2021

2021

MULTI V™

LG AIR SOLUTION

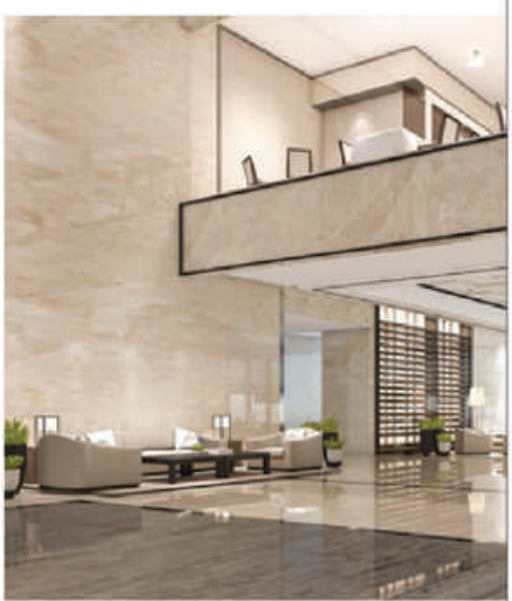
MULTI V™

PHILIPPINES

LG

LG Life's Good

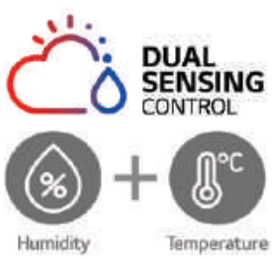
INDEX



10 ADVANTAGES OF MULTI V

1 ULTIMATE EFFICIENCY

Ultimate Energy Saving with Dual Sensing Control.



2 INNOVATIVE TECHNOLOGIES

MULTI V 5
- Ultimate Inverter Compressor
- Biomimetics Technology Fan

ULTIMATE INVERTER COMPRESSOR Scroll Compressor

3 SUPERIOR DURABILITY

LG's exclusive "Black Fin" heat exchanger is designed to perform even in corrosive Environments.

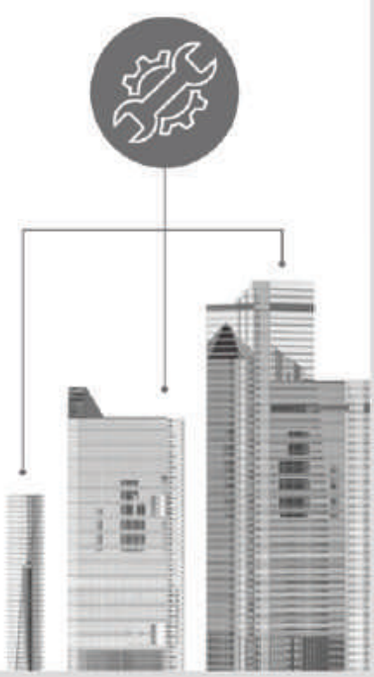
Certified protection

※ Verification of corrosion resistance performance
- Declared by TUV Rheinland
- Test Method B of ISO21207
- Test condition : Salt contaminated condition + severe industrial/traffic environment

4 DESIGN FLEXIBILITY

Flexible Installation with Large Capacity Outdoor Unit.

MULTI V 5 enables easy type change-over to suit the purpose of any building.



5 SMART CONTROLS

MULTI V responds to diverse building environments with LG ThinQ-based AI control and individual/central integrated control solutions.

6 BUSINESS SUPPORT

- Engineering Tools & Support
- LG Air Conditioning Academy
- Asia Regional HQ

7 DIVERSE PRODUCT LINE UP

LG offers a specialized product lineup suited for various business environments, perfectly responding to the unique conditions no matter the use case.

8 DIVERSE INTEGRATED SOLUTION

Integrated solution optimized for various business environments, including hot water, AHU, BMS, and EMS.

9 MADE IN KOREA

LG MULTI V line-up emphasizing high quality and durability with Korea made products.

10 BRAND RELIABILITY

Global production sites facilitate world-class customer service.

MULTI V BRAND HISTORY

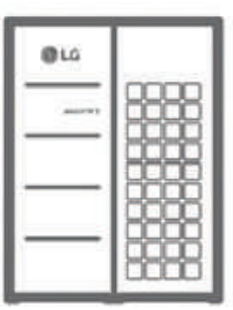
2006
MULTI V
- Heat Recovery
- Ø7.0 Corrugate
- Fuzzy Algorithm
- AC Inverter
- R410A

2008
MULTI V II
- Ø7.0 Wide louver
- LGDC Inverter

2010
MULTI V III
- High Pressure Oil Return
- Vapor Injection
- Continuous Heating

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
- One Unified Platform Heat pump & Heat recovery
- Ocean Black Fin



Since the time when LG launched Korea's first residential air conditioner in 1968, the company has worked to continuously enhance its technological innovation and reliability. As a result of sustained improvement, LG VRF launched the first generation of MULTI V in 2006 and achieved significant development. With the best-in-class compressor technology and innovation applied to every part and control solution, MULTI V has evolved to be on of the world's most efficient and reliable VRF solutions.

The first and second generations of MULTI V boasted inverter technology and non-ozone depleting technology, while MULTI V III was produced with cutting edge tech like oil return with HiPOR™ and double compression features with mid-pressure refrigerant allowed by Vapor Injection. The innovative technologies of MULTI V's fourth generation brought about product leadership in efficiency. Its Smart Load Control adjusts with the outdoor temperature, while optimizing refrigeration management and heat exchange for both cooling and heating.

MULTI V's wide range of VRF solutions satisfies various building types and sizes. MULTI V S's size discharge was designed for small to mid-sized buildings while MULTI V Water is a water-cooled VRF solution with variable water flow control technology.

In 2017, the ultimate VRF solution was introduced with MULTI V 5. This generation has fully improved its technological potential with the powerful and reliable yet economical Ultimate Inverter Compressor, effective corrosion resistance with the Ocean Black Fin coating and enlarged fans. Dual Sensing Control offers the most pleasant indoor environment while minimizing unnecessary energy loss by sensing both temperature and humidity to efficiently manage cooling, heating and part load.

MULTI V 5 has been designed for the ultimate efficiency, performance, flexibility, comfort and control, ensuring the most pleasant indoor experience.

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.

ENGINEERING TOOLS & SUPPORT

From planning to service & maintenance and then to de-construction, 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 Electronics Air Solution Business Unit offers several engineering tools and solutions focused on HVAC, during the overall lifecycle of a building, related to the three categories. Among them, the LATS* Program series has been developed to offer the best tool for LG HVAC systems, providing our customers with a solution that allows for faster, easier and more accurate model selection, draft energy estimations and more.

* LATS : LG Air-conditioner Technical Solution

I

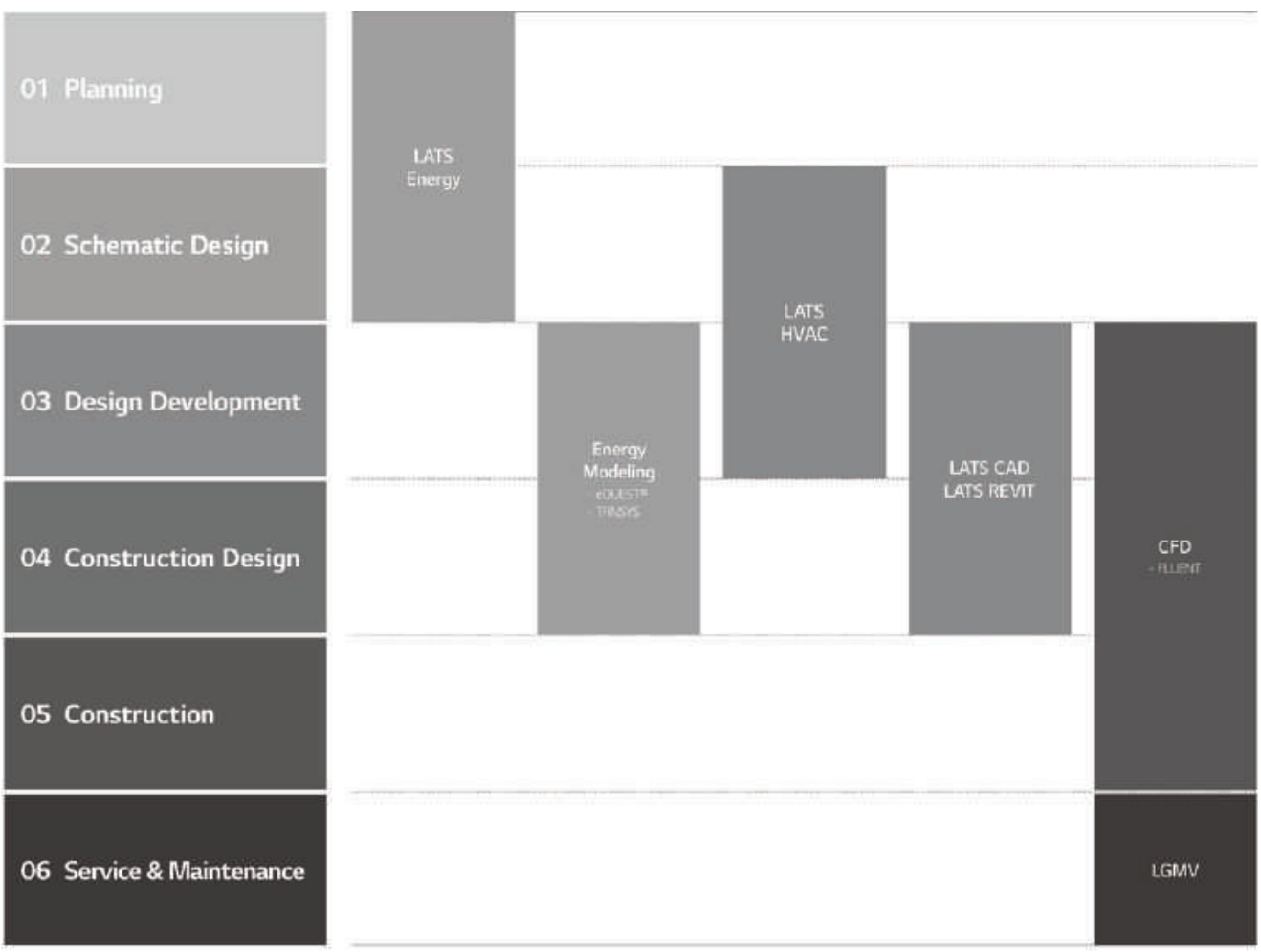
Energy Estimation & Energy Modeling

II

Model Selection & Design

III

Installation Environment Simulation



01 Draft Energy Estimation

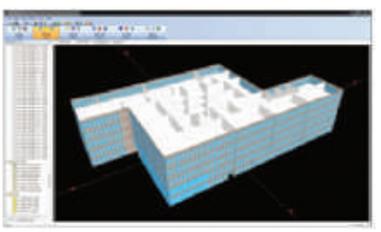
LATS Energy

LATS Energy is a program developed by LG to estimate energy consumption and analyze the life cycle cost of LG commercial air conditioning systems during a project's early stages.

02 Building Energy Modeling

eQuest, EnergyPro, Trace700 and More

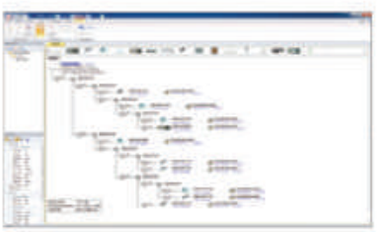
These are certified commercial programs which assess the HVAC system efficiency and building's annual energy savings for building standards or certifications, like LEED. LG HQ supports these programs for the project stages of Design Development and Construction Design where in the overall designing is finished.



03 Model Selection

LATS HVAC

LATS HVAC is a model selection program that accurately and quickly selects the most suitable LG commercial air conditioning systems for each design.
In addition to model selection, faster estimation on refrigerant piping diameter and additional refrigerant is possible, along with auto printing of reports.



04 Design

LATS CAD

LATS CAD enables faster and more accurate 2D design of LG commercial air conditioning systems. It also enables modules for quotation and installation review that minimize inherent problems during installation and commissioning.

※ AutoCAD program is required.

LATS REVIT

LATS REVIT allows BIM users to have an attractive 3D design of LG commercial air conditioning systems with embedded calculations for refrigerant and efficiency features.

※ AutoCAD Revit program is required.

05 Environment Simulation

CFD Analysis

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

06 Service & Maintenance

LGMV

LGMV offers real-time MULTI V cycle monitoring. During start-up, LGMV can check for normal operation as well as troubleshoot any errors. Also it helps to find causes of errors and solve the problem faster.

BENEFITS OF LG MULTI V

Benefits for
Building Owners

Efficient Management & Cost Reduction
- Fault Detection Diagnosis enables easy maintenance
- Requires no extra manpower for regular maintenance
- With diverse control systems, maintenance cost is minimized

Reliability at Every Stage
- Ultimate Inverter Compressor developed and manufactured in Korea
- Corrosion resistant Ocean Black Fin for harsh conditions operation
- Smart Oil management (Auto Oil Balancing and Active Oil return) decreases compressor damage

Customized Comfort and Solution
- Compatible option between Heat pump and Heat recovery system is possible

Benefits for
Developers & Construction Companies

Green Solutions
- Optimized for LEED/BREEAM certification
- Renewable energy solution provided through geothermal application

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

Smart Building Solutions
- Seamless integration with current Building Management Systems
- Wi-Fi control available for anytime, anywhere access (via the 'LG ThinQ' mobile app)
- Energy management and control according to usage and planning is possible with LG's centralized control solution

Benefits for
Consultants

Versatile Solutions
- Air-cooled, Water-cooled, Heating, and Air Handing 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 and longer piping length facilitates HVAC designing process
- Meets any type of customer requirements of diverse environment, design conditions, and building applications

Benefits for
End-users

Cost Saving Operation
- High efficiency guaranteed throughout product line-up
- Up to 31% cost savings with MULTI V's Smart Load Control*

Comfort Cooling & Heating
- Smart Load Control maximizes indoor comfort level
- Dual Sensing Control offers pleasant and comfortable cooling and heating environment
- Duration time of Continuous Heating is 11% longer than previous model**

Convenient Functions
- Low-noise operation provides a pleasant environment

* Dual Smart Load Control ESEER based, below 50% humidity, model ARUM260LTE5
** LG internal test result

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 5 and MULTI V reduces operation costs, and provides comfort that suits any purpose and any space, helping to invest the extra space and expense to your business.

* PDI : Power Distribution Indicator ** CST : Cassette

Residential

Creating a comfortable home

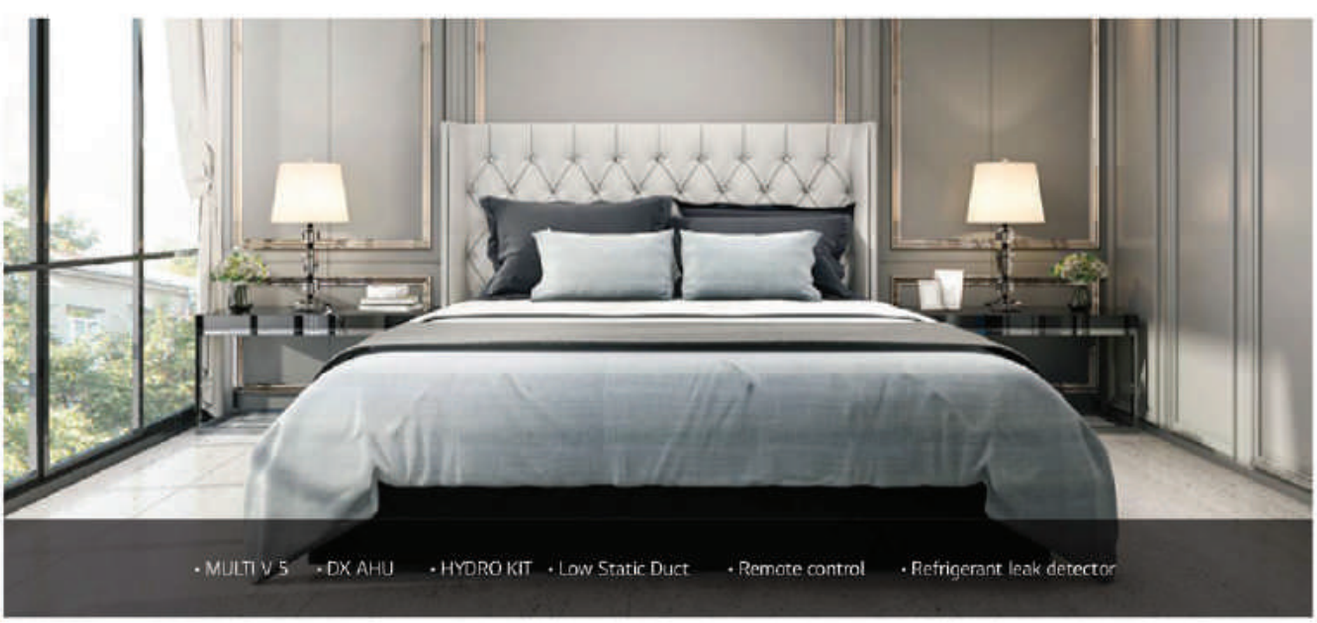
Condominium

Apartments

MULTI V 5 HR/HP with various IDU enables optimal solution, providing comfort to every space through individual zone control and hot water solution.

Hospitality

Meeting diverse needs

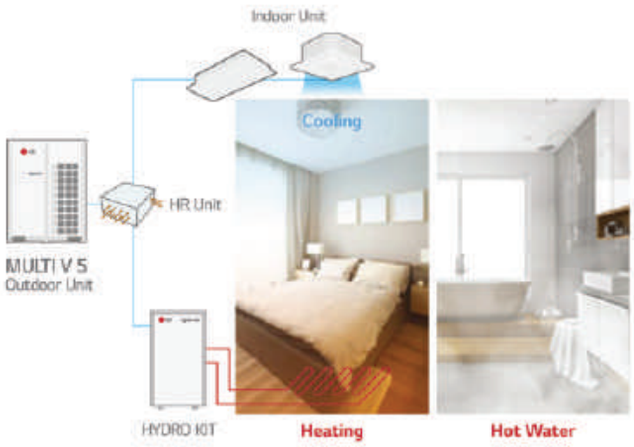


The diverse applications that can be applied to MULTI V 5 helps bring just the right solution to a sophisticated hotel business.

DIVERSE INTEGRATED SOLUTION

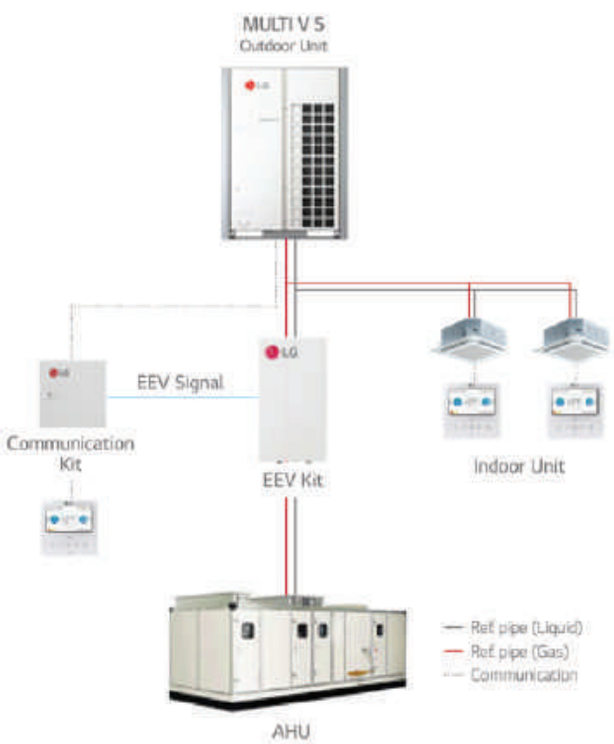
Hot Water Solution

Water heating costs can be reduced with a heat pump, which provides higher efficiency than a boiler system. The HYDRO KIT can be connected to MULTI V 5, providing temperatures up to 80°C. Energy savings can be maximized with the combination of the HYDRO KIT and the MULTI V 5 Heat Recovery system.



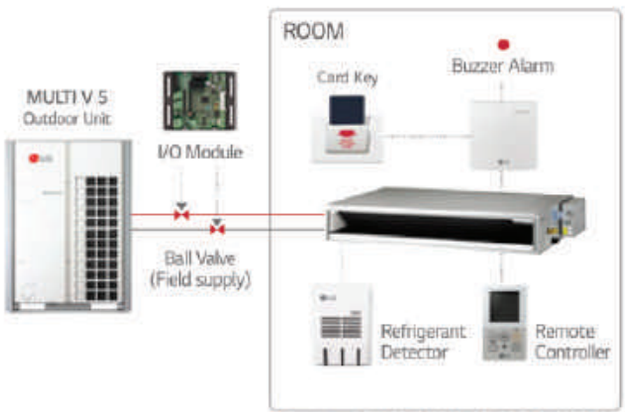
Air Handling Unit (AHU) Solution

AHU is a suitable solution for cooling and heating in large space. 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.



Refrigerant Leak Detection Solution

Real-time refrigerant leak detection ensures a safe environment. When refrigerant concentration exceeds 6,000ppm for 5 seconds, the indoor unit will stop operation and alert users with a buzzer or light switch (Dry contact option).



※ Regulation : EN378, BREEAM, ASHRAE Std. 15 & 34

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 to Excel.

Total Control of Any Device

In order to manage multiple spaces and multiple buildings, the administrators should be able to control systems from wherever they are. The LG central controller can be controlled from any web browser that supports HTML5. Now through the implementation of HTML5, the interface will look great and perform well on any device.

Management office
PC

Library
Tablet

Main administration building
Mobile

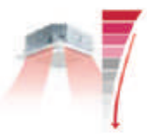
DIVERSE INTEGRATED SOLUTION

Energy Management Solution

Since HVAC systems use a significant portion of any building's total amount of energy, the energy saving functions of a controller can make a big difference. The energy navigation function enables you to set target values for energy consumption over a certain period of time. In addition, to achieve that value, the administrator can set the energy saving logic in 7 steps and predict the expected usage relative to the target value. Active self-management enables energy savings through out the building.

Compressor Capacity Control

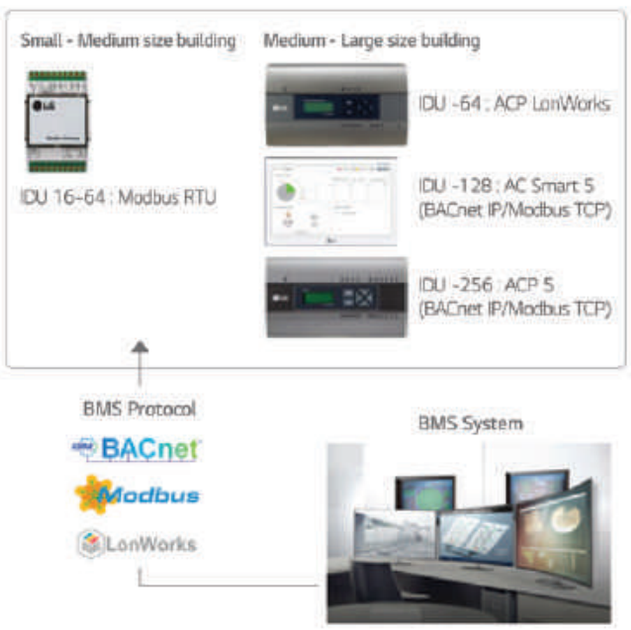
IDU Operation Ratio Control



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, and LonWorks. In addition, LG gateways include Stand-alone central control capability to act as a back-up controller of the BMS if needed.



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.

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 things like operation mode or current temperature.

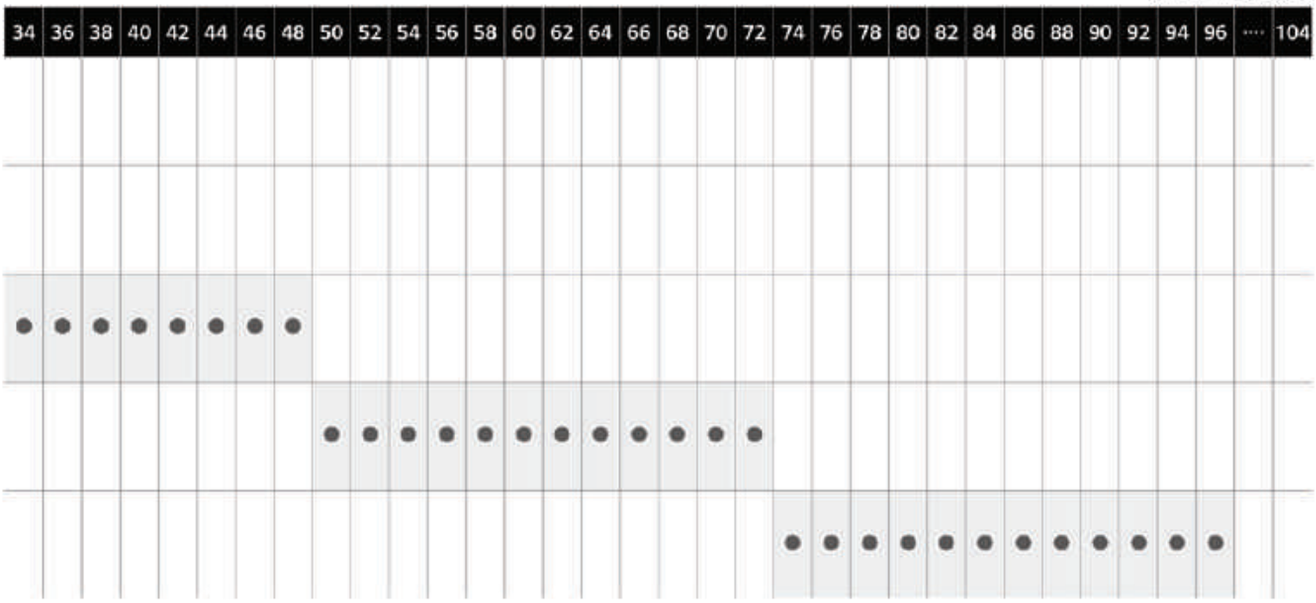
The indoor unit can be interlocked with various types of input such as card key-tag, door sensor, human detection sensor etc. so that the air conditioner is automatically operated. In addition, the dry contact option settings enable operation of air conditioner to maintain proper temperature when the 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.

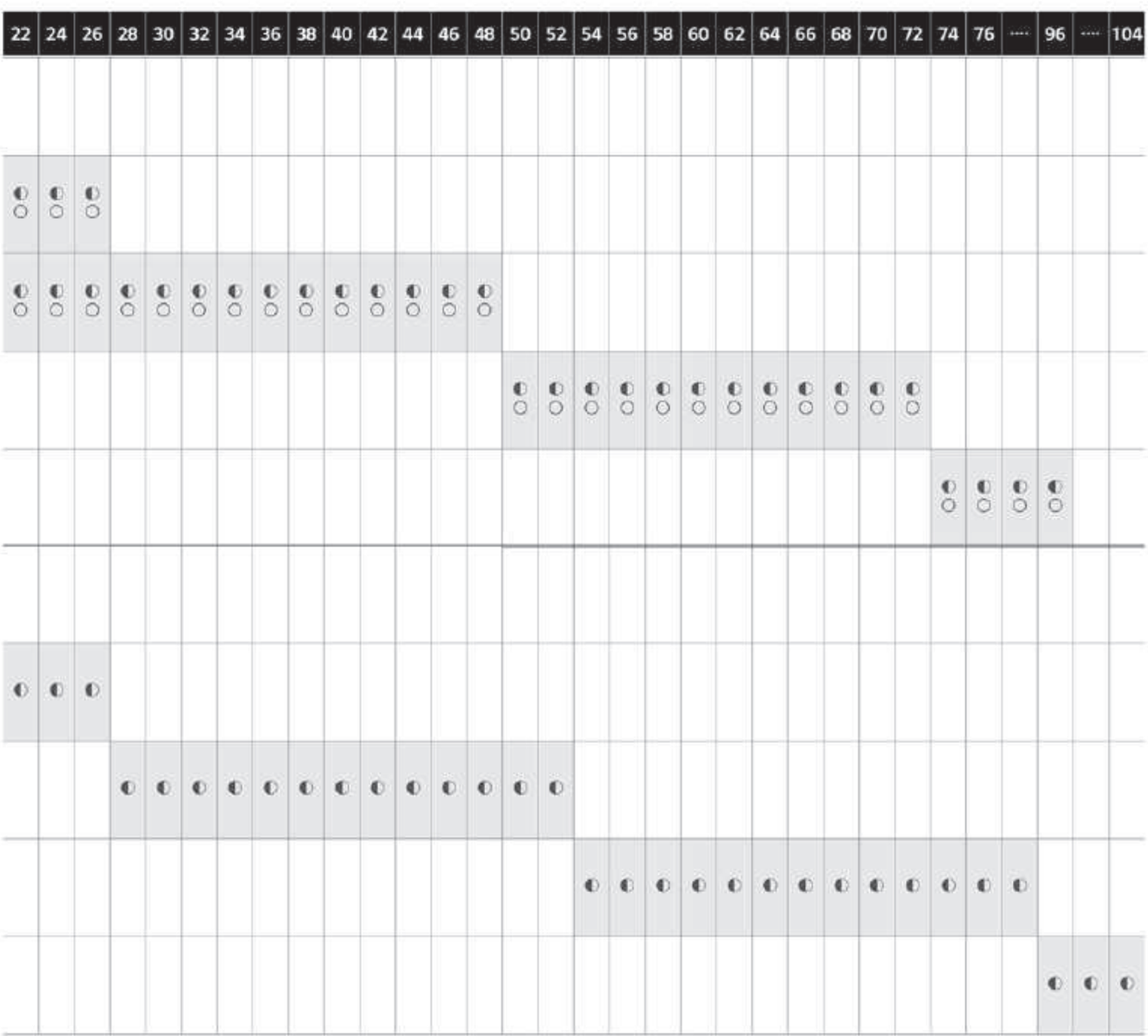
OUTDOOR UNITS LINE-UP

Features	Appearance	8	10	12	14	16	18	20	22	24	26	28	30	32
MULTI V 5 **HEAT RECOVERY** • Dual Sensing Control • Large capacity ODU (Up to 26HP) • Continuous Heating • Black Fin heat exchanger • Heat pump or heat recovery function • Flexible installation with heat recovery unit and large capacity • For large space, high rise building and individual control building		●	●	●										
					●	●	●	●	●	●	●			
									●	●	●	●	●	●

Features	Appearance	4	5	6	8	10	12	14	16	18	20
MULTI V 5 Heat Pump • Dual sensing control • Large capacity ODU (Up to 26HP) • Continuous Heating • Ocean black fin heat exchanger • Energy saving by heat recovery technology • Flexible installation with heat recovery unit and large capacity • For large space, high rise building and individual control building						◐ ○	◐ ○				
								◐ ○	◐ ○	◐ ○	◐ ○
MULTI V 5 Pro • Dual sensing control • Large capacity ODU (Up to 26HP) • Continuous Heating • Ocean black fin heat exchanger • Flexible installation with heat recovery unit and large capacity • For large space, high rise building and individual control building					◐	◐	◐	◐			
									◐	◐	◐

Unit: HP / ● 380 V, 3Ø

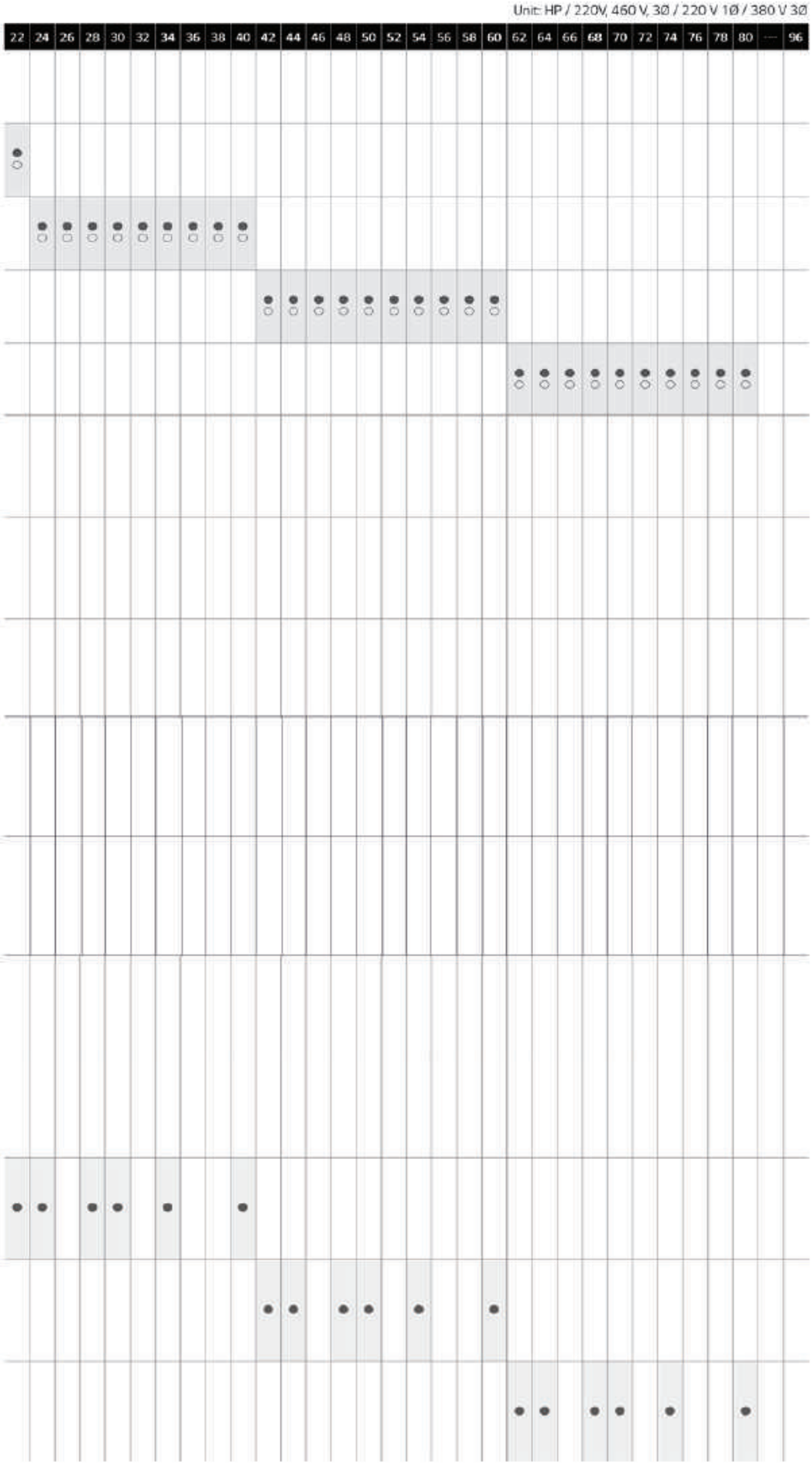




OUTDOOR UNITS LINE-UP

Features	Appearance	3	4	5	6	8	10	12	14	16	18	20
MULTI V 5 Cooling Only • Dual sensing control • Large capacity ODU (Up to 22RT) • Ocean black fin heat exchanger • For large space, high rise building and individual control building						● ○	● ○	● □	● ○	● ○	● ○	● ○
MULTI V S • Space saving • Flexible design applications - Slim, light, and broad range (4 ~ 12 HP) - Large number of connectable indoor units. (Up to 20 Units) • For small / medium building		○	○	○								
			●	○●	○●							
						●	◆	●				
MULTI V S Heat Pump • Saves floor space • Flexible design applications - Slim, light and wide line up (4 ~ 12HP) - Combination of indoor unit (Up to 20 Units) • For Small / Medium building with up to 20 rooms			◐ ○	◐ ○	◐ ○							
						◐ ○	◐ ○	◐ ○				
MULTI V S HEAT RECOVERY					○							
MULTI V WATER IV HEAT PUMP / HEAT RECOVERY • High efficiency system regardless external conditions • Indoor installation • Low noise operation (No fan) • For water-sourced system, high rise building and building with aesthetic requirements. • Simultaneous cooling and heating • Minimized energy cost by water sourced heat recovery system • For individual control building						●	●		●			●
										●	●	

Unit: HP / 220V, 460 V, 3Ø / 220 V 1Ø / 380 V 3Ø



INDOOR UNITS LINE-UP

Type	kW	1.5	2.2	2.8	3.6	4.5	5.6	6.2	7.1	8.2	9.0	10.6	12.3	14.1	15.8	17.5	22.4	28.0
	Btu/h	5k	7k	9k	12k	15k	18k	21k	24k	28k	30k	36k	42k	48k	54k	60k	76k	96k
4th generation Wall Mounted	Standard	●	●	●	●	●	●		●		●	●						
4th generation Ceiling Mounted Cassette	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	High Statics									●		●	●	●	●		●	●
	Mid Static		●	●	●	●	●		●									
	Low Statics	●	●	●	●	●	●	●	●									
4th generation Fresh Air Intake																	●	●
4th generation Ceiling Suspended							●		●			●		●				
4th generation Console			●	●	●	●												
4th generation Floor Standing	Floor Standing with Case		●	●	●	●	●		●									
4th generation HYDRO KIT	Low Temperature												●					●
	High Temperature												●				●	
4th generation Energy Recovery Ventilator with DX Coil	with Humidifier					●			●		●							
	without Humidifier					●			●		●							

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

INDOOR UNITS FEATURE OVERVIEW

Energy Monitoring	2 Set Point	Occupied / Unoccupied Scheduling Function	Group Control	Test Run (Cooling)	Test Run (Heating)	Model Information Monitoring	Auto Addressing	Refrigerant Leakage Detection	Thermo On / Off Range Setting (Cooling)	Thermo On / Off Range Setting (Heating)	Static Pressure 11 Step Control (Only for Ceiling Concealed Duct Type)	1 Point External Input (On / Off Control)	Filter Sign (Remaining Time)	Auto Restart Function Disable / Enable	Wi-Fi Ready
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●			●	●	●	●	●	●	●	●		●		●	●
●			●	●	●	●	●	●		●		●		●	●
			●	●	●		●	●				●	●	●	
			●	●	●		●	●				●	●	●	

LG HVAC CONTROL LINE-UP

INDIVIDUAL CONTROL

Wired Remote Controller

Standard

Standard III (White)

PREMTB100

Standard III (Black)

PREMTBB10

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

NEW

PWLSSB21H (H/P)

Wi-Fi Controller

LG Wi-Fi Modem

For Indoor Unit
PWFMDD200

CENTRALIZED CONTROL

Display

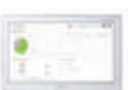
AC Ez

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

PACMSA000
(Indoor Unit -8,192)

Gateway

ACP LonWorks

PLNWKB000
(Indoor Unit -64)

Modbus RTU Gateway

PMBUSB00A

PI-485

For Indoor Unit (ERV)
PHNFP14A0

CENTRALIZED CONTROL	INTEGRATION DEVICE			
Facility Integrator	Indoor Unit		Outdoor Unit	AHU Kit
	Dry Contact	Control Accessory		
PDI (Power Distribution Indicator)  Premium (8 port) PQNUD1S40 Standard (2 port) PPWRD8000	 Simple Dry Contact PDRYCB000	Group Control Wire  PZCWRCG3	IO Module (Input / Output Module)  For MULTI V 5 PVDSMN000	Communication Kit  Return / Room Air control PAHCMR000
ACS IO Module (Input / Output Module)  PEXPMB000	 Dry Contact for Thermostat PDRYCB300	Remote Temperature Sensor  PQRSTA0	Variable Water Flow Control kit  For MULTI V WATER IV PWFCKN000	 Discharge / Supply Air control PAHCMS000
Chiller Option Kit  PCHLLN000	 Dry contact for Thermostat (For using universal input) NEW PDRYC B320	Low Profile Remote Temperature Button Sensor  ZRTBS01	Low Ambient Kit  For MULTI V IV, 5 PRVC2	Controller Module  Main module NEW PAHCNM000
ACU IO Module				
UIO  PEXPMB300	 2 Points Dry Contact (For Setback) PDRYCB400	Zone Controller  4 Zones by thermostat ABZCA	Cool / Heat Selector  PRDSBM	 Communication module NEW PAHCMC000
UO  PEXPMB200	 For Modbus PDRYCB500		Water Communication Module  NEW PAHCMW000	EEV Kit (Electronic Expansion Valve) PRLK048A0 (3 - 10 HP) PRLK096A0 (12 - 20 HP) PRLK396A0 (20 - 40 HP) PRLK594A0 (40 - 60 HP)
UI  PEXPMB100				TXV Kit (Thermal Expansion Valve)  PATX13A0E (8 - 16 HP) PATX20A0E (18 - 26 HP) PATX25A0E (28 - 36 HP) PATX35A0E (38 - 46 HP) PATX50A0E (48 - 56 HP)

OUTDOOR UNITS

MULTI V 5, HEAT RECOVERY
MULTI V 5 , HEAT PUMP
MULTI V 5 PRO, HEAT PUMP
MULTI V 5, COOLING ONLY
MULTI V S, COOLING ONLY, HEAT PUMP, HEAT RECOVERY
MULTI V IV, HEAT PUMP / HEAT RECOVERY

INNOVATIVE TECHNOLOGIES

Dual Sensing Smart Load Control (SLC)

Enhanced energy saving & increased indoor comfort

Cooling loads vary according to both temperature and humidity. With Dual Sensing SLC, work exerted to meet the load depends on both temperature and humidity. As a result, less capacity will be required in lower humidity conditions.

It influences the VRF system main processor's decision on where to set the system's target high or low system pressure values.

Smart Load Control responds to :

1) Outdoor ambient dry bulb temperature
2) Outdoor ambient relative humidity (when enabled)

Cooling Indoor Units - adjusts target low pressure

Raises the target low pressure value as cooling load falls and/or ambient temperature falls.
Lowers the target low pressure value as cooling load rises and/or ambient temperature rises.

Heating Indoor Units - adjusts target high pressure

Lowers the target high pressure as heating load falls and/or ambient temperature rises.
Raises the target high pressure as heating load rises and/or ambient temperature falls.

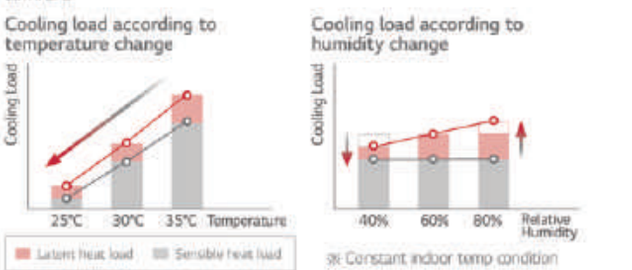
What are the benefits?

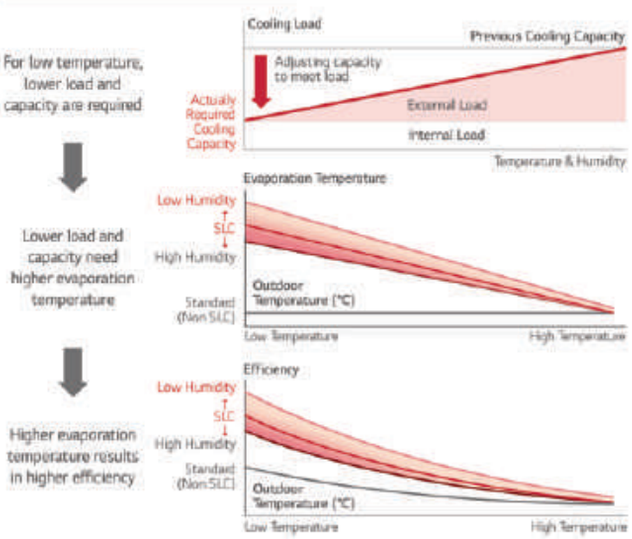
Enhanced energy savings

- Cooling Mode
  By raising the target low pressure during off-peak cooling operation, the compressor lift is reduced. This slows compressor's speed which leads to a decrease in compressor's power consumption.
- Heating Mode
  By lowering the target high pressure during off-peak heating operation, the compressor lift is reduced. This slows compressor's speed which leads to a decrease in compressor's power consumption.

Increased indoor comfort

Smart Load Control uses one (or two) sensors to measure changing outdoor weather conditions and prepares the VRF system for operation under the revised weather conditions before changing conditions impact indoor comfort.





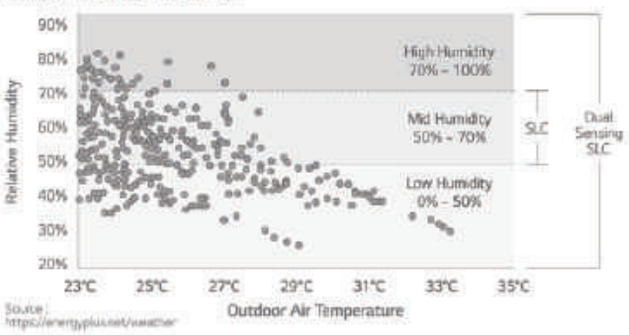
Energy Savings with Dual Sensing Control (Temperature & Humidity)

Case study

Weather characteristics of Warsaw, Poland

The portion of cooling operation hours at low humidity condition (Below 50% RH) is big. The cooling load of this condition is less than the load at standard (50 ~ 70% RH) or high (over 70% RH) humidity condition even in the same outdoor air temperature. MULTI V 5 raises the evaporating Temp up at low load (Low humidity) condition to enable energy saving and prevent over-cooling which can happen when the system is controlled only by using outdoor air Temp.

Warsaw weather in Summer



Source : https://energyplus.net/weather

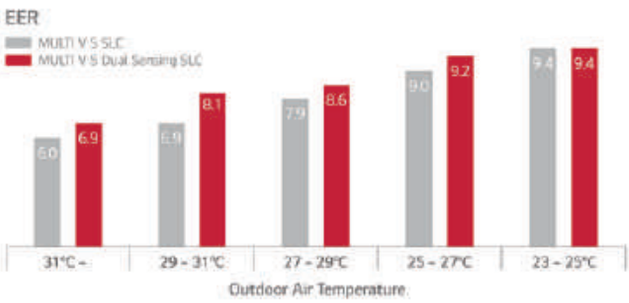
Time Portion of Relative Humidity in Summer (Warsaw, Poland)

RH (%)	Portion
70% ~ 100%	8%
50% ~ 70%	45%
0% ~ 50%	47%

Energy Consumption in Cooling Season

When we compared the energy consumption between SLC (Outdoor air Temp sensing only) and Dual sensing SLC (Outdoor air Temp and humidity sensing), Dual sensing SLC control can save 6% more energy compared to SLC. So dual sensing control is more efficient than SLC.

EER



※ This energy simulation was performed in LG internally based on 16HP model.

Power Consumption in Cooling Season

Yearly Power Input (kWh) - ODU

OAT	MV4 (Fixed)	MV5 SLC	MV5 Dual SLC
31 ~	17	15	13
29 ~ 31	91	73	62
27 ~ 29	183	136	124
25 ~ 27	243	170	165
23 ~ 25	155	110	109
Total	690 (137%)	503 (100%)	474 (94%)

6% more energy saving compared to SLC

INNOVATIVE TECHNOLOGIES

Comfort Cooling

Increased indoor comfort & enhanced operating efficiency

First reference use Indoor Unit (IDU) is operating in a season when its load is less than the design load, the comfort cooling algorithm controls the indoor unit's coil superheat, thus raising the discharged air temperature as the space temperature is approaching set point. MULTI V 5's comfort control algorithm monitors the outdoor air temperature and humidity conditions. When changing weather conditions are deteriorating and there is a high potential the indoor unit's load will remain stable or may increase, comfort cooling delays or abandons raising the target superheat as the room temperature approaches set-point. When changing weather conditions are favorable to raising target superheat, target superheat is moderated.

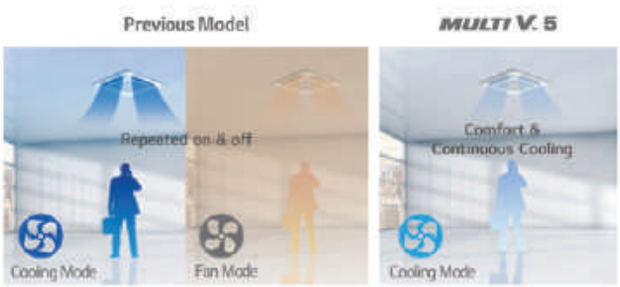
What are the benefits?

Increased indoor comfort

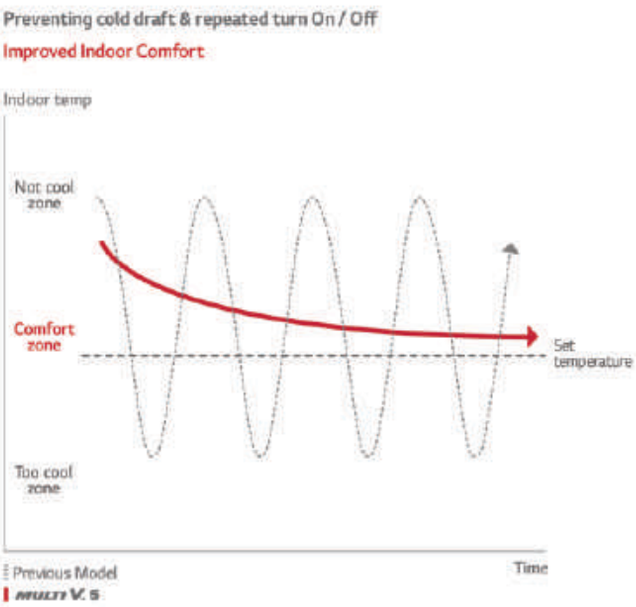
If comfort cooling is turned off, and the temperature of the leaving air is not raised, when the fan speed is reduced to low speed, there is a potential that occupants located directly under a cassette IDU or supply air registers could feel cold air falling on them resulting in a lower overall comfort experience. With comfort cooling turned on, the discharged air temperature is controlled. When the IDU controller reduces the fan speed, the potential for cold air falling on occupants located under the cassette IDU or supply air registers is reduced.

Enhanced operating efficiency

Raising superheat reduces refrigerant volume flowing through the coil. As flow decreases, demand on the compressor decreases and the compressor speed will be reduced, thus saving energy.



※ Indoor unit set up available with Standard III Remote Controller



Intelligent Defrost

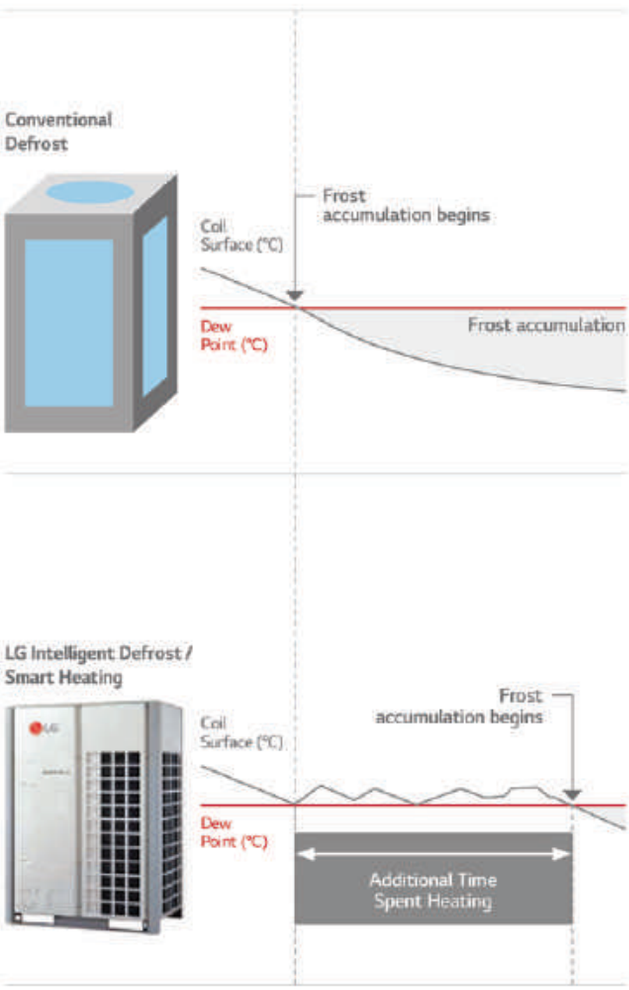
Increased heating run-hours

MULTI V has provided an intelligent defrost algorithm and settings based on current outdoor ambient temperature. With the addition of the outdoor air humidity sensor, MULTI V 5 Intelligent Defrost just got smarter.

MULTI V 5 computes the current ambient air dew point temperature - the temperature at which frost will form on the outdoor unit coil in during winter operation. MULTI V 5 makes continuous adjustments to the refrigeration cycle's operating parameters to keep the outdoor coil surface temperature above actual dew point which can be calculated by using dry bulb Temp and relative humidity. When the refrigeration cycle's operating parameters can be adjusted no further without sacrificing heating comfort, further adjustment is stopped and frost is allowed to build on the coil, therefore activating defrost.

What are the benefits?

The Intelligent Defrost algorithm increases the VRF system's heating run-hours and reduces the number of defrost cycles required to maintain optimum heating performance irrelevant of the mode and method of defrost selected.



※ Increased heating operation time per day : Up to 17%
- LG Internal Test result,
- Test condition (MULTI V 5 vs MULTI V IV, 22HP)
  - Outdoor : 2/1°C, Indoor : 20/15°C
  - Humidity : 83%, Dew Point : -0.5°C

INNOVATIVE TECHNOLOGIES

Variable Path Heat Exchanger

Optimized system efficiency & continuous heating

MULTI V 5 outdoor units (ODU) are manufactured with horizontally split ODU coil consisting of two independent circuit sections. Each half of the coil is independently controlled.

This split coil feature makes it possible for MULTI V 5 to provide continuous heating during defrost. The split coil and valve arrangement also makes it possible for the MULTI V 5 to change the flow path of refrigerant through one of the two coils only, or through both coils in either a series or parallel arrangement. Based on system pressures, ambient temperature conditions, and mode of operation, the system controller may modify the selected path at any time.

What are the benefits?

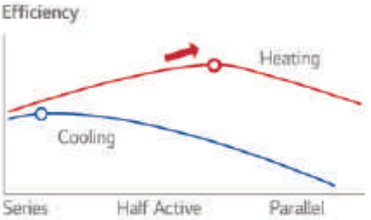
Optimizes system efficiency regardless of operating modes as ambient weather conditions change.
Customizes the used area of the outdoor unit's heat exchange surface.

Low ambient cooling and / or light building load
- Half active
- Lower idle

Full load cooling
- Upper & lower active
- Series circuited
- High velocity refrigerant flow

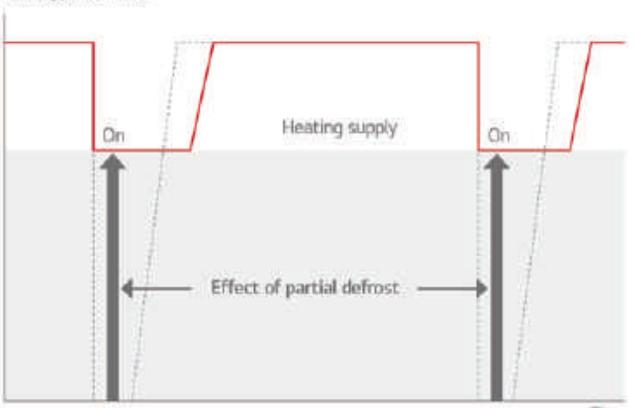
Heating - all conditions
- Upper & Lower active
- Parallel circuited
- Low velocity refrigerant flow

Efficiency



Continuous Heating

Heating performance



Non-Partial defrost
MULTI V 5

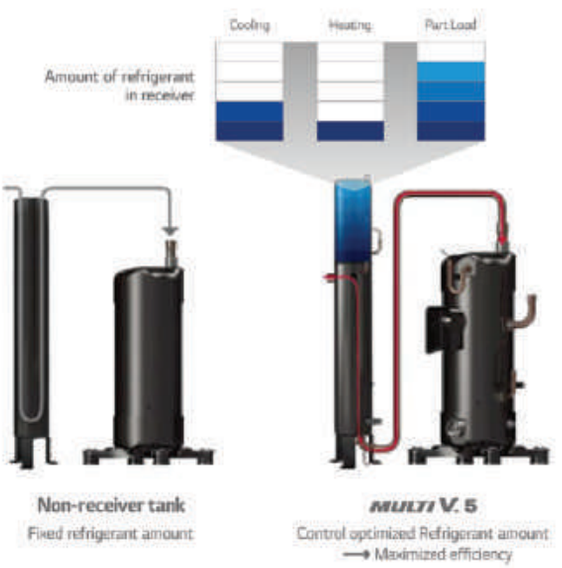
Active Refrigerant Control

Stable operation & sustaining most efficient operation

The accumulator in the outdoor unit has a storage tank mounted inside known as the receiver tank. The receiver tank is equipped with inlet and outlet valves that are electronically opened and closed. Refrigerant is being passed between the accumulator and the receiver tank on a continuous basis. MULTI V 5 active refrigerant control algorithm goal is to minimize the amount of refrigerant in circulation. The lower the volume in circulation the lower the cost to move it around the system and the higher the stability of the refrigeration cycle. It accomplishes this by constantly monitoring the system operating pressures and temperatures and a variety of other vital control metrics of the refrigeration cycle. When the cycle is out of balance, an adjustment in the amount of circulating refrigerant occurs.

What are the benefits?

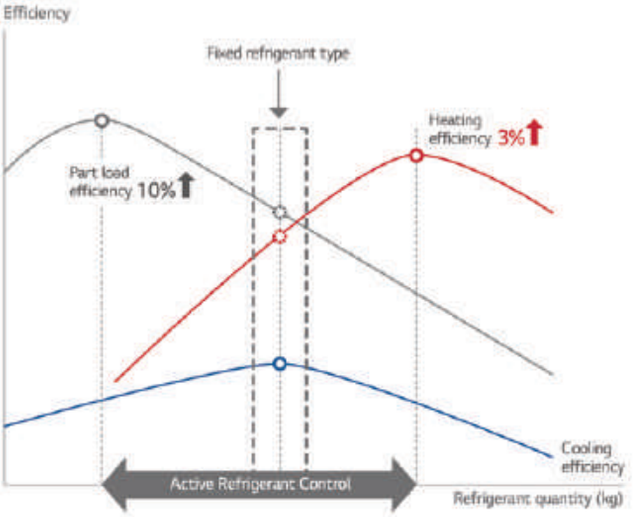
Widens the ambient temperature range at which stable operation occurs.
Sustains most efficient system operation regardless of outdoor weather conditions, operating mode, or building load.



Non-receiver tank
Fixed refrigerant amount

MULTI V. 5
Control optimized Refrigerant amount
→ Maximized efficiency

Efficiency



INNOVATIVE TECHNOLOGIES

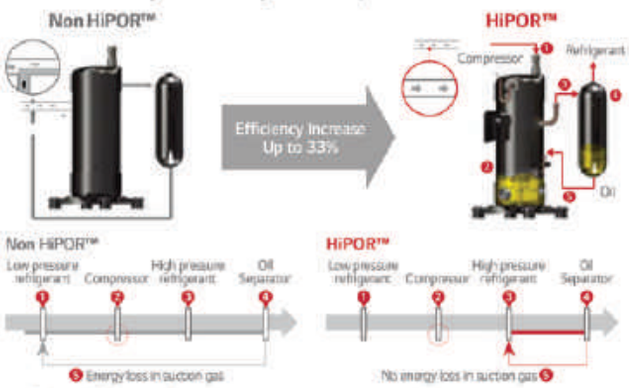
HiPOR™

Advanced compressor reliability & efficiency

HiPOR™ is an LG trademark that stands for High Pressure Oil Return. It consists of an oil separator, oil drain line between the separator and the compressor. HiPOR™ technology enables oil to return directly into the compressor, instead of returning through the refrigerant suction pipe. This prevents energy waste when oil flows between the separator and the compressor. Because the operating pressure in the chamber containing the oil sump of the compressor and the pressure in the oil separator are nearly equal, there is no loss in compressor efficiency.

What are the benefits?

Maximizes reliability and efficiency of the compressor.



- LG Internal Test result.
- Test condition - 15Hz Rating Condition : TC = 37.9°C, Te : 7.2°C

Smart Oil Management

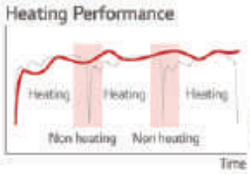
Energy saving, enhanced heating & increased compressor reliability

MULTI V 5 performs oil return when needed under normal operating conditions. An oil level sensor is provided in every LG VRF compressor. If the sensor indicates the compressor oil level is low, the main system processor is notified that an oil return cycle is necessary. Oil balancing cycle occurs every hour and does not hinder system performance. It balances the oil level deposit between both compressors in multi-compressor frames. Older VRF technology protects compressors from oil loss based on timed oil return logic because there was no way to know if the oil level in any one compressor was low. LG's unique oil level measuring sensor actively monitors the oil level in each compressor.

What are the benefits?

Energy savings : fewer oil return cycles eliminate unnecessary energy consumption.
Increases system heating run-time during winter operation.
Increases compressor reliability.

Heating Performance



Timed oil return logic (Non-oil Sensor)

MULTI V 5

Increased heating operation time per day : Up to 12%

- LG Internal Test result.
- Test condition
  - without oil level sensor : every 8 hour oil recovery operation
  - with oil level sensor : non oil recovery operation

Smart Oil Return

Auto Oil Balancing

Sub-cooling & Vapor Injection

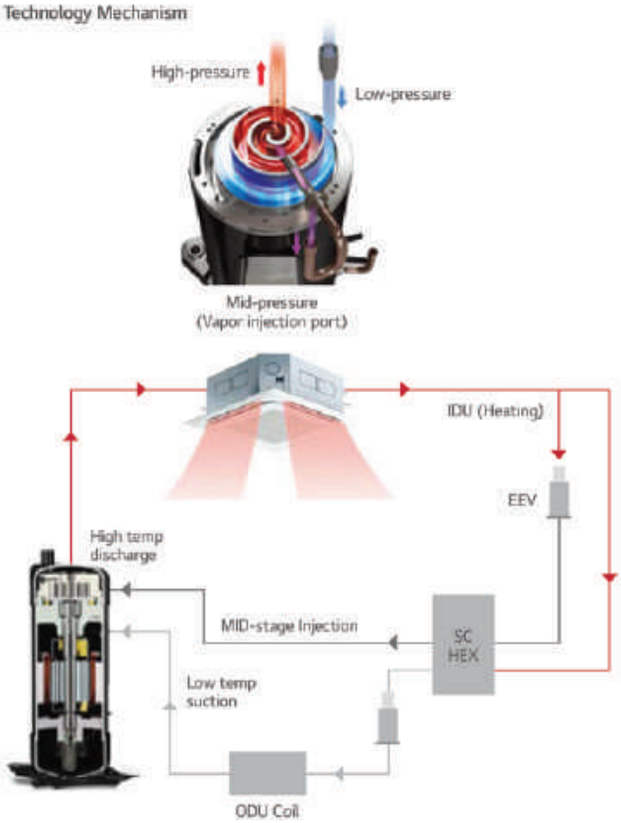
Increased heating performance

MULTI V 5 is equipped with advanced sub-cooler and vapor injection control system. The sub-cooler algorithm sub-cools liquid refrigerant just enough so that it can travel to the farthest IDU in the system operating in cooling mode without changing state. During low ambient operation down to -25°C (Heating mode), the sub-cooler provides medium temperature refrigerant gas to the compressor's vapor injection system. When injected into the compression chamber, system mass flow increases which stabilizes the system's suction pressure. In all cases the vapor injection increases the compressors cycle efficiency and reduces operating cost.

What are the benefits?

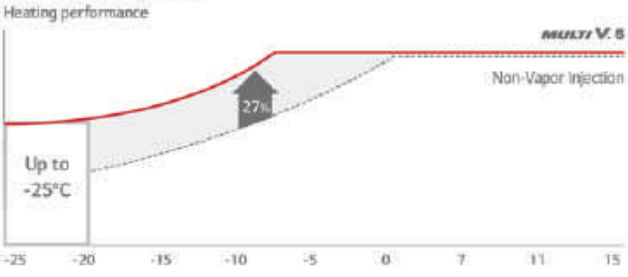
Provides stable refrigeration cycle operation over a wide range of outdoor ambient operating conditions.
Increases compressor efficiency when compared to systems without vapor injection technology.

Technology Mechanism



Performance Comparison

Heating performance



※ Improved heating performance by 27%.
※ Comparison tested on 10HP model.

INNOVATIVE TECHNOLOGIES

Corrosion Resistance Black Fin

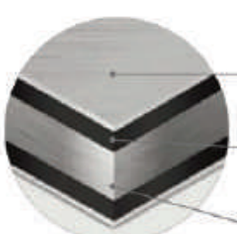
Improved durability

The black coating with enhanced epoxy resin is applied on the heat exchanger for strong protection from various corrosive external conditions such as salt contamination and air pollution.
Moreover, the hydrophilic film keeps water from accumulating on the heat exchanger's fin, minimizing moisture buildup and eventually making it even more corrosion resistant.
LG Corrosion Resistance solution passed ISO 21207 accelerated corrosion test conducted by an independent test organization and the result has been certified by prestigious global certification organization, TUV.

What are the benefits?

This improvement in durability prolongs the product's lifespan and lowers both the operational and maintenance costs.

※ Verification of corrosion resistance performance
- Declared by TUV Rheinland
- Test Method B of ISO21207
- Test condition : Salt contaminated condition + severe industrial/traffic environment(NO_2 / SO_2)



- **Hydrophilic film (Water flow)**
  The Hydrophilic coating minimizes moisture buildup on the fin.
- **Acryl + Epoxy + Melamine resin (Corrosion resistant)**
  The Black coating provides strong protection from corrosion.
- **Aluminum fin**

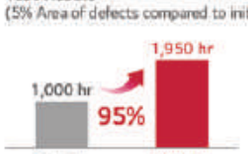
SST (Salt Spray Test)

Test Process

Process repeated

Test process is conducted according to ISO 9227.
1) Salty water concentration : NaCl aqueous solution (5%)

Test Result
(5% Area of defects compared to initial)



100% copper material to prevent corrosion & refrigerant leakage

CCT (Cyclic Corrosion Test)

Test Process

Process repeated

※ Test process is conducted according to ISO 14933.
1) Salty water concentration : NaCl aqueous solution (5%)
※ Dry condition changed : 60℃, 4hr → 70℃, 2hr
2) Deionized water

Test Result
(5% Area of defects compared to initial)

100% copper material to prevent corrosion & refrigerant leakage

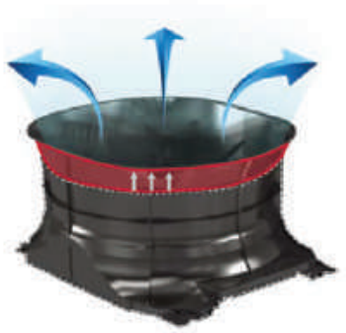
Biomimetic Fan

Maximized performance

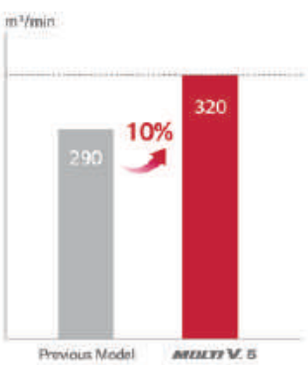
The fans in MULTI V 5's outdoor unit have been upgraded to feature a moire pattern similar to that of a clam shell's exterior that help with noise reduction. At the same time, unlike the fans installed in previous products that generate separation of flow due to absence of tubercles, the bumpy back design inspired by the bumps on the humpback whale's flipper is applied as the tubercles on the back side of the fans, increasing wind power by reducing flacking. In addition to the biomimetic technology-based fans, extended shroud of MULTI V 5 allows more high static pressure and helps fans to blow higher air volume for efficient operation. With wider air guide, discharged air current is stabilized and noise level is reduced.

What are the benefits?

Based on the biomimetic technology, the fans of MULTI V 5 increased air flow rate by 10% in comparison to previous model and reduced its power consumption up to 20% when compared with the fan blade design on MULTI V IV. This eventually results in maximized performance with large capacity.

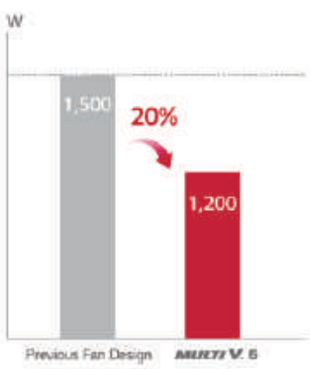


Air flow rate



※ Comparison based on 20HP model

Power consumption



※ Comparison based on air volume of 290m³/min

DESIGN FLEXIBILITY

One Unified Model

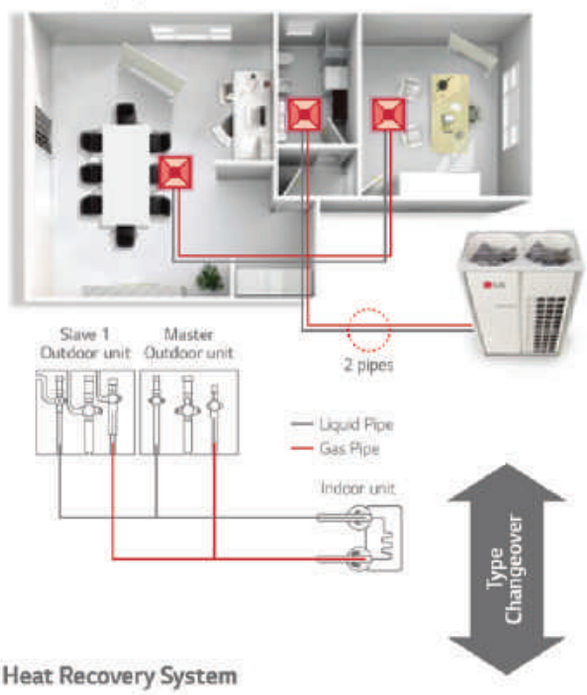
Heat pump / Heat recovery with one platform

LG MULTI V 5 satisfies users' various needs with just one platform. Heat Pump System works for the sites where either cooling or heating operation is needed, while Heat Recovery System fits perfectly to the sites wherein both the cooling and heating operations are simultaneously needed or locations installed with Hot Water Solution to provide hot water and heating via radiators.

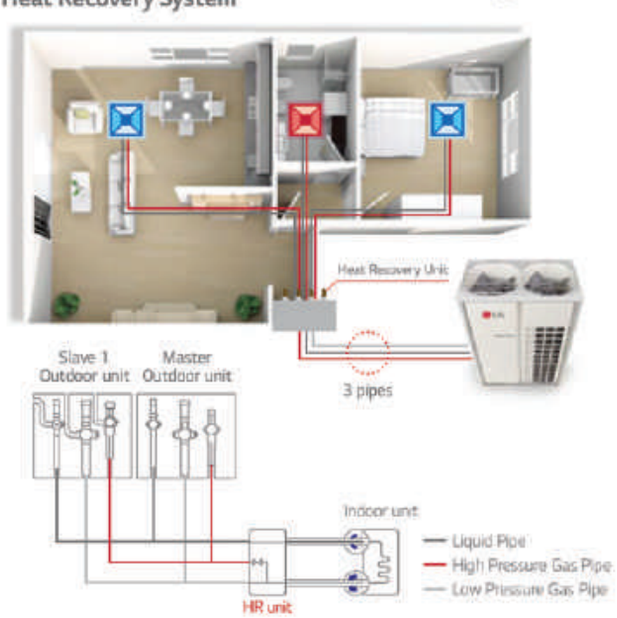
What are the benefits?

MULTI V 5 allows the building previously installed with Heat Pump system to switch to the Heat Recovery system (by adding HR boxes and a third pipe) for changing purpose of the building or remodeling reasons via simple piping construction.

Heat Pump System



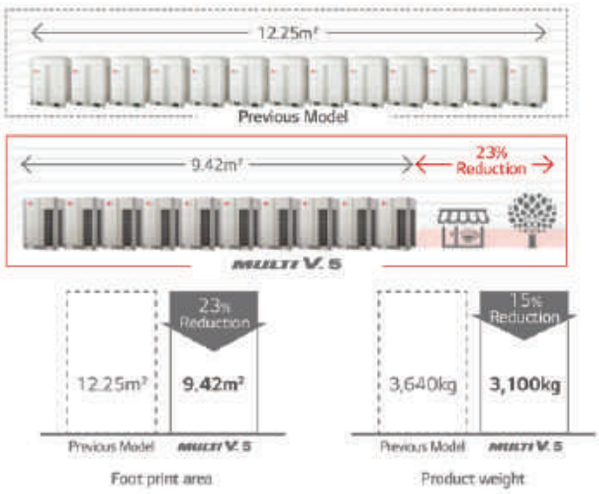
Heat Recovery System



Flexible Installation with Large Capacity Outdoor Units

More flexible design potential & space saving

Large capacity outdoor units of MULTI V 5 minimize installation space that spares valuable floor space and significantly decreases total installed weight. This gives users more flexible design potential and better use of the saved space.

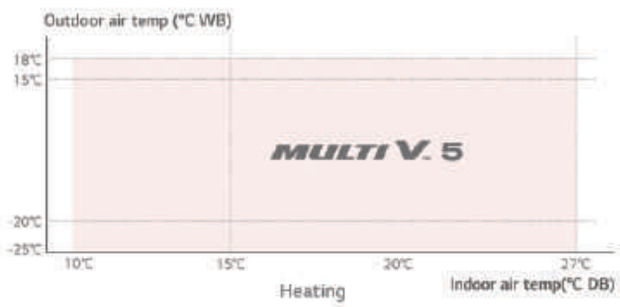


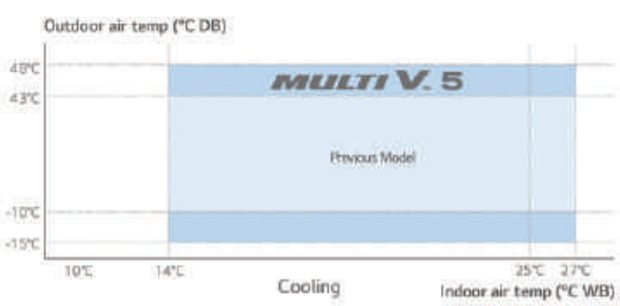
※ Comparison basis : 1 Rows of outdoor units 72BkW (72.8kW x 10sets) installation case

Wider Operation Range

Able to operate at extreme conditions

With improved inverter cooling technology, sub-cooling and vapor injection, MULTI V 5 offers an extended range of heating and cooling operations. It can perform normal heating operations at temperatures as low as -25°C. Cooling operations function at temperatures as low as -15°C or as high as 48°C, making it an adequate solution for specialized areas like technical rooms. Moreover, MULTI V 5's cycle technology with enhanced durability enables optimal cooling performance at high temperature that increases up to 48°C.





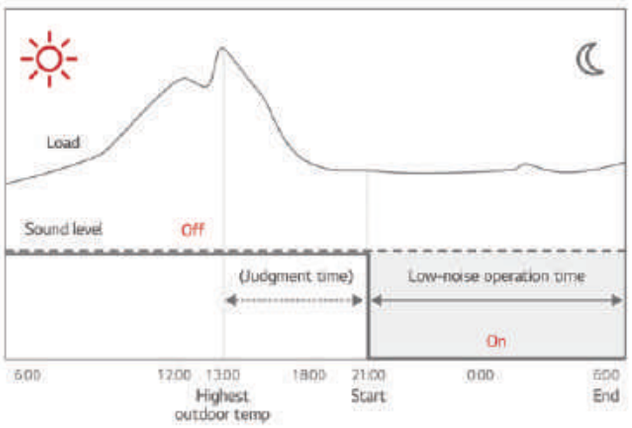
USER-FRIENDLY CONTROL

Low-Noise Operation

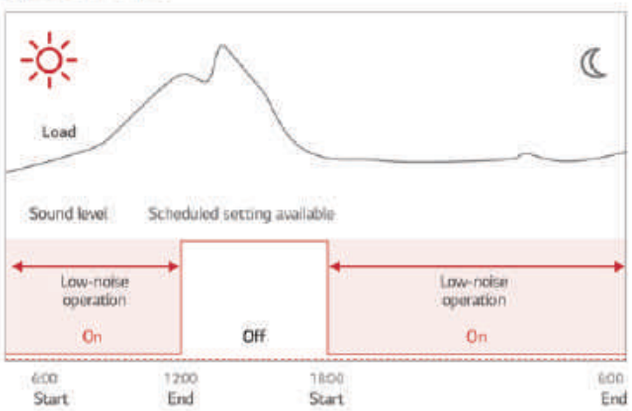
For noise sensitive environment

Unlike the previous model which enables Low-Noise Operation only during night after judgment time, the Low-Noise Operation of MULTI V 5 can function regardless of the time at the noise sensitive areas. When used, the speed of the outdoor unit fans is restricted during normal operation.

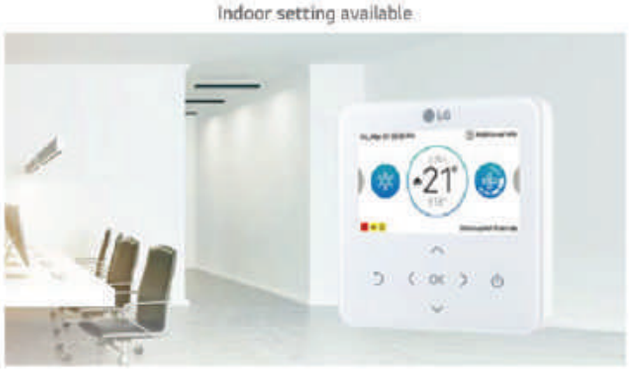
Previous Model



MULTI V 5



Indoor setting available



Simple Test Run via LGMV

Increased overall efficiency in installation

To make sure that the product functions properly, conducting a test run is recommended. For previous product, professional engineer who is well-aware of more than 40 different functional settings and more than 200 error codes had to check main parts in order to make sure that the test run had succeeded. With Mobile LGMV of MULTI V 5, fast and accurate auto test run can be executed and the professional installer running the test can receive test results via email, which shortens installation hours and increases overall efficiency in installation processes.

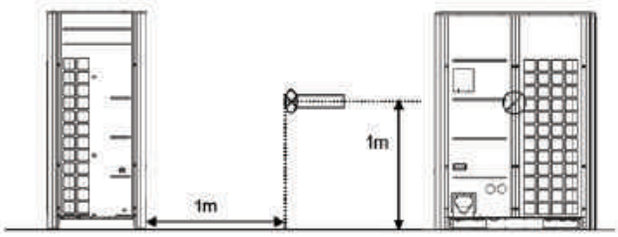
Previous

Wi-Fi MV Module

Cycle Monitoring | Diagnosis | Installation | Smart Management

LGMV

Position of Sound Pressure Level Measuring



- Data is valid at free field condition.
- Data is valid at nominal operating condition.
- 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.
- Sound level can be increased in static pressure mode or used air guide.

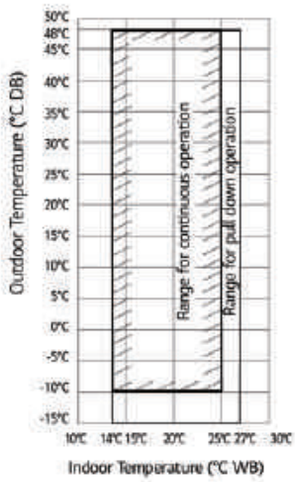
Outdoor Units Function

Category	Functions	MULTI V 5
Key Refrigerant Components	Variable Path of Outdoor Unit HEX	○
	HiPOR™ (High Pressure Oil Return)	○
	Humidity Sensor	○
	Corrosion Resistance Black Fin	○
	Oil Sensor	○
Useful Function	Dual Sensing	○
	Low Noise Operation	○
	High 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	○
Reliability	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)	ACP Lonworks	PLNWKB000
	ACP BACnet	PQNFB17C0
Installation	Refrigerant Charging Kit	PRAC1
	Variable Water Flow Valve Control Kit	-
PDI (Power Distribution Indicator)	Standard	PPWRDB000
	Premium	PQNUD1540
Cool / Heat Selector		PRDSBM
Low Ambient Kit		PRVC2
IO Module (ODU Dry Contact)		PVDSMN000
Cycle Monitoring Device	LGMV	PRCTIL0
	Mobile LGMV	PLGMVW100

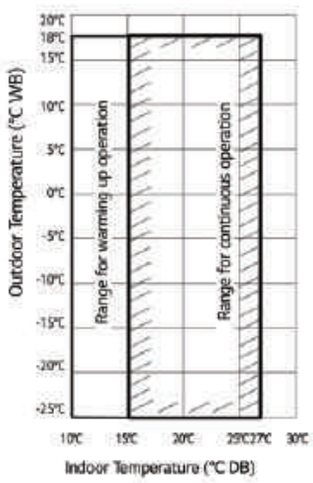
※ ○ : Applied, - : Not Applied

Cooling / Heating Operation

Cooling



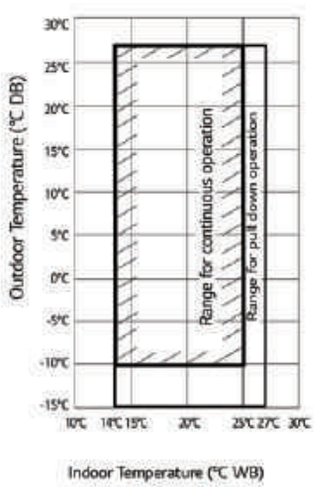
Heating



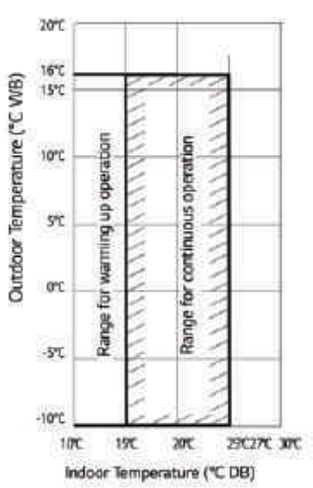
Note
1. These figures assume the following operating conditions :
   Equivalent piping length : 7.5m
   Level difference : 0m
2. Range of pull down operation :
   If the relative humidity is too high, cooling capacity can be decreased by the sensible heat reduction
3. Warming up operation means that the outdoor unit operates to reach the range of continuous operating, however it may not operate continuously due to safety or protection logic

Simultaneous Cooling / Heating Operation

Cooling



Heating



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

MULTI V 5 Q&A

Q1 What are the differences between MULTI V IV and MULTI V 5?

A1

Category		MULTI V IV H/P (ARUN***LTE4)	MULTI V 5 H/P & H/R (ARUM***LTE5)
Vapor Injection		○	○
HiPOR™		○	○
Smart Oil Control (Oil Level Sensor)		○	○
Active Refrigerant Control		○	○
Variable Heat Exchanger Circuit		○	○
Continuous Heating		○	○
Smart Load Control		○	○
Dual sensing (Humidity Sensor)		-	○
Comfort Cooling		○	○
Ocean Black Fin		-	○
Maximum Capacity (1 Unit / 4 Unit)		20 HP / 80 HP	26 HP / 96 HP
Height Difference (ODU - IDU / IDU - IDU)		110m / 40m	110m / 40m
Cooling Operating Range (OAT, °CDB)		-10 ~ 43	-15 ~ 48
Heating Operating Range (OAT, °CWB)		-25 ~ 18	-25 ~ 18
Combination ratio of IDU	1 Unit	50 ~ 200%	50 ~ 200%
	2 Unit	50 ~ 160%	50 ~ 160%
	3 or 4 Units	50 ~ 130%	50 ~ 130%

※ ○ : Applied, - : Not Applied

Q2 Can MULTI V 5 ODU be connected with the 2 series indoor unit?

A2 Yes, MULTI V 5 ODU can be connected with the 2 series indoor unit. In this case, the ODU DIP Switch No.3 should be "OFF" which is default setting. Refer to the below table.

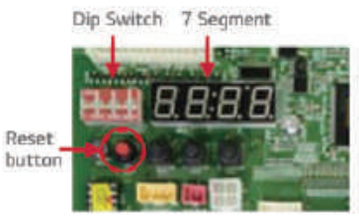
ODU	IDU	Compatibility	ODU DIP Switch No. 3	If dip switch setting is not correct	Ref.
MULTI V IV MULTI V 5	Gen. 2 (ARNU*2)	○	Must be OFF (factory default)	Can not communicate between Indoor & Outdoor unit (System will not be operated)	
	Gen. 4 (ARNU*4)	○	Must be ON to enable gen. 4 functions	When Dip Switch No.3 is OFF, System can be operated, but some function of Gen. 4 is not available	
	Gen. 2 + Gen. 4	○	Must be OFF (factory default)	When Dip Switch No.3 is ON, Can not communicate between Gen. 2 Indoor & Outdoor unit (Gen 2 units are not operated), only Gen 4 Units are operated	Some functions of Gen.4 are not available

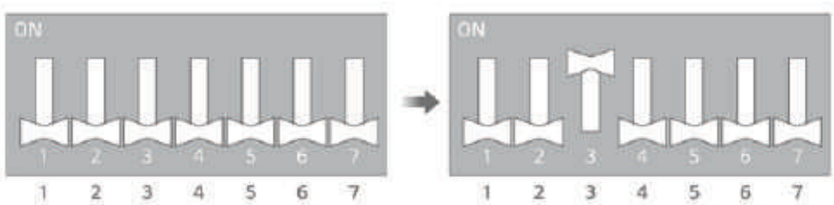
※ ○ : Applied, - : Not Applied

ODU dip switch setting procedure (No.3)

ODU main PCB dip switch is all "OFF" at default state

(1) Check and make sure that all connected indoor units are 4 series. (ARNU*******4)
(2) Change Dip switch No. 3 from OFF → ON
(3) Push the reset button.



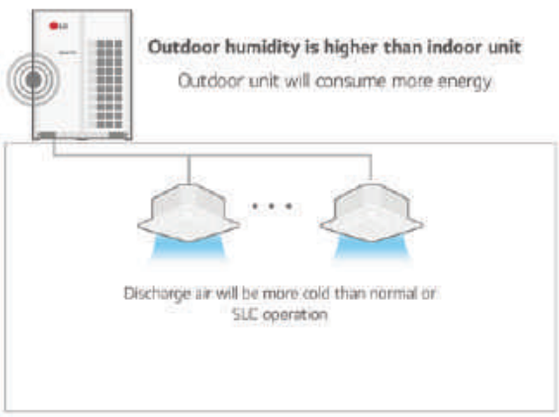


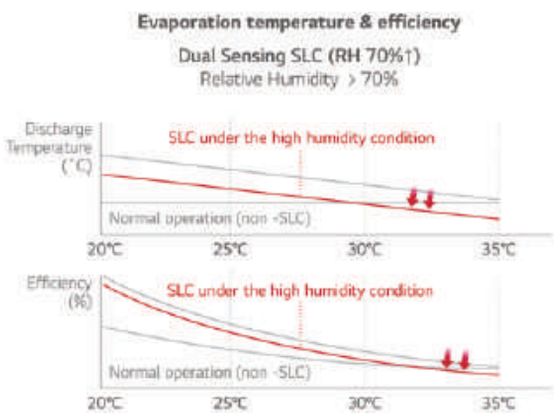
MULTI V 5 Q&A

Q3 How does MULTI V 5 operate when humidity reference of the dual sensing SLC is that of the outdoor?

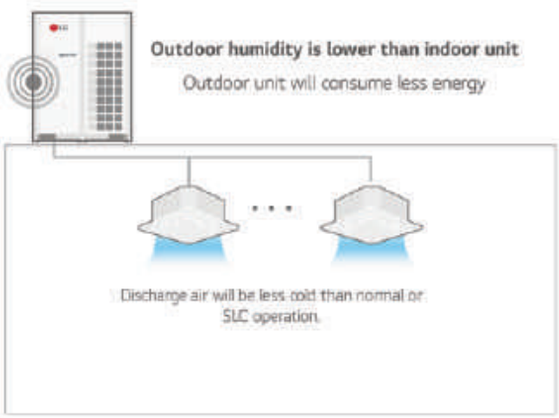
A3 During dual sensing SLC, outdoor unit changes target pressure of the system referring to temperature and humidity in cooling mode.

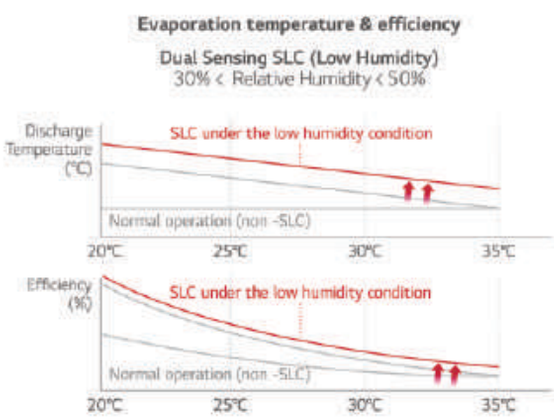
- When the humidity of outdoor side is higher than that of indoor side, outdoor unit will lower target pressure to remove humidity, thus outdoor unit will consume more energy and indoor will be more cooled compared to SLC operation but more efficiency than normal operation.



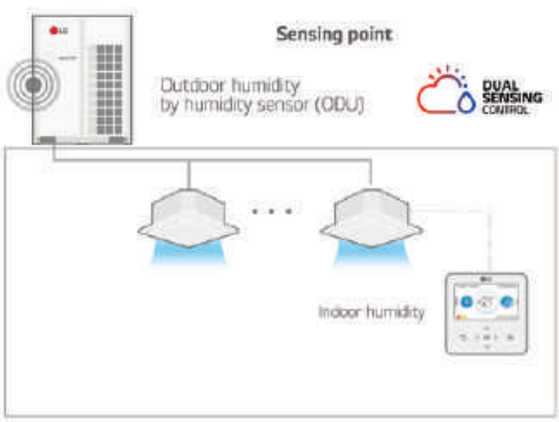


- When the humidity of outdoor side is lower than that of indoor side, outdoor unit will rise target pressure to save energy and keep comfort, but indoor humidity will be less removed compared to normal operation.



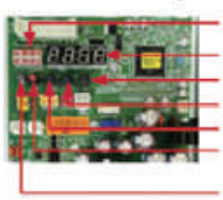


To maximize comfort and energy efficiency, the outdoor unit's humidity sensing can be turned off or a standard remote control can be installed to sense indoor humidity.



SLC Setting

CASE 1. Dual Sensing SLC with Outdoor humidity sensor in ODU Setting



Setting summary
DIP-SW01 #5 On
Func > Fn14 > Off, op1 ~ op3

CASE 2. Dual Sensing SLC with Indoor humidity sensor in New Standard R/C setting (PREMTB100)

Setting summary
Function>
Smart Load Control>
Off, op1 ~ op3

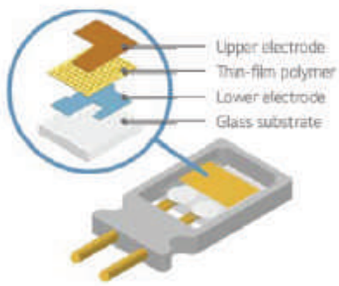
※ User can turn off humidity control in ODU Setting (humidity reference)
<Setting summary> ODU DIP-SW01 #5 On > Func > Fn16 > Off

MULTI V 5 Q&A

Q4 What is the principle and accuracy of humidity sensor?

A4 Total Tolerance (%) = Sensor measurement tolerance (%) + Location of sensor tolerance (%)

The capacitive measurement principle established and proved itself as a standard in the past. For this principle, the sensor element is built out of a capacitor. The dielectric is a polymer which absorbs or releases water proportional to the relative environmental humidity, and thus changes the capacitance of the capacitor. This change in capacitance can be measured by an electronic circuit. For humidity sensors with CMOSens® technology, a "micro-machined" finger electrode system with different protective and polymer cover layers forms the capacitance for the sensor chip, and, in addition to providing the sensor property, simultaneously protects the sensor from interference in ways previously not achieved.

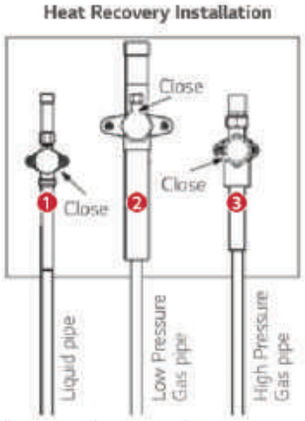


Model	Humidity Sensor of Outdoor	Humidity Sensor of R/Controller
Size (mm)	3 x 3 x 1.1	2.5 x 2.5 x 0.9
Supply voltage range	2.1 to 3.6 V	2.4 to 5.5 V
RH operating range	0 – 100% RH	0 – 100% RH
T operating range	-40 to +125°C (-40 to +257°F)	-40 to +125°C (-40 to +257°F)
RH response time	8 sec (tau 63%)	8 sec (tau 63%)

Q5 What is difference in refrigerant piping connection between heat pump and heat recovery?

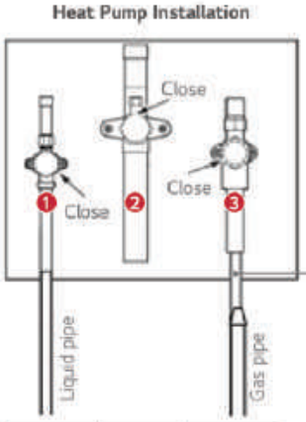
A5 From MULTI V 5, Low pressure gas pipe in heat pump operation changes to high pressure gas pipe in heat recovery operation due to internal cycle. So for heat pump cycle, no.1, 3 pipe should be connected and for heat recovery operation, No. 1, 2, 3 pipe is connected. (For the heat pump operation, DO NOT connect No.2 pipe)

Heat Recovery Installation



8HP	9.52	19.05	15.88
10HP	9.52	22.2	19.05
20HP	15.88	28.58	22.2

Heat Pump Installation



8HP	9.52	No Use	19.05
10HP	9.52	No Use	22.2
20HP	15.88	No Use	28.58

※ For using as Heat Pump, Reducer for Gas pipe should be used. Reducer is included in outdoor unit.

Reducer for Gas Pipe

15.88	→	19.05
19.05	→	22.2
22.2	→	28.58

MULTI V 5 Q&A

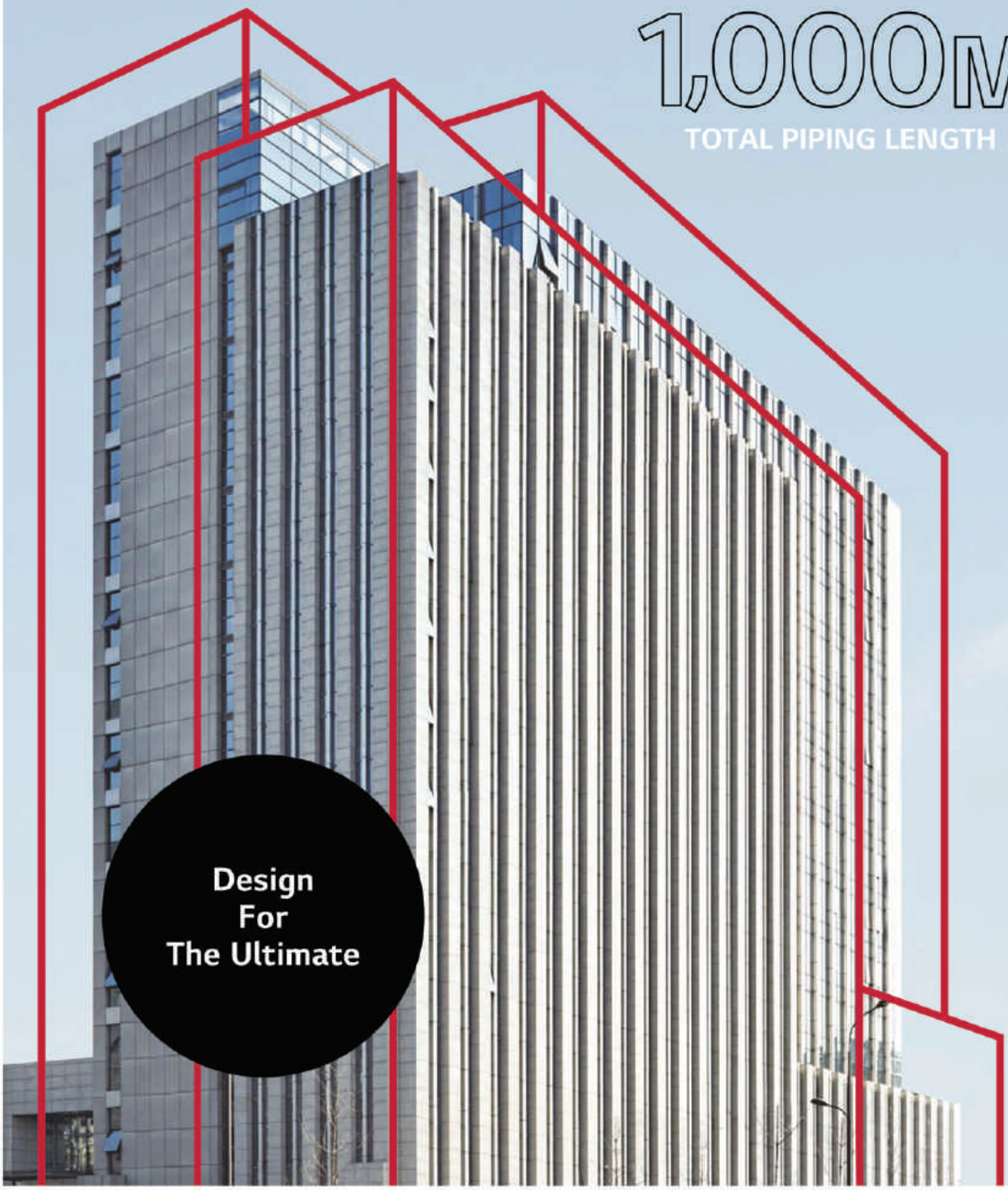
Other Questions

Item	Question	Answer
Fan	The static pressure of MULTI V 5 is max. 8 mmAq as MULTI V IV?	Yes, the static pressure of MULTI V 5 is the same as MULTI V IV.
Compressor	Is the limitation of Compressor max. Hz applied by the capacity of outdoor unit?	No, the limitation of comp Hz is not applied for default. But, it can be set by option for limitation of max. Hz (or current).
VI	In case of vapor injection, how much is the middle pressure?	The optimal middle pressure for vapor injection is 1.2 P_s*. *P_s : Suction pressure of compressor
VI	By how much is heating capacity increased by vapor injection?	Generally, the heating capacity is increased up to 15 ~ 20%
Humidity Sensor	Where is Indoor Humidity sensor?	It is placed inside of the RS3 remote controller.
Remote Controller	Does remote controller show the humidity information (Status) as well?	Yes, It shows the current humidity information on screen. (for RS3 Only) But has no function to control the humidity.
Remote Controller	Is it possible to connect the local humidity sensor with Remote controller (RS3)?	No. All of RS3 remote controller can not be connected with local humidity sensor.
SLC	Does dual sensing SLC function control the humidity ratio?	No. There is no control of humidity ratio.
SLC	Is SLC fully used on Eurovent? Isn't humidity fixed for the test? What about AHRI?	Eurovent (RH 47%) and AHRI (RH 51%) have fixed humidity test condition.
Comfort Cooling	Why is not the comfort heating applied in product?	Comfort cooling need super heating controlled and Comfort heating need sub cooling controlled. In case of controlling EEV for sub cooling, noise and stable operation may be affected and critical.
Installation	Does the IDU ~ Central controller direct connection for communication cable is possible? (Flat connection)	No, it is not possible.

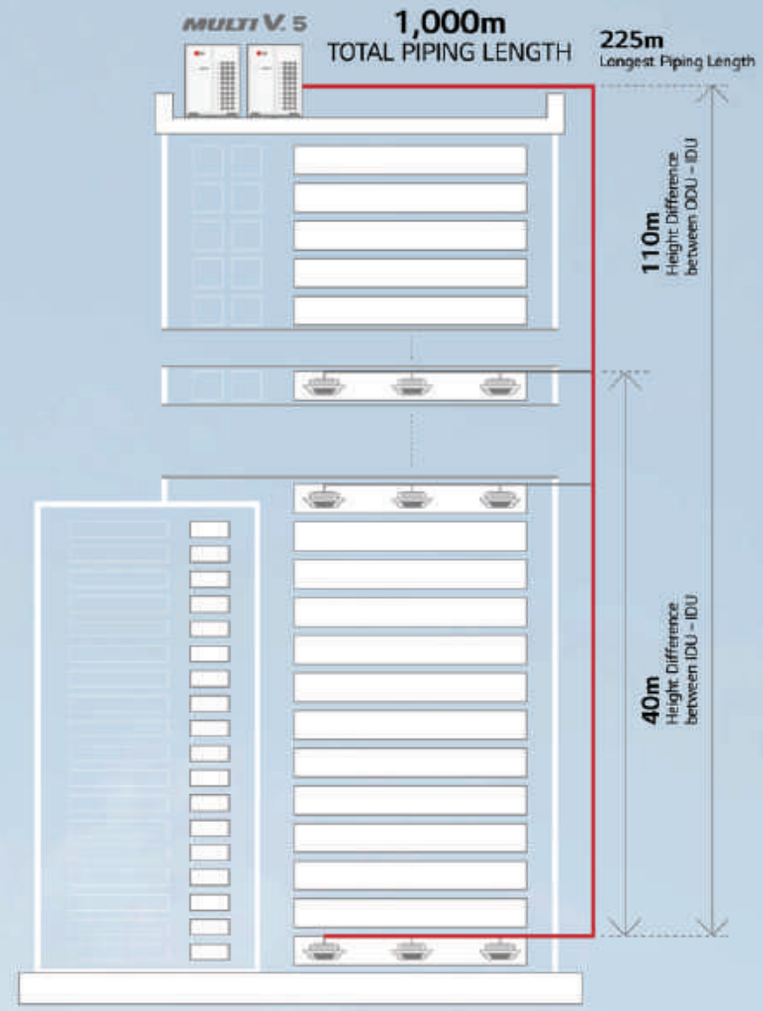
MULTI V™ 5 HEAT RECOVERY

- Air cooled VRF Heat Pump & Heat Recovery
- 22.4kW ~ 268.8kW (Cooling capacity based)
- 3Ø, 380 ~ 415V, 50Hz
- Top discharge outdoor unit
- Ability to function as Heat Pump or Heat Recovery

1,000M
TOTAL PIPING LENGTH



Design For The Ultimate



Energy savings

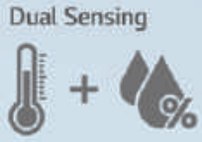
Reliability

Low noise

Advanced performance

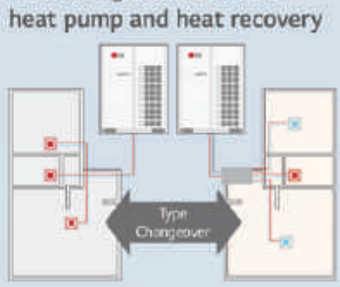
How does it work?

Dual Sensing



Partial Defrost

Interchangeable between heat pump and heat recovery



MULTI V 5 HEAT RECOVERY

ARUM080LTE5 / ARUM100LTE5
ARUM120LTE5 / ARUM140LTE5

HP			8	10	12	14
Model Name	Combination Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5	ARUM140LTE5
	Independent Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5	ARUM140LTE5
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6	39.2
	Heating (Rated)	kW	22.4	28.0	33.6	39.2
	Heating (Max)	kW	25.2	31.5	37.8	44.1
Input	Cooling (Rated)	kW	4.49	5.80	7.58	8.68
	Heating (Rated)	kW	3.97	4.92	6.85	8.13
	Heating (Max)	kW	4.78	5.92	8.26	9.72
EER			4.99	4.83	4.43	4.52
SEER			10.1	9.7	9.59	8.89
COP	Rated Capacity		5.64	5.69	4.91	4.82
	Max Capacity		5.27	5.32	4.58	4.54
SCOP			4.69	4.51	5.01	4.63
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 1	(Inverter) x 1	(Inverter) x 1	(Inverter) x 1
	Motor Output x Number	W x No.	4,200 x 1	5,300 x 1	5,300 x 1	5,300 x 1
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	3,900	3,900	3,900	3,900
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	1,200 x 1	1,200 x 1	1,200 x 1	900 x 2
	Air Flow Rate (High)	m^3/min x No.	240 x 1	240 x 1	240 x 1	320 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Low Pressure Gas Pipe	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø15.88 (5/8)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø22.2 (7/8)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Gas Pipe	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
Dimensions (W x H x D)		mm x No.	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x1
Dimensions (W x H x D) - Shipping		mm x No.	(960 x 1,825 x 796) x 1	(960 x 1,825 x 796) x 1	(960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1
Net Weight		kg x No.	198 x 1	215 x 1	215 x 1	237 x 1
Shipping Weight		kg x No.	208 x 1	225 x 1	225 x 1	250 x 1
Sound Pressure Level	Cooling	dB(A)	58.0	58.0	59.0	60.0
	Heating	dB(A)	59.0	59.0	60.0	61.0
Sound Power Level	Cooling	dB(A)	84.0	85.0	86.0	89.0
	Heating	dB(A)	87.0	88.0	89.0	93.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	7.5	9.5	9.5	13.5
	t-CO_2eq		15.7	19.8	19.8	28.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			13 (20)	16 (25)	20 (30)	23 (35)

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM160LTE5 / ARUM180LTE5
ARUM200LTE5 / ARUM220LTE5

HP			16	18	20	22
Model Name	Combination Unit		ARUM160LTE5	ARUM180LTE5	ARUM200LTE5	ARUM220LTE5
	Independent Unit		ARUM160LTE5	ARUM180LTE5	ARUM200LTE5	ARUM220LTE5
Capacity	Cooling (Rated)	kW	44.8	50.4	56.0	61.6
	Heating (Rated)	kW	44.8	50.4	56.0	61.6
	Heating (Max)	kW	50.4	56.7	63.0	69.3
Input	Cooling (Rated)	kW	10.89	10.91	12.77	15.70
	Heating (Rated)	kW	10.28	10.12	12.20	14.15
	Heating (Max)	kW	12.39	11.94	14.69	16.76
EER			4.11	4.62	4.39	3.92
SEER			8.38	8.23	8.05	7.51
COP	Rated Capacity		4.36	4.98	4.59	4.35
	Max Capacity		4.07	4.75	4.29	4.13
SCOP			4.83	4.0	3.98	3.9
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 1	(Inverter) x 2	(Inverter) x 2	(Inverter) x 2
	Motor Output x Number	W x No.	5,300 x 1	(5,300 x 1) + (4,200 x 1)	(5,300 x 1) + (4,200 x 1)	(5,300 x 1) + (4,200 x 1)
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	3,900	5,200	5,200	5,200
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	900 x 2	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m^3/min x No.	320 x 1	320 x 1	320 x 1	320 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Low Pressure Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø28.58 (1-1/8)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1
Net Weight		kg x No.	237 x 1	300 x 1	300 x 1	300 x 1
Shipping Weight		kg x No.	250 x 1	312 x 1	312 x 1	312 x 1
Sound Pressure Level	Cooling	dB(A)	60.5	61.0	62.0	64.5
	Heating	dB(A)	61.5	62.0	64.5	65.5
Sound Power Level	Cooling	dB(A)	90.0	92.0	93.0	93.0
	Heating	dB(A)	94.0	95.0	96.0	97.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.5	16.0	16.0	16.0
	t-CO_2eq		28.2	33.4	33.4	33.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			26 (40)	29 (45)	32 (50)	35 (56)

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM240LTE5 / ARUM260LTE5
ARUM221LTE5 / ARUM241LTE5

HP			24	26	22'	24'
Model Name	Combination Unit		ARUM240LTE5	ARUM260LTE5	ARUM221LTE5	ARUM241LTE5
	Independent Unit		ARUM240LTE5	ARUM260LTE5	ARUM120LTE5 ARUM100LTE5	ARUM120LTE5 ARUM120LTE5
Capacity	Cooling (Rated)	kW	67.2	72.8	61.6	67.2
	Heating (Rated)	kW	67.2	67.2	61.6	67.2
	Heating (Max)	kW	74.3	74.3	69.3	75.6
Input	Cooling (Rated)	kW	17.40	20.20	13.38	15.16
	Heating (Rated)	kW	15.89	15.99	11.77	13.70
	Heating (Max)	kW	18.80	19.15	14.18	16.52
EER			3.86	3.60	4.60	4.43
SEER			7.88	7.55	-	-
COP	Rated Capacity		4.23	4.20	5.23	4.91
	Max Capacity		3.95	3.88	4.89	4.58
SCOP			4.34	4.34	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 2	(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	5,300 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	5,200	5,200	7,800	7,800
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	900 x 2	900 x 2	(1,200 x 1) + (1,200 x 1)	(1,200 x 1) + (1,200 x 1)
	Air Flow Rate (High)	m³/min x No.	320 x 1	320 x 1	(240 x 1) + (240 x 1)	(240 x 1) + (240 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø15.88 (5/8)	Ø19.05 (3/4)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Low Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø28.58 (1-1/8)	Ø34.9 (1-3/8)
	High Pressure Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø15.88 (5/8)	Ø19.05 (3/4)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø28.58 (1-1/8)	Ø34.9 (1-3/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1	(960 x 1,825 x 796) x 1 + (960 x 1,825 x 796) x 1	(960 x 1,825 x 796) x 1 + (960 x 1,825 x 796) x 1
Net Weight		kg x No.	310 x 1	310 x 1	(215 x 1) + (215 x 1)	(215 x 1) + (215 x 1)
Shipping Weight		kg x No.	320 x 1	320 x 1	(225 x 1) + (225 x 1)	(225 x 1) + (225 x 1)
Sound Pressure Level	Cooling	dB(A)	65.0	65.0	61.5	62.0
	Heating	dB(A)	67.0	67.0	62.5	63.0
Sound Power Level	Cooling	dB(A)	95.0	95.0	88.5	89.0
	Heating	dB(A)	99.0	99.0	91.5	92.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	17.0	17.0	19.0	19.0
	t-CO_2eq		35.5	35.5	39.7	39.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			39 (61)	42 (64)	35 (44)	39 (48)

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM261LTE5 / ARUM280LTE5
ARUM300LTE5 / ARUM320LTE5

HP			26'	28	30	32
Model Name	Combination Unit		ARUM261LTE5	ARUM280LTE5	ARUM300LTE5	ARUM320LTE5
	Independent Unit		ARUM140LTE5 ARUM120LTE5	ARUM160LTE5 ARUM120LTE5	ARUM180LTE5 ARUM120LTE5	ARUM200LTE5 ARUM120LTE5
Capacity	Cooling (Rated)	kW	72.8	78.4	84.0	89.6
	Heating (Rated)	kW	72.8	78.4	84.0	89.6
	Heating (Max)	kW	81.9	88.2	94.5	100.8
Input	Cooling (Rated)	kW	16.26	18.47	18.49	20.35
	Heating (Rated)	kW	14.98	17.13	16.97	19.05
	Heating (Max)	kW	17.98	20.65	20.20	22.95
EER			4.48	4.24	4.54	4.40
SEER			-	-	-	-
COP	Rated Capacity		4.86	4.58	4.95	4.70
	Max Capacity		4.56	4.27	4.68	4.39
SCOP			-	-	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 2	(Inverter) x 2	(Inverter) x 3	(Inverter) x 3
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)	(5,300 x 2) + (4,200 x 1)
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	7,800	7,800	9,100	9,100
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate (High)	m³/min x No.	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
	High Pressure Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 1 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1 + (960 x 1,825 x 796) x 1
Net Weight		kg x No.	(237 x 1) + (215 x 1)	(237 x 1) + (215 x 1)	(300 x 1) + (215 x 1)	(300 x 1) + (215 x 1)
Shipping Weight		kg x No.	(250 x 1) + (225 x 1)	(250 x 1) + (225 x 1)	(312 x 1) + (225 x 1)	(312 x 1) + (225 x 1)
Sound Pressure Level	Cooling	dB(A)	62.5	62.8	63.1	63.8
	Heating	dB(A)	63.5	63.8	64.1	65.8
Sound Power Level	Cooling	dB(A)	90.8	91.5	93.0	93.8
	Heating	dB(A)	94.5	95.2	96.0	96.8
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	23.0	23.0	25.5	25.5
	t-CO_2eq		48.0	48.0	53.2	53.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			42 (52)	45 (56)	49 (60)	52 (64)

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM340LTE5 / ARUM360LTE5
ARUM380LTE5 / ARUM400LTE5

HP			34	36	38	40
Model Name	Combination Unit		ARUM340LTE5	ARUM360LTE5	ARUM380LTE5	ARUM400LTE5
	Independent Unit		ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM120LTE5	ARUM240LTE5 ARUM140LTE5	ARUM240LTE5 ARUM160LTE5
Capacity	Cooling (Rated)	kW	95.2	100.8	106.4	112.0
	Heating (Rated)	kW	95.2	100.8	106.4	112.0
	Heating (Max)	kW	107.1	112.1	118.4	124.7
Input	Cooling (Rated)	kW	23.28	24.98	26.08	28.29
	Heating (Rated)	kW	21.00	22.74	24.02	26.17
	Heating (Max)	kW	25.02	27.06	28.52	31.19
EER			4.09	4.04	4.08	3.96
SEER			-	-	-	-
COP	Rated Capacity		4.53	4.43	4.43	4.28
	Max Capacity		4.28	4.14	4.15	4.00
SCOP			-	-	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 3	(Inverter) x 3	(Inverter) x 3	(Inverter) x 3
	Motor Output x Number	W x No.	(5,300 x 2) + (4,200 x 1)	5,300 x 3	5,300 x 3	5,300 x 3
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	9,100	9,100	9,100	9,100
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	900 x 4	900 x 4
	Air Flow Rate (High)	m³/min x No.	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	320 x 2	320 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 1 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 1 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 2	(1,280 x 1,825 x 796) x 2
Net Weight		kg x No.	(300 x 1) + (215 x 1)	(310 x 1) + (215 x 1)	(310 x 1) + (237 x 1)	(310 x 1) + (237 x 1)
Shipping Weight		kg x No.	(312 x 1) + (225 x 1)	(320 x 1) + (225 x 1)	(320 x 1) + (250 x 1)	(320 x 1) + (250 x 1)
Sound Pressure Level	Cooling	dB(A)	65.6	66.0	66.2	66.3
	Heating	dB(A)	66.6	67.8	68.0	68.1
Sound Power Level	Cooling	dB(A)	93.8	95.5	96.0	96.2
	Heating	dB(A)	97.6	99.4	100.0	100.2
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	25.5	26.5	30.5	30.5
	t-CO_2eq		53.2	55.3	63.7	63.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units 1)			55 (64)	58 (64)	61 (64)	64

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM420LTE5 / ARUM440LTE5
ARUM460LTE5 / ARUM480LTE5

HP			42	44	46	48
Model Name	Combination Unit		ARUM420LTE5	ARUM440LTE5	ARUM460LTE5	ARUM480LTE5
	Independent Unit		ARUM240LTE5 ARUM180LTE5	ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM220LTE5	ARUM240LTE5 ARUM240LTE5
Capacity	Cooling (Rated)	kW	117.6	123.2	128.8	134.4
	Heating (Rated)	kW	117.6	123.2	128.8	134.4
	Heating (Max)	kW	131.0	137.3	143.6	148.5
Input	Cooling (Rated)	kW	28.31	30.17	33.10	34.80
	Heating (Rated)	kW	26.01	28.09	30.04	31.78
	Heating (Max)	kW	30.74	33.49	35.56	37.60
EER			4.15	4.08	3.89	3.86
SEER			-	-	-	-
COP	Rated Capacity		4.52	4.39	4.29	4.23
	Max Capacity		4.26	4.10	4.04	3.95
SCOP			-	-	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Motor Output x Number	W x No.	(5,300 x 3) + (4,200 x 1)	(5,300 x 3) + (4,200 x 1)	(5,300 x 3) + (4,200 x 1)	5,300 x 4
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	10,400	10,400	10,400	10,400
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	900 x 4	900 x 4	900 x 4	900 x 4
	Air Flow Rate (High)	m³/min x No.	320 x 2	320 x 2	320 x 2	320 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 2	(1,280 x 1,825 x 796) x 2	(1,280 x 1,825 x 796) x 2	(1,280 x 1,825 x 796) x 2
Net Weight		kg x No.	(310 x 1) + (300 x 1)	(310 x 1) + (300 x 1)	(310 x 1) + (300 x 1)	310 x 2
Shipping Weight		kg x No.	(320 x 1) + (312 x 1)	(320 x 1) + (312 x 1)	(320 x 1) + (312 x 1)	320 x 2
Sound Pressure Level	Cooling	dB(A)	66.5	66.8	67.8	68.0
	Heating	dB(A)	68.2	68.9	69.3	70.0
Sound Power Level	Cooling	dB(A)	96.8	97.1	97.1	98.0
	Heating	dB(A)	100.5	100.8	101.1	102.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.0	33.0	33.0	34.0
	t-CO_2eq		68.9	68.9	68.9	71.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			64	64	64	64

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM500LTE5 / ARUM520LTE5
ARUM540LTE5 / ARUM560LTE5

HP			50	52	54	56
Model Name	Combination Unit		ARUM500LTE5	ARUM520LTE5	ARUM540LTE5	ARUM560LTE5
	Independent Unit		ARUM240LTE5 ARUM140LTE5 ARUM120LTE5	ARUM240LTE5 ARUM160LTE5 ARUM120LTE5	ARUM240LTE5 ARUM180LTE5 ARUM120LTE5	ARUM240LTE5 ARUM200LTE5 ARUM120LTE5
Capacity	Cooling (Rated)	kW	140	145.6	151.2	156.8
	Heating (Rated)	kW	140	145.6	151.2	156.8
	Heating (Max)	kW	156.2	162.5	168.8	175.1
Input	Cooling (Rated)	kW	33.66	35.87	35.89	37.75
	Heating (Rated)	kW	30.87	33.02	32.86	34.94
	Heating (Max)	kW	36.78	39.45	39	41.75
EER			4.16	4.06	4.21	4.15
SEER			-	-	-	-
COP	Rated Capacity		4.54	4.41	4.6	4.49
	Max Capacity		4.25	4.12	4.33	4.19
SCOP			-	-	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 4	(Inverter) x 4	(Inverter) x 5	(Inverter) x 5
	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	(5,300 x 4) + (4,200 x 1)	(5,300 x 4) + (4,200 x 1)
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	13,000	13,000	14,300	14,300
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)
	Air Flow Rate (High)	m³/min x No.	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 2 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 2 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 2 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 2 + (960 x 1,825 x 796) x 1
Net Weight		kg x No.	(310 x 1) + (237 x 1) + (215 x 1)	(310 x 1) + (237 x 1) + (215 x 1)	(310 x 1) + (300 x 1) + (215 x 1)	(310 x 1) + (300 x 1) + (215 x 1)
Shipping Weight		kg x No.	(320 x 1) + (250 x 1) + (225 x 1)	(320 x 1) + (250 x 1) + (225 x 1)	(320 x 1) + (312 x 1) + (225 x 1)	(320 x 1) + (312 x 1) + (225 x 1)
Sound Pressure Level	Cooling	dB(A)	67	67.1	67.2	67.4
	Heating	dB(A)	68.6	68.7	68.8	69.5
Sound Power Level	Cooling	dB(A)	96.4	96.6	97.1	97.4
	Heating	dB(A)	100.3	100.5	100.8	101
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	40	40	42.5	42.5
	t-CO_2eq		83.5	83.5	88.7	88.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			64	64	64	64

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM580LTE5 / ARUM600LTE5
ARUM620LTE5 / ARUM640LTE5
ARUM660LTE5

HP			58	60	62	64	66
Model Name	Combination Unit		ARUM580LTE5	ARUM600LTE5	ARUM620LTE5	ARUM640LTE5	ARUM660LTE5
	Independent Unit		ARUM240LTE5 ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM140LTE5	ARUM240LTE5 ARUM240LTE5 ARUM160LTE5	ARUM240LTE5 ARUM240LTE5 ARUM180LTE5
Capacity	Cooling (Rated)	kW	162.4	168.0	173.6	179.2	184.8
	Heating (Rated)	kW	162.4	168.0	173.6	179.2	184.8
	Heating (Max)	kW	181.4	186.3	192.6	198.9	205.2
Input	Cooling (Rated)	kW	40.68	42.38	43.48	45.69	45.71
	Heating (Rated)	kW	36.89	38.63	39.91	42.06	41.90
	Heating (Max)	kW	43.82	45.86	47.32	49.99	49.54
EER			3.99	3.96	3.99	3.92	4.04
SEER			-	-	-	-	-
COP	Rated Capacity		4.40	4.35	4.35	4.26	4.41
	Max Capacity		4.14	4.06	4.07	3.98	4.14
SCOP			-	-	-	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 5	(Inverter) x 5	(Inverter) x 5	(Inverter) x 5	(Inverter) x 6
	Motor Output x Number	W x No.	(5,300 x 4) + (4,200 x 1)	5,300 x 5	5,300 x 5	5,300 x 5	(5,300 x 5) + (4,200 x 1)
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	14,300	14,300	14,300	14,300	15,600
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	900 x 6	900 x 6	900 x 6
	Air Flow Rate (High)	m³/min x No.	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	320 x 3	320 x 3	320 x 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø44.5 (1-3/4)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 2 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 2 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 3	(1,280 x 1,825 x 796) x 3	(1,280 x 1,825 x 796) x 3
Net Weight		kg x No.	(310 x 1) + (300 x 1) + (215 x 1)	(310 x 2) + (215 x 1)	(310 x 2) + (237 x 1)	(310 x 2) + (237 x 1)	(310 x 2) + (300 x 1)
Shipping Weight		kg x No.	(320 x 1) + (312 x 1) + (225 x 1)	(320 x 2) + (225 x 1)	(320 x 2) + (250 x 1)	(320 x 2) + (250 x 1)	(320 x 2) + (312 x 1)
Sound Pressure Level	Cooling	dB(A)	68.3	68.5	68.6	68.7	68.8
	Heating	dB(A)	69.8	70.4	70.5	70.6	70.6
Sound Power Level	Cooling	dB(A)	97.4	98.3	98.5	98.6	99.0
	Heating	dB(A)	101.4	102.2	102.5	102.6	102.8
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	42.5	43.5	47.5	47.5	50.0
	t-CO_2eq		88.7	90.8	99.2	99.2	104.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units 1)			64	64	64	64	64

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%

MULTI V 5 HEAT RECOVERY

ARUM680LTE5 / ARUM700LTE5
ARUM720LTE5 / ARUM740LTE5
ARUM760LTE5

HP			68	70	72	74	76
Model Name	Combination Unit		ARUM680LTE5	ARUM700LTE5	ARUM720LTE5	ARUM740LTE5	ARUM760LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM240LTE5 ARUM220LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5	ARUM240LTE5 ARUM240LTE5 ARUM140LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM160LTE5 ARUM120LTE5
Capacity	Cooling (Rated)	kW	190.4	196.0	201.6	207.2	212.8
	Heating (Rated)	kW	190.4	196.0	201.6	207.2	212.8
	Heating (Max)	kW	211.5	217.8	222.8	230.4	236.7
Input	Cooling (Rated)	kW	47.57	50.50	52.20	51.06	53.27
	Heating (Rated)	kW	43.98	45.93	47.67	46.76	48.91
	Heating (Max)	kW	52.29	54.36	56.40	55.58	58.25
EER			4.00	3.88	3.86	4.06	3.99
SEER			-	-	-	-	-
COP	Rated Capacity		4.33	4.27	4.23	4.43	4.35
	Max Capacity		4.05	4.01	3.95	4.15	4.06
SCOP			-	-	-	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 6	(Inverter) x 6	(Inverter) x 6	(Inverter) x 6	(Inverter) x 6
	Motor Output x Number	W x No.	(5,300 x 5) + (4,200 x 1)	(5,300 x 5) + (4,200 x 1)	5,300 x 6	5,300 x 6	5,300 x 6
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	15,600	15,600	15,600	18,200	18,200
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	900 x 6	900 x 6	900 x 6	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)
	Air Flow Rate (High)	m³/min x No.	320 x 3	320 x 3	320 x 3	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Gas Pipe	mm (inch)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 3	(1,280 x 1,825 x 796) x 3	(1,280 x 1,825 x 796) x 3	(1,280 x 1,825 x 796) x 3 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 3 + (960 x 1,825 x 796) x 1
Net Weight		kg x No.	(310 x 2) + (300 x 1)	(310 x 2) + (300 x 1)	310 x 3	(310 x 2) + (237 x 1) + (215 x 1)	(310 x 2) + (237 x 1) + (215 x 1)
Shipping Weight		kg x No.	(320 x 2) + (312 x 1)	(320 x 2) + (312 x 1)	320 x 3	(320 x 2) + (250 x 1) + (225 x 1)	(320 x 2) + (250 x 1) + (225 x 1)
Sound Pressure Level	Cooling	dB(A)	69.0	69.6	69.8	69.1	69.2
	Heating	dB(A)	71.1	71.3	71.8	70.9	70.9
Sound Power Level	Cooling	dB(A)	99.2	99.2	99.8	98.8	98.9
	Heating	dB(A)	103.0	103.2	103.8	102.7	102.8
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	50.0	50.0	51.0	57.0	57.0
	t-CO_2eq		104.4	104.4	106.5	119.0	119.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			64	64	64	64	64

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM780LTE5 / ARUM800LTE5
ARUM820LTE5 / ARUM840LTE5
ARUM860LTE5

HP			78	80	82	84	86
Model Name	Combination Unit		ARUM780LTE5	ARUM800LTE5	ARUM820LTE5	ARUM840LTE5	ARUM860LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM180LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM200LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM140LTE5
Capacity	Cooling (Rated)	kW	218.4	224.0	229.6	235.2	240.8
	Heating (Rated)	kW	218.4	224.0	229.6	235.2	240.8
	Heating (Max)	kW	243.0	249.3	255.6	260.6	266.9
Input	Cooling (Rated)	kW	53.29	55.15	58.08	59.78	60.88
	Heating (Rated)	kW	48.75	50.83	52.78	54.52	55.80
	Heating (Max)	kW	57.80	60.55	62.62	64.66	66.12
EER			4.10	4.06	3.95	3.93	3.96
SEER			-	-	-	-	-
COP	Rated Capacity		4.48	4.41	4.35	4.31	4.32
	Max Capacity		4.20	4.12	4.08	4.03	4.04
SCOP			-	-	-	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 7	(Inverter) x 7	(Inverter) x 7	(Inverter) x 7	(Inverter) x 7
	Motor Output x Number	W x No.	(5,300 x 6) + (4,200 x 1)	(5,300 x 6) + (4,200 x 1)	(5,300 x 6) + (4,200 x 1)	5,300 x 7	5,300 x 7
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	19,500	19,500	19,500	19,500	19,500
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	900 x 8
	Air Flow Rate (High)	m³/min x No.	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	320 x 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Gas Pipe	mm (inch)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 4
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 3 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 3 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 3 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 3 + (960 x 1,825 x 796) x 1	(1,280 x 1,825 x 796) x 4
Net Weight		kg x No.	(310 x 2) + (300 x 1) + (215 x 1)	(310 x 2) + (300 x 1) + (215 x 1)	(310 x 2) + (300 x 1) + (215 x 1)	(310 x 3) + (215 x 1)	(310 x 3) + (237 x 1)
Shipping Weight		kg x No.	(320 x 2) + (312 x 1) + (225 x 1)	(320 x 2) + (312 x 1) + (225 x 1)	(320 x 2) + (312 x 1) + (225 x 1)	(320 x 3) + (225 x 1)	(320 x 3) + (250 x 1)
Sound Pressure Level	Cooling	dB(A)	69.2	69.4	70.0	70.1	70.2
	Heating	dB(A)	71.0	71.4	71.6	72.1	72.1
Sound Power Level	Cooling	dB(A)	99.2	99.4	99.4	99.9	100.1
	Heating	dB(A)	103.0	103.2	103.4	103.9	104.1
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	59.5	59.5	59.5	60.5	64.5
	t-CO_2eq		124.2	124.2	124.2	126.3	134.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			64	64	64	64	64

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

MULTI V 5 HEAT RECOVERY

ARUM880LTE5 / ARUM900LTE5
ARUM920LTE5 / ARUM940LTE5
ARUM960LTE5

HP			88	90	92	94	96
Model Name	Combination Unit		ARUM880LTE5	ARUM900LTE5	ARUM920LTE5	ARUM940LTE5	ARUM960LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM160LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM180LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM220LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM240LTE5
Capacity	Cooling (Rated)	kW	246.4	252.0	257.6	263.2	268.8
	Heating (Rated)	kW	246.4	252.0	257.6	263.2	268.8
	Heating (Max)	kW	273.2	279.5	285.8	292.1	297.0
Input	Cooling (Rated)	kW	63.09	63.11	64.97	67.90	69.60
	Heating (Rated)	kW	57.95	57.79	59.87	61.82	63.56
	Heating (Max)	kW	68.79	68.34	71.09	73.16	75.20
EER			3.91	3.99	3.96	3.88	3.86
SEER			-	-	-	-	-
COP	Rated Capacity		4.25	4.36	4.30	4.26	4.23
	Max Capacity		3.97	4.09	4.02	3.99	3.95
SCOP			-	-	-	-	-
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL Code (Classic)		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 7	(Inverter) x 8	(Inverter) x 8	(Inverter) x 8	(Inverter) x 8
	Motor Output x Number	W x No.	5,300 x 7	(5,300 x 7) + (4,200 x 1)	(5,300 x 7) + (4,200 x 1)	(5,300 x 7) + (4,200 x 1)	5,300 x 8
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	19,500	20,800	20,800	20,800	20,800
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	900 x 8	900 x 8	900 x 8	900 x 8	900 x 8
	Air Flow Rate (High)	m³/min x No.	320 x 4	320 x 4	320 x 4	320 x 4	320 x 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP	TOP
Pipe Connections for Heat Recovery	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)
Pipe Connections for Heat Pump	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Gas Pipe	mm (inch)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4
Dimensions (W x H x D) - Shipping		mm x No.	(1,280 x 1,825 x 796) x 4	(1,280 x 1,825 x 796) x 4	(1,280 x 1,825 x 796) x 4	(1,280 x 1,825 x 796) x 4	(1,280 x 1,825 x 796) x 4
Net Weight		kg x No.	(310 x 3) + (237 x 1)	(310 x 3) + (300 x 1)	(310 x 3) + (300 x 1)	(310 x 3) + (300 x 1)	310 x 4
Shipping Weight		kg x No.	(320 x 3) + (250 x 1)	(320 x 3) + (312 x 1)	(320 x 3) + (312 x 1)	(320 x 3) + (312 x 1)	320 x 4
Sound Pressure Level	Cooling	dB(A)	70.3	70.3	70.4	70.9	71.0
	Heating	dB(A)	72.2	72.2	72.5	72.7	73.0
Sound Power Level	Cooling	dB(A)	100.2	100.4	100.6	100.6	101.0
	Heating	dB(A)	104.2	104.3	104.4	104.6	105.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	64.5	67.0	67.0	67.0	68.0
	t-CO_2eq		134.6	139.9	139.9	139.9	142.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			64	64	64	64	64

1) Maximum numbers are prepared based on assumption that all 2.2kW 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%.

NOTE

1. **Eurovent Test Condition :** For more info regarding program consult www.eurovent-certification.com

2. **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 = 7.5m
   - Difference Limit of Elevation (Outdoor ~ Indoor Unit) is 0m

3. **Wiring cable size must comply with the applicable local and national code.**

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 conditions during operation.**

5. **Explanation of Terms**
   - EER : Energy Efficiency Ratio (Cooling)
   - SEER : Seasonal Energy Efficiency Ratio (Refer to Typical Cooling Season)
   - COP : Coefficient Of Performance (Heating)
   - SCOP : Seasonal Coefficient Of Performance (Refer to Typical Heating Season)

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

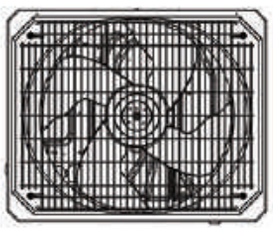
7. **This product contains Fluorinated greenhouse gases.**

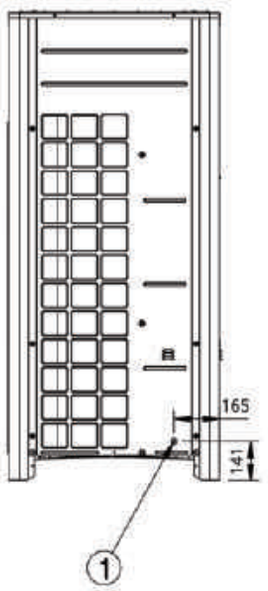
ARUM080LTE5 / ARUM100LTE5 / ARUM120LTE5

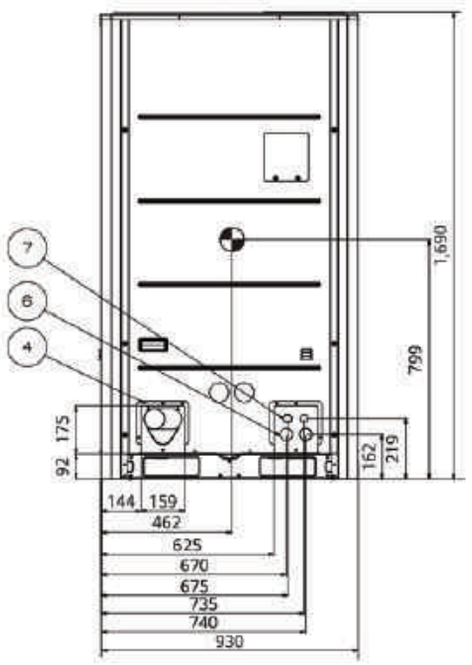
[Unit : mm]

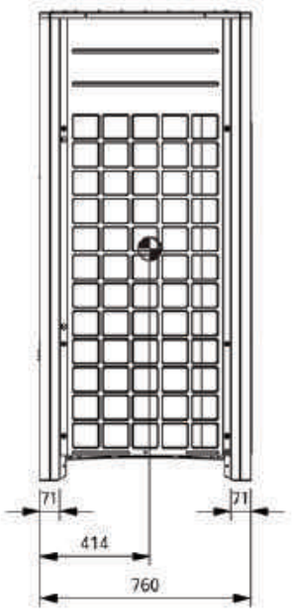
No.	Part Name	Description
1	Leakage test hole (Side)	Ø22.2
2	Wire routing hole (Bottom)	2-Ø22.2
3	Power cord routing hole (Bottom)	2-Ø50
4	Pipe routing hole (Front)	-
5	Pipe routing hole (Bottom)	2-Ø66.Ø53.88
6	Power cord routing hole (Front)	2-Ø45
7	Wire routing hole (Front)	2-Ø30

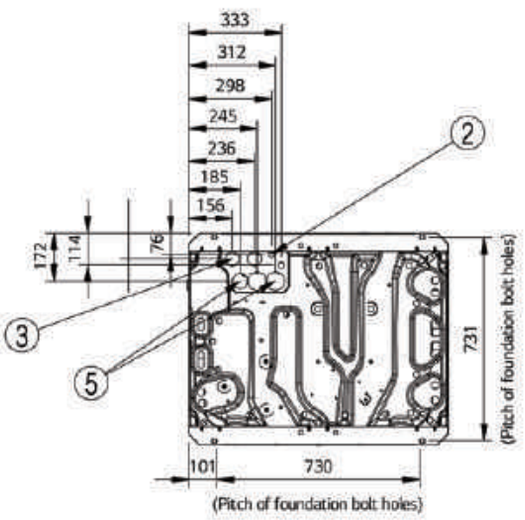
3D View







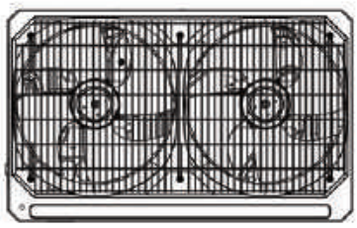




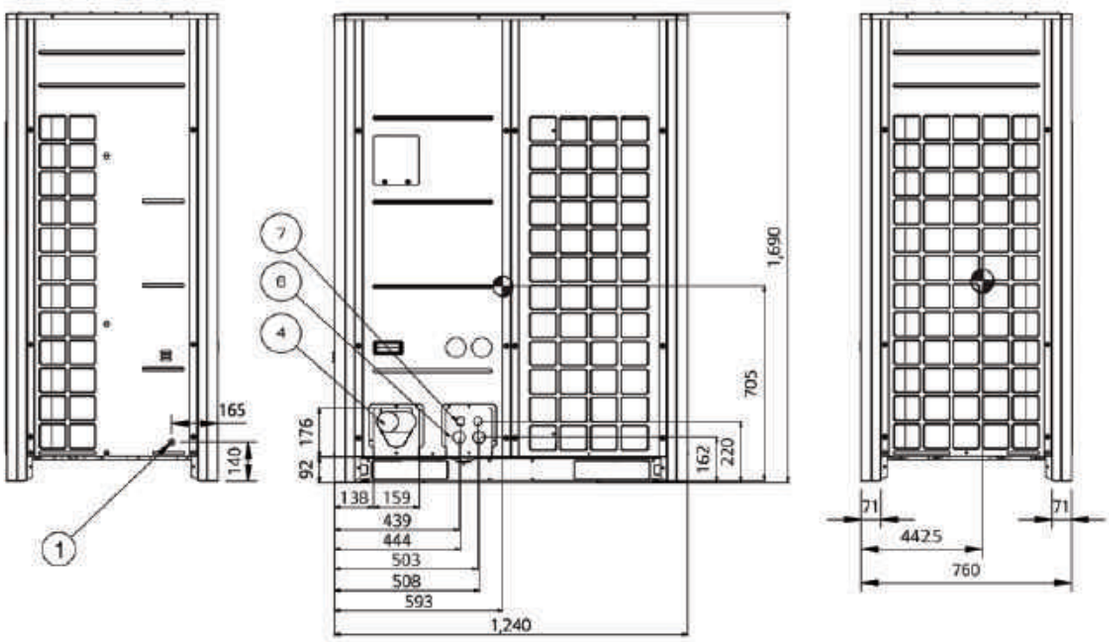
ARUM140LTE5 / ARUM160LTE5 / ARUM180LTE5 / ARUM200LTE5
ARUM220LTE5 / ARUM240LTE5 / ARUM260LTE5

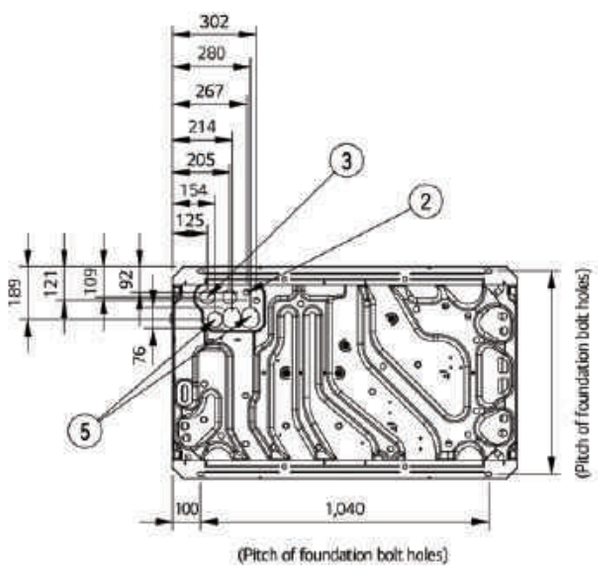
[Unit : mm]

No.	Part Name	Description
1	Leakage test hole (Side)	Ø22.2
2	Wire routing hole (Bottom)	2-Ø22.2
3	Power cord routing hole (Bottom)	2-Ø50
4	Pipe routing hole (Front)	-
5	Pipe routing hole (Bottom)	2-Ø66, Ø53.88
6	Power cord routing hole (Front)	2-Ø45
7	Wire routing hole (Front)	2-Ø30



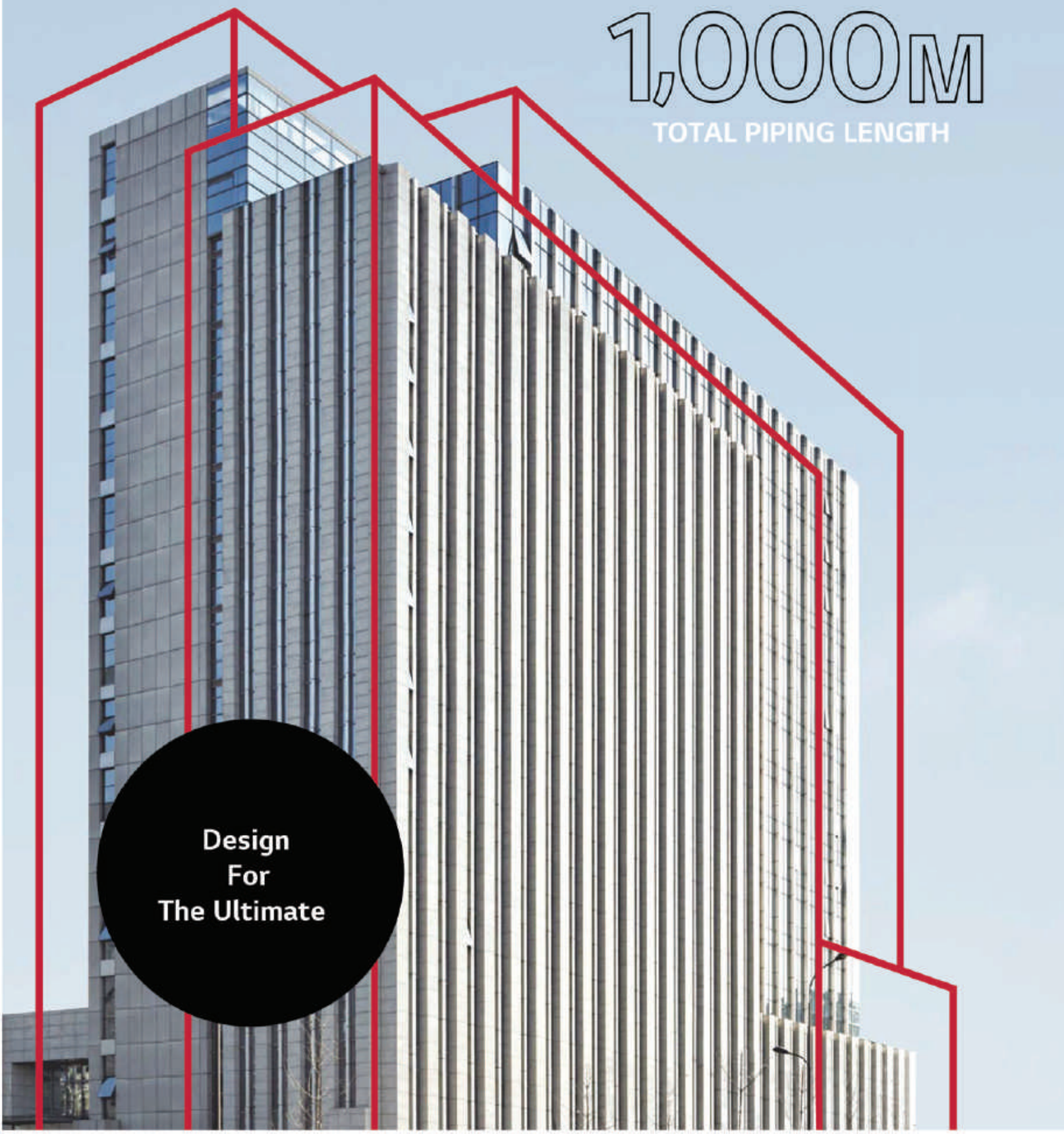
3D View

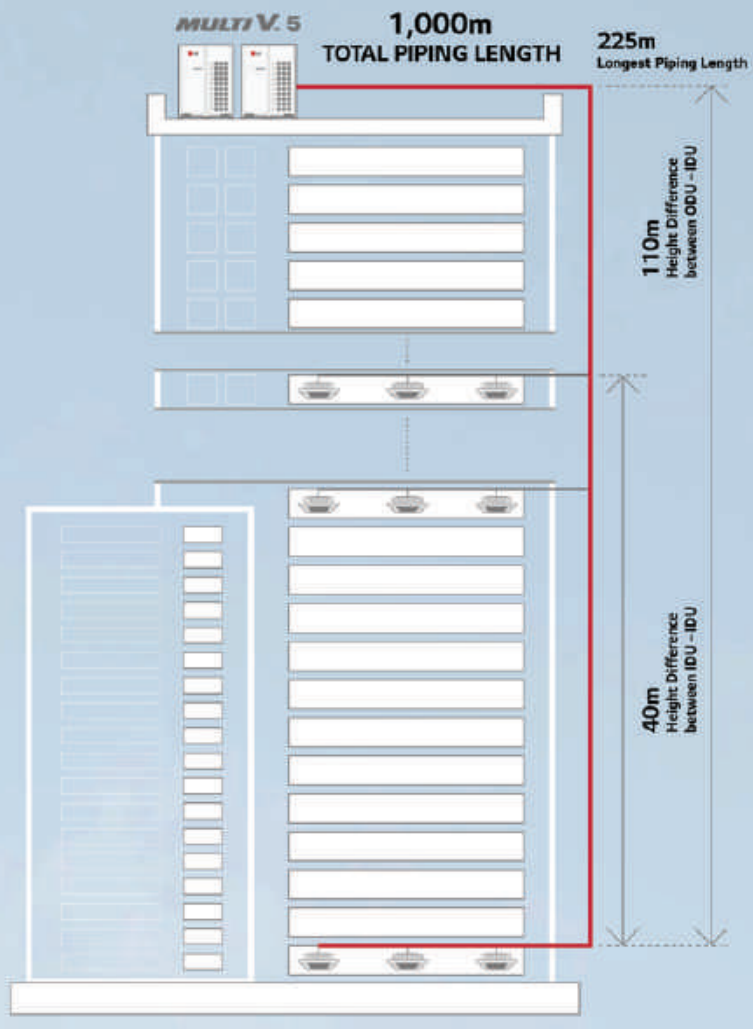




MULTI V™ 5 HEAT PUMP

- Air Cooled VRF Heat Pump
- 22.4kW ~ 268.8kW (Cooling capacity based)
- 3Ø 380V, 60Hz
- Top discharge outdoor unit





Energy savings

Reliability

Low noise

Advanced performance

How does it work?

Dual Sensing

Partial Defrost

MULTI V 5 HEAT PUMP

ARUN080LTE5 / ARUN100LTE5
ARUN120LTE5 / ARUN140LTE5

HP			8	10	12	14
Model Name	Combination Unit		ARUN080LTE5	ARUN100LTE5	ARUN120LTE5	ARUN140LTE5
	Independent Unit		ARUN080LTE5	ARUN100LTE5	ARUN120LTE5	ARUN140LTE5
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
	Heating (Rated)	kW	25.2	31.5	37.8	44.1
		Btu/h	86,000	107,500	129,000	150,500
Input	Cooling (Rated)	kW	4.59	5.70	7.91	9.12
	Heating (Rated)	kW	4.74	5.78	8.06	9.78
EER (Rated)			4.88	4.91	4.25	4.30
COP (Rated)			5.32	5.45	4.69	4.51
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1	5,300 x 1
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	900 x 2
	Air Flow Rate (High)	m^3/min	240 x 1	240 x 1	240 x 1	320 x 1
		ft^3/min	8,476 x 1	8,476 x 1	8,476 x 1	11,301 x 1
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm x No.	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
Net Weight		kg	188 x 1	188 x 1	188 x 1	220 x 1
		lbs	448 x 1	448 x 1	448 x 1	507 x 1
Sound Pressure Level	Cooling	dB(A)	58.0	58.0	59.0	60.0
	Heating	dB(A)	59.0	59.0	60.0	61.0
Sound Power Level	Cooling	dB(A)	78.0	78.0	79.0	82.0
	Heating	dB(A)	79.0	79.0	80.0	84.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	10.0	10.0	10.0	13.0
		lbs	22.0	22.0	22.0	28.7
	t-CO_2eq		20.9	20.9	20.9	27.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			13 (20)	16 (25)	20 (30)	23 (35)

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN160LTE5 / ARUN180LTE5
ARUN200LTE5 / ARUN220LTE5

HP			16	18	20	22
Model Name	Combination Unit		ARUN160LTE5	ARUN180LTE5	ARUN200LTE5	ARUN220LTE5
	Independent Unit		ARUN160LTE5	ARUN180LTE5	ARUN200LTE5	ARUN220LTE5
Capacity	Cooling (Rated)	kW	44.8	50.4	56.0	61.6
		Btu/h	152,900	172,000	191,100	210,200
	Heating (Rated)	kW	50.4	56.7	63.0	69.3
		Btu/h	172,000	193,500	215,000	236,500
Input	Cooling (Rated)	kW	10.80	10.96	12.31	14.84
	Heating (Rated)	kW	11.59	12.06	15.52	17.54
EER (Rated)			4.15	4.60	4.55	4.15
COP (Rated)			4.35	4.70	4.06	3.95
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2	5,300 x 2
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m^3/min	320 x 1	320 x 1	320 x 1	320 x 1
		ft^3/min	11,301 x 1	11,301 x 1	11,301 x 1	11,301 x 1
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
Net Weight		kg	220 x 1	260 x 1	274 x 1	274 x 1
		lbs	507 x 1	595 x 1	635 x 1	635 x 1
Sound Pressure Level	Cooling	dB(A)	60.5	61.0	62.0	64.5
	Heating	dB(A)	61.5	62.0	64.5	65.5
Sound Power Level	Cooling	dB(A)	83.0	85.0	86.0	86.0
	Heating	dB(A)	85.0	86.0	87.0	88.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	13.0	13.0	14.0	14.0
		lbs	28.7	28.7	30.9	30.9
	t-CO_2eq		27.1	27.1	29.2	29.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			26 (40)	29 (45)	32 (50)	35 (56)

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN240LTE5 / ARUN260LTE5

HP			24	26
Model Name	Combination Unit		ARUN240LTE5	ARUN260LTE5
	Independent Unit		ARUN240LTE5	ARUN260LTE5
Capacity	Cooling (Rated)	kW	67.2	72.8
		Btu/h	229,300	248,400
	Heating (Rated)	kW	74.3	74.3
		Btu/h	253,400	253,400
Input	Cooling (Rated)	kW	16.76	19.41
	Heating (Rated)	kW	18.85	19.49
EER (Rated)			4.01	3.75
COP (Rated)			3.94	3.81
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2
Fan	Type		Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	900 x 2
	Air Flow Rate (High)	m^3/min	320 x 1	320 x 1
		ft^3/min	11,301 x 1	11,301 x 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	15.88 (5/8)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
Net Weight		kg	276 x 1	276 x 1
		lbs	639 x 1	639 x 1
Sound Pressure Level	Cooling	dB(A)	65.0	65.0
	Heating	dB(A)	67.0	67.0
Sound Power Level	Cooling	dB(A)	88.0	88.0
	Heating	dB(A)	90.0	90.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount in factory	kg	16.0	16.0
		lbs	35.3	35.3
	t-CO_2eq		33.4	33.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			39 (61)	42 (64)

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN300LTN5 / ARUN320LTN5

HP			30'	32'
Model Name	Combination Unit		ARUN300LTN5	ARUN320LTN5
	Independent Unit		ARUN300LTN5	ARUN320LTN5
Capacity	Cooling (Rated)	kW	84.0	89.6
		Btu/h	286,600	305,700
	Heating (Rated)	kW	94.5	100.8
		Btu/h	322,400	343,900
Input	Cooling (Rated)	kW	22.40	27.15
	Heating (Rated)	kW	22.00	24.90
EER (Rated)			3.75	3.30
COP (Rated)			4.30	4.05
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output x Number	W	1,500 x 2	1,500 x 2
	Air Flow Rate (High)	m^3/min	430 x 2	430 x 2
		ft^3/min	15,185 x 2	15,185 x 2
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm x No.	(1,640 x 1,690 x 760) x 1	(1,640 x 1,690 x 760) x 1
Net Weight		kg	362 x 1	362 x 1
		lbs	798 x 1	798 x 1
Sound Pressure Level	Cooling	dB(A)	65.0	65.0
	Heating	dB(A)	67.0	67.0
Sound Power Level	Cooling	dB(A)	88.0	88.0
	Heating	dB(A)	90.0	90.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount in factory	kg	17.5	17.5
		lbs	38.6	38.6
	t-CO_2eq		36.5	36.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			49 (60)	52 (64)

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN221LTE5 / ARUN241LTE5

HP			22'	24'
Model Name	Combination Unit		ARUN221LTE5	ARUN241LTE5
	Independent Unit		ARUN120LTE5 ARUN100LTE5	ARUN120LTE5 ARUN120LTE5
Capacity	Cooling (Rated)	kW	61.6	67.2
		Btu/h	210,100	229,200
	Heating (Rated)	kW	69.3	75.6
		Btu/h	236,500	258,000
Input	Cooling (Rated)	kW	13.60	15.81
	Heating (Rated)	kW	13.80	16.12
EER (Rated)			4.53	4.25
COP (Rated)			5.01	4.69
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2
Fan	Type		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 x 1) + (240 x 1)	(240 x 1) + (240 x 1)
		ft^3/min	(8,476 x 1) + (8,476 x 1)	(8,476 x 1) + (8,476 x 1)
	External Static Pressure (Max. Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm x No.	(930 x 1,690 x 760) x 2	(930 x 1,690 x 760) x 2
Net Weight		kg	203 x 2	203 x 2
		lbs	448 x 2	448 x 2
Sound Pressure Level	Cooling	dB(A)	61.5	62.0
	Heating	dB(A)	62.5	63.0
Sound Power Level	Cooling	dB(A)	81.5	82.0
	Heating	dB(A)	82.5	83.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount in factory	kg	10.0 + 10.0	10.0 + 10.0
		lbs	22.0 + 22.0	22.0 + 22.0
	t-CO_2eq		41.8	41.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			35 (44)	39 (48)

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN261LTE5 / ARUN280LTE5
ARUN300LTE5 / ARUN320LTE5

HP			26'	28	30	32
Model Name	Combination Unit		ARUN261LTE5	ARUN280LTE5	ARUN300LTE5	ARUN320LTE5
	Independent Unit		ARUN140LTE5 ARUN120LTE5	ARUN160LTE5 ARUN120LTE5	ARUN180LTE5 ARUN120LTE5	ARUN200LTE5 ARUN120LTE5
Capacity	Cooling (Rated)	kW	72.8	78.4	84.0	89.6
		Btu/h	248,400	267,500	286,600	305,700
	Heating (Rated)	kW	81.9	88.2	94.5	100.8
		Btu/h	279,500	301,000	322,500	344,000
Input	Cooling (Rated)	kW	17.02	18.70	18.86	20.21
	Heating (Rated)	kW	17.84	19.65	20.12	23.58
EER (Rated)			4.28	4.19	4.45	4.43
COP (Rated)			4.59	4.49	4.70	4.28
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)	(5,300 x 2) + (4,200 x 1)
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate (High)	m³/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft³/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)	(11,301 x 1) + (8,476 x 1)
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
Net Weight		kg	(220 x 1) + (188 x 1)	(220 x 1) + (188 x 1)	(260 x 1) + (188 x 1)	(274 x 1) + (188 x 1)
		lbs	(507 x 1) + (448 x 1)	(507 x 1) + (448 x 1)	(595 x 1) + (448 x 1)	(635 x 1) + (448 x 1)
Sound Pressure Level	Cooling	dB(A)	62.5	62.8	63.1	63.8
	Heating	dB(A)	63.5	63.8	64.1	65.8
Sound Power Level	Cooling	dB(A)	83.8	84.5	86.0	86.8
	Heating	dB(A)	85.5	86.2	87.0	87.8
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	13.0 + 10.0	13.0 + 10.0	13.0 + 10.0	14.0 + 10.0
		lbs	28.7 + 22.0	28.7 + 22.0	28.7 + 22.0	30.9 + 22.0
	t-CO_2eq		48.0	48.0	48.0	50.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			42 (52)	45 (56)	49 (60)	52 (64)

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN340LTE5 / ARUN360LTE5
ARUN380LTE5 / ARUN400LTE5

HP			34	36	38	40
Model Name	Combination Unit		ARUN340LTE5	ARUN360LTE5	ARUN380LTE5	ARUN400LTE5
	Independent Unit		ARUN220LTE5 ARUN120LTE5	ARUN240LTE5 ARUN120LTE5	ARUN240LTE5 ARUN140LTE5	ARUN240LTE5 ARUN160LTE5
Capacity	Cooling (Rated)	kW	95.2	100.8	106.4	112.0
		Btu/h	324,800	343,900	363,100	382,200
	Heating (Rated)	kW	107.1	112.1	118.4	124.7
		Btu/h	365,500	382,400	403,900	425,400
Input	Cooling (Rated)	kW	22.75	24.66	25.87	27.55
	Heating (Rated)	kW	25.60	26.91	28.62	30.43
EER (Rated)			4.18	4.09	4.11	4.06
COP (Rated)			4.18	4.16	4.13	4.10
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	5,300 x 3	5,300 x 3
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	900 x 4	900 x 4
	Air Flow Rate (High)	m^3/min	(320 x 1) + (240 x 1)	(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 1) + (8,476 x 1)	11,301 x 2	11,301 x 2
	External Static Pressure (Max. Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2
Net Weight		kg	(274 x 1) + (188 x 1)	(276 x 1) + (188 x 1)	(276 x 1) + (220 x 1)	(276 x 1) + (220 x 1)
		lbs	(635 x 1) + (448 x 1)	(639 x 1) + (448 x 1)	(639 x 1) + (507 x 1)	(639 x 1) + (507 x 1)
Sound Pressure Level	Cooling	dB(A)	65.6	66.0	66.2	66.3
	Heating	dB(A)	66.6	67.8	68.0	68.1
Sound Power Level	Cooling	dB(A)	86.8	88.5	89.0	89.2
	Heating	dB(A)	88.6	90.4	91.0	91.2
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	14.0 + 10.0	16.0 + 10.0	16.0 + 13.0	16.0 + 13.0
		lbs	30.9 + 22.0	35.3 + 22.0	35.3 + 28.7	35.3 + 28.7
	t-CO_2eq		50.1	54.3	60.5	60.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			55 (64)	58 (64)	61 (64)	64

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN420LTE5 / ARUN440LTE5
ARUN460LTE5 / ARUN480LTE5

HP			42	44	46	48
Model Name	Combination Unit		ARUN420LTE5	ARUN440LTE5	ARUN460LTE5	ARUN480LTE5
	Independent Unit		ARUN240LTE5 ARUN180LTE5	ARUN240LTE5 ARUN200LTE5	ARUN240LTE5 ARUN220LTE5	ARUN240LTE5 ARUN240LTE5
Capacity	Cooling (Rated)	kW	117.6	123.2	128.8	134.4
		Btu/h	401,300	420,400	439,500	458,600
	Heating (Rated)	kW	131.0	137.3	143.6	148.5
		Btu/h	446,900	468,400	489,900	506,800
Input	Cooling (Rated)	kW	27.71	29.07	31.60	33.52
	Heating (Rated)	kW	30.91	34.36	36.39	37.69
EER (Rated)			4.24	4.24	4.08	4.01
COP (Rated)			4.24	3.99	3.94	3.94
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	(5,300 x 3) + (4,200 x 1)	5,300 x 4	5,300 x 4	5,300 x 4
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4	900 x 4
	Air Flow Rate (High)	m^3/min	320 x 2	320 x 2	320 x 2	320 x 2
		ft^3/min	11,301 x 2	11,301 x 2	11,301 x 2	11,301 x 2
	External Static Pressure (Max. Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2
Net Weight		kg	(276 x 1) + (260 x 1)	(276 x 1) + (274 x 1)	(276 x 1) + (274 x 1)	276 x 2
		lbs	(639 x 1) + (595 x 1)	(639 x 1) + (635 x 1)	(639 x 1) + (635 x 1)	639 x 2
Sound Pressure Level	Cooling	dB(A)	66.5	66.8	67.8	68.0
	Heating	dB(A)	68.2	68.9	69.3	70.0
Sound Power Level	Cooling	dB(A)	89.8	90.1	90.1	91.0
	Heating	dB(A)	91.5	91.8	92.1	93.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	16.0 + 13.0	16.0 + 14.0	16.0 + 14.0	16.0 + 16.0
		lbs	35.3 + 28.7	35.3 + 30.9	35.3 + 30.9	35.3 + 35.3
	t-CO_2eq		60.5	62.6	62.6	66.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN500LTE5 / ARUN520LTE5
ARUN540LTE5 / ARUN560LTE5

HP			50	52	54	56
Model Name	Combination Unit		ARUN500LTE5	ARUN520LTE5	ARUN540LTE5	ARUN560LTE5
	Independent Unit		ARUN240LTE5 ARUN140LTE5 ARUN120LTE5	ARUN240LTE5 ARUN160LTE5 ARUN120LTE5	ARUN240LTE5 ARUN180LTE5 ARUN120LTE5	ARUN240LTE5 ARUN200LTE5 ARUN120LTE5
Capacity	Cooling (Rated)	kW	140.0	145.6	151.2	156.8
		Btu/h	477,700	496,800	515,900	535,000
	Heating (Rated)	kW	156.2	162.5	168.8	175.1
		Btu/h	532,900	554,400	575,900	597,400
Input	Cooling (Rated)	kW	33.78	35.46	35.62	36.97
	Heating (Rated)	kW	36.68	38.49	38.97	42.42
EER (Rated)			4.14	4.11	4.24	4.24
COP (Rated)			4.26	4.22	4.33	4.13
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	(5,300 x 4) + (4,200 x 1)	5,300 x 5
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 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)	(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)	(11,301 x 2) + (8,476 x 1)
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1
Net Weight		kg	(276 x 1) + (220 x 1) + (188 x 1)	(276 x 1) + (220 x 1) + (188 x 1)	(276 x 1) + (260 x 1) + (188 x 1)	(276 x 1) + (274 x 1) + (188 x 1)
		lbs	(639 x 1) + (507 x 1) + (448 x 1)	(639 x 1) + (507 x 1) + (448 x 1)	(639 x 1) + (595 x 1) + (448 x 1)	(639 x 1) + (635 x 1) + (448 x 1)
Sound Pressure Level	Cooling	dB(A)	67.0	67.1	67.2	67.4
	Heating	dB(A)	68.6	68.7	68.8	69.5
Sound Power Level	Cooling	dB(A)	89.4	89.6	90.1	90.4
	Heating	dB(A)	91.3	91.5	91.8	92.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	16.0 + 13.0 + 10.0	16.0 + 13.0 + 10.0	16.0 + 13.0 + 10.0	16.0 + 14.0 + 10.0
		lbs	35.3 + 28.7 + 22.0	35.3 + 28.7 + 22.0	35.3 + 28.7 + 22.0	35.3 + 30.9 + 22.0
	t-CO_2eq		81.4	81.4	81.4	83.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN580LTE5 / ARUN600LTE5
ARUN620LTE5 / ARUN640LTE5

HP			58	60	62	64
Model Name	Combination Unit		ARUN580LTE5	ARUN600LTE5	ARUN620LTE5	ARUN640LTE5
	Independent Unit		ARUN240LTE5 ARUN220LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN140LTE5	ARUN240LTE5 ARUN240LTE5 ARUN160LTE5
Capacity	Cooling (Rated)	kW	162.4	168.0	173.6	179.2
		Btu/h	554,100	573,200	592,400	611,500
	Heating (Rated)	kW	181.4	186.3	192.6	198.9
		Btu/h	618,900	635,800	657,300	678,800
Input	Cooling (Rated)	kW	39.51	41.42	42.63	44.31
	Heating (Rated)	kW	44.45	45.75	47.47	49.28
EER (Rated)			4.11	4.06	4.07	4.04
COP (Rated)			4.08	4.07	4.06	4.04
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 5	5,300 x 5	5,300 x 5	5,300 x 5
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	900 x 6	900 x 6
	Air Flow Rate (High)	m³/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	320 x 3	320 x 3
		ft³/min	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)	11,301 x 3	11,301 x 3
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	44.5 (1-3/4)	44.5 (1-3/4)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3
Net Weight		kg	(276 x 1) + (274 x 1) + (188 x 1)	(276 x 2) + (188 x 1)	(276 x 2) + (220 x 1)	(276 x 2) + (220 x 1)
		lbs	(639 x 1) + (635 x 1) + (448 x 1)	(639 x 2) + (448 x 1)	(639 x 2) + (507 x 1)	(639 x 2) + (507 x 1)
Sound Pressure Level	Cooling	dB(A)	68.3	68.5	68.6	68.7
	Heating	dB(A)	69.8	70.4	70.5	70.6
Sound Power Level	Cooling	dB(A)	90.4	91.3	91.5	91.6
	Heating	dB(A)	92.4	93.2	93.5	93.6
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	16.0 + 14.0 + 10.0	16.0 + 16.0 + 10.0	16.0 + 16.0 + 13.0	16.0 + 16.0 + 13.0
		lbs	35.3 + 30.9 + 22.0	35.3 + 35.3 + 22.0	35.3 + 35.3 + 28.7	35.3 + 35.3 + 28.7
	$t\text{-}CO_2eq$		83.5	87.7	93.9	93.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN660LTE5 / ARUN680LTE5
ARUN700LTE5 / ARUN720LTE5

HP			66	68	70	72
Model Name	Combination Unit		ARUN660LTE5	ARUN680LTE5	ARUN700LTE5	ARUN720LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN180LTE5	ARUN240LTE5 ARUN240LTE5 ARUN200LTE5	ARUN240LTE5 ARUN240LTE5 ARUN220LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5
Capacity	Cooling (Rated)	kW	184.8	190.4	196.0	201.6
		Btu/h	630,600	649,700	668,800	687,900
	Heating (Rated)	kW	205.2	211.5	217.8	222.8
		Btu/h	700,300	721,800	743,300	760,200
Input	Cooling (Rated)	kW	44.47	45.82	48.36	50.27
	Heating (Rated)	kW	49.76	53.21	55.24	56.54
EER (Rated)			4.16	4.16	4.05	4.01
COP (Rated)			4.12	3.97	3.94	3.94
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	(5,300 x 5) + (4,200 x 1)	5,300 x 6	5,300 x 6	5,300 x 6
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 6	900 x 6	900 x 6	900 x 6
	Air Flow Rate (High)	m^3/min	320 x 3	320 x 3	320 x 3	320 x 3
		ft^3/min	11,301 x 3	11,301 x 3	11,301 x 3	11,301 x 3
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3
Net Weight		kg	(276 x 2) + (260 x 1)	(276 x 2) + (274 x 1)	(276 x 2) + (274 x 1)	276 x 3
		lbs	(639 x 2) + (595 x 1)	(639 x 2) + (635 x 1)	(639 x 2) + (635 x 1)	639 x 3
Sound Pressure Level	Cooling	dB(A)	68.8	69.0	69.6	69.8
	Heating	dB(A)	70.6	71.1	71.3	71.8
Sound Power Level	Cooling	dB(A)	92.0	92.2	92.2	92.8
	Heating	dB(A)	93.8	94.0	94.2	94.8
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	16.0 + 16.0 + 13.0	16.0 + 16.0 + 14.0	16.0 + 16.0 + 14.0	16.0 + 16.0 + 16.0
		lbs	35.3 + 35.3 + 28.7	35.3 + 35.3 + 30.9	35.3 + 35.3 + 30.9	35.3 + 35.3 + 35.3
	t-CO_2eq		93.9	96.0	96.0	100.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 3741 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
   ^Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN740LTE5 / ARUN760LTE5
ARUN780LTE5 / ARUN800LTE5

HP			74	76	78	80
Model Name	Combination Unit		ARUN740LTE5	ARUN760LTE5	ARUN780LTE5	ARUN800LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN140LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN160LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN180LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN200LTE5 ARUN120LTE5
Capacity	Cooling (Rated)	kW	207.2	212.8	218.4	224.0
		Btu/h	707,000	726,100	745,200	764,300
	Heating (Rated)	kW	230.4	236.7	243.0	249.3
		Btu/h	786,300	807,800	829,300	850,800
Input	Cooling (Rated)	kW	50.54	52.22	52.38	53.73
	Heating (Rated)	kW	55.53	57.34	57.82	61.27
EER (Rated)			4.10	4.08	4.17	4.17
COP (Rated)			4.15	4.13	4.20	4.07
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 6	5,300 x 6	(5,300 x 6) + (4,200 x 1)	5,300 x 7
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)
		ft^3/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)	(11,301 x 3) + (8,476 x 1)
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1
Net Weight		kg	(276 x 2) + (220 x 1) + (188 x 1)	(276 x 2) + (220 x 1) + (188 x 1)	(276 x 2) + (260 x 1) + (188 x 1)	(276 x 2) + (274 x 1) + (188 x 1)
		lbs	(639 x 2) + (507 x 1) + (448 x 1)	(639 x 2) + (507 x 1) + (448 x 1)	(639 x 2) + (595 x 1) + (448 x 1)	(639 x 2) + (635 x 1) + (448 x 1)
Sound Pressure Level	Cooling	dB(A)	69.1	69.2	69.2	69.4
	Heating	dB(A)	70.9	70.9	71.0	71.4
Sound Power Level	Cooling	dB(A)	91.8	91.9	92.2	92.4
	Heating	dB(A)	93.7	93.8	94.0	94.2
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	16.0 + 16.0 + 13.0 + 10.0	16.0 + 16.0 + 13.0 + 10.0	16.0 + 16.0 + 13.0 + 10.0	16.0 + 16.0 + 14.0 + 10.0
		lbs	35.3 + 35.3 + 28.7 + 22.0	35.3 + 35.3 + 28.7 + 22.0	35.3 + 35.3 + 28.7 + 22.0	35.3 + 35.3 + 30.9 + 22.0
	t-CO_2eq		114.8	114.8	114.8	116.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

ARUN820LTE5 / ARUN840LTE5
ARUN860LTE5 / ARUN880LTE5

HP			82	84	86	88
Model Name	Combination Unit		ARUN820LTE5	ARUN840LTE5	ARUN860LTE5	ARUN880LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN220LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN140LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN160LTE5
Capacity	Cooling (Rated)	kW	229.6	235.2	240.8	246.4
		Btu/h	783,400	802,500	821,700	840,800
	Heating (Rated)	kW	255.6	260.6	266.9	273.2
		Btu/h	872,300	889,200	910,700	932,200
Input	Cooling (Rated)	kW	56.27	58.18	59.39	61.07
	Heating (Rated)	kW	63.30	64.60	66.32	68.13
EER (Rated)			4.08	4.04	4.05	4.03
COP (Rated)			4.04	4.03	4.02	4.01
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 7	5,300 x 7	5,300 x 7	5,300 x 7
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	900 x 8	900 x 8
	Air Flow Rate (High)	m^3/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	320 x 4	320 x 4
		ft^3/min	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)	11,301 x 4	11,301 x 4
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4
Net Weight		kg	(276 x 2) + (274 x 1) + (188 x 1)	(276 x 3) + (188 x 1)	(276 x 3) + (188 x 1)	(276 x 3) + (220 x 1)
		lbs	(639 x 2) + (635 x 1) + (448 x 1)	(639 x 3) + (448 x 1)	(639 x 3) + (507 x 1)	(639 x 3) + (507 x 1)
Sound Pressure Level	Cooling	dB(A)	70.0	70.1	70.2	70.3
	Heating	dB(A)	71.6	72.1	72.1	72.2
Sound Power Level	Cooling	dB(A)	92.4	92.9	93.1	93.2
	Heating	dB(A)	94.4	94.9	95.1	95.2
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	16.0 + 16.0 + 14.0 + 10.0	16.0 + 16.0 + 16.0 + 10.0	16.0 + 16.0 + 16.0 + 13.0	16.0 + 16.0 + 16.0 + 13.0
		lbs	35.3 + 35.3 + 30.9 + 22.0	35.3 + 35.3 + 35.3 + 22.0	35.3 + 35.3 + 35.3 + 28.7	35.3 + 35.3 + 35.3 + 28.7
	t-CO_2eq		116.9	121.1	127.3	127.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 HEAT PUMP

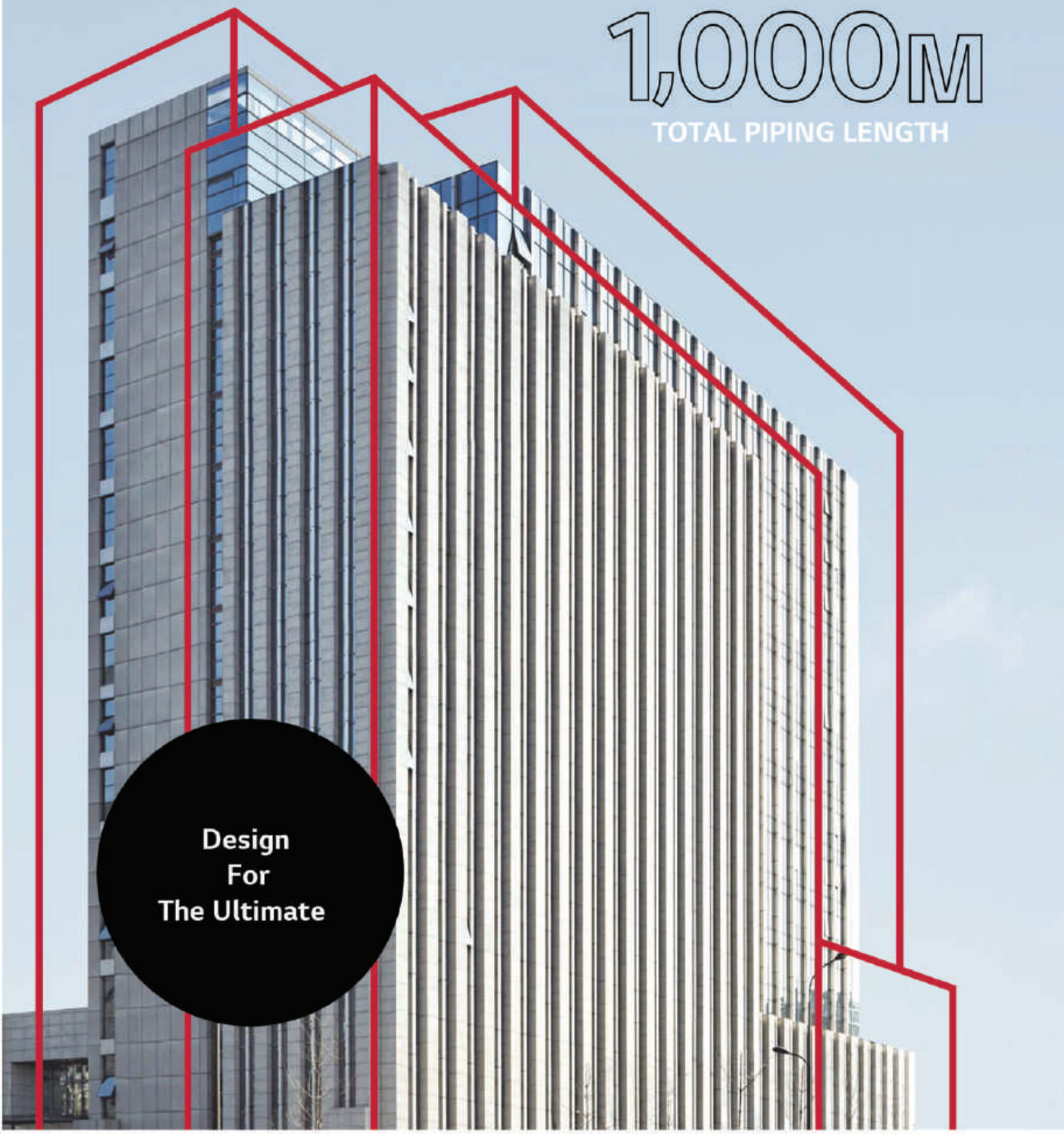
ARUN900LTE5 / ARUN920LTE5
ARUN940LTE5 / ARUN960LTE5

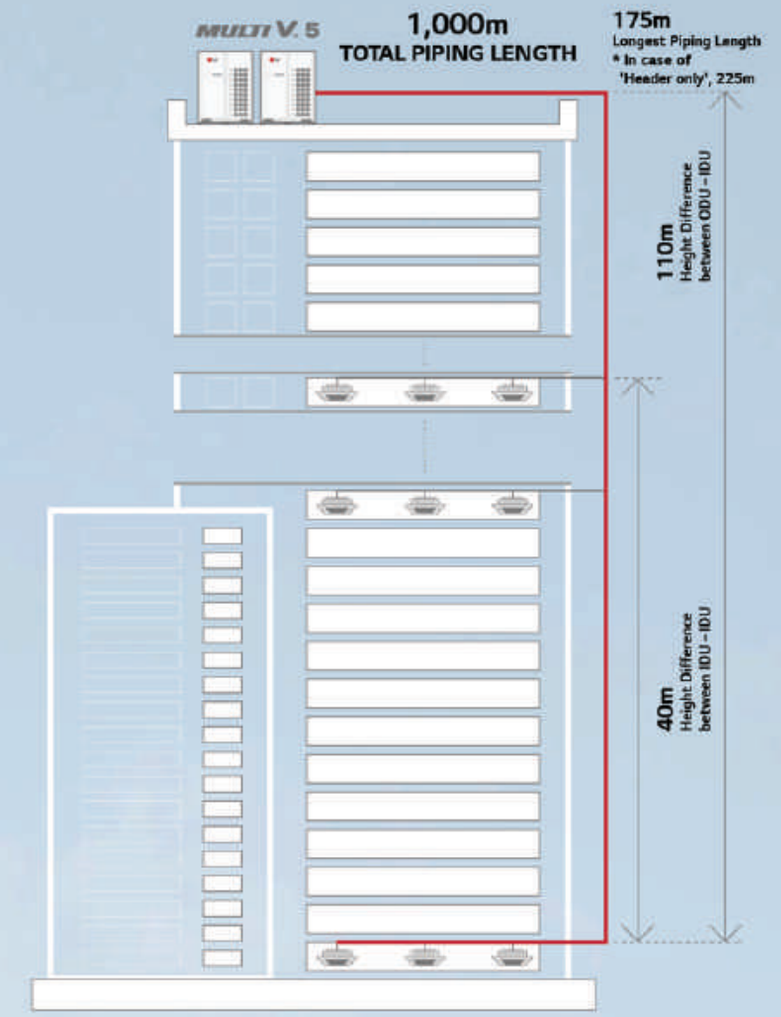
HP			90	92	94	96
Model Name	Combination Unit		ARUN900LTE5	ARUN920LTE5	ARUN940LTE5	ARUN960LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN180LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN200LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN220LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN240LTE5
Capacity	Cooling (Rated)	kW	252.0	257.6	263.2	268.8
		Btu/h	859,900	879,000	898,100	917,200
	Heating (Rated)	kW	279.5	285.8	292.1	297.0
		Btu/h	953,700	975,200	996,700	1,013,600
Input	Cooling (Rated)	kW	61.23	62.58	65.12	67.03
	Heating (Rated)	kW	68.60	72.06	74.08	75.39
EER (Rated)			4.12	4.12	4.04	4.01
COP (Rated)			4.07	3.97	3.94	3.94
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	(5,300 x 7) + (4,200 x 1)	5,300 x 8	5,300 x 8	5,300 x 8
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 8	900 x 8	900 x 8	900 x 8
	Air Flow Rate (High)	m^3/min	320 x 4	320 x 4	320 x 4	320 x 4
		ft^3/min	11,301 x 4	11,301 x 4	11,301 x 4	11,301 x 4
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4
Net Weight		kg	(276 x 3) + (250 x 1)	(276 x 3) + (274 x 1)	(276 x 3) + (274 x 1)	(276 x 4)
		lbs	(639 x 3) + (595 x 1)	(639 x 3) + (635 x 1)	(639 x 3) + (635 x 1)	639 x 4
Sound Pressure Level	Cooling	dB(A)	70.3	70.4	70.9	71.0
	Heating	dB(A)	72.2	72.5	72.7	73.0
Sound Power Level	Cooling	dB(A)	93.4	93.6	93.6	94.0
	Heating	dB(A)	95.3	95.4	95.6	96.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	16.0 + 16.0 + 16.0 + 13.0	16.0 + 16.0 + 16.0 + 14.0	16.0 + 16.0 + 16.0 + 14.0	16.0 + 16.0 + 16.0 + 16.0
		lbs	35.3 + 35.3 + 35.3 + 28.7	35.3 + 35.3 + 35.3 + 30.9	35.3 + 35.3 + 35.3 + 30.9	35.3 + 35.3 + 35.3 + 35.3
	t-CO_2eq		127.3	129.4	129.4	133.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 3741 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
   *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V™ 5 PRO

- Air cooled VRF Heat Pump
- 22.4kW ~ 291.2kW (Cooling capacity based)
- 3Ø 380V, 60Hz
- Top discharge outdoor unit





Energy savings

Reliability

Low noise

Advanced performance

How does it work?

Dual Sensing

MULTI V 5 PRO

ARUN080LLS5 / ARUN100LLS5
ARUN120LLS5 / ARUN140LLS5

HP			8	10	12	14
Model Name	Combination Unit		ARUN080LLS5	ARUN100LLS5	ARUN120LLS5	ARUN140LLS5
	Independent Unit		ARUN080LLS5	ARUN100LLS5	ARUN120LLS5	ARUN140LLS5
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
	Heating (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
	Heating	kW	5.03	7.07	9.10	11.60
EER (Rated)			4.39	4.12	3.78	3.70
COP (Rated)			4.45	3.96	3.69	3.38
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	4,200	4,200	5,300	5,300
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	1,200	1,200	1,200	1,200
	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)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm x No.	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1
Net Weight		kg	167	167	172	184
Sound Pressure Level	Cooling	dB(A)	58.0	58.0	59.0	60.0
	Heating	dB(A)	59.0	59.0	60.0	61.0
Sound Power Level	Cooling	dB(A)	78.0	78.0	79.0	82.0
	Heating	dB(A)	79.0	79.0	80.0	83.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.7	4.7	4.7	7.5
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN160LLS5 / ARUN180LLS5
ARUN200LLS5

HP			16	18	20
Model Name	Combination Unit		ARUN160LLS5	ARUN180LLS5	ARUN200LLS5
	Independent Unit		ARUN160LLS5	ARUN180LLS5	ARUN200LLS5
Capacity	Cooling (Rated)	kW	44.8	50.4	56.0
		Btu/h	152,900	172,000	191,100
	Heating (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
	Heating	kW	12.10	12.10	14.50
EER (Rated)			3.76	4.10	3.97
COP (Rated)			3.70	4.17	3.86
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300	7,500	7,500
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 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)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
Net Weight		kg	205	230	230
Sound Pressure Level	Cooling	dB(A)	60.5	62.0	63.0
	Heating	dB(A)	61.5	64.5	66.0
Sound Power Level	Cooling	dB(A)	83.0	85.0	86.0
	Heating	dB(A)	85.0	86.0	89.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	6.5	7.5	7.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		13.6	15.7	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380~415, 50	3, 380~415, 50	3, 380~415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			26 (40)	29 (45)	32 (50)

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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN220LLS5 / ARUN240LLS5
ARUN260LLS5

HP			22	24	26
Model Name	Combination Unit		ARUN220LLS5	ARUN240LLS5	ARUN260LLS5
	Independent Unit		ARUN220LLS5	ARUN240LLS5	ARUN260LLS5
Capacity	Cooling (Rated)	kW	61.6	67.2	72.8
		Btu/h	210,200	229,300	248,400
	Heating (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
	Heating	kW	17.80	17.90	20.50
EER (Rated)			3.67	3.69	3.50
COP (Rated)			3.46	3.75	3.55
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	7,500	5,300 x 2	5,300 x 2
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 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)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
Net Weight		kg	230	268	268
Sound Pressure Level	Cooling	dB(A)	64.0	65.0	65.0
	Heating	dB(A)	67.0	67.0	67.0
Sound Power Level	Cooling	dB(A)	87.0	88.0	88.0
	Heating	dB(A)	90.0	90.0	90.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	7.5	11	11
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN280LLS5 / ARUN300LLS5
ARUN320LLS5

HP			28	30	32
Model Name	Combination Unit		ARUN280LLS5	ARUN300LLS5	ARUN320LLS5
	Independent Unit		ARUN160LLS5 ARUN120LLS5	ARUN180LLS5 ARUN120LLS5	ARUN200LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	78.4	84.0	89.6
		Btu/h	267,500	286,600	305,700
	Heating (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
	Heating	kW	21.2	21.2	23.6
EER (Rated)			3.77	3.96	3.90
COP (Rated)			3.70	3.96	3.80
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 2	(7,500 x 1) + (5,300 x 1)	(7,500 x 1) + (5,300 x 1)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate (High)	m³/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft³/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)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
Net Weight		kg	(205) + (172)	(230) + (172)	(230) + (172)
Sound Pressure Level	Cooling	dB(A)	62.8	63.8	64.5
	Heating	dB(A)	63.8	65.8	67.0
Sound Power Level	Cooling	dB(A)	84.5	86.0	86.8
	Heating	dB(A)	86.2	87.0	89.5
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	11.2	12.2	12.2
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		23.4	25.5	25.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			45 (56)	49 (60)	52 (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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN580LLS5 / ARUN600LLS5
ARUN620LLS5

HP			58	60	62
Model Name	Combination Unit		ARUN580LLS5	ARUN600LLS5	ARUN620LLS5
	Independent Unit		ARUN260LLS5 ARUN200LLS5 ARUN120LLS5	ARUN260LLS5 ARUN220LLS5 ARUN120LLS5	ARUN260LLS5 ARUN240LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	162.4	168.0	173.6
		Btu/h	554,100	573,200	592,300
	Heating (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
	Heating	kW	44.1	47.4	47.5
EER (Rated)			3.71	3.61	3.62
COP (Rated)			3.68	3.54	3.65
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	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 x 5
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 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)	19.05 (3/4)	19.05 (3/4)	22.2 (7/8)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	44.5 (1-3/4)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1
Net Weight		kg	(268) + (230) + (172)	(268) + (230) + (172)	(268) + (268) + (172)
Sound Pressure Level	Cooling	dB(A)	67.7	68.1	68.5
	Heating	dB(A)	70.0	70.4	70.4
Sound Power Level	Cooling	dB(A)	90.4	90.8	91.3
	Heating	dB(A)	92.8	93.2	93.2
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	23.2	23.2	26.7
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN400LLS5 / ARUN420LLS5
ARUN440LLS5

HP			40	42	44
Model Name	Combination Unit		ARUN400LLS5	ARUN420LLS5	ARUN440LLS5
	Independent Unit		ARUN260LLS5 ARUN140LLS5	ARUN260LLS5 ARUN160LLS5	ARUN260LLS5 ARUN180LLS5
Capacity	Cooling (Rated)	kW	112.0	117.6	123.2
		Btu/h	382,200	401,300	420,400
	Heating (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
	Heating	kW	32.1	32.6	32.6
EER (Rated)			3.57	3.60	3.72
COP (Rated)			3.49	3.61	3.78
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	(5,300 x 2) + (7,500 x 1)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	900 x 4	900 x 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)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2
Net Weight		kg	(268) + (184)	(268) + (205)	(268) + (230)
Sound Pressure Level	Cooling	dB(A)	66.2	66.3	66.8
	Heating	dB(A)	68.0	68.1	68.9
Sound Power Level	Cooling	dB(A)	89.0	89.2	89.8
	Heating	dB(A)	90.8	91.2	91.5
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	18.5	17.5	18.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		38.6	36.5	38.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN340LLS5 / ARUN360LLS5
ARUN380LLS5

HP			34	36	38
Model Name	Combination Unit		ARUN340LLS5	ARUN360LLS5	ARUN380LLS5
	Independent Unit		ARUN220LLS5 ARUN120LLS5	ARUN240LLS5 ARUN120LLS5	ARUN260LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	95.2	100.8	106.4
		Btu/h	324,800	343,900	363,000
	Heating (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
	Heating	kW	26.9	27.0	29.6
EER (Rated)			3.70	3.72	3.58
COP (Rated)			3.54	3.73	3.59
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	(7,500 x 1) + (5,300 x 1)	(7,500 x 1) + (5,300 x 1)	5,300 x 3
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 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)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
Net Weight		kg	(230) + (172)	(268) + (172)	(268) + (172)
Sound Pressure Level	Cooling	dB(A)	65.2	66.0	66.0
	Heating	dB(A)	67.8	67.8	67.8
Sound Power Level	Cooling	dB(A)	87.6	88.5	88.5
	Heating	dB(A)	90.4	90.4	90.4
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	12.2	15.7	15.7
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			55 (64)	58 (64)	61 (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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN520LLS5 / ARUN540LLS5
ARUN560LLS5

HP			52	54	56
Model Name	Combination Unit		ARUN520LLS5	ARUN540LLS5	ARUN560LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5	ARUN260LLS5 ARUN160LLS5 ARUN120LLS5	ARUN260LLS5 ARUN180LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	145.6	151.2	156.8
		Btu/h	496,800	515,900	535,000
	Heating (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
	Heating	kW	41.0	41.7	41.7
EER (Rated)			3.50	3.63	3.73
COP (Rated)			3.55	3.63	3.76
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	(5,300 x 3) + (7,500 x 1)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 4	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 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)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1
Net Weight		kg	(268) + (268)	(268) + (205) + (172)	(268) + (230) + (172)
Sound Pressure Level	Cooling	dB(A)	68.0	67.1	67.4
	Heating	dB(A)	70.0	68.7	69.5
Sound Power Level	Cooling	dB(A)	91.0	89.6	90.1
	Heating	dB(A)	93.0	91.5	91.8
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	22.0	22.2	23.2
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		45.9	46.3	48.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN460LLS5 / ARUN480LLS5
ARUN500LLS5

HP			46	48	50
Model Name	Combination Unit		ARUN460LLS5	ARUN480LLS5	ARUN500LLS5
	Independent Unit		ARUN260LLS5 ARUN200LLS5	ARUN260LLS5 ARUN220LLS5	ARUN260LLS5 ARUN240LLS5
Capacity	Cooling (Rated)	kW	128.8	134.4	140.0
		Btu/h	439,500	458,600	477,700
	Heating (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
	Heating	kW	35.0	38.3	38.4
EER (Rated)			3.69	3.57	3.59
COP (Rated)			3.68	3.51	3.65
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	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 x 4
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 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)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2
Net Weight		kg	(268) + (230)	(268) + (230)	(268) + (268)
Sound Pressure Level	Cooling	dB(A)	67.1	67.5	68.0
	Heating	dB(A)	69.5	70.0	70.0
Sound Power Level	Cooling	dB(A)	90.1	90.5	91.0
	Heating	dB(A)	92.5	93.0	93.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	18.5	18.5	22.0
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN640LLS5 / ARUN660LLS5
ARUN680LLS5

HP			64	66	68
Model Name	Combination Unit		ARUN640LLS5	ARUN660LLS5	ARUN680LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN140LLS5	ARUN260LLS5 ARUN260LLS5 ARUN160LLS5
Capacity	Cooling (Rated)	kW	179.2	184.8	190.4
		Btu/h	611,400	630,600	649,700
	Heating (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
	Heating	kW	50.1	52.6	53.1
EER (Rated)			3.55	3.54	3.56
COP (Rated)			3.58	3.51	3.59
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 5	5,300 x 5	5,300 x 5
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	900 x 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)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	44.5 (1-3/4)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3
Net Weight		kg	(268) + (268) + (172)	(268) + (268) + (184)	(268) + (268) + (205)
Sound Pressure Level	Cooling	dB(A)	68.5	68.6	68.7
	Heating	dB(A)	70.4	70.5	70.6
Sound Power Level	Cooling	dB(A)	91.3	91.5	91.6
	Heating	dB(A)	93.2	93.4	93.6
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	26.7	29.5	28.5
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN700LLS5 / ARUN720LLS5
ARUN740LLS5

HP			70	72	74
Model Name	Combination Unit		ARUN700LLS5	ARUN720LLS5	ARUN740LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN180LLS5	ARUN260LLS5 ARUN260LLS5 ARUN200LLS5	ARUN260LLS5 ARUN260LLS5 ARUN220LLS5
Capacity	Cooling (Rated)	kW	196.0	201.6	207.2
		Btu/h	668,800	687,900	707,000
	Heating (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
	Heating	kW	53.1	55.5	58.8
EER (Rated)			3.64	3.62	3.55
COP (Rated)			3.69	3.63	3.52
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	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)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 6	900 x 6	900 x 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)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3
Net Weight		kg	(268) + (268) + (230)	(268) + (268) + (230)	(268) + (268) + (230)
Sound Pressure Level	Cooling	dB(A)	69.0	69.2	69.5
	Heating	dB(A)	71.1	71.5	71.8
Sound Power Level	Cooling	dB(A)	92.0	92.2	92.5
	Heating	dB(A)	93.8	94.5	94.8
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	29.5	29.5	29.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		61.6	61.6	61.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN760LLS5 / ARUN780LLS5
ARUN800LLS5

HP			76	78	80
Model Name	Combination Unit		ARUN760LLS5	ARUN780LLS5	ARUN800LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN240LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5	ARUN260LLS5 ARUN260LLS5 ARUN160LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	212.8	218.4	224.0
		Btu/h	726,100	745,200	764,300
	Heating (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
	Heating	kW	58.9	61.5	62.2
EER (Rated)			3.56	3.50	3.59
COP (Rated)			3.61	3.55	3.60
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 6	5,300 x 6	5,300 x 6
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 6	900 x 6	(900 x 6) + (1,200 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)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1
Net Weight		kg	(268) + (268) + (268)	(268) + (268) + (268)	(268) + (268) + (205) + (172)
Sound Pressure Level	Cooling	dB(A)	69.8	69.8	69.2
	Heating	dB(A)	71.6	71.8	70.9
Sound Power Level	Cooling	dB(A)	92.8	92.8	91.9
	Heating	dB(A)	94.8	94.8	93.8
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.0	33.0	33.2
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN820LLS5 / ARUN840LLS5
ARUN860LLS5

HP			82	84	86
Model Name	Combination Unit		ARUN820LLS5	ARUN840LLS5	ARUN860LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN180LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN200LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN220LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	229.6	235.2	240.8
		Btu/h	783,400	802,500	821,600
	Heating (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
	Heating	kW	62.2	64.6	67.9
EER (Rated)			3.66	3.64	3.58
COP (Rated)			3.69	3.64	3.55
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	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)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)
		ft^3/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)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1
Net Weight		kg	(268) + (268) + (230) + (172)	(268) + (268) + (230) + (172)	(268) + (268) + (268) + (172)
Sound Pressure Level	Cooling	dB(A)	69.4	69.6	69.8
	Heating	dB(A)	71.4	71.8	72.1
Sound Power Level	Cooling	dB(A)	92.2	92.4	92.7
	Heating	dB(A)	94.0	94.6	94.9
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	34.2	34.2	34.2
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		71.4	71.4	71.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN880LLS5 / ARUN900LLS5
ARUN920LLS5

HP			88	90	92
Model Name	Combination Unit		ARUN880LLS5	ARUN900LLS5	ARUN920LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN240LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN140LLS5
Capacity	Cooling (Rated)	kW	246.4	252.0	257.6
		Btu/h	840,700	859,800	879,000
	Heating (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
	Heating	kW	68.0	70.6	73.1
EER (Rated)			3.59	3.53	3.53
COP (Rated)			3.62	3.57	3.52
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 7	5,300 x 7	5,300 x 7
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)
		ft^3/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)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1
Net Weight		kg	(268) + (268) + (230) + (172)	(268) + (268) + (268) + (172)	(268) + (268) + (268) + (184)
Sound Pressure Level	Cooling	dB(A)	70.1	70.1	70.2
	Heating	dB(A)	72.1	72.1	72.1
Sound Power Level	Cooling	dB(A)	92.9	92.9	93.1
	Heating	dB(A)	94.9	94.9	95.1
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	37.7	37.7	40.5
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

ARUN940LLS5 / ARUN960LLS5
ARUN980LLS5

HP			94	96	98
Model Name	Combination Unit		ARUN940LLS5	ARUN960LLS5	ARUN980LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN160LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN180LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN200LLS5
Capacity	Cooling (Rated)	kW	263.2	268.8	274.4
		Btu/h	898,100	917,200	936,300
	Heating (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
	Heating	kW	73.6	73.6	76.0
EER (Rated)			3.54	3.60	3.59
COP (Rated)			3.58	3.65	3.61
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300 x 7	(5,300 x 6) + (7,500 x 1)	(5,300 x 6) + (7,500 x 1)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 8	900 x 8	900 x 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)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4
Net Weight		kg	(268) + (268) + (268) + (205)	(268) + (268) + (268) + (230)	(268) + (268) + (268) + (230)
Sound Pressure Level	Cooling	dB(A)	70.3	70.4	70.6
	Heating	dB(A)	72.2	72.5	72.8
Sound Power Level	Cooling	dB(A)	93.2	93.4	93.6
	Heating	dB(A)	95.2	95.3	95.8
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	39.5	40.5	40.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		82.5	84.5	84.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V 5 PRO

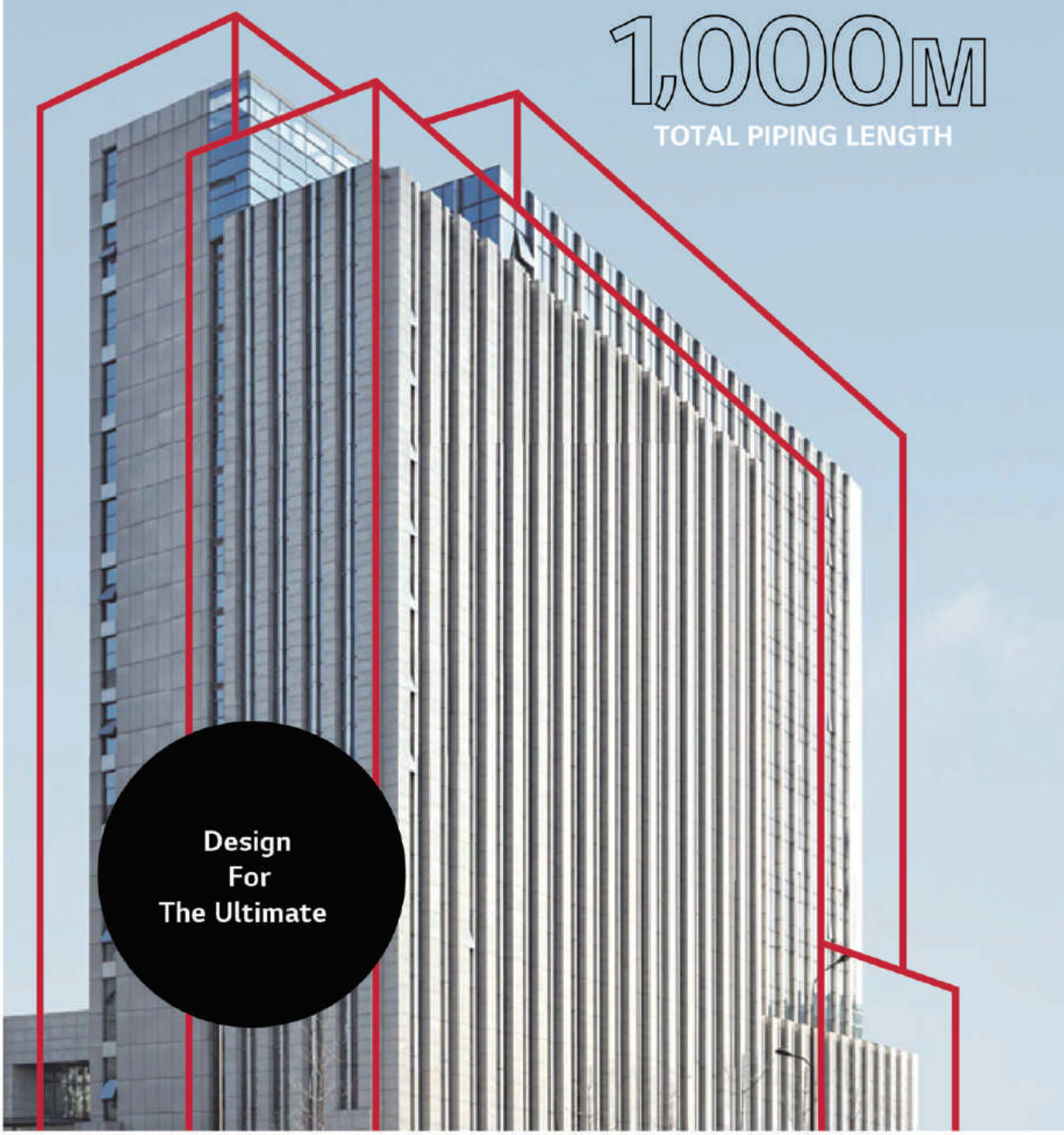
ARUN1000LLS5 / ARUN1020LLS5
ARUN1040LLS5

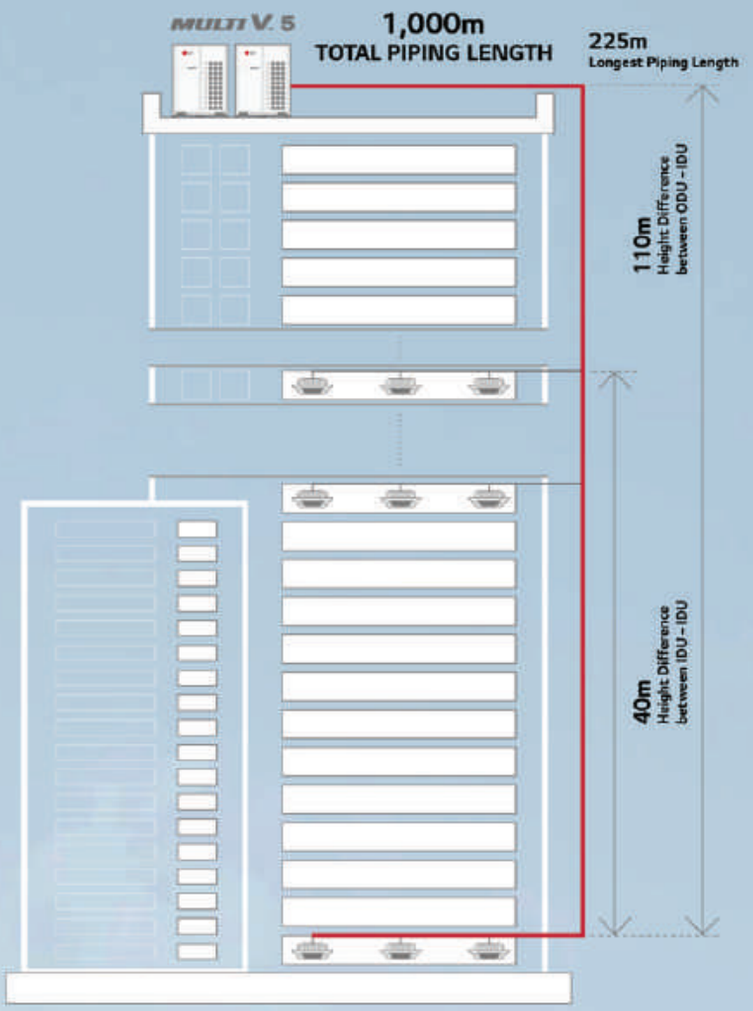
HP			100	102	104
Model Name	Combination Unit		ARUN1000LLS5	ARUN1020LLS5	ARUN1040LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN220LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN240LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN260LLS5
Capacity	Cooling (Rated)	kW	280.0	285.6	291.2
		Btu/h	955,400	974,500	993,600
	Heating (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
	Heating	kW	79.3	79.4	82.0
EER (Rated)			3.54	3.54	3.50
COP (Rated)			3.53	3.60	3.55
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	(5,300 x 6) + (7,500 x 1)	5,300 x 8	5,300 x 8
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 8	900 x 8	900 x 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)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm x No.	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4
Net Weight		kg	(268) + (268) + (268) + (230)	(268) + (268) + (268) + (268)	(268) + (268) + (268) + (268)
Sound Pressure Level	Cooling	dB(A)	70.8	71.0	71.0
	Heating	dB(A)	73.0	73.0	73.0
Sound Power Level	Cooling	dB(A)	93.8	94.0	94.0
	Heating	dB(A)	96.0	96.0	96.0
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	40.5	44.0	44.0
	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		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 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 3741 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
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°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) = 2087.5)

MULTI V™ 5 COOLING ONLY

- Air Cooled VRF Heat Pump
- 22.4kW ~ 268.8kW (Cooling capacity based)
- 3Ø 220V and 460V, 60Hz
- Top discharge outdoor unit





Energy savings

Reliability

Low noise

Advanced performance

How does it work?

Dual Sensing

Partial Defrost

MULTI V 5 COOLING ONLY 220V

ARUV096BTE5 / ARUV121BTE5
ARUV144BTE5 / ARUV168BTE5
ARUV192BTE5

RT			8	10	12	14	16
Model Name	Combination Unit		ARUV096BTE5	ARUV121BTE5	ARUV144BTE5	ARUV168BTE5	ARUV192BTE5
	Independent Unit		ARUV096BTE5	ARUV121BTE5	ARUV144BTE5	ARUV168BTE5	ARUV192BTE5
Capacity	Cooling (Nominal)	Btu/h	96,000	120,000	144,000	168,000	192,000
		kW	28.1	35.2	42.2	49.2	56.3
	Cooling (Rated)	Btu/h	92,000	114,000	138,000	160,000	184,000
		kW	27.0	33.4	40.4	46.9	53.9
Input	Cooling (Nominal)	kW	5.90	8.51	10.32	12.39	13.91
	Cooling (Rated)	kW	5.49	7.86	9.65	10.20	11.85
EER (Nominal)			4.76	4.14	4.09	3.97	4.05
EER (Rated)			4.92	4.25	4.19	4.60	4.55
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm^3/rev	62.1	62.1	62.1	62.1 x 1 + 43.8 x 1	62.1 x 2
	Number of Revolution	rev/min	3,600	3,600	3,600	3,600 x 2	3,600 x 2
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	1,200	1,200	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m^3/min	240 x 1	240 x 1	320 x 1	320 x 1	320 x 1
		ft^3/min	8,476 x 1	8,476 x 1	11,301 x 1	11,301 x 1	11,301 x 1
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Gas	mm(inch)	22.2(7/8)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Dimensions (W x H x D)		mm	(930 x 1,690 x 760) x 1		(1,240 x 1,690 x 760) x 1		
		inch	(36-5/8 x 66-17/32 x 29-29/32) x 1		(48-13/16 x 66-17/32 x 29-29/32) x 1		
Net Weight		kg	188 x 1	188 x 1	224 x 1	264 x 1	276 x 1
		lbs	414 x 1	414 x 1	488 x 1	581 x 1	607 x 1
Sound Pressure Level (Cooling)		dB(A)	58.0	59.0	60.0	60.5	62.0
Sound Power Level (Cooling)		dB(A)	78.0	79.0	82.0	83.0	86.0
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 (VCTF-SB)		mm^2 x No.	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	10.0	10.0	13.0	13.0	14.0
		lbs	22.0	22.0	28.7	28.7	30.9
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			16(25)	20(30)	23(35)	26(40)	29(45)

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 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 I3741 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).

MULTI V 5 COOLING ONLY 220V

ARUV216BTE5 / ARUV241BTE5
ARUV264BTE5 / ARUV288BTE5
ARUV312BTE5

RT			18	20	22	24	26
Model Name	Combination Unit		ARUV216BTE5	ARUV241BTE5	ARUV264BTE5	ARUV288BTE5	ARUV312BTE5
	Independent Unit		ARUV216BTE5	ARUV241BTE5	ARUV264BTE5	ARUV168BTE5 ARUV121BTE5	ARUV192BTE5 ARUV121BTE5
Capacity	Cooling (Nominal)	Btu/h	216,000	240,000	264,000	288,000	312,000
		kW	63.3	70.3	77.4	84.4	91.5
	Cooling (Rated)	Btu/h	206,000	222,000	252,000	274,000	298,000
		kW	60.4	65.1	73.9	80.3	87.3
Input	Cooling (Nominal)	kW	15.54	19.20	22.24	20.90	22.42
	Cooling (Rated)	kW	14.55	17.40	20.80	18.06	19.71
EER (Nominal)			4.07	3.66	3.48	4.04	4.08
EER (Rated)			4.15	3.74	3.55	4.45	4.43
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm^3/rev	62.1 x 2	62.1 x 2	62.1 x 2	(62.1 x 2) + (43.8 x 1)	62.1 x 3
	Number of Revolution	rev/min	3,600 x 2	3,600 x 2	3,600 x 2	3,600 x 3	3,600 x 3
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)	5,300 x 3
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	900 x 2	900 x 2	900 x 2	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	320 x 1	320 x 1	320 x 1	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft^3/min	11,301 x 1	11,301 x 1	11,301 x 1	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	28.58(1-1/8)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 1			(1,240 x 1,690 x 760) x 1+ (930 x 1,690 x 760) x 1	
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1			(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	
Net Weight		kg	276 x 1	279 x 1	279 x 1	(264 x 1) + (188 x 1)	(276 x 1) + (188 x 1)
		lbs	607 x 1	614 x 1	614 x 1	(581 x 1) + (414 x 1)	(607 x 1) + (414 x 1)
Sound Pressure Level (Cooling)		dB(A)	64.5	65.0	65.0	62.8	63.8
Sound Power Level (Cooling)		dB(A)	86.0	88.0	88.0	84.5	86.8
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 (VCTF-SB)		mm^2 x No.	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	14.0	16.0	16.0	23.0	24.0
		lbs	30.9	35.3	35.3	50.7	52.9
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			32(50)	35(44)	39(48)	42(52)	45(56)

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 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 I3741 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).

MULTI V 5 COOLING ONLY 220V

ARUV336BTE5 / ARUV360BTE5
ARUV384BTE5 / ARUV408BTE5
ARUV432BTE5

RT			28	30	32	34	36
Model Name	Combination Unit		ARUV336BTE5	ARUV360BTE5	ARUV384BTE5	ARUV408BTE5	ARUV432BTE5
	Independent Unit		ARUV216BTE5 ARUV121BTE5	ARUV241BTE5 ARUV121BTE5	ARUV241BTE5 ARUV144BTE5	ARUV241BTE5 ARUV168BTE5	ARUV241BTE5 ARUV192BTE5
Capacity	Cooling (Nominal)	Btu/h	336,000	360,000	384,000	408,000	432,000
		kW	98.5	105.5	112.5	119.5	126.6
	Cooling (Rated)	Btu/h	320,000	336,000	360,000	382,000	406,000
		kW	93.8	98.5	105.5	112.0	119.0
Input	Cooling (Nominal)	kW	24.05	27.71	29.52	31.59	33.11
	Cooling (Rated)	kW	22.41	25.26	27.05	27.60	29.25
EER (Nominal)			4.09	3.81	3.81	3.79	3.82
EER (Rated)			4.19	3.90	3.90	4.06	4.07
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm³/rev	62.1 x 3	62.1 x 3	62.1 x 3	(62.1 x 3) + (43.8 x 1)	62.1 x 4
	Number of Revolution	rev/min	3,600 x 3	3,600 x 3	3,600 x 3	3,600 x 4	3,600 x 4
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	5,300 x 3	(5,300 x 3) + (4,200 x 1)	5,300 x 4
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	900 x 4	900 x 4	900 x 4
	Air Flow Rate (High)	m³/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	320 x 2	320 x 2	320 x 2
		ft³/min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	11,301 x 2	11,301 x 2	11,301 x 2
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	34.9(1-3/8)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1		(1,240 x 1,690 x 760) x 2		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1		(48-13/16 x 66-17/32 x 29-29/32) x 2		
Net Weight		kg	(276 x 1) + (188 x 1)	(279 x 1) + (188 x 1)	(279 x 1) + (220 x 1)	(279 x 1) + (260 x 1)	(279 x 1) + (276 x 1)
		lbs	(607 x 1) + (414 x 1)	(614 x 1) + (414 x 1)	(614 x 1) + (485 x 1)	(614 x 1) + (573 x 1)	(614 x 1) + (607 x 1)
Sound Pressure Level (Cooling)		dB(A)	65.6	66.0	66.2	66.3	66.8
Sound Power Level (Cooling)		dB(A)	86.8	88.5	89.0	89.2	90.1
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 (VCTF-SB)		mm² x No.	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	24.0	26.0	29.0	29.0	30.0
		lbs	52.9	57.3	63.9	63.9	66.1
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			49(60)	52(64)	55(64)	58(64)	61(64)

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 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 I3741 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).

MULTI V 5 COOLING ONLY 220V

ARUV456BTE5 / ARUV480BTE5
ARUV504BTE5 / ARUV530BTE5
ARUV554BTE5

RT			38	40	42	44	46
Model Name	Combination Unit		ARUV456BTE5	ARUV480BTE5	ARUV504BTE5	ARUV530BTE5	ARUV554BTE5
	Independent Unit		ARUV241BTE5 ARUV216BTE5	ARUV241BTE5 ARUV241BTE5	ARUV241BTE5 ARUV144BTE5 ARUV121BTE5	ARUV241BTE5 ARUV168BTE5 ARUV121BTE5	ARUV241BTE5 ARUV192BTE5 ARUV121BTE5
Capacity	Cooling (Nominal)	Btu/h	456,000	480,000	504,000	528,000	552,000
		kW	133.6	140.6	147.7	154.7	161.8
	Cooling (Rated)	Btu/h	428,000	444,000	474,000	496,000	520,000
		kW	125.5	130.2	138.9	145.4	152.4
Input	Cooling (Nominal)	kW	34.74	38.40	38.03	40.10	41.62
	Cooling (Rated)	kW	31.95	34.80	34.91	35.46	37.11
EER (Nominal)			3.85	3.66	3.88	3.86	3.89
EER (Rated)			3.93	3.74	3.98	4.10	4.11
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm³/rev	62.1 x 4	62.1 x 4	62.1 x 4	(62.1 x 4) + (43.8 x 1)	62.1 x 5
	Number of Revolution	rev/min	3,600 x 4	3,600 x 4	3,600 x 4	3,600 x 5	3,600 x 5
	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	5,300 x 4	(5,300 x 4) + (4,200 x 1)	5,300 x 5
	Starting Method		Direct On Line				
	Oil Type		PVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	900 x 4	900 x 4	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)
	Air Flow Rate (High)	m³/min	320 x 2	320 x 2	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)
		ft³/min	11,301 x 2	11,301 x 2	(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				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 2		(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2		(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1		
Net Weight		kg	(279 x 1) + (276 x 1)	279 x 2	(279 x 1) + (224 x 1) + (188 x 1)	(279 x 1) + (264 x 1) + (188 x 1)	(279 x 1) + (276 x 1) + (188 x 1)
		lbs	(614 x 1) + (607 x 1)	614 x 2	(614 x 1) + (485 x 1) + (414 x 1)	(614 x 1) + (573 x 1) + (414 x 1)	(614 x 1) + (607 x 1) + (414 x 1)
Sound Pressure Level (Cooling)		dB(A)	67.8	68.0	67.0	67.1	67.4
Sound Power Level (Cooling)		dB(A)	90.1	91.0	89.4	89.6	90.4
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 (VCTF-SB)		mm² x No.	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	30.0	32.0	39.0	39.0	40.0
		lbs	66.1	70.5	86.0	86.0	88.2
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64	64	64

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 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 I3741 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).

MULTI V 5 COOLING ONLY 220V

ARUV578BTE5 / ARUV603BTE5
ARUV626BTE5 / ARUV650BTE5
ARUV674BTE5

RT			48	50	52	54	56
Model Name	Combination Unit		ARUV578BTE5	ARUV603BTE5	ARUV626BTE5	ARUV650BTE5	ARUV674BTE5
	Independent Unit		ARUV241BTE5 ARUV216BTE5 ARUV121BTE5	ARUV241BTE5 ARUV241BTE5 ARUV121BTE5	ARUV241BTE5 ARUV241BTE5 ARUV144BTE5	ARUV241BTE5 ARUV241BTE5 ARUV168BTE5	ARUV241BTE5 ARUV241BTE5 ARUV192BTE5
Capacity	Cooling (Nominal)	Btu/h	576,000	600,000	624,000	648,000	672,000
		kW	168.8	175.8	182.8	189.8	196.9
	Cooling (Rated)	Btu/h	542,000	558,000	582,000	604,000	628,000
		kW	158.9	163.6	170.6	177.1	184.1
Input	Cooling (Nominal)	kW	43.25	46.91	48.72	50.79	52.31
	Cooling (Rated)	kW	39.81	42.66	44.45	45.00	46.65
EER (Nominal)			3.90	3.75	3.75	3.74	3.76
EER (Rated)			3.99	3.83	3.84	3.93	3.95
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm³/rev	62.1 x 5	62.1 x 5	62.1 x 5	(62.1 x 5) + (43.8 x 1)	62.1 x 6
	Number of Revolution	rev/min	3,600 x 5	3,600 x 5	3,600 x 5	3,600 x 6	3,600 x 6
	Motor Output x Number	W x No.	5,300 x 5	5,300 x 5	5,300 x 5	(5,300 x 5) + (4,200 x 1)	5,300 x 6
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	900 x 6	900 x 6	900 x 6
	Air Flow Rate (High)	m³/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	320 x 3	320 x 3	320 x 3
		ft³/min	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)	11,301 x 3	11,301 x 3	11,301 x 3
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	19.05(3/4)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	41.3(1-5/8)	44.5(1-3/4)	44.5(1-3/4)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1		(1,240 x 1,690 x 760) x 3		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1		(48-13/16 x 66-17/32 x 29-29/32) x 3		
Net Weight		kg	(279 x 1) + (276 x 1) + (188 x 1)	(279 x 2) + (188 x 1)	(279 x 2) + (224 x 1)	(279 x 2) + (264 x 1)	(279 x 2) + (276 x 1)
		lbs	(614 x 1) + (607 x 1) + (414 x 1)	(614 x 2) + (414 x 1)	(614 x 2) + (485 x 1)	(614 x 2) + (573 x 1)	(614 x 2) + (607 x 1)
Sound Pressure Level (Cooling)		dB(A)	68.3	68.5	68.6	68.7	69.0
Sound Power Level (Cooling)		dB(A)	90.4	91.3	91.5	91.6	92.2
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 (VCTF-SB)		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	40.0	42.0	45.0	45.0	46.0
		lbs	88.2	92.6	99.2	99.2	101.4
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64	64	64

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 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 I3741 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).

MULTI V 5 COOLING ONLY 220V

ARUV698BTE5 / ARUV723BTE5
ARUV747BTE5 / ARUV771BTE5
ARUV795BTE5

RT			58	60	62	64	66
Model Name	Combination Unit		ARUV698BTE5	ARUV723BTE5	ARUV747BTE5	ARUV771BTE5	ARUV795BTE5
	Independent Unit		ARUV241BTE5 ARUV241BTE5 ARUV216BTE5	ARUV241BTE5 ARUV241BTE5 ARUV241BTE5	ARUV241BTE5 ARUV241BTE5 ARUV144BTE5 ARUV121BTE5	ARUV241BTE5 ARUV241BTE5 ARUV168BTE5 ARUV121BTE5	ARUV241BTE5 ARUV241BTE5 ARUV192BTE5 ARUV121BTE5
Capacity	Cooling (Nominal)	Btu/h	696,000	720,000	744,000	768,000	792,000
		kW	203.9	210.9	218	225	232.1
	Cooling (Rated)	Btu/h	650,000	666,000	696,000	718,000	742,000
		kW	190.6	195.3	204	210.5	217.5
Input	Cooling (Nominal)	kW	53.94	57.60	57.23	59.30	60.82
	Cooling (Rated)	kW	49.35	52.20	52.31	52.86	54.51
EER (Nominal)			3.78	3.66	3.81	3.79	3.82
EER (Rated)			3.86	3.74	3.90	3.98	3.99
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm^3/rev	62.1 x 6	62.1 x 6	62.1 x 6	(62.1 x 6) + (43.8 x 1)	62.1 x 7
	Number of Revolution	rev/min	3,600 x 6	3,600 x 6	3,600 x 6	3,600 x 7	3,600 x 7
	Motor Output x Number	W x No.	5,300 x 6	5,300 x 6	5,300 x 6	(5,300 x 6) + (4,200 x 1)	5,300 x 7
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W	900 x 6	900 x 6	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	320 x 3	320 x 3	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(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)	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 3		(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3		(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1		
Net Weight		kg	(279 x 2) + (276 x 1)	279 x 3	(279 x 2) + (224 x 1) + (188 x 1)	(279 x 2) + (264 x 1) + (188 x 1)	(279 x 2) + (276 x 1) + (188 x 1)
		lbs	(614 x 2) + (607 x 1)	614 x 3	(614 x 2) + (485 x 1) + (414 x 1)	(614 x 2) + (573 x 1) + (414 x 1)	(614 x 2) + (607 x 1) + (414 x 1)
Sound Pressure Level (Cooling)		dB(A)	69.6	69.8	69.1	69.2	69.4
Sound Power Level (Cooling)		dB(A)	92.2	92.8	91.8	91.9	92.4
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 (VCTF-SB)		mm^2 x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	46.0	48.0	55.0	55.0	56.0
		lbs	101.4	105.8	121.3	121.3	123.5
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64	64	64

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 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 I3741 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).

MULTI V 5 COOLING ONLY 220V

ARUV819BTE5 / ARUV844BTE5
ARUV867BTE5 / ARUV891BTE5

RT			68	70	72	74
Model Name	Combination Unit		ARUV819BTE5	ARUV844BTE5	ARUV867BTE5	ARUV891BTE5
	Independent Unit		ARUV241BTE5 ARUV241BTE5 ARUV216BTE5 ARUV121BTE5	ARUV241BTE5 ARUV241BTE5 ARUV241BTE5 ARUV121BTE5	ARUV241BTE5 ARUV241BTE5 ARUV241BTE5 ARUV144BTE5	ARUV241BTE5 ARUV241BTE5 ARUV241BTE5 ARUV168BTE5
Capacity	Cooling (Nominal)	Btu/h	816,000	840,000	864,000	888,000
		kW	239.1	246.1	253.1	260.1
	Cooling (Rated)	Btu/h	764,000	780,000	804,000	826,000
		kW	224.0	228.7	235.7	242.2
Input	Cooling (Nominal)	kW	62.45	66.11	67.92	69.99
	Cooling (Rated)	kW	57.21	60.06	61.85	62.40
EER (Nominal)			3.83	3.72	3.73	3.72
EER (Rated)			3.91	3.81	3.81	3.88
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray			
	RAL code		NL503K / NA507K			
Heat Exchanger			Wide Louver Plus			
Compressor	Type		Hermetically Sealed Scroll			
	Piston Displacement	cm³/rev	62.1 x 7	62.1 x 7	62.1 x 7	(62.1 x 7) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 7	3,600 x 7	3,600 x 7	3,600 x 8
	Motor Output x Number	W x No.	5,300 x 7	5,300 x 7	5,300 x 7	(5,300 x 7) + (4,200 x 1)
	Starting Method		Direct On Line			
	Oil Type		FVC68D(PVE)			
Fan	Type		Propeller Fan			
	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	900 x 8	900 x 8
	Air Flow Rate (High)	m³/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	320 x 4	320 x 4
		ft³/min	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)	11,301 x 4	11,301 x 4
	Drive		DC INVERTER			
	Discharge	Side / Top	TOP			
Pipe Connection	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1		(1,240 x1,690 x 760) x 4	
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1		(48-13/16 x 66-17/32 x 29-29/32) x 4	
Net Weight		kg	(276 x 2) + (276 x 1) + (188 x 1)	(279 x 3) + (188 x 1)	(279 x 3) + (224 x 1)	(279 x 3) + (264 x 1)
		lbs	(614 x 2) + (607 x 1) + (414 x 1)	(614 x 3) + (414 x 1)	(614 x 3) + (485 x 1)	(614 x 3) + (573 x 1)
Sound Pressure Level (Cooling)		dB(A)	70.0	70.1	70.2	70.3
Sound Power Level (Cooling)		dB(A)	92.4	92.9	93.1	93.2
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 (VCTF-SB)		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount	kg	56.0	58.0	61.0	61.0
		lbs	123.5	127.9	134.5	134.5
	Control		Electronic Expansion Valve			
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 I3741 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)

MULTI V 5 COOLING ONLY 220V

ARUV915BTE5 / ARUV939BTE5
ARUV964BTE5

RT			76	78	80
Model Name	Combination Unit		ARUV915BTE5	ARUV939BTE5	ARUV964BTE5
	Independent Unit		ARUV241BTE5 ARUV241BTE5 ARUV241BTE5 ARUV192BTE5	ARUV241BTE5 ARUV241BTE5 ARUV241BTE5 ARUV216BTE5	ARUV241BTE5 ARUV241BTE5 ARUV241BTE5 ARUV241BTE5
Capacity	Cooling (Nominal)	Btu/h	912,000	936,000	960,000
		kW	267.2	274.2	281.2
	Cooling (Rated)	Btu/h	850,000	872,000	888,000
		kW	249.2	255.7	260.4
Input	Cooling (Nominal)	kW	71.51	73.14	76.80
	Cooling (Rated)	kW	64.05	66.75	69.60
EER (Nominal)			3.74	3.75	3.66
EER (Rated)			3.89	3.83	3.74
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray		
	RAL code		NL503K / NA507K		
Heat Exchanger			Wide Louver Plus		
Compressor	Type		Hermetically Sealed Scroll		
	Piston Displacement	cm^3/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 x Number	W x No.	5,300 x 8	5,300 x 8	5,300 x 8
	Starting Method		Direct On Line		
	Oil Type		FVC68D(PVE)		
Fan	Type		Propeller fan		
	Motor Output x Number	W x No.	900 x 8	900 x 8	900 x 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		
	Discharge	Side / Top	TOP		
Pipe Connection	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W x H x D)		mm	(1,240 x1,690 x 760) x 4		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 4		
Net Weight		kg	(279 x 3) + (276 x 1)	(279 x 3) + (276 x 1)	279 x 4
		lbs	(614 x 3) + (607 x 1)	(614 x 3) + (607 x 1)	614 x 4
Sound Pressure Level (Cooling)		dB(A)	70.4	70.9	71.0
Sound Power Level (Cooling)		dB(A)	93.6	93.6	94.0
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 (VCTF-SB)		mm^2 x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	62.0	62.0	64.0
		lbs	136.7	136.7	141.1
	Control		Electronic Expansion Valve		
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64

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 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 3741 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).

MULTI V 5 COOLING ONLY 460V

ARUV096DTE5 / ARUV121DTE5
ARUV144DTE5 / ARUV168DTE5
ARUV192DTE5

RT			8	10	12	14	16
Model Name	Combination Unit		ARUV096DTE5	ARUV121DTE5	ARUV144DTE5	ARUV168DTE5	ARUV192DTE5
	Independent Unit		ARUV096DTE5	ARUV121DTE5	ARUV144DTE5	ARUV168DTE5	ARUV192DTE5
Capacity	Cooling (Nominal)	Btu/h	96,000	120,000	144,000	168,000	192,000
		kW	28.1	35.2	42.2	49.2	56.3
	Cooling (Rated)	Btu/h	92,000	114,000	138,000	160,000	184,000
		kW	27.0	33.4	40.4	46.9	53.9
Input	Cooling (Nominal)	kW	5.90	8.51	10.32	12.39	13.91
	Cooling (Rated)	kW	5.49	7.86	9.65	10.20	11.85
EER (Nominal)			4.76	4.14	4.09	3.97	4.05
EER (Rated)			4.92	4.25	4.19	4.60	4.55
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm³/rev	62.1	62.1	62.1	62.1 x 1 + 43.8 x 1	62.1 x 2
	Number of Revolution	rev/min	3,600	3,600	3,600	3,600 x 2	3,600 x 2
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller Fan				
	Motor Output x Number	W x No.	1,200 x 1	1,200 x 1	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m³/min	240 x 1	240 x 1	320 x 1	320 x 1	320 x 1
		ft³/min	8,476 x 1	8,476 x 1	11,301 x 1	11,301 x 1	11,301 x 1
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Gas	mm(inch)	22.2(7/8)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Dimensions (W x H x D)		mm	(930 x 1,690 x 760) x 1				
		inch	(36-5/8 x 66-17/32 x 29-29/32) x 1				
Net Weight		kg	188 x 1	188 x 1	220 x 1	260 x 1	274 x 1
		lbs	414 x 1	414 x 1	485 x 1	573 x 1	604 x 1
Sound Pressure Level (Cooling)		dB(A)	58.0	59.0	60.0	60.5	62.0
Sound Power Level (Cooling)		dB(A)	78.0	79.0	82.0	83.0	86.0
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 (VCTF-SB)		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	10.0	10.0	13.0	13.0	14.0
		lbs	22.0	22.0	28.7	28.7	30.9
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			16(25)	20(30)	23(35)	26(40)	29(45)

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 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 I3741 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)

MULTI V 5 COOLING ONLY 460V

ARUV216DTE5 / ARUV241DTE5
ARUV264DTE5 / ARUV288DTE5
ARUV312DTE5

RT			18	20	22	24	26
Model Name	Combination Unit		ARUV216DTE5	ARUV241DTE5	ARUV264DTE5	ARUV288DTE5	ARUV312DTE5
	Independent Unit		ARUV216DTE5	ARUV241DTE5	ARUV264DTE5	ARUV168DTE5 ARUV121DTE5	ARUV192DTE5 ARUV121DTE5
Capacity	Cooling (Nominal)	Btu/h	216,000	240,000	264,000	288,000	312,000
		kW	63.3	70.3	77.4	84.4	91.5
	Cooling (Rated)	Btu/h	206,000	222,000	252,000	274,000	298,000
		kW	60.4	65.1	73.9	80.3	87.3
Input	Cooling (Nominal)	kW	15.54	19.20	22.24	20.90	22.42
	Cooling (Rated)	kW	14.55	17.40	20.80	18.06	19.71
EER (Nominal)			4.07	3.66	3.48	4.04	4.08
EER (Rated)			4.15	3.74	3.55	4.45	4.43
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm^3/rev	62.1 x 2	62.1 x 2	62.1 x 2	(62.1 x 2) + (43.8 x 1)	62.1 x 3
	Number of Revolution	rev/min	3,600 x 2	3,600 x 2	3,600 x 2	3,600 x 3	3,600 x 3
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)	5,300 x 3
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	900 x 2	900 x 2	900 x 2	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	320 x 1	320 x 1	320 x 1	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft^3/min	11,301 x 1	11,301 x 1	11,301 x 1	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	28.58(1-1/8)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 1			(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1			(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	
Net Weight		kg	274 x 1	276 x 1	276 x 1	(260 x 1) + (188 x 1)	(274 x 1) + (188 x 1)
		lbs	604 x 1	608 x 1	608 x 1	(573 x 1) + (414 x 1)	(604 x 1) + (414 x 1)
Sound Pressure Level (Cooling)		dB(A)	64.5	65.0	65.0	62.8	63.8
Sound Power Level (Cooling)		dB(A)	86.0	88.0	88.0	84.5	86.8
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 (VCTF-SB)		mm^2 x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	14.0	16.0	16.0	23.0	24.0
		lbs	30.9	35.3	35.3	50.7	52.9
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			32(50)	35(44)	39(48)	42(52)	45(56)

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 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 I3741 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).

MULTI V 5 COOLING ONLY 460V

ARUV336DTE5 / ARUV360DTE5
ARUV384DTE5 / ARUV408DTE5
ARUV432DTE5

RT			28	30	32	34	36
Model Name	Combination Unit		ARUV336DTE5	ARUV360DTE5	ARUV384DTE5	ARUV408DTE5	ARUV432DTE5
	Independent Unit		ARUV216DTE5 ARUV121DTE5	ARUV241DTE5 ARUV121DTE5	ARUV241DTE5 ARUV144DTE5	ARUV241DTE5 ARUV168DTE5	ARUV241DTE5 ARUV192DTE5
Capacity	Cooling (Nominal)	Btu/h	336,000	360,000	384,000	408,000	432,000
		kW	98.5	105.5	112.5	119.5	126.6
	Cooling (Rated)	Btu/h	320,000	336,000	360,000	382,000	406,000
		kW	93.8	98.5	105.5	112.0	119.0
Input	Cooling (Nominal)	kW	24.05	27.71	29.52	31.59	33.11
	Cooling (Rated)	kW	22.41	25.26	27.05	27.60	29.25
EER (Nominal)			4.09	3.81	3.81	3.79	3.82
EER (Rated)			4.19	3.90	3.90	4.06	4.07
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm³/rev	62.1 x 3	62.1 x 3	62.1 x 3	(62.1 x 3) + (43.8 x 1)	62.1 x 4
	Number of Revolution	rev/min	3,600 x 3	3,600 x 3	3,600 x 3	3,600 x 4	3,600 x 4
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	5,300 x 3	(5,300 x 3) + (4,200 x 1)	5,300 x 4
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	900 x 4	900 x 4	900 x 4
	Air Flow Rate (High)	m³/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	320 x 2	320 x 2	320 x 2
		ft³/min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	11,301 x 2	11,301 x 2	11,301 x 2
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	34.9(1-3/8)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2			
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2			
Net Weight		kg	(274 x 1) + (188 x 1)	(276 x 1) + (188 x 1)	(276 x 1) + (220 x 1)	(276 x 1) + (260 x 1)	(276 x 1) + (274 x 1)
		lbs	(604 x 1) + (414 x 1)	(608 x 1) + (414 x 1)	(608 x 1) + (485 x 1)	(608 x 1) + (573 x 1)	(608 x 1) + (604 x 1)
Sound Pressure Level (Cooling)		dB(A)	65.6	66.0	66.2	66.3	66.8
Sound Power Level (Cooling)		dB(A)	86.8	88.5	89.0	89.2	90.1
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 (VCTF-SB)		mm² x No.	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	24.0	26.0	29.0	29.0	30.0
		lbs	52.9	57.3	63.9	63.9	66.1
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			49(60)	52(64)	55(64)	58(64)	61(64)

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 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 I3741 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)

MULTI V 5 COOLING ONLY 460V

ARUV456DTE5 / ARUV480DTE5
ARUV504DTE5 / ARUV530DTE5
ARUV554DTE5

RT			38	40	42	44	46
Model Name	Combination Unit		ARUV456DTE5	ARUV480DTE5	ARUV504DTE5	ARUV530DTE5	ARUV554DTE5
	Independent Unit		ARUV241DTE5 ARUV216DTE5	ARUV241DTE5 ARUV241DTE5	ARUV241DTE5 ARUV144DTE5 ARUV121DTE5	ARUV241DTE5 ARUV168DTE5 ARUV121DTE5	ARUV241DTE5 ARUV192DTE5 ARUV121DTE5
Capacity	Cooling (Nominal)	Btu/h	456,000	480,000	504,000	528,000	552,000
		kW	133.6	140.6	147.7	154.7	161.8
	Cooling (Rated)	Btu/h	428,000	444,000	474,000	496,000	520,000
		kW	125.5	130.2	138.9	145.4	152.4
Input	Cooling (Nominal)	kW	34.74	38.40	38.03	40.10	41.62
	Cooling (Rated)	kW	31.95	34.80	34.91	35.46	37.11
EER (Nominal)			3.85	3.66	3.88	3.86	3.89
EER (Rated)			3.93	3.74	3.98	4.10	4.11
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm³/rev	62.1 x 4	62.1 x 4	62.1 x 4	(62.1 x 4) + (43.8 x 1)	62.1 x 5
	Number of Revolution	rev/min	3,600 x 4	3,600 x 4	3,600 x 4	3,600 x 5	3,600 x 5
	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	5,300 x 4	(5,300 x 4) + (4,200 x 1)	5,300 x 5
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	900 x 4	900 x 4	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)
	Air Flow Rate (High)	m³/min	320 x 2	320 x 2	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)
		ft³/min	11,301 x 2	11,301 x 2	(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				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 2		(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2		(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1		
Net Weight		kg	(276 x 1) + (274 x 1)	276 x 2	(276 x 1) + (220 x 1) + (188 x 1)	(276 x 1) + (260 x 1) + (188 x 1)	(276 x 1) + (274 x 1) + (188 x 1)
		lbs	(608 x 1) + (604 x 1)	608 x 2	(608 x 1) + (485 x 1) + (414 x 1)	(608 x 1) + (573 x 1) + (414 x 1)	(608 x 1) + (604 x 1) + (414 x 1)
Sound Pressure Level (Cooling)		dB(A)	67.8	68.0	67.0	67.1	67.4
Sound Power Level (Cooling)		dB(A)	90.1	91.0	89.4	89.6	90.4
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 (VCTF-SB)		mm² x No.	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	30.0	32.0	39.0	39.0	40.0
		lbs	66.1	70.5	86.0	86.0	88.2
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64	64	64

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 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 I3741 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).

MULTI V 5 COOLING ONLY 460V

ARUV578DTE5 / ARUV603DTE5
ARUV626DTE5 / ARUV650DTE5
ARUV674DTE5

RT			48	50	52	54	56
Model Name	Combination Unit		ARUV578DTE5	ARUV603DTE5	ARUV626DTE5	ARUV650DTE5	ARUV674DTE5
	Independent Unit		ARUV241DTE5 ARUV216DTE5 ARUV121DTE5	ARUV241DTE5 ARUV241DTE5 ARUV121DTE5	ARUV241DTE5 ARUV241DTE5 ARUV144DTE5	ARUV241DTE5 ARUV241DTE5 ARUV168DTE5	ARUV241DTE5 ARUV241DTE5 ARUV192DTE5
Capacity	Cooling (Nominal)	Btu/h	576,000	600,000	624,000	648,000	672,000
		kW	168.8	175.8	182.8	189.8	196.9
	Cooling (Rated)	Btu/h	542,000	558,000	582,000	604,000	628,000
		kW	158.9	163.6	170.6	177.1	184.1
Input	Cooling (Nominal)	kW	43.25	46.91	48.72	50.79	52.31
	Cooling (Rated)	kW	39.81	42.66	44.45	45.00	46.65
EER (Nominal)			3.90	3.75	3.75	3.74	3.76
EER (Rated)			3.99	3.83	3.84	3.93	3.95
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm³/rev	62.1 x 5	62.1 x 5	62.1 x 5	(62.1 x 5) + (43.8 x 1)	62.1 x 6
	Number of Revolution	rev/min	3,600 x 5	3,600 x 5	3,600 x 5	3,600 x 6	3,600 x 6
	Motor Output x Number	W x No.	5,300 x 5	5,300 x 5	5,300 x 5	(5,300 x 5) + (4,200 x 1)	5,300 x 6
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W x No.	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	900 x 6	900 x 6	900 x 6
	Air Flow Rate (High)	m³/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	320 x 3	320 x 3	320 x 3
		ft³/min	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)	11,301 x 3	11,301 x 3	11,301 x 3
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	19.05(3/4)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	41.3(1-5/8)	44.5(1-3/4)	44.5(1-3/4)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1		(1,240 x 1,690 x 760) x 3		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1		(48-13/16 x 66-17/32 x 29-29/32) x 3		
Net Weight		kg	(276 x 1) + (274 x 1) + (188 x 1)	(276 x 2) + (188 x 1)	(276 x 2) + (220 x 1)	(276 x 2) + (260 x 1)	(276 x 2) + (274 x 1)
		lbs	(608 x 1) + (604 x 1) + (414 x 1)	(608 x 2) + (414 x 1)	(608 x 2) + (485 x 1)	(608 x 2) + (573 x 1)	(608 x 2) + (604 x 1)
Sound Pressure Level (Cooling)		dB(A)	68.3	68.5	68.6	68.7	69.0
Sound Power Level (Cooling)		dB(A)	90.4	91.3	91.5	91.6	92.2
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 (VCTF-SB)		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	40.0	42.0	45.0	45.0	46.0
		lbs	88.2	92.6	99.2	99.2	101.4
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64	64	64

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 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 I3741 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)

MULTI V 5 COOLING ONLY 460V

ARUV698DTE5 / ARUV723DTE5
ARUV747DTE5 / ARUV771DTE5
ARUV795DTE5

RT			58	60	62	64	66
Model Name	Combination Unit		ARUV698DTE5	ARUV723DTE5	ARUV747DTE5	ARUV771DTE5	ARUV795DTE5
	Independent Unit		ARUV241DTE5 ARUV241DTE5 ARUV216DTE5	ARUV241DTE5 ARUV241DTE5 ARUV241DTE5	ARUV241DTE5 ARUV241DTE5 ARUV144DTE5 ARUV121DTE5	ARUV241DTE5 ARUV241DTE5 ARUV168DTE5 ARUV121DTE5	ARUV241DTE5 ARUV241DTE5 ARUV192DTE5 ARUV121DTE5
Capacity	Cooling (Nominal)	Btu/h	696,000	720,000	744,000	768,000	792,000
		kW	203.9	210.9	218	225	232.1
	Cooling (Rated)	Btu/h	650,000	666,000	696,000	718,000	742,000
		kW	190.6	195.3	204	210.5	217.5
Input	Cooling (Nominal)	kW	53.94	57.60	57.23	59.30	60.82
	Cooling (Rated)	kW	49.35	52.20	52.31	52.86	54.51
EER (Nominal)			3.78	3.66	3.81	3.79	3.82
EER (Rated)			3.86	3.74	3.90	3.98	3.99
Power Factor	Rated	-	0.93	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray				
	RAL code		NL503K / NA507K				
Heat Exchanger			Wide Louver Plus				
Compressor	Type		Hermetically Sealed Scroll				
	Piston Displacement	cm^3/rev	62.1 x 6	62.1 x 6	62.1 x 6	(62.1 x 6) + (43.8 x 1)	62.1 x 7
	Number of Revolution	rev/min	3,600 x 6	3,600 x 6	3,600 x 6	3,600 x 7	3,600 x 7
	Motor Output x Number	W x No.	5,300 x 6	5,300 x 6	5,300 x 6	(5,300 x 6) + (4,200 x 1)	5,300 x 7
	Starting Method		Direct On Line				
	Oil Type		FVC68D(PVE)				
Fan	Type		Propeller fan				
	Motor Output x Number	W x No.	900 x 6	900 x 6	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	320 x 3	320 x 3	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(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)	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)
	Drive		DC INVERTER				
	Discharge	Side / Top	TOP				
Pipe Connection	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 3		(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3		(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1		
Net Weight		kg	(276 x 2) + (274 x 1)	276 x 3	(276 x 2) + (220 x 1) + (188 x 1)	(276 x 2) + (260 x 1) + (188 x 1)	(276 x 2) + (274 x 1) + (188 x 1)
		lbs	(608 x 2) + (604 x 1)	608 x 3	(608 x 2) + (485 x 1) + (414 x 1)	(608 x 2) + (573 x 1) + (414 x 1)	(608 x 2) + (604 x 1) + (414 x 1)
Sound Pressure Level (Cooling)		dB(A)	69.6	69.8	69.1	69.2	69.4
Sound Power Level (Cooling)		dB(A)	92.2	92.8	91.8	91.9	92.4
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 (VCTF-SB)		mm^2 x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount	kg	46.0	48.0	55.0	55.0	56.0
		lbs	101.4	105.8	121.3	121.3	123.5
	Control		Electronic Expansion Valve				
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64	64	64

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 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 I3741 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).

MULTI V 5 COOLING ONLY 460V

ARUV819DTE5 / ARUV844DTE5
ARUV867DTE5 / ARUV891DTE5

RT			68	70	72	74
Model Name	Combination Unit		ARUV819DTE5	ARUV844DTE5	ARUV867DTE5	ARUV891DTE5
	Independent Unit		ARUV241DTE5 ARUV241DTE5 ARUV216DTE5 ARUV121DTE5	ARUV241DTE5 ARUV241DTE5 ARUV241DTE5 ARUV121DTE5	ARUV241DTE5 ARUV241DTE5 ARUV241DTE5 ARUV144DTE5	ARUV241DTE5 ARUV241DTE5 ARUV241DTE5 ARUV168DTE5
Capacity	Cooling (Nominal)	Btu/h	816,000	840,000	864,000	888,000
		kW	239.1	246.1	253.1	260.1
	Cooling (Rated)	Btu/h	764,000	780,000	804,000	826,000
		kW	224.0	228.7	235.7	242.2
Input	Cooling (Nominal)	kW	62.45	66.11	67.92	69.99
	Cooling (Rated)	kW	57.21	60.06	61.85	62.40
EER (Nominal)			3.83	3.72	3.73	3.72
EER (Rated)			3.91	3.81	3.81	3.88
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray			
	RAL code		NL503K / NA507K			
Heat Exchanger			Wide Louver Plus			
Compressor	Type		Hermetically Sealed Scroll			
	Piston Displacement	cm³/rev	62.1 x 7	62.1 x 7	62.1 x 7	(62.1 x 7) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 7	3,600 x 7	3,600 x 7	3,600 x 8
	Motor Output x Number	W x No.	5,300 x 7	5,300 x 7	5,300 x 7	(5,300 x 7) + (4,200 x 1)
	Starting Method		Direct On Line			
	Oil Type		FVC68D(PVE)			
Fan	Type		Propeller fan			
	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	900 x 8	900 x 8
	Air Flow Rate (High)	m³/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	320 x 4	320 x 4
		ft³/min	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)	11,301 x 4	11,301 x 4
	Drive		DC INVERTER			
	Discharge	Side / Top	TOP			
Pipe Connection	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1		(1,240 x1,690 x 760) x 4	
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1		(48-13/16 x 66-17/32 x 29-29/32) x 4	
Net Weight		kg	(276 x 2) + (274 x 1) + (188 x 1)	(276 x 3) + (188 x 1)	(276 x 3) + (220 x 1)	(276x3) + (260x1)
		lbs	(608 x 2) + (604 x 1) + (414 x 1)	(608 x 3) + (414 x 1)	(608 x 3) + (485 x 1)	(608 x 3) + (573x 1)
Sound Pressure Level (Cooling)		dB(A)	70.0	70.1	70.2	70.3
Sound Power Level (Cooling)		dB(A)	92.4	92.9	93.1	93.2
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 (VCTF-SB)		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount	kg	56.0	58.0	61.0	61.0
		lbs	123.5	127.9	134.5	134.5
	Control		Electronic Expansion Valve			
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64	64

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 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 I3741 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)

MULTI V 5 COOLING ONLY 460V

ARUV915DTE5 / ARUV939DTE5
ARUV964DTE5

RT			76	78	80
Model Name	Combination Unit		ARUV915DTE5	ARUV939DTE5	ARUV964DTE5
	Independent Unit		ARUV241DTE5 ARUV241DTE5 ARUV241DTE5 ARUV192DTE5	ARUV241DTE5 ARUV241DTE5 ARUV241DTE5 ARUV216DTE5	ARUV241DTE5 ARUV241DTE5 ARUV241DTE5 ARUV241DTE5
Capacity	Cooling (Nominal)	Btu/h	912,000	936,000	960,000
		kW	267.2	274.2	281.2
	Cooling (Rated)	Btu/h	850,000	872,000	888,000
		kW	249.2	255.7	260.4
Input	Cooling (Nominal)	kW	71.51	73.14	76.80
	Cooling (Rated)	kW	64.05	66.75	69.60
EER (Nominal)			3.74	3.75	3.66
EER (Rated)			3.89	3.83	3.74
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray		
	RAL code		NL503K / NA507K		
Heat Exchanger			Wide Louver Plus		
Compressor	Type		Hermetically Sealed Scroll		
	Piston Displacement	cm^3/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 x Number	W x No.	5,300 x 8	5,300 x 8	5,300 x 8
	Starting Method		Direct On Line		
	Oil Type		FVC68D(PVE)		
Fan	Type		Propeller fan		
	Motor Output x Number	W x No.	900 x 8	900 x 8	900 x 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		
	Discharge	Side / Top	TOP		
Pipe Connection	Liquid	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W x H x D)		mm	(1,240 x1,690 x 760) x 4		
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 4		
Net Weight		kg	(276 x 3) + (274 x 1)	(276 x 3) + (274 x 1)	276 x 4
		lbs	(608 x 3) + (604 x 1)	(608 x 3) + (604 x 1)	608 x 4
Sound Pressure Level (Cooling)		dB(A)	70.4	70.9	71.0
Sound Power Level (Cooling)		dB(A)	93.6	93.6	94.0
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 (VCTF-SB)		mm^2 x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	62.0	62.0	64.0
		lbs	136.7	136.7	141.1
	Control		Electronic Expansion Valve		
Power Supply		Ø, V, Hz	3, 220-240, 50	3, 220-240, 50	3, 220-240, 50
			3, 220, 60	3, 220, 60	3, 220, 60
Number of maximum connectable indoor units			64	64	64

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 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 I3741 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).

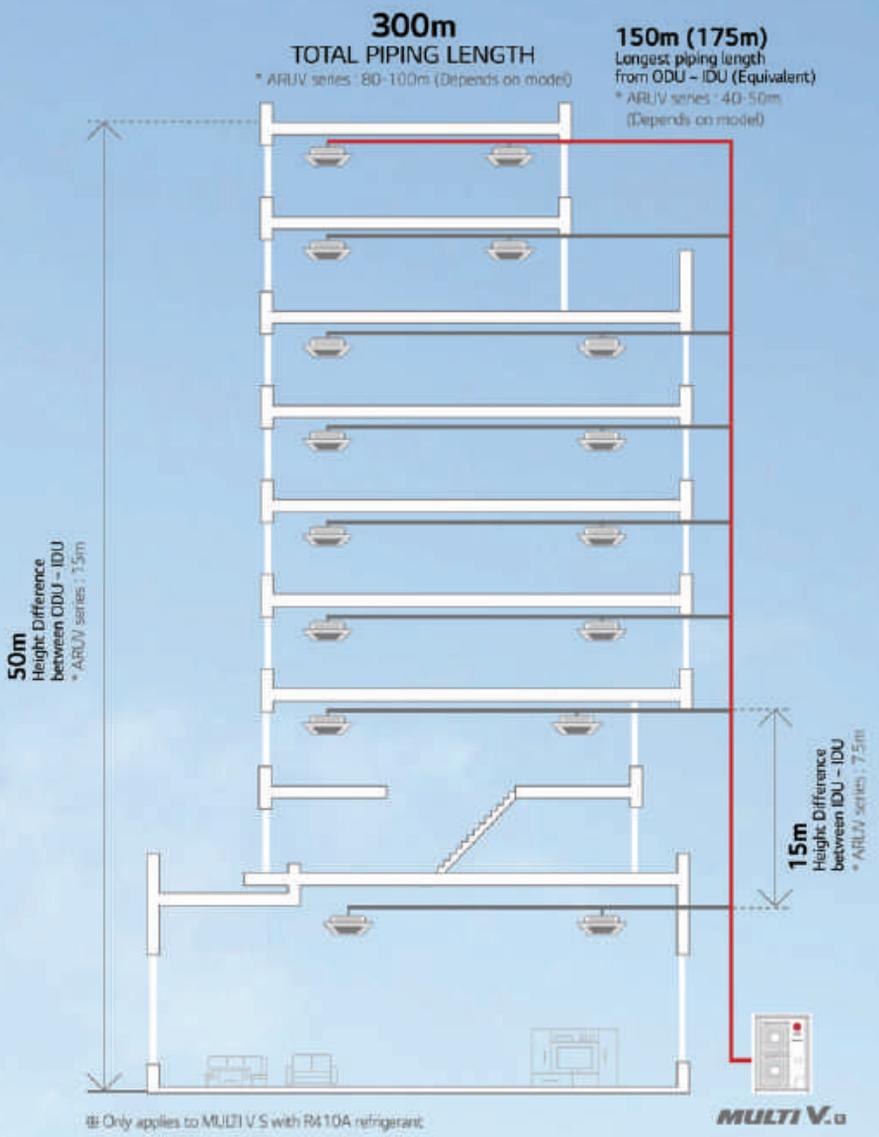
MULTI V™ S

- Air cooled VRF Heat pump & Heat Recovery
- 9.2 ~ 33.6kW (Cooling capacity based)
- Both 1Ø, 220 ~ 240V, 50Hz and 3Ø, 380 ~ 415V, 50Hz
- Side discharge outdoor unit
- Includes the industry's first single phase Heat Recovery system

300M

TOTAL PIPING LENGTH

Compact yet powerful VRF For premium residences and small offices



How does it work?

Available in Heat Pump and Heat Recovery Configurations

Combination of Cooling, Heating and Hot Water Solution

※ Heat Pump and Recovery are separated models.

Energy savings

Reliability

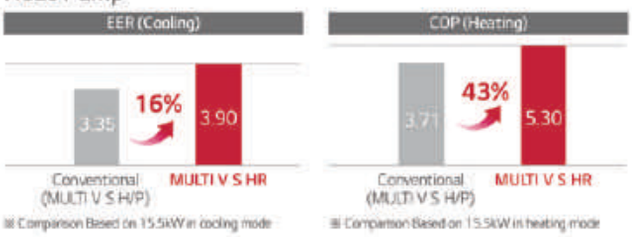
Convenience

ENERGY SAVINGS

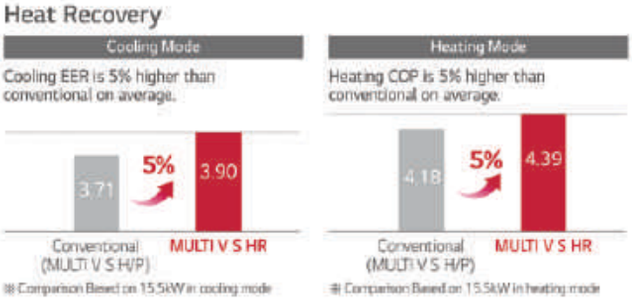
EER / COP / Part Load

Cost savings with energy efficiency

Heat Pump



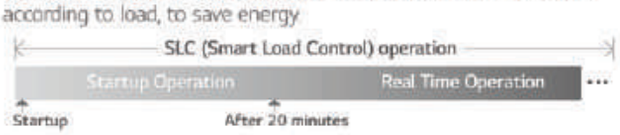
Heat Recovery



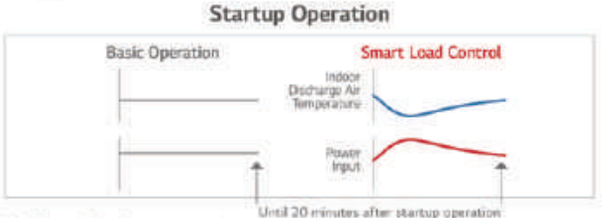
Smart Load Control Applied

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

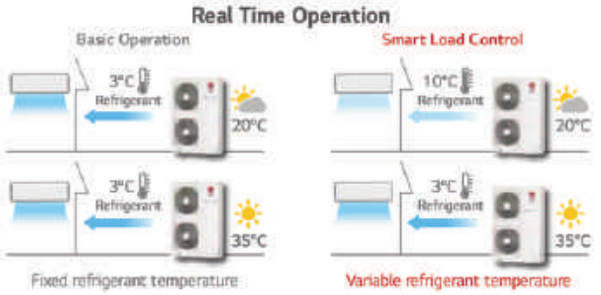


※ Indoor air discharge temperature

- 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

Max. 10% Energy saving

Real Time Operation



Max. 13% Energy saving

※ How to set up : By dip switch in outdoor unit (Referred to Product Data Book) Factory default setting is Off.

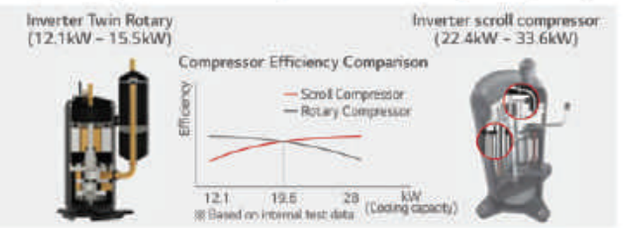
※ ESEER (European seasonal energy efficiency Ratio) conditions based on 15.5kW unit

- Outdoor temperacure condicion :
  EER 100% / 75% / 50% / 25% = 35°C (DB) / 30°C (DB) / 25°C (DB) / 20°C (DB)
- Indoor temperature condition : 27°C (DB) / 19°C (WB)

※ Dual sensing (Temperature & humidity) Smart Load Control is possible with Remote controller PTEMTB100 (White) /PREMTBB10 (Black)

Inverter Twin Rotary & Inverter Scroll Compressor

Adapted High Efficient Compressor according to Capacity



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 15Hz : 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

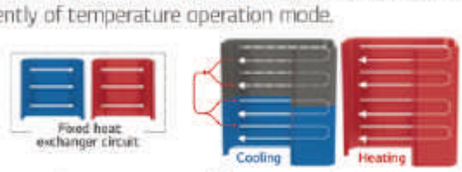
Scroll Profile

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

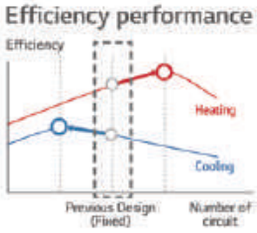
Optimal Heat Exchanger

Maximize Efficiency according to different Heat Exchanger path by cooling and heating

Variable Heat Exchanger Circuit intelligently selects the optimal path for both heating and cooling operations. With this smart path selection technology, an average of 6% increase in the efficiency of both operations has been achieved. The paths number and circuit velocity are adjusted to match temperatures and operation modes in order to maximize efficiency instead of compromising efficiency for each operation when the number and direction of paths are fixed independently of temperature operation mode.

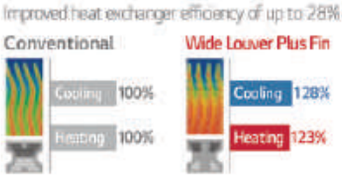


Efficiency performance



Efficiency up due to Fin shape

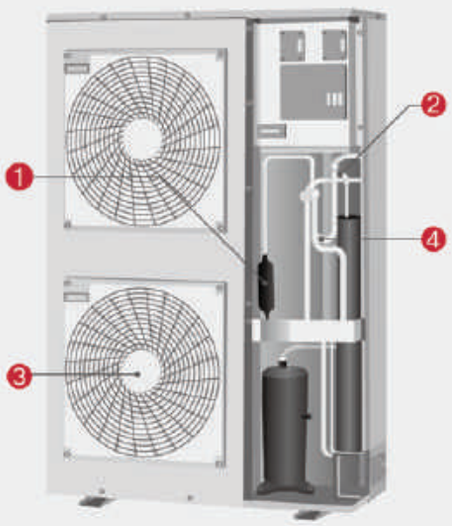
Improved heat exchanger efficiency of up to 28%



RELIABILITY

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

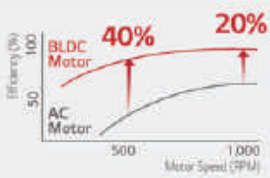
- Highly reliable and efficient oil separation by centrifuge using cyclonic methods
- High collection efficiency as well as outstanding resistance to high temperature and pressure

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* 175m) and high elevation (up to* 50m)
  → 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

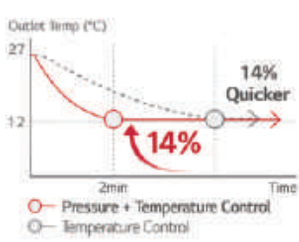
Temperature + Pressure Control

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

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.



Corrosion Resistance Black Fin

Strong Durability against high salinity and heavily polluted air

Ocean Black Fin ensures continued operation of MULTI V S in highly corrosive environments like salt concentration in coastal towns or severe air pollution in industrial cities keeps. This improvement in durability prolongs the product's lifespan and lowers both the operational and maintenance costs.

Corrosion Resistance Proven by Certified Tests

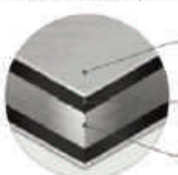
LG Corrosion Resistance solution passed ISO 21207 accelerated corrosion test conducted by an independent test organization and the result has been certified by prestigious global certification organization, TUV.

Certified protection

※ Verification of corrosion resistance performance
- Declared by TUV Rheinland
- Test Method B of ISO21207
- Test condition : Salt contaminated condition + severe industrial / traffic environment (NO_2 / SO_2)

Enhanced Coating Layers

The black coating with enhanced epoxy resin is applied for strong protection from various corrosive external conditions such as salt contamination and air pollution. Moreover, the hydrophilic film keeps water from accumulating on the heat exchanger's fin, minimizing moisture buildup and eventually making it even more corrosion resistant.



Hydrophilic film (Water flow)
The Hydrophilic coating minimizes moisture buildup on the fin.

Acryl + Epoxy + Melamine resin (Corrosion resistant)
The Black coating provides strong protection from corrosion.

Aluminum fin

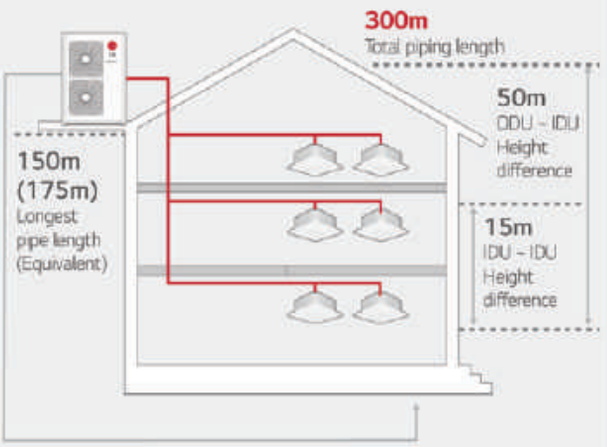
IMPROVED USER CONVENIENCE

Sufficient Piping Length

Increased piping length allows for flexible design and installation

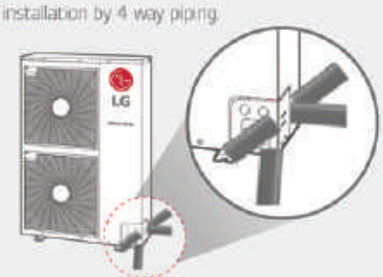
MULTI V S inverter technology and sub cooling control circuit technology allows greater piping length and outstanding elevation differences. A cooling system can be implemented more flexibly in a shop, office and even high-rise building, reducing the designer's work time and providing more efficient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

Piping Capabilities (ARUN series)



4 Way Piping

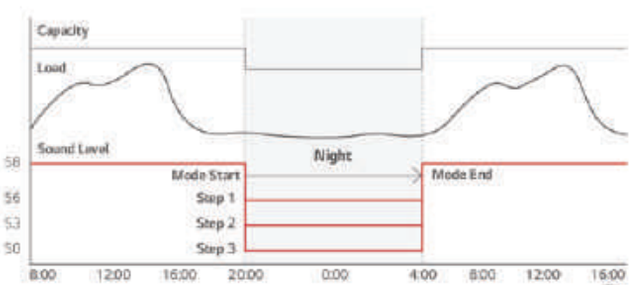
- Free design and installation by 4 way piping

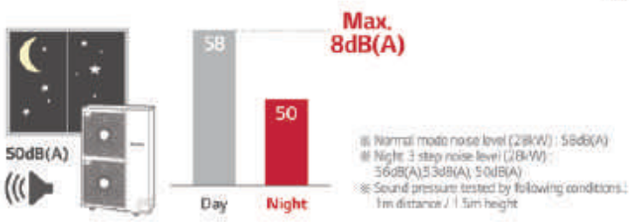


Low Noise Operation

Decreased noise during operation with low noise functionality

At night mode, noise reduced maximum 14% compared to normal mode.





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

Fan Technology and RPM Control

External static pressure control for outdoor unit fan to adapt more flexibly to various installation conditions of outdoor unit

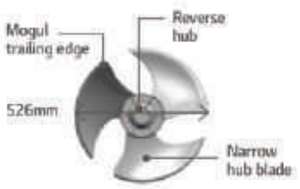
For enhanced efficiency, new axial fan boasts higher air volume, increased static pressure and decreased noise.

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.

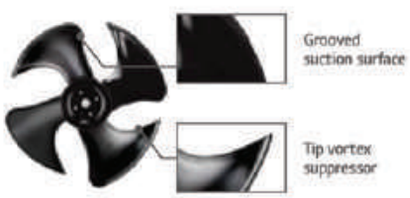
(1Ø) 4 / 5HP

(1Ø) 5 / 6HP
(3Ø) 4 / 5 / 6 / 8HP



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

(3Ø) 10 / 12HP

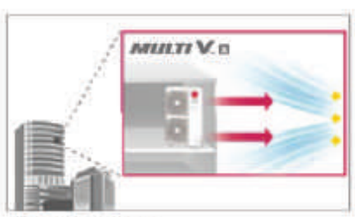


Super Canon Fan

Fan RPM control

Flow of air is straight due to fan shroud and Fan RPM control even in high-rise building.

Fan Shroud



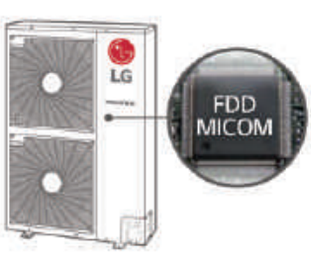
- Straight air flow
  - New shroud adopted
  - Performs high static pressure

Upgraded Fault Detection and Diagnosis

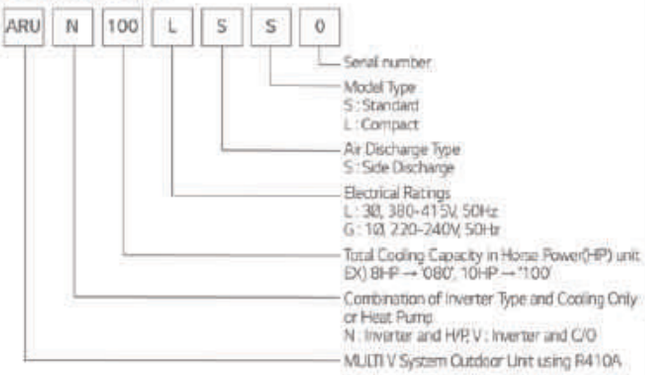
Easy and convenient maintenance with self-diagnosis

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



Nomenclature

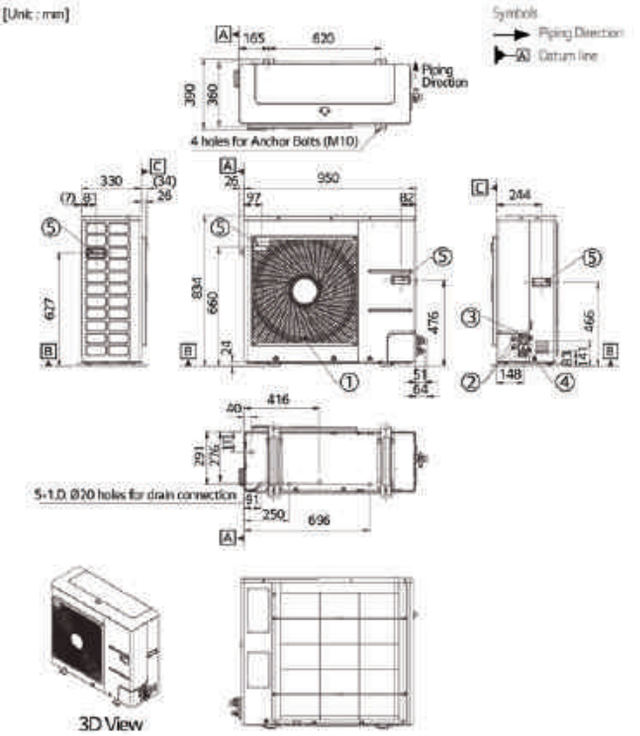


Outdoor Units Function

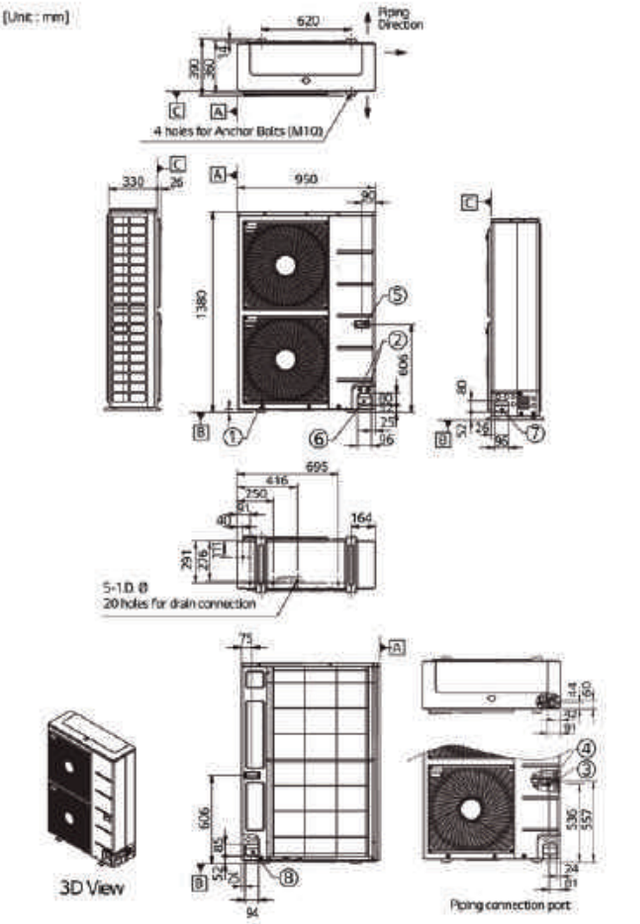
Category	Functions	MULTI V S
Key Refrigerant Components	Variable Path of Outdoor Unit HEX	-
	HiPOR™ (High Pressure Oil Return)	-
	Humidity Sensor	ARUB060GSS4 only
	Corrosion Resistance Black Fin	○
	Oil Sensor	-
Special Function	Dual Sensing	ARUB060GSS4 only
	Low Noise Operation	○
	High Static Mode of 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)	ACP Lonworks	PUNWKB000
	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	PRCTL0
	Mobile LGMV	PLGMWW100
Additional kit	Refrigerant Charging Kit	○ (Logical operation) Not applied to ARUB060GSS4
	Low Ambient Kit	-
	Variable Water Flow Valve Control Kit	-

※ ○ : Applied, - : Not Applied

[Unit : mm]



[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)	-

MULTI V S COOLING ONLY

ARUV030GSD0 / ARUV040GSD0
ARUV050GSD5 / ARUV060GSD5

HP			3	4	5	6
Model Name	Combination Unit		ARUV030GSD0	ARUV040GSD0	ARUV050GSD5	ARUV060GSD5
Capacity (Rated)	Cooling	kW	9.2	11.0	14.5	16.0
		kcal/h	7,911	9,458	12,470	13,800
		Btu/h	31,400	37,600	49,500	54,600
	Heating	kW	-	-	-	-
		kcal/h	-	-	-	-
		Btu/h	-	-	-	-
Input (Rated)	Cooling	kW	2.10	2.75	3.45	4.50
	Heating	kW	-	-	-	-
Power Factor	Rated	-	1	1	1	1
Casing Color			Warm Gray	Warm Gray	Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetic Motor Compressor	Hermetic Motor Compressor	LG Inverter Scroll	LG Inverter Scroll
	Piston Displacement	cm³/rev	24	24	31.6	31.6
	Number of Revolution	rev/min	6,600	6,600		
	Motor Output x Number	W x No.	2,137 x 1	2,137 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		FVC68D (PVE)	FVC68D (PVE)	FW68D	FW68D
	Oil Charge		900	900	1,100	1,100
Fan	Type		Axial Flow Fan	Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Motor Output x Number	W	124.0 x 1	124.0 x 1	198 x 1	198 x 1
	Air Flow Rate (High)	m³/min	60	60	80	80
		ft³/min	2,118	2,118	2,824	2,824
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side	Side
Pipe Connections	Liquid	mm (inch)	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)	19.05 (3/4)
Dimensions (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
		inch	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
Net Weight		kg	59	59	66	67
		lbs	130	130	146	148
Sound Pressure Level	Cooling	dB(A)	50	50	51	56
	Heating	dB(A)	-	-	-	-
Sound Power Level		dB(A)	-	-	-	-
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	Low pressure sensor	Low pressure sensor
	Compressor / Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount	kg	1.4	1.4	2.0	2.0
		lbs	3.1	3.1	4.4	4.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Number of maximum connectable indoor units			5	6	8	9

Note
1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.
   - Refer to EUROVENT certification regulation for more detail test conditions. - Refer to EUROVENT website for test values connected Ceiling Cassette type indoors.
2. Performances 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
3. The maximum combination ratio is 160%. (the maximum combination ratio of ARUN050GSL0 is 130%.)
4. Wiring cable size must comply with the applicable local and national codes. 5. Due to our policy of innovation some specifications may be changed without notification.
6. 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 conditions during operation.
7. Power factor could vary less than ±1% according to the operating conditions. 8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V S HEAT PUMP

ARUN040GSS5 / ARUN050GSS5 / ARUN060GSS5

HP			4	5	6
Model Name	Combination Unit		ARUN040GSS5	ARUN050GSS5	ARUN060GSS5
Capacity (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)	Cooling	kW	3.43	3.33	3.97
	Heating	kW	2.45	3.48	4.29
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		LG Inverter Scroll	LG Inverter Scroll	LG Inverter Scroll
	Piston Displacement	cm^3/rev	31.6	31.6	31.6
	Motor Output x Number	W x No.	3,198 x 1	3,198 x 1	3,198 x 1
	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	124 x 1	198 x 1	198 x 1
	Air Flow Rate (High)	m^3/min	60	80	80
		ft^3/min	2,118	2,824	2,824
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side
Pipe Connections	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm (inch)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
Dimensions (W x H x D)		mm	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
		inch	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
Net Weight		kg	65	72	72
		lbs	143.3	158.7	158.7
Sound Pressure Level	Cooling	dB(A)	51	57	57
	Heating	dB(A)	55	60	63
Sound Power Level		dB(A)	-	-	-
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	1.8	2.4	2.4
		lbs	4.0	5.3	5.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Number of maximum connectable indoor units			6	8	9

Note
1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.
   - Refer to EUROVENT certification regulation for more detail test conditions.
   - Refer to EUROVENT website for test values connected Ceiling Cassette type indoors.
2. Performances 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
3. The maximum combination ratio is 160%. (the maximum combination ratio of ARUN050GSL0 is 130%.)
4. Wiring cable size must comply with the applicable local and national codes.
5. Due to our policy of innovation some specifications may be changed without notification.
6. 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 conditions during operation.
7. Power factor could vary less than ±1% according to the operating conditions.
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V S HEAT PUMP

ARUN040LSS5 / ARUN050LSS5 / ARUN060LSS5

HP			4	5	6
Model Name	Combination Unit		ARUN040LSS5	ARUN050LSS5	ARUN060LSS5
Capacity (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)	Cooling	kW	3.43	3.33	3.97
	Heating	kW	2.45	3.48	4.29
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		LG Inverter Scroll	LG Inverter Scroll	LG Inverter Scroll
	Piston Displacement	cm^3/rev	31.6	31.6	31.6
	Motor Output x Number	W x No.	3,198 x 1	3,198 x 1	3,198 x 1
	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	124 x 1	198 x 1	198 x 1
	Air Flow Rate (High)	m^3/min	60	80	80
		ft^3/min	2,118	2,824	2,824
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side
Pipe Connections	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm (inch)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
Dimensions (W x H x D)		mm	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
		inch	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
Net Weight		kg	65	72	72
		lbs	143.3	158.7	158.7
Sound Pressure Level	Cooling	dB(A)	51	57	57
	Heating	dB(A)	55	60	63
Sound Power Level		dB(A)	-	-	-
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	1.8	2.4	2.4
		lbs	4.0	5.3	5.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of maximum connectable indoor units			6	8	9

Note
1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.
   - Refer to EUROVENT certification regulation for more detail test conditions.
   - Refer to EUROVENT website for test values connected Ceiling Cassette type indoors.
2. Performances 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
3. The maximum combination ratio is 160%. (the maximum combination ratio of ARUN050GSL0 is 130%.)
4. Wiring cable size must comply with the applicable local and national codes.
5. Due to our policy of innovation some specifications may be changed without notification.
6. 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 conditions during operation.
7. Power factor could vary less than ±1% according to the operating conditions.
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V S HEAT PUMP

ARUN080LSS0 / ARUN100LSS0 / ARUN120LSS0

HP			8	10	12
Model Name	Combination Unit		ARUN080LSS0	ARUN100LSS0	ARUN120LSS0
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6
	Heating (Rated)	kW	24.5	30.6	36.7
Input	Cooling (Rated)	kW	8.30	8.75	14.00
	Heating (Rated)	kW	6.62	8.12	7.46
EER			2.70	3.20	2.40
SEER			6.03	6.59	5.72
COP	Rated Capacity		3.70	3.77	4.92
SCOP			4.33	4.17	3.86
Exterior	Color (General)		Warm Gray	Warm Gray	Warm Gray
	RAL Code (Classic), General		RAL 7044	RAL 7044	RAL 7044
Heat Exchanger	Type		Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
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.	4,200 x 1	5,300 x 1	5,300 x 1
	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)	m³/min x No.	140 x 1	190 x 1	190 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side
Pipe Connection	Liquid Pipe	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Gas Pipe	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø28.58 (1-1/8)
Dimensions (W x H x D)		mm x No.	(950 x 1,380 x 330) x 1	(1,090 x 1,625 x 380) x 1	(1,090 x 1,625 x 380) x 1
Dimensions (W x H x D) - Shipping		mm x No.	(1,140 x 1,462 x 461) x 1	(1,215 x 1,795 x 500) x 1	(1,215 x 1,795 x 500) x 1
Net Weight		kg x No.	115 x 1	144 x 1	157 x 1
Shipping Weight		kg x No.	127 x 1	160 x 1	173 x 1
Sound Pressure Level	Cooling	dB(A)	57.0	58.0	60.0
	Heating	dB(A)	57.0	58.0	60.0
Sound Power Level	Cooling	dB(A)	81.0	80.0	81.0
	Heating	dB(A)	84.0	84.0	85.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in factory	kg	3.5	4.5	6.0
	t-CO_2eq		7.3	9.4	12.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			13	16	20

Note
1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.
   - Refer to EUROVENT certification regulation for more detail test conditions.
   - Refer to EUROVENT website for test values connected Ceiling Cassette type indoors.
2. Performances 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
3. The maximum combination ratio is 160% (the maximum combination ratio of ARUN050GSL0 is 130%)
4. Wiring cable size must comply with the applicable local and national codes.
5. Due to our policy of innovation some specifications may be changed without notification.
6. 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 conditions during operation.
7. Power factor could vary less than ±1% according to the operating conditions.
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

NOTE

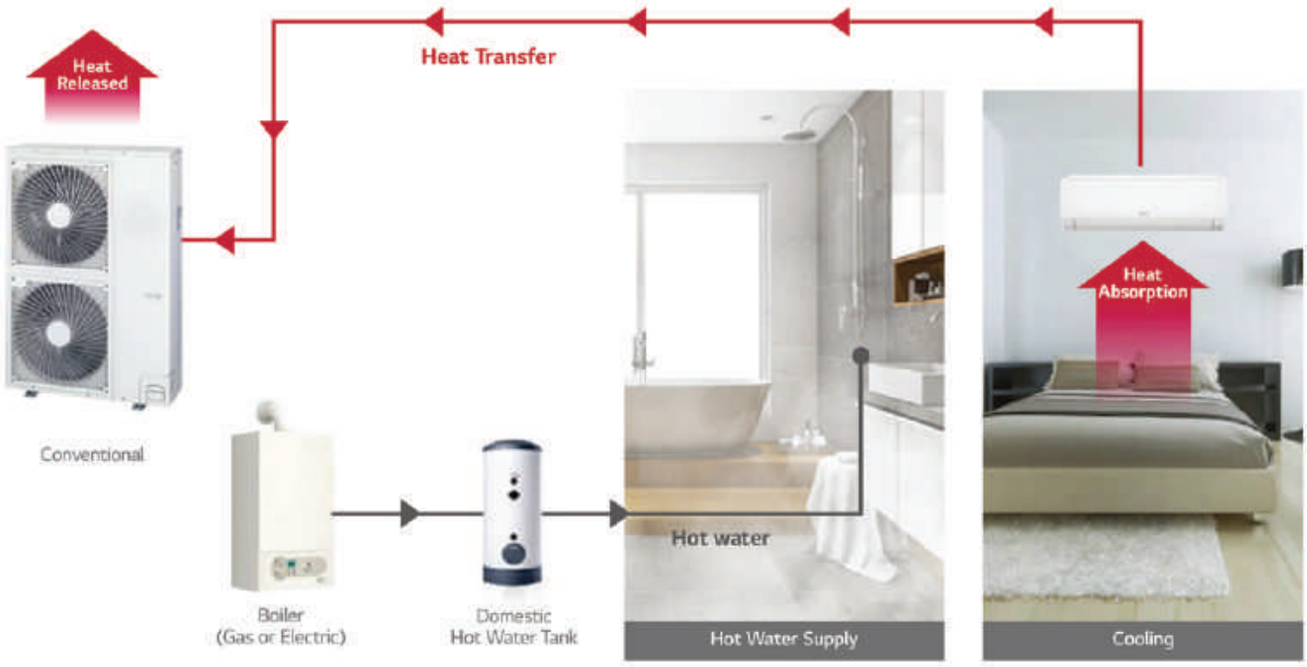
MULTI V S

Energy Savings

Energy consumption can be reduced as indoor heat is absorbed and transferred to hot water supply.

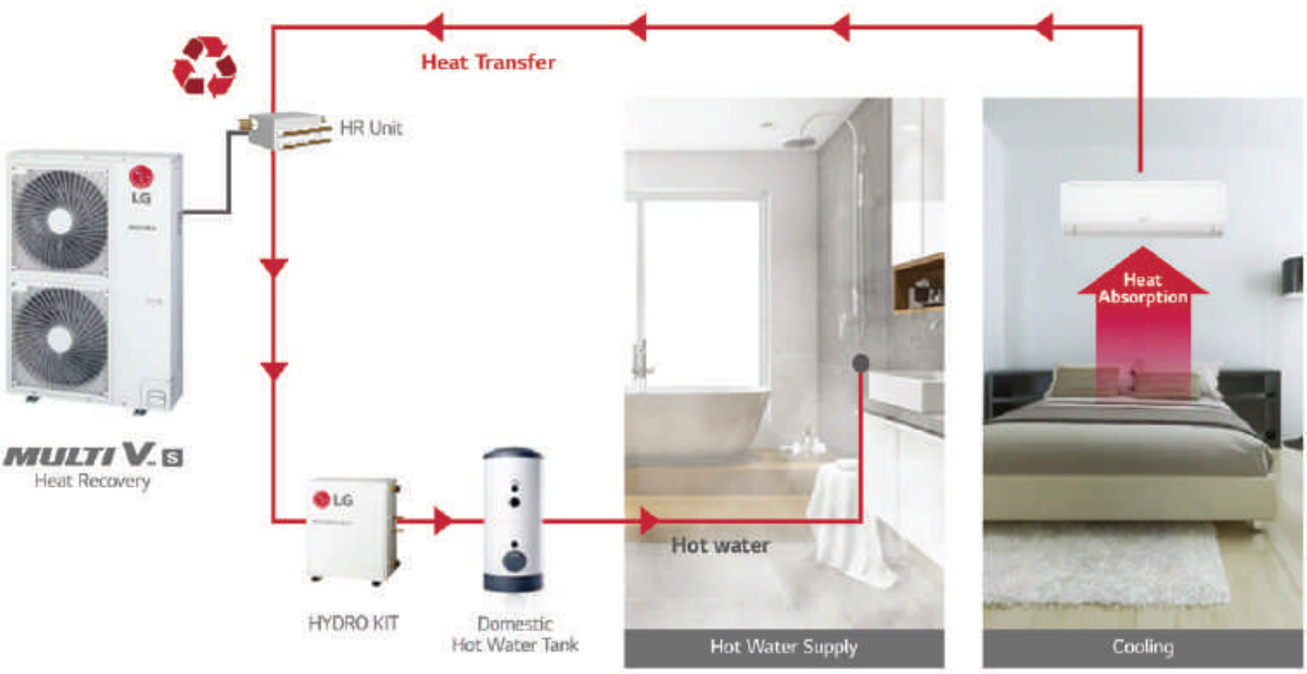
Conventional

Absorbed heat is released to outdoor air.



MULTI V S Heat Recovery with HYDRO KIT

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

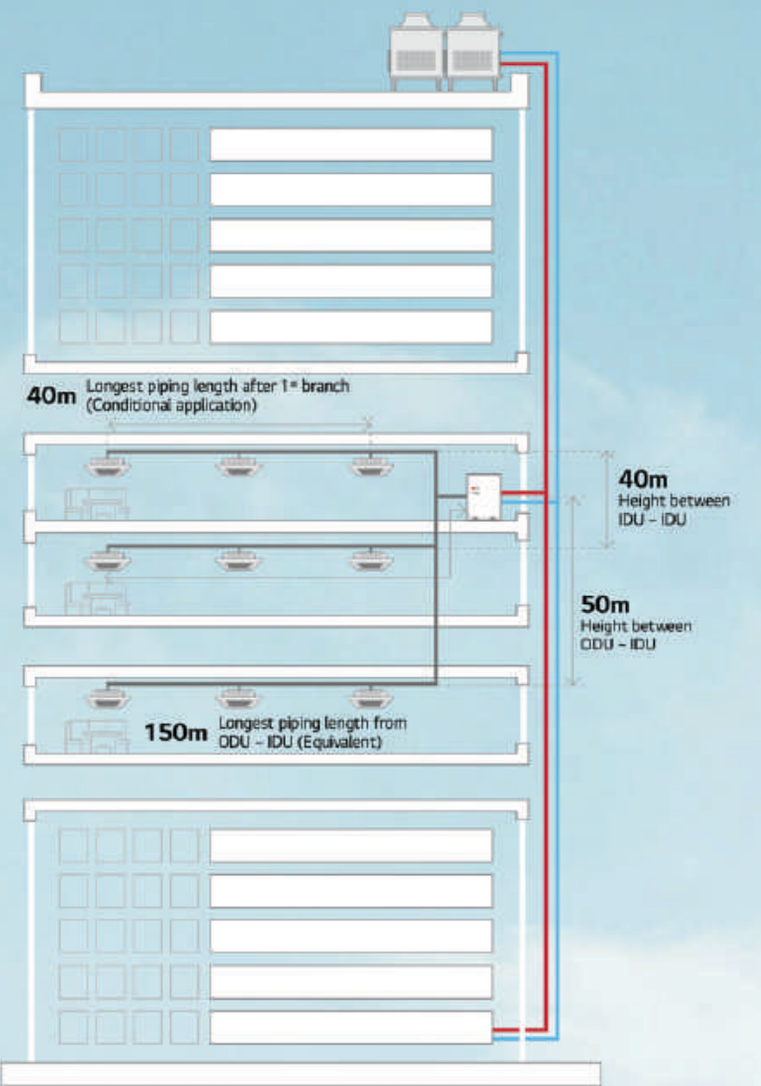


MULTI V™ WATER IV

- Water Cooled VRF Heat Pump & Heat Recovery
- 22.4 ~ 201.6kW (Cooling capacity based)
- 3Ø, 380 ~ 415V, 50Hz
- Outdoor unit installed indoor

300M
TOTAL PIPING LENGTH

Economical, efficient system



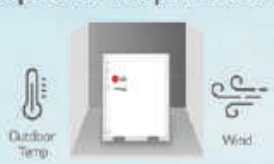
Energy savings

Space savings

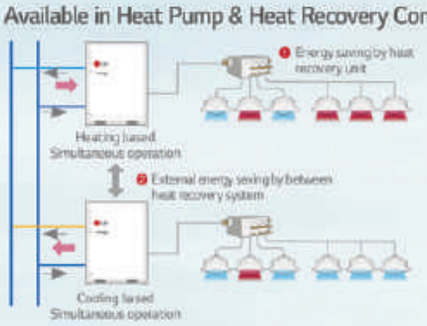
Convenient installation

How does it work?

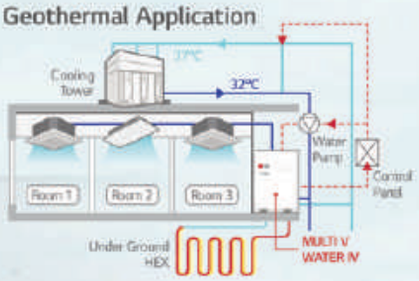
Operation independent of weather conditions



Available in Heat Pump & Heat Recovery Configuration



Geothermal Application



INNOVATIVE TECHNOLOGIES

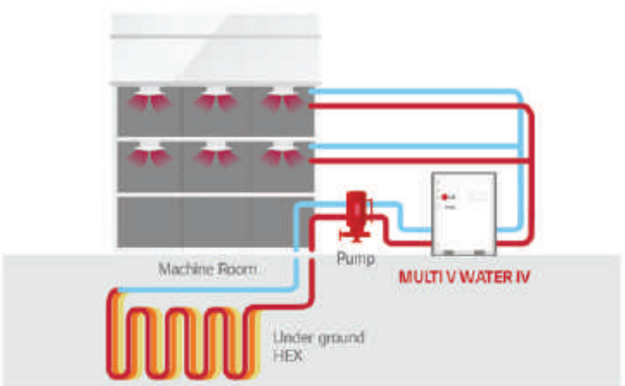
High Efficiency System Regardless of External Conditions

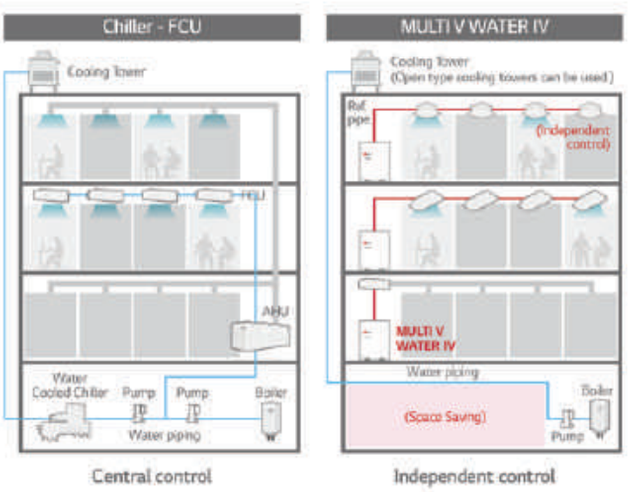
Regardless of outdoor temperature and other environmental conditions, MULTI V WATER IV is the optimal solution.

MULTI V WATER IV 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.



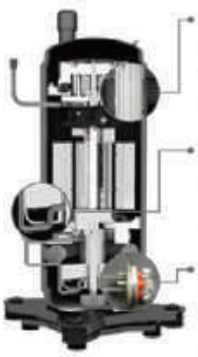


ENERGY SAVING

Economical, Highly Efficient System

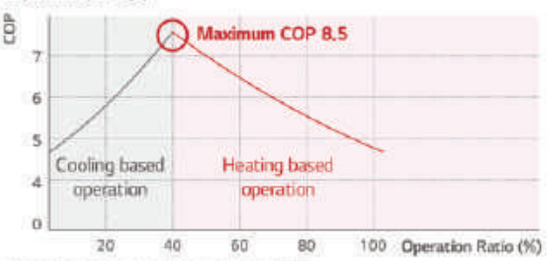
LG's key technologies are integrated to inverter compressor

With 4th generation inverter compressor, the MULTI V WATER IV boasts top-class energy efficiency.



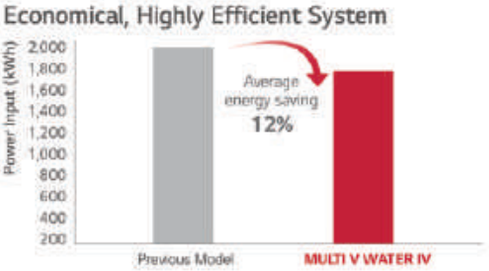
- **Extended Compressor Speed 20Hz ~ 140Hz**
  - Rapid operation response
  - Capable of reaching required temperature quickly
  - Increase part load efficiency
- **HiPOR™ (High Pressure Oil Return)**
  - Eliminating loss in suction gas by returning oil directly to compressor
  - Resolve compressor efficiency 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

Maximum COP

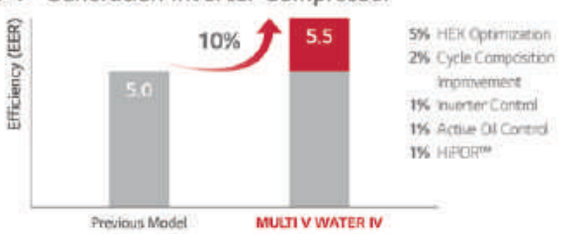


※ Outdoor unit water inlet temperature : 7℃
※ Indoor temperature : 20°C DB / 15°C WB
※ Maximum COP Condition : Cooling 40% + Heating 60% operation

Economical, Highly Efficient System

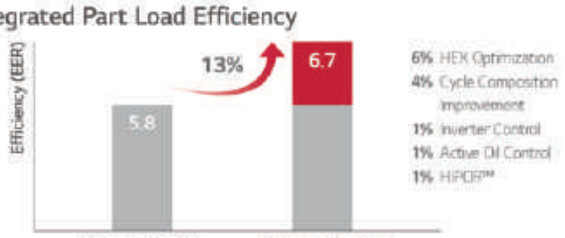


LG's 4th Generation Inverter Compressor



※ Comparison between 10HP (28kW) in cooling mode

Integrated Part Load Efficiency

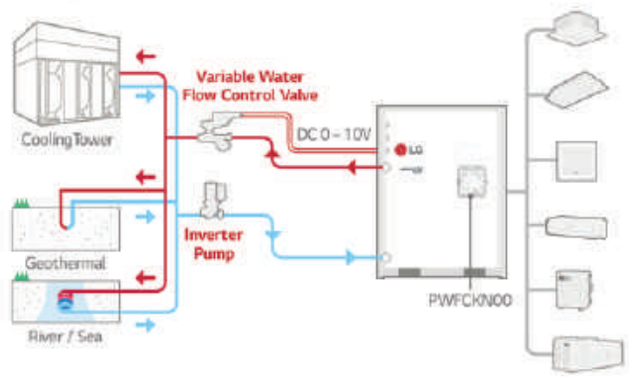


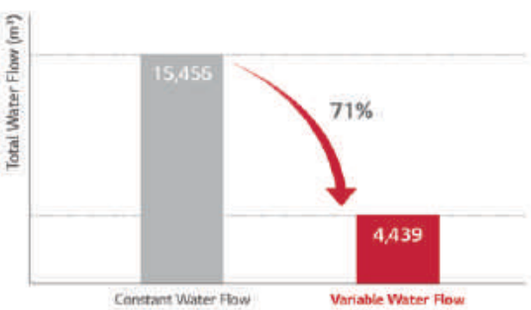
WATER SAVINGS

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.



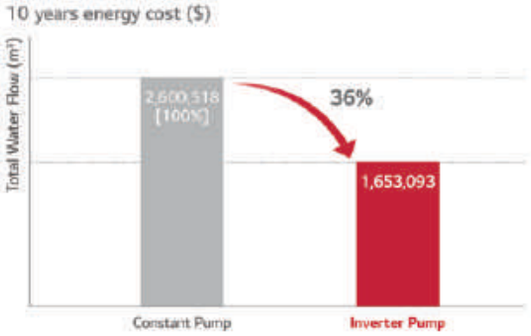


Note
1. Location : Paris, France
2. Office, 68,000m²
3. Operation time : 1,344 hours (Cooling period)

Project Example : 63F (Pump : 20,064 LPM, 42.4mAq x 4ea)

1) Inverter pump with MULTI V WATER and variable water flow control kit
2) Constant pump (Step control) with Water cooled VRF

10 years energy cost ($)



Unit	5 years		10 years	
	Energy Use (kWh)	Pump Running Cost ($)	Energy Use (kWh)	Pump Running Cost ($)
Constant pump	7,952,040	1,142,441	15,904,080	2,600,518
Inverter pump	5,054,940	726,225	10,109,880	1,653,093

- Power consumption rate : 0.13$/kWh
- Annual power consumption rate expected to increase by 5%

FLEXIBLE DESIGN & SPACE SAVINGS

Largest Capacity

Sufficient pipe length limitation provides flexible design and installation

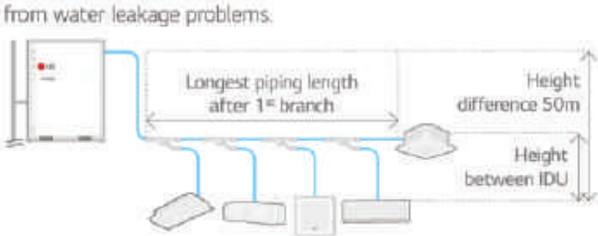
Providing 8 ~ 20HP (22.4 ~ 56kW) with single unit, and up to the world's largest capacity 80HP (224kW) by combination.

HP	8	10	14	20	22	24	28	30	34	40	42 ~ 60	62 ~ 80
kW	22.4	28	39.2	56	61.6	67.2	78.4	84	95.2	112	117.6 ~ 168	173.6 ~ 224
LG	1 Unit				2 Units						3 Units	4 Units

Longest Piping Length

Sufficient pipes length limitation in design and Installation of immense variety of building

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



Total Piping Length	300m
Actual longest piping length (Equivalent)	150m (175m)
Longest piping length after 1st branch (Conditional application)	40m (90m)
Height difference between ODU ~ IDU	50m
Height difference between IDU ~ IDU	40m

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.

※ 112kW, Floor area based

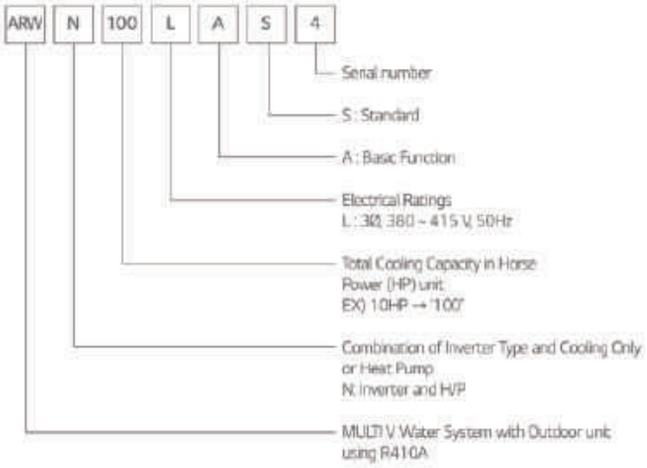
Lightweight

Nothing or Decrease additional load reinforcement work at building

Easier to transport and install thanks to 18% reduction in overall weight.

※ Based on 28kW

Nomenclature



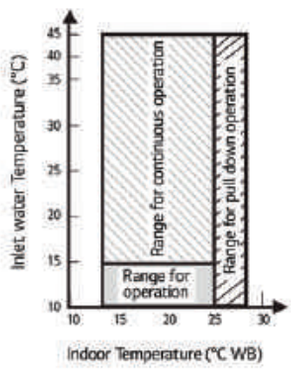
Outdoor Units Function

Category	Functions	MULTI V WATER IV
Key Refrigerant Components	Variable Path of Outdoor unit HEX	-
	HiPOR™ (High Pressure Oil Return)	○
	Humidity Sensor	-
	Corrosion Resistance Black Fin	-
	Oil Sensor	○
Useful Function	Dual Sensing	-
	Low Noise Operation	-
	Hgih Static Mode of Outdoor Unit Fan	-
	Partial Defrosting	-
	Auto Dust Cleaning 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	-
Reliability	Defrost / Deicing	-
	High Pressure Switch	○
	Phase Protection	○
	Restart Delay (3-minutes)	○
	Self Diagnosis	○
	Soft Start	○
	Test Run Function	○
Central Controller	AC Ez (Simple Controller)	PQCSZ2505D
	AC Ez Touch	PACEZA000
	AC Smart IV	PACS4B000
	AC Smart 5	PACS5A000
	ACP (Advanced Control Platform) IV	PQCPC22A0
	ACP (Advanced Control Platform) 5	PACP5A000
	AC Manager 5	PACM5A000
BNU (Building Network Unit)	ACP Lonworks	PLNWKB000
	ACP BACnet	PQNFB17C0
Installation	Refrigerant Charging Kit	-
	Variable Water Flow Valve Control Kit	PWFCKN000
PDI (Power Distribution Indicator)	Standard	PPWRDB000
	Premium	PQNUD1540
Cool / Heat Selector		PRDSBM
Low Ambient Kit		-
IO Module (ODU Dry Contact)		PVDSMN000
Cycle Monitoring Device	LGMV	PRCTIL0
	Mobile LGMV	PLGMWV100

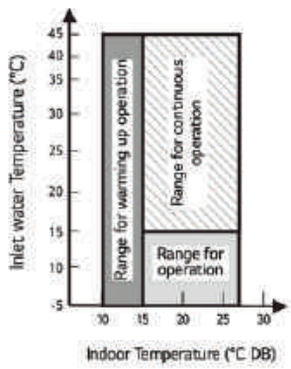
※ ○ : Applied, - : Not Applied

Operation Limits

Cooling

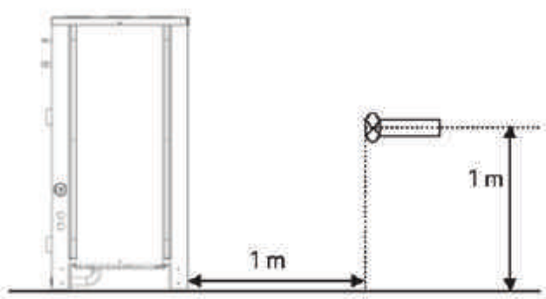


Heating



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

Position of Sound Pressure Level Measuring



Note
1. Data is valid at free field condition
2. Data is valid at nominal operating condition
3. 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
4. Sound level can be increased in static pressure mode or air guide application.

Optional Accessories

No.	Name	Model
1	Y branch pipe	ARBLN01621
		ARBLN03321
		ARBLN07121
		ARBLN14521
		ARBLN23220
2	Header	ARBL054
		ARBL057
		ARBL104
		ARBL107
		ARBL1010
		ARBL2010
3	Connection pipe of Outdoor Units	ARCNN21
		ARCNN31
		ARCNN41

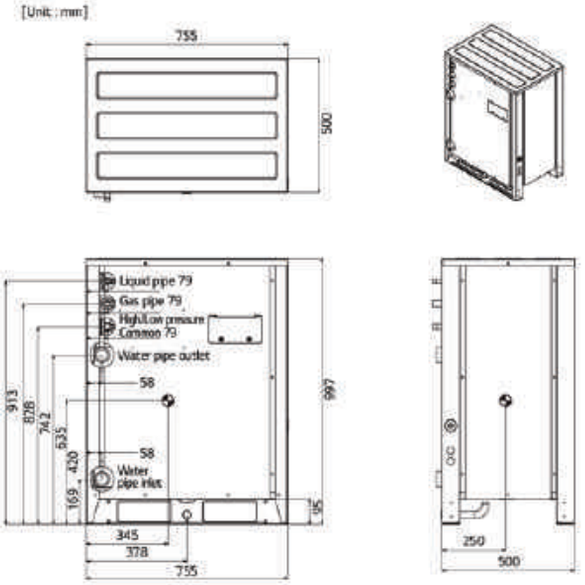
MULTI V WATER IV Heating Dissipation Value by Model

Model	HP	Heating Dissipation Value		
ARWN080LAS4	8	600 W	515.9 kcal/h	0.143 kcal/s
ARWN100LAS4	10	630 W	541.7 kcal/h	0.150 kcal/s
ARWN120LAS4	12	660 W	567.5 kcal/h	0.158 kcal/s
ARWN140LAS4	14	690 W	593.3 kcal/h	0.165 kcal/s
ARWN160LAS4	16	700 W	601.9 kcal/h	0.167 kcal/s
ARWN180LAS4	18	720 W	619.1 kcal/h	0.172 kcal/s
ARWN200LAS4	20	750 W	644.9 kcal/h	0.179 kcal/s

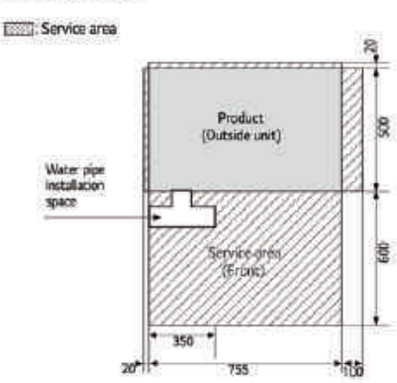
Test condition : Indoor air temperature : DB 40°C, WB : 32°C
※ A design stage should be considered to ventilation system in mechanical room.

ARWN080LAS4 / ARWN100LAS4 / ARWN140LAS4 / ARWN200LAS4

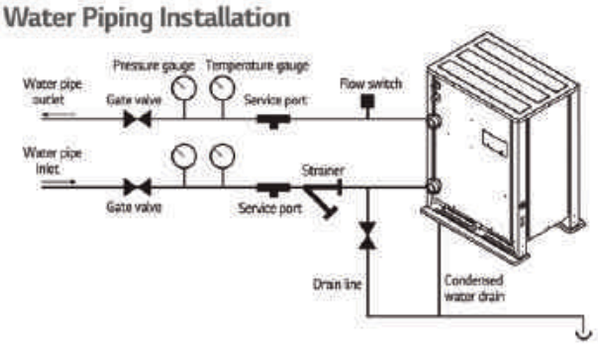
[Unit : mm]



Individual Installation



Water Piping Installation



Precaution of Installation

1. Do not install the unit at the outdoors. (Installation of the unit outdoors could result in fire or electric shock.) Recommended ambient temperature of outdoor unit is between 0 ~ 40°C.
2. Keep the water temperature between **10 ~ 45°C**. Standard water supply temperature is 30°C for cooling and 20°C 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**. Ensure water purity control to avoid breakdown due to water pipe corrosion. Refer to 'Standard Table for Water Purity Control' in PDB (Product Data Book).
5. The water pressure resistance of the water pipe system of this product is **1.98MPa.**
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. It is recommended to 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.)
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%**.)
12. To protect the water cooling type product, you must install a **strainer with 50 mesh** or more on the heat water supply pipe. 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 the refrigerant side drops to drop the temperature of the heat water supply, which can result in icing point in the water paths.
    4) 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 refrigerant side and the heat water source side will be mixed to make the product unusable.

REFERENCE SITE

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-friendly 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.

MULTI V WATER IV HEAT PUMP

ARWN080LAS4 / ARWN100LAS4
ARWN140LAS4

HP			8	10	14
Model Name	Combination Unit		ARWN080LAS4	ARWN100LAS4	ARWN140LAS4
	Independent Unit		ARWN080LAS4	ARWN100LAS4	ARWN140LAS4
Capacity	Cooling (Rated)	kW	22.4	28.0	39.2
	Heating (Rated)	kW	25.2	31.5	44.1
Input	Cooling (Rated)	kW	3.86	5.09	7.84
	Heating (Rated)	kW	4.2	5.34	8.17
EER			5.80	5.50	5.00
COP	Rated Capacity		6.00	5.90	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	10.7	15.8	28.6
	Rated Water Flow	LPM	77	96	135
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.	4,200 x 1	4,200 x 1	4,200 x 1
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	2,800	2,800	2,800
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Gas Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø25.4 (1)
Water Connecting Pipes	Inlet	A (inch)	40A(PT 1-1/2) (Internal Thread)	40A(PT 1-1/2) (Internal Thread)	40A(PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A(PT 1-1/2) (Internal Thread)	40A(PT 1-1/2) (Internal Thread)	40A(PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A(PT 3/4) (External Thread)	20A(PT 3/4) (External Thread)	20A(PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 1	(755 x 997 x 500) x 1	(755 x 997 x 500) x 1
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 1	(804 x 1,143 x 630) x 1	(804 x 1,143 x 630) x 1
Net Weight		kg x No.	127 x 1	127 x 1	127 x 1
Shipping Weight		kg x No.	137 x 1	137 x 1	137 x 1
Sound Pressure Level	Cooling	dB(A)	47.0	50.0	58.0
	Heating	dB(A)	51.0	53.0	57.0
Sound Power Level	Cooling	dB(A)	59.0	62.0	70.0
	Heating	dB(A)	63.0	65.0	69.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	5.8	5.8	5.8
	t-CO_2eq		12.1	12.1	12.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			13 (20)	16 (25)	23 (35)

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor - Indoor Unit) is 0m
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 conditions 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.)

MULTI V WATER IV HEAT PUMP

ARWN200LAS4 / ARWN160LAS4
ARWN180LAS4

HP			20	16	18
Model Name	Combination Unit		ARWN200LAS4	ARWN160LAS4	ARWN180LAS4
	Independent Unit		ARWN200LAS4	ARWN080LAS4 ARWN080LAS4	ARWN100LAS4 ARWN080LAS4
Capacity	Cooling (Rated)	kW	56.0	44.8	50.4
	Heating (Rated)	kW	63.0	50.4	56.7
Input	Cooling (Rated)	kW	11.20	7.72	8.95
	Heating (Rated)	kW	11.67	8.40	9.54
EER			5.00	5.80	5.63
COP	Rated Capacity		5.40	6.00	5.94
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1	10.7 + 10.7	15.8 + 10.7
	Rated Water Flow	LPM	192	77 + 77	96 + 77
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	4,200 x 2	4,200 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	3,000	5,600	5,600
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 1	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 1	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2
Net Weight		kg x No.	140 x 1	127 x 2	127 x 2
Shipping Weight		kg x No.	150 x 1	137 x 2	137 x 2
Sound Pressure Level	Cooling	dB(A)	54.0	50.0	51.8
	Heating	dB(A)	60.0	54.0	55.1
Sound Power Level	Cooling	dB(A)	66.0	62.0	63.8
	Heating	dB(A)	72.0	66.0	67.1
Communication Cable		mm^2 x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	3.0	11.6	11.6
	t-CO_2eq		6.3	24.2	24.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			32 (50)	26 (40)	29 (45)

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT PUMP

ARWN220LAS4 / ARWN240LAS4
ARWN280LAS4

HP			22	24	28
Model Name	Combination Unit		ARWN220LAS4	ARWN240LAS4	ARWN280LAS4
	Independent Unit		ARWN140LAS4 ARWN080LAS4	ARWN140LAS4 ARWN100LAS4	ARWN140LAS4 ARWN140LAS4
Capacity	Cooling (Rated)	kW	61.6	67.2	78.4
	Heating (Rated)	kW	69.3	75.6	88.2
Input	Cooling (Rated)	kW	11.70	12.93	15.68
	Heating (Rated)	kW	12.37	13.51	16.34
EER			5.26	5.20	5.00
COP	Rated Capacity		5.60	5.60	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	28.6 + 10.7	28.6 + 15.8	28.6 + 28.6
	Rated Water Flow	LPM	135 + 77	135 + 96	135 + 135
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.	4,200 x 2	4,200 x 2	4,200 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	5,600	5,600	5,600
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2
Net Weight		kg x No.	127 x 2	127 x 2	127 x 2
Shipping Weight		kg x No.	137 x 2	137 x 2	137 x 2
Sound Pressure Level	Cooling	dB(A)	58.3	58.6	59.0
	Heating	dB(A)	58.0	58.5	58.0
Sound Power Level	Cooling	dB(A)	70.3	70.6	72.0
	Heating	dB(A)	70.0	70.5	71.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	11.6	11.6	11.6
	t-CO_2eq		24.2	24.2	24.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			35 (44)	39 (48)	45 (56)

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (150% ~ 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 7.5m and difference of Elevation (Outdoor - Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT PUMP

ARWN300LAS4 / ARWN340LAS4
ARWN400LAS4

HP			30	34	40
Model Name	Combination Unit		ARWN300LAS4	ARWN340LAS4	ARWN400LAS4
	Independent Unit		ARWN200LAS4 ARWN100LAS4	ARWN200LAS4 ARWN140LAS4	ARWN200LAS4 ARWN200LAS4
Capacity	Cooling (Rated)	kW	84.0	95.2	112.0
	Heating (Rated)	kW	94.5	107.1	126.0
Input	Cooling (Rated)	kW	16.29	19.04	22.40
	Heating (Rated)	kW	17.01	19.84	23.34
EER			5.16	5.00	5.00
COP	Rated Capacity		5.56	5.40	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 15.8	30.1 + 28.6	30.1 + 30.1
	Rated Water Flow	LPM	192 + 96	192 + 135	192 + 192
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 1 + 4,200 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	5,800	5,800	6,000
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø41.3 (1-5/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2
Net Weight		kg x No.	(140 x 1) + (127 x 1)	(140 x 1) + (127 x 1)	140 x 2
Shipping Weight		kg x No.	(150 x 1) + (137 x 1)	(150 x 1) + (137 x 1)	150 x 2
Sound Pressure Level	Cooling	dB(A)	55.5	59.0	55.0
	Heating	dB(A)	60.8	61.0	61.0
Sound Power Level	Cooling	dB(A)	67.5	72.0	68.0
	Heating	dB(A)	72.8	74.0	74.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	8.8	8.8	6.0
	t-CO_2eq		18.4	18.4	12.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			49 (60)	55 (64)	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT PUMP

ARWN420LAS4 / ARWN440LAS4
ARWN480LAS4

HP			42	44	48
Model Name	Combination Unit		ARWN420LAS4	ARWN440LAS4	ARWN480LAS4
	Independent Unit		ARWN200LAS4 ARWN140LAS4 ARWN080LAS4	ARWN200LAS4 ARWN140LAS4 ARWN100LAS4	ARWN200LAS4 ARWN140LAS4 ARWN140LAS4
Capacity	Cooling (Rated)	kW	117.6	123.2	134.4
	Heating (Rated)	kW	132.3	138.6	151.2
Input	Cooling (Rated)	kW	22.9	24.13	26.88
	Heating (Rated)	kW	24.04	25.18	28.01
EER			5.14	5.11	5.00
COP	Rated Capacity		5.50	5.50	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 28.6 + 10.7	30.1 + 28.6 + 15.8	30.1 + 28.6 + 28.6
	Rated Water Flow	LPM	192 + 135 + 77	192 + 135 + 96	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 1 + 4,200 x 2	5,300 x 1 + 4,200 x 2	5,300 x 1 + 4,200 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	8,600	8,600	8,600
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 3	(804 x 1,143 x 630) x 3	(804 x 1,143 x 630) x 3
Net Weight		kg x No.	(140 x 1) + (127 x 2)	(140 x 1) + (127 x 2)	(140 x 1) + (127 x 2)
Shipping Weight		kg x No.	(150 x 1) + (137 x 2)	(150 x 1) + (137 x 2)	(150 x 1) + (137 x 2)
Sound Pressure Level	Cooling	dB(A)	59.7	59.9	60.0
	Heating	dB(A)	62.1	62.3	62.0
Sound Power Level	Cooling	dB(A)	71.7	71.9	74.0
	Heating	dB(A)	74.1	74.3	76.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.6	14.6	14.6
	t-CO_2eq		30.5	30.5	30.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (150% ~ 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT PUMP

ARWN500LAS4 / ARWN540LAS4
ARWN600LAS4

HP			50	54	60
Model Name	Combination Unit		ARWN500LAS4	ARWN540LAS4	ARWN600LAS4
	Independent Unit		ARWN200LAS4 ARWN200LAS4 ARWN100LAS4	ARWN200LAS4 ARWN200LAS4 ARWN140LAS4	ARWN200LAS4 ARWN200LAS4 ARWN200LAS4
Capacity	Cooling (Rated)	kW	140.0	151.2	168.0
	Heating (Rated)	kW	157.5	170.1	189.0
Input	Cooling (Rated)	kW	27.49	30.24	33.60
	Heating (Rated)	kW	28.68	31.51	35.01
EER			5.09	5.00	5.00
COP	Rated Capacity		5.49	5.40	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 15.8	30.1 + 28.6 + 28.6	30.1 + 30.1 + 30.1
	Rated Water Flow	LPM	192 + 192 + 96	192 + 192 + 135	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 2 + 4,200 x 1	5,300 x 2 + 4,200 x 1	5,300 x 3
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	8,800	8,800	9,000
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 3	(804 x 1,143 x 630) x 3	(804 x 1,143 x 630) x 3
Net Weight		kg x No.	(140 x 2) + (127 x 1)	(140 x 2) + (127 x 1)	140 x 3
Shipping Weight		kg x No.	(150 x 2) + (137 x 1)	(150 x 2) + (137 x 1)	150 x 3
Sound Pressure Level	Cooling	dB(A)	57.8	60.0	56.0
	Heating	dB(A)	63.4	62.0	62.0
Sound Power Level	Cooling	dB(A)	69.8	74.0	70.0
	Heating	dB(A)	75.4	76.0	76.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	11.8	11.8	9.0
	t-CO_2eq		24.6	24.6	18.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT PUMP

ARWN620LAS4 / ARWN640LAS4
ARWN680LAS4

HP			62	64	68
Model Name	Combination Unit		ARWN620LAS4	ARWN640LAS4	ARWN680LAS4
	Independent Unit		ARWN200LAS4 ARWN200LAS4 ARWN140LAS4 ARWN080LAS4	ARWN200LAS4 ARWN200LAS4 ARWN140LAS4 ARWN100LAS4	ARWN200LAS4 ARWN200LAS4 ARWN140LAS4 ARWN140LAS4
Capacity	Cooling (Rated)	kW	173.6	179.2	190.4
	Heating (Rated)	kW	195.3	201.6	214.2
Input	Cooling (Rated)	kW	34.10	35.33	38.08
	Heating (Rated)	kW	35.71	36.85	39.68
EER			5.09	5.07	5.00
COP	Rated Capacity		5.47	5.47	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 28.6 + 10.7	30.1 + 30.1 + 28.6 + 15.8	30.1 + 30.1 + 28.6 + 28.6
	Rated Water Flow	LPM	192 + 192 + 135 + 77	192 + 192 + 135 + 96	192 + 192 + 135 + 135
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Motor Output x Number	W x No.	5,300 x 2 + 4,200 x 2	5,300 x 2 + 4,200 x 2	5,300 x 2 + 4,200 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	11,600	11,600	11,600
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Gas Pipe	mm (inch)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø53.98 (2-1/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 4	(804 x 1,143 x 630) x 4	(804 x 1,143 x 630) x 4
Net Weight		kg x No.	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)
Shipping Weight		kg x No.	(150 x 2) + (137 x 2)	(150 x 2) + (137 x 2)	(150 x 2) + (137 x 2)
Sound Pressure Level	Cooling	dB(A)	60.7	60.9	61.0
	Heating	dB(A)	64.2	64.3	63.0
Sound Power Level	Cooling	dB(A)	72.7	72.9	75.0
	Heating	dB(A)	76.2	76.3	77.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	17.6	17.6	17.6
	t-CO_2eq		36.7	36.7	36.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (150% ~ 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 7.5m and difference of Elevation (Outdoor - Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT PUMP

ARWN700LAS4 / ARWN740LAS4
ARWN800LAS4

HP			70	74	80
Model Name	Combination Unit		ARWN700LAS4	ARWN740LAS4	ARWN800LAS4
	Independent Unit		ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN100LAS4	ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN140LAS4	ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN200LAS4
Capacity	Cooling (Rated)	kW	196.0	207.2	224.0
	Heating (Rated)	kW	220.5	233.1	252.0
Input	Cooling (Rated)	kW	38.69	41.44	44.80
	Heating (Rated)	kW	40.35	43.18	46.68
EER			5.07	5.00	5.00
COP	Rated Capacity		5.46	5.40	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 30.1 + 15.8	30.1 + 30.1 + 30.1 + 28.6	30.1 + 30.1 + 30.1 + 30.1
	Rated Water Flow	LPM	192 + 192 + 192 + 96	192 + 192 + 192 + 135	192 + 192 + 192 + 192
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Motor Output x Number	W x No.	5,300 x 3 + 4,200 x 1	5,300 x 3 + 4,200 x 1	5,300 x 4
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	11,800	11,800	12,000
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Gas Pipe	mm (inch)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 4	(804 x 1,143 x 630) x 4	(804 x 1,143 x 630) x 4
Net Weight		kg x No.	(140 x 3) + (127 x 1)	(140 x 3) + (127 x 1)	140 x 4
Shipping Weight		kg x No.	(150 x 3) + (137 x 1)	(150 x 3) + (137 x 1)	150 x 4
Sound Pressure Level	Cooling	dB(A)	59.3	61.0	57.0
	Heating	dB(A)	65.1	63.0	63.0
Sound Power Level	Cooling	dB(A)	71.3	75.0	71.0
	Heating	dB(A)	77.1	77.0	77.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.8	14.8	12.0
	t-CO_2eq		30.9	30.9	25.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT RECOVERY

ARWB080LAS4 / ARWB100LAS4
ARWB140LAS4

HP			8	10	14
Model Name	Combination Unit		ARWB080LAS4	ARWB100LAS4	ARWB140LAS4
	Independent Unit		ARWB080LAS4	ARWB100LAS4	ARWB140LAS4
Capacity	Cooling (Rated)	kW	22.4	28.0	39.2
	Heating (Rated)	kW	25.2	31.5	44.1
Input	Cooling (Rated)	kW	3.86	5.09	7.84
	Heating (Rated)	kW	4.20	5.34	8.17
EER			5.80	5.50	5.00
COP	Rated Capacity		6.00	5.90	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	10.7	15.8	28.6
	Rated Water Flow	LPM	77	96	135
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.	4,200 x 1	4,200 x 1	4,200 x 1
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	2,800	2,800	2,800
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Low Pressure Gas Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø25.4 (1)
	High Pressure Gas Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 1	(755 x 997 x 500) x 1	(755 x 997 x 500) x 1
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 1	(804 x 1,143 x 630) x 1	(804 x 1,143 x 630) x 1
Net Weight		kg x No.	127 x 1	127 x 1	127 x 1
Shipping Weight		kg x No.	137 x 1	137 x 1	137 x 1
Sound Pressure Level	Cooling	dB(A)	47.0	50.0	58.0
	Heating	dB(A)	51.0	53.0	57.0
Sound Power Level	Cooling	dB(A)	59.0	62.0	70.0
	Heating	dB(A)	63.0	65.0	69.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	5.8	5.8	5.8
	t-CO_2eq		12.1	12.1	12.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units [1]			13 (20)	16 (25)	23 (35)

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT RECOVERY

ARWB200LAS4 / ARWB160LAS4
ARWB180LAS4

HP			20	16	18
Model Name	Combination Unit		ARWB200LAS4	ARWB160LAS4	ARWB180LAS4
	Independent Unit		ARWB200LAS4	ARWB080LAS4 ARWB080LAS4	ARWB100LAS4 ARWB080LAS4
Capacity	Cooling (Rated)	kW	56.0	44.8	50.4
	Heating (Rated)	kW	63.0	50.4	56.7
Input	Cooling (Rated)	kW	11.20	7.72	8.95
	Heating (Rated)	kW	11.67	8.40	9.54
EER			5.00	5.80	5.63
COP	Rated Capacity		5.40	6.00	5.94
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1	10.7 + 10.7	15.8 + 10.7
	Rated Water Flow	LPM	192	77 + 77	96 + 77
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	4,200 x 2	4,200 x 2
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	3,000	5,600	5,600
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Low Pressure Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
Water Connecting Pipes	Inlet	A (inch)	40A(PT 1-1/2) (Internal Thread)	40A(PT 1-1/2) + 40A(PT 1-1/2) (Internal Thread)	40A(PT 1-1/2) + 40A(PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A(PT 1-1/2) (Internal Thread)	40A(PT 1-1/2) + 40A(PT 1-1/2) (Internal Thread)	40A(PT 1-1/2) + 40A(PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A(PT 3/4) (External Thread)	20A(PT 3/4) (External Thread)	20A(PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 1	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 1	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2
Net Weight		kg x No.	140 x 1	127 x 2	127 x 2
Shipping Weight		kg x No.	150 x 1	137 x 2	137 x 2
Sound Pressure Level	Cooling	dB(A)	54.0	50.0	52.0
	Heating	dB(A)	60.0	54.0	55.0
Sound Power Level	Cooling	dB(A)	66.0	62.0	64.0
	Heating	dB(A)	72.0	66.0	67.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	3.0	11.6	11.6
	t-CO_2eq		6.3	24.2	24.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			32(50)	26(40)	29(45)

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT RECOVERY

ARWB220LAS4 / ARWB240LAS4
ARWB280LAS4

HP			22	24	28
Model Name	Combination Unit		ARWB220LAS4	ARWB240LAS4	ARWB280LAS4
	Independent Unit		ARWB140LAS4 ARWB080LAS4	ARWB140LAS4 ARWB100LAS4	ARWB140LAS4 ARWB140LAS4
Capacity	Cooling (Rated)	kW	61.6	67.2	78.4
	Heating (Rated)	kW	69.3	75.6	88.2
Input	Cooling (Rated)	kW	11.70	12.93	15.68
	Heating (Rated)	kW	12.37	13.51	16.34
EER			5.26	5.20	5.00
COP	Rated Capacity		5.60	5.60	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	28.6 + 10.7	28.6 + 15.8	28.6 + 28.6
	Rated Water Flow	LPM	135 + 77	135 + 96	135 + 135
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.	4,200 x 2	4,200 x 2	4,200 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	5,600	5,600	5,600
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
	High Pressure Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2
Net Weight		kg x No.	127 x 2	127 x 2	127 x 2
Shipping Weight		kg x No.	137 x 2	137 x 2	137 x 2
Sound Pressure Level	Cooling	dB(A)	58.0	59.0	59.0
	Heating	dB(A)	58.0	58.0	58.0
Sound Power Level	Cooling	dB(A)	70.0	71.0	72.0
	Heating	dB(A)	70.0	70.0	71.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	11.6	11.6	11.6
	t-CO_2eq		24.2	24.2	24.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			35 (44)	39 (48)	45 (56)

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (150% ~ 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 7.5m and difference of Elevation (Outdoor - Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT RECOVERY

ARWB300LAS4 / ARWB340LAS4
ARWB400LAS4

HP			30	34	40
Model Name	Combination Unit		ARWB300LAS4	ARWB340LAS4	ARWB400LAS4
	Independent Unit		ARWB200LAS4 ARWB100LAS4	ARWB200LAS4 ARWB140LAS4	ARWB200LAS4 ARWB200LAS4
Capacity	Cooling (Rated)	kW	84.0	95.2	112.0
	Heating (Rated)	kW	94.5	107.1	126.0
Input	Cooling (Rated)	kW	16.29	19.04	22.40
	Heating (Rated)	kW	17.01	19.84	23.34
EER			5.16	5.00	5.00
COP	Rated Capacity		5.56	5.40	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 15.8	30.1 + 28.6	30.1 + 30.1
	Rated Water Flow	LPM	192 + 96	192 + 135	192 + 192
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 1 + 4,200 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	5,800	5,800	6,000
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø34.9 (1-3/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2	(804 x 1,143 x 630) x 2
Net Weight		kg x No.	(140 x 1) + (127 x 1)	(140 x 1) + (127 x 1)	140 x 2
Shipping Weight		kg x No.	(150 x 1) + (137 x 1)	(150 x 1) + (137 x 1)	150 x 2
Sound Pressure Level	Cooling	dB(A)	55.0	59.0	55.0
	Heating	dB(A)	61.0	61.0	61.0
Sound Power Level	Cooling	dB(A)	67.0	72.0	68.0
	Heating	dB(A)	73.0	74.0	74.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	8.8	8.8	6.0
	t-CO_2eq		18.4	18.4	12.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			49 (60)	55 (64)	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT RECOVERY

ARWB420LAS4 / ARWB440LAS4
ARWB480LAS4

HP			42	44	48
Model Name	Combination Unit		ARWB420LAS4	ARWB440LAS4	ARWB480LAS4
	Independent Unit		ARWB200LAS4 ARWB140LAS4 ARWB080LAS4	ARWB200LAS4 ARWB140LAS4 ARWB100LAS4	ARWB200LAS4 ARWB140LAS4 ARWB140LAS4
Capacity	Cooling (Rated)	kW	117.6	123.2	134.4
	Heating (Rated)	kW	132.3	138.6	151.2
Input	Cooling (Rated)	kW	22.9	24.13	26.88
	Heating (Rated)	kW	24.04	25.18	28.01
EER			5.14	5.11	5.00
COP	Rated Capacity		5.50	5.50	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 28.6 + 10.7	30.1 + 28.6 + 15.8	30.1 + 28.6 + 28.6
	Rated Water Flow	LPM	192 + 135 + 77	192 + 135 + 96	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 1 + 4,200 x 2	5,300 x 1 + 4,200 x 2	5,300 x 1 + 4,200 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	8,600	8,600	8,600
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 3	(804 x 1,143 x 630) x 3	(804 x 1,143 x 630) x 3
Net Weight		kg x No.	(140 x 1) + (127 x 2)	(140 x 1) + (127 x 2)	(140 x 1) + (127 x 2)
Shipping Weight		kg x No.	(150 x 1) + (137 x 2)	(150 x 1) + (137 x 2)	(150 x 1) + (137 x 2)
Sound Pressure Level	Cooling	dB(A)	60.0	60.0	60.0
	Heating	dB(A)	62.0	62.0	62.0
Sound Power Level	Cooling	dB(A)	72.0	72.0	74.0
	Heating	dB(A)	74.0	74.0	76.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.6	14.6	14.6
	t-CO_2eq		30.5	30.5	30.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT RECOVERY

ARWB500LAS4 / ARWB540LAS4
ARWB600LAS4

HP			50	54	60
Model Name	Combination Unit		ARWB500LAS4	ARWB540LAS4	ARWB600LAS4
	Independent Unit		ARWB200LAS4 ARWB200LAS4 ARWB100LAS4	ARWB200LAS4 ARWB200LAS4 ARWB140LAS4	ARWB200LAS4 ARWB200LAS4 ARWB200LAS4
Capacity	Cooling (Rated)	kW	140.0	151.2	168.0
	Heating (Rated)	kW	157.5	170.1	189.0
Input	Cooling (Rated)	kW	27.49	30.24	33.60
	Heating (Rated)	kW	28.68	31.51	35.01
EER			5.09	5.00	5.00
COP	Rated Capacity		5.49	5.40	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 15.8	30.1 + 28.6 + 28.6	30.1 + 30.1 + 30.1
	Rated Water Flow	LPM	192 + 192 + 96	192 + 192 + 135	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 2 + 4,200 x 1	5,300 x 2 + 4,200 x 1	5,300 x 3
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	8,800	8,800	9,000
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 3	(804 x 1,143 x 630) x 3	(804 x 1,143 x 630) x 3
Net Weight		kg x No.	(140 x 2) + (127 x 1)	(140 x 2) + (127 x 1)	140 x 3
Shipping Weight		kg x No.	(150 x 2) + (137 x 1)	(150 x 2) + (137 x 1)	150 x 3
Sound Pressure Level	Cooling	dB(A)	58.0	60.0	56.0
	Heating	dB(A)	63.0	62.0	62.0
Sound Power Level	Cooling	dB(A)	70.0	74.0	70.0
	Heating	dB(A)	75.0	76.0	76.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	11.8	11.8	9.0
	t-CO_2eq		24.6	24.6	18.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT RECOVERY

ARWB620LAS4 / ARWB640LAS4
ARWB680LAS4

HP			62	64	68
Model Name	Combination Unit		ARWB620LAS4	ARWB640LAS4	ARWB680LAS4
	Independent Unit		ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 ARWB080LAS4	ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 ARWB100LAS4	ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 ARWB140LAS4
Capacity	Cooling (Rated)	kW	173.6	179.2	190.4
	Heating (Rated)	kW	195.3	201.6	214.2
Input	Cooling (Rated)	kW	34.10	35.33	38.08
	Heating (Rated)	kW	35.71	36.85	39.68
EER			5.09	5.07	5.00
COP	Rated Capacity		5.47	5.47	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 28.6 + 10.7	30.1 + 30.1 + 28.6 + 15.8	30.1 + 30.1 + 28.6 + 28.6
	Rated Water Flow	LPM	192 + 192 + 135 + 77	192 + 192 + 135 + 96	192 + 192 + 135 + 135
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Motor Output x Number	W x No.	5,300 x 2 + 4,200 x 2	5,300 x 2 + 4,200 x 2	5,300 x 2 + 4,200 x 2
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	11,600	11,600	11,600
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø44.5 (1-3/4)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 4	(804 x 1,143 x 630) x 4	(804 x 1,143 x 630) x 4
Net Weight		kg x No.	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)
Shipping Weight		kg x No.	(150 x 2) + (137 x 2)	(150 x 2) + (137 x 2)	(150 x 2) + (137 x 2)
Sound Pressure Level	Cooling	dB(A)	61.0	61.0	61.0
	Heating	dB(A)	64.0	64.0	63.0
Sound Power Level	Cooling	dB(A)	73.0	73.0	75.0
	Heating	dB(A)	76.0	76.0	77.0
Communication Cable		mm² x No. (VCTF-SB)	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	17.6	17.6	17.6
	t-CO_2eq		36.7	36.7	36.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

MULTI V WATER IV HEAT RECOVERY

ARWB700LAS4 / ARWB740LAS4
ARWB800LAS4

HP			70	74	80
Model Name	Combination Unit		ARWB700LAS4	ARWB740LAS4	ARWB800LAS4
	Independent Unit		ARWB200LAS4 ARWB200LAS4 ARWB200LAS4 ARWB100LAS4	ARWB200LAS4 ARWB200LAS4 ARWB200LAS4 ARWB140LAS4	ARWB200LAS4 ARWB200LAS4 ARWB200LAS4 ARWB200LAS4
Capacity	Cooling (Rated)	kW	196.0	207.2	224.0
	Heating (Rated)	kW	220.5	233.1	252.0
Input	Cooling (Rated)	kW	38.69	41.44	44.80
	Heating (Rated)	kW	40.35	43.18	46.68
EER			5.07	5.00	5.00
COP	Rated Capacity		5.46	5.40	5.40
Exterior	Color		Warm Gray / Morning Gray	Warm Gray / Morning Gray	Warm Gray / Morning Gray
	RAL Code (Classic)		RAL 7044 / RAL 7030	RAL 7044 / RAL 7030	RAL 7044 / RAL 7030
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm ²	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 30.1 + 15.8	30.1 + 30.1 + 30.1 + 28.6	30.1 + 30.1 + 30.1 + 30.1
	Rated Water Flow	LPM	192 + 192 + 192 + 96	192 + 192 + 192 + 135	192 + 192 + 192 + 192
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination x No.		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Motor Output x Number	W x No.	5,300 x 3 + 4,200 x 1	5,300 x 3 + 4,200 x 1	5,300 x 4
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge	cc	11,800	11,800	12,000
Refrigerant Connecting Pipes	Liquid Pipe	mm (inch)	Ø22.2 (7/8)	Ø22.2 (7/8)	Ø22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)	Ø53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)	Ø44.5 (1-3/4)
Water Connecting Pipes	Inlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)
	Outlet	A (inch)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)	40A (PT 1-1/2) + 40A (PT 1-1/2) + 40A (PT 1-1/2) + PT40 (Internal Thread)
	Drain Outlet	A (inch)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)	20A (PT 3/4) (External Thread)
Dimensions (W x H x D)		mm x No.	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
Dimensions (W x H x D) - Shipping		mm x No.	(804 x 1,143 x 630) x 4	(804 x 1,143 x 630) x 4	(804 x 1,143 x 630) x 4
Net Weight		kg x No.	(140 x 3) + (127 x 1)	(140 x 3) + (127 x 1)	140 x 4
Shipping Weight		kg x No.	(150 x 3) + (137 x 1)	(150 x 3) + (137 x 1)	150 x 4
Sound Pressure Level	Cooling	dB(A)	59.0	61.0	57.0
	Heating	dB(A)	65.0	63.0	63.0
Sound Power Level	Cooling	dB(A)	71.0	75.0	71.0
	Heating	dB(A)	77.0	77.0	77.0
Communication Cable		mm ² x No. (VCTF-SB)	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.8	14.8	12.0
	t-CO_2eq		30.9	30.9	25.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of Maximum Connectable Indoor Units			64	64	64

Note
1. Maximum numbers are prepared based on assumption that all 2.2kW indoor units are connected. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination (150% ~ 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 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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 conditions 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.)

NOTE

INDOOR UNITS

WALL MOUNTED

CEILING MOUNTED CASSETTE

CEILING MOUNTED ROUND CASSETTE

CEILING CONCEALED DUCT

FRESH AIR INTAKE

CEILING SUSPENDED

CONSOLE

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	○ ~7.1kW Only
	Pre Filter	○
	Auto Cleaning	○
Comfort	Sleep Mode	○
	Timer (On / Off)	○
	Timer (Weekly)	○
	Two Thermistor Control	○
	Group Control	○

※ ○: Applied, -: Not applied

SMART

Wi-Fi Control

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

LG ThinQ

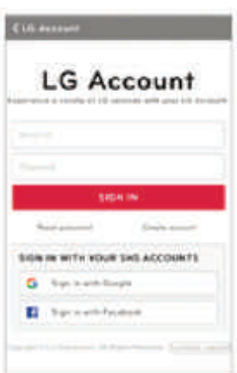
Search "LG ThinQ" on Google market or the App Store to download the app.

Integrated Home Appliances Control

Control / Monitor all your LG appliances from one place.

Easy Registration and Log-in

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



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

Simple operation for various functions


On/Off, Current Temp


Mode, Set Temp


Vane Control

Straight forward Management


Reservation


Energy Monitoring


Smart Diagnosis


Filter Management

Access your air conditioner anytime and from anywhere

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

Wi-Fi Connectivity

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

Multiple Devices

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

Multi-Control

FRESH AIR

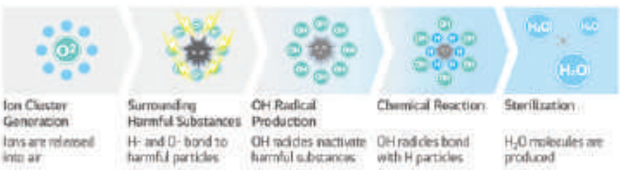
Ionizer^{PLUS}

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

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

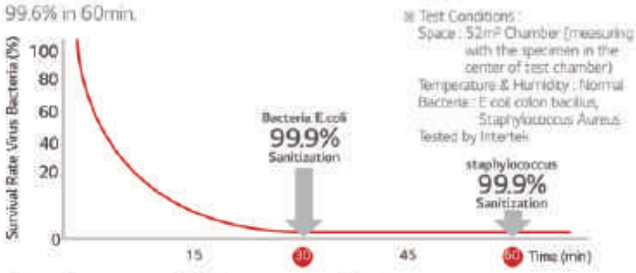
Sterilization and Deodorization (Utilizes Over 3 Million Ions)

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



Sterilization Performance Evaluations

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



2.1 odor strength decrease in 60 minutes

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

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

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

Auto Cleaning

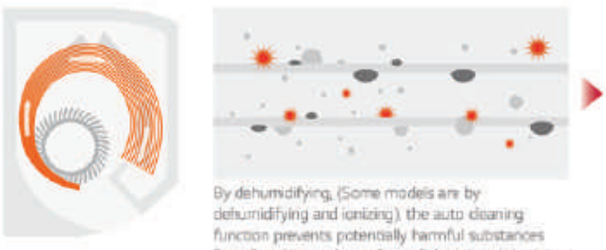
The unit has a self-cleaning function that dries the heat exchanger before sterilizing the interior.

Pain Point

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

Cleans Filter with Regular Airflow

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



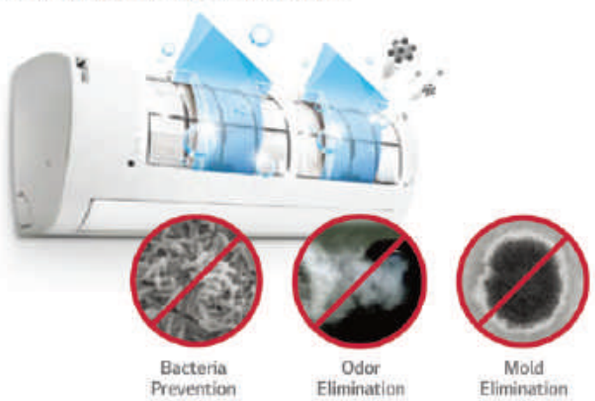
By dehumidifying, (Some models are by dehumidifying and ionizing) the auto cleaning function prevents potentially harmful substances from forming on the surface of the heat exchanger.

The indoor environment remains odorless with the advanced deodorizing function.

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

Auto cleaning

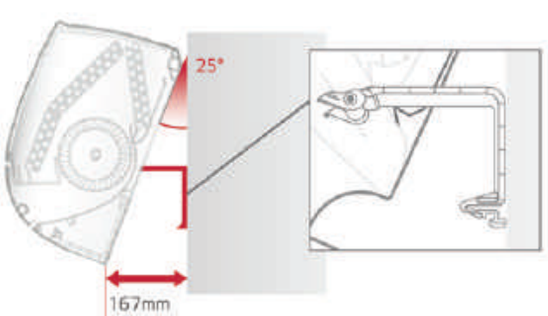
Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.



Installation

Installation Support Clip

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



FAST COOLING & HEATING

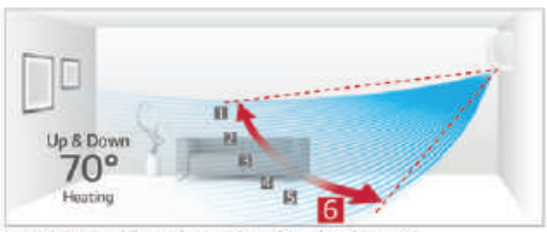
Auto Swing

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

※ Specifications may vary for each model.

6-Step Vane Control up to 70°

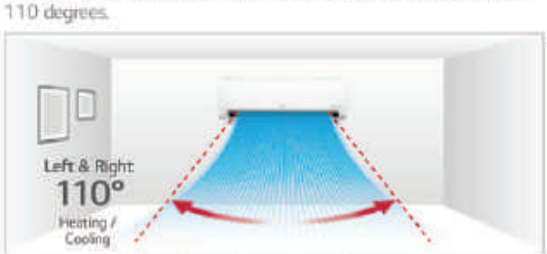
The vertical vane, which moves up and down, has 6 different settings including full-auto swing.



※ 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 LG ThinQ Wi-Fi app.

Up / Down Swing

Jet Cool

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

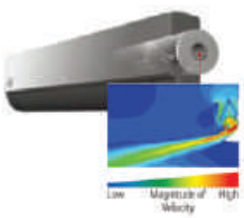
※ Specifications may vary for each model.
※ Depending on the experimental conditions.

One Click "Jet Mode"

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

More Powerful Performance

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

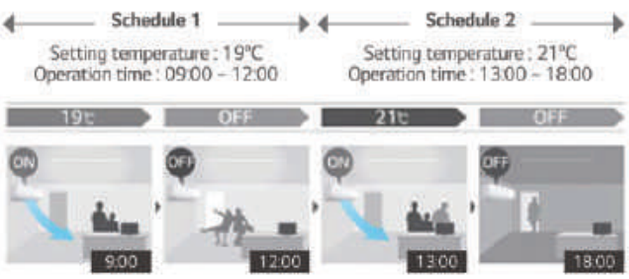


COMFORT

Scheduled Operation

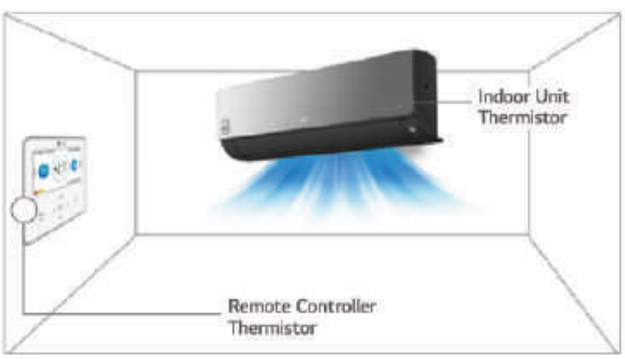
You can set the daily temperature, fan speed, the operation mode and automatic On / Off time for two weeks. It will keep running on that time until cancelled by the user.

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



Two Thermistors Control

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



Group Control

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

STANDARD

ARNU05GSJN4 / ARNU07GSJN4
ARNU09GSJN4 / ARNU12GSJN4
ARNU15GSJN4

Model		Unit	ARNU05GSJN4	ARNU07GSJN4	ARNU09GSJN4	ARNU12GSJN4	ARNU15GSJN4
Cooling Capacity		kW	1.6	2.2	2.8	3.6	4.5
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)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)
Weight	Body	kg	8.4	8.4	8.4	8.4	8.4
Sound Pressure Levels (H / M / L)		dB(A)	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32
Sound Power Levels (H / M / L)		dB(A)	54 / 53 / 52	54 / 53 / 52	55 / 54 / 52	55 / 54 / 53	58 / 56 / 54
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU05GSJN4	ARNU07GSJN4	ARNU09GSJN4	ARNU12GSJN4	ARNU15GSJN4
Drain Pump	-				
Cassette Cover	-				
Refrigerant Leakage Detector	PRLDNVS0				
EEV Kit	PRGK024A0				
Independent Power Module	PRIPD				
Robot Cleaner	-				
Pre Filter (Washable)	O				
Ion Generator	O				
CO_2 Sensor	-				
Ventilation Kit	-				
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)	O				
Wi-Fi	O				

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

STANDARD

ARNU18GSK*4 / ARNU24GSK*4
ARNU30GSVA4 / ARNU36GSVA4

Model		Unit	ARNU18GSK*4	ARNU24GSK*4	ARNU30GSVA4	ARNU36GSVA4
Cooling Capacity		kW	5.6	7.1	8.8	10.4
Heating Capacity		kW	6.3	7.5	9.4	10.8
Power Input (H / M / L)	Nominal	W	32 / 26 / 16	39 / 26 / 16	54 / 43 / 31	85 / 51 / 36
Exterior Color			White	White	White	White
RAL Code			RAL 9016	RAL 9016	RAL 9016	RAL 9016
Dimensions (W x H x D)	Body	mm	975 x 354 x 209	975 x 354 x 209	1,190 x 346 x 265	1,190 x 346 x 265
	Shipping	mm	1,063 x 420 x 274	1,063 x 420 x 274	1,265 x 432 x 335	1,265 x 432 x 335
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	58 x 1	58 x 1	113 x 1	113 x 1
	Air Flow Rate (H / M / L)	m³/min	14.0 / 12.0 / 10.5	15.2 / 12.7 / 10.5	23.0 / 20.0 / 17.0	26.0 / 23.0 / 19.0
	Motor Type		BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)
Weight	Body	kg	12.2	12.2	16.6	16.6
Sound Pressure Levels (H / M / L)		dB(A)	43 / 39 / 34	46 / 41 / 34	49 / 44 / 42	52 / 47 / 43
Sound Power Levels (H / M / L)		dB(A)	63 / 57 / 54	65 / 60 / 54		
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU18GSK*4	ARNU24GSK*4	ARNU30GSVA4	ARNU36GSVA4
Drain Pump	-		-	
Cassette Cover	-		-	
Refrigerant Leakage Detector	PRLDNVS0		PRLDNVS0	
EEV Kit	PRGK024A0		-	
Independent Power Module	PRIP0		PRIP0	
Robot Cleaner	-		-	
Pre Filter (Washable)	○		○	
Ion Generator	○		-	
CO_2 Sensor	-		-	
Ventilation Kit	-		-	
IR Receiver	-		-	
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	

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

CEILING MOUNTED CASSETTE

Features & Benefits

- New Dual Vane 4 Way cassette allows comfortable air flow.
- Full 3D Turbo fan decreases air resistance, providing high air flow and low sound levels.
- 5-Step air cleaning process removes invisible, ultra fine dust, odor and germs to ensure a clean and healthy living

Key Applications

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

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

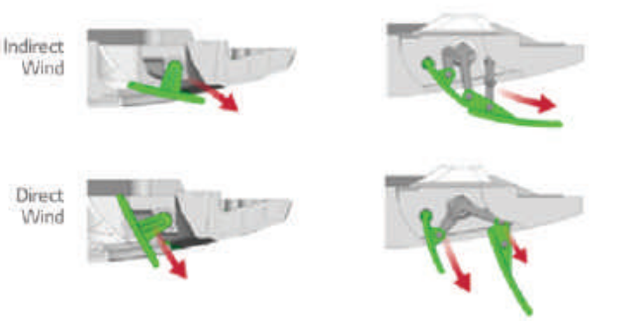
NEW DESIGN

4 Way Air Flow with New Design

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

*New types wind

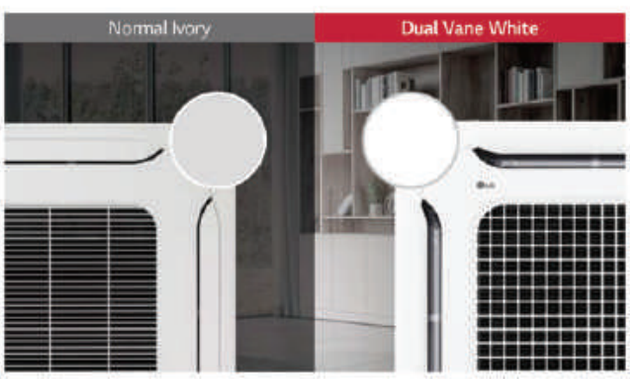
Normal	Dual Vane



*6 Airflows mode

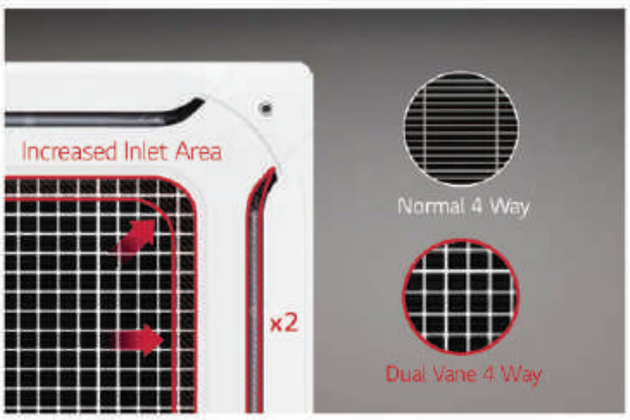
Brighter Color

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



Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.



Full 3D Turbo Fan

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

Turbo fan

Full 3D Turbo fan

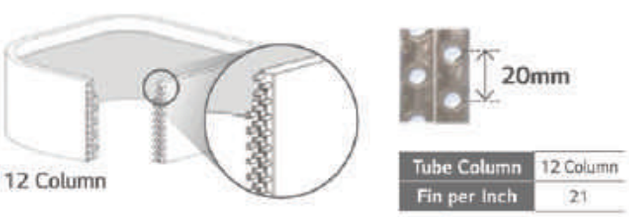
Power consumption 13W ↓, Noise 3dB(A) ↓

Improved outlet flow rate

High Efficiency Heat Exchanger (HEX)

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

Normal Ø7 HEX



Tube Column	12 Column
Fin per Inch	21

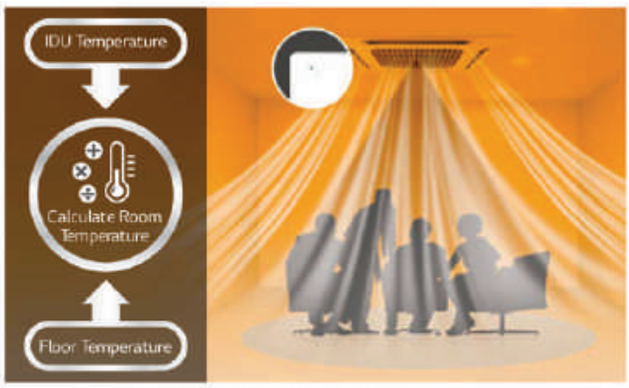
High Efficient Ø5 HEX

Tube Column	18 Column
Fin per Inch	22

SMART

Ceiling to Floor Temperature Sensing

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



※ Available only for products with floor temperature sensor.

Human-detection Air Flow

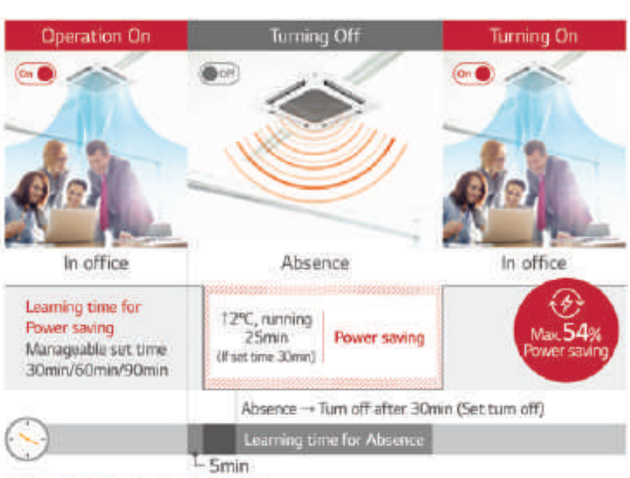
Human detection provides users with direct or indirect air flow preferences.

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

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

Human Detection for Optimized Efficiency

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



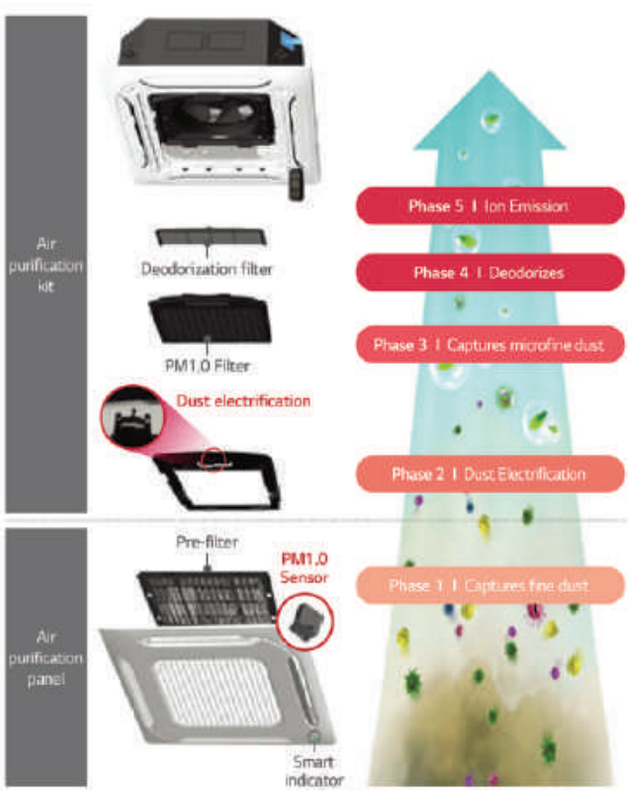
※ Smart Dual Vane Indoor Unit '20 Line up
※ Data Based on actual test of LG, single product 2 hours measurement result (Cooling 26 ℃, strong wind)

High-performance Air purification

Air cleaning function provides fresh, filtered air.

Convenient & Powerful 5-Step Air purification

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



Cycle Management

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

SMART

Real-time Air Quality Monitoring

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

① Smart indicator (Air quality)

Real-time indoor air quality level displayed on indoor unit

② Remote controller

Air quality level displayed on remote controller

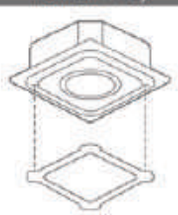
③ Mobile

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

Dual Elevating Grille

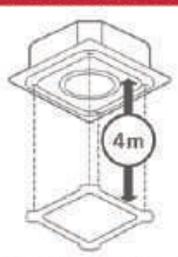
Grille automatically detaches and re-attaches with 4 touchpoints for enhanced stability & convenient filter management.

Normal 4 Way



① Horizontal Sensor ② Check Close grille

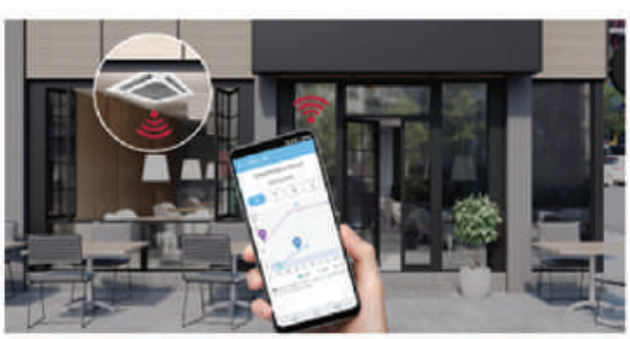
Smart Dual Vane IDU



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

LG ThinQ Connectivity

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



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

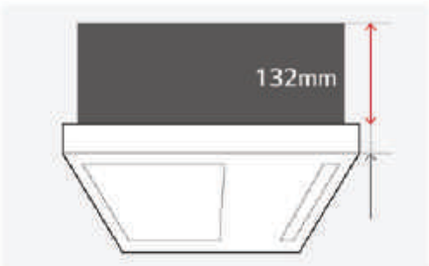
② Mobile Remote Control
Remote control by using mobile phone
- Control Mode / Temperature / Air flow etc.

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

INSTALLATION

Minimized Height

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



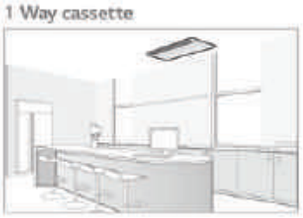
Size Comparison (Unit : mm)

	A Company	B Company	LG
1 Way Cassette	215	230	132

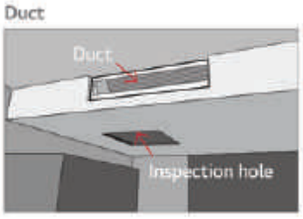
Flexible Installation

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

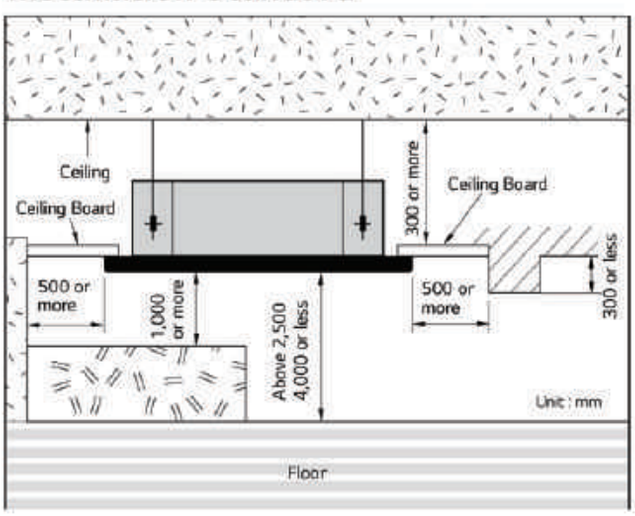
1 Way cassette



Duct



Installation Standard



DUAL VANE 4 Way CASSETTE (840 X 840)

ARNU24GTBB4 / ARNU28GTBB4
ARNU30GTBB4

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

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

Accessories

Chassis	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Drain Pump		O	
Cassette Cover		PTDCA	
Refrigerant Leakage Detector		PRLDNVS0	
EEV Kit		-	
Independent Power Module		PRIP0	
Robot Cleaner		-	
Pre Filter (Washable)		O	
Ion Generator		-	
CO_2 Sensor		-	
Ventilation Kit		-	
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)		O	
Wi-Fi		PWFMDD200	
Human detection sensor		PTVSAA0	
Floor Temperature Sensor		PT-AFGW0 :O	
Air Purification kit		PT-AFGW0 : PTAHMP0	
Elevation Grille		PT-AEGW0 :O	

DUAL VANE 4 Way CASSETTE (840 X 840)

ARNU36GTAB4 / ARNU42GTAB4
ARNU48GTAB4

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

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

Accessories

Chassis	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Drain Pump	○		
Cassette Cover	PTDCA		
Refrigerant Leakage Detector	PRLDNVS0		
EEV Kit	-		
Independent Power Module	PRIP0		
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), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○		
Wi-Fi	PWFMDD200		
Human detection sensor	PTVSAA0		
Floor Temperature Sensor	PT-AFGW0 : ○		
Air Purification kit	PT-AFGW0 : PTAHMP0		
Elevation Grille	PT-AEGW0 : ○		

DUAL VANE 4 Way CASSETTE (840 X 840) HIGH SENSIBLE

ARNU07GTAA4 / ARNU09GTAA4
ARNU12GTAA4 / ARNU15GTAA4
ARNU18GTAA4

Model		Unit	ARNU07GTAA4	ARNU09GTAA4	ARNU12GTAA4	ARNU15GTAA4	ARNU18GTAA4
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3
Power Input (H / M / L)	Nominal	W	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
	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 x No.	166 x 1	166 x 1	166 x 1	166 x 1	166 x 1
	Running Current	A	0.23	0.25	0.25	0.27	0.28
	Air Flow Rate (H / M / L)	m³/min	19 / 16 / 13	19 / 16 / 13	20 / 17 / 15	20 / 17 / 15	21 / 19 / 16
	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)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	26	26	26	26	26
Sound Pressure Level (H / M / L)		dB(A)	32 / 30 / 26	33 / 30 / 26	34 / 31 / 27	34 / 32 / 29	35 / 32 / 30
Sound Power Level (H / M / L)		dB(A)	41 / 38 / 34	42 / 39 / 34	42 / 40 / 36	43 / 40 / 37	44 / 41 / 38
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.25 x 2C	1.25 x 2C	1.25 x 2C	1.25 x 2C	1.25 x 2C
Decoration Panel (Accessory)	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 / 8.5	7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5

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

Accessories

Chassis	ARNU07GTAA4	ARNU09GTAA4	ARNU12GTAA4	ARNU15GTAA4	ARNU18GTAA4
Drain Pump			○		
Cassette Cover			PTDCA		
Refrigerant Leakage Detector			PRLDNVS0		
EEV Kit			-		
Independent Power Module			PRIP0		
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), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)			○		
Wi-Fi			PWFMDD200		
Human detection sensor			PTVSAA0		
Floor Temperature Sensor			PT-AFGW0 : ○		
Air Purification kit			PT-AFGW0 : PTAHMP0		
Elevation Grille			PT-AEGW0 : ○		

DUAL VANE 4 Way CASSETTE (840 X 840) 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	35 / 29 / 20	40 / 31 / 25	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 x No.	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)	m³/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)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	26	26	26	26	26
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, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.25 x 2C	1.25 x 2C	1.25 x 2C	1.25 x 2C	1.25 x 2C
Decoration Panel (Accessory)	Model Name		PT-AAGW0 PT-AFGW0 PT-AEGW0	PT-AAGW0 PT-AFGW0 PT-AEGW0	PT-AAGW0 PT-AFGW0 PT-AEGW0	PT-AAGW0 PT-AFGW0 PT-AEGW0	PT-AAGW0 PT-AFGW0 PT-AEGW0
	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 / 8.5	7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5	7.1 / 7.5 / 8.5

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

Accessories

Chassis	ARNU24GTAA4	ARNU28GTAA4	ARNU36GTAA4	ARNU42GTAA4	ARNU48GTAA4
Drain Pump	○				
Cassette Cover	PTDCA				
Refrigerant Leakage Detector	PRLDNVS0				
EEV Kit	-				
Independent Power Module	PRPO				
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), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)				
External Input (1 Point)	○				
Wi-Fi	PWFMDD200				
Human detection sensor	PTVSAA0				
Floor Temperature Sensor	PT-AFGW0 : ○				
Air Purification kit	PT-AFGW0 : PTAHMP0				
Elevation Grille	PT-AEGW0 : ○				

4 Way CASSETTE (570 X 570)

ARNU05GTRB4 / ARNU07GTRB4
ARNU09GTRB4 / ARNU12GTRB4

Model		Unit	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
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 x No.	43 x 1	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m³/min	7.5 / 7.0 / 6.6	7.5 / 7.0 / 6.6	8.0 / 7.5 / 7.1	8.7 / 8.0 / 7.0
	Motor Type		BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	12.6	12.6	13.7	13.7
Sound Pressure Levels (H / M / L)		dB(A)	29 / 27 / 26	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27
Sound Power Levels (H / M / L)		dB(A)	45 / 43 / 42	45 / 43 / 42	46 / 43 / 42	48 / 46 / 43
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001	RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	700 x 22 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620
	Net Weight	kg	3.0 / 3.0	3.0 / 3.0	3.0 / 3.0	3.0 / 3.0

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

Accessories

Chassis	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Drain Pump	○			
Cassette Cover	PTDCQ			
Refrigerant Leakage Detector	PRLDNVS0			
EEV Kit	PRGK024A0 (~4.5kW)			
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			

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

4 Way CASSETTE (570 X 570)

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 x No.	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m³/min	11.0 / 10.0 / 9.3	11.2 / 11.0 / 10.0	12.0 / 11.1 / 9.4
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	15.0	15.0	15.0
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 32	37 / 35 / 34	40 / 38 / 34
Sound Power Levels (H / M / L)		dB(A)	50 / 48 / 46	51 / 50 / 46	53 / 51 / 46
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-QCHW0	PT-QCHW0	PT-QCHW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	700 x 22 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620
	Net Weight	kg	3.0 / 3.0	3.0 / 3.0	3.0 / 3.0

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

Accessories

Chassis	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Drain Pump	○		
Cassette Cover	PTDCQ		
Refrigerant Leakage Detector	PRLDNVS0		
EEV Kit	PRGK024A0 (~4.5kW)		
Independent Power Module	PRPD		
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		

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

4 Way CASSETTE (840 X 840)

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)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)
Weight	Body	kg	20.8 (45.8)	20.8 (45.8)	20.8 (45.8)	23.5 (51.8)
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 31	39 / 35 / 33	40 / 36 / 33	43 / 40 / 37
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 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog	Morning Fog
	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. Performance tested under EN14511
2. Capacities are based on the following conditions.
- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero
3. Due to our policy of innovation, some specifications may be changed without notification.

Accessories

Chassis	ARNU24GTPA4	ARNU28GTPA4	ARNU30GTPA4	ARNU36GTNA4
Drain Pump	○			
Cassette Cover	PTDCM			
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

4 Way CASSETTE (840 X 840)

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)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	25 (1)
Weight	Body	kg	25.6 (56.4)	25.6 (56.4)	26.5 (58.4)
Sound Pressure Levels (H / M / L)		dB(A)	44 / 41 / 38	46 / 43 / 41	50 / 48 / 44
Sound Power Levels (H / M / L)		dB(A)	58 / 55 / 50	60 / 56 / 55	60 / 58 / 55
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0	PT-MCGW0 PT-MPGW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog
	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. Performance tested under EN14511
2. Capacities are based on the following conditions.
- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero
3. Due to our policy of innovation, some specifications may be changed without notification.

Accessories

Chassis	ARNU42GTMA4	ARNU48GTMA4	ARNU54GTMA4
Drain Pump	○		
Cassette Cover	PTDCM		
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

2 Way CASSETTE

ARNU09GTSA4 / ARNU12GTSA4

Model		Unit	ARNU09GTSA4	ARNU12GTSA4
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 x 290 x 682	1,055 x 290 x 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)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)
Weight	Body	kg	18.1	18.1
Sound Pressure Levels (H / M / L)		dB(A)	33 / 31 / 29	34 / 32 / 29
Sound Power Levels (H / M / L)		dB(A)	42 / 40 / 38	43 / 41 / 39
Power Supply		Ø, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-USC	PT-USC
	Exterior Color		Morning Fog	Morning Fog
	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	4.65	4.65

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

Accessories

Chassis	ARNU09GTSA4	ARNU12GTSA4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	PRGK024A0 (-5.6kW)	
Independent Power Module	PRIP0	
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), 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

2 Way CASSETTE

ARNU18GTSA4 / ARNU24GTSA4

Model		Unit	ARNU18GTSA4	ARNU24GTSA4
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 x 290 x 682	1,055 x 290 x 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)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)
Weight	Body	kg	18.1	18.1
Sound Pressure Levels (H / M / L)		dB(A)	35 / 33 / 31	40 / 37 / 33
Sound Power Levels (H / M / L)		dB(A)	44 / 42 / 40	48 / 45 / 40
Power Supply		Ø, V, Hz	1, 220-230-240, 50/60	1, 220-230-240, 50/60
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-USC	PT-USC
	Exterior Color		Morning Fog	Morning Fog
	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	4.65	4.65

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

Accessories

Chassis	ARNU18GTSA4	ARNU24GTSA4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	PRGK024A0 (~5.6kW)	
Independent Power Module	PRPD	
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), 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

1 Way CASSETTE

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)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	13.6	13.6	13.6
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	50 / 48 / 47	52 / 50 / 47
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-UAHW0, PT-UPHG0	PT-UAHW0, PT-UPHG0	PT-UAHW0, PT-UPHG0
	Exterior Color		Noble White	Noble White	Noble White
	RAL Code		RAL 9003	RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm	1,160 x 34 x 500	1,160 x 34 x 500	1,160 x 34 x 500
	Net Weight	kg	3.3 / 4.1	3.3 / 4.1	3.3 / 4.1

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

Accessories

Chassis	ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4
Drain Pump	○		
Cassette Cover	-		
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	-		
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-UPHG0 : PTAHTP0		

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

1 Way CASSETTE

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)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	15.6	15.6
Sound Pressure Levels (H / M / L)		dB(A)	40 / 37 / 35	43 / 40 / 36
Sound Power Levels (H / M / L)		dB(A)	56 / 51 / 48	59 / 53 / 50
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-TAHW0, PT-TPHG0	PT-TAHW0, PT-TPHG0
	Exterior Color		Noble White	Noble White
	RAL Code		RAL 9003	RAL 9003
	Net Dimensions (W x H x D)	mm	1,480 x 34 x 500	1,480 x 34 x 500
	Net Weight	kg	4.5 / 4.9	4.5 / 4.9

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

Accessories

Chassis	ARNU18GTTB4	ARNU24GTTB4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	-	
Independent Power Module	PRIP0	
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), 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-UPHG0 : PTAHTP0	

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

CEILING MOUNTED ROUND CASSETTE

Features & Benefits

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

Key Applications

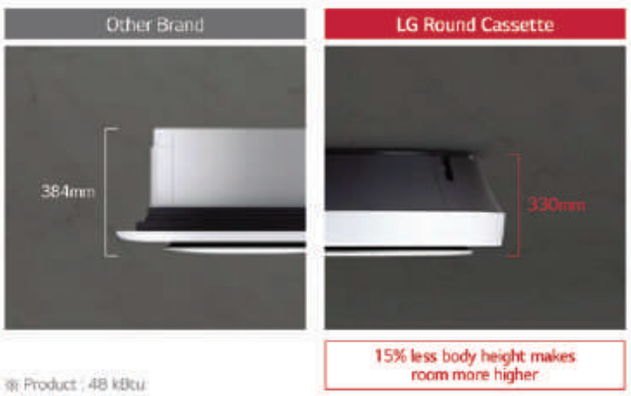
- Retail
- Restaurant
- Office
- Hotel

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

NEW DESIGN

Slim and Compact design

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



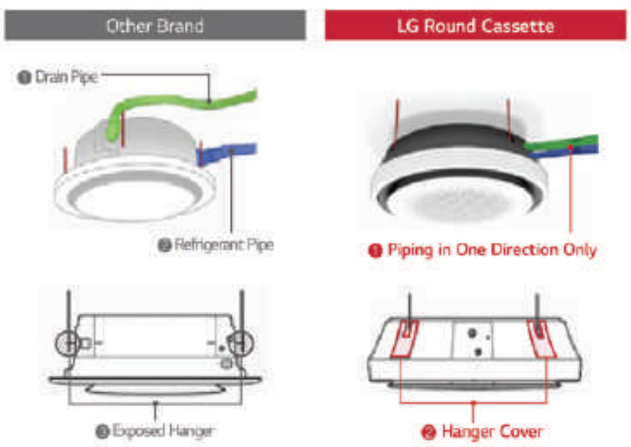
※ Product : 48 kBtu

Visible air flow

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

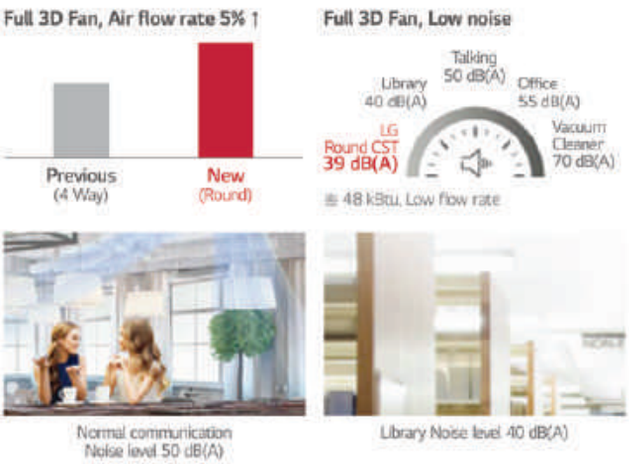
Minimal exposure design

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



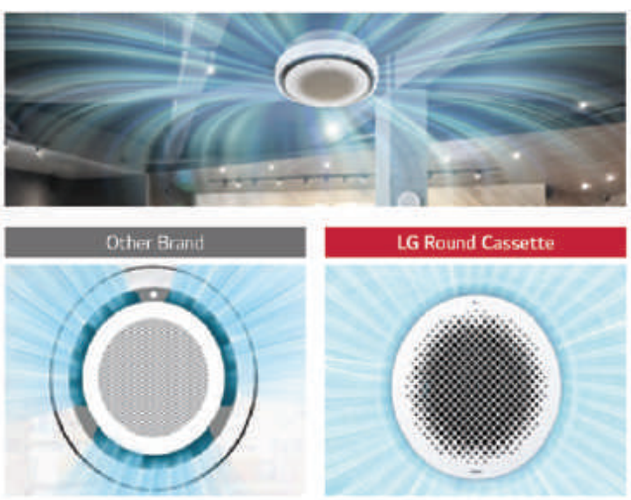
Powerful and Quiet air flow

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



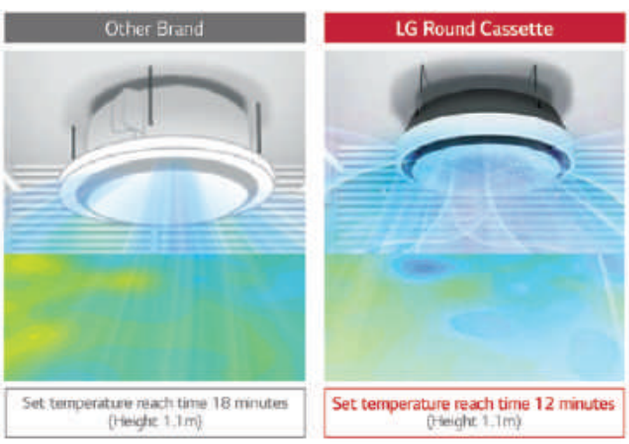
Perfect round air flow

Perfect round flow without blind spots.



30% Faster in cooling

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



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

ROUND CEILING CASSETTE

ARNU24GTYA4 / ARNU36GTYA4
ARNU48GTYA4

Model		Unit	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
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 x No.	157 x 1	157 x 1	157 x 1
	Air Flow Rate (H / M / L)	m³/min	22 / 21 / 19	27 / 24 / 21	32 / 28 / 23
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Long life	Long life	Long life
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	30	30	30
Sound Pressure Level (H / M / L)		dB(A)	39 / 37 / 34	43 / 39 / 37	47 / 44 / 39
Sound Power Level (H / M / L)		dB(A)	48 / 46 / 43	52 / 48 / 46	56 / 53 / 48
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Drain Pump	○		
Cassette Cover	-		
Refrigerant Leakage Detector	PRLDNVS0		
EEV Kit	-		
Independent Power Module	PRIP0		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO2 Sensor	-		
Ventilation Kit	-		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with additional accessory)	PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 Point)	○		
Wi-Fi	PWFMDD200		
Human detection sensor	-		
Floor Temperature Sensor	-		
Air Purification kit	-		
Elevation Grille	-		

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

CEILING CONCEALED DUCT

Features & Benefits

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

Key Applications

- Office
- Hotel
- Retail
- Residential building

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

※ ○ : Applied, - : Not applied

SMART

Wi-Fi Control

Anytime, anywhere access with LG ThinQ mobile app.

LG ThinQ

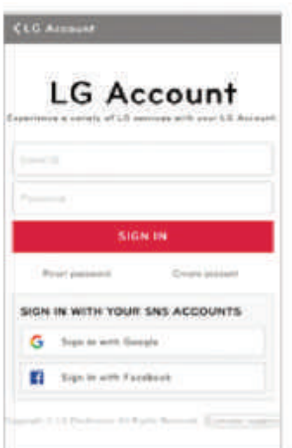
Search "LG ThinQ" on Google market or Appstore then download the app.

LG ThinQ

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

Easy Registration and Log-in

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



Simple operation for various functions

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

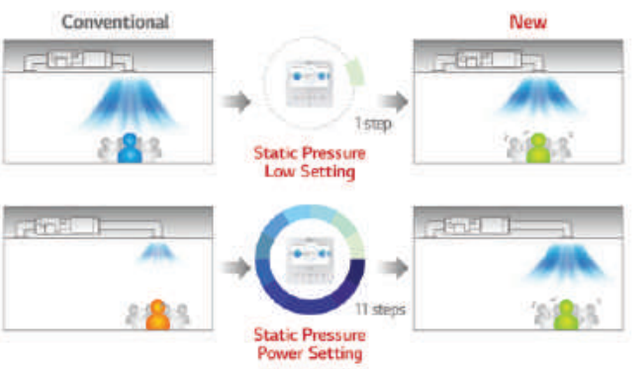
ENERGY EFFICIENCY

External Static Pressure (ESP) Control

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

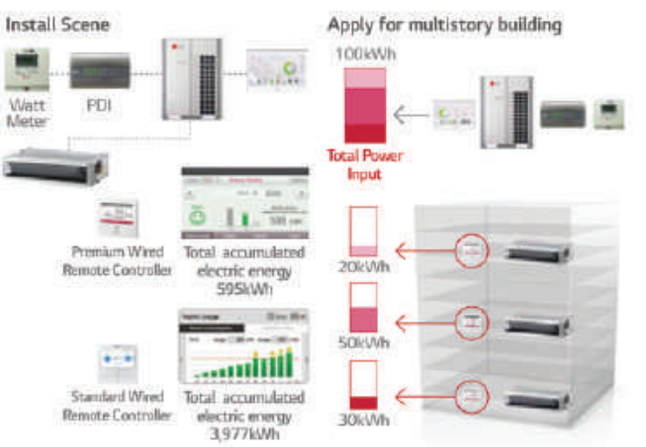
Static Pressure 11- Step Control

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



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.

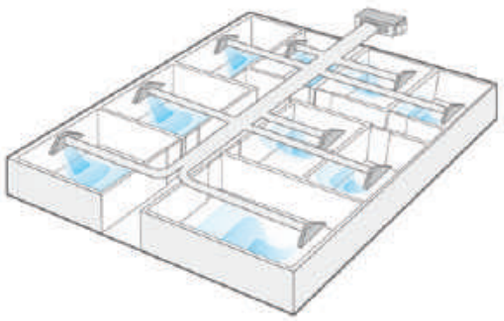


※ Outdoor unit's accumulated electric energy / using rate of individual indoor unit = indoor unit's accumulated electric energy is displayed in wired remote controller, only when central controller, digital integrating electricity meter and PDI are installed and PDI, outdoor unit and indoor unit are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

COMFORT

Multiple Room Operation

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



Filter Alert

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

Remain Time Until Indoor Filter Cleaning + Alarm

Standard Wired Remote Controller

Remain time until indoor filter cleaning 2,400hr

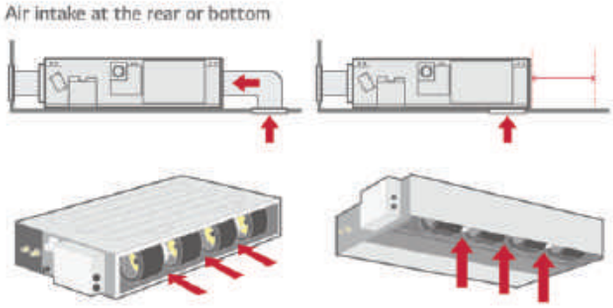
Premium Wired Remote Controller

Remain time until indoor filter cleaning 1,729hr

Flexible Installation (Low Static Duct Only)

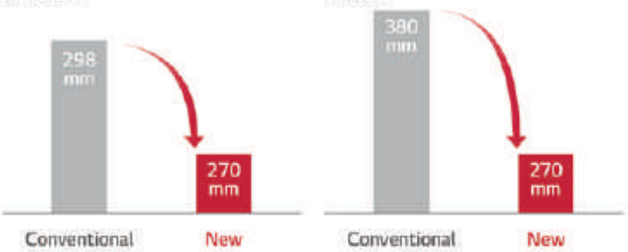
The low static duct allows the air intake at the rear or bottom under specific installation conditions.

Air intake at the rear or bottom



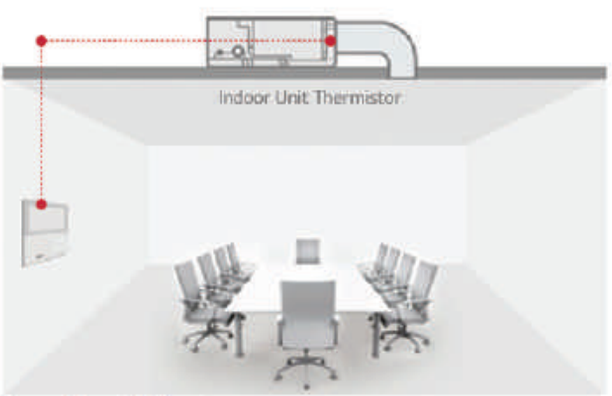
Minimized Height

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



Two Thermistors Control

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

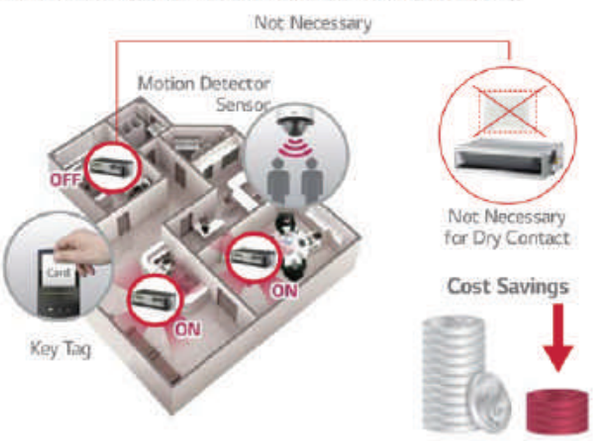


Remote Controller Thermistor

1 Point External Input (On / Off Control)

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

Connection between an indoor unit and external devices directly



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

MID STATIC

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)
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	25.5	25.5	25.5	25.5	25.5	26.5
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, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Drain Pump	○					
Cassette Cover	-					
Refrigerant Leakage Detector	PRLDNVS0					
EEV Kit	PRGK024A0 (~5.6kW)					
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

HIGH STATIC

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	350 x 1	350 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)
	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)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	38.0	38.0	39.5	44.0	44.0
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 33	37 / 36 / 34	38 / 37 / 36	39 / 37 / 35	42 / 40 / 39
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, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3A4	ARNU54GM3A4
Drain Pump	○				
Cassette Cover	-				
Refrigerant Leakage Detector	PRLDNVS0				
EEV Kit	-				
Independent Power Module	PRIPD				
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

HIGH STATIC

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)
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	87.0	87.0
Sound Pressure Levels (H / M / L)		dB(A)	45 / 41 / 40	47 / 42 / 41
Sound Power Levels (H / M / L)		dB(A)	70 / 68 / 68	72 / 69 / 68
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU76GB8A4	ARNU96GB8A4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	○	
Independent Power Module	PRIPO	
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

LOW STATIC

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)
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	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, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4
Drain Pump	○		
Cassette Cover	-		
Refrigerant Leakage Detector	PRLDNVS0		
EEV Kit	PRGK024A0		
Independent Power Module	PRIPD		
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

LOW STATIC

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)
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	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, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU12GL2G4	ARNU15GL2G4	ARNU18GL2G4
Drain Pump		○	
Cassette Cover		-	
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

LOW STATIC

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)
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	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, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

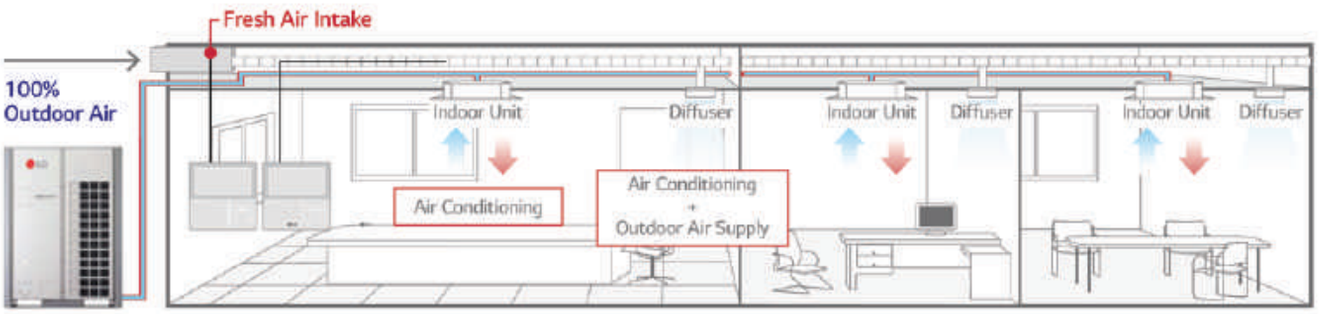
Chassis	ARNU21GL3G4	ARNU24GL3G4
Drain Pump	○	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	PRGK024A0	
Independent Power Module	PRPD	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	PWLRVN000	
Zone Controller	ABZCA	
Dry Contact (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 AIR INTAKE

Fresh Outdoor Air Supply

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

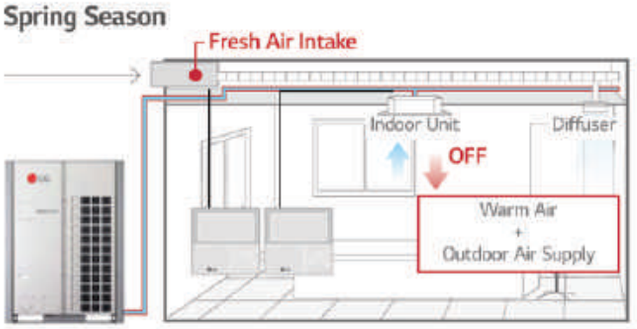


MULTI V 5 Outdoor Unit

Economic Operation

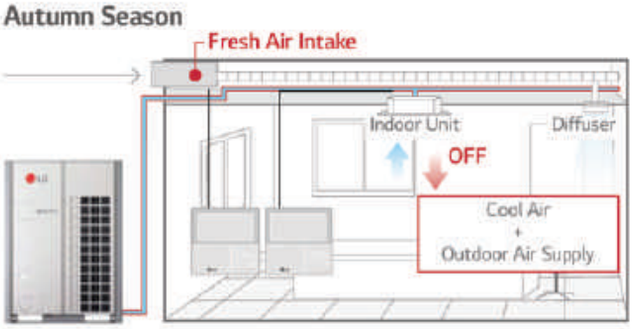
Natural outdoor air is utilized as seasons change for cost efficiency.

Spring Season



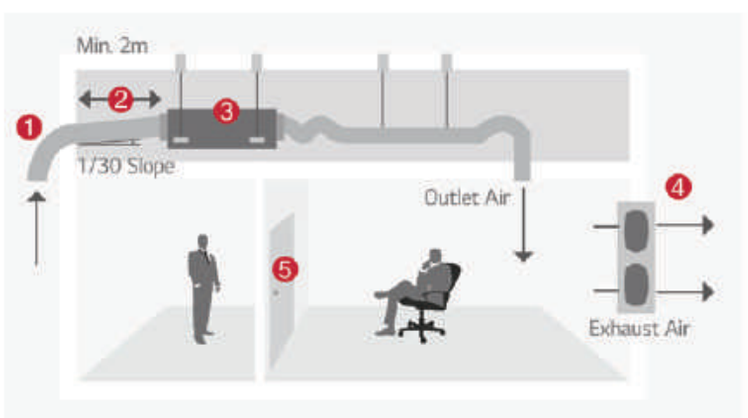
MULTI V 5 Outdoor Unit

Autumn Season



MULTI V 5 Outdoor Unit

Installation Scene



❶ Inlet Hood ❷ Intake Air Duct ❸ Fresh Air Intake Unit
❹ Exhaust Fan ❺ Door

FRESH AIR INTAKE

ARNU76GB8Z4 / ARNU96GB8Z4

Model		Unit	ARNU76GB8Z4	ARNU96GB8Z4
Cooling Capacity		kW	22.4	28.0
Heating Capacity		kW	21.4	26.7
Power Input (H / M / L)	Nominal	W	230 / 200 / 200	360 / 230 / 230
Dimensions (W x H x D)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688
	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 1	375 x 1
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m³/min	23.7 / 13.2 / 13.2	35.7 / 23.7 / 23.7
	External Static Pressure	mmAq (Pa)	22 (216)	22 (216)
	Motor Type		BLDC	BLDC
Air Filter			Long Life Filter	Long Life Filter
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	73.0	73.0
Sound Pressure Levels (H / M / L)		dB(A)	45 / 43 / 43	47 / 45 / 45
Sound Power Levels (H / M / L)		dB(A)	70 / 67 / 67	72 / 70 / 70
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

⚠CAUTION

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

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

Accessories

Chassis	ARNU76GB8Z4	ARNU96GB8Z4
Drain Pump	○	
Cassette Cover	-	
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	-	
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

CEILING SUSPENDED

Features & Benefits

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

Key Applications

- Retail
- Shop
- Restaurant

Ceilings		Ceiling & Floor Convertible	Ceiling Suspended
Smart	Wi-Fi	○	○
Fast Cooling & Heating	Jet Cool	○	○
Comfort	Sleep mode	○	○
	Timer (On / Off)	○	○
	Timer (Weekly)	○	○
	Two thermistor control	○	○
	Group control	○	○

※ ○ : Applied, - : Not applied

SMART

Wi-Fi Control

Access your air conditioner anytime and from anywhere.

LG ThinQ

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

Easy Registration and Log-in

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

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

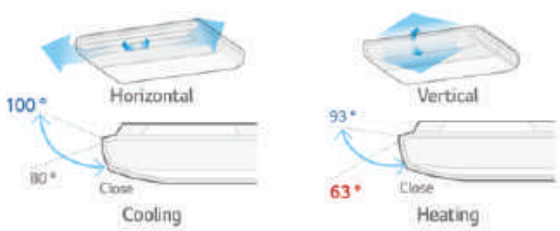
COMFORT (CONSOLE)

Flexible

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

Air flow Direction Control

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



Filter Change Alarm

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

COMFORT (CEILING SUSPENDED)

Differentiated Design

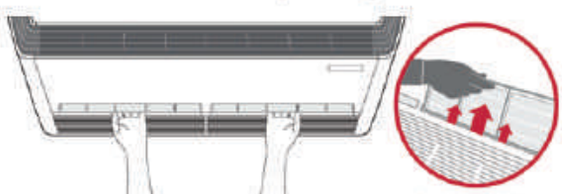
Modern elegance design with V-shape and black vane is appropriate for any commercial space. It received iF Design Award.

Powerful Cooling & Heating

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

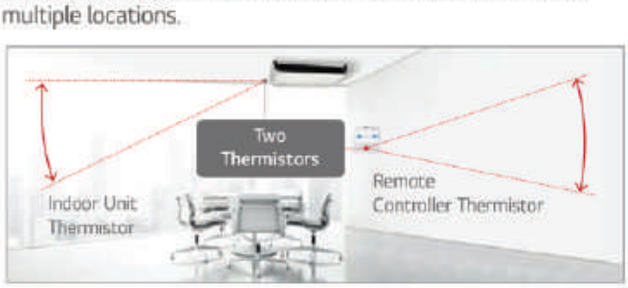
One Touch & 2 Piece Filter

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



Two Thermistors Control

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



CEILING SUSPENDED

ARNU18GV1A4 / ARNU24GV1A4

Model		Unit	ARNU18GV1A4	ARNU24GV1A4
Cooling Capacity		kW	5.6	7.1
Heating Capacity		kW	6.3	8.0
Power Input (H / M / L)	Nominal	W	23 / 20 / 17	25 / 21 / 17
Exterior Color			Morning Fog	Morning Fog
RAL Code			RAL 9001	RAL 9001
Dimensions (W x H x D)	Body	mm	1,200 x 235 x 690	1,200 x 235 x 690
	Shipping	mm	1,315 x 320 x 772	1,315 x 320 x 772
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	85.9 x 1	85.9 x 1
	Air Flow Rate (H / M / L)	m³/min	13.5 / 12.5 / 12.0	14.0 / 13.0 / 12.0
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø16 (5/8)	Ø16 (5/8)
Weight	Body	kg	29.0	29.0
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 33	37 / 35 / 33
Sound Power Levels (H / M / L)		dB(A)	61 / 59 / 56	62 / 59 / 56
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU18GV1A4	ARNU24GV1A4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	-	
Independent Power Module	PRIPD	
Robot Cleaner	-	
Pre Filter (Washable)	O	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
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)	O	
Wi-Fi	PWFMDD200	

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

CEILING SUSPENDED

ARNU36GV2A4 / ARNU48GV2A4

Model		Unit	ARNU36GV2A4	ARNU48GV2A4
Cooling Capacity		kW	10.6	14.1
Heating Capacity		kW	11.9	15.9
Power Input (H / M / L)	Nominal	W	84 / 77 / 66	91 / 79 / 66
Exterior Color			Morning Fog	Morning Fog
RAL Code			RAL 9001	RAL 9001
Dimensions (W x H x D)	Body	mm	1,600 x 235 x 690	1,600 x 235 x 690
	Shipping	mm	1,715 x 320 x 772	1,715 x 320 x 772
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	125 x 1	125 x 1
	Air Flow Rate (H / M / L)	m³/min	27.0 / 24.0 / 20.0	29.0 / 24.0 / 20.0
	Motor Type		BLDC	BLDC
Air Filter			Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø16 (5/8)	Ø16 (5/8)
Weight	Body	kg	37.0	37.0
Sound Pressure Levels (H / M / L)		dB(A)	48 / 46 / 44	49 / 47 / 44
Sound Power Levels (H / M / L)		dB(A)	68 / 66 / 64	68 / 67 / 66
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU36GV2A4	ARNU48GV2A4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	-	
Independent Power Module	PRIPD	
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), 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

CONSOLE

Features & Benefits

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

Key Applications

- Residential building
- Hotel
- Historical building

Floor standing		Console
Smart	Wi-Fi	O
Energy Efficiency	Jet Cool	-
Health	Ionizer	O
Fast Cooling & Heating	Jet Cool	O
Comfort	Sleep Mode	O
	Timer (On / Off)	O
	Timer (Weekly)	O
	Two Thermistor Control	O
	Group Control	O

※ O : Applied, - : Not applied

SMART

Wi-Fi Control

Access your air conditioner anytime and from anywhere.

LG ThinQ

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

LG ThinQ

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

COMFORT

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)

COMFORT

Cold Draft Protection

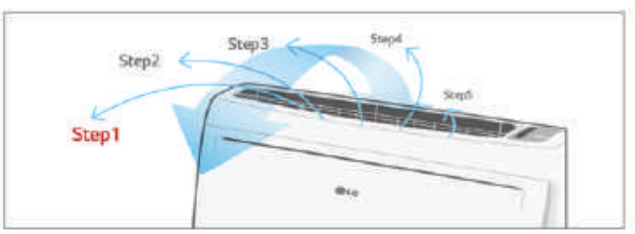
The console protects cold draft from windows to provide comfortable environment.

Without Console

Without Console

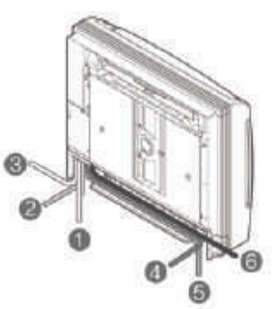
5-Step Vane Control

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)



CONSOLE

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)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø12 (15/32)	Ø12 (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, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU07GQAA4	ARNU09GQAA4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	PRGK024A0	
Independent Power Module	PRIP0	
Robot Cleaner	-	
Pre Filter (Washable)	O	
Ion Generator	O	
CO_2 Sensor	-	
Ventilation Kit	-	
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)	O	
Wi-Fi	PWFMDD200	

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

CONSOLE

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)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø12 (15/32)	Ø12 (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, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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

Accessories

Chassis	ARNU12GQAA4	ARNU15GQAA4
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	-	
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	

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

COMPATIBILITY

Product \ Controller			Premium	Standard III		Standard II		Simple		Simple for Hotel		Wireless	Dry Contact			
			PREMTA000 PREMTA000A PREMTA000B	PREMTBB10	PREMTB100	PREMTBB01	PREMTB001	PQRCVCL0Q	PQRCVCL0QW	PQRCHCA0Q	PQRCH-CA0QW	NEW PWLSSB21H (H/P)	Simple Dry Contact PDRYCB000	2 points Dry Contact PDRYCB400	Dry Contact for Thermostat PDRYCB300 NEW PDRYCB320	For Modbus PDRYCB500
MULTI V - Ceiling Mounted Cassette	4 Way	ARNU-A4 ARNU-B4	○	○		○		○		○		○	○	○	○	○
MULTI V - Ceiling Mounted Cassette	2 Way / 1 Way	ARNU-B4 ARNU-C4	○	○		○		○		○		○	○	○	○	○
MULTI V - Ceiling Mounted Cassette	Round CST	ARNU-A4	○	○		○		○		○		○	○	○	○	○
MULTI V - Ceiling Concealed Duct	High Sensible	ARNU-A4	○	○		○		○		○		△	○	○	○	○
MULTI V - Ceiling Concealed Duct	High / Mid Statics	ARNU-A4	○	○		○		○		○		△	○	○	○	○
MULTI V - Ceiling Concealed Duct	Low Statics	ARNU-G4	○	○		○		○		○		△	○	○	○	○
MULTI V - FAU (Fresh Air Intake)		ARNU-Z4	○	○		○		○		○		△	○	○	○	○
MULTI V - Convertible & Ceiling Suspended		ARNU-A4	○	○		○		○		○		○	○	○	○	○
MULTI V - Console		ARNU-A4	○	○		○		○		○		○	○	○	○	○
MULTI V - Wall Mounted		ARNU-A4 ARNU-C4 ARNU-N4	○	○		○		○		○		○	○	○	○	○
MULTI V - HYDRO KIT [1]		ARNH-A4	-	-		-		-		-		-	○	-	○	-
MULTI V - Ventilation	Energy Recovery Ventilator		○	○		○		-		-		-	○	-	-	○
MULTI V - Ventilation	Energy Recovery Ventilator with DX coil		○	○		○		-		-		-	○	-	-	○
MULTI V - AHU Communication Kit			○	○		○		-		-		△	-	-	-	-

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

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	PREMTB100 PREMTB810	PREMTB001 PREMTB801	PQRCVCL0Q PQRCVCL0QW	PQRCHCA0Q PQRCHCA0QW	NEW PWLSS821H (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 120 x 16	64 x 120 x 15	64 x 120 x 15	51 x 153 x 26	-
	Black Light Control for Screen Saver	○	○	-	-	-	-	-

※ ○ : Applied, - : Not Applied
1) It might not be indicated or operated at the partial product.
2) Centralized control (PACEZA000 / PAC55A000 / PACP5A000 / PLNWKB000) and PDI (PQNUD1540 / 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://partneredge.com: Home> DocLibrary> Manual)

HOT WATER SOLUTION

HYDRO KIT

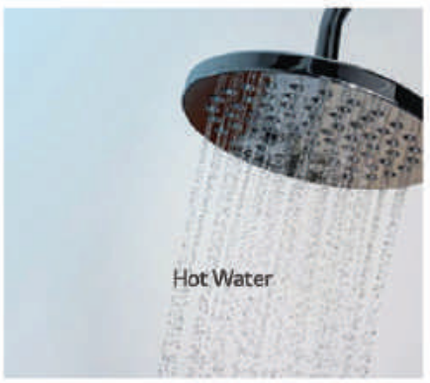
HYDRO KIT

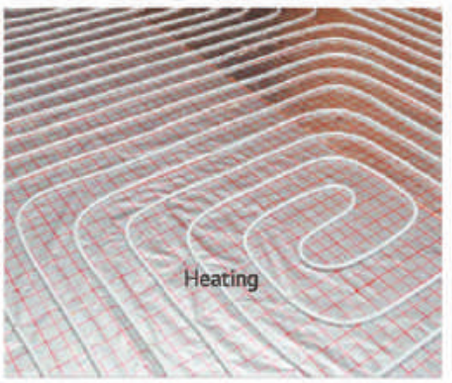
Features & Benefits

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

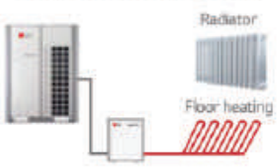
Key Applications

- Where Hot Water is needed such as domestic Hot Water, In-floor or radiant heat. Where cold water is needed such as Fan coil unit and chilled beam.





Radiant Heating / Cooling



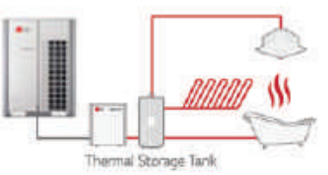
Fan Coil Unit Heating / Cooling

Hot Water / Cold Water

Combination

Hot water+ Radiant heating

HR unit (Cooling & Hot water)

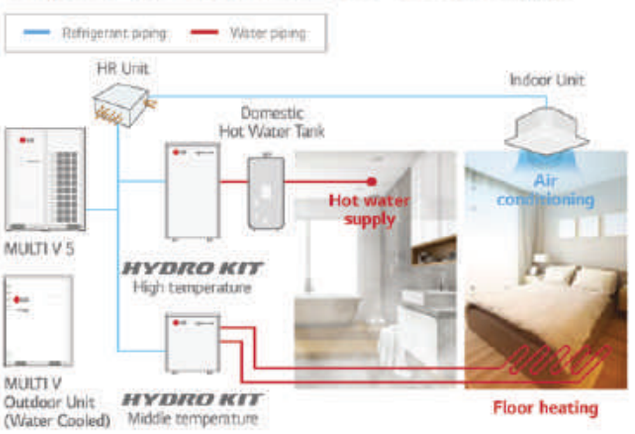


Thermal Storage System

CONVENIENCE

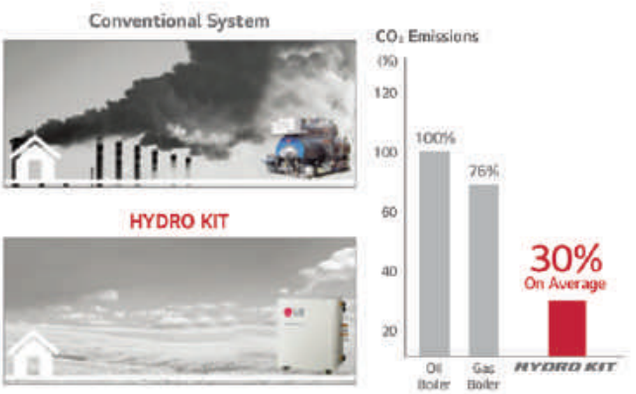
Total Solution

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-friendly Solution

Green energy solution through the reduction of CO_2 emissions.



EFFICIENCY

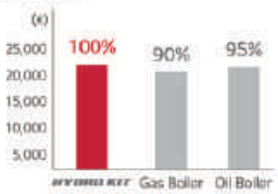
Cost Savings with High Efficiency

Equivalent installation cost of traditional boiler with reduced operational costs.

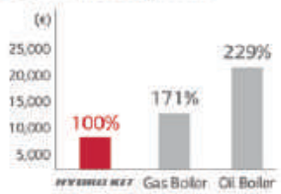
1st Proposal MULTI V 5 HYDRO KIT
(Air Conditioning + Hot Water Supply + Floor Heating)
2nd Proposal MULTI V 5 Air-Conditioning + Gas Boiler
(Hot Water Supply + Floor Heating)
3rd Proposal MULTI V 5 Air-Conditioning + Oil Boiler
(Hot Water Supply + Floor Heating)

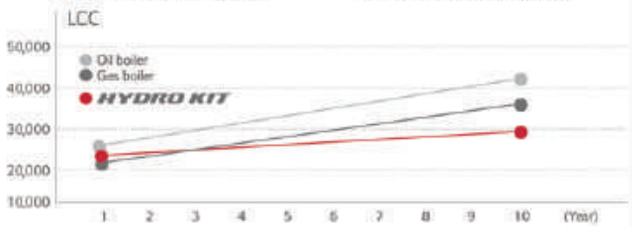
Analysis Conditions
- Building Type : Dormitory, Flats
- Cooling / Floor Heating / Sanitary Hot Water for 10 years
- Cooling : MULTI V IV Indoor Unit
- Floor Heating : Medium Temp. HYDRO KIT (1ea)
- Sanitary Hot Water : High Temp. HYDRO KIT (2ea), Sanitary Hot Water Tanks
- Electricity Cost : Average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

Initial Costs



Annual Operating Costs



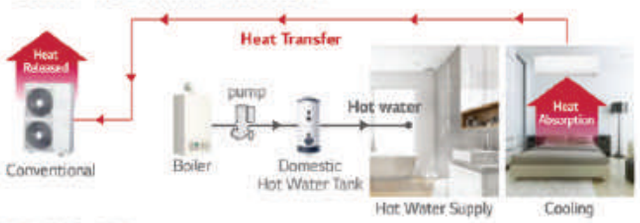


Energy Savings through Heat Recovery

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

Conventional

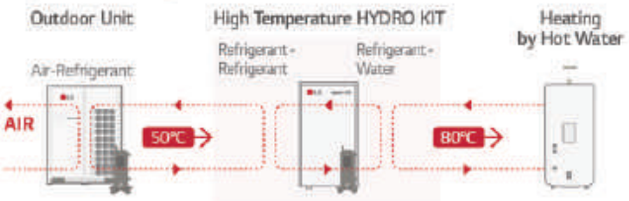
Absorbed heat is released to outdoor air



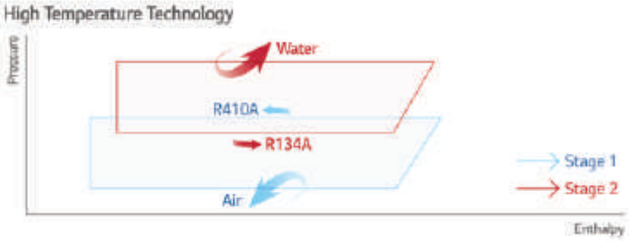
HYDRO KIT

Absorbed heat from indoor space is used for making hot water

High Temperature HYDRO KIT Cycle Diagram

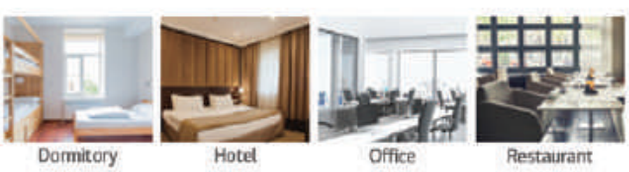


High Temperature Technology



Various Applications

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



Hotel Application

Constant simultaneous cooling and heating operating during summer to provide hot water by using wasted heat energy from indoor cooling process.

Office Application

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

HYDRO KIT

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)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø22.2 (7/8)
	Drain Pipe (Internal Dia.)	A (inch)	25A (Male PT 1)	25A (Male PT 1)
Water Pipe Connections	Inlet	A (inch)	25A (Male PT 1)	25A (Male PT 1)
	Outlet	A (inch)	25A (Male PT 1)	25A (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	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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 + 7.5m
3. Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
4. MULTI V S 4HP (ARUN040GSS0, ARUN040LSS0) cannot be connected to HYDRO KIT.
5. MULTI V Water S cannot be connected to HYDRO KIT.
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	-	
Independent Power Module	O	
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), PDRYCB300 (8 points for thermostat compatible) PDRYCB320 (Universal input)	
External Input (1 point)	O	
Wi-Fi	PWFMDD200	

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

HYDRO KIT

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 1,080 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)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø19.05 (3/4)
	Drain Pipe (Internal Dia.)	A (inch)	25A (Male PT 1)	25A (Male PT 1)
Water Pipe Connections	Inlet	A (inch)	25A (Male PT 1)	25A (Male PT 1)
	Outlet	A (inch)	25A (Male PT 1)	25A (Male PT 1)
Weight	Body	kg	87.0	91.0
Sound Pressure Levels (H / M / L)		dB(A)	43	46
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

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 = 7.5m
3. Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
4. MULTI V S 4HP (ARUN040GSS0, ARUN040LSS0) cannot be connected to HYDRO KIT.
5. MULTI V Water S cannot be connected to HYDRO KIT.

Accessories

Chassis	ARNH04GK3A4	ARNH08GK3A4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	-	
Independent 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), PDRYCB300 (8 points for thermostat compatible) PDRYCB320 (Universal input)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200	

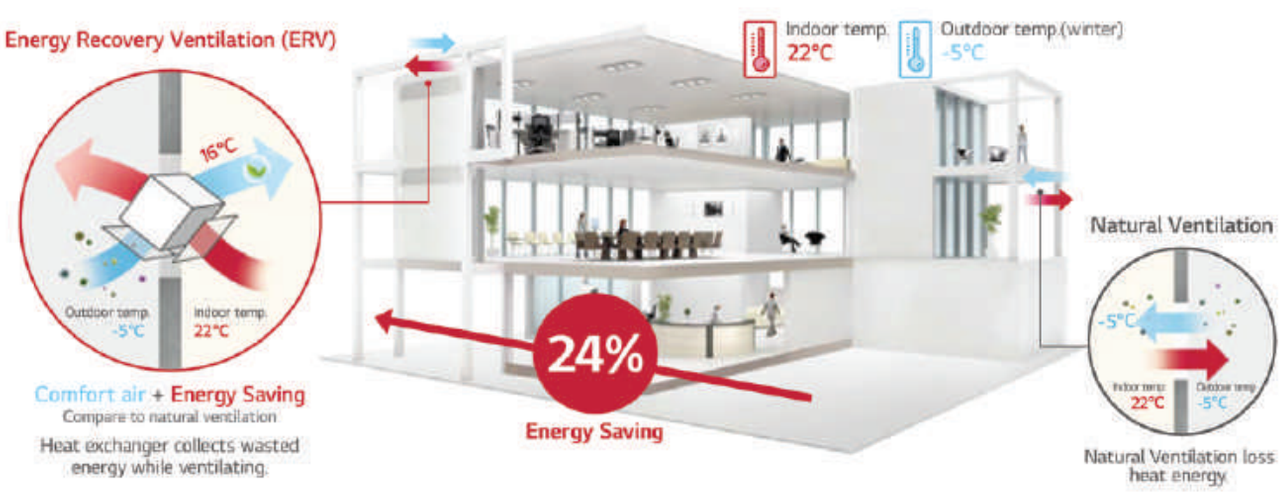
※ ○ : Applied, - : Not applied
Option : Refer to model name in table

VENTILATION SOLUTIONS

ERV

ENERGY RECOVERY VENTILATION (ERV)

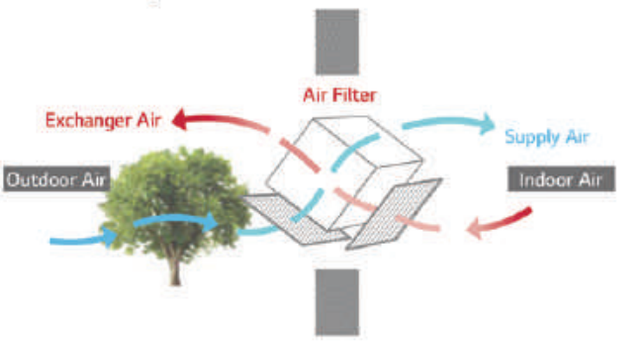
NECESSITY OF ERV



HIGH EFFICIENCY

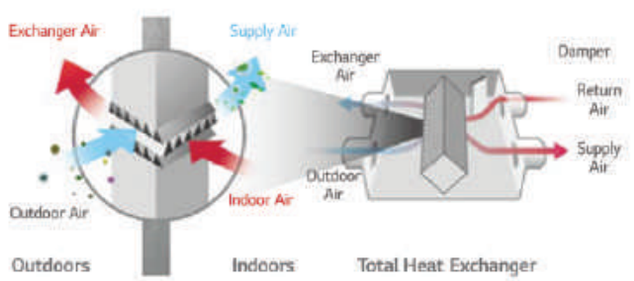
High Efficiency Heat Exchanger

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



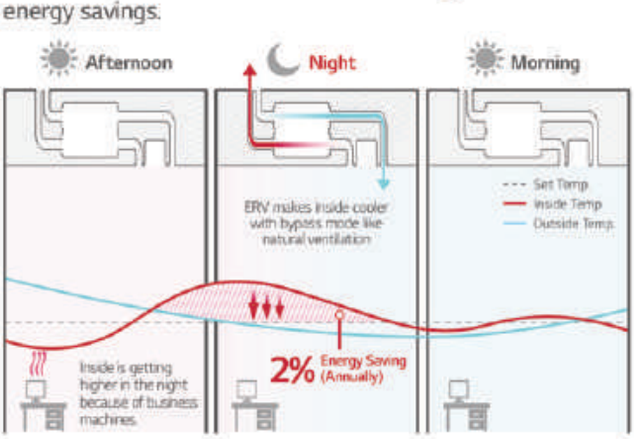
Compulsory Exhaust System

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



Night Time Free Cooling

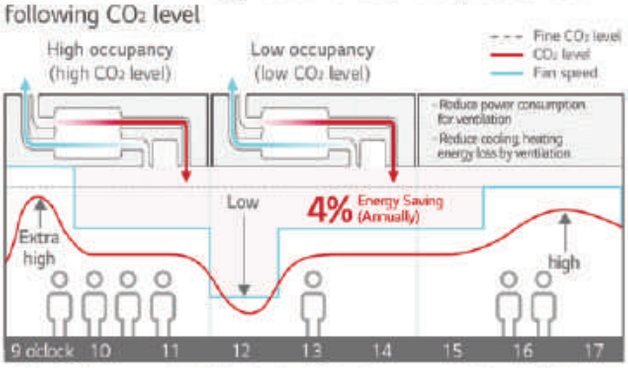
During summer nights, indoor heat can be discharged outdoors and cool outdoor air can be brought indoors for energy savings.



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

CO_2 Auto Operation

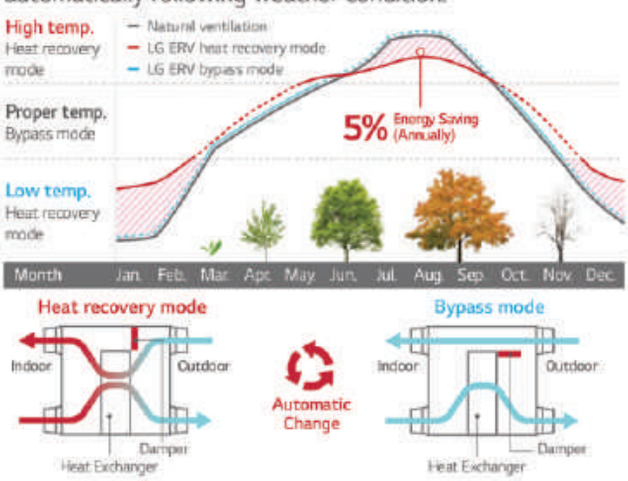
LG ERV reduces energy loss with auto fan speed control following CO_2 level



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

Seasonal Auto Operation

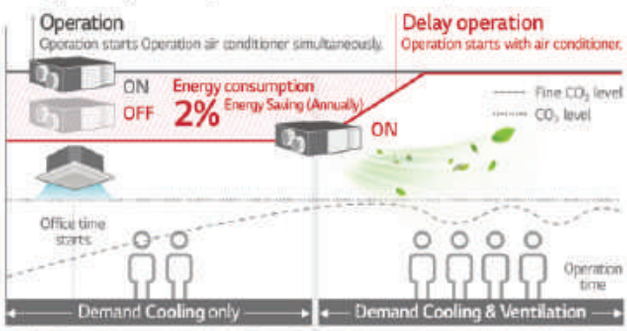
LG ERV senses outdoor temperature and operates automatically following weather condition.



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

Delay Operation

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



※ 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 (49,000ft²) / Occupancy : 30 / Area : London, UK
- ERV (1,000 CMH) + MULTI V IV (12HP) Unit Combination
- Other conditions are subject to BREEAM

COMFORT & RELIABILITY

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.

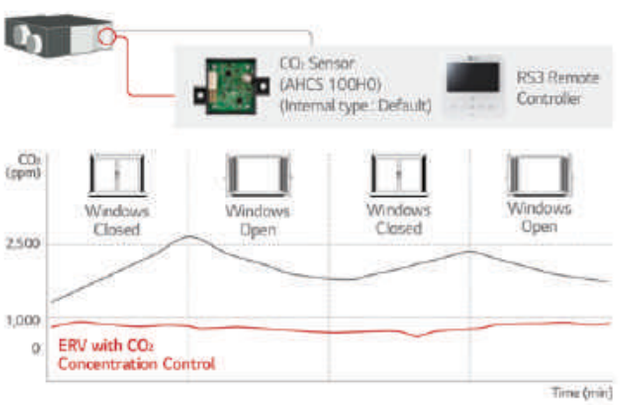
※ The remote controller screen image may change
※ Applicable to only Standard II, Premium remote controller

Further information

CO_2 level and room condition are displayed continuously.

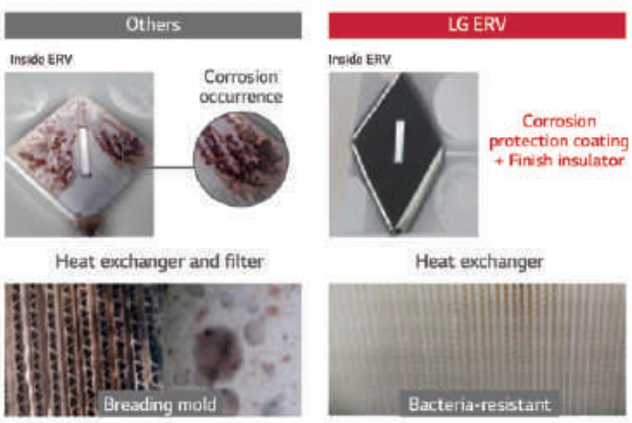
CO_2 Concentration Control

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



High Durability

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



CONVENIENCE

Easy Control

Wired remote controller is easy for usage.

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

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

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

Group Control

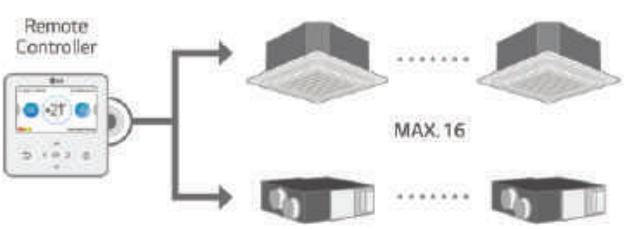
1 wired remote controller up to 16 ERV (Including air conditioner). It is convenient for large common space such as lobby.

Several units combination

16 units group control is available with 1 remote controller.

Interlocking with Air Conditioning System

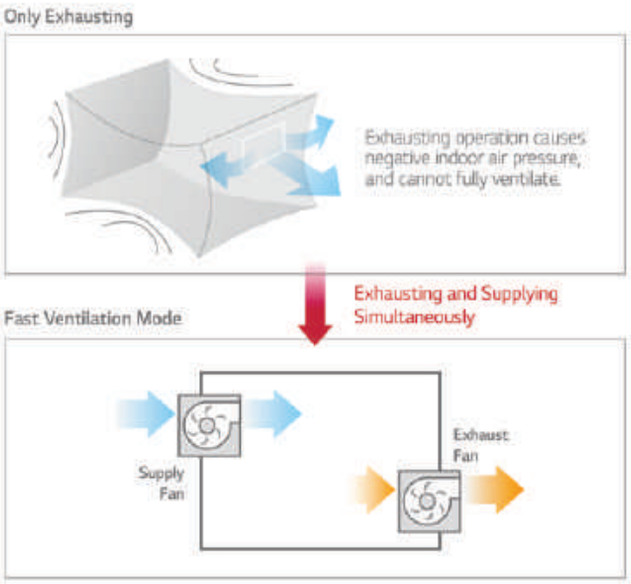
- LG ERV can be interlocked with air conditioners and controlled individually.
- This function can be operated when the system is connected with 1 remote controller.



CONVENIENCE

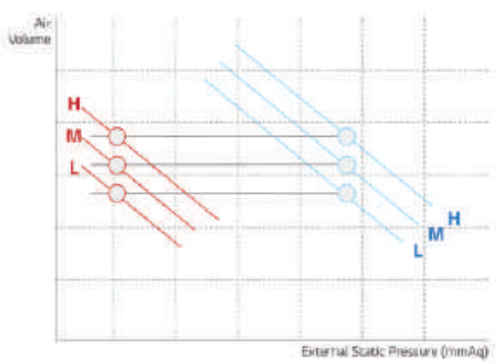
Fast Ventilation Mode

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



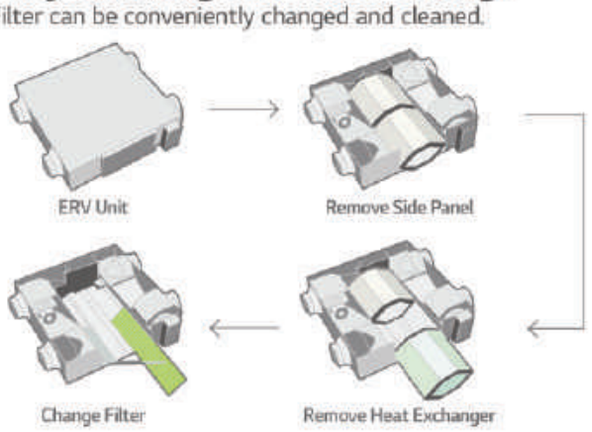
External Static Pressure Control

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.



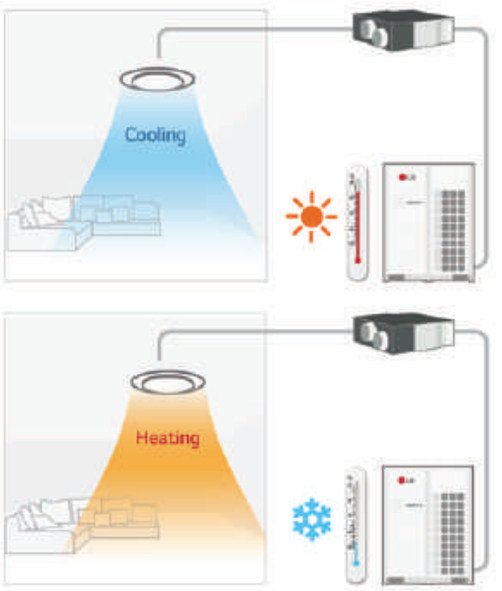
Easy Cleaning and Filter Change

Filter can be conveniently changed and cleaned.



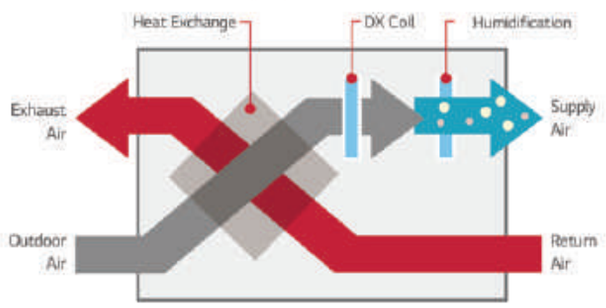
Providing Cool & Warm Fresh Air

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



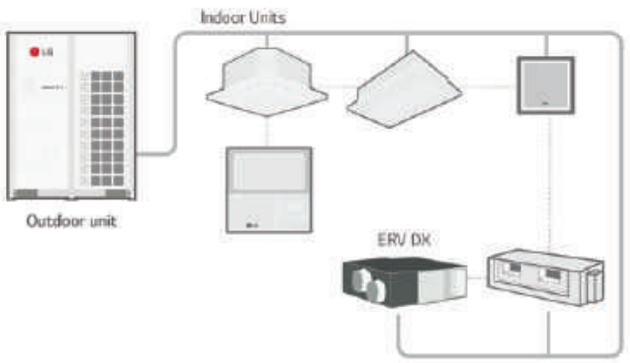
Total Air Conditioning Solution

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



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.



ERV

LZ-H025GBA4 / LZ-H035GBA4
LZ-H050GBA4

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

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

ERV

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

Model				LZ-H080GBA4	LZ-H100GBA4	LZ-H150GBA4	LZ-H200GBA4
Nominal Capacity			CMH (CFM)	800 (471)	1,000 (589)	1,500 (883)	2,000 (1,177)
Power Supply			Ø, V, Hz	1, 220-240, 50 / 60			
ERV Mode	Step		-	SUPER-HIGH / HIGH / LOW			
	Current	SH / H / L	Amps	2.77 / 2.16 / 1.44	3.41 / 2.90 / 1.76	5.60 / 5.40 / 2.90	6.80 / 5.90 / 3.60
	Power Input	SH / H / L	W	390 / 280 / 187	480 / 385 / 210	780 / 540 / 377	960 / 770 / 420
	Air Flow	SH / H / L	CMH (CFM)	800 / 800 / 660 (471 / 471 / 388)	1,000 / 1,000 / 800 (589 / 589 / 471)	1,500 / 1,500 / 1,200 (883 / 883 / 706)	2,000 / 2,000 / 1,600 (1,177 / 1,177 / 942)
	External Static Pressure	SH / H / L	Pa (inWTR)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)
	Temperature Exchange Efficiency	SH / H / L	%	79 / 79 / 82	77 / 77 / 78	79 / 79 / 82	77 / 77 / 78
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	72 / 72 / 74	70 / 70 / 72	72 / 72 / 74	70 / 70 / 72
		Cooling (SH / H / L)	%	63 / 63 / 66	59 / 59 / 63	63 / 63 / 66	59 / 59 / 63
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	40 / 37 / 31	41 / 38 / 32	43 / 40 / 34	44 / 41 / 35
Bypass Mode	Step		-	SUPER-HIGH / HIGH / LOW			
	Current	SH / H / L	Amps	2.77 / 2.16 / 1.44	3.41 / 2.90 / 1.76	5.60 / 5.40 / 2.90	6.80 / 5.90 / 3.60
	Power Input	SH / H / L	W	390 / 280 / 187	480 / 385 / 210	780 / 540 / 377	960 / 770 / 420
	Air Flow	SH / H / L	CMH (CFM)	800 / 800 / 660 (471 / 471 / 388)	1,000 / 1,000 / 800 (589 / 589 / 471)	1,500 / 1,500 / 1,200 (883 / 883 / 706)	2,000 / 2,000 / 1,600 (1,177 / 1,177 / 942)
	External Static Pressure	SH / H / L	Pa (inWTR)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	41 / 38 / 32	41 / 39 / 33	44 / 41 / 35	44 / 42 / 36
Heat Exchanger		Type	-	Air to air cross flow heat exchange			
Net Weight			kg	62		140	
Dimension		W x H x D	mm	1,062 x 365 x 1,140		1,313 x 738 x 1,140	
Duct Work		Qty	EA	4		4 + 2	
		Size (Ø)	mm	Ø250		Ø250 + Ø350	
Supply Air Fan		Qty	EA	1		2	
		Type	-	Direct-Drive (Sirocco Fan)			
Exhaust Air Fan		Qty	EA	1		2	
		Type	-	Direct-Drive (Sirocco Fan)			
Filters (Default)		Qty	EA	2		4	
		Type	-	Cleanable fibrous fleeces			
		Size (W x H x D)	mm	1,056 x 6 x 212.5			
Filters (Optional)		Model	-	AHFT100HD			
		Qty	EA	2		4	
		Type	-	F7			
		Size (W x H x D)	mm	520 x 192 x 25			
Dry Contact				PDRYCB000			

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

ERV WITH DX COIL

LZ-H050GXH4 / LZ-H080GXH4
LZ-H100GXH4

Model			LZ-H050GXH4	LZ-H080GXH4	LZ-H100GXH4
Fresh Air Conditioning Load	Cooling	kW	4.93	7.46	9.12
	Heating	kW	6.73	9.80	11.72
Temperature Exchange Efficiency	SH / H / L	%	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78
Enthalpy Exchange Efficiency	Cooling (SH / H / L)	%	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50
	Heating (SH / H / L)	%	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66
Operation Range	Outdoor air Temperature	℃	-15 ~ 45	-15 ~ 45	-15 ~ 45
Air Flow Rate	Heat Exchange Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
	Bypass Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
Fan	External Static Pressure (SH / H / L)	Pa	160 / 120 / 100	140 / 90 / 70	110 / 70 / 60
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
	Bypass Mode (SH / H / L)	dB(A)	39 / 37 / 34	40 / 38 / 35	40 / 38 / 35
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
	Bypass Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27
Nominal Running Current (RLA)	Heat Exchange Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
	Bypass Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
Heat exchange system				Air to air cross flow total heat (Sensible + Latent heat) exchange	
Heat exchange element				Specially processed non-flammable paper	
Air Filter				Multidirectional fibrous fleeces	
Dimensions	W x H x D	mm		1,667 x 365 x 1,140	
Net Weight		kg		105	
Piping Connection	Liquid	mm		Ø6.35	
	Gas	mm		Ø12.7	
	Water	mm		Ø6.35	
	Drain Pipe (Internal Dia.)	mm (inch)		Ø25 (1)	
Connection Duct Diameter		mm		Ø250	

Note : 1. Cooling Capacity Test condition - Indoor temperature : 27℃ DB, 19℃ WB / Outdoor temperature : 35℃ DB
2. Heating Capacity Test condition - Indoor temperature : 20℃ DB / Outdoor temperature : 7℃ DB, 6℃ WB
3. Humidifying capacity is based on the following conditions - Indoor temperature : 20℃ DB, 15℃ WB / Outdoor temperature : 7℃ DB, 6℃ 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
Drain Pump		-	
Cassette Cover		-	
Refrigerant Leakage Detector		PRLDNVS0	
EEV Kit		-	
Independent 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)		O	
Wi-Fi		-	

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

ERV WITH DX COIL

LZ-H050GXN4 / LZ-H080GXN4
LZ-H100GXN4

Model			LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Fresh Air Conditioning Load	Cooling	kW	4.93	7.46	9.12
	Heating	kW	6.73	9.80	11.72
Temperature Exchange Efficiency	SH / H / L	%	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78
Enthalpy Exchange Efficiency	Cooling (SH / H / L)	%	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50
	Heating (SH / H / L)	%	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66
Operation Range	Outdoor air Temperature	℃	-15 ~ 45	-15 ~ 45	-15 ~ 45
Air Flow Rate	Heat Exchange Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
	Bypass Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
Fan	External Static Pressure (SH / H / L)	Pa	180 / 150 / 110	170 / 120 / 80	150 / 100 / 70
Humidifier	System			-	
	Amount	kg/h		-	
	Pressure Feed Water	Mpa		-	
Sound Pressure	Heat Exchange Mode (SH / H / L)	dB(A)	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
	Bypass Mode (SH / H / L)	dB(A)	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
Refrigerant				R410A	
Power Supply		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
	Bypass Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27
Nominal Running Current (RLA)	Heat Exchange Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
	Bypass Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
Heat exchange system				Air to air cross flow total heat (Sensible + Latent heat) exchange	
Heat exchange element				Specially processed non-flammable paper	
Air Filter				Multidirectional fibrous fleeces	
Dimensions	W x H x D	mm		1,667 x 365 x 1,140	
Net Weight		kg		98	
Piping Connection	Liquid	mm		Ø6.35	
	Gas	mm		Ø12.7	
	Water	mm		-	
	Drain Pipe (Internal Dia.)	mm (inch)		Ø25 (1)	
Connection Duct Diameter		mm		Ø250	

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-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Drain Pump		-	
Cassette Cover		-	
Refrigerant Leakage Detector		PRLDNVS0	
EEV Kit		-	
Independent 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

CONTROL SOLUTIONS

INDIVIDUAL CONTROL

CENTRALIZED CONTROL

INTEGRATION DEVICE

LG CONTROL SOLUTIONS

MULTI V 5 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.

HOTEL

Hotel Room Solution

reddot award
User Interface Design

Integration Solution

OFFICE

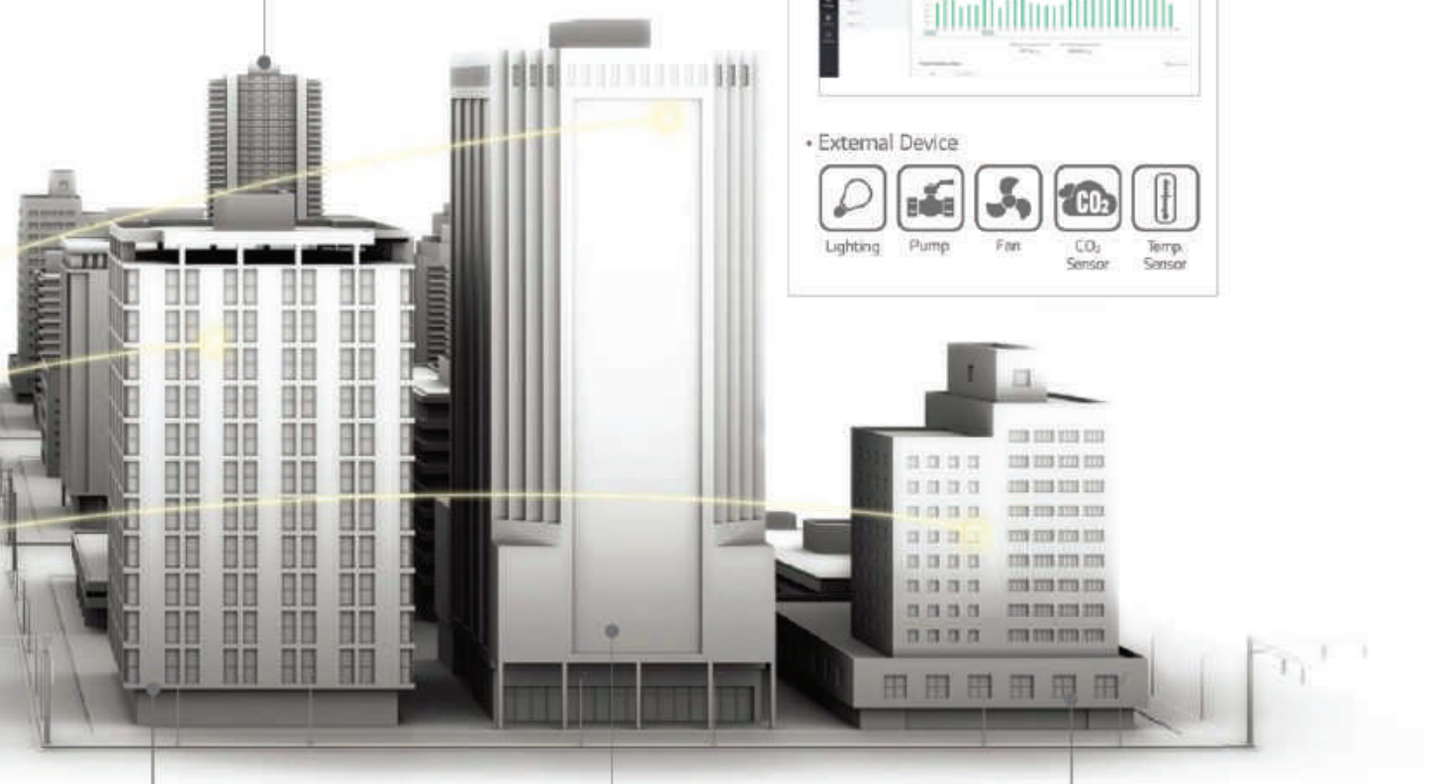
Central Control Solution

3rd Party BMS

Cloud System

• Energy Management

• External Device



APARTMENT

Power Distribution Solution

RESIDENTIAL

Smart Individual Control Solution

SMALL BUILDING

Small Central Control Solution

INDIVIDUAL CONTROL

FEATURE FUNCTIONS

Controller Name		Wired Remote Controller					Wireless Remote Controller	Wi-Fi Controller
		Premium	Standard III	Standard II	Simple	Simple(Hotel)		
Model Name								
		PREMTA000 PREMTA000A PREMTA000B	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01	PQRCVCL0Q PQRCVCL0QW	PQRCHCA0Q PQRCHCA0QW	NEW 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	○	○	○	○	○	○	-
	Air Purification Function	-	○	-	-	-	-	-
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 120 x 16	64 x 120 x 15	64 x 120 x 15	51 x 153 x 26	-
	Black Light Control for Screen Saver	○	○	-	-	-	-	-

※ ○ : Applied, - : Not Applied
1) It might not be indicated or operated at the partial product.
2) Centralized control (PACEZA000 / PACS5A000 / PACP5A000 / PLNWKB000) and PDI (PQNUD1S40 / PPWRDB000) should be installed for this function.
3) For ceiling type duct
Note : 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)

STANDARD III WIRED REMOTE CONTROLLER

4.3 inch colored screen with modern design

PREMTB100 (White)

PREMTBB10 (Black)

Model Name	PREMTB100 / PREMTBB10
On / Off	○
Fan Speed Control	○
Temperature Setting	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan
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	○
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) 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.
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.

Features & Benefits

- The optimized controller for MULTI V 5
  - Humidity sensor embedded
  - Comfort cooling setting
  - Smart Load Control setting
  - Outdoor unit low noise setting
  - Defrost mode setting
- New modern design & easy interface
  - Seamless design / Touch button
  - 4.3 inch color LCD / Intuitive GUI
- Energy saving functions
  - Instantaneous power monitor
  - Energy consumption check (Power consumption, operation time)
  - Temp. Setback timer, time limit control
  - Target setting (ODU capacity, Instantaneous power)
- Group control
  - Up to 16 Indoor units can be controlled with one remote control
- External device On / Off (1 point)
  - Customized interlocking control with indoor unit is possible without dry contact
- 2 set points control
  - Increase convenience and comfort
  - Auto changeover, Setback (Home leave)
- Air Purification
  - Air Quality Monitoring
  - Air Purification function Control

Comfort Level

Energy Contents

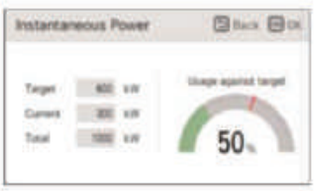
Error History

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 (PQNUD1540 / PPWRDB000) is required.



Instantaneous Power Check

Energy Usage Target Setting

Time Limit Control

- The time-limit operation controls product by amount of time. By setting the device operation time in advance, users can control for how long a device works and have it stop automatically.

2 Set Points Control

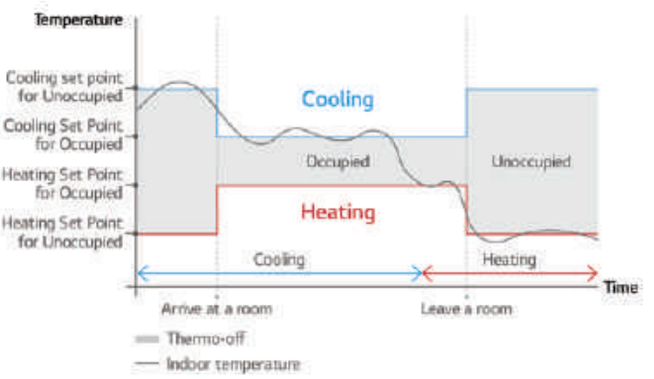
Auto Changeover for convenience

- With 2 set points control function, indoor unit manages room temperature automatically.

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.



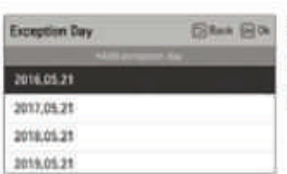
External Device On / Off

External Equipment Control
User can turn the external equipment off or on through contact point output.

Customized Interlocking Control
User can create a control scenario where the external heater switches on when temperature drops below or rises above a certain temperature.

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.

PREMIUM WIRED REMOTE CONTROLLER

5 inch full touch screen with a premium design.

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

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 Change	Cooling / Heating / Auto / Dehumidification / Fan
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 MULTI V Heat Recovery and Single Split Heat Pump. But in case of MULTI V Heat Pump, it may not work properly.

Features & Benefits

- Full Touch screen
- The optimized controller for MULTI V 5
  - Comfort cooling setting
  - Smart Load Control setting
  - Outdoor unit low noise setting
  - Defrost mode setting
- Design with user's convenience
  - Intuitive GUI
  - Main display simple mode
  - 5 inch color LCD
- Energy saving functions
  - Instantaneous power monitor
  - Energy consumption check (Power consumption, operation time)
  - Temp. Setback timer, Time limit control
  - Target setting (ODU capacity, Instantaneous power…etc)
- Group control
  - Up to 16 Indoor units can be controlled with one remote control
- 2 set points control
  - Increase convenience and comfort
  - Auto changeover, Setback (Home leave)

Full Touch Screen

Easy Energy Management

- Check the operation hour or electricity usage
- Comparison of usage compared to last year
- Set the target usage and time

Easy Scheduling

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

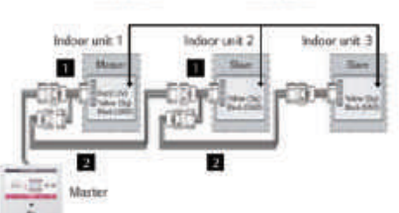
2 Set points Control

- Auto changeover switching the operation mode automatically
- Setback (Home Leave) 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

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

PREMTB001 (White)

PREMTBB01 (Black)

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 Change	Cooling / Heating / Auto / Dehumidification / Fan
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 120 x 16
Blacklight	○
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

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

PQRCVCL0QW (White) / PQRCVCL0Q (Black)

PQRCHCA0QW (White) / PQRCHCA0Q (Black)

Features & Benefits

- Small remote control with minimal functionality

Model Name	PQRCVCL0QW / PQRCVCL0Q	PQRCHCA0QW / PQRCHCA0Q
On / Off	○	○
Fan Speed Control	○	○
Temperature Setting	○	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan	-
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
Blacklight	○	○

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

WIRELESS REMOTE CONTROLLER

NEW

PWLSSB21H (H/P)

Features & Benefits

- Easy to use while moving
- Main functions are available

Model Name	PWLSSB21H (H/P)
On / Off	○
Fan Speed Control	○ 1)
Temperature Setting	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan
Additional Mode Setting	Plasma 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)	51.4 x 153 x 26

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

LG Wi-Fi MODEM

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

PWFMDD200

Model Name	PWFMDD200
Size (W x H x D, mm)	48 x 68 x 14
Interfaceable Products	MULTI V Indoor unit [3]
Connection Type	Indoor unit 1:1
Communication Frequency	2.4 GHz
Wireless Standards	IEEE 802.11b/g/n
Mobile Application	LG ThinQ (Android v4.1 (Jellybean) or higher, iPhone iOS 9.0 or higher)
Optional Extension Cable	PWYREW000 (10m 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.

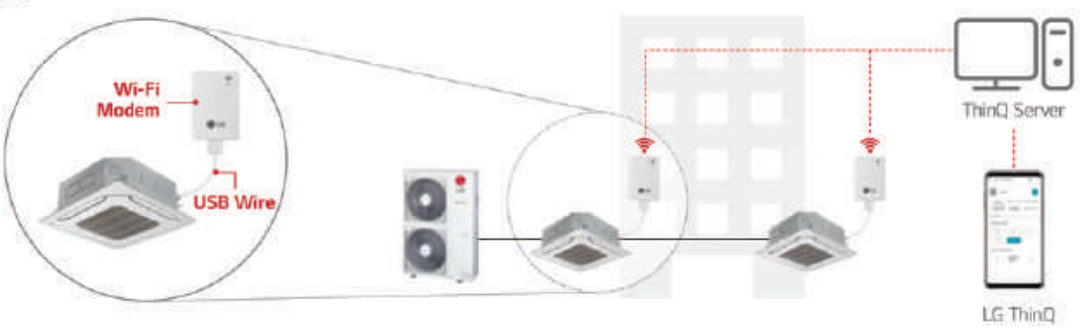
Features & Benefits

- 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 (LG 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

Download on the App Store

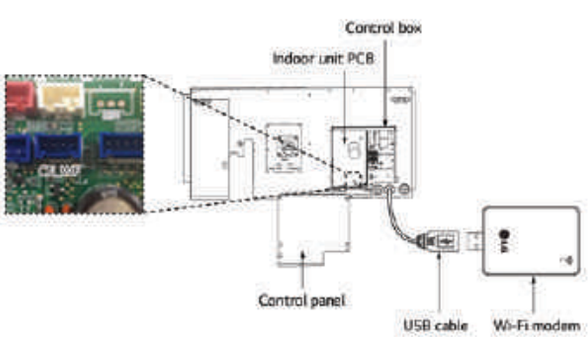
GET IT ON Google Play

Overview



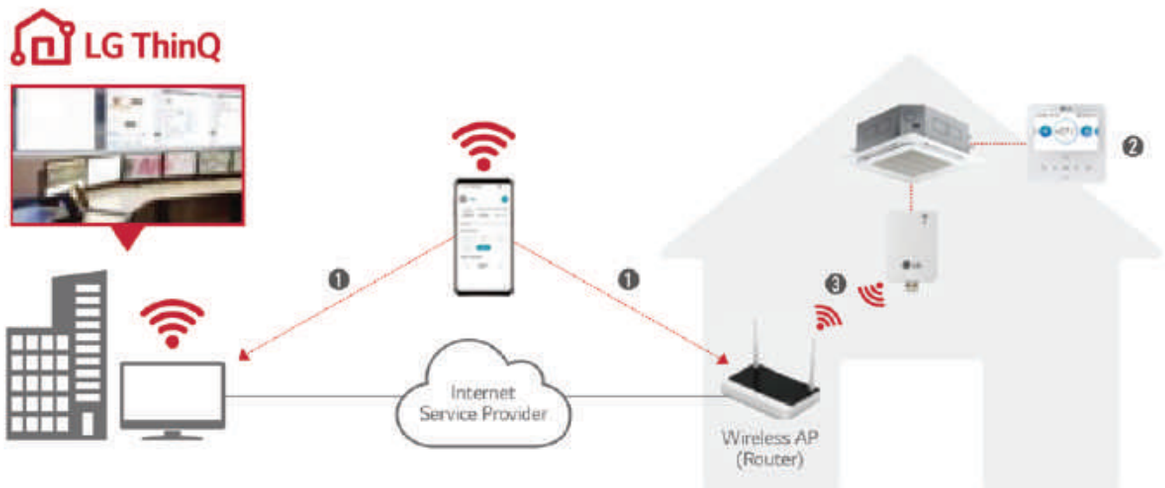
※ Search "LG ThinQ" on Google market or Appstore then download the app.
※ Internet service with Wi-Fi connection has to be available.

Installation Scene



※ Each indoor unit has a Wi-Fi modem installation location inside the product, and it can be installed by exposure if necessary.

LG ThinQ Connectivity



Connection (Pairing) Order

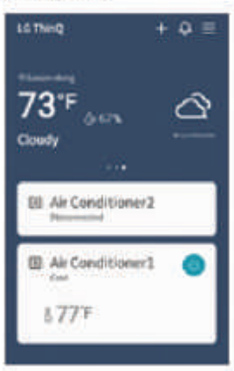
❶ Make LG account on LG ThinQ and select the Router that will be used
❷ Insert passwords of selected router and set AP (Access Point) by LG remote controller
❸ Confirm the pairing between Wi-Fi Modem and Router

ThinQ Mobile App

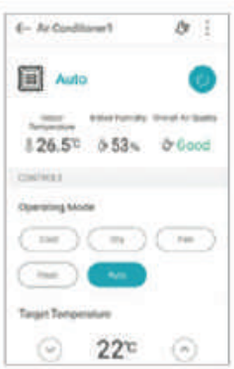
Simple operation for various functions

On/Off, Current Temp, Mode, Set Temp

Day



Night



Vane Control

Easy Management

Reservation

Energy Monitoring

Smart Diagnosis

Filter Management

CENTRALIZED CONTROL

CENTRALIZED CONTROLLER FEATURE LIST

Controller Name			AC Ez	AC Ez Touch	AC Smart 5 [5]	ACP 5 [5]	ACP Lonworks	AC Manager 5 [3]
Model Name								
			PQCSZ250S0	PACEZA000	PACSSA000	PACP5A000	PLNWKB000	PACM5A000
Product	DO		-	-	2	4	2	-
	DI		-	1	2	10	2	-
	Max. Connectable No.	IDUs	32	64	128	256	64	8,192
		ERV	32	64	128	256	64	8,192
		A/C + ERV	32	64	128	256	64	8,192
		AHU	-	-	16	16	16 [4]	16 x 32
		Chiller	-	-	5 Optional [2]	10 Optional [2]	-	10 x 32
Compatibility	Air Conditioner		○ [1]	○	○	○	○	○
	Ventilation (ERV / ERV DX)		○ [2]	○	○	○	○	○
	Heating		-	○	○	○	○	○
	AHU		-	-	○	○	○	○
	Chiller		-	-	○ [4]	○ [4]	-	○
	ACS IO		-	-	○ [4]	○ [4]	○ [4]	○
Additional Function	Add Drawing		-	-	○ [4]	○ [4]	○ [4]	○
	Group Management		-	-	○ [4]	○ [4]	○ [4]	○
	Auto Changer Over		-	○	○ [4]	○ [4]	○ [4]	○
	Set Back		-	○	○ [4]	○ [4]	○ [4]	○
	2 Set		-	○	○	○	○ [4]	○
	Change Alarm		-	Filter	Filter	Filter	Filter	Filter
	Indoor Unit Lock		-	○	○	○	○ [4]	-
	Cycle		-	-	○	○	○ [4]	○
	Air Purification Function		-	-	○	○	-	○
Schedule			○	○	○ [4]	○ [4]	○ [4]	○
Auto Control	Peak Control	Priority Control	-	○	○	○	○ [4]	○
		Outdoor Unit Capacity Control	-	-	○ [4]	○ [4]	○ [4]	○
	Time limit control		-	-	○ [4]	○ [4]	○ [4]	○
	InterLocking		-	-	○ [4]	○ [4]	○ [4]	○
Energy Navigation			-	-	○ [4]	○ [4]	-	○
Energy Report	Power		-	○	○	○	○ [4]	○
	Gas		-	-	○	○	○ [4]	○
	Run time		-	-	○ [4]	○ [4]	○ [4]	○
	Email		-	-	-	-	○ [4]	-
	PC / USB		-	-	○ [4]	PC	PC	PC
Trend Reporting			-	-	-	-	-	○
History	Report (Control / Error)		-	Error	○ [4]	○ [4]	○ [4]	○
	Send Email		-	-	○ [4]	○ [4]	○ [4]	○
	Save to PC / USB [6]		-	-	-	-	○ [4]	-
etc	Summer Time		-	○	○ [4]	○ [4]	○ [4]	○
	Outdoor Unit Oil-Return Operation		-	-	○ [4]	○ [4]	○ [4]	-
	User Authority		-	Password	○ [4]	○ [4]	○ [4]	○
	PC Access		-	○	○ [4]	○ [4]	○ [4]	○

※ ○ : Applied, - : Not Applied
1) Except for some feature (individual lock, limit, temp., etc.)
2) Except for some feature (user mode, additional function, etc.)
3) ACP 5 or AC Smart 5 is required.
4) This function is possible to use in Web Only. (BMS Point is not applied.)
5) Without additional device, ACP 5 and AC Smart 5 provide BACnet IP and Modbus TCP interface for BMS.
6) Save to PC / USB function will be available from 4Q 2020.

AC EZ TOUCH

Smart management with 5 inch touch screen for small site.

PACEZA000

Features & Benefits

- User-friendly control with iconographic interface
- Total 200 schedule events
- Energy saving mode
- Energy monitoring (with PDI)
- 2 set point function (Upper / Lower temperature setting)
- Temperature set points range limit
- Remote controller lock (All, Temp, Mode, Fan Speed)
- Operation history
- Clean or change filter alert
- Emergency stop

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	O
Slave Mode (Interlocking with higher level controller)	O
Schedule	Weekly / Monthly / Yearly / Exception day
Remote Access	By client S/W
Emergency Stop & Alarm Display	O
Power Consumption Monitoring (with PDI)	O
Auto Changeover / Setback	O
Temperature Limit	O
Operation History	Error record
ODU Low Noise 1)	O
Daylight Saving Time	O
External IO Port	DI 1
IPv6 Support	O

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

Overview

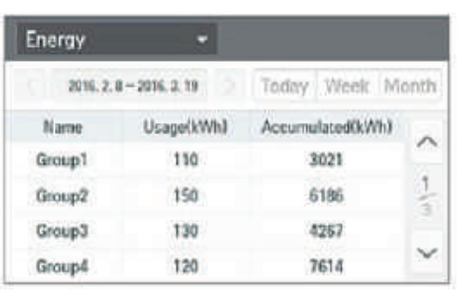
Feature

PC Access

Users can control each space efficiently through PC access.

Energy Statistics (with PDI)

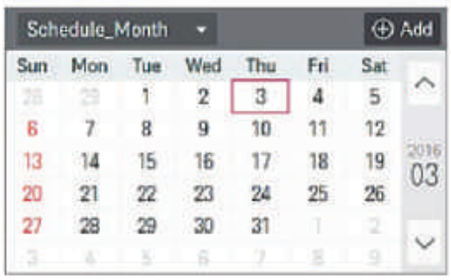
Statistics of operational status (Time, Power consumption) are provided to help make intelligent system operation decisions.



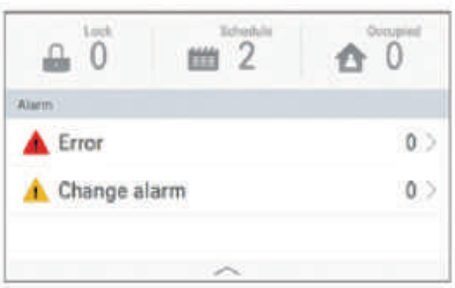
* Fix Public IP is mandatory.
* Router's Configuration of NAT is mandatory. Open port 80 & 9300.

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

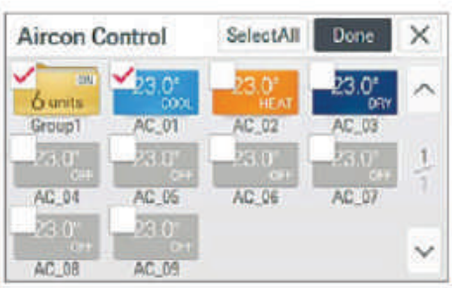
Schedule
Schedule control allows user to set the events in advance to maximize system performance. Also, by blocking unnecessary operation, it prevents a waste of energy.



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



Group / Individual Control
User can control each indoor unit individually or by group by simply clicking each unit on control screen.



AC EZ

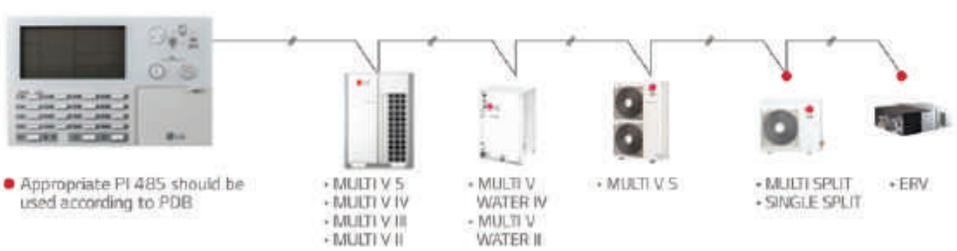
Easy to manage up to 32 indoor units, including ERV with simple interface.

PQCSZ250S0

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 12V
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

Features & Benefits
- 32 indoor units control
- Weekly Schedule
- Individual / Group Control



AC SMART 5

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

PACS5A000

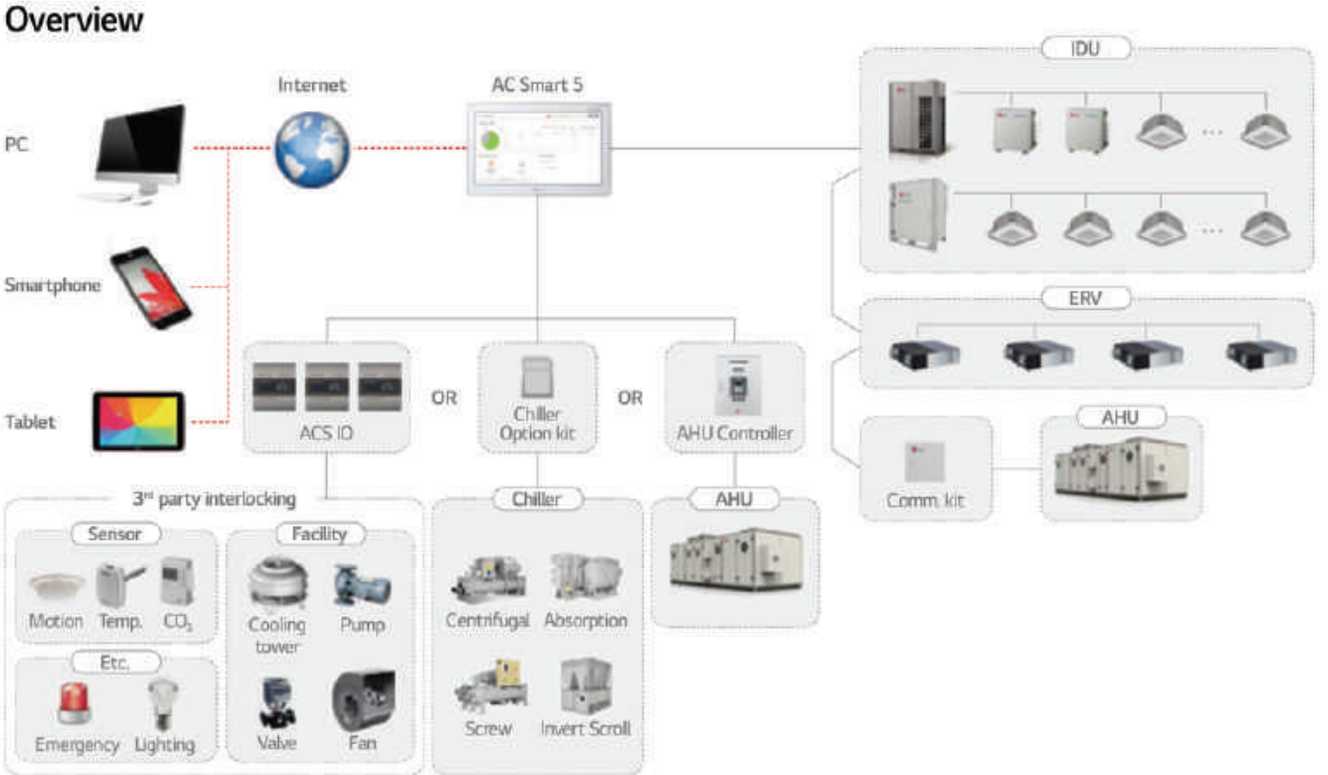
Features & Benefits

- The central controller allows control of the LG HVAC system to various platforms. (Touch screen, PC, Smartphone, Tablet)
  - DI : 2 / DO : 2
  - Max. 128 IDU control
  - BACnet IP/Modbus TCP
  - Schedule
  - Map view (Visual navigation)
  - Time limit control / Auto change over
  - Energy monitoring
  - History / Operation trend
  - Interlock with 3rd party equipment (ACS IO, ACU IO Module is needed)
  - Multi level grouping
  - Emergency stop & alarm
  - Error alarm by e-mail
  - Air quality monitoring
  - Air purification function control

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 [1]
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 [2]	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	○
Interlock Control	○
Virtual Group Control	○
ODU Capacity Control	○
Energy Navigation (with PDI)	○
Daylight Saving Time	○
External IO Port	DI 2 / DO 2
BMS Integration [3]	BACnet IP / Modbus TCP
IPv6 Support	○

※ ○ : Applied, - : Not Applied
1) Chiller Option Kit (PCHLLN000) is required
2) It is only available in some products
3) For the detail point list, please refer to the installation manual

Overview



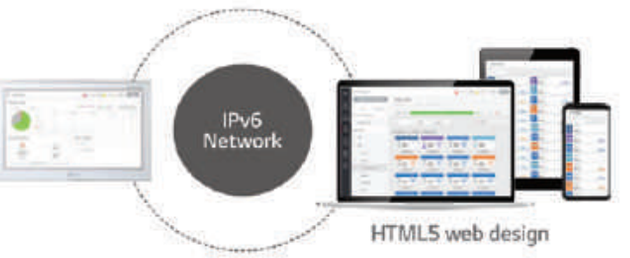
* Fix Public IP is mandatory.
* Router's Configuration of NAT is mandatory. Open port 80 & 9300.

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.

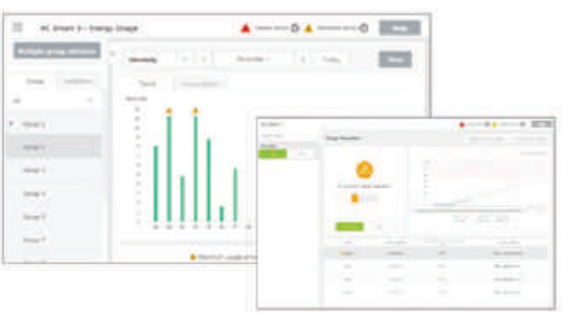
Advanced Network Accessibility

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.



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.



Visualized Control

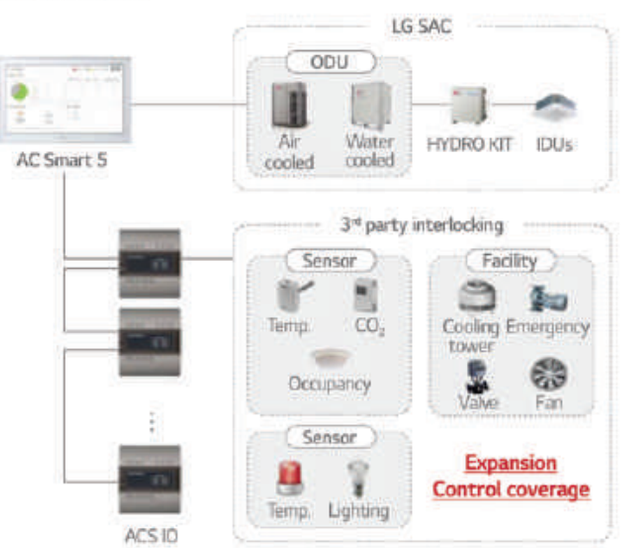
Visual navigation enables controlling and monitoring the unit on floor plan view for the intuitive management.

Multi Level Group Composition

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

Interlocking with 3rd party equipment

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



ACP 5

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.

PACP5A000

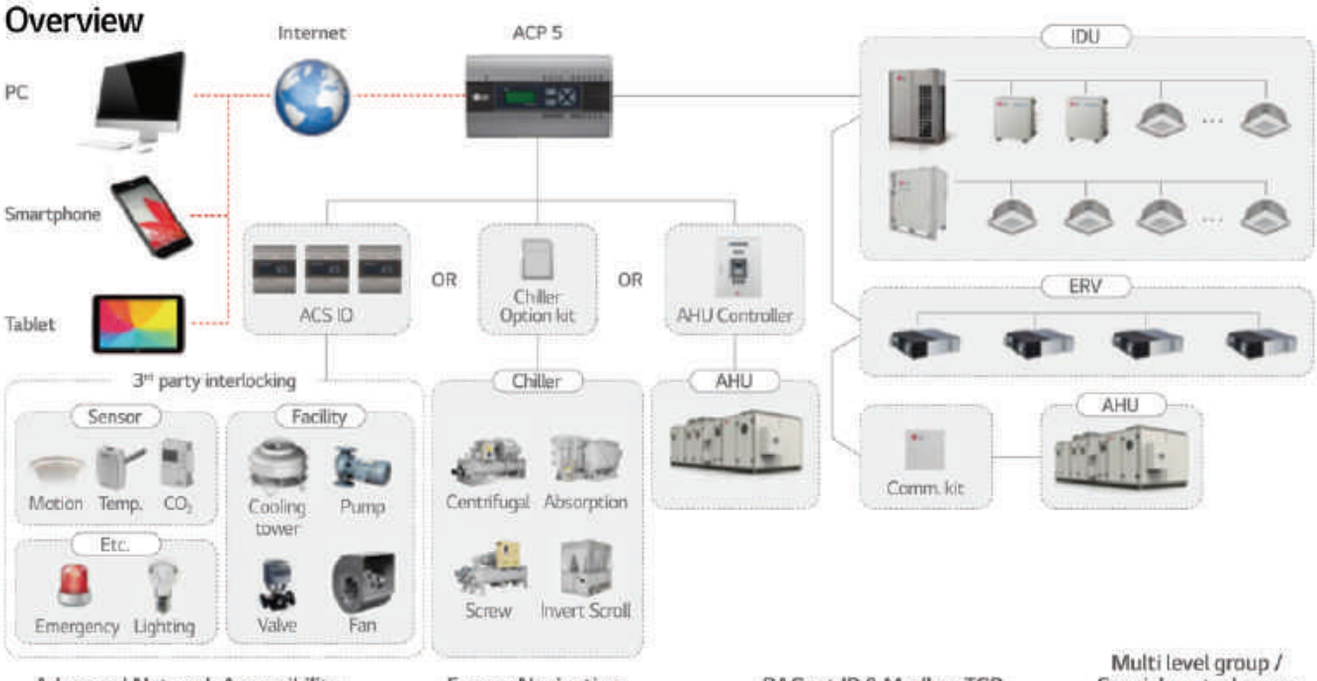
Model Name	PACP5A000
Size (W x H x D, mm)	270 x 155 x 65
Interfaceable Products	MULTI V / ERV / ERV DX / HYDRO KIT / THERMA V / AHU kit / LG Chiller [1]
Maximum number of units	256
Individual / Group Control	On & Off / Mode / Temperature / Fan speed
Individual Controller Lock	Temperature / Mode / Fan speed / All
Advanced Function Setting and Display [2]	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	O
Schedule	Weekly / Monthly / Yearly / Exception day
Web Access	O
Emergency Stop & Alarm Display	O
Power Consumption Monitoring (with PDI)	O
Auto Changeover / Setback	O
Temperature Limit	O
Operation Time Limit	O
Visual Navigation	O
Operation Trend	O
Interlock Control	O
Virtual Group Control	O
ODU Capacity Control	O
Energy Navigation (with PDI)	O
Daylight Saving Time	O
External IO Port	DI 10 / DO 4
BMS Integration [3]	BACnet IP / Modbus TCP
IPv6 Support	O

※ O : Applied, - : Not Applied
1) Chiller Option Kit (PCHILLN000) is required.
2) It is only available in some products.
3) For the detail point list, please refer to the installation manual.

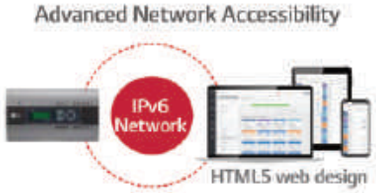
Features & Benefits

- The central controller allows control of the LG HVAC system by various platforms. (PC, Smartphone, Tablet)
  - DI :10 / DO : 4
  - Max. 256 IDU control
  - BACnet IP/Modbus TCP
  - Schedule
  - Map view (Visual navigation)
  - Time limit control / Auto change over
  - Energy monitoring
  - History / Operation trend
  - Interlock with 3rd party equipment (ACS IO, ACU IO Module is needed)
  - Multi level grouping
  - Emergency stop & alarm
  - Error alarm by e-mail
  - Air quality monitoring
  - Air purification function control

Overview



Advanced Network Accessibility



Energy Navigation

BACnet IP & Modbus TCP

Multi level group / Special control group

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

ACP LONWORKS GATEWAY

Lonworks easily link LG air conditioners and other existing building systems. By including ACP control function, the controlling continues even when error occurs with BMS.

PLNWKB000

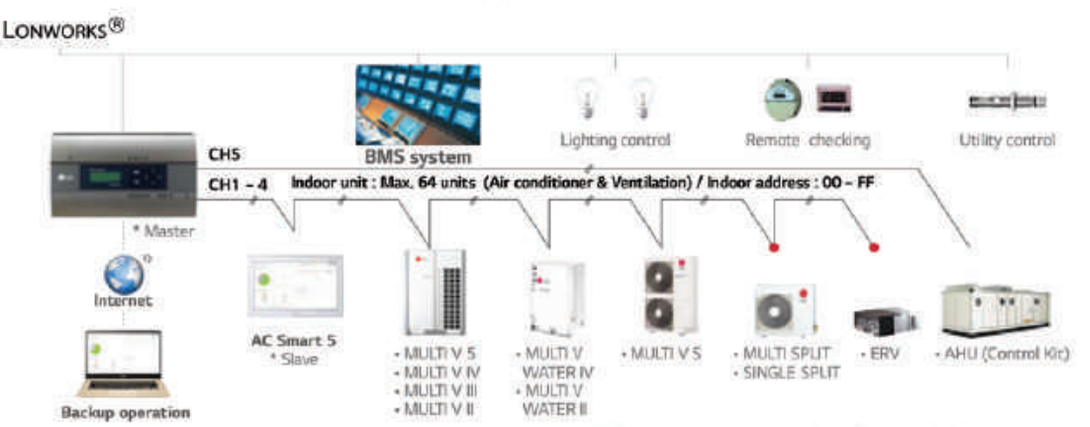
Features & Benefits

- Connect to use Lonworks protocol and LG air conditioner protocol.
- Process ability (Max. connection) : Indoor unit 64EA, AHU Control Kit : Max. 16EA
- Self installation verification using internet (Web Server Included) - Diagnosis of communication status on LG Air-conditioner network
- It offers a variety of functions as ACP which allows the customer to efficiently control various types of equipment from the customer's own Integration.

Control	Monitoring
On / Off Command	On / Off
Operation Mode Setting	Operation Mode
Lock	Lock
Temperature	Temperature
Fan Level	Fan Level
Fan Direction Auto	Fan Direction Auto
Mode Lock	Mode Lock
Fan Level Lock	Fan Level Lock
Temperature Lock	Temperature Lock
Temperature Lower Limit	Temperature Lower Limit
Temperature Higher Limit	Temperature Higher Limit
Peak Convert Cycle	Peak Convert Cycle
Peak Setting	Peak Setting
Temperature Unit	Temperature Unit
Total Temperature Lock	-
Total On / Off	-
Total Temperature	-
-	Product Type
-	Product Address
-	Current Temperature
-	Alarm
-	Power
-	Error Code
-	Peak Current Operating Percent
-	Total Accumulate Power

※ ○ : Applied, - : Not Applied

Overview



* Fix Public IP is mandatory.
* Router's Configuration of NAT is mandatory. Open port 80 & 9300.
1) Assignment of public IP address is required to access central controller through internet.

● Appropriate PI 485 should be used according to PDB (Product Data Book)

PI 485

PI 485 converts LG air conditioner's protocol to the RS485 protocol for the central controller.

- Power : Connected with the Indoor Units
- 1 for Each Indoor Unit
  - Indoor Unit (ERV)

PHNFP14A0

AC MANAGER 5

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

PACM5A000

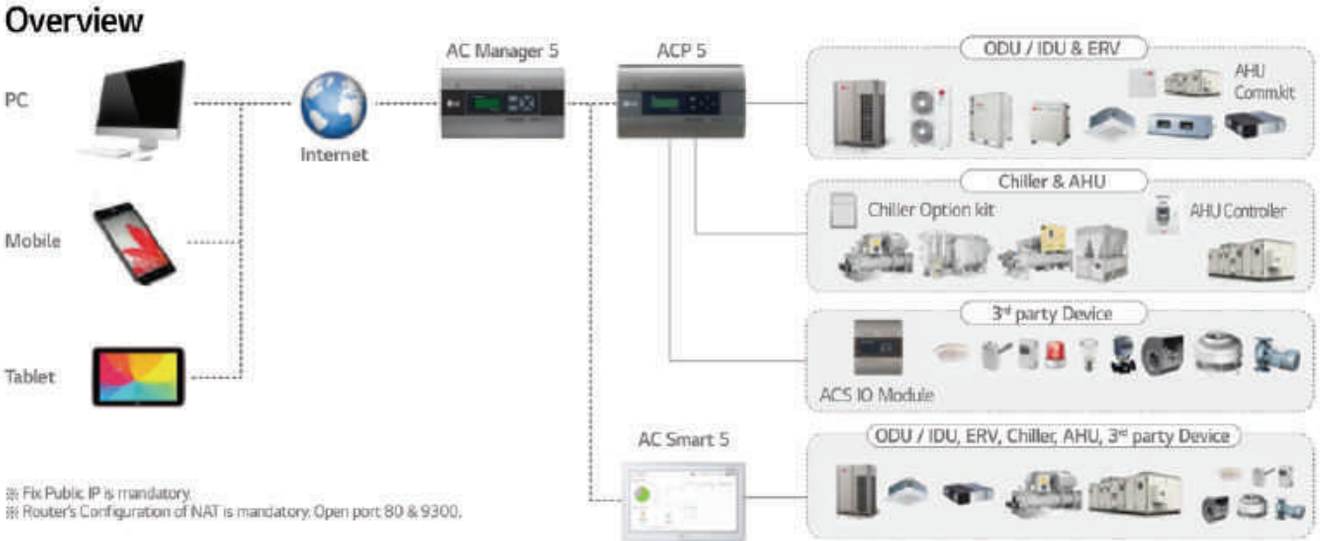
Features & Benefits

- Console Type : No needs software installation and lock-key
- Max. 8,192 IDU Control
- Schedule
- Map view (Visual Navigation)
- Time limit control / Auto change over
- Energy monitoring / Navigation
- History / Operation trend
- Emergency stop & alarm
- Error alarm by E-mail
- Multi language
  (Eng, Ita, Spa, Por, Rus, Fra, Ger, Tur, Pol, Chi, Kor)
- Air quality monitoring
- Air purification function control

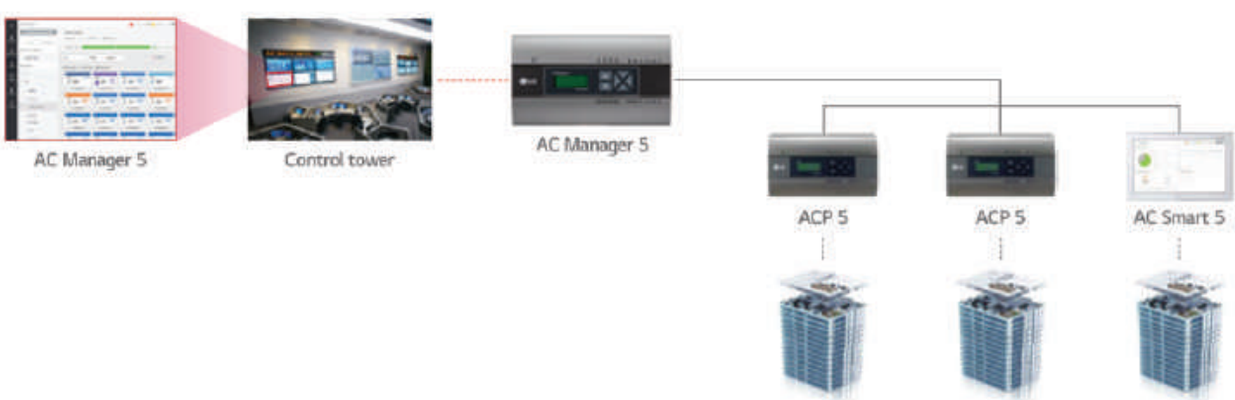
Model Name	PACM5A000
Size (W x H x D, mm)	270 x 155 x 65
Interfaceable Products	MULTI V / ERV / ERV DX / HYDRO KIT / THERMA V / AHU kit / LG Chiller [1]
Maximum number of units	8,192 (Supports 32 ACP 5 or AC Smart 5)
Individual / Group Control	On & Off / Mode / Temperature / Fan speed
Individual Controller 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	○
Interlock Control	○
Virtual Group Control	○
ODU Capacity Control	○
Energy Navigation (with PDI)	○

※ ○ : Applied, - : Not Applied
1) Chiller Option Kit (PCHLLN000) is required.
Note : AC Manager 5 requires ACP 5 or AC Smart 5.

Overview



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



Stand-alone

Integrated with S/W program and Hardware platform, it is convenient to install since users no longer need to install program with lock-key on PC.

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.

Advanced Network Accessibility & User Friendly GUI (Reddot award)

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.

Energy Navigation & Energy Usage Trend

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.

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.

Multi Level Group Composition

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

MODBUS RTU GATEWAY

Providing Modbus RTU connection between LG Air conditioners and BMS.

PMBUSB00A

Features & Benefits

• Function
- MODBUS RTU communication with MODBUS master controller
- MODBUS RTU slave (RS485) / 9,600 bps
- Applicable for MULTI V 5, MULTI V S, ERV, THERMA V
- Size (W x H x D) : 53.6 x 89.7 x 60.7
- Max. 16 IDUs with single module / Max. 64 IDUs with 4 modules
- Power : DC 12V

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	HydroKit & 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	EnergySave	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	HydroKit & 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 Hydrokit - 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 'Hydrokit' ONLY.

MODBUS RTU GATEWAY

Holding Register (0 x 03)

No.	Data Bit			Function	Register
	Air Conditioner	ERV / DX ERV	HYDROKIT & THERMA V		
1	Operate Mode	Operate Mode	Connected IDU	0 : Cooling, 1 : Dehumidifying, 2 : Fan, 3 : Auto, 4 : Heating Hydrolet (Middle Temp. DHW) / AWHP - 0 : Cooling, 3 : Auto, 4 : Heating Hydrokit (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.

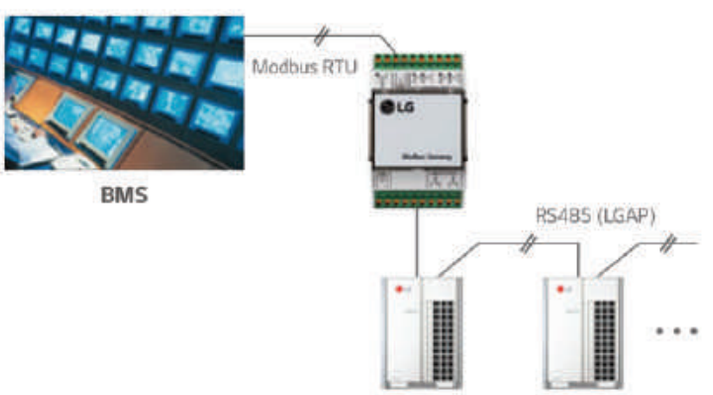
Input Register (0 x 04)

No.	Data Bit			Function	Register
	Air Conditioner	ERV / DX ERV	HYDROKIT & 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	

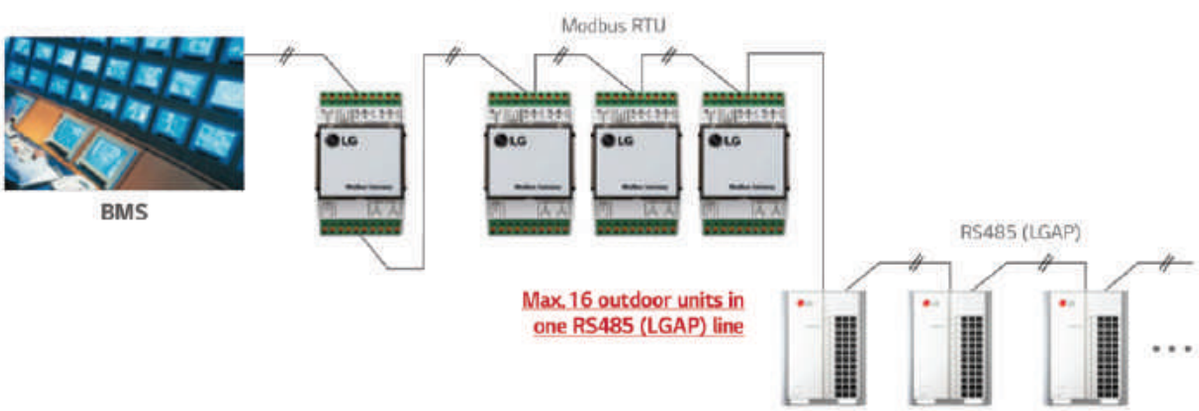
1) This register value is applied 'DX Ventilator' ONLY.
2) This register value is applied 'AWHP' ONLY.

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



INTEGRATION DEVICE

PDI (POWER DISTRIBUTION INDICATOR)

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

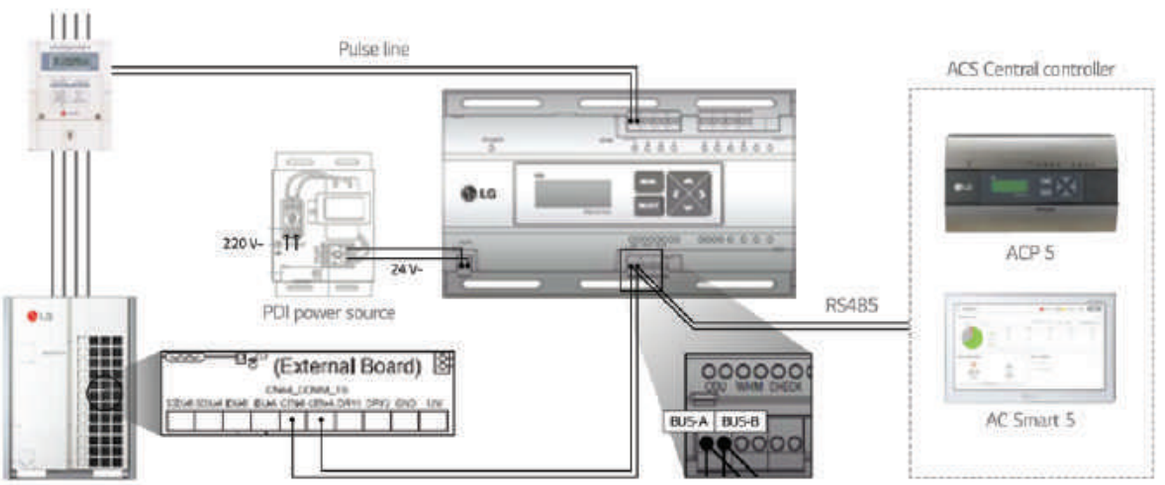
PQNUD1S40 (Premium, 8 port)
PPWRDB000 (Standard, 2 port)

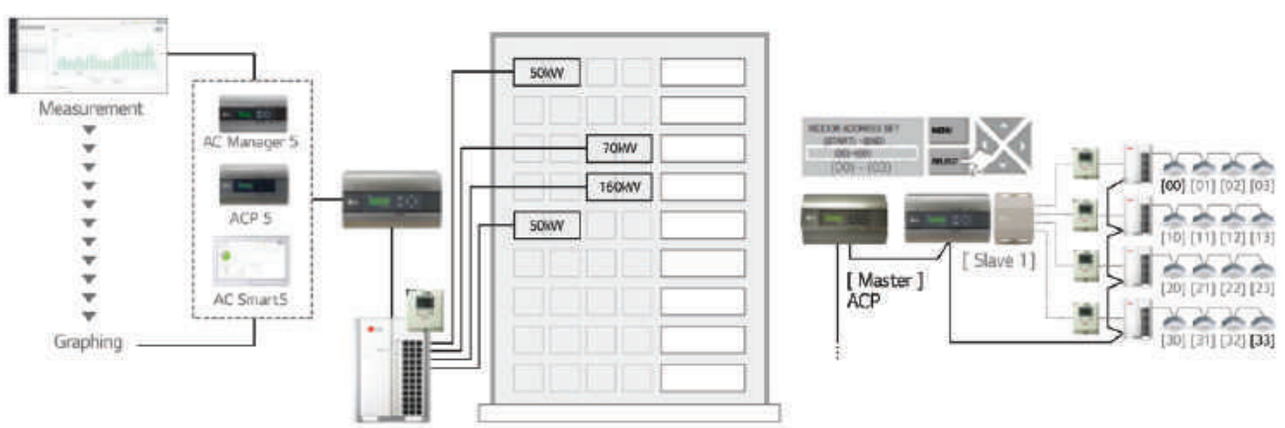
Model Name	PQNUD1S40	PPWRDB000
Size (W x H x D, mm)	270 x 155 x 65	
Interfaceable Products	Air conditioner, ERV DX	
Maximum Number of Power Meters	EHP : 8 Watt meter GHP : 4 Watt meter / 4 Gas meter	EHP : 2 Watt meter GHP : 1 Watt meter / 1 Gas meter
Maximum Number of Indoor Units	MULTI V : 128	
Data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

※ ○ : Applied, - : Not Applied

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





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, ACP Lonworks, AC Smart 5, AC Ez Touch
(Combination : we recommend to connect separated watt meter for Outdoor units to have correct power distribution value.)

ACS IO MODULE

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.

PEXPMB000

Model Name		PEXPMB000
Linkable Products		PACS4B000 PACP4B000 PACS5A000 PACP5A000
Communication	RS-485	1 ch.
I/O	Digital Input	3 port
	Digital Output	3 port
	Universal Input[1]	4 port
	Analog Output	4 port

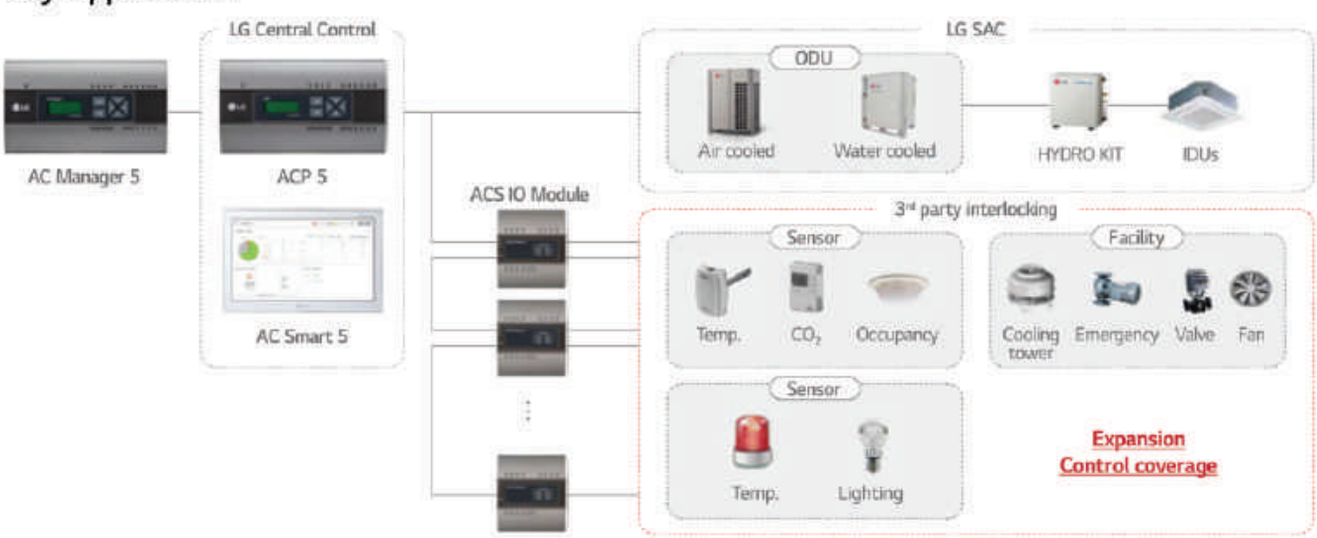
Value Spec		Min.	Max.
Analog Input	NTC 10k	0.68kΩ	177kΩ
	PT 1000	803kΩ	1,573kΩ
	Ni 1000	871.7kΩ	1,675.2kΩ
	DC (Voltage)	0V	10V
	DC (Current)	0mA	20mA
Analog Output	-	0V	10V
Digital Input	Binary Input (Non Voltage)	-	-
Digital Output	Normal open	-	30VAC / 30VDC, 2A

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

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···)

Key Application



* DI : Digital Input, DO : Digital Output, UI : Universal Input, AO : Analog Output / Please contact our regional office to have connectable relay specification for analog output.

ACU IO MODULE

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

Module Name	PEXPMB300	PEXPMB200	PEXPMB100
Linkable Products	PACS5A000, PACP5A000		
Communication RS-485	2 ch.[1]	1 ch.	1 ch.
Digital Input	-	-	3 port
Digital Output	2 port	6 port	-
Universal Input[2]	4 port	-	6 port
Analog Output	2 port	4 port	

Value Spec		Min.	Max.
Analog Input	DC (Voltage)	0V	10V
Analog Output	DC (Voltage)	0V	10V
Digital Input	Binary Input (Non Voltage)	-	-
Digital Output	Normal Open	-	30VDC, 1A

※ O : Applied, - : Not Applied
1) 1ch is reserved for internal communication
2) The type of UI (Universal Input) is selectable among Digital Input and Analog Input

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…)

CHILLER OPTION KIT

LG central controller 5 series with Chiller Option Kit can provide LG chiller remote control and cycle monitoring.

PCHLLN000

Model Name	PCHLLN000
Monitoring Points	Evaporator status / Compressor status (Scroll, Screw, Centrifugal chiller only) / Condenser status / Generator status (Abs. chiller only)
On / Off	O
Target Temp. setting	O
Mode Change	Scroll chiller only
Schedule	O
Interfaceable Products	Scroll, Screw, Centrifugal, Absorption (LG Only)

※ O : Applied, - : Not Applied

Cycle Display Example

Installation Scene

- Chiller Option Kit installation of LG HVAC Solution product should be conducted by a specialized installation service engineer.
- Chiller Option Kit installation can be achieved with a SD Card.
- The SD Card can install Chiller Option Kit in one LG HVAC Solution product.

Insert the SD Card in the LG HVAC Solution product. If a backup SD Card is inserted, replace it with a Chiller Option Kit SD Card.

DRY CONTACT

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

Model Name			PDRYCB000	PDRYCB400	PDRYCB300	PDRYCB320	PDRYCB500
						NEW 	
Case			O	O	O	O	O
Input Port			1	2	8	8	-
Universal Input port			-	-	-	1	-
Comm. Protocol			-	-	-	-	Modbus RTU
Power			AC 220V	Connect to Indoor unit PCB (CN_CC)			
Control	Aircon	On / Off	O	O	O	O	O
		Oper Mode	-	O	O	O	O
		Set Temp.	-	(Select & Fix)	(Select & Fix)	(Select & Fix)	O
		Fan Speed	-	-	O	O	O
		Thermo-Off	-	(Select & Fix)	O	O	-
		Energy Saving	-	(Select & Fix)	-	-	-
		Lock/Unlock	-	(Select & Fix)	-	-	-
	AWHP	On / Off	O	-	O	O	-
		DHW On / Off	-	-	O	O	-
		Thermo-Off	-	-	O	O	-
		Oper Mode	-	-	O	O	-
		Silent Mode	-	-	O	O	-
		Emergency Mode	-	-	O	O	-
	Vent	On / Off	O	-	-	-	O
		Oper Mode	-	-	-	-	O
		Aircon Mode	-	-	-	-	O
		Additional Mode	-	-	-	-	O
		Fan Speed	-	-	-	-	O
Output		Operation Status	O	O	O	O	O
		Error	O	O	O	O	O
		Room Temp.	-	-	-	-	O

※ O : Applied, - : Not Applied

Note : 1. Compatibility of PDRYCB300 / PDRYCB320
- Can use with all types of aircon indoor units after 2010. (Cassette, Ducted, Convertible, Applied PAC, Wall mounted, Console)
- Can not use with Single package models.
- AWHP : 3 series split and monobloc models.

2. Compatibility of PDRYCB400
- Can use with all types of aircon indoor units after 2010. (Cassette, Ducted, Convertible, Applied PAC, Wall mounted, Console)
- Can not use with single package models.
- Can not use with AWHP, Hydrokit models.

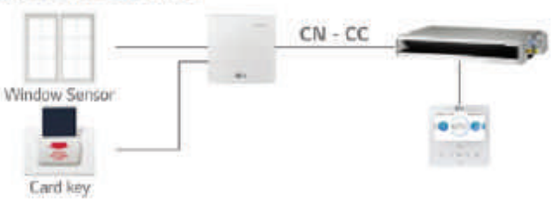
3. (Select & Fix) : This function is preset by rotary switch.

PDRYCB000

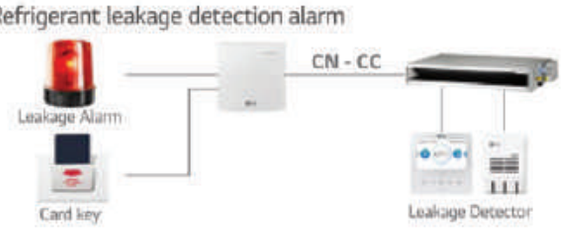
System Structure

PDRYCB400

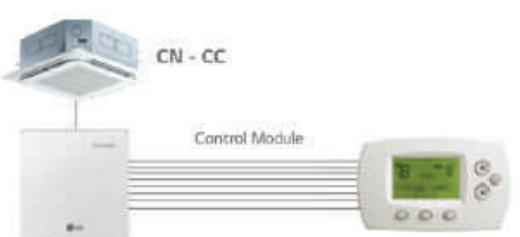
2 inputs interworking



Refrigerant leakage detection alarm

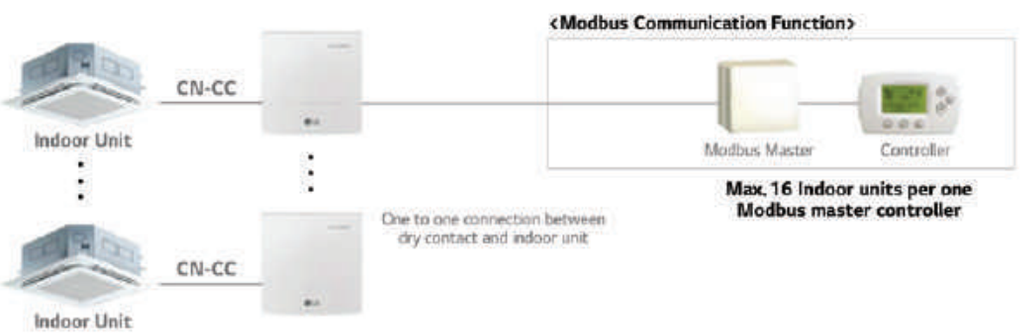


PDRYCB300 / PDRYCB320



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

PDRYCB500



※ Please contact our regional office to check the compatibility with 3rd party room controller

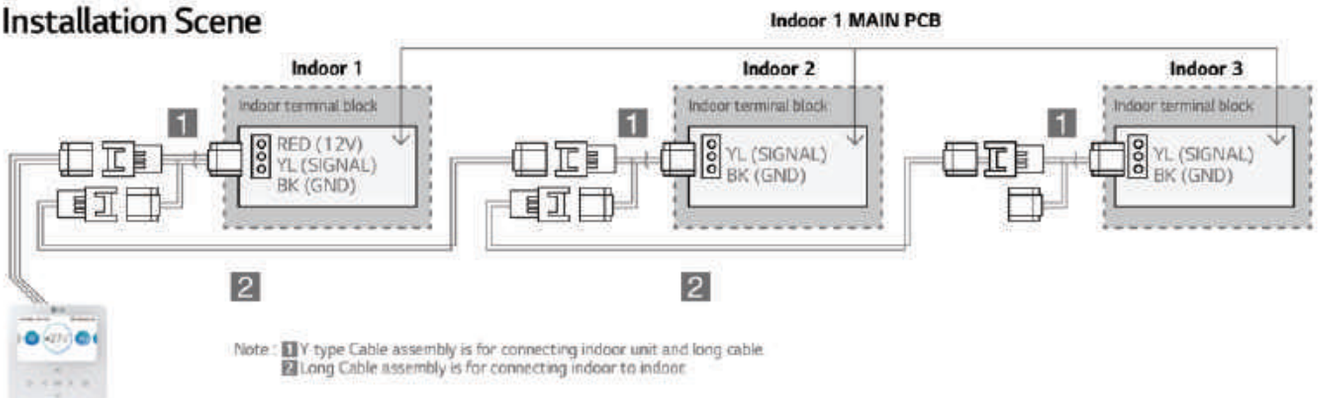
GROUP CONTROL WIRE

Cables used to connect a wired remote controller up to 16 indoor units.

PZCWRCG3

Model Name	PZCWRCG3
Y-type Cable	0.25m Length
Long Cable	9.6m Length

Installation Scene



REMOTE TEMPERATURE SENSOR

Sensor for detecting the room temperature.

PQRSTA0

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 (15m) 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.

LOW PROFILE REMOTE TEMPERATURE BUTTON SENSOR

Allows for easy and discreet installation as well as connection to an indoor unit.

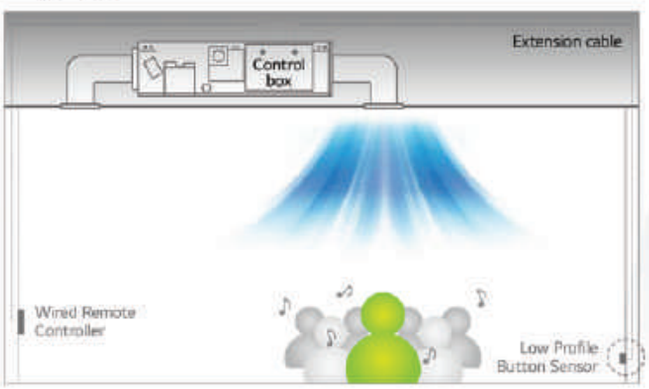
ZRTBS01

Model Name		ZRTBS01
Operation Range		-40 °C to 85 °C (0 to 100%RH, Non-condensing)
Sensing Element		Thermistor
Sensing Element Accuracy		0.2 °C (0 to 70 °C)
Wire Leads	Material	Etched Teflon
	Length	15m
	Thickness	0.33mm²
Mounting		10mm hole, push in plastic sheath with peel off tape strip
Enclosure Material Ratings		Plastic, NEMA 1, UL94

Features & Benefits

- Ideal for locations where aesthetics are as important as the temperature measurement.
- Inconspicuous wall sensor that mounts easily by pushing through a 10mm hole and secured with a peel off tape strip.
- Small flush sensor mounting.
- Accurate direct air measurement.
- Paintable with latex or oil base.

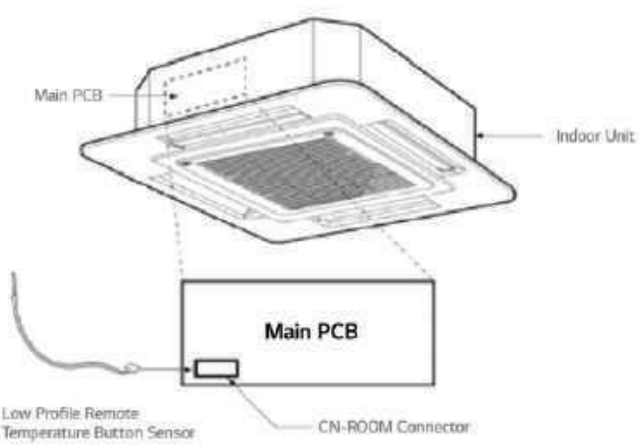
Key Application



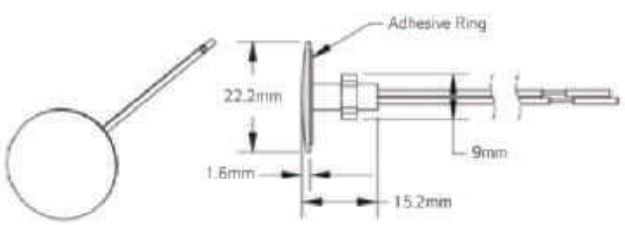
Models Applied

- LG indoor units excluding Wall-Mounted Type

Installation Scene

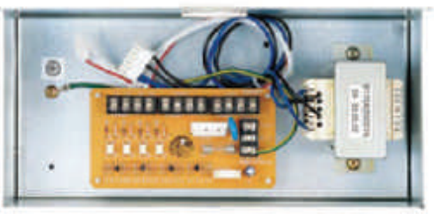


Drawing

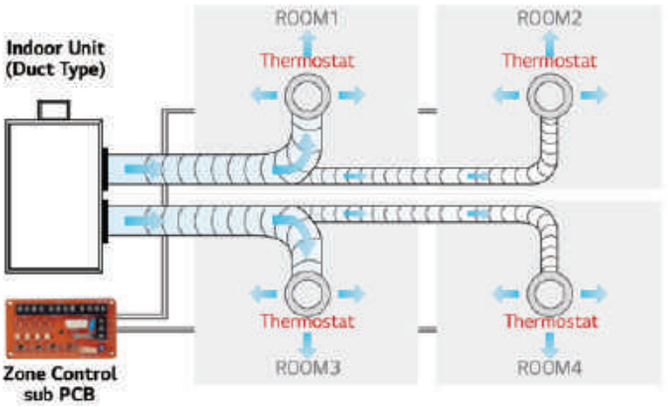


ZONE CONTROLLER

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



ABZCA



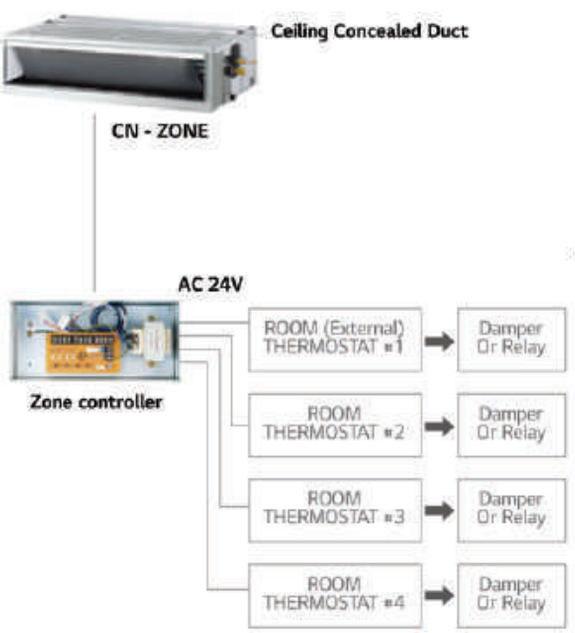
Features & Benefits

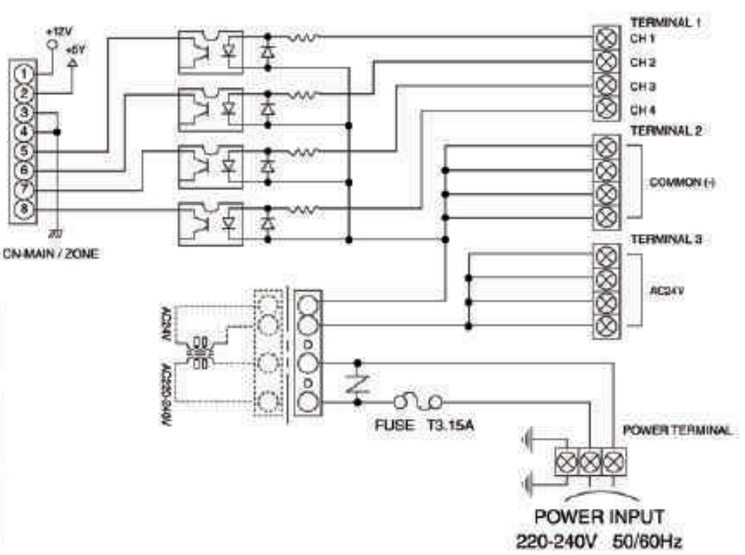
- Controls different zones (up to 4 zones) by external thermostat (AC 24V)
- Maintain proper air volume of each zone
- Auto variation of dampers
- Auto control of fan speed and On / Off operation

Models Applied

- Ceiling Concealed Duct (Refer to Product Data Book for applicable models)

Wiring Diagram





IO MODULE

Interface module between system air conditioner's outdoor unit and external device.

PVDSMN000

Features

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 5 and external IO (Input / Output Module) devices.

Note : IO Module is not compatible for MULTI V III

Models Applied

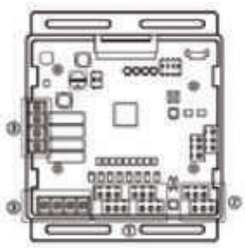
- MULTI V 5
- MULTI V 5
- MULTI V WATER IV

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 ~ 10V)
   - Demand control by analog input (10 Step)

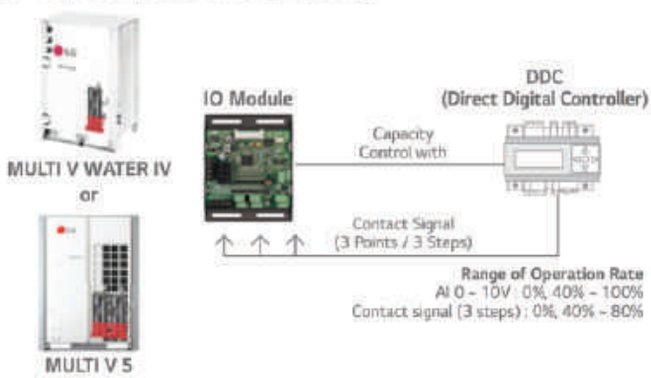
3) Digital Output Part (DO : AC 250V, Max. 1A)
   - Error status relay output
   - Operation status relay output
   - Valve control



Key Application

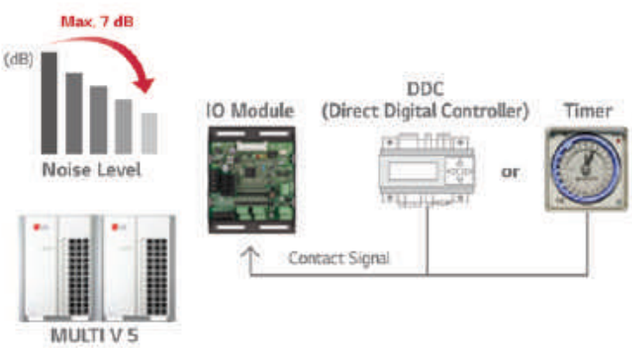
Demand Control

Provides variable setting for demand control according to input method to reduce power consumption. This function supports 2 types of input signal : AI (0 ~ 10V, 10 Step) and contact signal (3 Step).



Low Noise Operation

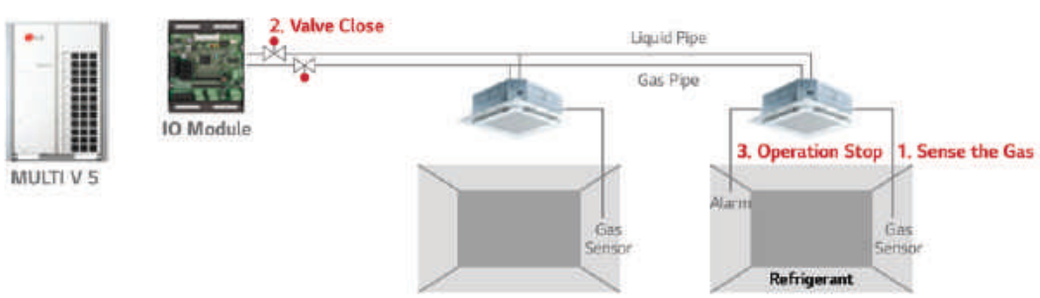
To reduce noise level, control outdoor unit's fan speed by dry contact input.



※ 8 HP (22.4kW) 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 close refrigerant valve when Pump-down operation.



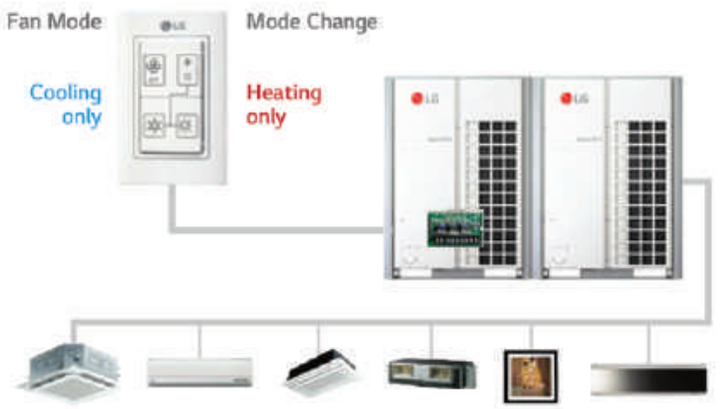
COOL / HEAT SELECTOR

Cooling only, heating only, and fan mode can be selected.

PRDSBM

Features

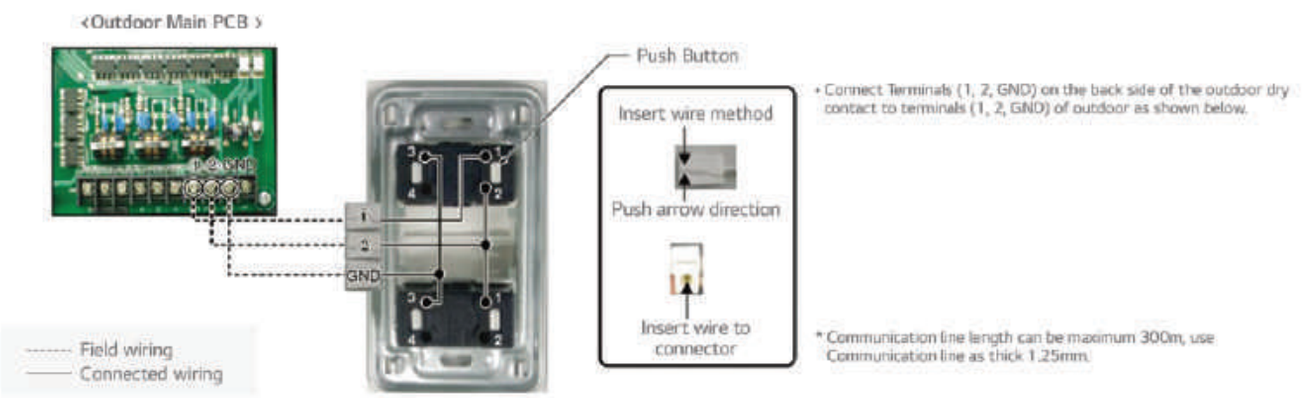
- Indoor unit mode control without central controller
- Select operation mode : Cooling, Heating, Fan mode
- Mode lock for cooling & heating mixing error-proof during the change of season



Models Applied

- MULTI V 5
- MULTI V IV
- MULTI V WATER S
- MULTI V WATER II
- MULTI V S
- MUL TI V PLUS II, MULTI V PLUS
- MULTI V WATER IV

Wiring Diagram

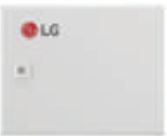


AHU KITS

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

COMMUNICATION KIT

PAHCMR000



PAHCMS000

NEW

CONTROL KIT

PAHCNM000

EEV KIT

PRLK048A0
PRLK096A0

NEW

CONTROLLER MODULE

PAHCMM000

PAHCMC000

PRLK396A0

PRLK594A0

Specifications

Control Application Kit

Type	Model	Dimensions (mm)			Power Supply	IP Rating	Description
		W	H	D			
Communication Kit	PAHCMR000	300	300	155	1Ø, 220~240 V, 50/60 Hz	IP66	Return / Room air temperature control by DDC or LG individual / centralized controller
	PAHCMS000	380	300	155	1Ø, 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 12V	IP20	Main Controller module
	PAHCMC000	108	90	61	DC 12V	IP20	Communication Controller module
Control Kit	PAHCNM000	500	500	210	1Ø, 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

AHU KITS

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 IV, MULTI V S, SINGLE SPLIT

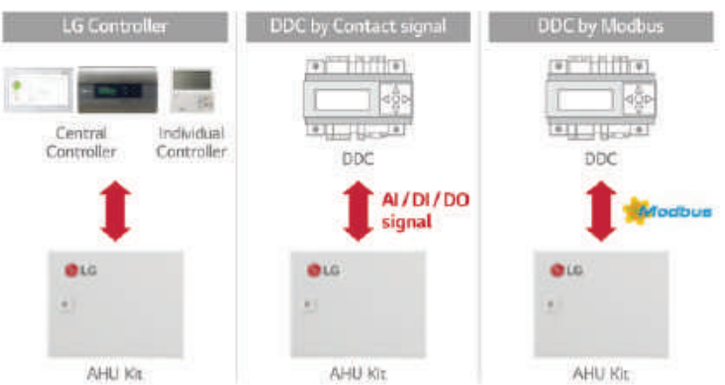
1) Maximum connectable EEV capacity for PAHCMR000, PAHCMC000 is 112 kW.

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

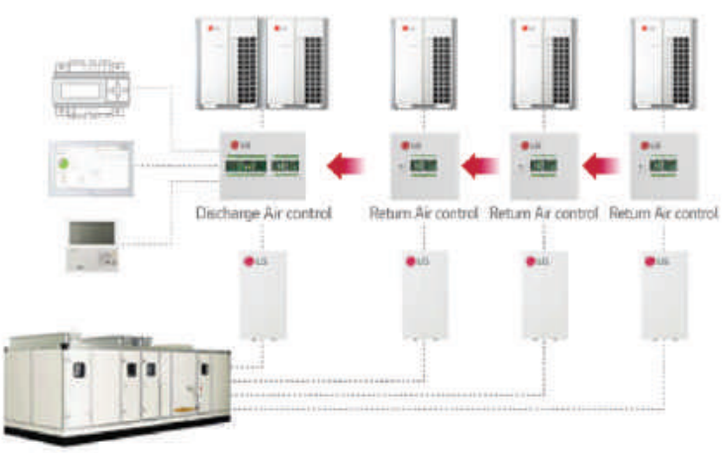
1) DDC : Direct Digital Controller



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

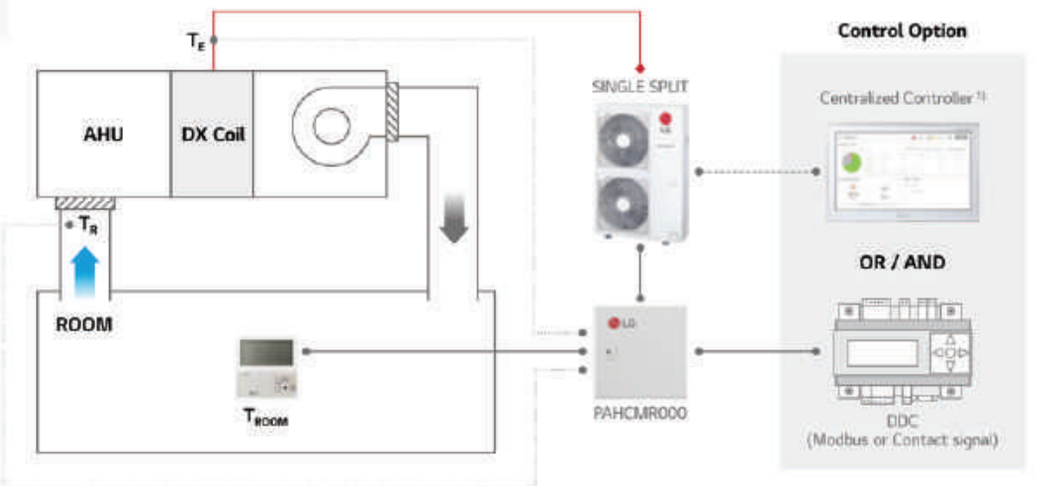


Single Split Application (Communication Kit & Controller Module)

Single Split + Return / Room Air Temperature Control

- Temp. Sensors
- Comm. Line
- Central Comm. Line to ODU
- Ref. Pipe

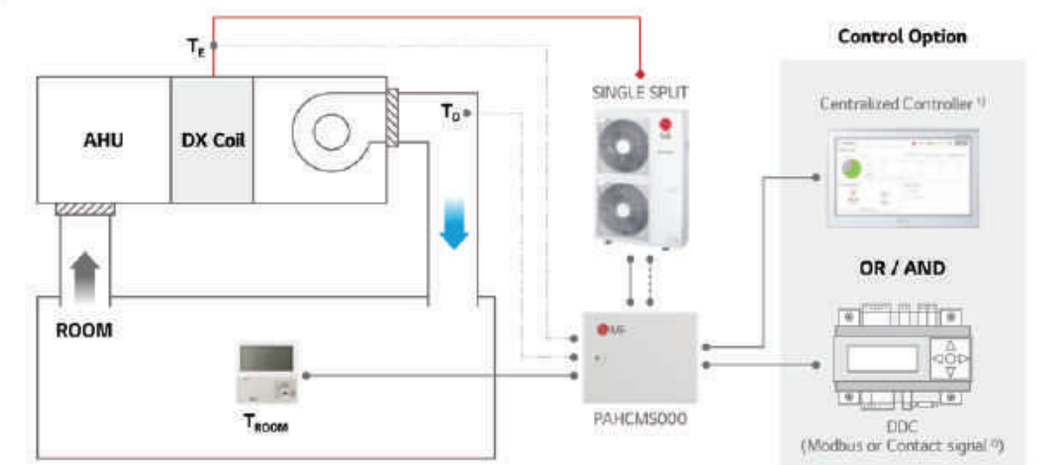
T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
T_R = Return Air Temperature
T_{ROOM} = Room Air Temperature



Single Split + Discharge Air Temperature Control

- Temp. Sensors
- Comm. Line
- Central Comm. Line to ODU
- Ref. Pipe

T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
T_D = Discharge Air Temperature
T_{ROOM} = Room Air Temperature



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.

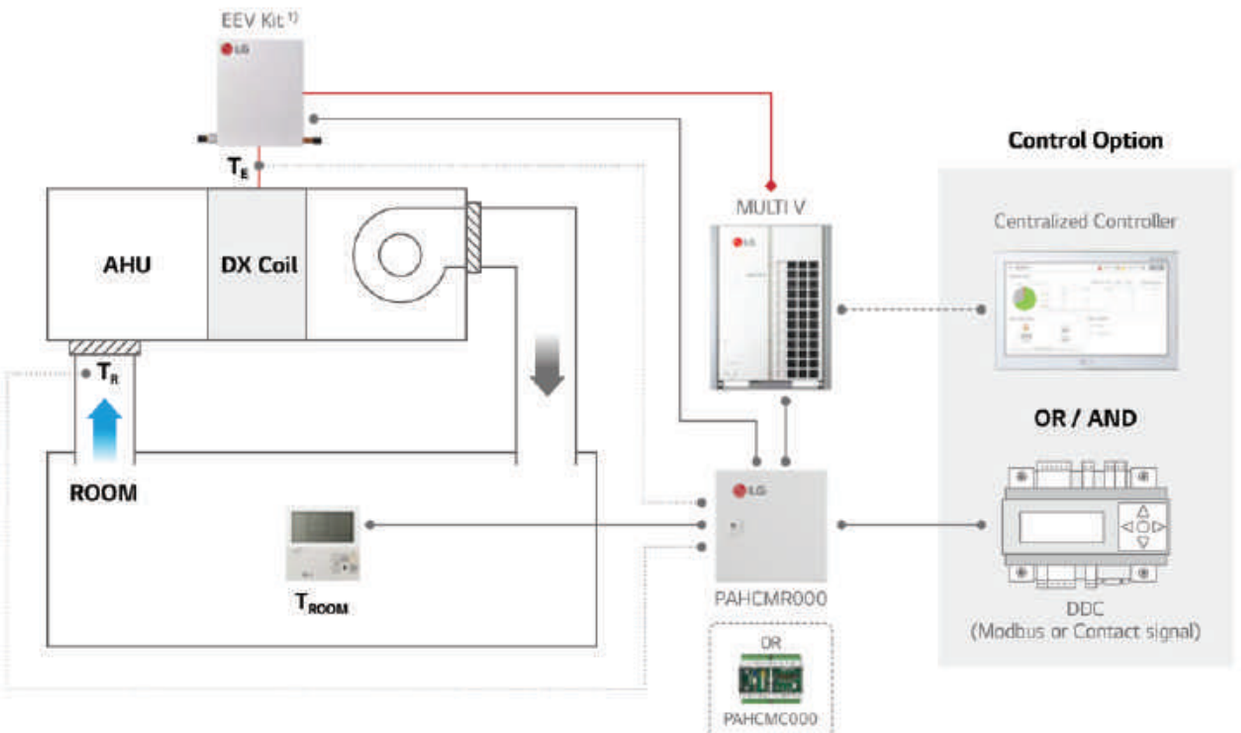
AHU KITS

MULTI V Application (Communication Kit & Controller Module)

MULTI V + EEV Kit + IDU + Return / Room Air Temperature Control

- Temp. Sensors
- Comm. Line
- Central Comm. Line to ODU
- Ref. Pipe

T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
T_R = Return Air Temperature
T_{ROOM} = Room Air Temperature

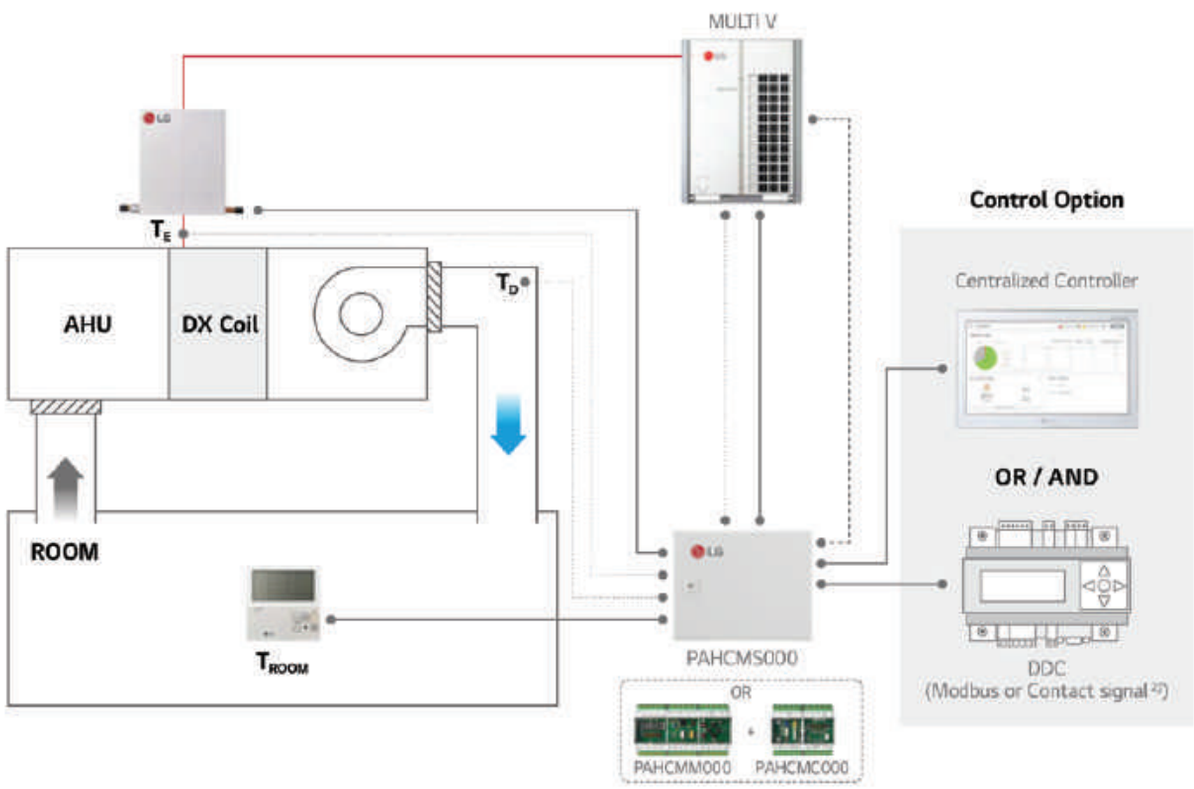


1) Multiple EEV kits can be applicable with multiple DX Coils and PAHCMR000s.
2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC.
Note : For more detail, please refer to the PDB.

MULTI V + EEV Kit + Discharge Air Temperature Control

- Temp. Sensors
- Comm. Line
- Central Comm. Line to ODU
- Ref. Pipe
- Comm. Line between modules

T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
T_D = Discharge Air Temperature
T_{ROOM} = Room Air Temperature



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.

AHU KITS

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 ℃	-	Analog Input (DC 0 ~ 10 V / 20mA)	-
	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	-	40 ~ 100%	Analog Input (DC 0 ~ 10 V / 20mA)	-
	Emergency Stop	-	Stop / Normal	Digital Input (Non Voltage)	-
Monitor	Operation	On / Off	On / Off	Digital Output (Max : DC 30 V / 1 A, AC 250V / 1 A)	For PACHMR000, dip sw1-3 DO Type should be set 'Off' (Status). In this case, 'fan speed' cannot 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 250V / 1 A)	For PACHMR000, dip sw1-3 DO Type should be set 'On' (Fan Mode) In this case, 'On/Off, defrost, error Status' cannot monitored by DO ports
	Defrost Operation	Defrost / Normal	Defrost / Normal	Digital Output (Max : DC 30 V / 1 A, AC 250V / 1 A)	For PACHMR000, dip sw1-3 DO Type should be set 'Off' (Status). In this case, 'fan speed' cannot monitored by DO ports
	Error Alarm	Error / Normal	Error / Normal	Digital Output, Relay C contact (Max : DC 30 V / 1 A, AC 250V / 1 A)	For PACHMR000, dip sw1-3 DO Type should be set 'Off' (Status). In this case, 'fan speed' cannot monitored by DO ports
	Compressor On / Off	-	On / Off	Digital Output, (Max : DC 30 V / 1 A, AC 250V / 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 ℃	-	
	Discharge Air Temperature [2]	-	12 ~ 50 ℃	Dip SW1-2 Discharge Temp. Control Type should be set 'On'
	Fan Speed [3]	High / Middle / Low	-	
	Forced Thermal On/Off	-	-	
	ODU Capacity Control [2]	-	40 ~ 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.
Note : For the Modbus memory map and more detail information, please refer to the product data book.

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]	-	12 ~ 50 ℃	Standard I : 16 ~ 30 ℃ Standard II : 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		○	-
	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.
Note : For more detail information, please refer to the product data book.

Compatibility with LG HVAC Controllers

Controller	Individual Controller			Centralized Controller					BMS Gateway	PDI
	Premium	Standard III	Standard II	AC Ez	AC Ez Touch	AC Smart 5	ACP 5	AC Manager 5 [1]	ACP Lonworks	Premium Standard
										
Model no.	PREMTA000 PREMTA000A PREMTA000B	PREMTB100 PREMTB810	PREMTB001	PQCSZ250S0	PACEZA000	PACS5A000	PACP5A000	PACM5A000	PLNWKB000	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.

HOTEL

Hotel Control Solution

Guest Rooms

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

Lobby

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

Modbus RTU (9,600bps)

Function
- Operation
- Indoor temperature
- Error alarm
- Set run mode
- Set temperature
- Set fan speed

Control with existing hotel thermostat

PDRYCB300

NEW **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

- 6,000ppm

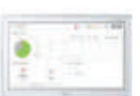
PREMTB100

Wired remote controller

- 4.3 inch color LCD
- Touch button

Lobby / Public Areas

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

Shopping Mall Control Solution

Retail

Proportionally distribute and manage the power consumption by tenants

Real-time system issue detection and alert

Maintenance Office

Reduces energy by checking operational trends

Atrium

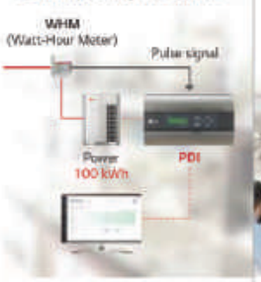
Integrated management of AHU applied to large spaces

Chiller and VRF integrated control

Design Proposal

Retail

Proportionally distribute and manage power consumption by the tenant



PPWRDB000
PDI Standard (2 port)
- Max. 128 IDU

PQNUD1S40
PDI Premium (8 port)
- 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

PCHLLN000
Chiller option kit
+

PACP5A000
ACP 5

PACS5A000
AC Smart 5

HOSPITAL

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

PTVSAA0
Human detection sensor

PREMTB100
Wired remote controller

- 4.3 inch color LCD
- Touch button

Monitor the comfort level for each hospital ward

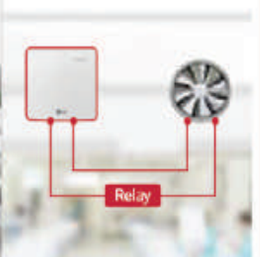
PACS5A000
AC Smart 5

- 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

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

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

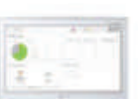
PTVSAA0

Human detection sensor

PREMTB100

Wired remote controller

- 4.3 inch color LCD
- Touch button



PACS5A000

AC Smart 5

- BMS Integration (BACnet IP, Modbus TCP)

PACP5A000

ACP 5

- BMS Integration (BACnet IP, Modbus TCP)

+

PACM5A000

AC Manager 5

OFFICE

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

Energy savings and management throughout the building

PACS5A000
AC Smart 5
- BMS Integration (BACnet IP, Modbus TCP)

PACP5A000
ACP 5
- BMS Integration (BACnet IP, Modbus TCP)

Integrated management of HVAC with BMS system

PLNWKB000
LonWorks gateway

PMBUSB00A
Modbus RTU gateway

Reduce costs by replacing BMS

PEXPMB000
ACS IO Module

PEXPM300
PEXPM200
PEXPM100
ACU IO Module

Office Room

Reasonable power distribution to tenants

PPWRDB000
PDI Standard (2 port)
- Max.128 IDU

PQNUD1S40
PDI Premium (8 port)
- Max.128 IDU

Server Room

Main equipment 24 hours back up management

PACS5A000
AC Smart 5
- BMS Integration (BACnet IP, Modbus TCP)

PACP5A000
ACP 5
- BMS Integration (BACnet IP, Modbus TCP)

Meeting Room

Energy savings based on occupancy detection

PTVSAA0
Human detection sensor

PREMTB100
Wired remote controller
- 4.3 inch color LCD
- Touch button

RESIDENTIAL

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

Control your home air conditioner anytime, anywhere

PWFMDD200

LG Wi-Fi modem

Function

- On / Off
- Fan speed
- Operation mode
- Vane control
- Reservation (Sleep, Weekly On / Off)
- Error check

Build a Smart house

PDRYCB500

Modbus RTU (9,600bps)

Function

- Operation
- Indoor temperature
- Error alarm
- Set operation mode
- Set temperature
- Set fan speed

Bed Room

Use a familiar residential thermostat

PDRYCB300

NEW **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

Simple interlocking control by remote control

PREMTB100

Wired remote controller

- 4.3 inch color LCD
- Touch button

Apartment

Stable system operation when indoor unit power is lost

PRIP0

Independent power module

- EEV full close function

ACCESSORIES

MECHANICAL ACCESSORIES

PIPING ACCESSORIES


LG
MULTI V 5

CASSETTE PANEL

The Independent Vane Operation makes desired and comfortable air flow.

Model Name & Applied Products

4 Way Cassette
(Mini) PT-QCHW0
(Standard) PT-MCGW0
(Air purification) PT-MPGW0

2 Way Cassette
(Standard) PT-USC

1 Way Cassette (1,100 x 34 x 500)
(Standard) PT-UAHW0
(Air purification) PT-UPHG0

1 Way Cassette (1,420 x 34 x 500)
(Standard) PT-TAHW0
(Air purification) PT-TPHG0

* Air Purification Kit
(1 Way) PTAHTP0
(4 Way) PTAHMP0

* Human detection Sensor
(4 Way) PTVSAA0


PT-QCHW0


PT-MCGW0


PT-MPGW0


PT-USC


PT-UAHW0


PT-UPHG0


PT-TAHW0


PT-TPHG0

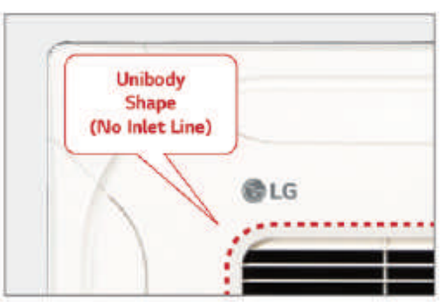
Key Features

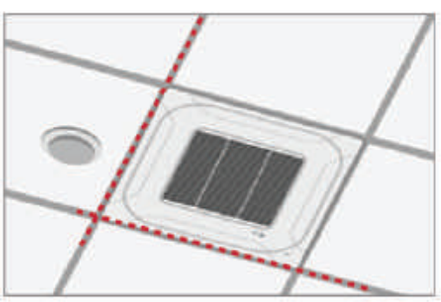
- Independent vane operation uses separate motors, making it Possible to control all 1, 2, and 4 vanes independently.
- The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain pipe and refrigerant pipes.

* Air Purification panel can be used with air Purification kit together for 1 Way, 4 Way panel.
* Human detecting sensor can be used with human detecting sensor for 4 Way panel.

Compact and Stylish Design

- New 4 Way cassette panel adapted unibody shape and matching with into the ceiling.
- Panel size is fit into the ceiling tile.



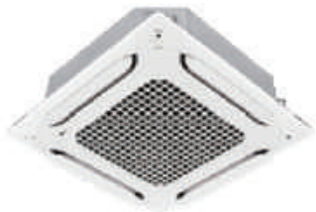


Specification

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	R410A
4 Way	PT-QCHW0	Grill	Morning Fog (RAL 9001)	-	3.0	620	35	620	2.5 ~ 5.0	2.5 ~ 5.0	1.5 ~ 5.3	1.5 ~ 5.3	1.6 ~ 6.2
	PT-MCHW0	Grill	Morning Fog (RAL 9001)	-	6.3	950	35	950	6.8 ~ 14.6	6.8 ~ 14.6	6.7	-	7.1 ~ 15.8
	PT-UQC	Grill	Morning Fog (RAL 9001)	-	3.0	700	22	700	2.5 ~ 5.0	2.5 ~ 5.0	-	1.5 ~ 5.3	1.6 ~ 6.2
	PT-UQC	Grill	Morning Fog (RAL 9001)	-	5.6	950	25	950	6.8 ~ 14.6	6.8 ~ 14.6	-	6.7	7.1 ~ 15.8
2 Way	PT-USC	Grill	Morning Fog (RAL 9001)	-	4.7	1,100	28	690	-	-	-	-	2.8 ~ 7.1
1 Way	PT-UUC	Grill	Noble White (RAL 9003)	O	4.6	1,100	34	500	-	-	-	-	2.2 ~ 3.6
	PT-UUC1	Grill	Noble White (RAL 9003)	-	4.4	1,100	34	500	-	-	2.6 ~ 3.5	2.6 ~ 3.5	-
	PT-UTC	Grill	Noble White (RAL 9003)	O	5.5	1,420	34	500	-	-	-	-	5.6 ~ 7.1
	PT-UUD	Panel	Noble White (RAL 9003)	O	4.6	1,100	34	500	-	-	-	-	2.2 ~ 3.6
	PT-UTD	Panel	Noble White (RAL 9003)	O	5.5	1,420	34	500	-	-	-	-	5.6 ~ 7.1

* Based on cooling capacity ※ O : Applied, - : Not applied

DUAL VANE CASSETTE PANEL



Model Name

PT-AAGW0
PT-AEGW0
PT-AFGW0

Available from **'Oct 2020**

Key Features

Model	Function					
	Dual Vane	Wi-Fi	Floor Temperature Sensor	Air Purification	Elevating Grille	Human detection sensor
PT-AAGW0	O	Optional	X	X	X	Optional
PT-AEGW0	O	Optional	X	X	O	Optional
PT-AFGW0	O	Optional	O	Optional	X	Optional

Specification

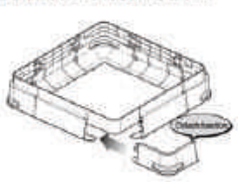
Model	Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)		
					W	H	D
PT-AAGW0	Grid	White (RAL 9003)	-	7.1	950	35	950
PT-AEGW0	Grid	White (RAL 9003)	-	8.5	950	35	950
PT-AFGW0	Grid	White (RAL 9003)	-	7.5	950	35	950

Air Purification Kit

Model	Image	Model name	PM1.0 filter	Deodorization filter	HVPS	HVPS
Air purification kit		PTAHMP0	O	O	O	O

CASSETTE COVER

Cover in case of exposed cassette installation.



Key Features

- Specially designed for indoor unit
- Covers the side area of cassette
- Gives elegant looks
- Light weight

Specification

Model	Front Panel		Weight (kg)		Dimensions (mm)		
			NET	Gross	W	H	D
PTDCM	PT-UMC / PT-UMC1	TP / TN	5.9	8.8	1,157	1,157	268
		TM	5.9	8.8	1,157	1,157	310
PTDCQ	PT-UQC	TR	5.0	7.2	907	907	268
		TQ	5.0	7.2	907	907	310

Model Name

PTDCM / PTDCQ

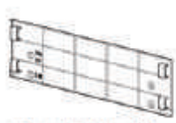
Applied Products

4 Way Cassette (for chassis TP, TN, TM, TQ, TR)

Included Parts

- Cover A, Cover B
- Cover C, Cover D
- Screws
- Installation Manual

Cover A (4 units)



Cover B (4 units)

Screw (32 units)

Cover C (4 units)

Cover D (4 units)

Installation Manual

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

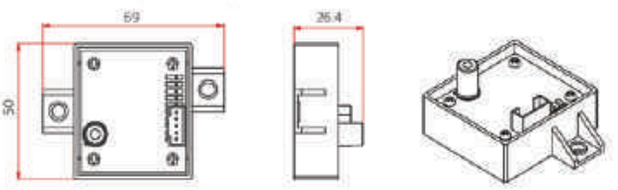
LZ-H050GXN0 / LZ-H080GXN0
LZ-H100GXN0 / LZ-H050GXH0
LZ-H080GXH0 / LZ-H100GXH0

Key Features

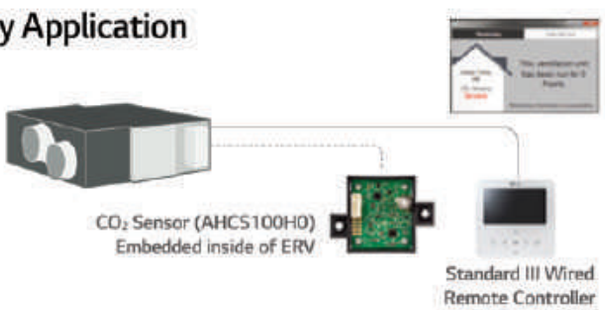
Specification
- Applied Model : ERV (Embedded), ERV DX (Option)
- Supply voltage : DV12V ± 5%
- Output : 0.6 ~ 4.4V (Linear output, 240 ~ 1,760 ppm CO_2)
- Accuracy : ± 10% (2 days after installation)

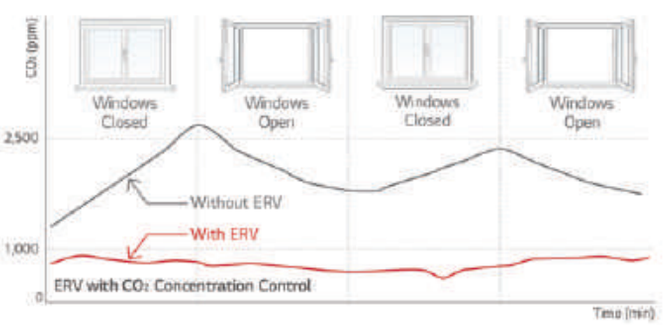
Description
- The product is especially designed to detect CO_2.
- This model requires Standard III Wired Remote Controller for display.

Dimensions (Unit : mm)



Key Application

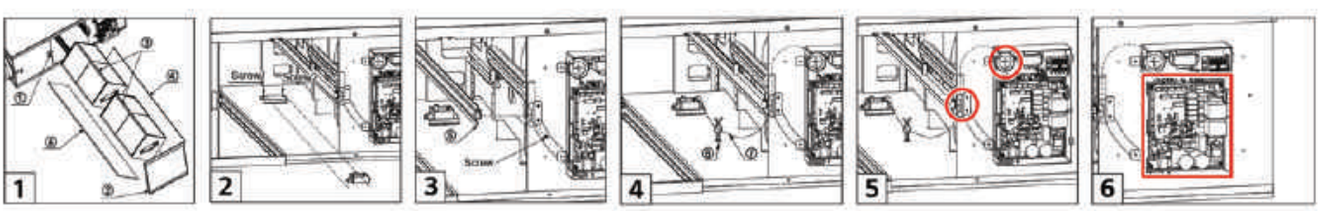




How to Install

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 250mm.



REFRIGERANT LEAKAGE DETECTOR

R410A refrigerant leakage detector ensures room safety.

Model Name

PRLDNVS0

Applied Products

MULTI V 5
MULTI V IV Heat Pump & Heat Recovery
MULTI V WATER IV

Key Features

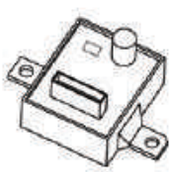
- This detector senses refrigerant leakage when the refrigerant concentration exceeds 6,000ppm. (The green and red LED lights blink simultaneously.)
- Alarm is "on" when refrigerant leaks out more than 6,000ppm for 5 seconds. If it is reduced less than 6,000ppm for 5 seconds, alarm is "off".
- When the 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 – 500mm 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 (℃)	-10 ~ 50
	Preserved Temperature Range (℃)	-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 Back Plate (W x H x D, mm)	80 x 110 x 6.5

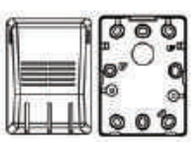
※ This function available for ARU***L**5 and 4 (MULTI V 5, MULTI V IV H/P, H/R model)

Included Parts



Sensor

Connecting Cable

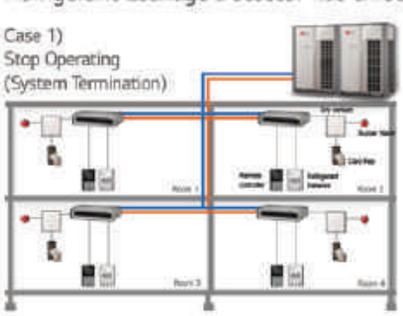


Sensor Protective Cover

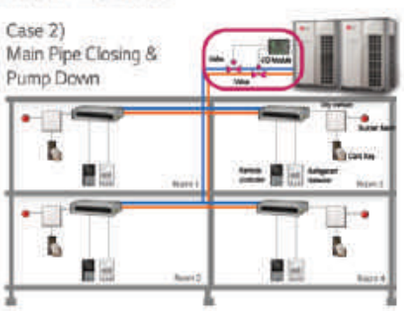
Key Application

Refrigerant Leakage Detector has three application methods.

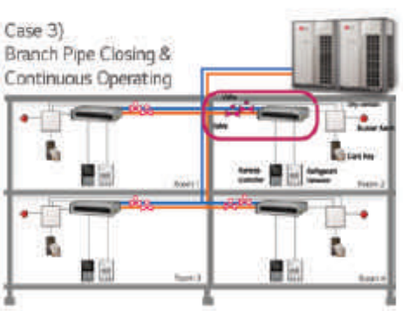
Case 1)
Stop Operating
(System Termination)



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

PRLDNVS0
(Refrigerant
leak detector)

[Optional / Field Supply]
Automatic
Ball Valve[1]

PDRYCB400
(Dry contact)

[Optional / Field Supply]
Buzzer alarm
for central control room
(Direct connection – DC 30V, – 1A)

[Field Supply]
Buzzer alarm for room

Central Control Devices

※ Necessary accessory

1) Please contact to subsidiary to get the recommended specification. (LG Electronic don't provide this accessory)

EEV KIT (FOR INDOOR UNIT)

MULTI V EEV KIT is specially designed to reduce noise and make comfort environment.

Model Name

PRGK024A0

Key Features

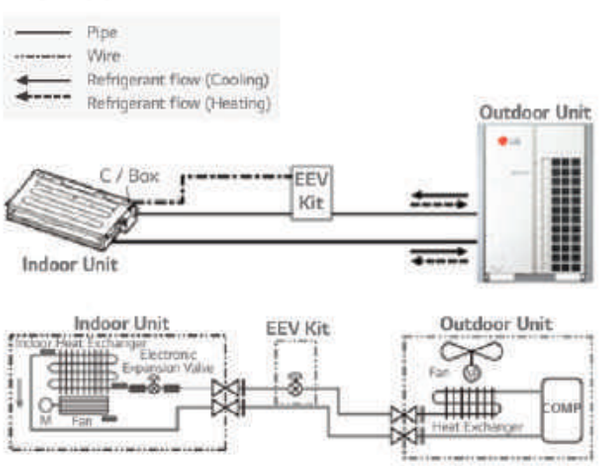
- Decreasing noise level of MULTI V Indoor units and easy installation.

Applied Products

Indoor Unit	Model	Chassis	Applicable
Cassette	1 Way Cassette	TU	○
	2 Way Cassette	TT	N/A
		TS	○ (~5.6kW)
	4 Way Cassette	TR	○
		TQ	○ (~4.5kW)
		TP	N/A
		TN	N/A
		TM	-
Duct	High Sensible	BG	-
		BR	-
		BB	-
	High Static	BB	-
	Middle Static	M1	○ (~5.6kW)
		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	-

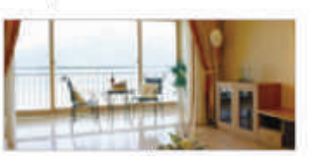
※ ○ : Applied, - : Not applied, N/A : Not Applicable

Key Application



EEV Kit can be applied for the space which requires quiet environment and noise sensitive space.


Luxury Hotel


Villa


Executive office

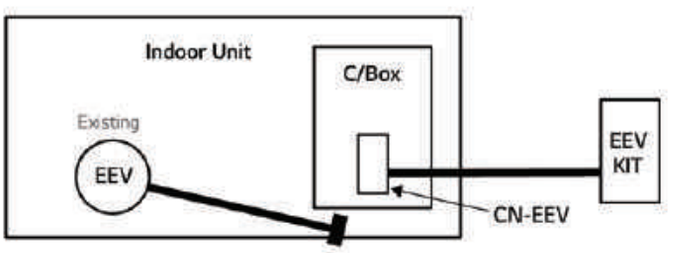

Meeting room

Note : 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.



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

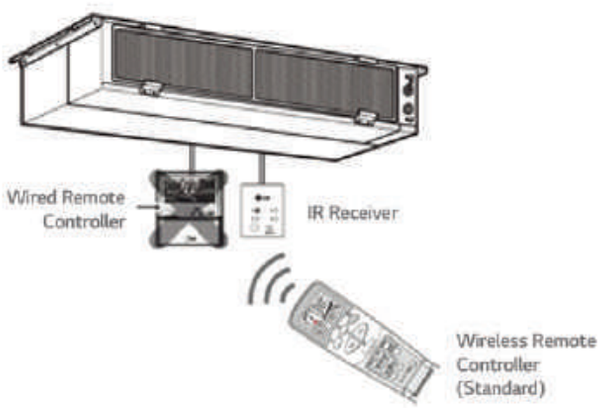
MULTI V Indoors (Ceiling Concealed Duct, Floor Standing Units)

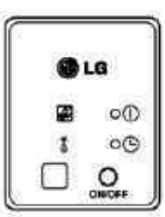
Key Features

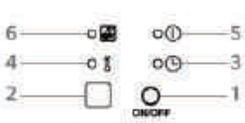
- Designed for wireless control.
- Indication lamps (3 colors) and Self-diagnosis function.

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 controller.
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°C and the fan speed is high.

INDEPENDENT POWER MODULE

It closes EEV in indoor unit when power cut.

Model Name

PRIP0

Applied Products

MULTI V Indoor Units

Key Features

- Independent Power Module is specially designed to close the Indoor EEV when power cut-off.
  - Supply Voltage : DC 12V ± 50%

Included Parts

Model	PRIP0		
Item	Independent Power Kit	Screw	Clamp (Tie Wrap)
Q'ty	1	2	4

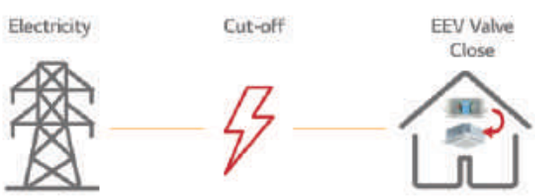
(Others)
- Harness 1 (1m)
- Harness 2 (1m)
- Harness 3 (1m)
- Installation Manual
- Insulation (PE)

Figure

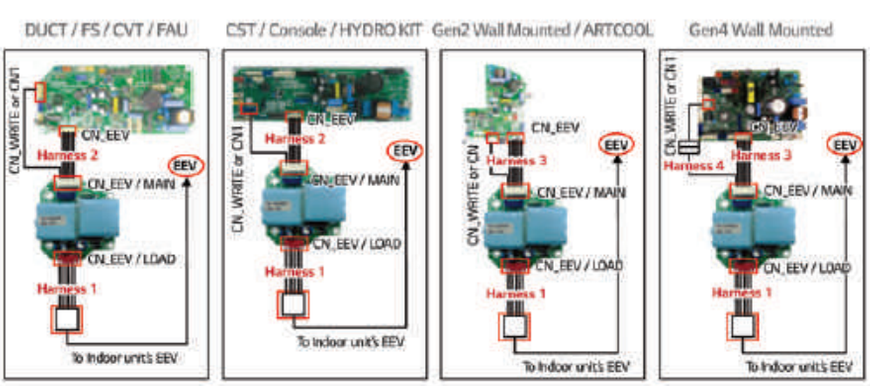
M4 x10

Key Application

If the EEV is opened due to power cut off, liquid refrigerant flows into compressor. It could damage the compressor in cooling mode. Also condensing might be happened for unclosed EEV's indoor unit due to flow of refrigerant.



How to Install



① Turn the power off using circuit breaker.
② Disconnect the EEV cable of the indoor unit's PCB (CN-EEV)
③ Connect the independent power module (CN-EEV/ LOAD) to the indoor unit's EEV, using harness 1.
④ Connect the independent power module (CN-EEV/ MAIN) to the indoor unit's PCB (CN-EEV/CN-WRITE), using harness 2 or 3.
⑤ Supply the power.

* FS : Floor Standing
* CVT : Convertible
* FAU : Fresh Air Intake Unit
* CST : Cassette

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

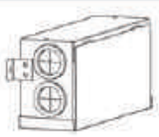
Applied Products

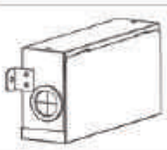
1, 2, 4 Way Ceiling Cassette, High Static Ducted, Low Static Ducted, Ceiling Suspended

Key Features

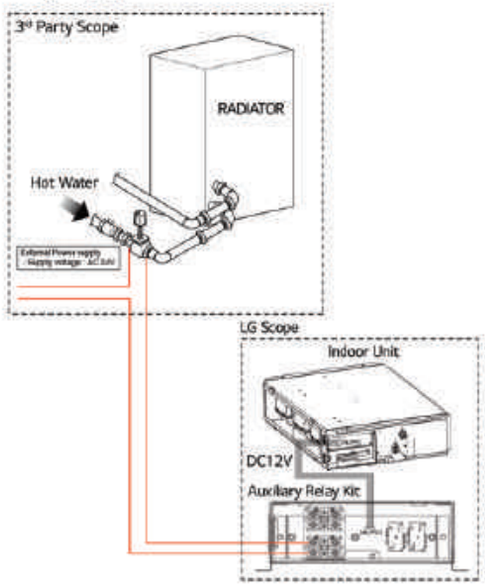
- Provides two stages of auxiliary heat for indoor unit.
- Provides ability to use the two stage auxiliary heater as the primary or secondary heating source.

Included Parts

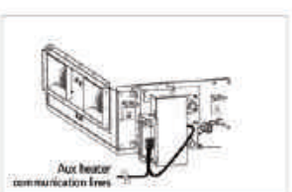
Model	PRARH1			
Item	Auxiliary Heater Relay Kit	Screw	Insulation	Installation Manual
Q'ty	1	2	2	1
Figure				

Model	PRARS1			
Item	Auxiary Heater Relay Kit	Screw	Insulation	Installation Manual
Q'ty	1	2	2	1
Figure				

Key Application

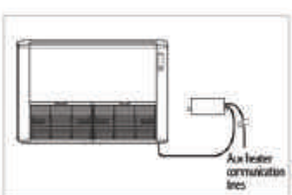


How to Install

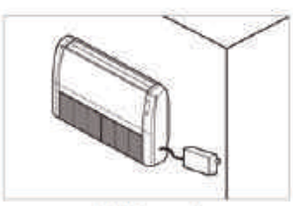


High Static Ducted

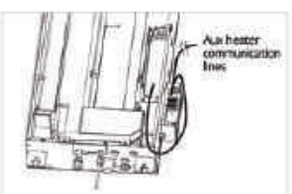
Low Static Ducted



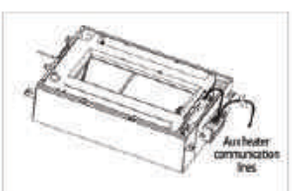
Ceiling Suspended



Wall Mounted



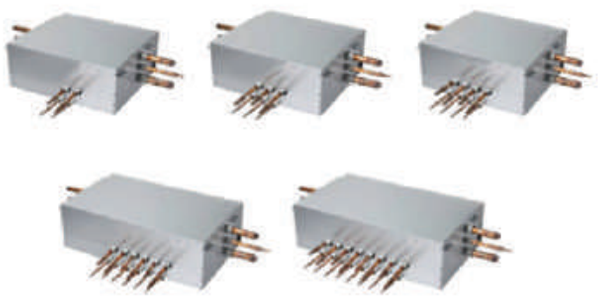
1 Way Cassette



2 Way Cassette

4 Way Cassette

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

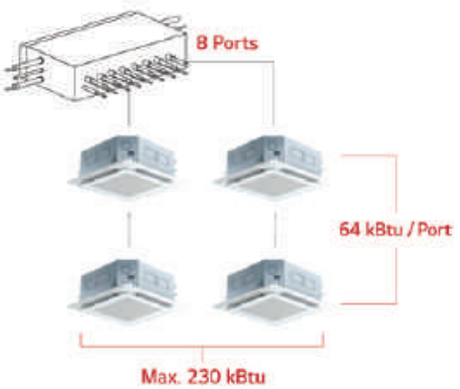
MULTI V 5
MULTI V IV
MULTI V WATER IV

Key Features

- Max. 64 indoor units can be connected. (Max. 8 indoor units per branch)
- It is easy to install due to the automatic search algorithm for piping detection.
- Subcooling cycle in HR unit makes the system efficiency maximum.

Connection Capacity

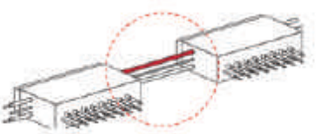
Maximum number of connectable indoor units :
64 IDUs / HR unit (in case of 8 ports model)



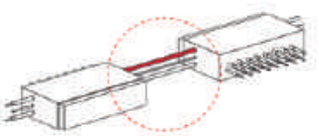
Flexible Connection

Series connection can be installed without pipes crossing.

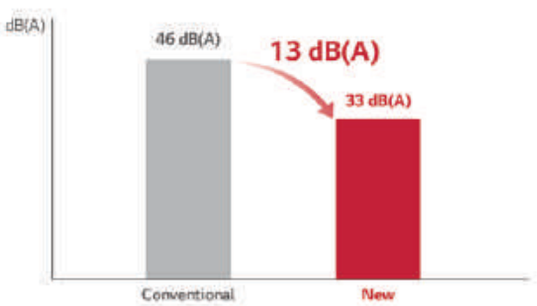
New



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°C DB / 19°C WB, 35°C DB / 24°C WB
  (Heating) 20°C DB / 15°C WB, 7°C DB / 6°C WB
- Operating : cooling → heating switching operation

Included Parts

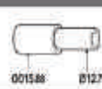
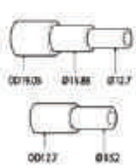
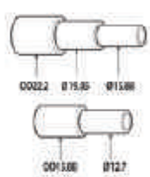
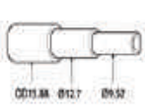
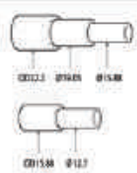
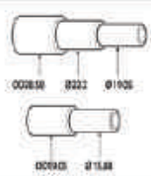
- HR unit (1EA)
- Hanging bolts M10 or M8 (4EA)
- Nut M8 or M10 (8EA)
- Washers M10 (8EA)
- Reducers

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 / 69.5	17.5 / 69.5	17.5 / 69.5
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 (1 1/8)	28.58 (1 1/8)	28.58 (1 1/8)	28.58 (1 1/8)
		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			

Y BRANCH AND HEADER BRANCH

For refrigerant distribution of indoor units.

Model Name

Refer to specifications

Applied Products

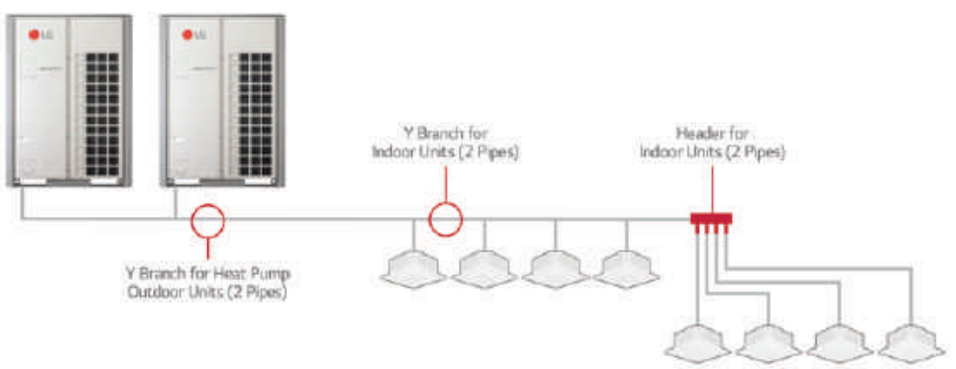
MULTI V 5
MULTI V IV
MULTI V III, MULTI V PLUS II, MULTI V PLUS
MULTI V S
MULTI V WATER IV
MULTI V WATER II
MULTI V WATER S

Key Features

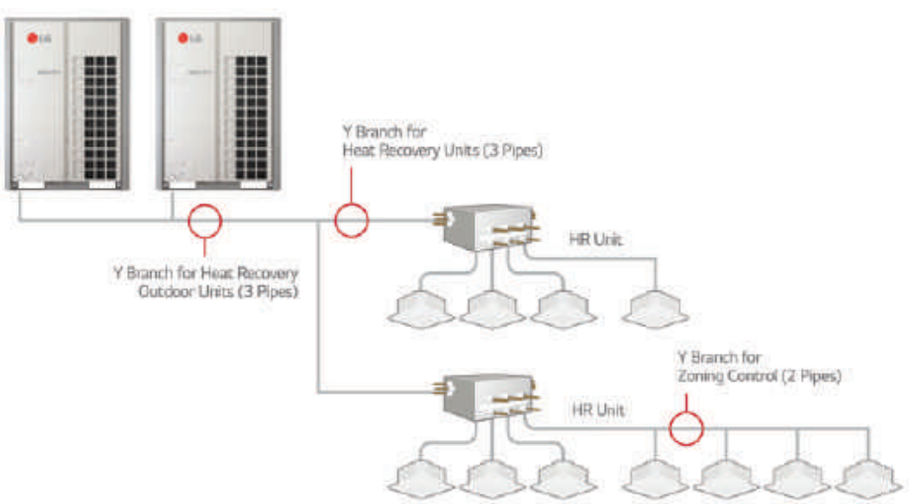
- Various Y Branch pipe of different capacities make MULTI V installation much easier.
- Y Branch and header branch for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Key Application

Heat Pump System



Heat Recovery System

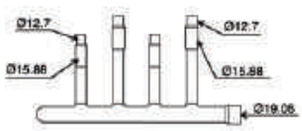
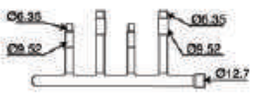
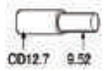
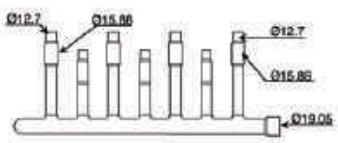
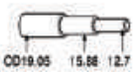
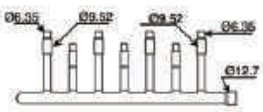
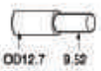
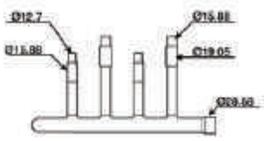
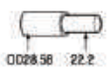
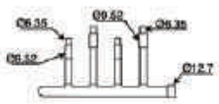
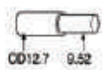
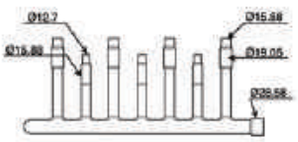
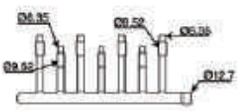
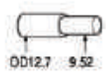
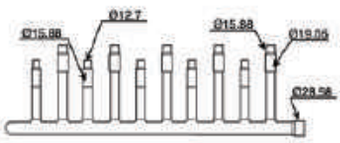
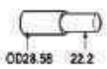
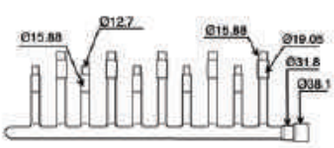
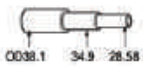
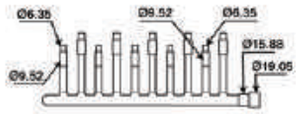
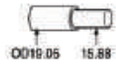


Specification

Header Branch

R410A

(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)				

PIPING ACCESSORIES

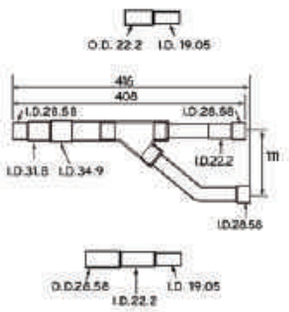
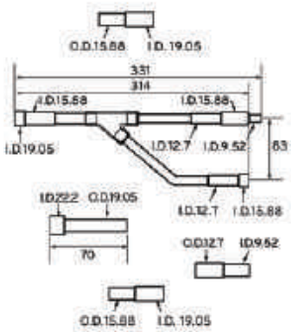
Y Branch pipe for connection of outdoor units.

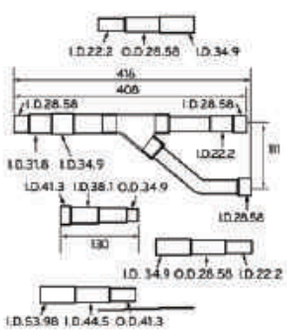
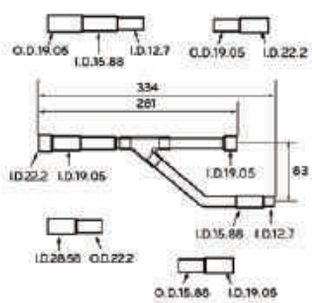
Specification

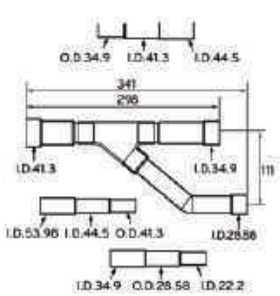
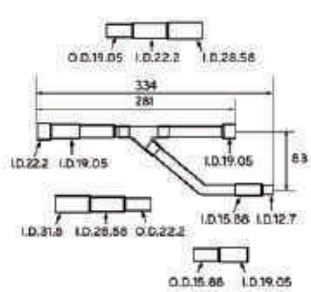
Heat Pump

R410A MULTI V 5, MULTI V IV, MULTI V III, MULTI V WATER IV, MULTI V WATER II

(Unit : mm)

2 Outdoor Units		
Model	High Pressure Gas Pipe	Liquid Pipe
ARCNN21		

3 Outdoor Units		
Model	High Pressure Gas Pipe	Liquid Pipe
ARCNN31		

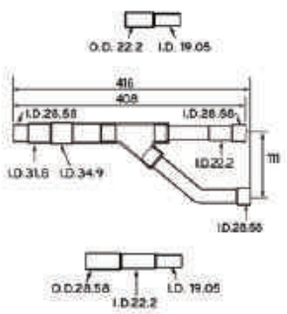
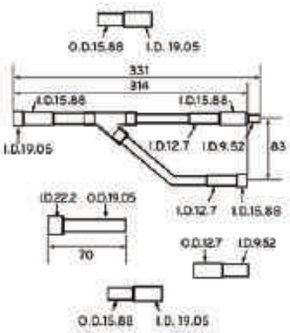
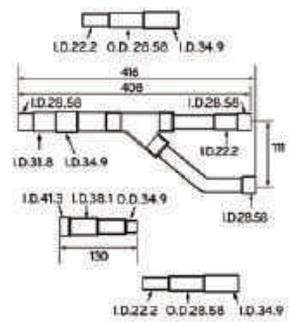
4 Outdoor Units		
Model	High Pressure Gas Pipe	Liquid Pipe
ARCNN41		

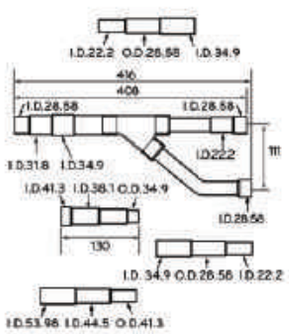
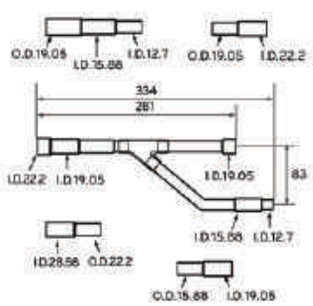
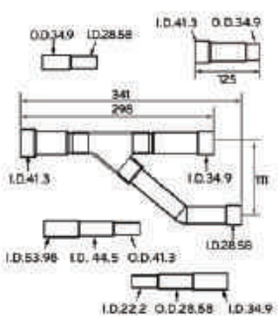
Specification

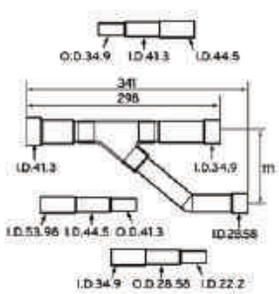
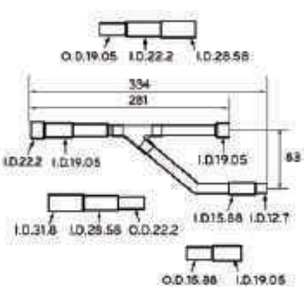
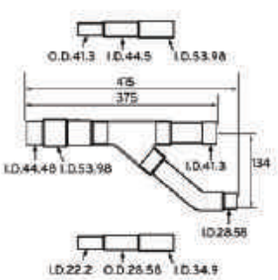
Heat Recovery

R410A MULTI V 5, MULTI V IV Heat Recovery, MULTI V III Heat Recovery, MULTI V WATER IV Heat Recovery, MULTI V WATER II Heat Recovery

(Unit : mm)

2 Outdoor Units			
Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas Pipe
ARCNB21			

3 Outdoor Units			
Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas Pipe
ARCNB31			

4 Outdoor Units			
Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas Pipe
ARCNB41			

PIPING ACCESSORIES

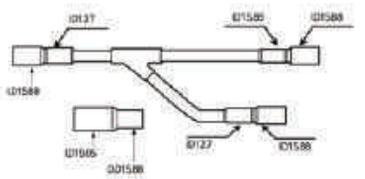
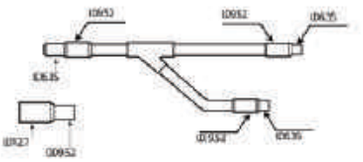
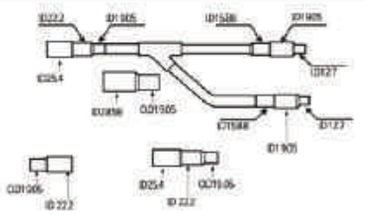
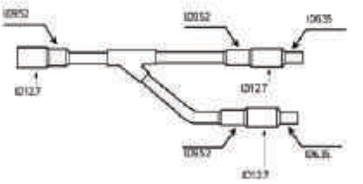
Y Branch pipe for connection of outdoor units.

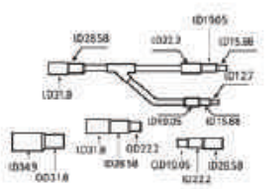
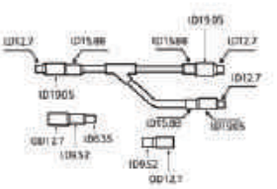
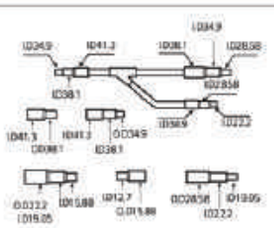
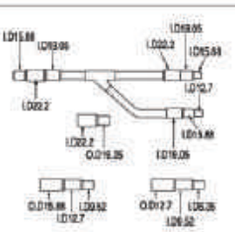
Specification

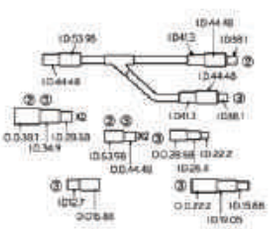
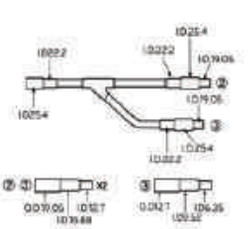
Heat Pump, Heat Recovery Zone Control

R410A MULTI V 5, MULTI V IV, MULTI V III, MULTI V PLUS II, MULTI V PLUS, MULTI V S, MULTI V MINI, MULTI V SPACE II, MULTI V WATER IV, MULTI V WATER S, MULTI V WATER II

(Unit : mm)

Model	Gas Pipe	Liquid Pipe
ARBLN01621		
ARBLN03321		

Model	Gas Pipe	Liquid Pipe
ARBLN07121		
ARBLN14521		

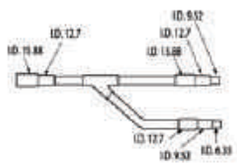
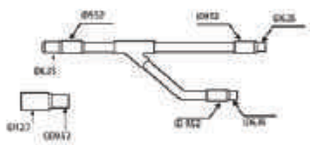
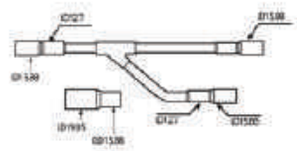
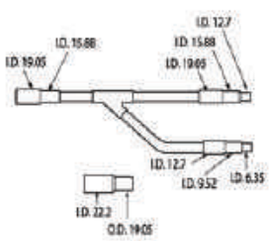
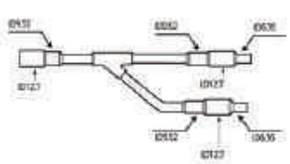
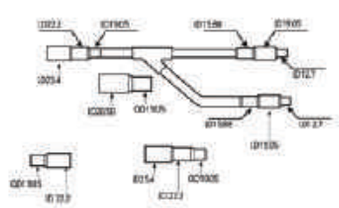
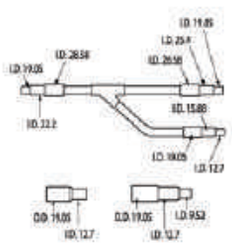
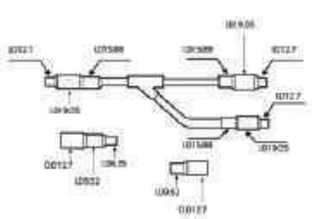
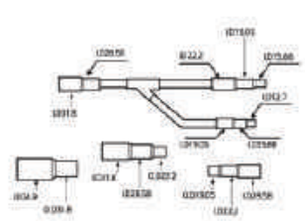
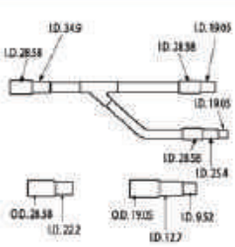
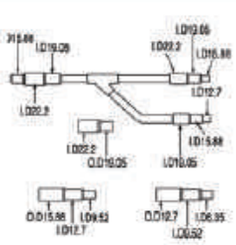
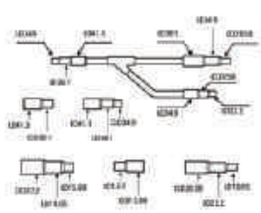
Model	Gas Pipe	Liquid Pipe
ARBLN23220		

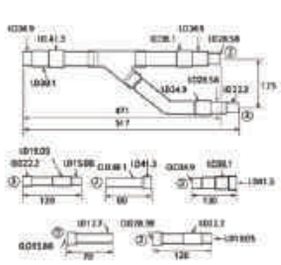
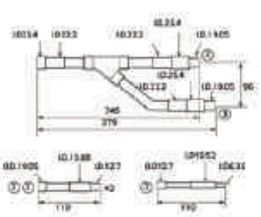
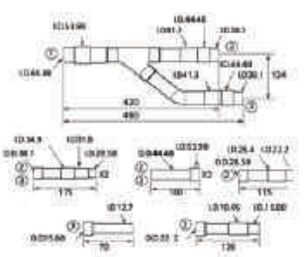
Specification

Heat Recovery

R410A MULTI V 5, MULTI V IV Heat Recovery, MULTI V III Heat Recovery, MULTI V WATER IV Heat Recovery, MULTI V WATER II Heat Recovery

(Unit : mm)

Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas Pipe
ARBLB01621			
ARBLB03321			
ARBLB07121			
ARBLB14521			

Model	High Pressure Gas Pipe	Liquid Pipe	Low Pressure Gas Pipe
ARBLB23220			

REFRIGERANT CHARGING KIT

Recharging refrigerant after a pump down or when refrigerant is either insufficient or excessive.

Model Name

PRAC1

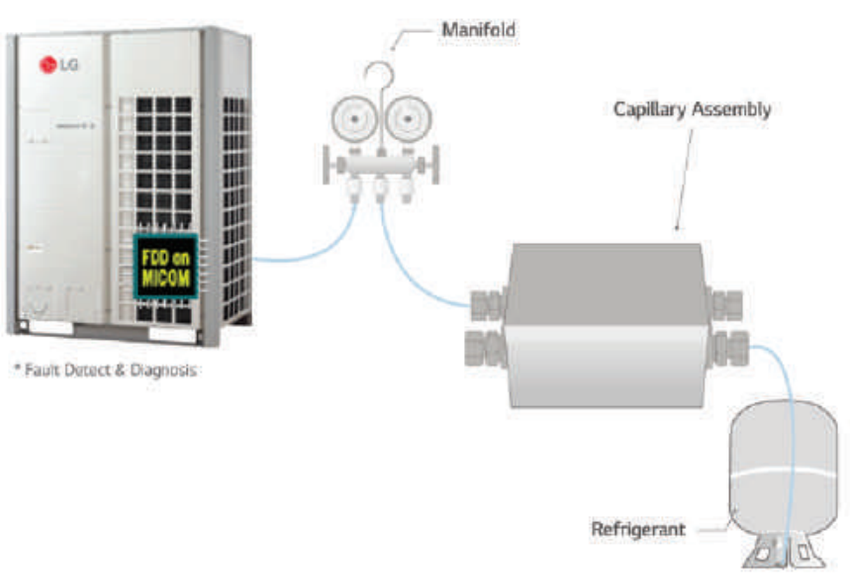
Applied Products

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

- Arrange manifold, capillary assembly, refrigerant vessel and scale.
- Connect manifold to the gas pipe service valve of outdoor unit as shown in the figure.
- Connect manifold and capillary tube. Use designated capillary assembly only.
  If designated capillary assembly isn't used, the system may get damaged.
- Connect capillary and refrigerant vessel.
- Purge hose and manifold.
- After "568" is displayed, open the valve and charge the refrigerant.

Key Application



DRAIN HOSE

Easy drain installation.

Model Name

PHDHA05T
PHDHA07T
PHDHA05B
PHDHA07B

Applied Products

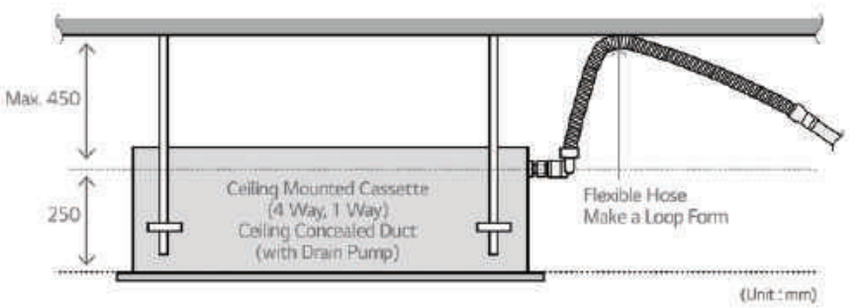
MULTI V Indoor units

Key Features

- It reduces the installation time by over 40% with elbow-less drain hose.
- Drain pump covers maximum 700mm 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	500mm	30EA
PHDHA07T	700mm	30EA
PHDHA05B	500mm	5EA
PHDHA07B	700mm	5EA

STOPPER VALVES

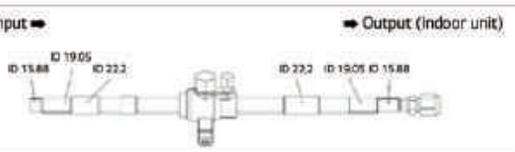
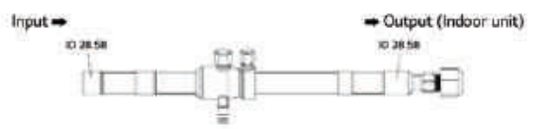
Model Name

PRVT120 (Under 12.7mm)
PMVT780 (Under 22.2mm)
PMVT980 (Under 28.58mm)

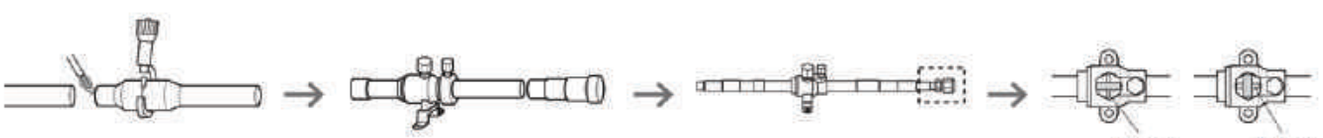
Key Features

- 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	
PRVT780	
PRVT980	

How to Install

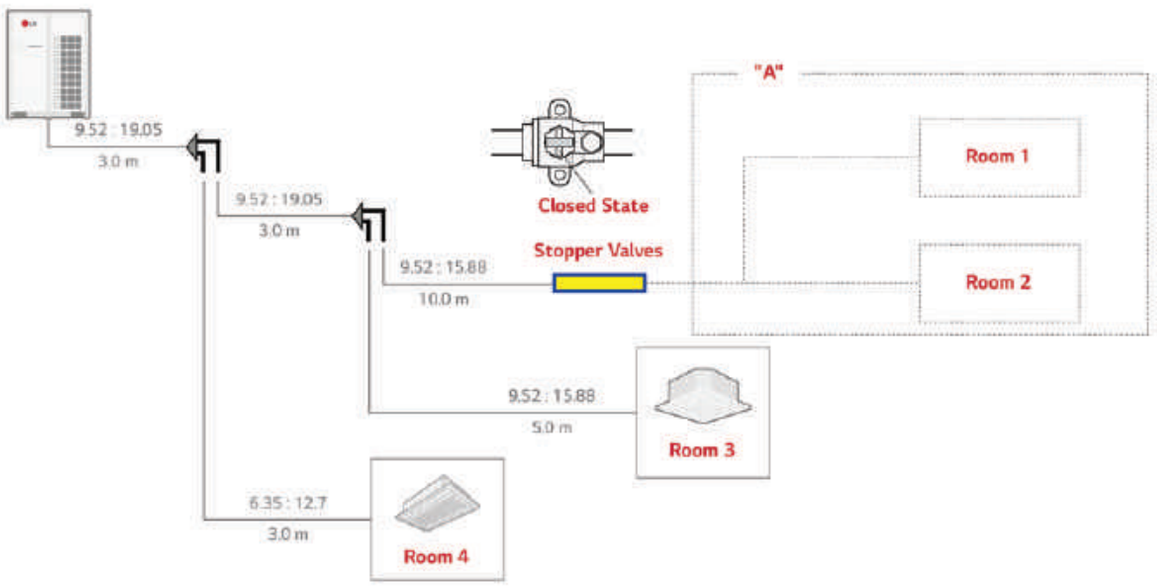


1. Cut the inlet side of the connector, and weld the pipe.
2. If installing additional indoor units, the outlet side connector should be cut according to installation pipe.
3. When installing a stopper valve, the flare part should be facing towards additional indoor unit.
4. When installing anadditional indoor unit, the SVC valve should be in closed state.

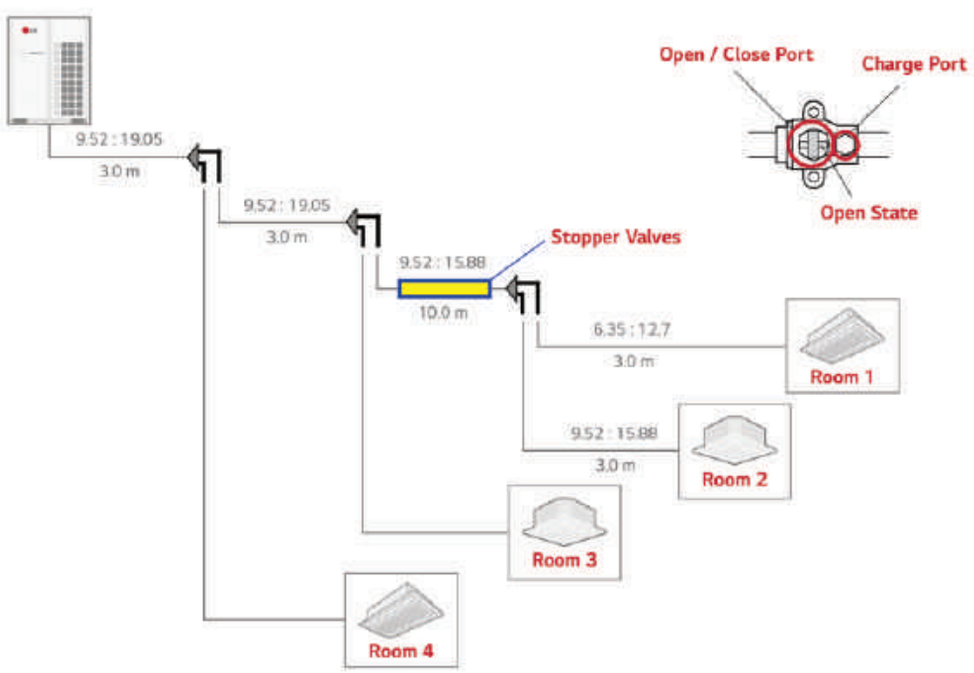
※ When welding, service valve should be wrapped by wet cloth.

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.



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

Distributed by