) Hard Lock
3) Except for some feature (Individual lock, Limit temp., etc.)
4) Except for some feature (User mode, additional function, etc.)
5) This function is not applied for BMS points.
6) Without additional device, ACP 5 and AC Smart 5 provide BACnet IP and Modbus TCP interface for BMS.
7) ACP 5 or AC Smart 5 is required.
8) Only for Therma V
9) It will be released until 1Q in 2023.

AC Ez Touch



* Internet connection: mobile or tablets are not supported
* Appropriate PI485 should be used according to PDB.

PACEZA000

Smart management with 5 inch touch screen for small site.

MODEL NAME	PACEZA000
Size (W x H x D, mm)	137 x 121 x 25
Interfaceable Products	MULTI V / ERV / ERV DX / Hydro Kit / THERMA V
Maximum Number of Units	64
Individual / Group Control	On & Off / Mode / Temperature / Fan Speed
Individual Controller Lock	Temperature / Mode / Fan speed / All
Error Check	○
Slave Mode (Interlocking with Higher Level Controller)	○
Schedule	Weekly / Monthly / Yearly / Exception day
Remote Access	By client S/W (Neither Android nor IOS are supported)
Emergency Stop & Alarm Display	○
Power Consumption Monitoring (with PDI)	○
Auto Changeover / Setback	○
Temperature Limit	○
Operation History	Error Record
ODU Low Noise 1)	○
Daylight Saving Time	○
External IO Port	DI 1
IPv6 Support	○
Air Purify Control	○
Air Quality Level	○

※ ○ : Applied, - : Not Applied
1) It is only available in some products.

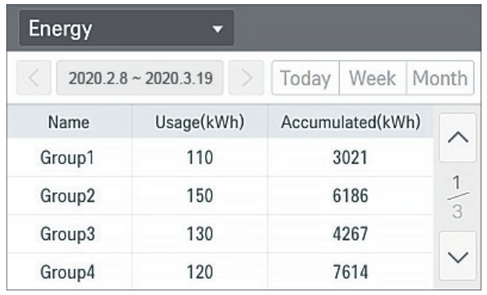
PC Access

Users can control each space efficiently through PC access.

* IPv6 supported
- Open port 80 & 9300
- Fix public IP is mandatory. Router configuration of NAT is required.

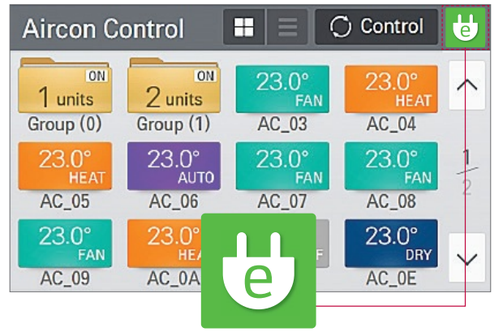
Energy Statistics (with PDI)

Statistics of operational status (Time, Power consumption) are provided to help make intelligent system operation decisions.

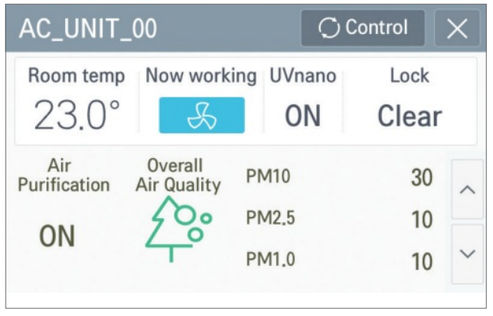


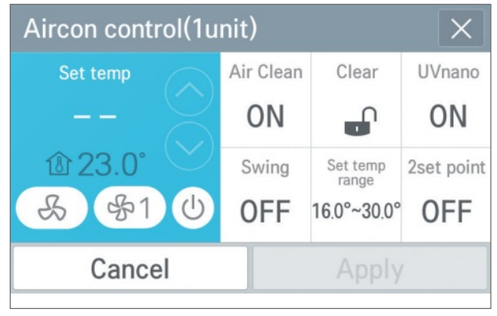
Energy Mode

When using energy mode function, operation Modes from cooling to fan or heating to off mode by force.
(It is available only for operating indoor unit)



Air Purify Control & Monitoring

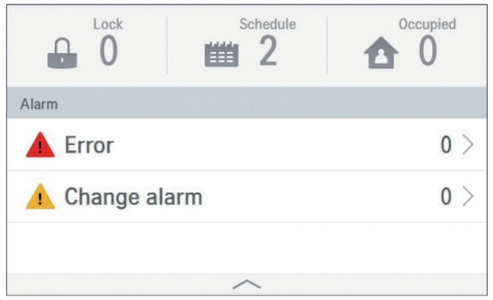




AC Ez Touch

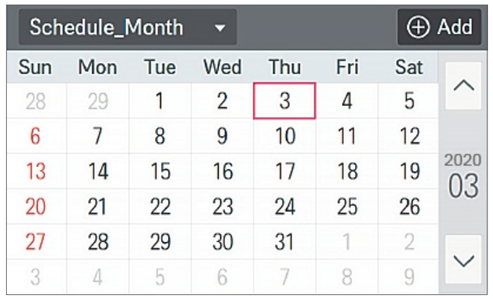
Alarm Indicator

It shows errors and alarm information. Users can respond immediately according to alarm indicator therefore HVAC system is monitored consistently.



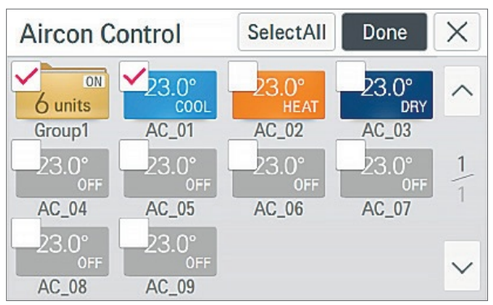
Schedule

Schedule control allows user to set the events in advance to maximize system performance. Also, by blocking unnecessary operation, it prevents a waste of energy.

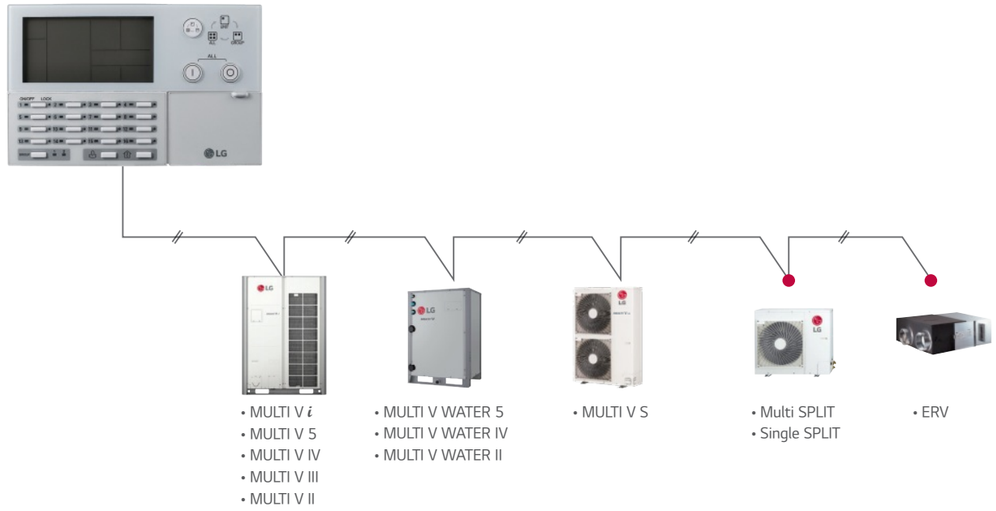


Group / Individual Control

User can control each indoor unit individually or by group by simply clicking each unit on control screen.



AC Ez



- Appropriate PI485 should be used according to PDB.

PQCSZ250S0

Easy to manage up to 32 indoor units, including ERV with simple interface.

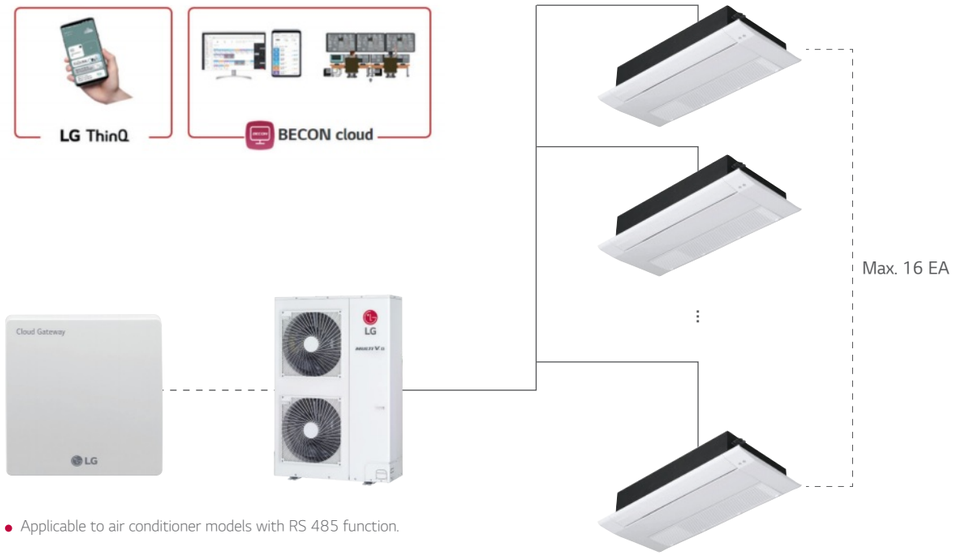
Features & Benefits

- 32 indoor units control
- Weekly Schedule
- Individual / Group Control

MODEL NAME	PQCSZ250S0
Size (W x H x D, mm)	190 x 120 x 20
Interfaceable Products	MULTI V / ERV / ERV DX
Display	LED / LCD Display
Power	DC 12 V, 1 A
Maximum Number of Units	32
Individual / Group Control	On & Off / Mode / Temperature / Fan Speed
Individual Controller Lock	All
Error Check	○
Slave Mode (Interlocking with Higher Level Controller)	○
Schedule	Weekly

※ ○ : Applied, - : Not Applied

Cloud Gateway



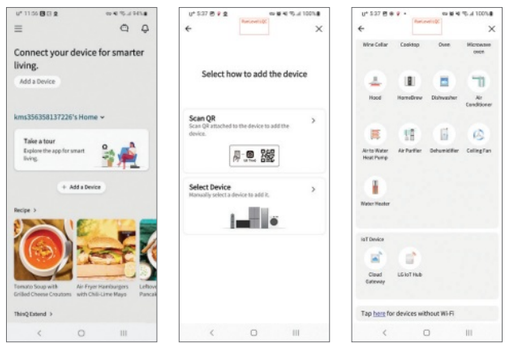
- Applicable to air conditioner models with RS 485 function.

PWFMDB200

Cloud Gateway can remotely control up to 16 indoor units through LG ThinQ or BECON Could.

NEW

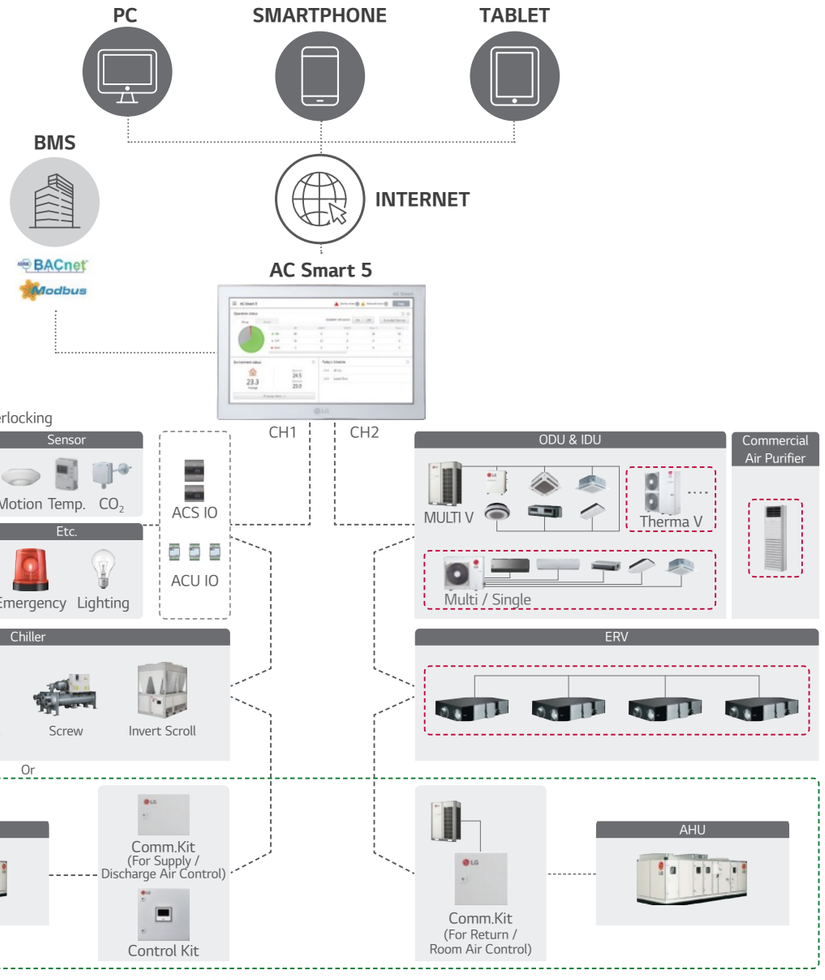
Cloud Gateway



MODEL NAME	PWFMDB200
Size (W x H x D, mm)	120 x 120 x 29
Interfaceable Products	System Air Conditioner
Maximum Number of Units	16
Ethernet	10 / 100 Mbps
Wireless Standards	2.4 GHz, IEEE 802.11b/g/n
Mobile Application	LG ThinQ (Android 7.0 ↑, iOS 14.0 ↑)

Function		ThinQ	BECON Cloud [1]
Max. number of unit		16	
Remote Control	Operation Start / Stop	○	○
	Operation Mode	○	○
	Target Temperature	○	○
	Fan Speed	○	○
	Swing	○	○
	Air Purify	○	○
Interlocking Product	MULTI V	○ [2]	○
	GHP	○	○
	MULTI	○	○
	Single	○	○
	ERV	X	○
	Heating	X	○ [3]
Etc	Schedule	○	△ [4]
	Electricity Monitoring	X	○ [3]
	History	X	○
Maintenance	Smart Diagnosis	○	X
	Cycle Monitoring	X	○

1) Depending on the region, BECON Cloud may not be available. Please contact to BECON Cloud administrator for checking availability. (BECONcloud-biz@lge.com)
2) Hydrokits are excluded
3) Only for Therma V
4) It will be released until 1Q in 2023.



- According to CH1 setting, normal ODU can be connected to CH1. (Flexible wiring design with 2 ports)
- Appropriate PI485 should be used according to PDB (Product Data Book).
- For details, refer to the product PDB or manual.

AC Smart 5

PACS5A000

10-inch touch screen with HTML5 GUI (Graphic User Interface) for easy control.

Max. 128 IDU control

Schedule

Map view (Visual navigation)

Energy monitoring

Air Purify

Multi level grouping

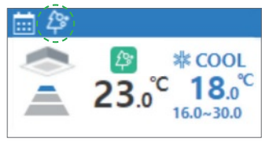
MODEL NAME	PACS5A000
Size (W x H x D, mm)	253.2 x 167.7 x 28.9
Interfaceable Products	MULTI V / ERV / ERV DX / Hydro Kit / THERMA V / AHU Kit / LG Chiller / Commercial Air Purifier
Maximum Number of Units	128
Individual / Group Control	On & Off / Mode / Temperature / Fan Speed
Individual Controller Lock	Temperature / Mode / Fan Speed / All
Advanced Function Setting and Display [1]	Comfort Cooling / ODU Low Noise / ODU Defrost Mode / Comfort Level Display / CO_2 Level Display (for ERV / ERV DX) / Night Time Free Cooling (for ERV / ERV DX)
Error Check	○
Slave Mode (Interlocking with Higher Level Controller)	○
Schedule	Weekly / Monthly / Yearly / Exception Day
Web Access	○
Emergency Stop & Alarm Display	○
Power Consumption Monitoring (with PDI)	○
Auto Changeover / Setback	○
Temperature Limit	○
Operation Time Limit	○
Visual Navigation	○
Operation Trend	○
Air Purify Control	○
Air Quality Level	○
Interlock Control	○
Virtual Group Control	○
ODU Capacity Control	○
Energy Navigation (with PDI)	○
Daylight Saving Time	○
External IO Port	DI 2 / DO 2
BMS Integration [2]	BACnet IP / Modbus TCP
IPv6 Support	○

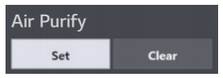
※ ○ : Applied, - : Not Applied
1) It is only available in some products.
2) For the detail point list, please refer to the installation manual.

AC Smart 5

Air Purify Total Solution

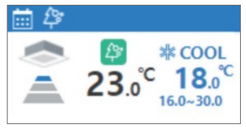
Air Purify Control



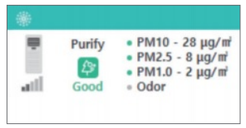


- Easy setting of Air Purify function (Set / Clear)

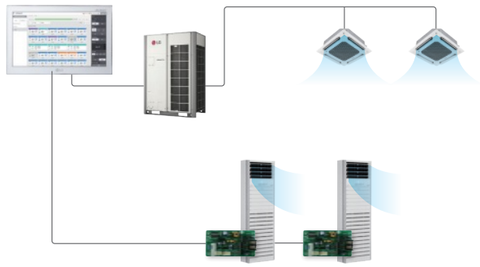
Air Quality Level Monitoring



System Air Conditioner



Commercial Air Purifier



* The Commercial Air purifier must additionally install PI485(PHNFP14A0).

Advanced Network Accessibility

AC Smart 5 reflects the state of the art of network technology trend. IPv6 (Internet Protocol version 6), which is the most recent version of the Internet Protocol provides accessibility to the IPv6 compatible network environment. In addition, HTML5 allows you to easily control LG HVAC system on a variety of platforms (PC, Mobile, Tablet), at any time and from any location, not just on the touch screen.

HTML5 web design

Visualized Control

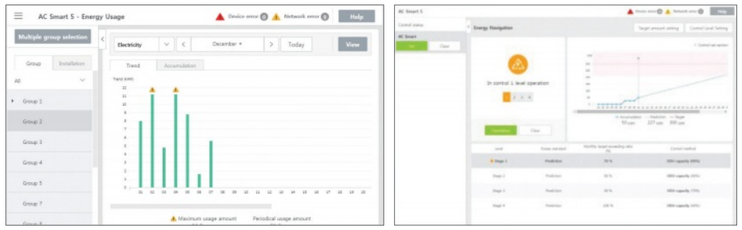
Visual navigation enables controlling and monitoring the unit on floor, plan view for the intuitive management.

Multi Level Group Composition

User can make frequent and multi level group to control and monitor the device easily.

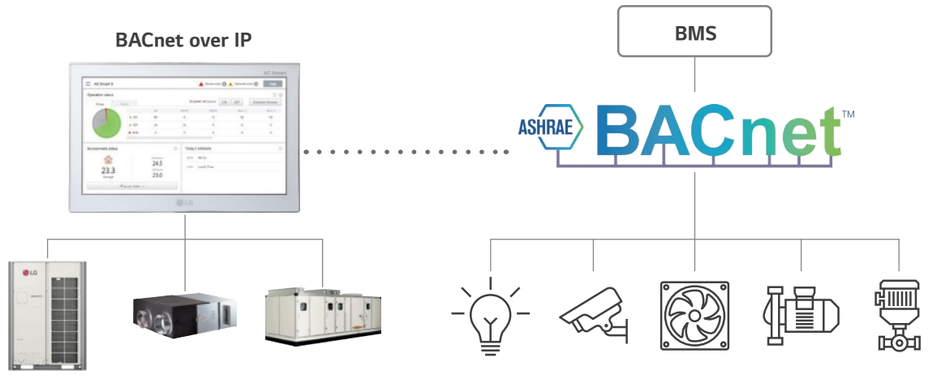
Energy Management

The energy navigation function allows the air conditioner's operational energy usage to be manged monthly, weekly and yearly. By analyzing present energy consumption and comparing with the plan, overuse of system operational costs can be prevented.



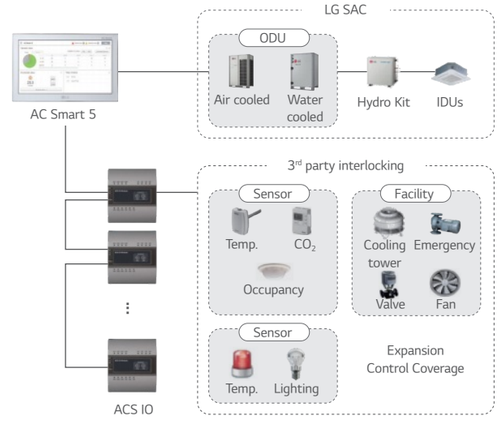
Building Management System (BMS) Integration

Without additional device, AC Smart 5 provides BACnet IP & Modbus TCP interface for BMS integration as well as its own management function.

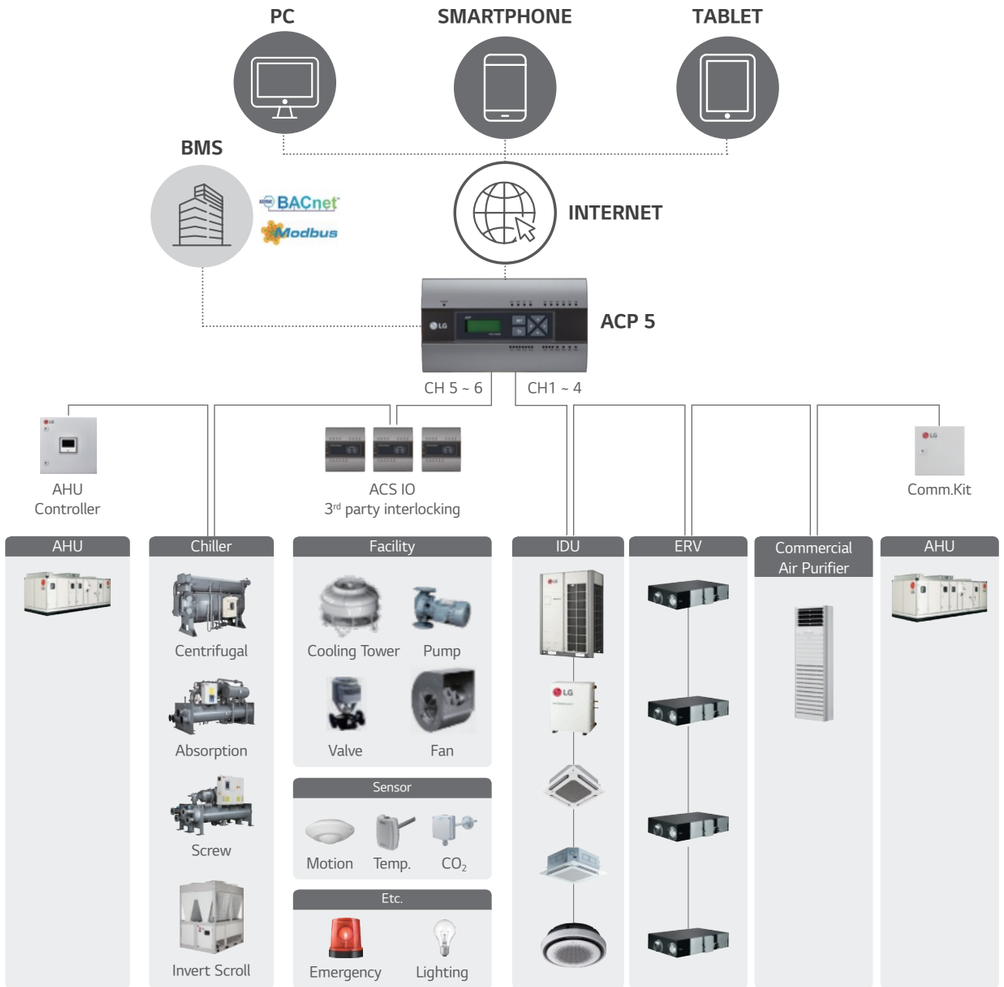


Interlocking with 3rd Party Equipment

AC Smart 5 can make operation scenario with 3rd party equipment by ACS IO Module and ACU IO Module. Control coverage is expanded.
(Air conditioner only → Sensors, Fans, Pumps, Switches···)



ACP 5



PACP5A000

Advanced solution for BMS integration up to 256 units via BACnet and Modbus protocol as well as its own smart management function with web server interface.

MODEL NAME	PACP5A000
Size (W x H x D, mm)	270 x 155 x 65
Interfaceable Products	MULTI V / ERV / ERV DX / Hydro Kit / THERMA V / AHU Kit / LG Chiller / Commercial Air Purifier
Maximum number of units	256
Individual / Group Control	On & Off / Mode / Temperature / Fan speed
Individual Controller Lock	Temperature / Mode / Fan speed / All
Advanced Function Setting and Display [1]	Comfort Cooling / ODU Low Noise / ODU Defrost Mode / Comfort Level Display / CO_2 Level Display (for ERV / ERV DX) / Night Time Free Cooling (for ERV / ERV DX)
Error Check	○
Schedule	Weekly / Monthly / Yearly / Exception Day
Web Access	○
Emergency Stop & Alarm Display	○
Power Consumption Monitoring (with PDI)	○
Auto Changeover / Setback	○
Temperature Limit	○
Operation Time Limit	○
Visual Navigation	○
Operation Trend	○
Air Purify Control	○
Air Quality Level	○
Interlock Control	○
Virtual Group Control	○
ODU Capacity Control	○
Energy Navigation (with PDI)	○
Daylight Saving Time	○
External IO Port	DI 10 / DO 4
BMS Integration [2]	BACnet IP / Modbus TCP
IPv6 Support	○

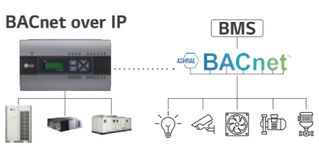
※ ○ : Applied, - : Not Applied
1) It is only available in some products.
2) For the detail point list, please refer to the installation manual.

Advanced Network Accessibility

* Fix Public IP is mandatory.
* Router's Configuration of NAT is mandatory. Open port 80 & 9300.

Energy Navigation

BACnet IP & Modbus TCP

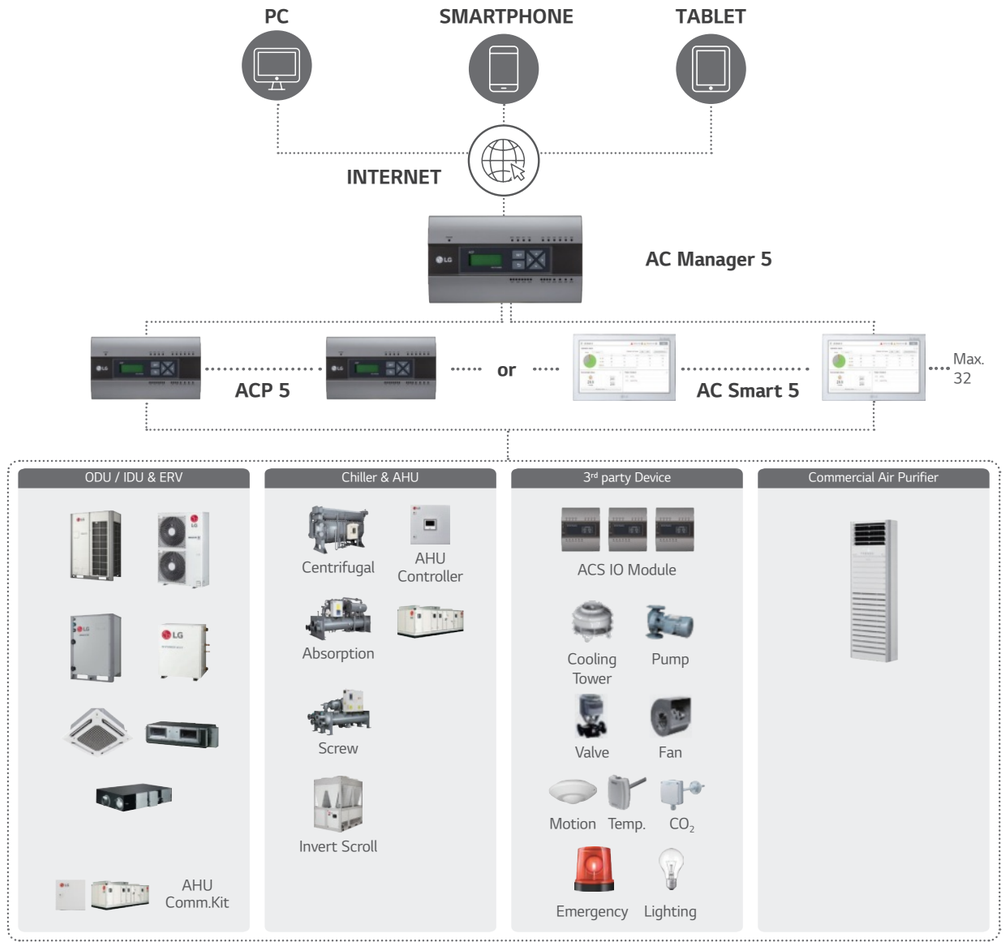


Air Purify Control / Monitoring

Integrated Management

The Commercial Air Purifier can be used with LG central controller to monitor and control.

AC Manager 5



PACM5A000

Multiple ACP and AC Smart integration solution to manage multi sites up to 8,192 units as a single system.

reddot award
User Interface Design

MODEL NAME	PACM5A000
Size (W x H x D, mm)	270 x 155 x 65
Interfaceable Products	MULTI V / ERV / ERV DX / Hydro Kit / THERMA V / AHU Kit / LG Chiller / Commercial Air Purifier
Maximum number of units	8,192 (Supports 32 ACP 5 or AC Smart 5)
Individual / Group Control	On & Off / Mode / Temperature / Fan Speed
Individual Controller Lock	Temperature / Mode / Fan Speed / All
Error Check	○
Schedule	Weekly / Monthly / Yearly / Exception Day
Web Access	○
Emergency Alarm Display	○
Power Consumption Monitoring (with PDI)	○
Auto Changeover / Setback	○
Temperature Limit	○
Operation Time Limit	○
Visual Navigation	○
Operation Trend	○
Air Purify Control	○
Air Quality Level	○
Interlock Control	○
Virtual Group Control	○
ODU Capacity Control	○
Energy Navigation (with PDI)	○

※ ○ : Applied, - : Not Applied
Note : AC Manager 5 required for ACP 5 or AC Smart 5

Up to 8,192 Connections for Indoor Units

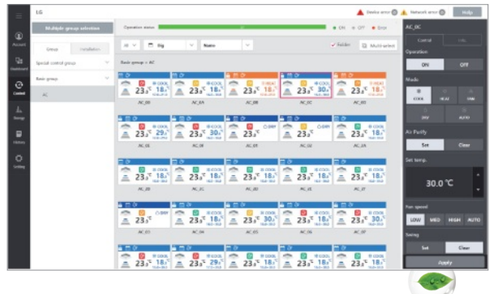
Administrators can easily and conveniently manage a variety of LG HVAC equipment. Also, it is available to manage many buildings or areas at one place via AC Manager 5.

AC Manager 5

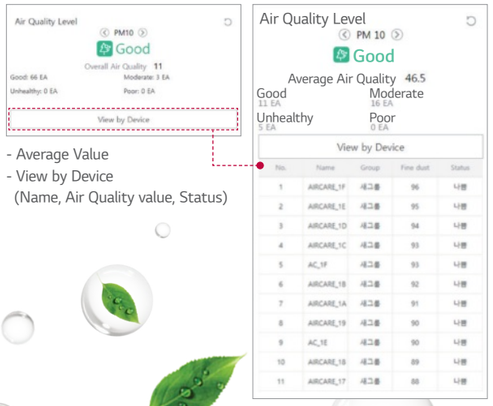
Smart Air Purify Solution

Total management of air purify function creates clean environment everyday.

Air Quality Multi Status view

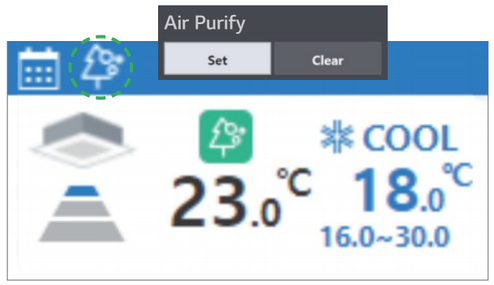


Air Quality Summary Widget



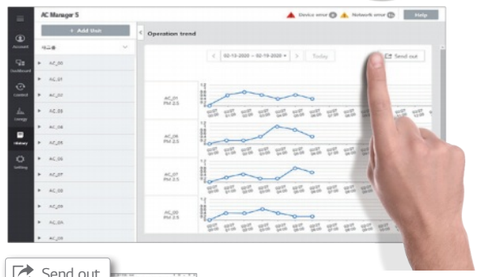
- Average Value
- View by Device
  (Name, Air Quality value, Status)

Air Purify Control



- Easy setting of Air Purify function (Set / Clear)

View Air Quality Trends



- Daily (per hour), period (30 days) shows trends
- Excel output / easy to manage

Advanced Network Accessibility & User Friendly GUI

As an advanced central controller, AC Manager 5 offers flexible interface for each user by assessing the device screen and automatically customizing the layout to provide the most optimized interface.

reddot award
User Interface Design

Energy Navigation & Energy Usage Graph

Energy navigation is the function to set the target usage amount to limit the monthly power consumption and to control so that the total accumulated power consumption does not exceed the target usage amount. It performs total of 7 control levels with the estimated / actual usage amount exceeding ratio compared to the monthly target usage amount. For the control method, there are indoor unit operation ratio, outdoor unit capacity control, and indoor unit operation control.

Compressor Capacity Control | IDU Operation Ratio Control | IDU Operation Level

Peak Control

This function can reduce electricity use. There are two kinds of control logic. Energy saving effect by indoor unit operation rate control. Load management effect by outdoor unit capacity control.

Operation ratio (IDUs) Control

Indoor unit Priority Control

gradually stop depending on importance of room.

Robby < Office < VIP room

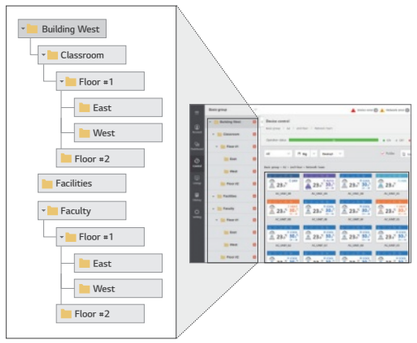
ODU Capacity Control

9 Step Operation Rate (%)
[0, 40, 45, 50, 60, 70, 80, 90, 100]

Compressor Hz Control

Multi Level Group Composition

User can make frequent and multi level group to control and monitor the device easily.



MODBUS RTU Gateway

PMBUSB00A

Providing Modbus RTU connection between LG Air conditioners and BMS.

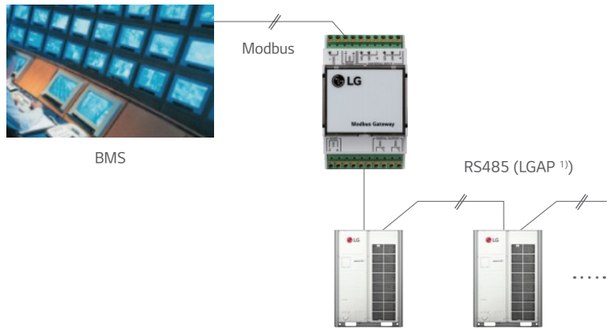
Features & Benefits

• Function
- Modbus RTU communication with Modbus master controller
- Modbus RTU slave (RS485) / 9,600 bps
- Applicable for MULTI V *i*, MULTI V 5, ERV, Heating
- Size (W x H x D, mm) : 53.6 x 89.7 x 60.7
- Max. 16 IDUs with single module / Max. 64 IDUs with 4 modules
- Power : DC 12 V (250 mA)
- No slave allowed in LGAP

Installation Scene

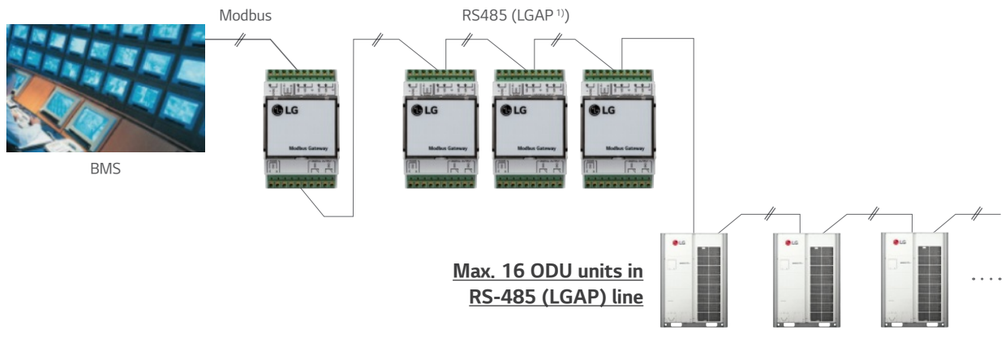
Single Module

Max. 16 indoor units with a single module



Multiple Module

Max. 64 indoor units with 4 modules in one Modbus communication line



1) LGAP is LG Protocol.
Max. 16 ODU units in RS-485

Modbus Gateway Memory Map

Baud Rate : 9,600 bps, Stop Bit : 1 stop bit, Parity : None Parity, Byte size : 8 bits

Coil Register (0 x 01)

NO.	DATA BIT			FUNCTION	REGISTER
	AIR CONDITIONER	ERV / DX ERV	HYDRO KIT & THERMA V		
1	Operate (On / Off)	Operate (On / Off)	Operate (On / Off)	0 : Stop / 1 : Run	Register = N X 16 + ① (N = Indoor Unit Central Address)
2	Auto Swing	Aircon Operate (On / Off)	Hot Water Mode (On / Off)	0 : Disable / 1 : Enable	
3	Filter Alarm Release	Filter Alarm Release 1)	Reserved	0 : Normal / 1 : Alarm Release	
4	Lock Remote Controller	Lock Remote Controller	Lock Remote Controller	0 : UnLock / 1 : Lock	
5	Lock Operate Mode	Lock Operate Mode 1)	Reserved	0 : UnLock / 1 : Lock	
6	Lock Fan Speed	Lock Fan Speed 1)	Reserved	0 : UnLock / 1 : Lock	
7	Lock Target Temp.	Lock Target Temp. 1)	Reserved	0 : UnLock / 1 : Lock	
8	Lock IDU Address	Lock IDU Address 1)	Reserved	0 : UnLock / 1 : Lock	
9	Reserved	Quick Ventilate	Reserved	0 : Disable / 1 : Enable	
10	Reserved	Energy Save	Reserved	0 : Disable / 1 : Enable	

1) : This register value is applied 'DX Ventilator' ONLY.

Discrete Register (0 x 02)

NO.	DATA BIT			FUNCTION	REGISTER
	AIR CONDITIONER	ERV / DX ERV	HYDRO KIT & THERMA V		
1	Connected IDU	Connected IDU	Connected IDU	0 : Disconnected / 1 : Connected	Register = N X 16 + ① (N = Indoor Unit Central Address)
2	Alarm	Alarm	Alarm	0 : Normal / 1 : Alarm	
3	Filter Alarm	Filter Alarm 1)	Hot Water Only 2)	• 0 : Normal / 1 : Alarm Hydro Kit • 0 : Normal / 1 : Hot Water Only	
4	Reserved	Reserved	Target Temp. Select	0 : Air / 1 : Water	
5	Reserved	Reserved	Error Division 2)	0 : CH type error / 1 : BC type error	

1) : This register value is applied 'DX Ventilator' ONLY.
2) : This register value is applied 'Hydro Kit' ONLY.

Holding Register (0 x 03)

NO.	DATA BIT			FUNCTION	REGISTER
	AIR CONDITIONER	ERV / DX ERV	HYDRO KIT & THERMA V		
1	Operate Mode	Operate Mode	Operate Mode	• 0 : Cooling, 1 : Dehumidifying, 2 : Fan, 3 : Auto, 4 : Heating Hydro Kit (Middle Temp. DHW) / AWHP • 0 : Cooling, 3 : Auto, 4 : Heating Hydro Kit (High Temp. DHW)	Register = N X 20 + ① (N = Indoor Unit Central Address)
2	Fan Speed	Fan Speed	Target Temp. DHW 2)	1 : Low, 2 : Mid, 3 : High, 4 : Auto	
3	Target Temp.	Target Temp. 1)	Target Temp. 2)	16.0 ~ 30.0 [°C] x 10	
4	Target Temp. Limit (Upper)	Target Temp. Limit 1) (Upper)	Reserved	16.0 ~ 30.0 [°C] x 10	
5	Target Temp. Limit (Lower)	Target Temp. Limit 1) (Lower)	Reserved	16.0 ~ 30.0 [°C] x 10	
6	Reserved	Vent. Operate Mode	Reserved	0 : HEX, 1 : Auto, 2 : Normal	

1) : This register value is applied 'DX Ventilator' ONLY.
2) : This value range can be between 0 ~ 127 [°C]. And it would be limited by upper & lower value according to the setting of remote controller.

Input Register (0 x 04)

NO.	DATA BIT			FUNCTION	REGISTER
	AIR CONDITIONER	ERV / DX ERV	HYDRO KIT & THERMA V		
1	Error Code	Error Code	Error Code	0 ~ 255 ※ Please refer to the product error table.	Register = N X 20 + ① (N = Indoor Unit Central Address)
2	Room Temp.	RA Temp.	Room Temp.	-99.0 ~ 99.0 [°C] x 10	
3	Pipe In Temp.	OA Temp. 1)	Water Inlet Temp.	-99.0 ~ 99.0 [°C] x 10	
4	Pipe Out Temp.	SA Temp. 1)	Water Outlet Temp.	-99.0 ~ 99.0 [°C] x 10	
5	Reserved	Pipe In Temp. 1)	Sanitary Tank Temp.	-99.0 ~ 99.0 [°C] x 10	
6	Reserved	Pipe Out Temp. 1)	Solar Temp. 2)	-99.0 ~ 99.0 [°C] x 10	

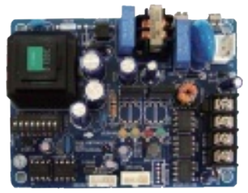
1) : This register value is applied 'DX Ventilator' ONLY.
2) : This register value is applied 'AWHP' ONLY.

PI485

PI485 converts LG Air conditioners protocol to the RS485 protocol for the central controller.

PMNFP14A1

Easy to manage up to 64 indoor units.

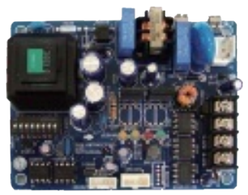


• Power : Single phase AC 220 V 50 / 60 Hz

• 1 for Each Outdoor Unit

- MULTI V MINI (ARUN40GS2A / ARUV40GS2A Only needs PI485)
- Single Split
- Multi Split

PP485A00T



• Power : Single phase AC 220 V 50 / 60 Hz

• 1 for Each Indoor Unit

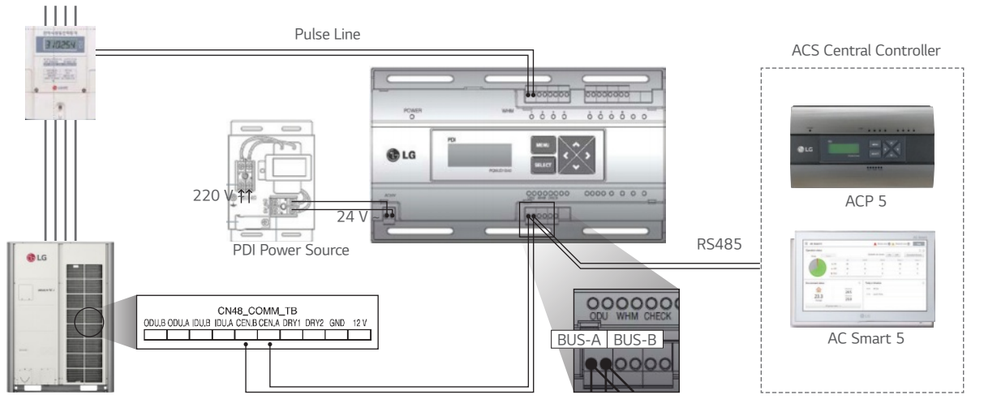
- Therma V

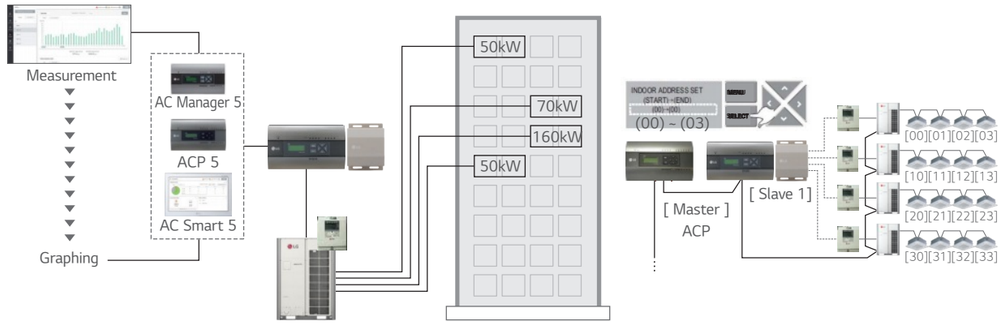
PHNFP14A0

• Power : Connected with the Indoor Units

• 1 for Each Indoor Unit

- Indoor Unit (ERV)





Note :
1. Power cable and type could be different from this scene depending on the Outdoor unit's specification.
2. Measured power consumption could be different between PDI and Watt meter.
3. Applicable Central Controller : ACP 5, AC Smart 5, AC Ez Touch
   (Combination : we recommend to connect separated watt meter for Outdoor units to have correct power distribution value)

PDI (Power Distribution Indicator)

PQNUD1S40 (Premium, 8 ports) / PPWRDB000 (Standard, 2 ports)

PDI shows distributed power consumption of up to 128 indoor units.

Max. 128 IDUs

Energy monitoring

ENABLES EHP / GAS CONSUMPTION

ELECTRICITY / GAS DISTRIBUTION

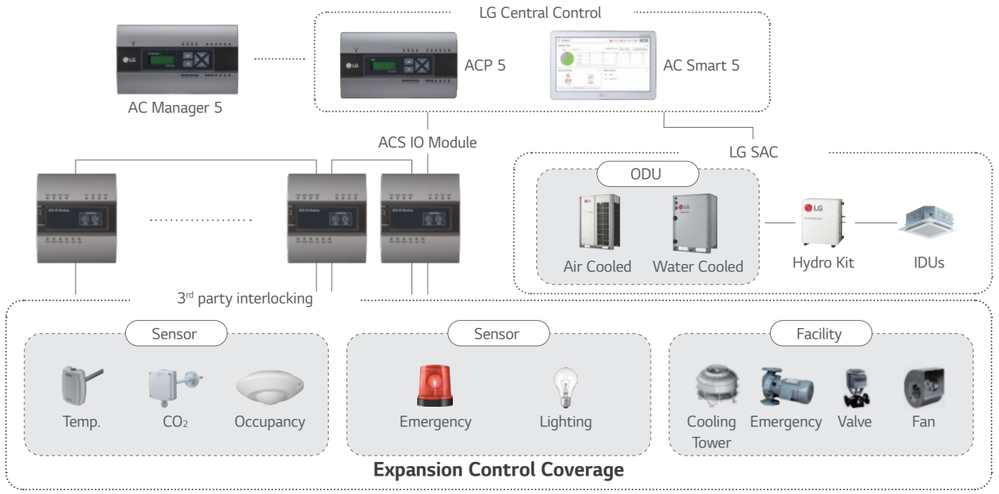
Features & Benefits

- Enables total and indoor power consumption monitoring.
- With LG central control connectivity, energy monitoring, energy savings operations and target usage setting functions are enabled.
- Enables gas consumption and electricity distribution.

MODEL NAME	PQNUD1S40	PPWRDB000
Size (W x H x D, mm)	270 x 155 x 65	
Interfaceable Products	Air conditioner, ERV DX, Hydro Kit, Thermal V	
Maximum Number of Power Meters	EHP : 8 Watt meter GHP : 4 Watt meter / 4 Gas meter	EHP : 2 Watt meter GHP : 1 Watt meter / 1 Gas meter
Maximum Number of Indoor Units	EHP : 128 GHP : 64	
Data Backup When Power Outage	○	
Power Input	PDI : AC 24 V, Transformer : AC 220 V	

※ ○ : Applied, - : Not Applied

ACS IO Module

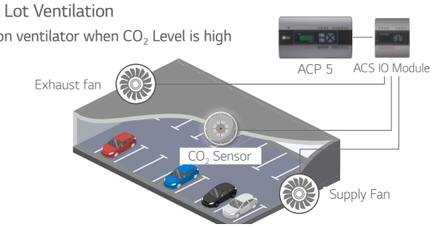


※ DI : Digital Input, DO : Digital Output, UI : Universal Input, AO : Analog Output

Case. 1

Parking Lot Ventilation

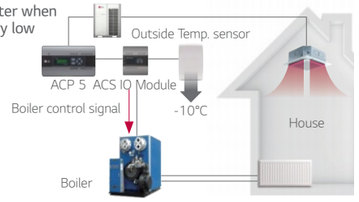
Turning on ventilator when CO_2 Level is high



Case. 1

Auxiliary Heater

Turning on aux. heater when outside temp. is very low



PEXPMB000

This module can be connected with ACP 5 or AC Smart 5 controller if additional I / O points such as DI / DO and AI / AO for 3rd party devices control and monitoring are needed.

Features & Benefits

- Interlocking with 3rd party equipment, LG Central controller can make operation scenario with 3rd party equipment by ACS IO Module.
- Control coverage is expanded. (Air conditioner only → Sensors, Fans, Pumps, Switches ···)
- Power : AC 24 V (60 Hz / 500 mA)

MODEL NAME		PEXPMB000
Linkable Products		PACS5A000, PACP5A000
Communication	RS-485	1 ch
I / O	Digital Input	3 ports
	Digital Output	3 ports
	Universal Input 1)	4 ports
	Analog Output	4 ports

VALUE SPEC		MIN.	MAX.
Analog Input	NTC 10k	0.68 kΩ	177 kΩ
	PT 1000	803 Ω	1,573 Ω
	Ni 1000	871.7 Ω	1,675.2 Ω
	DC (Voltage)	0 V	10 V
	DC (Current)	0 mA	20 mA
Analog Output	-	0 V	10 V
Digital Input	Binary Input (Non Voltage)	-	-
Digital Output	Normal Open	-	30 VAC / 30 VDC, 2 A

※ ○ : Applied, - : Not Applied
1) The type of UI (Universal Input) is selectable among Digital Input and Analog Input.
Note : ACS IO & ACU IO are not a replacement for Direct Digital Controller(DDC) or PLC.

ACU IO Module

PEXPMB300, PEXPMB200, PEXPMB100

This module can be connected with ACP 5 or AC Smart 5 controller if additional I / O points such as UIO / UI / UO for 3rd party devices control and monitoring are needed.

ACU.UIO
PEXPMB300

ACU.UO
PEXPMB200

ACU.UI
PEXPMB100

Features & Benefits

- Interlocking with 3rd party equipment LG Central controller can make operation scenario with 3rd party equipment by ACU IO Module.
- Applicable devices are expanded. (Air conditioner only → Sensors, Fans, Pumps, Switches ···)
- Power : 12 VDC / 250 mA (External Power)

MODULE NAME	PEXPMB300	PEXPMB200	PEXPMB100
Linkable Products	PACS5A000, PACP5A000		
Communication RS-485	1 ch	1 ch	1 ch
Digital Input	-	-	3 ports
Digital Output	2 ports	6 ports	-
Universal Input 1)	4 ports	-	6 ports
Analog Output	2 ports	4 ports	

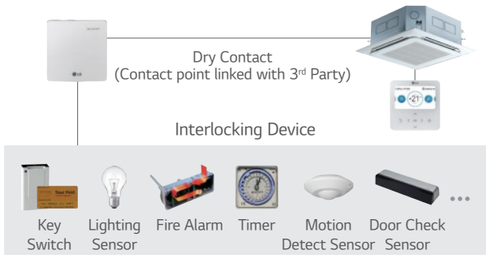
VALUE SPEC		MIN.	MAX.
Analog Input	DC (Voltage)	0 V	10 V
Analog Output	DC (Voltage)	0 V	10 V
Digital Input	Binary Input (Non Voltage)	-	-
Digital Output	Normal Open	-	30 VDC, 1 A

※ ○ : Applied, - : Not Applied
1) The type of UI (Universal Input) is selectable among Digital Input and Analog Input.

DRY CONTACT

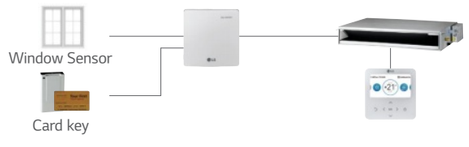
PDRYCB000

Simple Dry Contact (1 input)



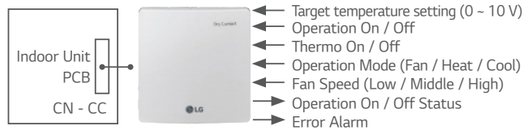
PDRYCB400

Dry Contact for 2 Input

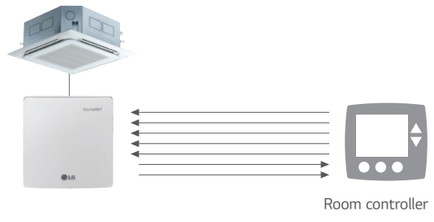


Refrigerant Leakage Detection Alarm

PDRYCB320

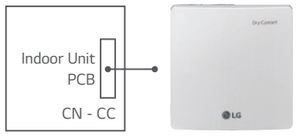


Dry Contact for Thermostat

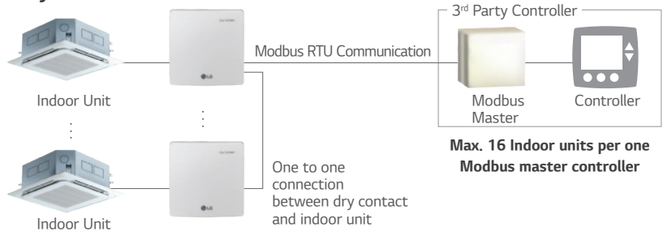


※ Please contact our regional office to have full compatible room controller list.

PDRYCB500 / PDRYCB510*



Dry Contact for Modbus



※ Please contact our regional office to check the compatibility with 3rd party room controller.
*No case for PDRYCB510

Specification

Connection between an indoor unit and external devices to control various functions.

MODEL NAME			PDRYCB000	PDRYCB400	PDRYCB320	PDRYCB500 / PDRYCB510*
						
Case			○	○	○	○
Input Port			1	2	8	-
Universal Input port			-	-	1	-
Comm. Protocol			-	-	-	Modbus RTU
Power			AC 220 V	Connect to Indoor unit PCB (CN_CC) : DC 12 V		
Control	IDU	On / Off	○	○	○	○
		Operation Mode	-	○	○	○
		Set Temp.	-	(Select & Fix)	(Select & Fix)	○
		Fan Speed	-	-	○	○
		Thermo-Off	-	(Select & Fix)	○	-
		Energy Saving	-	(Select & Fix)	-	-
		Lock / Unlock	-	(Select & Fix)	-	-
	Heating	On / Off	○	-	○	-
		DHW On / Off	-	-	○	-
		Thermo-Off	-	-	○	-
		Operation Mode	-	-	○	-
		Silent Mode	-	-	○	-
		Emergency Mode	-	-	○	-
	ERV	On / Off	○	-	-	○
		Operation Mode	-	-	-	○
		Aircon Mode	-	-	-	○
		Additional Mode	-	-	-	○
		Fan Speed	-	-	-	○
Output		Operation Status	○	○	○	○
		Error	○	○	○	○
		Room Temp.	-	-	-	○

※ ○ : Applied, - : Not Applied
*No case for PDRYCB510

Note :
1. Compatibility of PDRYCB320
- Can use with all types of aircon indoor units after 2010.
  (Cassette, Ducted, Convertible, Applied PAC, Wall mounted, Console)
- Can use with new single package AK-W model after 2020. 1Q
  (The previous version Single package is not compatible)
- Heating : 3 series AWHP split and Monobloc models 4 generation Hydro Kit

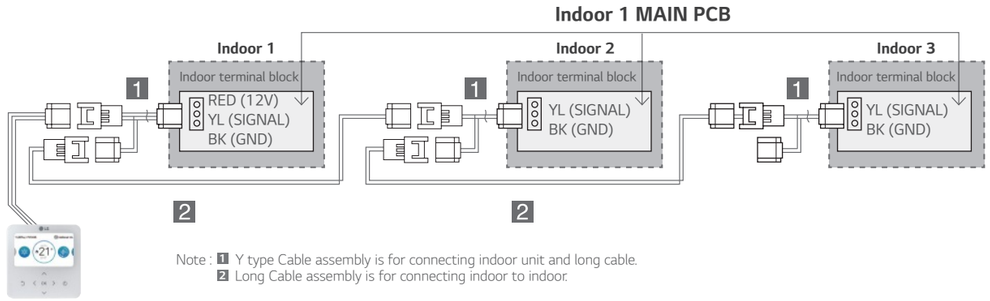
2. Compatibility of PDRYCB400
- Can use with all types of air conditioner indoor units after 2010.
(Cassette, Ducted, Convertible, Applied PAC, Wall mounted, Console)
- Can use with new single package AK-W model after 2020. 1Q
(The previous version Single package is not compatible)
- Can not use with AWHP, Hydro Kit models.
3. (Select & Fix) : This function is preset by rotary switch.

Group Control Wire

PZCWRCG3

MODEL NAME	PZCWRCG3
1 Y-type Cable	0.25 m Length
2 Long Cable	9.6 m Length

Installation Scene

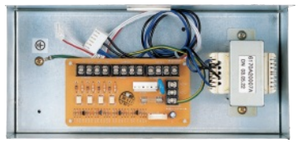


Note : 1 Y type Cable assembly is for connecting indoor unit and long cable.
2 Long Cable assembly is for connecting indoor to indoor.

Zone Controller

ABZCA

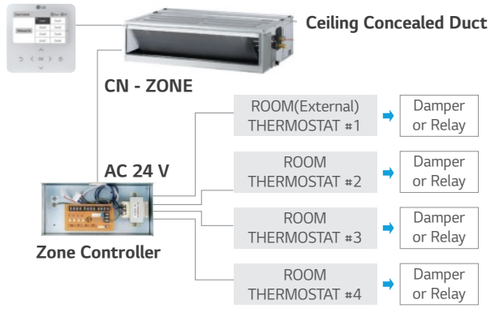
Controls air conditioning in up to 4 zones by external thermostat.



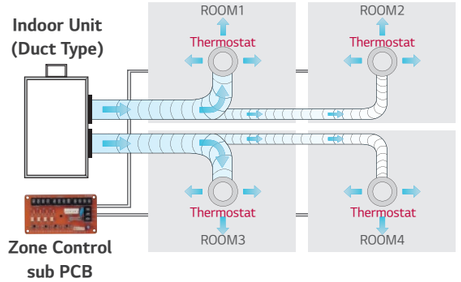
Features & Benefits

- Controls different zones (up to 4 zones) by external thermostat (AC 24 V)
- Maintain proper air volume of each zone
- Auto variation of dampers
- Auto control of fan speed and On / Off operation

Installation Scene



※ THERMOSTAT is a Field Supply.



Remote Temperature Sensor

PQRSTA0

Sensor for detecting the room temperature.

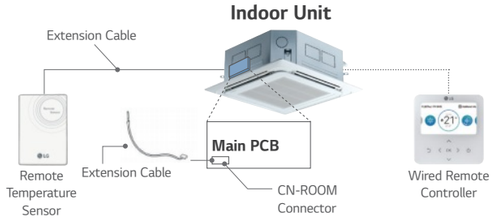
Features & Benefits

- It detects the exact room temperature instead of indoor unit's air temperature sensor.
- Applied to Ceiling Mounted Cassette, Ceiling Concealed Duct, THERMA V and Hydro Kit.
- Extension cable (15 m) is included.

Installation Scene

1. Wire to the control box in the indoor unit by removing the existing thermistor and connect the extension cable its place.

2. Cut the extension cable to the appropriate length and connect the screw terminal of the remote sensor.



IO Module

PVDSMN000

Interface module between the outdoor unit of system air conditioner and the external device.

Features & Benefits

Function
- Demand control
- Low noise operation
- Output outdoor or indoor unit operation status
- Output error status

Description
- IO Module is communication interface module for connection between MULTI V *i* and external IO (Input / Output Module) devices.

Models Applied

- MULTI V IV, 5, *i*
- MULTI V WATER 5
- MULTI V S

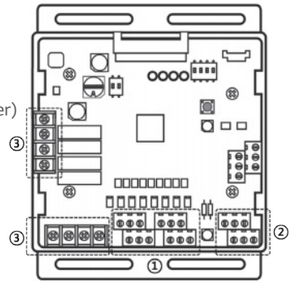
Note : IO Module is not compatible for MULTI V III and MULTI V S R32.

Part Description

1) Digital Input Part (DI : Dry Contact Input)
- Demand control by contact input (3 Step)
- Low Noise Operation input
- Priority Setting input : Setting the priority of demand control command (Capacity control for external signal from DDC vs Peak control by LG Central controller)
  - Open : External signal has priority to central controller (Default)
  - Close : Central controller has priority to external signal

2) Analog Input Part (AI : DC 0 ~ 10 V)
- Demand control by analog input (10 Step)

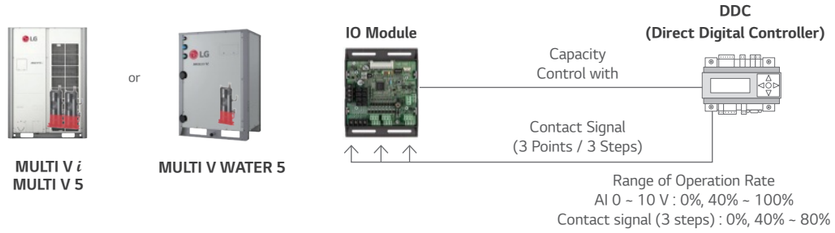
3) Digital Output Part (DO : AC 250 V, Max. 1 A)
- Error status relay output
- Operation status relay output
- Valve control



IO Module

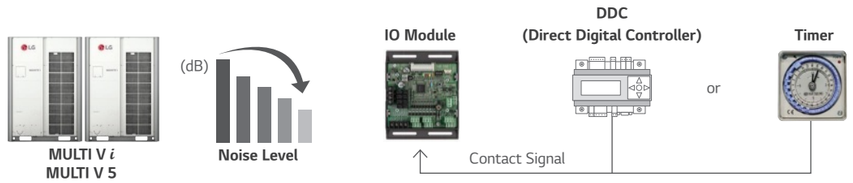
ODU Capacity Control

Provides variable settings for ODU Capacity Control according to input method to reduce the power consumption.
IO Module supports 2 types of input signal : Analog Inputs (0 ~ 10 V, 10 steps) and contact signals (3 steps)



Low Noise Operation

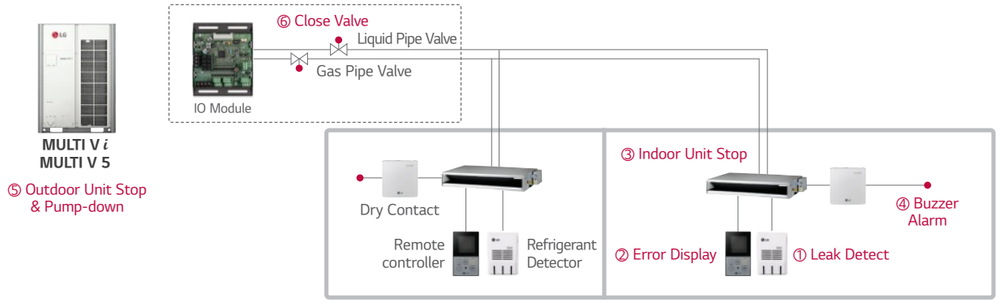
To reduce noise level, control outdoor unit's fan speed by dry contact input.



※ 8 HP (22.4 kW) model, Sound power level can be changed by outdoor unit operation status and low noise operation input signal.

Refrigerant Leakage Detection with Pump-down

For safety, IO module closes refrigerant valve during Pump-down operation.

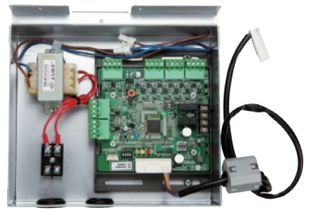


※ If the concentration of the refrigerant in the air exceeds 6,000 ppm more than 5 seconds, the function will be activated. (Refer to operation sequence which written in red, 1~6)

Variable Water Flow Control Kit

PWFCKN000 (MULTI V WATER 5)

Accessory for controlling the water flow.



Features

Function

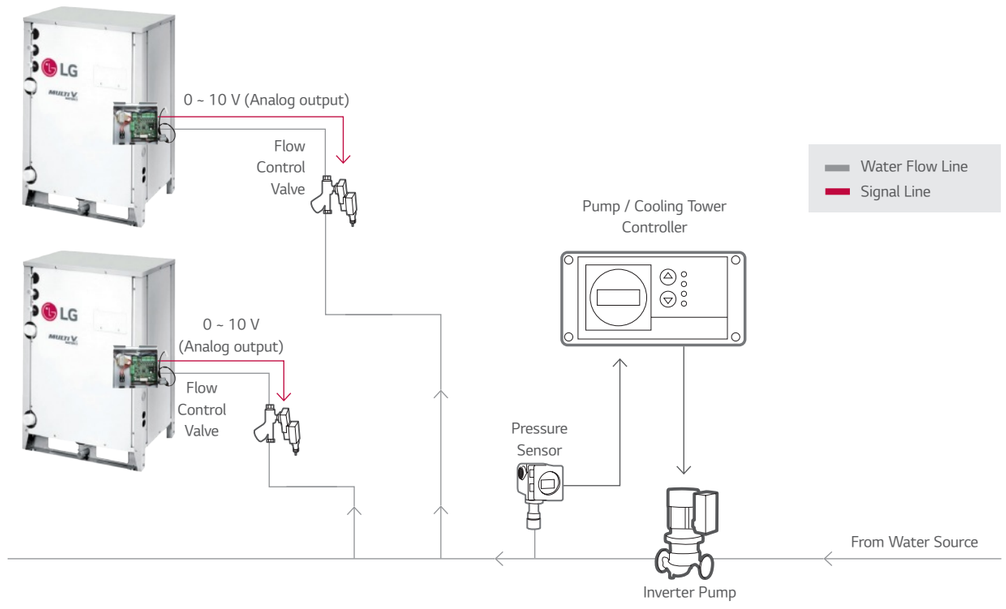
- Water pump or valve control (0 ~ 10 V)
- Minimum output voltage setting available
- Operation, error output (AC 250 V, Max. 1 A)
- Dry contact input and analog output for demand control
- Digital output for operation, error status (AC 250 V, Max. 1 A)

Description

- Water flow consumption reduction
- Pump electricity consumption reduction
- Including IO Module (Dry contact input, Analog input / output, Digital output)
  : Using Dry contact and variable water flow control function simultaneously.

Installation Scene

- Flow Control Valve : Regulates the flow or pressure of a fluid, normally responding to signals generated by independent devices.
- Flow Meter : Measures mass flow rate of a fluid traveling through a tube.
  (The mass flow rate is the mass of the fluid traveling past a fixed point per unit time.)
- Pressure Sensor : Measures the pressure.



AHU Kit

A solution to connect LG's high efficiency system to the DX coil of an air handling unit for maximum energy savings.

COMMUNICATION KIT

PAHCMR000

PAHCMS000

CONTROL KIT

PAHCNM000

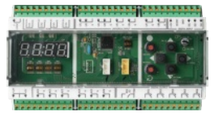
EEV KIT

PRLK048A0
PRLK096A0

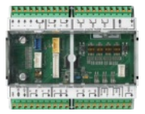
PRLK396A0

PRLK594A0

CONTROLLER MODULE



PAHCMM000



PAHCMC000

Specification

Control Application Kit

TYPE	MODEL	DIMENSIONS (MM)			POWER SUPPLY	IP RATING	DESCRIPTION
		W	H	D			
Communication Kit	PAHCMR000	300	300	155	1 Ø, 220 ~ 240 V, 50 / 60 Hz	IP66	Return / Room Air Temperature Control by DDC or LG Individual / Centralized Controller.
	PAHCMS000	380	300	155	1 Ø, 220 ~ 240 V, 50 / 60 Hz	IP66	Discharge Air / Supply Air Temperature Control by DDC or LG Individual / Centralized Controller
Controller Module	PAHCMM000	162	90	61	DC 12 V	IP20	Main Controller Module
	PAHCMC000	108	90	61	DC 12 V	IP20	Communication Controller Module
Control Kit	PAHCNM000	500	500	210	1 Ø, 220 ~ 240 V, 50 / 60 Hz		Various AHU Control Functions with Multiple DX Coils (Maximum connectable ODU is 3 units)

Expansion Application Kit

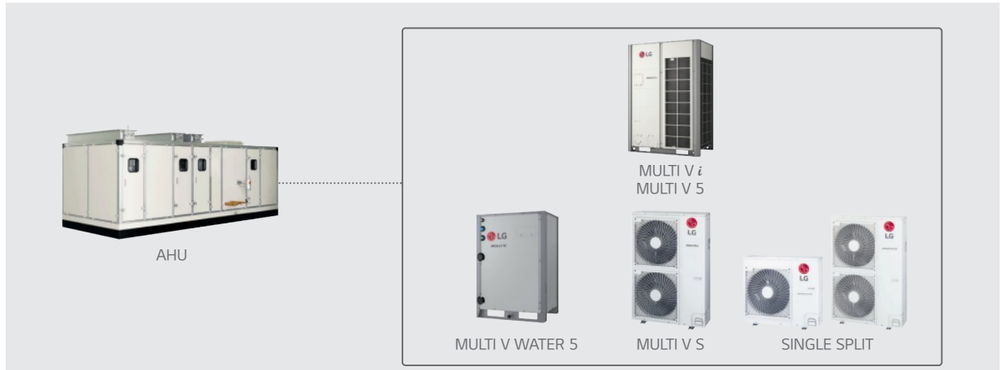
TYPE	MODEL	DIMENSIONS (MM)			PIPE DIAMETER (MM)	CAPACITY INDEX RANGE
		W	H	D	LIQUID	
EEV Kit	PRLK048A0	217	404	83	12.7	3.6 ~ 28 kW
	PRLK096A0	217	404	83	12.7	28.1 ~ 56 kW
	PRLK396A0	349.5	345.5	180	19.05	56.1 ~ 112 kW
	PRLK594A0	409.5	345.5	180	19.05	112.1 ~ 168 kW

Communication Kit

High Energy Efficiency

LG's DX AHU solutions' superior performance provides a highly efficient heat source system.
- High energy efficiency inverter system
- Large range of expansion application Kit : Max. 168 kW EEV Kit 1)
- Connected to various heat sources : MULTI V, MULTI V WATER, MULTI V S, SINGLE SPLIT

1) Maximum connectable EEV capacity for PAHCMR000, PAHCMC000 is 112 kW.

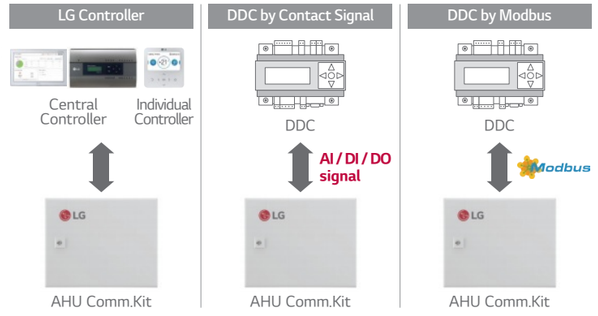


Diverse Options for Control

AHU communication kit can be connected to various control systems such as LG individual / central controller and DDC.[1)]
It can be directly connected to DDC without separated controller, so DDC can receive product control and monitor information through contact signal or Modbus protocol.

- LG Individual / Central controller supported
  - LG controller stand alone or combination with DDC
- Direct wiring between DDC and AHU communication kit
  - Embedded Digital I / O and Analog Input
  - Modbus RTU protocol supported

1) DDC : Direct Digital Controller



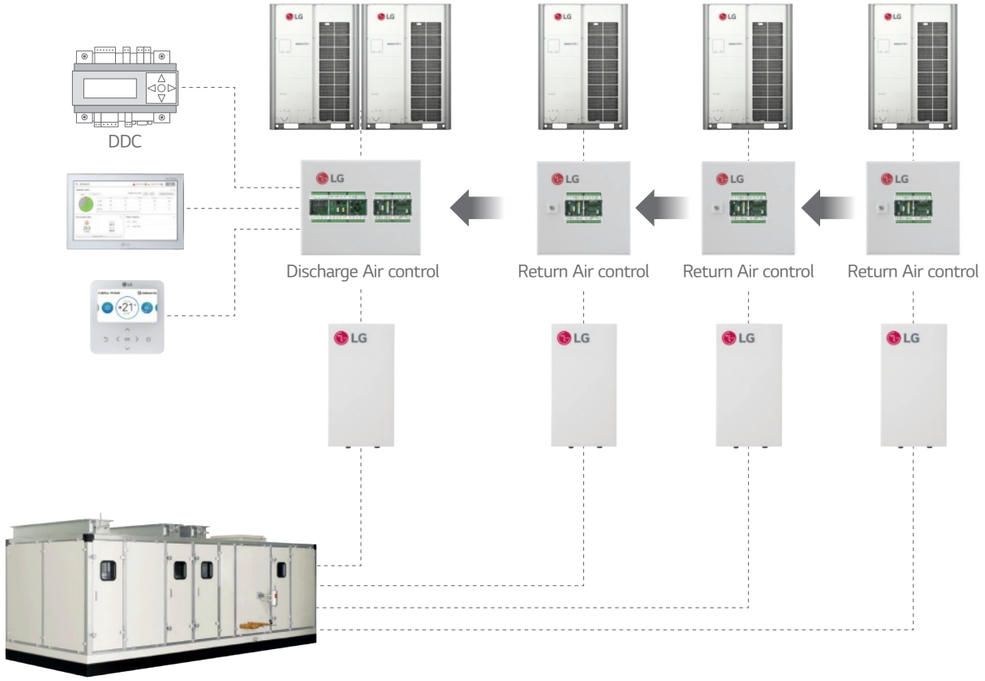
AHU Kit

Communication Kit

Expandable System Design

LG AHU system can be a suitable solution for various sites due to its application flexibility and wide range of line up with large capacity models.
According to the required capacity, a single or multiple module combination is possible due to the AHU communication kit's modular design.

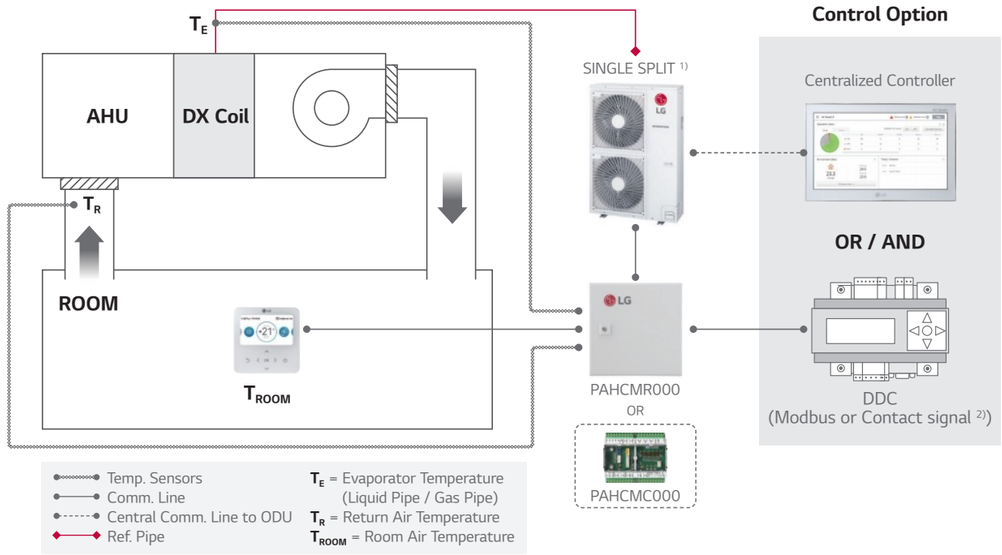
• Multiple module combination for large capacity AHU



Communication Kit & Controller Module

Single Split Application

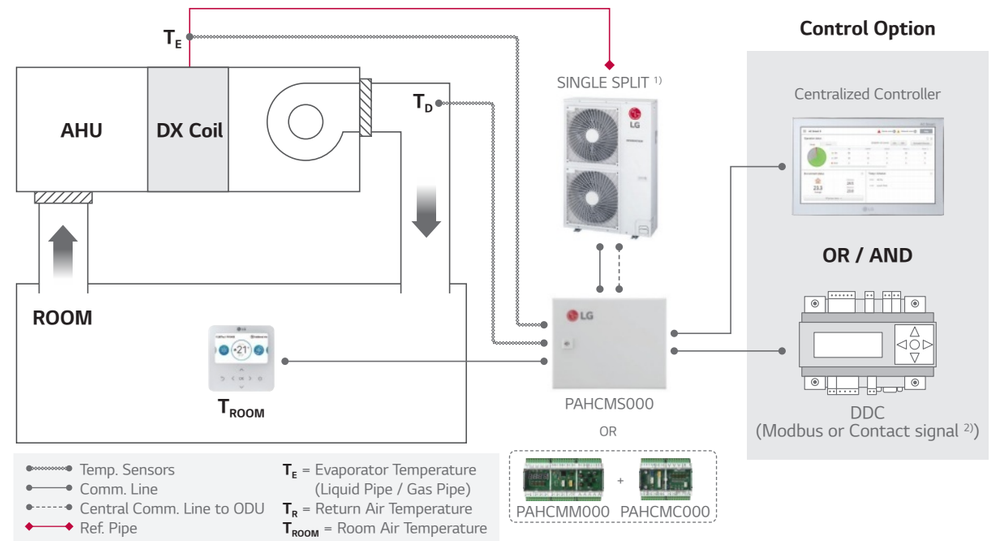
Single Split + Return / Room Air Temperature Control



1) PI485 (PMNFP14A1) is required for centralized controller.
2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC.
Note : For more detail, please refer to the PDB.

Single Split Application

Single Split + Discharge Air Temperature Control



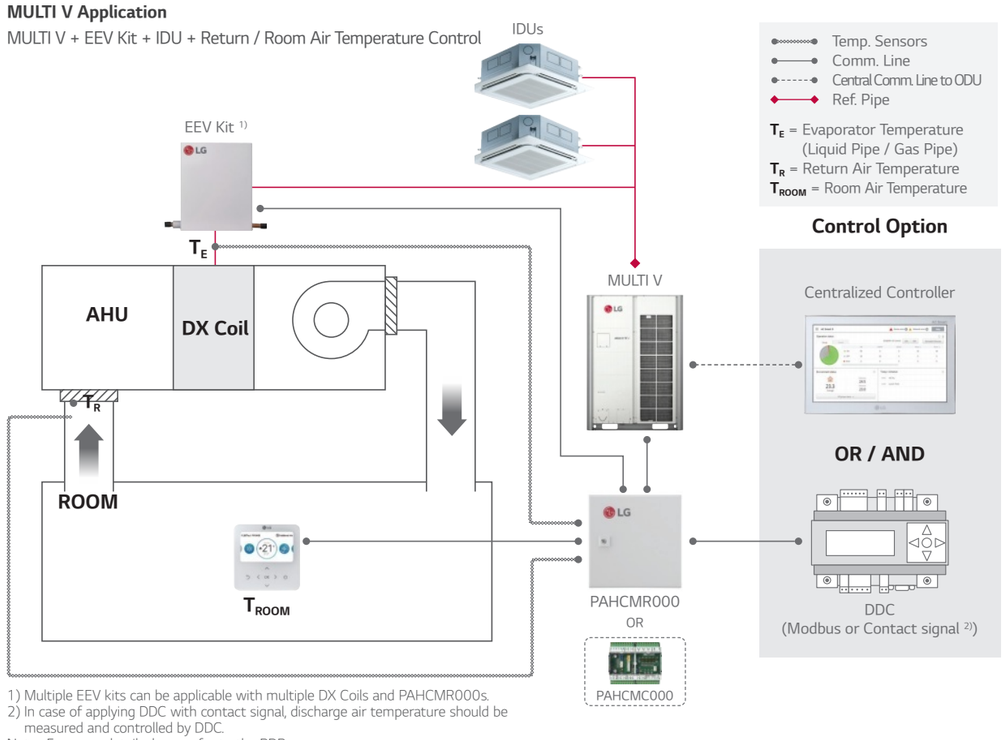
1) PI485 (PMNFP14A1) is required for centralized controller.
2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC.
Note : For more detail, please refer to the PDB.

AHU Kit

Communication Kit & Controller Module

MULTI V Application

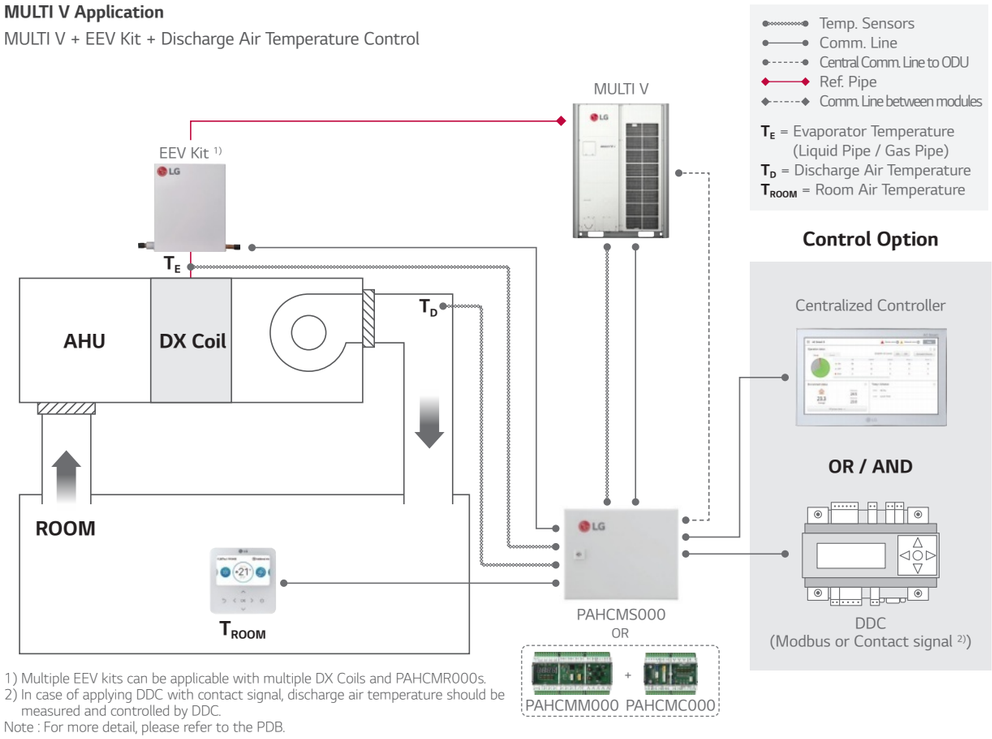
MULTI V + EEV Kit + IDU + Return / Room Air Temperature Control



1) Multiple EEV kits can be applicable with multiple DX Coils and PAHCMR000s.
2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC.
Note : For more detail, please refer to the PDB.

MULTI V Application

MULTI V + EEV Kit + Discharge Air Temperature Control



1) Multiple EEV kits can be applicable with multiple DX Coils and PAHCMR000s.
2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC.
Note : For more detail, please refer to the PDB.

Communication Kit Function

Communication with DDC via Contact Signal

FUNCTION LIST		PAHCMR000 (PAHCMC000)	PAHCMS000 (PAHCMM000 + PAHCMC000)	TYPE	NOTE
Control 1)	Operation On / Off	On / Off	On / Off	Digital Input (Non Voltage)	-
	Operation Mode	Cooling / Heating	Cooling / Heating	Digital Input (Non Voltage)	Available operation mode can vary depending on the settings of Communication Kit
	Return (Room) Air Temperature 2)	16 ~ 30°C	-	Analog Input (DC 0 ~ 10 V / 20 mA)	-
	Discharge Air Temperature 2)	-	-	-	Discharge air temperature should be controller directly by DDC using 'ODU Capacity Control
	Fan Speed 3)	-	High / Middle / Low	Digital Input (Non Voltage)	-
	Forced Thermal	On / Off	-	Digital Input (Non Voltage)	-
	ODU Capacity	-	10 ~ 100%	Analog Input (DC 0 ~ 10 V / 20 mA)	-
	Emergency Stop	-	Stop / Normal	Digital Input (Non Voltage)	-
Monitor	Operation	On / Off	On / Off	Digital Output (Max. : DC 30 V / 1 A, AC 250 V / 1 A)	For PACHMR000, dip sw1-3 DO Type should be set 'Off' (Status), In this case, 'fan speed' cannot be monitored by DO ports
	Operation Mode	-	-	-	It needs to be checked through control signal
	Fan Speed	High / Middle / Low	High / Middle / Low	Digital Output (Max. : DC 30 V / 1 A, AC 250 V / 1 A)	For PACHMR000, dip sw1-3 DO Type should be set 'On' (Fan Mode) In this case, 'On / Off, defrost, error Status' cannot be monitored by DO ports
	Defrost Operation	Defrost / Normal	Defrost / Normal	Digital Output (Max. : DC 30 V / 1 A, AC 250 V / 1 A)	For PACHMR000, dip sw1-3 DO type should be set 'OFF' (Status), In this case, 'fan speed' cannot be monitored by DO ports
	Error Alarm	Error / Normal	Error / Normal	Digital Output, Relay C contact (Max. : DC 30 V / 1 A, AC 250 V / 1 A)	
	Compressor On / Off	-	On / Off	Digital Output, (Max. : DC 30 V / 1 A, AC 250 V / 1 A)	-

1) Control functions for LG individual and central controller are not available in case of using together with DDC via contact signal.
2) The range of temp. is differ depending on the type of the controller.
3) To control fan speeds, DO port of the fan speed status should be connected to the fan control panel.
Note : For more detail information, please refer to the product data book.

Communication with DDC via Modbus protocol

FUNCTION LIST		PAHCMR000 (PAHCMC000)	PAHCMS000 (PAHCMM000 + PAHCMC000)	NOTE
Control 1)	Operation On / Off	On / Off	On / Off	
	Operation Mode	Cooling / Heating / Fan	Cooling / Heating / Fan	
	Return (Room) Air Temperature	16 ~ 30°C	-	
	Discharge Air Temperature 2)	-	○	Dip SW1-2 Discharge Temp. Control Type should be set 'On' Standard II : 16 ~ 30°C Standard III 4) : 12 ~ 50°C
	Fan Speed 3)	High / Middle / Low	-	
	Forced Thermal On / Off	-	-	
	ODU Capacity Control 2)	-	10 ~ 100%	Dip SW1-2 Discharge Temp. Control Type should be set 'On'
	Emergency Stop	-	-	
Monitor	Operation	On / Off	On / Off	
	Operation Mode	Cooling / Heating / Fan	Cooling / Heating / Fan	
	Return (Room) Air Temperature	○	-	Corresponding air temperature sensor connected to AHU Comm.Kit is required
	Discharge Air Temperature	-	○	
	Fan Speed	High / Middle / Low	High / Middle / Low	
	Defrost Operation	Defrost / Normal	Defrost / Normal	
	Error Alarm	Error / Normal, Error Code	Error / Normal, Error Code	
	Compressor On / Off	On / Off	On / Off	

※ ○ : Applied, - : Not Applied
1) Control functions for LG individual and central controller are not available in case of using together with DDC via contact signal.
2) In case of PAHCMS000, control type between "Discharge Air Temperature" and "ODU Capacity Control" is selectable.
3) To control fan speeds, DO port of the fan speed status should be connected to the fan control panel.
4) Standard III wired remote controller after version 2.10.5a.
Note : For the Modbus memory map and more detail information, please refer to the product data book.

AHU Kit

Communication Kit Function

With LG Control System (Individual & Centralized Controller)

FUNCTION LIST		PAHCMR000 (PAHCMC000)	PAHCMS000 (PAHCMM000 + PAHCMC000)	NOTE
Control [1]	Operation On / Off	On / Off	On / Off	-
	Operation Mode	Cooling / Heating / Fan	Cooling / Heating / Fan	Available operation mode can vary depending on the settings of Communication Kit
	Return (Room) Air Temperature [2]	16 ~ 30℃	-	-
	Discharge Air Temperature [2]	-	○	Standard II : 16 ~ 30℃ Standard III [4] : 12 ~ 50℃ Central Controllers : 12 ~ 50℃
	Fan Speed [3]	High / Mid / Low	High / Mid / Low	To control the AHU fan, dip switch 1-3 'DO type' should be set 'On (Fan Speed)' (PAHCMR000)
Monitor	Operation	On / Off	On / Off	-
	Operation Mode	Cooling / Heating / Fan	Cooling / Heating / Fan	-
	Return (Room) Air Temperature	○	-	-
	Discharge Air Temperature		○	Standard II : 11 ~ 39.5℃ Standard III [4] : 0 ~ 100.0℃ Central : -50.0 ~ 100.0℃
	Fan Speed	High / Middle / Low	High / Middle / Low	-
	Defrost Operation	On / Off	On / Off	Only with Individual Controller
	Error Alarm	Error Code	Error Code	Error code will be displayed on the screen
	Compressor On / Off	On / Off	On / Off	Only with Individual Controller

※ ○ : Applied, - : Not Applied
1) Control functions for LG individual and central controller are not available in case of using together with DDC via contact signal.
2) The range of setting temperature is different depending on the type of the controllers. And operation may different from setting range.
3) To control fan speeds, DO port of the fan speed status should be connected to the fan control panel.
4) Standard III wired remote controller after version 2.10.5 a.
Note : For more detail information, please refer to the product data book.

Compatibility with LG HVAC Controllers

CONTROLLER	INDIVIDUAL CONTROLLER			CENTRALIZED CONTROLLER					PDI
	PREMIUM	STANDARD III	STANDARD II	AC EZ	AC EZ TOUCH	AC SMART 5	ACP 5	AC MANAGER 5 [1]	PREMIUM STANDARD
									
Model no.	PREMTA000 PREMTA000A PREMTA000B	PREMTB101 PREMTBB11	PREMTB001	PQCSZ250S0	PACEZA000	PACS5A000	PACP5A000	PACM5A000	PQNUD1S40 PPWRDB000
PAHCMR000	○	○	○	○	○	○	○	○	○
PAHCMS000	-	○	○	-	-	○	○	○	-

※ ○ : Applied, - : Not Applied
1) AC Manager 5 is an integrator, so the installation with AC Smart 5 or ACP 5 is required.
Note : 1. Dry contact for indoor unit (PDRYCB000 / 400 / 300 / 500) is not applied.
2. For more details, please refer to the product data book.

Outdoor Unit Compatibility

For Small Size Application (~ 15kW) - Single Split

TYPE	MODEL	UUA1 (2.5 ~ 5.0 KW) 1)	UUB1 (5.0 ~ 8.0 KW) 1)	UUC1 (7.1 ~ 10.0 KW) 1)	UUD1 / UUD3 (10.0 ~ 15.0 KW) [1]
Communication Kit (Controller Module)	PAHCMR000 (PAHCMC000)	-	○	○	○
	PAHCMS000 (PAHCMM000 + PAHCMC000)	-	○	○	○
Control Kit	PAHCNM000	-	-	-	-

1) When connecting to Single Split outdoor unit, please check the compatibility to the regional sales office.

For Medium-Large Size Application (~ 672 kW) - MULTI V

TYPE	MODEL	MULTI V					MULTI V WATER		
		i	5	IV	III	S	5	IV	II
Communication Kit (Controller Module)	PAHCMR000 (PAHCMC000)	○	○	○	○	○	○	○	○
	PAHCMS000 (PAHCMM000 + PAHCMC000)	○	○	○	○	○	○	○	○
Control Kit	PAHCNM000	○	○	○	○	○	○	○	○

EEV Kit Compatibility

EEV KIT MODEL	CAPACITY INDEX (KW)		AHU APPLICATION KITS (MAXIMUM CONNECTABLE EEV KITS)			CONNECTION BY ODU SYSTEM		
	MIN.	MAX.	PAHCMR000 (PAHCMC000)	PAHCMS000 (PAHCMM000 + PAHCMC000)	PAHCNM000	MULTI V		SINGLE SPLIT
						HEAT PUMP	HEAT RECOVERY	
PRLK048A0	3.6	28	○ (1)	○ (1)	○ (6)	○	○	-
PRLK096A0	28.1	56	○ (1)	○ (1)	○ (6)	○	○ (Max. 33.7 kW)	-
PRLK396A0	56.1	112	○ (1)	○ (1)	○ (6)	○	-	-
PRLK594A0	112.1	168	-	○ (1)	○ (3)	○	-	-

※ O : Applied, - : Not applied
Note 1. Table of the outdoor unit compatibility is based on European regional model.
2. When connecting outdoor units in other areas, please check whether they are compatible or not.
3. Expansion application kit compatibility is based on capacity index of the system, it may changed according to system design condition.

AHU Kit

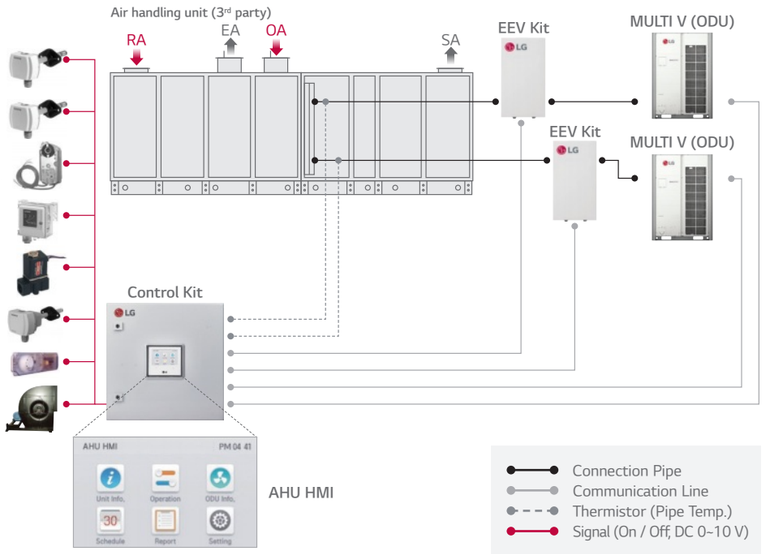
Control Kit

Field Supplied Item

LIST	REQUIRED SPECIFICATION	APPLY LOCATION
Temperature / Humidity Sensor	- Power : AC 24 V - Output Signal : DC 0 ~ 10 V - Temperature Range : -40°C ~ 70°C - Humidity Range : 0 ~ 95% RH	Supply Air Duct, Return Air Duct, Outdoor Air Duct
Temperature Sensor	- Power : AC 24 V - Output Signal : DC 0 ~ 10 V - Temperature Range : -50°C ~ 50°C	Supply Air Duct, Return Air duct, Mixed Air Duct
Damper Actuator	- Power : AC 24 V - Input / Output Signal : DC 0 ~ 10 V - Torque : 15 N·m - Operation Time : 150 s - Rotation Angle : 90˚	Outdoor Air Damper, Exhaust Air Damper, Mixed Damper
Filter Differential Pressure Sensor	- Power : AC 24 V - Output Signal : DC 0 ~ 10 V - Range: 0 ~ 1,000 Pa	Filter
	- Switch Type : Relay Open / Close	
Static Pressure Sensor	- Power : AC 24 V - Output Signal : DC 0 ~ 10 V - Range : 0 ~ 1,000 Pa	Supply Air Duct
CO_2 Sensor	- Power : AC 24 V - Output Signal : DC 0 ~ 10 V - Range : 0 ~ 2,000 ppm	Return Air Duct
Smoke Detector	- Power : AC 24 V - Type : Contact	Return Air Duct

Various Control with Control Kit – Multiple MULTI V + EEV Kits

Field Supplied Item



Hotel Control Solution

Guest Room

Air conditioner automatically switches off when guests depart

Integrated control of air conditioner with the hotel room controller

Air conditioner can be controlled with existing hotel thermostat

Prioritizes guest safety with refrigerant leak detection

Reception

Air conditioner control in conjunction with check-in or check out

Public Areas

Centralized management of the public areas

Design Proposal

GUEST ROOM

The air conditioner automatically turns off when guests leave

PDRYCB400

2 contact point

Input

- Operation On / Off

Output

- Operation On / Off status
- Error alarm

Integrated control of air conditioner with the hotel room controller

PDRYCB500 / PDRYCB510

(w/o case)

Function

- Operation
- Indoor temperature
- Error alarm
- Set run mode
- Set temperature
- Set fan speed

Control with existing hotel thermostat

PDRYCB320

8 contact point

Input

- Universal Input
- Operation On / Off
- Thermo On / Off
- Operation mode (Fan / Heat / Cool)
- Fan speed (Low / Middle / High)

Output

- Operation On / Off status
- Error alarm

Guest safety is the first priority

PRLDNVS0

Refrigerant leakage detector

- 6,000 ppm

PREMTB101

Wired remote controller

- 4.3 inch color LCD
- Touch button

LOBBY

Air conditioner control in conjunction with check-in or check out

PACS5A000

AC Smart 5

- BMS Integration (BACnet IP, Modbus TCP)

PACP5A000

ACP 5

- BMS Integration (BACnet IP, Modbus TCP)

Shopping Mall Control Solution

Retail

Proportionally distribute and manage the power consumption by tenants

Real-time system issue detection and alarms

Maintenance Office

Reduces energy by checking operational trends

Atrium

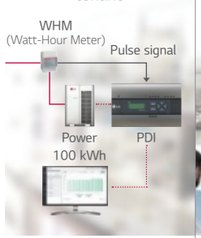
Integrated management of AHU applied to large spaces

Chiller and VRF integrated control

Design Proposal

RETAIL

Proportionally distribute and manage power consumption by the tenant



PPWRDB000

PDI Standard (2 ports)

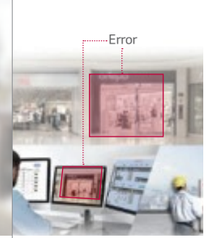
- Max. 128 IDU

PQNUD1S40

PDI Premium (8 ports)

- Max. 128 IDU

Fast problem detection and alarms



PACS5A000

AC Smart 5

- BMS Integration (BACnet IP, Modbus TCP)

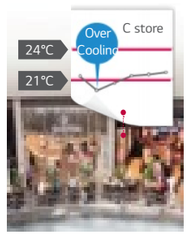
PACP5A000

ACP 5

- BMS Integration (BACnet IP, Modbus TCP)

MAINTENANCE OFFICE

Reduces energy by checking operational trends



ATRIUM

Integrated management of AHU applied to large spaces

PAHCMR000

AHU Comm.Kit

- Return air

PAHCMS000

AHU Comm.Kit

- Discharge air

Chiller and VRF integrated control

PACP5A000

ACP 5

PACS5A000

AC Smart 5

Hospital Control Solution

Hospital Ward

Proper airflow management for patients

Monitor the comfort level for each hospital ward

Control fan speed and air volume

Service Zone

Energy savings based on flexible scheduling

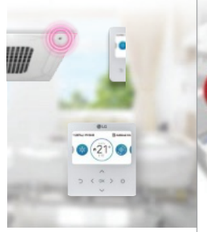
Lobby

Centralized management of AHU for large spaces

Design Proposal

HOSPITAL WARD

Proper airflow management for patients



PTVSMA0

Human detection sensor

PREMTB101

Wired remote controller

- 4.3 inch color LCD
- Touch button

Monitor the comfort level for each hospital ward

PACS5A000

AC Smart 5

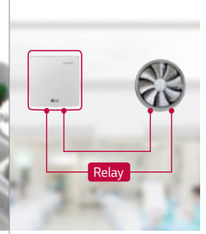
- BMS Integration (BACnet IP, Modbus TCP)

PACP5A000

ACP 5

- BMS Integration (BACnet IP, Modbus TCP)

External device interlock control



PDRYCB400

2 contact point

Input

- Operation On / Off

Output

- Operation On / Off status
- Error alarm

SERVICE ZONE

Energy savings based on flexible scheduling

PACS5A000

AC Smart 5

- BMS Integration (BACnet IP, Modbus TCP)

PACP5A000

ACP 5

- BMS Integration (BACnet IP, Modbus TCP)

LOBBY

Centralized management of AHU for large space

PAHCMR000

AHU Comm.Kit

- Return air

PAHCMS000

AHU Comm.Kit

- Discharge air

Academic Institution Control Solution

Class Room

Automatically save energy in the absence of students

Central controls prevent students from arbitrary control

Lecture Hall

Schedule management according to academic plan

Maintenance Office

Integrated management of distributed buildings

Centralized management with multiple interfaces

Design Proposal

CLASS ROOM

Automatically save energy in the absence of students

PTVSMA0

Human detection sensor

PREMTB101

Wired remote controller

- 4.3 inch color LCD
- Touch button

Central controls prevent students from arbitrary control

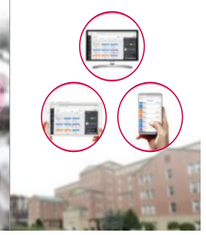
LECTURE HALL

Schedule management according to academic plan

MAINTENANCE OFFICE

Integrated management of distributed buildings

Centralized management with multiple interfaces



PACS5A000

AC Smart 5

- BMS Integration (BACnet IP, Modbus TCP)

PACP5A000

ACP 5

- BMS Integration (BACnet IP, Modbus TCP)

PACM5A000

AC Manager 5

Office Control Solution

Maintenance Office

Energy savings and management throughout the building

Integrated management of HVAC with BMS system

Reduce costs by replacing BMS

Office Room

Reasonable power distribution to tenants

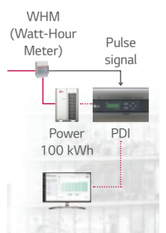
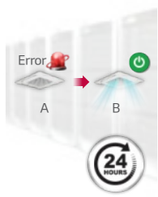
Server Room

24-hour backup management

Meeting Room

Energy savings based on occupancy detection

Design Proposal

MAINTENANCE OFFICE			OFFICE ROOM	SERVER ROOM	MEETING ROOM
Energy savings and management throughout the building	Integrated management of HVAC with BMS system	Reduce costs by replacing BMS	Reasonable power distribution to tenants	Main equipment 24 hours back up management	Energy savings based on occupancy detection
					
					
PACS5A000 AC Smart 5 • BMS Integration (BACnet IP, Modbus TCP)	**PACP5A000** ACP 5	**PEXPMB000** ACS IO Module	**PPWRDB000** PDI Standard (2 ports) • Max. 128 IDU	**PACS5A000** AC Smart 5 • BMS Integration (BACnet IP, Modbus TCP)	**PTVSMA0** Human detection sensor
					
PACP5A000 ACP 5 • BMS Integration (BACnet IP, Modbus TCP)	**PMBUSB00A** Modbus RTU gateway	**PEXPM300** **PEXPM200** **PEXPM100** ACU IO Module	**PQNUD1S40** PDI Premium (8 ports) • Max. 128 IDU	**PACP5A000** ACP 5 • BMS Integration (BACnet IP, Modbus TCP)	**PREMTB101** Wired remote controller • 4.3 inch color LCD • Touch button

Residential Control Solution

Home

Anytime, anywhere air conditioner control and access

Integrate systems for smart connectivity throughout

Bed Room

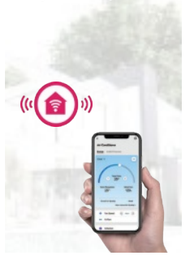
Use a familiar residential thermostat

Simple interlocking control by remote control

Apartment / Residence

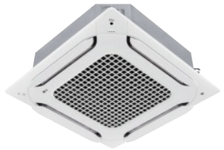
Stable system operation

Design Proposal

HOME		BED ROOM		APARTMENT
Control your home air conditioner anytime, anywhere	Build a Smart house	Use a familiar residential thermostat	Simple interlocking control by remote control	Stable system operation when indoor unit power is lost
				
				
PWFMDD200 Wi-Fi modem **Function** • On / Off • Fan speed • Operation mode • Vane control • Reservation (Sleep, Weekly On / Off) • Error check	**PDRYCB500** Modbus RTU (9,600bps) **Function** • Operation • Indoor temperature • Error alarm • Set operation mode • Set temperature • Set fan speed	**PDRYCB320** 8 contact point **Input** • Universal Input • Operation On / Off • Thermo On / Off • Operation mode (Fan / Heat / Cool) • Fan speed (Low / Middle / High) **Output** • Operation On / Off status • Error alarm	**PREMTB101** Wired remote controller • 4.3 inch color LCD • Touch button	**PINPMB001** Multi-tenant Power Module • EEV full close function

ACCESSORIES

Dual Vane Cassette Panel



Model Name
PT-AAGW0
PT-AFGW0

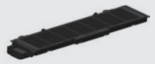
Key Features

Model	Function				
	Dual Vane	Wi-Fi	Floor Temperature Sensor	Air Purification	Human Detection Sensor
PT-AAGW0 PT-AFGW0	O	Optional	Optional	X	Optional
	O	Optional	Optional	Optional (Dust Sensor, Tact Switch)	Optional

Specification

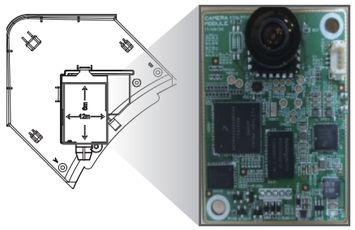
Model	Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)		
					W	H	D
PT-AAGW0	Grid	White (RAL 9003)	-	7.1	950	35	950
PT-AFGW0	Grid	White (RAL 9003)	-	7.5	950	35	950

Air Purification Kit

Model	Type	Image	Model Name	Dielectric Dust Collecting Filter	Photocatalytic Deodorizing Filter	HVPS	Ionizer
Air Purification Kit	4 Way		PTAHMP0	 O	O	O	O
	1 Way		PTAHTP0	 O	O	O	O
	Round		PTAHYP0	 O	O	O	X

Human Detection Kit

Human Detection Kit ensures energy saving and controls wind direction.



Model Name
PTVSMA0

Applied Products
PT-AAGW0
(For Dual Vane Cassette Panel)
PT-AFGW0
(For Dual Vane Cassette Panel)

Key Features
- Human Detection Control provides two functions.
  'Saving Operation' for energy savings and
  'Wind Direction Operation' for comfort.
- Detection Range : ~ height 4.2 m
- Installation Height 2.7 m → Detection area 12 m x 6 m
- Installation Height 3.2 m → Detection area 15 m x 8 m
- Installation Height 4.2 m → Detection area 18 m x 9 m

Other Cassette Panel

The Independent Vane Operation makes desired and comfortable air flow.


PT-QAGW0


PT-USC


PT-UAHG0, PT-TAHG0
PT-UPHG0, PT-TPHG0


PT-UAHW0, PT-TAHW0

Model Name & Applied Products
4 Way Cassette (Mini, 570 x 570)
PT-QAGW0

2 Way Cassette
PT-USC

1 Way Cassette (Grill Type)
PT-UAHG0 / PT-TAHG0 (Glossy)
PT-UAHW0 / PT-TAHW0 (Non-Glossy)

1 Way Cassette (Air Purification)
PT-UPHG0 / PT-TPHG0 (Glossy)

Key Features
- Independent vane operation uses separate motors, making it possible to control all 1, 2, and 4 vanes independently.
- The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain pipe and refrigerant pipes.

Compact and Stylish Design
- Mini 4 way cassette panel adapted unibody shape and matching with into the ceiling.
- Panel size is fit into the ceiling tile.

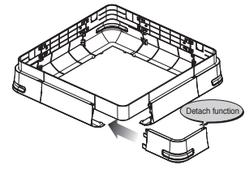
Specification

Model		Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)			Applied Model Capacity (kW)*					
						W	H	D	Single Split		Multi Split		MULTI V	
									R32	R410A	R32	R410A	R32	R410A
4 Way	PT-QAGW0	Grid	White (RAL 9003)	X	2.9	620	35	620	2.5-5.0	2.5-5.0	1.5-5.3	1.5-5.3	1.6-6.2	1.6-6.2
2 Way	PT-USC	Grid	Morning Fog (RAL 9001)	X	4.7	1,100	28	690					2.8-7.1	2.8-7.1
1 Way	PT-UAHG0	Grill	White (RAL 9003)	O	3.9	1,160	34	500			2.6-3.5	2.6-3.5	2.2-3.6	2.2-3.6
	PT-TAHG0	Grill	White (RAL 9003)	O	4.8	1,480	34	500					5.6-7.1	5.6-7.1
	PT-UAHW0	Grill	White (RAL 9003)	X	3.3	1,100	34	500			2.6-3.5	2.6-3.5	2.2-3.6	2.2-3.6
	PT-TAHW0	Grill	White (RAL 9003)	X	4.5	1,420	34	500					5.6-7.1	5.6-7.1
	PT-UPHG0	Grill	White (RAL 9003)	O	4.1	1,160	34	500			2.6-3.5	2.6-3.5	2.2-3.6	2.2-3.6
	PT-TPHG0	Grill	White (RAL 9003)	O	4.9	1,480	34	500					5.6-7.1	5.6-7.1

* Based on cooling capacity
※ O : Applied, - : Not applied

Cassette Cover

Cover in case of exposed cassette installation.

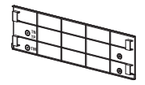


Model Name
PTDCA

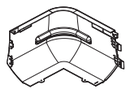
Applied Products
4 Way Cassette (for chassis TP-B, TM-A)

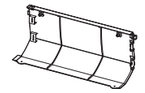
Included Parts
- Cover A, Cover B
- Screws
- Cover C, Cover D
- Installation Manual


Cover A (4 units)


Cover B (4 units)


Screw (28 units)


Cover C (4 units)


Cover D (4 units)


Installation Manual

Specification

Model	Front Panel		Weight (kg)		Dimensions (mm)		
			NET	Gross	W	H	D
PTDCA	PT-AAGW0 / PT-AFGW0	TP-B	6.1	9.5	1,157	266	1,157
		TM-A	6.1	9.5	1,157	308	1,157

Refrigerant Leakage Detector

R410A refrigerant leakage detector ensures room safety.

Model Name
PRLDNVS0

Applied Products
MULTI V *i*
MULTI V 5
MULTI V IV Heat Pump & Heat Recovery
MULTI V Water 5

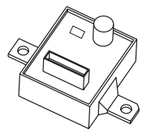
Key Features
- This detector senses refrigerant leakage when the refrigerant concentration exceeds 6,000 ppm. (The green and red LED lights blink simultaneously.)
- Alarm is "on" when refrigerant leaks out more than 6,000 ppm for 5 seconds. If it is reduced less than 6,000 ppm for 5 seconds, alarm is "off".
- When the alarm of the refrigerant leak detector is switched on the user must ventilate the room until the alarm is disabled.
- The detector has to be installed inside the room and it should be installed 300 ~ 500 mm above the floor.

Specification

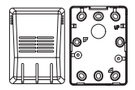
Parts	Specification	
Sensor	Rated Voltage (V)	DC 5.0 ± 5%
	Dimensions (W x H x D, mm)	31 x 44 x 20
	Weight (g)	22
	Detectable Refrigerant	R410A
	Detected Concentration (ppm)	0 / 6,000 Alarm Off / On
	Operating Temperature Range (oC)	-10 ~ 50
	Preserved Temperature Range (oC)	-40 ~ 60
	Average Power Consumption (mA)	35
Connecting Cable	Cable Length (m)	10
Sensor Protective Cover	Dimensions of Front Plate (W x H x D, mm)	80 x 110 x 44.6
	Dimension of Backplate (W x H x D, mm)	80 x 110 x 6.5

※ This function available for ARU****L**5 and 4 (MULTI V *i*, MULTI V 5, MULTI V IV H/P, H/R model)

Included Parts


Sensor

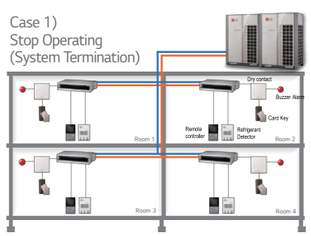

Connecting Cable


Sensor Protective Cover

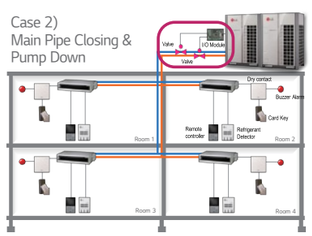
Key Application

Refrigerant Leakage Detector has three application methods.

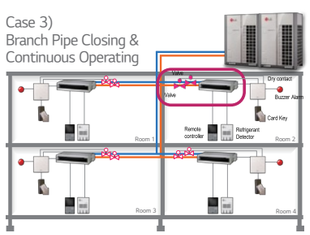
Case 1)
Stop Operating
(System Termination)



Case 2)
Main Pipe Closing &
Pump Down



Case 3)
Branch Pipe Closing &
Continuous Operating



Accessory Specification (To realize the case 2 application)


I/O Module
PVDSMN000

※ Necessary accessory


PRLDNVS0
(Refrigerant leak detector)


[Optional / Field Supply]
Automatic
Ball Valve[1)]

1) Please contact to subsidiary to get the recommended specification. (LG Electronic don't provide this accessory)


PDRYCB400
(Dry contact)


[Optional / Field Supply]
Buzzer alarm
for central control room
(Direct connection ~
DC 30 V, ~ 1 A)


[Field Supply]
Buzzer alarm for room


Central Control
Devices

CO_2 Sensor

CO_2 sensor in ventilation system.

Model Name
AHCS100H0

Applied Products
LZ-H025GBA4
LZ-H035GBA5 / LZ-H050GBA5
LZ-H080GBA5 / LZ-H100GBA5
LZ-H150GBA5 / LZ-H200GBA5

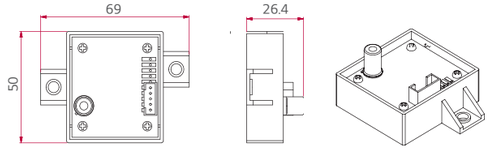
Applicable Products
LZ-H050GXN0 / LZ-H080GXN0
LZ-H100GXN0 / LZ-H050GXH0
LZ-H080GXH0 / LZ-H100GXH0

Key Features

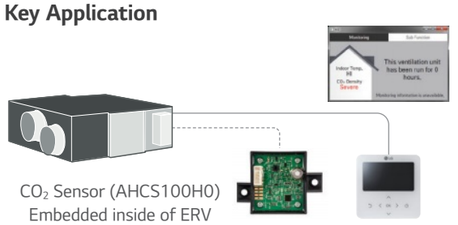
Specification
- Applied Model : ERV (Embeded), ERV DX (Option)
- Supply voltage : DV 12 V ± 5%
- Output : 0.6 ~ 4.4 V (Linear output, 240 ~ 1,760 ppm CO_2)
- Accuracy : ± 10% (2 days after installation)

Description
- The product is especially designed to detect CO_2.
- This model requires Standard III Wired Remote Controller for display.

Dimensions (Unit : mm)

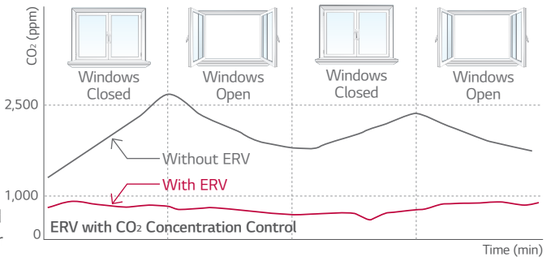


Key Application



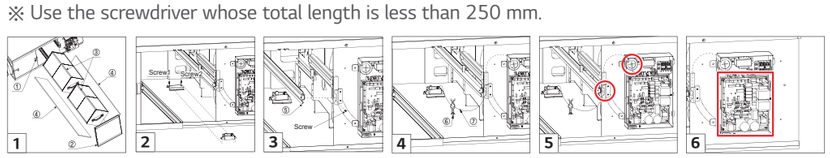
CO_2 Sensor (AHCS100H0)
Embedded inside of ERV

Standard III Wired
Remote Controller



How to Install
1. Remove a screw on the service cover. Pull the service cover fixing bracket (1), then remove the service cover (2). Remove two elements (3) and two air filters (4).
2. Install the sensor with two screws.
3. Remove a screw, then remove the right side of element rail (5).
4. Press the holder (6) into the hole to fix the CO_2 sensor cable (7).
5. Connect the wire terminal to the CN-CO_2 port of PCB.

※ Airflow can be controlled by concentration of CO_2, after setting automatic operation mode at remote controller.
※ Use the screwdriver whose total length is less than 250 mm.



IR Receiver

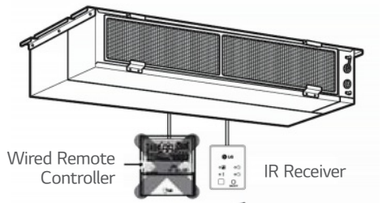
IR Receiver can be connected to ceiling concealed duct and floor standing unit which the customer wants to control by wireless remote controller.

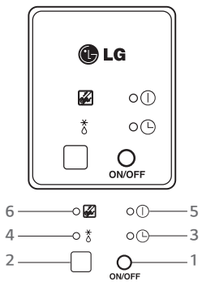
Model Name
PWLRVN000

Applied Products
MULTI V Indoors (Ceiling Concealed Duct, Floor Standing Units)

Key Features
- Designed for wireless control
- Indication lamps (3 colors) and Self-diagnosis function

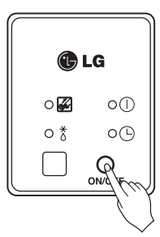
Key Application
Note : Do not install both the IR Receiver and Wired Remote Controller. This may cause malfunctions.





Signal Receiver

Operation of Indication Lamps
① Emergency Operation button : Turns the indoor unit on or off when remote controller is not working.
② Signal Detector : Receives the signal from remote controler.
③ Timer lamp (Green) : Lights up during the timer operation.
④ Hotstart lamp (Orange) : Lights up during the pre-heating operation, defrost operation as well as latent heat removal operation in heat mode. Available only for the heat pump models, not cooling only models.
⑤ System On / Off lamp (Red) : Lights up during system controller operation.
⑥ Filter Sign lamp (Green) : Lights up after 2,400 hours from the time of first power on operation.



Test Run Mode
After installing the product, you must run a Test Run mode. Press the Emergency Operation button for 5 seconds, until the LED flickers. Then the indoor unit, duct runs cooling mode for 18 minutes, where the setting temperature is 18℃ and the fan speed is high.

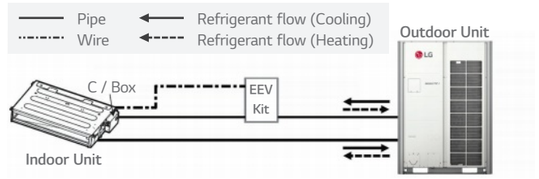
EEV KIT (for Indoor Unit)

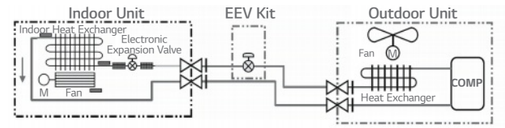
MULTI V EEV KIT is specially designed to reduce noise and make comfort environment.

Model Name
PRGK024A0

Key Features
- Decreasing noise level of MULTI V Indoor units and easy installation.

Key Application





Applied Products

Indoor Unit	Model	Chassis	Applicable
Cassette	1 Way Cassette	TU	○
	2 Way Cassette	TT	N/A
		TS	○ (~5.6 kW)
	4 Way Cassette	TR	○
		TQ	○ (~4.5 kW)
		TP	N/A
		TN	N/A
		TM	-
Duct	High Sensible	BG	-
		BR	-
		B8	-
	High Static	B8	-
	Middle Static	M1	○ (~5.6 kW)
		M2	-
		M3	-
	Low Static	L1	○
		L2	-
		L3	-
Etc	Floor Standing	CE	○
		CF	-
	Convertible	VE	○
	Ceiling Suspended	V1	-
		V2	-
	Wall Mounted	SJ	○
		SK	○
		SV	-
	Art Cool	SF	○
	Console	QA	○
	Hydro Kit	K2	-
		K3	-

※ ○ : Applied, - : Not applied, N/A : Not Applicable

EEV Kit can be applied for the space which requires quiet environment and noise sensitive space.

Luxury Hotel

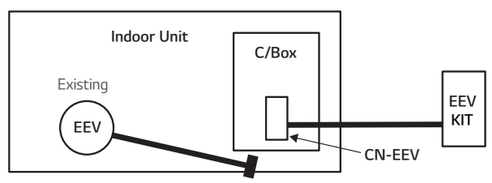
Villa

Executive office

Meeting room

※ If you don't use EEV of same specification, Cooling (Heating) capacity could be decreased.

How to Install
Open Indoor unit's control box cover.
1. Open fully indoor unit's EEV through vacuum mode of ODU setting.
2. Detach the Indoor unit's EEV connector from PCB and then push the reset button of Outdoor unit's PCB.
3. After connecting indoor unit's EEV CONNECTOR, repeat the process 1 & 2. Then, connect the EEV CONNECTOR of EEV KIT in PCB of indoor unit.
4. Finally connect the lead wire of the EEV Kit to the indoor unit's PCB.
5. Assemble the control box cover.



Multi-tenant Power Module

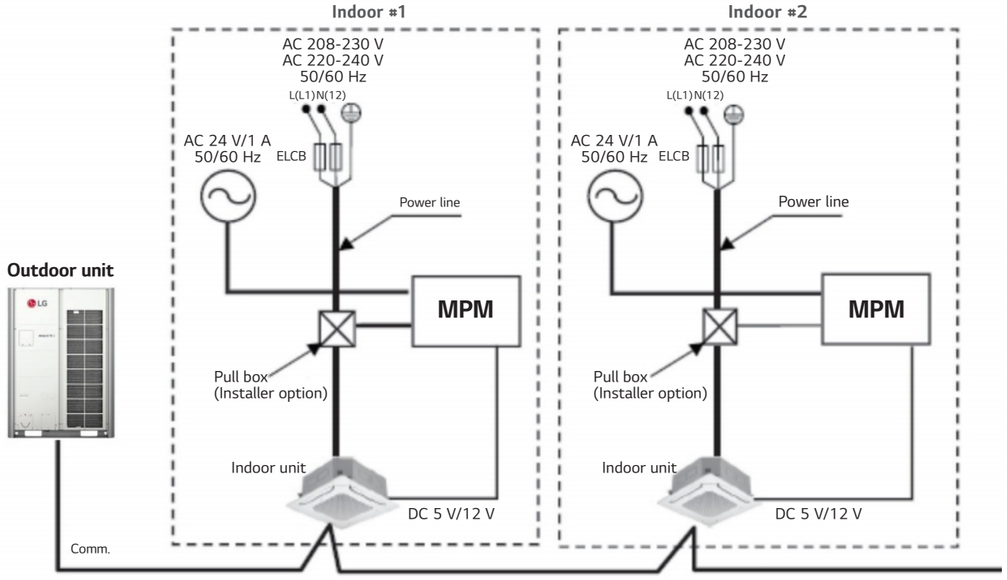
System operation is stable when indoor unit power is lost.

Model Name
PINPMB001

Applied Products
MULTI V Indoor Units

Key Features
- Multi-tenant site IDUs are powered separately, some of IDU power is gone by each tenant. In this case, system operation is not stable without Multi-tenant Power Module.
- This module power each EEV for stabilizing system operation.

Installation Scene



※ When Multi-tenant Power Module is adopted, CN-EXT must used for it. Instead of being used CN-EXT, PDRYCB000 (220 Vac input) / PDRYCB100 (24 Vac Input) Module are being used for Single contact.

Auxiliary Heater Relay Kit

Providing an efficient way to add auxiliary heat.

Model Name
PRARS1

Applied Products
Wall Mounted, Art Cool Mirror, Art Cool Gallery

Model Name
PRARH1

Applied Products
1, 2, 4 Way Ceiling Cassette, High Static Ducted, Low Static Ducted, Ceiling Suspended

Key Features
- Provides two stages of auxiliary heat for indoor unit.
- Provides ability to use the two stage auxiliary heater as the primary or secondary heating source.

Included Parts

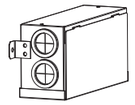
Model	PRARH1			
Item	Auxliary Heater Relay Kit	Screw	Insulation	Installation Manual
Q'ty	1	2	2	1
Figure				

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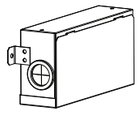
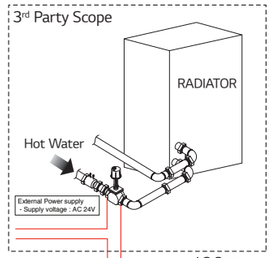
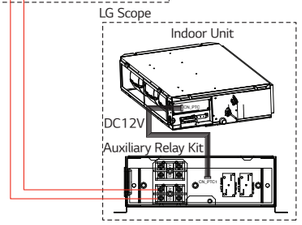
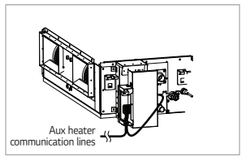
Figure				

Key Application

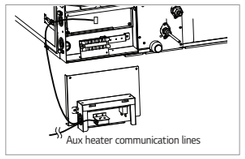




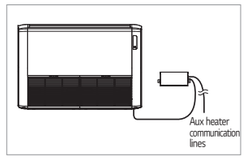
How to Install



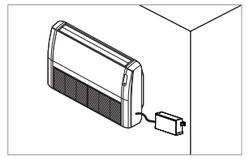
High Static Ducted

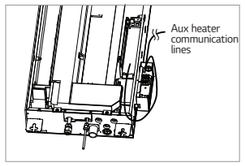


Low Static Ducted

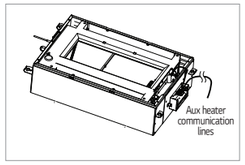


Ceiling Suspended

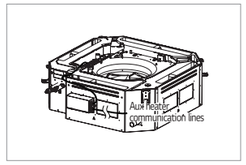

Wall Mounted



1 Way Cassette



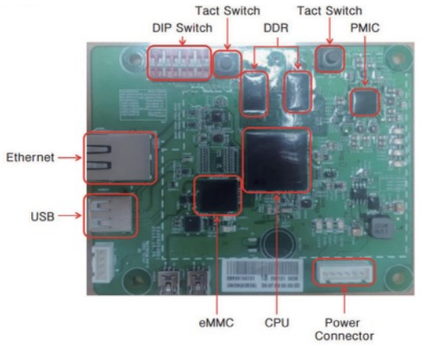
2 Way Cassette



4 Way Cassette

LG AI Engine Kit (Embeded)

It can make system data base saving, analysis, machine learning for controlling most optimized comfortable and energy saving system operation.



Model Name

PACTLA000

Applied Products

MULTI V *i* Heat Pump

Key Features

- AI Smart Care
- AI Indoor Space Care
- AI Energy Management
- AI Smart Diagnosis
- Large Capacity Black Box

Specification

Items	Specification
PCBA	- Size : 110 mm x 90 mm - Total 97 Items
CPU	- NXP i.MX6 Solo - Chip Size : 21 mm x 21 mm - ARM Single Cortex-A9, 32-bit 1 GHz
DC Power	- PMIC : 1.5 V, 1.1 V - DC / DC Buck Converter : 3.3 V
Ethernet IC	- Ether Transceiver IC (LAN8720AI)
eMMC SDRAM	- 16 GB (THGBMJG7C2LBAU8, Kioxia) - 256 MB x 2 EA (NT5CC128M16JR, NANYA)
Connector LED	- Debugger Connector (2 EA) - LED (9 EA)
Mic	-

Black Box Function Table

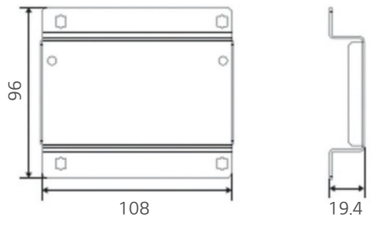
Function	Memory	Remark
Big Data Saving	Max. 10 Gbyte	DIP SW Setting for 1, 3, 6 Months
Event Data Saving	Max. 1 Gbyte, 100 Events	Max. 100 Events (1 hr before Event, 0.5 hr after Event)

Included Parts

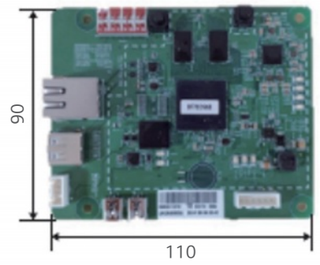
AI Engine PCB | Bracket | Harness (1 pcs) | Support (4 pcs) | Screw (2 pcs) | Guide Manual

Part Dimension Information

1) Bracket



2) AI Engine PCB



NOTE

Y Branch and Header Branch

Usage

For refrigerant piping connection (ODU-ODU, ODU-IDUs)

2 pipes 3 pipes

4 branch 7 branch

Applied Products

Refer to Specification Table

1) Y Branch for ODUs, H/R Box Connection (C/O & H/P, H/R)
2) Y Branch for Branch Pipe & IDUs Connection (C/O & H/P, H/R)
3) Header Branch for IDUs Connection (C/O & H/P)

Applied Products

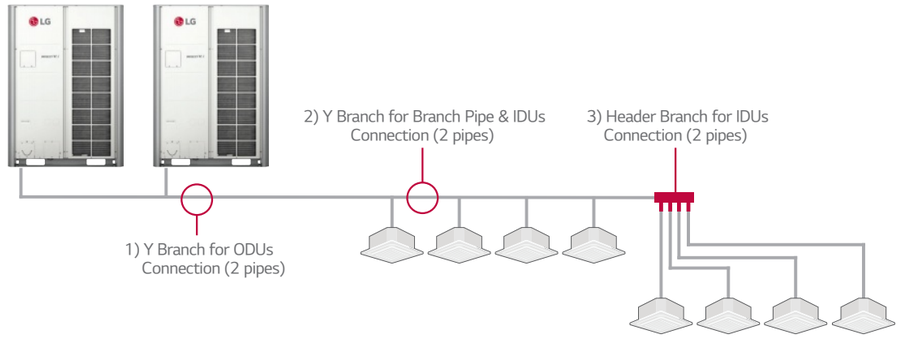
MULTI V *i*
MULTI V C/O, H/P, H/R
MULTI V S
MULTI V Water

Key Features

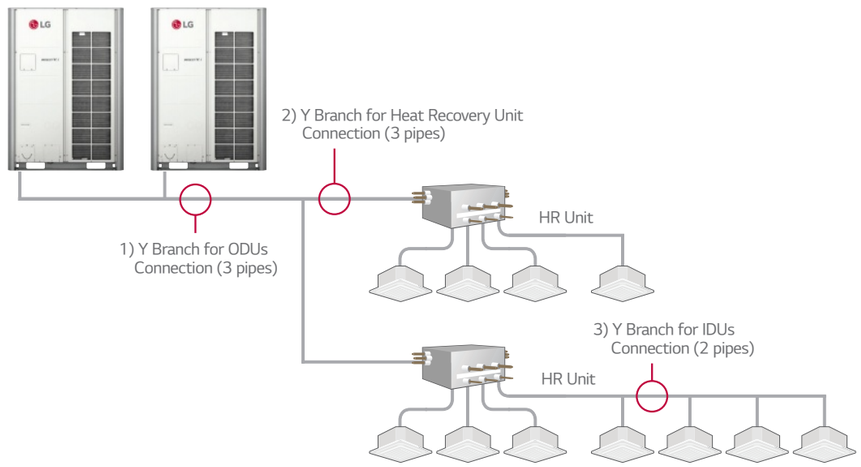
- Various Y Branch pipe of different capacities make MULTI V installation much easier.
- Y Branch and header branch for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Key Application

Cooling Only (C/O), Heat Pump (H/P) System

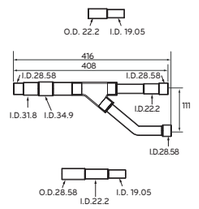
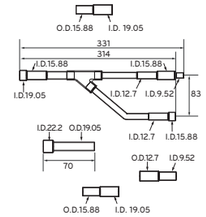
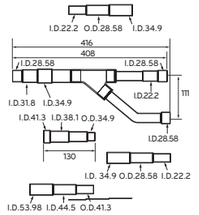
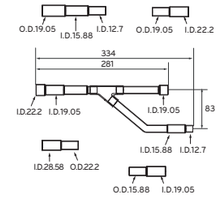
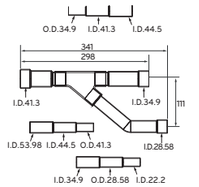
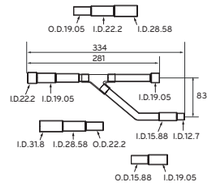


Heat Recovery System



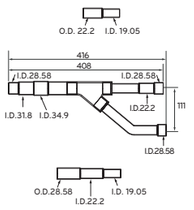
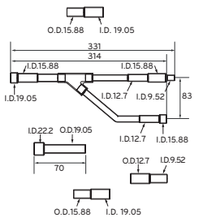
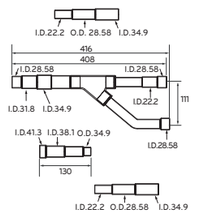
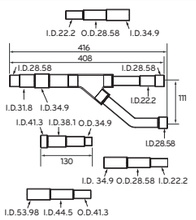
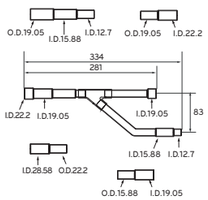
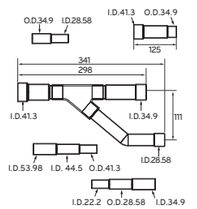
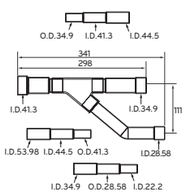
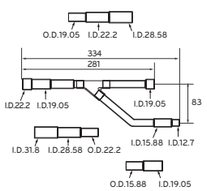
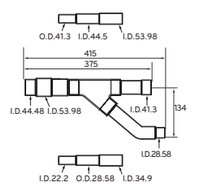
1) Y Branch for ODUs Connection (2 pipes)

(Unit : mm)

Model	High Pressure Gas Pipe	Liquid Pipe
ARCNN21		
ARCNN31		
ARCNN41		

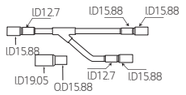
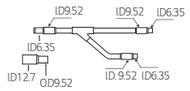
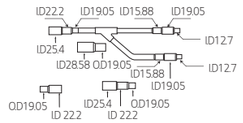
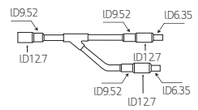
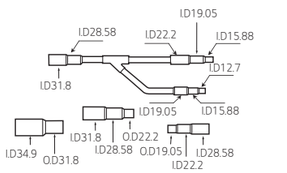
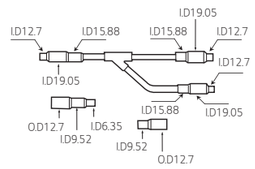
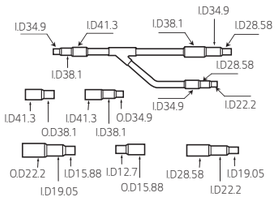
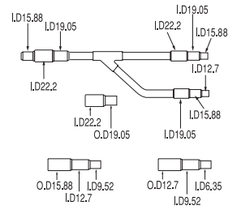
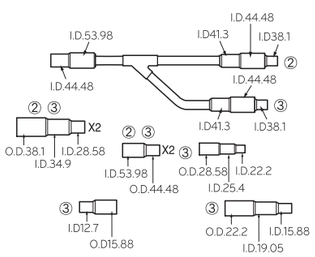
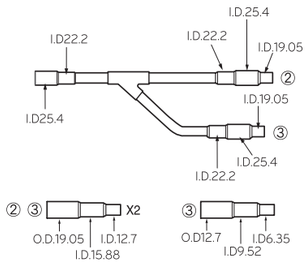
2) Y Branch for ODUs Connection (3 pipes)

(Unit : mm)

Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas pipe
ARCNB21			
ARCNB31			
ARCNB41			

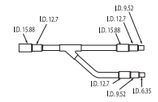
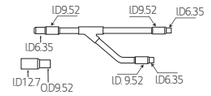
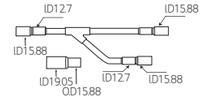
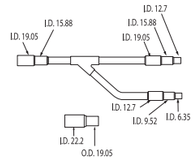
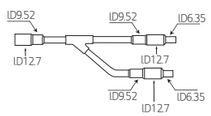
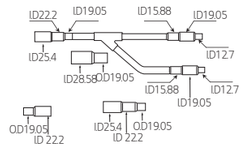
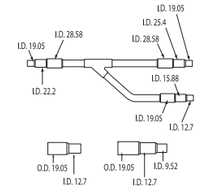
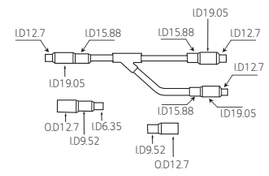
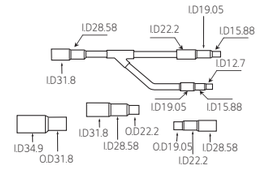
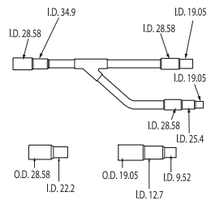
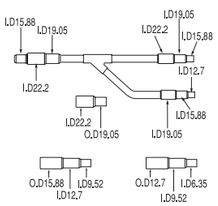
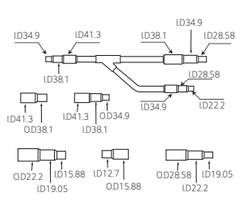
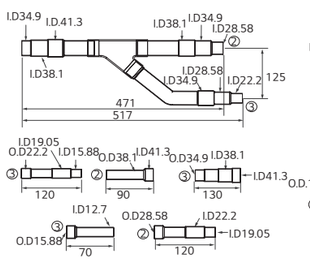
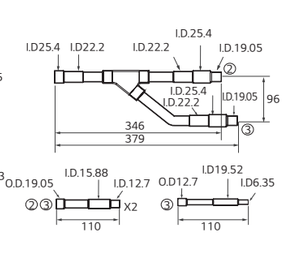
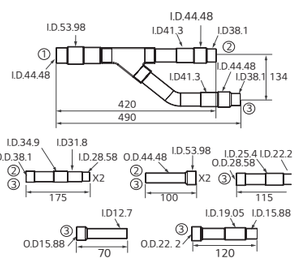
3) Y Branch for Branch Pipe & IDUs Connection (2 pipes)

(Unit : mm)

Model	Gas Pipe	Liquid Pipe
ARBLN01621		
ARBLN03321		
ARBLN07121		
ARBLN14521		
ARBLN23220		

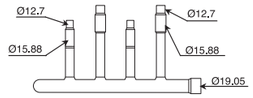
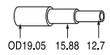
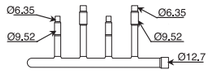
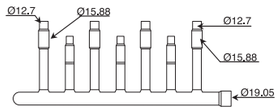
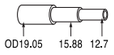
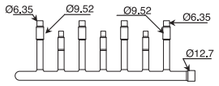
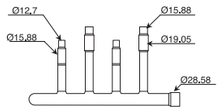
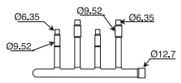
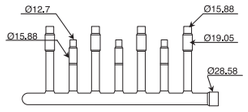
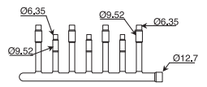
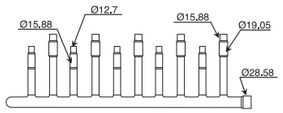
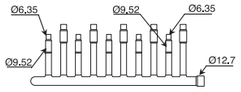
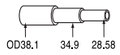
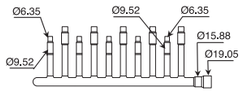
4) Y Branch for Branch Pipe & IDUs Connection (3 pipes)

(Unit : mm)

Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas Pipe
ARBLB01621			
ARBLB03321			
ARBLB07121			
ARBLB14521			
ARBLB23220			

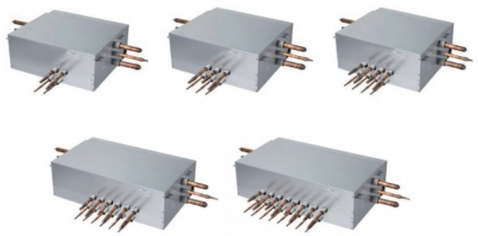
5) Header Branch for IDUs Connection (2 pipes)

(Unit : mm)

Model	Gas Pipe	Liquid Pipe
ARBL054 (4 Branch)	 	 
ARBL057 (7 Branch)	 	 
ARBL104 (4 Branch)	 	 
ARBL107 (7 Branch)	 	 
ARBL1010 (10 Branch)	 	 
ARBL2010 (10 Branch)	 	 

NOTE

Heat Recovery



Model Name

PRHR023 (2 Branch Unit)
PRHR033 (3 Branch Unit)
PRHR043 (4 Branch Unit)
PRHR063 (6 Branch Unit)
PRHR083 (8 Branch Unit)

Applied Products

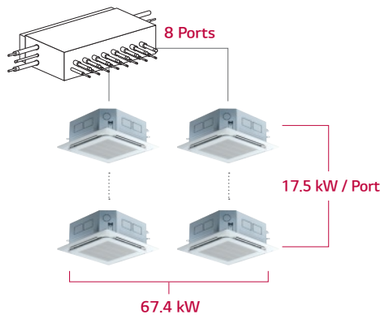
MULTI V *i*
MULTI V 5
MULTI V IV
MULTI V Water 5

Key Features

- Max. 64 IDUs connection is available.
- Easy to Install with Auto Piping Detection & Searching Function.
- Sub-cooling Circuit in HR unit can make highest system efficiency.

Connection Capacity

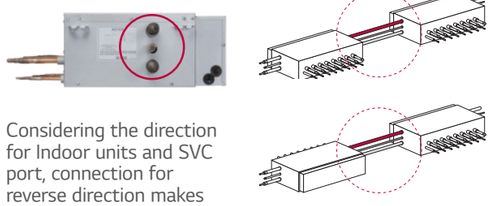
Maximum number of connectable indoor units :
64 IDUs / HR unit (in case of 8 ports model)



Flexible Connection

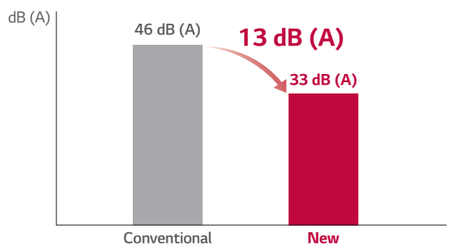
Series connection can be installed without pipes crossing.

New



Considering the direction for Indoor units and SVC port, connection for reverse direction makes much easier

Reduce Noise



Test Condition (ISO Standard)
- Temp. : (Cooling) 27℃ DB / 19℃ WB, 35℃ DB / 24℃ WB
  (Heating) 20℃ DB / 15℃ WB, 7℃ DB / 6℃ WB
- Operating : cooling → heating switching operation

Included Parts

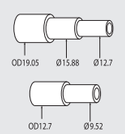
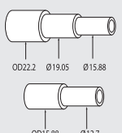
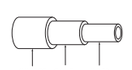
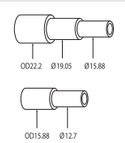
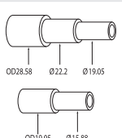
- HR unit (1 EA)
- Hanging bolts M10 or M8 (4 EA)
- Nut M8 or M10 (8 EA)
- Washers M10 (8 EA)
- Reducers

Specification

Model				PRHR023	PRHR033	PRHR043	PRHR063	PRHR083
Number of Branch			EA	2	3	4	6	8
Maximum Connectable Capacity of Indoor Units (Per branch / Unit)			kW	17.5 / 35	17.5 / 52.5	17.5 / 67.4	17.5 / 67.4	17.5 / 67.4
Maximum Number of Connectable Indoor Units Per Branch			EA	8	8	8	8	8
Nominal Input	Cooling		kW	0.040	0.040	0.040	0.076	0.076
	Heating		kW	0.038	0.038	0.038	0.072	0.072
Net. Weight			kg	18.5	20.3	22.0	28.3	31.8
Dimensions (W x H x D)			mm	786 x 218 x 657	786 x 218 x 657	786 x 218 x 657	1,113 x 218 x 657	1,113 x 218 x 657
Piping Connections	Indoor Unit	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Outdoor Unit	Liquid	mm (inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Low Pressure	mm (inch)	22.2 (7/8)	28.58 (11/8)	28.58 (11/8)	28.58 (11/8)	28.58 (11/8)
		High Pressure	mm (inch)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
Power Supply			Ø / V / Hz	1, 220 - 240, 50 1, 220, 60	1, 220 - 240, 50 1, 220, 60	1, 220 - 240, 50 1, 220, 60	1, 220 - 240, 50 1, 220, 60	1, 220 - 240, 50 1, 220, 60

Reducers for Indoor Unit and HR Unit

(Unit : mm)

Model		Liquid	High Pressure	Low Pressure
Indoor Unit Reducer				
HR Unit Reducer	PRHR023			
	PRHR033 PRHR043 PRHR063 PRHR083			

Stopper Valves

Model Name

PRVT120 (Under 12.7 mm)
PMVT780 (Under 22.2 mm)
PMVT980 (Under 28.58 mm)

Key Features

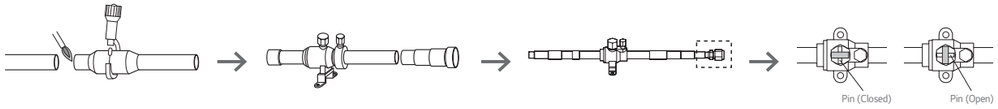
- This unit can be applied for the additional indoor unit's installation.
- This unit can be applied for each indoor unit's service.

Specification

Model	Specification
PRVT120	Input ➡ ID6.35 OD9.52 ID12.7 ➡ Output(Indoor unit) ID12.7 ID6.35
PRVT780	Input ➡ ID15.88 ID19.05 ID22.2 ➡ Output(Indoor unit) ID22.2 ID19.05 ID15.88
PRVT980	Input ➡ ID28.58 ➡ Output(Indoor unit) ID28.58

How to Install

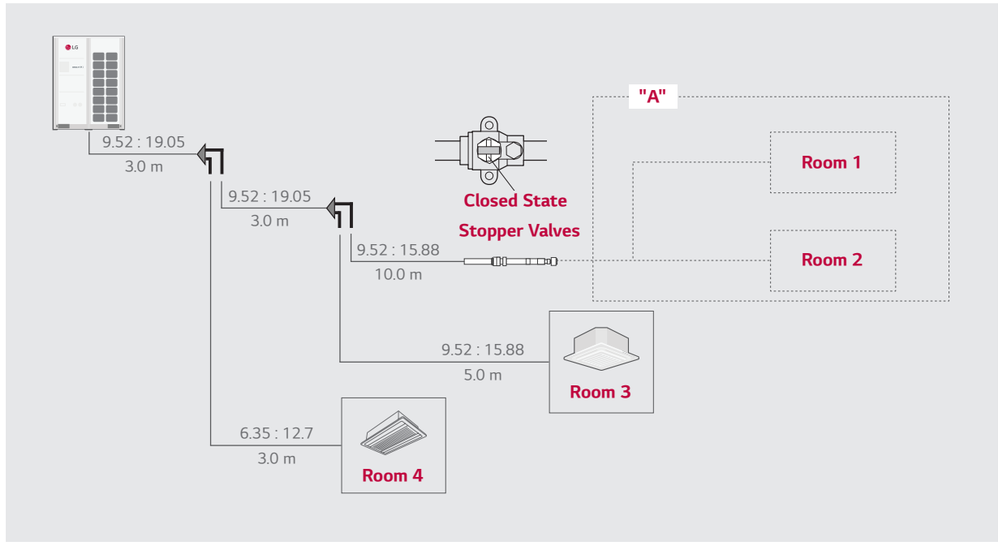
1. Cut the inlet side of the connector, and weld the pipe.
2. If installing additional indoor units, the outlet side connector should be cut according to installation pipe.
3. When installing a stopper valve, the flare part should be facing towards additional indoor unit.
4. When installing an additional indoor unit, the SVC valve should be in closed state.



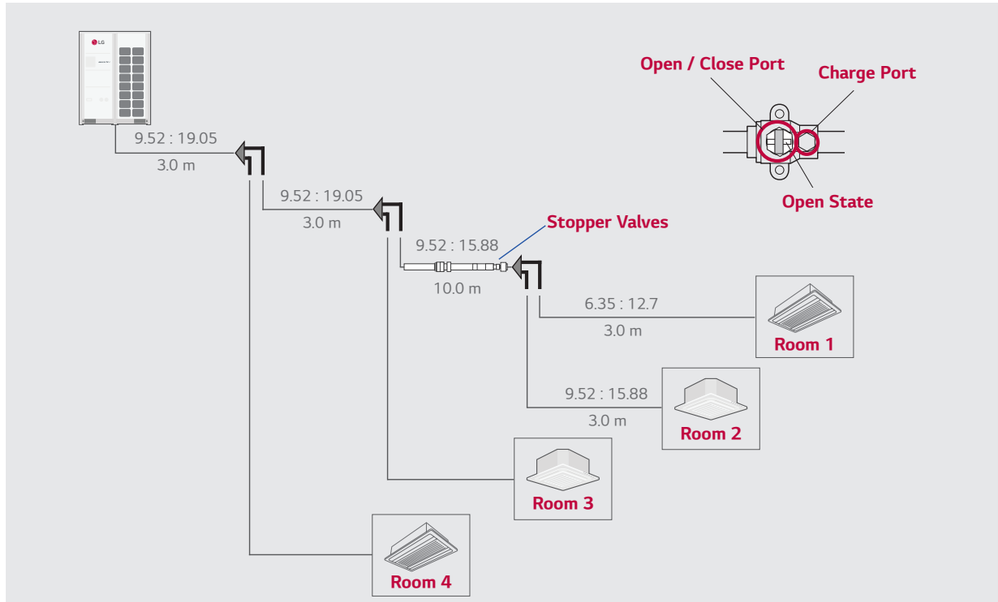
※ When welding, service valve should be wrapped by wet cloth.

Application

(Room 3 & 4 : in use / Room 1 & 2 : need to install indoor units)

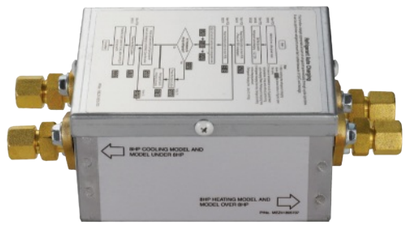


- In case of installation of additional indoor unit, refrigerant of used indoor unit must be discharged. (Room 3 & Room 4)
- If stopper valve is already installed, you can install additional indoor unit without refrigerant loss from the entire system.
- After installation of additional indoor unit, you just need refrigerant charging for "A" section.
- Then, open the Stopper Valve.



Refrigerant Charging Kit

Recharging refrigerant after a pump down or when refrigerant is either insufficient or excessive.



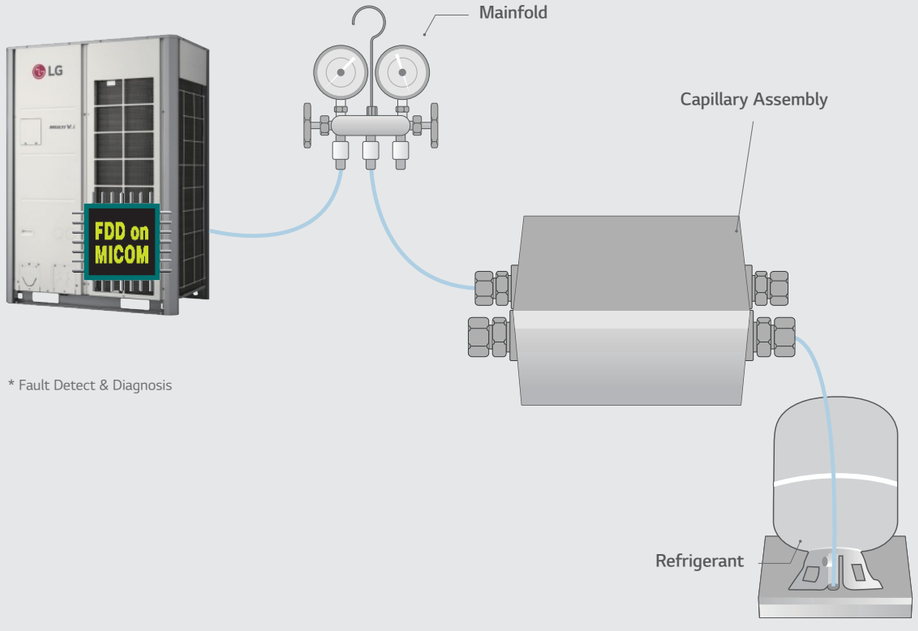
Model Name
PRAC1

Applied Products
MULTI V *i*
MULTI V 5
MULTI V IV Heat Pump
MULTI V IV Heat Recovery
MULTI V III Heat Pump
MULTI V III Heat Recovery
MULTI V PLUS II
MULTI V SYNC II

How to Use

1. Arrange manifold, capillary assembly, refrigerant vessel and scale.
2. Connect manifold to the gas pipe service valve of outdoor unit as shown in the figure.
3. Connect manifold and capillary tube. Use designated capillary assembly only.
   If designated capillary assembly isn't used, the system may get damaged.
4. Connect capillary and refrigerant vessel
5. Purge hose and manifold
6. After "568" is displayed, open the valve and charge the refrigerant.

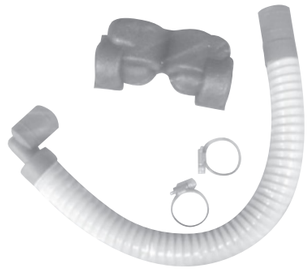
Key Application



* Fault Detect & Diagnosis

Drain Hose

Easy drain installation.



Model Name
PHDHA05T
PHDHA07T
PHDHA05B
PHDHA07B

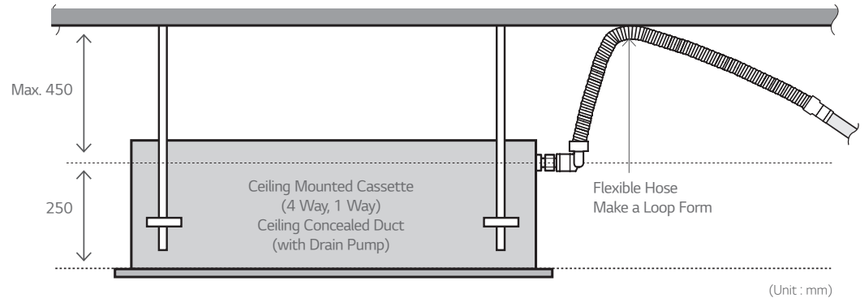
Applied Products
MULTI V Indoor units

Key Features

- It reduces the installation time by over 40% with elbow-less drain hose.
- Drain pump covers maximum 700 mm high, featuring easy piping installation.

Key Application

- Ceiling Mounted Cassette and Ceiling Concealed Duct. (Refer to PDB for applicable model)



Specification

Model	Length	Quantity
PHDHA05T	500 mm	30 EA
PHDHA07T	700 mm	30 EA
PHDHA05B	500 mm	5 EA
PHDHA07B	700 mm	5 EA