Version Sep. `22

LG Business Solutions

MULTI V™

LG HVAC Solution

MULTI V™

For Middle East & Africa



LG Business Solutions

LG Electronics

http://www.lg.com
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LG Business Solutions

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DESIGNED FOR THE ULTIMATE

MULTI V™

From the moment when LG introduced Korea's first residential air conditioner in 1968, the company has continuously enhanced its technological innovation and credibility. As a result of sustained improvement, LG VRF launched the first generation of MULTI V in 2006 and achieved significant development. With world's top class compressor and innovative technology competency applied on every part, cycle and controlling solutions, it has evolved to be one of the world's most efficient and reliable VRF solutions.

Following the first and second generations with Inverter technology and non-ozone depleting refrigerant, MULTI V III has advanced its efficiency with diverse cutting-edge technologies such as HiPOR™ that directly returns oil to compressor and Vapor Injection that allows double compression by adding mid-pressure refrigerant. The innovative technologies of 4th generation MULTI V secured MULTI V brand with product leadership based on efficient system. For example, Smart Load Control that controls operational load according to external temperature. The other technology is optimized to manage refrigerant and heat exchange for cooling or heating.

Moreover, MULTI V's wide range of VRF line-up satisfies various types and sizes of buildings; MULTI V S is the VRF with side discharge, designed for small to mid-sized building and MULTI V WATER is the water-cooled VRF solution with variable water flow controlling technology.

4th GENERATION MULTI V™ IV

- Max. capacity 20HP
- 4th Generation Inverter
  - BLDC Inverter
  - HiPOR™, Oil Sensor, VI
  - Range : 15Hz ~ 150Hz

3rd GENERATION MULTI V™ III

- Max. capacity 16HP
- 3rd Generation Inverter
  - BLDC Inverter
  - VI

2nd GENERATION MULTI V™ II

- Max. capacity 16HP
- 2nd Generation Inverter
  - DC Inverter

1st GENERATION MULTI V™

- Max. capacity 14HP
- 1st Generation Inverter
  - AC Inverter





5th GENERATION MULTI V™ 5

- Max. capacity 26HP*
- 5th Generation Inverter
  - BLDC Inverter
  - New bearing with PEEK material
  - HiPOR™, Oil Sensor, VI
  - Range : 10Hz ~ 165Hz

* Based on Non Tropical model

HIGHLIGHTS OF MULTI V

DUAL SENSING CONTROL

ULTIMATE EFFICIENCY

Ultimate Energy Saving with Dual Sensing Control.

Humidity + Temperature

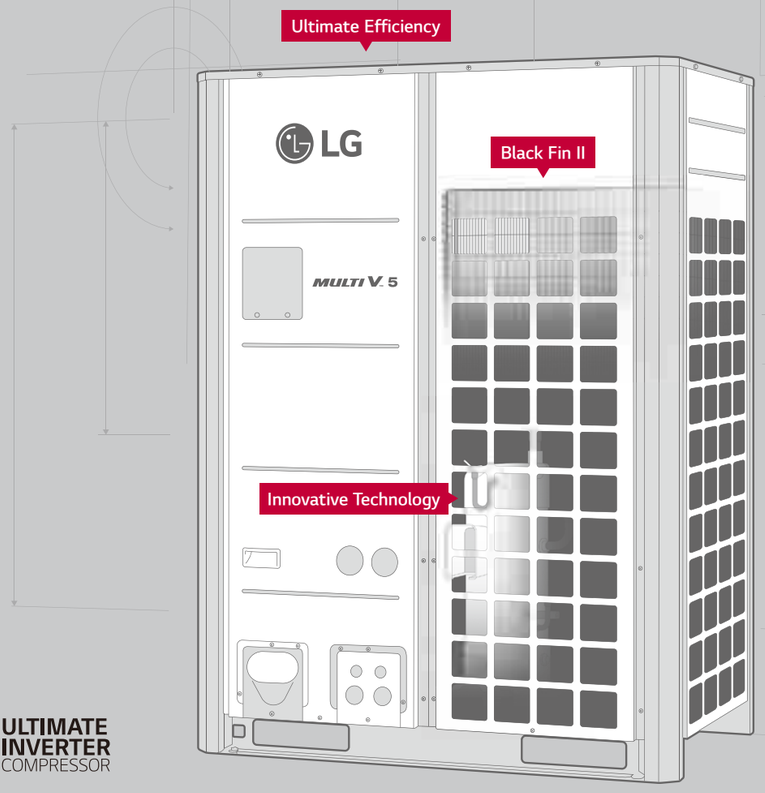
Black Fin II

SUPERIOR DURABILITY

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

Verified Protection

※ Verification of corrosion resistance performance
- ASTM B117 / ISO 9227 (10,000 hours)



ULTIMATE INVERTER COMPRESSOR

INNOVATIVE TECHNOLOGIES

Ultimate Inverter Compressor
- **MULTI V 5**

DESIGN FLEXIBILITY

Flexible Installation with Large Capacity Outdoor Unit. MULTI V 5 enables easy type change-over to suit the purpose of any building. MULTI V S allows versatile design with flexible piping locations.



BRAND RELIABILITY

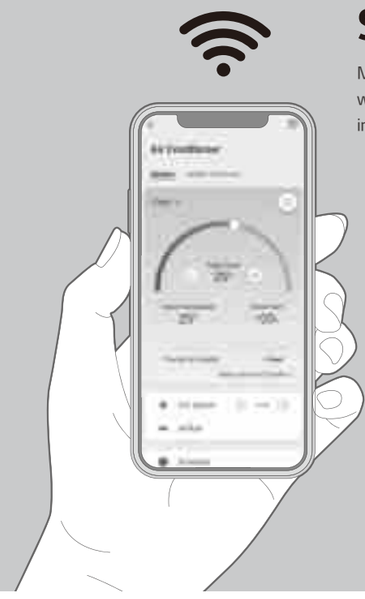
Global production sites facilitate world-class customer service.

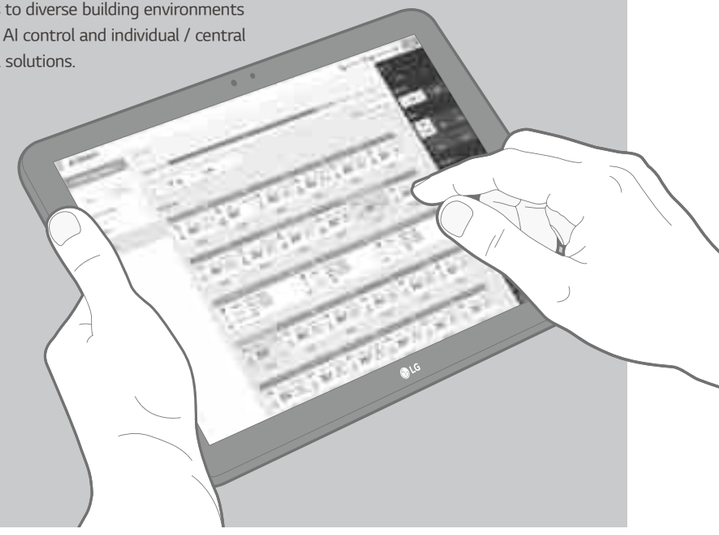
DIVERSE PRODUCT LINE UP

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

SMART CONTROLS

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

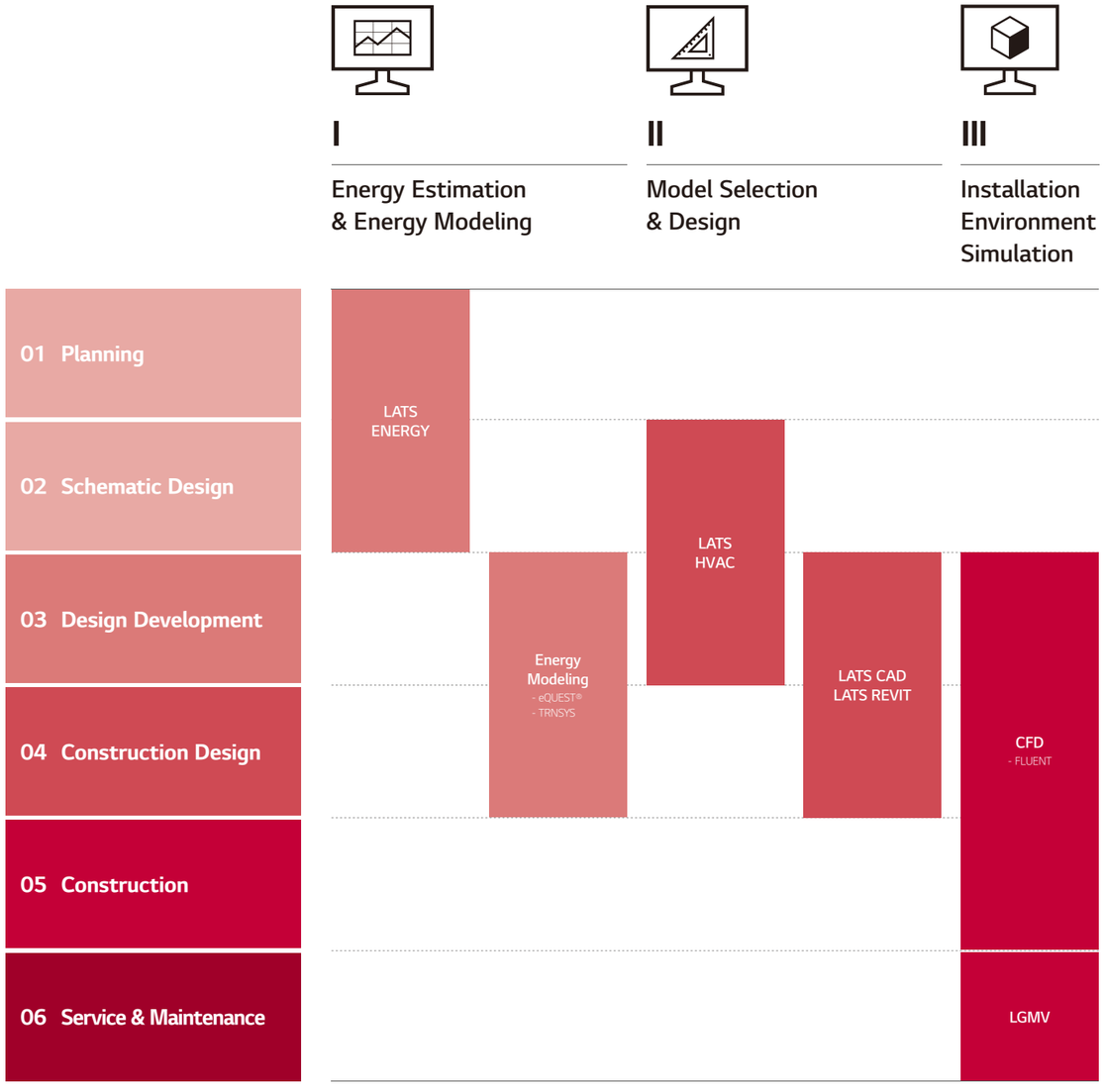




ENGINEERING TOOLS & SUPPORT

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 : I. Draft Energy Estimation & Energy Modeling, II. Model Selection & Design, and III. Installation Environment Simulation. Among them, the LATS* Program series has been developed to offer the best tool for LG HVAC systems, providing our customers a faster, easier, and a more accurate way in everyday duties of Model-selection, Draft Energy Estimation & Designing, and many more.

* LATS : LG Air-conditioner Technical Solution



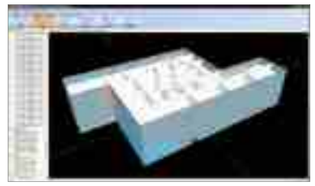
01 Draft Energy Estimation

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



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 saving for building standard or certification like LEED. LG HQ supports these programs for the project stages of Design Development and Construction Design wherein the overall designing is finished.



03 Model Selection

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



04 Design

LATS CAD
LATS CAD enables faster and more accurate 2D design of LG HVAC products. It also enables modules for quotation and installation review that minimize inherent problems appearing during installation.
※ AutoCAD program is required.



LATS REVIT
LATS REVIT is developed to make 3D design of LG HVAC products.
※ 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 of malfunction that could occur after construction.



06 Service & Maintenance

LGMV
LGMV offers real-time MULTI V cycle monitoring. During start-up, it's possible to check whether it is normal operation or not. 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 does not require regular manpower for maintenance.
- With diverse control systems, maintenance cost is minimized.

Reliability Guaranteed in Every Aspect
- Ultimate Inverter Compressor developed and manufactured in Korea.
- Corrosion resistant Black Fin II for harsh condition operations.
- 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
- Helps scoring LEED / BREEAM points.
- Renewable energy solution provided through geothermal application.

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

Smart Building Solutions
- Easy interlock with Building Management System.
- Wi-Fi control available for anytime anywhere (via 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 interlocked solutions.

Professional Designing 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 Comfort in HVAC Designing
- Flexible and Longer piping length eases HVAC designing process.
- Meets any type of customer requirements of diverse environment, design condition, and building applications.



Benefits for End-users

Operation Cost Saving
- High efficiency is assured through all capacity and lineup.
- Maximum 31% of cost saved through MULTI V 5 Smart Load Control.*

Comfortable Cooling & Heating
- Smart Load Control maximizes indoor comfort level.
- Dual sensing 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 restful 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



MULTI V series vitalizes the workspace with fresh air at all time, combined with its various indoor selection. The intelligent control solutions add comport to the space.

Residential Home is where your comfort is

Condominium & Apartments



Single Family House & Villa



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

Commercial Maximize business, minimize costs

Shopping Mall



Retail



QSR



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

※ CST : Cassette ※ PDI : Power Distribution Indicator

Hospitality Meeting diverse needs in every aspect



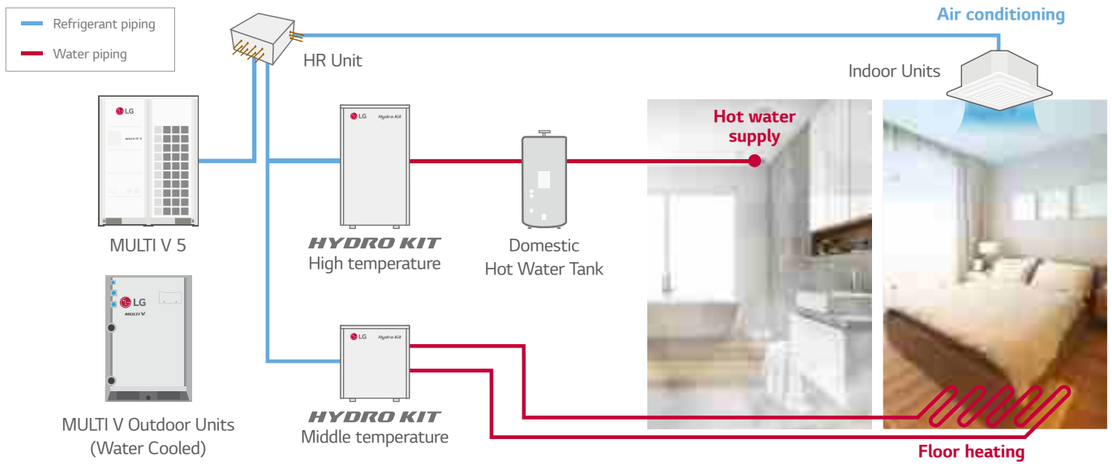
The diverse applications that can be applied to MULTI V 5 helps bring just the right solution to a sophisticated hotel business.

※ ESS : Energy Storage System ※ PV : Photovoltaics

DIVERSE INTEGRATED SOLUTION

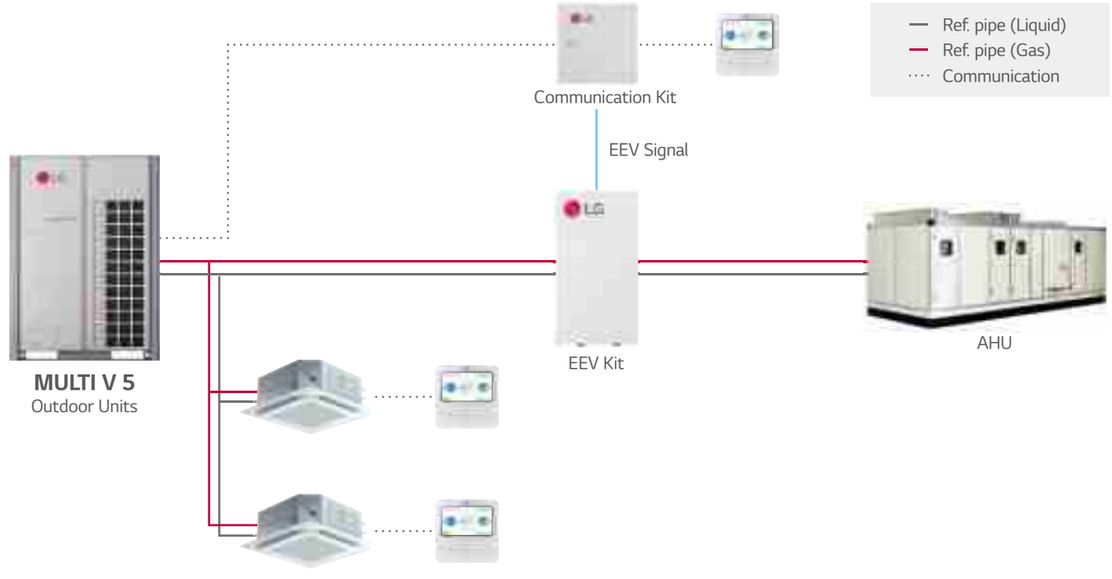
Hot Water Solution

In order to save costs of providing hot water, using heat pump system is advised as water heating by heat pump is highly efficient compared to a boiler system. The HYDRO KIT can be connected to MULTI V 5, and hot water temperatures up to 80°C can be provided. Also, energy savings can be increased when HYDRO KIT is combined with MULTI V 5 Heat Recovery.



Air Handling Unit (AHU) Solution

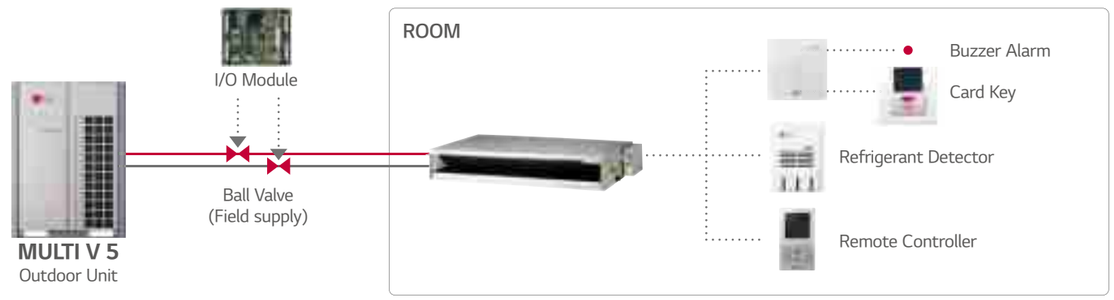
An AHU is a solution that can control all air conditioning factors in a large space. With an LG AHU Comm. Kit (for both return air / supply air control) connected to the DX coil of the AHU, LG VRF system can be applied to deliver conditioned air.



Refrigerant Leak Detection Solution

Real time refrigerant leak detection is needed for a safe environment. When the refrigerant concentration exceeds 6,000ppm for 5 seconds the indoor unit will stop operation and can also give an alarm using a buzzer or a light with the dry contact (Option). The central controller can also display an error signal.

※ When the solution for refrigerant leak detection is required, contact LG and discuss the requirement

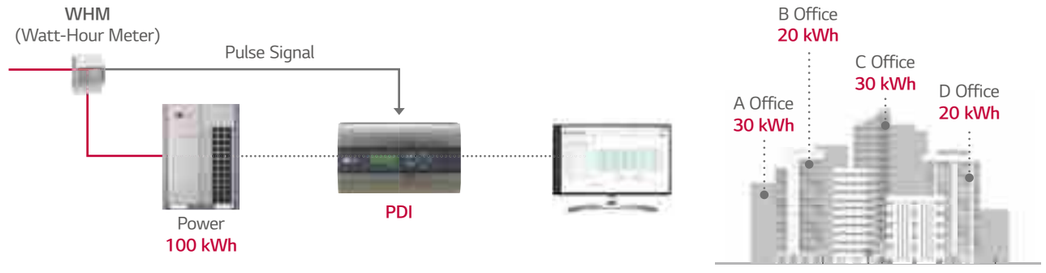


※ Regulation : EN378, BREEAM, ASHRAE Std. 15 & 34

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 on Any of Devices

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 of your devices.



Management Office
PC



Library
Tablet



Main Administration Building
Mobile

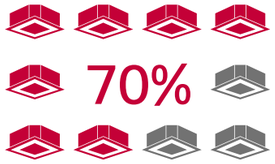
DIVERSE INTEGRATED SOLUTION

Energy Management Solution

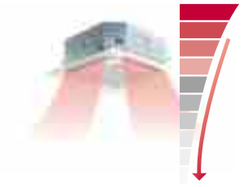
Since HVAC systems have a significant portion of any building's total amount of energy, the energy saving functions of a controller can make a big difference. The energy navigation function enables you to set target values for energy consumption over a certain period of time. In addition, to achieve 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.

Small - Medium size



- Max 16 IDU per Modbus RTU
- Up to 4 Modbus RTUs

Medium - Large size building



IDU ~64 : ACP LonWorks



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



IDU ~256 : ACP 5
(BACNet IP/Modbus TCP)

BMS Protocol

BACnet
Modbus
LonWorks

BMS System



SIEMENS Honeywell Johnson Controls

Interlocking Solution by Using ACS IO Module

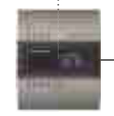
It is costly to introduce a BMS system to control multiple devices or systems in a small building. With the ACS IO module, various IO contact points (DI, DO, UI, AO) can be interlocked and integrated control is possible from the LG central controller. This enables an efficient management of lighting,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



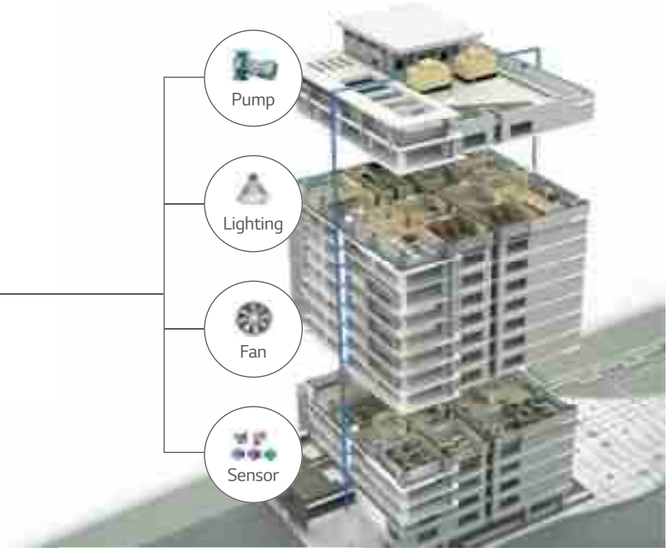
AC Smart (ACP)

Saving Engineering

Strengthen
Maintenance Efficiency



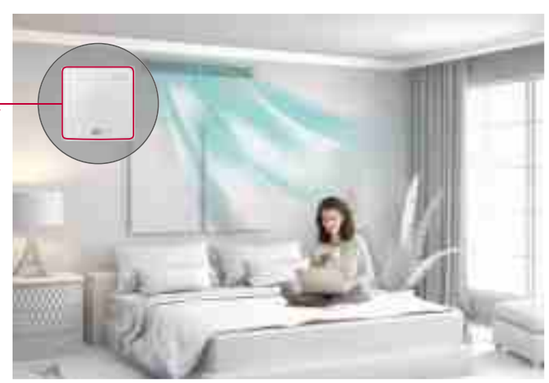
ACS IO Module



Interlocking Solution by 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 depending on situation. 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.







BECON CLOUD

BECON cloud Digital HVAC Management Solution

BECON cloud, which manages all areas from remote management to monitoring and maintenance, is able to monitor in real time anytime and anywhere, so it is easy to prevent malfunctions and offers optimal management solutions such as excellent energy saving, differentiated service and consulting.



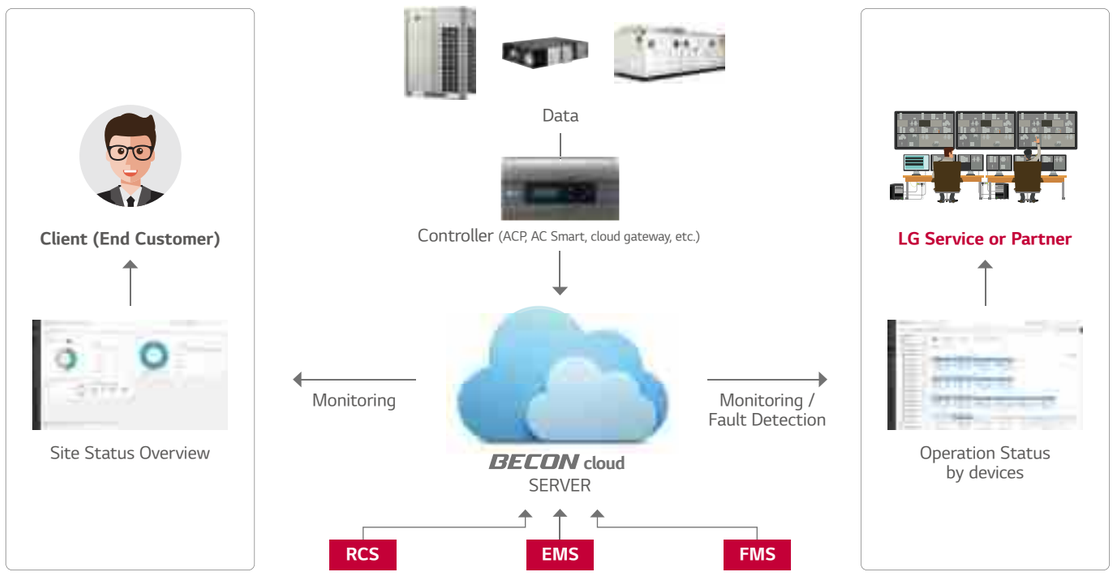
Dashboard
- Summary information
- Running / stopped device, device with errors, etc.

Status Monitoring
- Site temp., inflow/outflow temp., error information, etc.

History inquiry
- Control / error history
- Upgrade history, etc.

Report
- Report that can guide the optimal operating conditions

How it Works



* BECON cloud is a HVAC-specialized management system that covers core technology.

Composition of BECON cloud

BECON cloud specializers in total care of LG HVAC from the maintenance to energy solution and consists of three functions.

RCS (Remote Control System)

Real-time monitoring and control



Mobile · PC · Tablet PC

[APP + Web control]

EMS (Energy Management System)

User friendly saving modes



No Turning-off · EMS Consulting · Results Reports

FMS (Facility Maintenance System)

Proactive repair based on real-time diagnosis

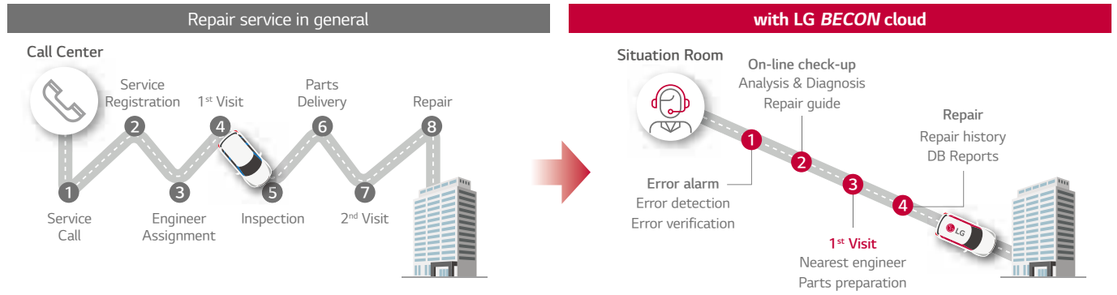


Remote Check-up · Group Management · Big-data Analysis

Key Benefits

Quick Repair

Enables quick site control through one security account and performs systematic management operations with hierarchical group management.



Security for Network & Privacy Information

BECON cloud is operating based on the cloud server provided by Microsoft and complies with international security standard. *BECON* cloud applies LG and Microsoft's security solutions and provides the stable services without any security issues.

OUTDOOR UNITS

- MULTI V 5
- MULTI V S

- MULTI V WATER 5



OUTDOOR UNITS LINE-UP

Unit : HP

Type	Features	Appearance	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	....	96	....	104
MULTI V 5	• Dual sensing control • Large capacity ODU (Up to 26HP) • Continuous Heating • Black Fin II heat exchanger • Ability to function as HP or HR • Flexible installation with heat recovery unit and large capacity • For large space, high rise building and individual control building					★●▲☆○△	★●▲☆○△	★●▲☆○△																																				
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MULTI V S	• 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		★☆	★																																								
			☆	☆	★☆	★☆	★☆	☆																																				
MULTI V S Heat Recovery					☆																																							
MULTI V WATER 5 Heat Recovery	• High efficiency system regardless external conditions • Indoor installation product • Quiet unit noise level (No fans) • For Water sourced system, High rise building and Aesthetic building • Cooling and heating at the same time • Minimizing energy cost by water sourced heat recovery system • For individual control building					☆	☆	☆	☆	☆	☆	☆																																		
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★ Tropical High Efficiency Model
● Tropical Standard Model
▲ Tropical Pro Model
☆ Non Tropical High Efficiency Model
○ Non Tropical Standard Model
△ Non Tropical Pro Model

BLACK FIN II HEAT EXCHANGER

LG's exclusive "Black Fin II" heat exchanger is specially designed for durable and long-lasting performance even in corrosive environments. The black coating is applied for protection from various corrosive external conditions and the hydrophilic film keeps water from accumulating on the heat exchanger's fin, minimizing moisture buildup. This improvement in durability prolongs the product's lifespan and lowers both the operational and maintenance costs.

Black Fin II

TROPICAL MODEL
HIGH EFFICIENCY, STANDARD, PRO

Non TROPICAL MODEL
HIGH EFFICIENCY, STANDARD, PRO



Heat Exchanger with Black Fin II for Corrosion Resistance

The black coating is applied for protection from various corrosive external conditions and the hydrophilic film keeps water from accumulating on the heat exchanger's fin, minimizing moisture buildup.

Hydrophilic Film (Water flow)
0.2 ~ 0.3㎛
The hydrophilic coating minimizes moisture buildup on the fin.

Epoxy Resin (Corrosion resistant)
1.6 ~ 2.0㎛
The black coating provides strong protection from corrosion.

Aluminum Fin

* Product is not fully treated for anti-corrosion to install near the sea, additional treatment must be required.

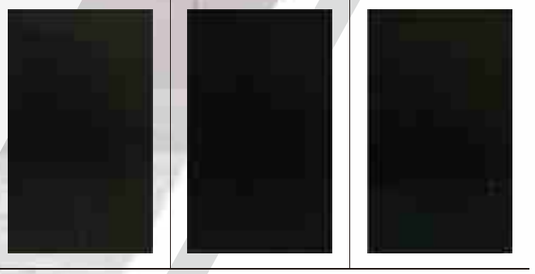
"Strong Durability Regardless of External Environment"



Corrosion Resistance Proven by Certified Tests

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

Condition of salt spray test

# of Trials	Test Period (10,000hr)		
	#1	#2	#3
Results	Not more than 0.02% of corrosion area ratio.		
Photos			

※ Based on In-House Testing
※ Test Conditions : Temp. : 20 ~ 60°C / Salt fog, Dry-off, Dwll, 100% Humidity / Avg. Spray Rate : 1.5±0.5 ml/hr

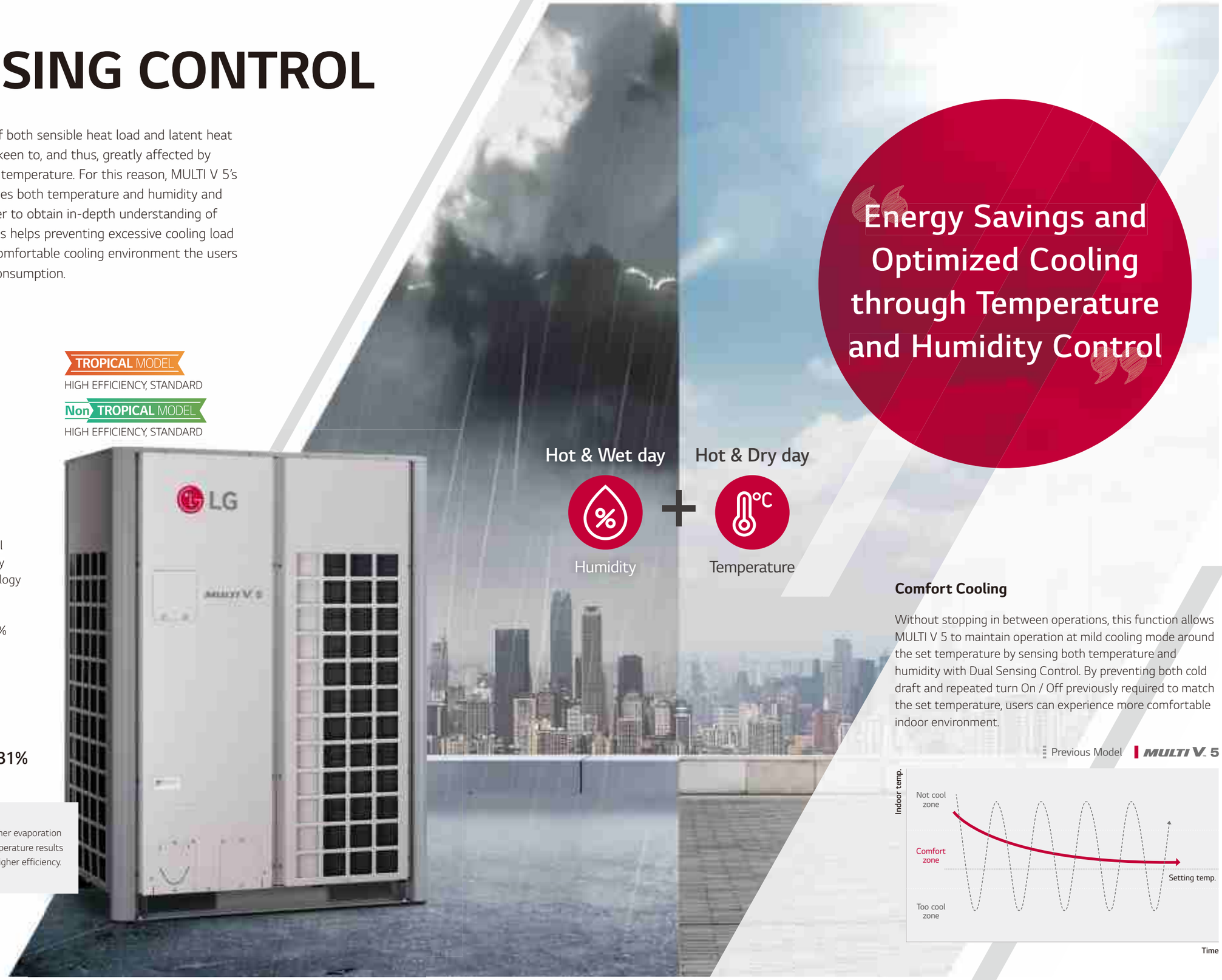
DUAL SENSING CONTROL

The cooling load is based on the amount of both sensible heat load and latent heat load. Most importantly, the cooling load is keen to, and thus, greatly affected by external humidity, rather than the outdoor temperature. For this reason, MULTI V 5's Dual Sensing Control applied function senses both temperature and humidity and applies sensed data for load control in order to obtain in-depth understanding of sensible heat load and latent heat load. This helps preventing excessive cooling load supply and offers the most pleasant and comfortable cooling environment the users want combined with reduction in energy consumption.

DUAL SENSING CONTROL

TROPICAL MODEL
HIGH EFFICIENCY, STANDARD

Non TROPICAL MODEL
HIGH EFFICIENCY, STANDARD



"Energy Savings and Optimized Cooling through Temperature and Humidity Control"

Smart Load Control (SLC)

Smart Load Control function enables comprehensive understanding of environmental conditions in order to optimize energy efficiency and maximize indoor comfort level. This technology allows active control of discharge refrigerant temperature which eventually increases the ESEER up to 21% for maximum 26 HP and 15% for average outdoor units in comparison to the previous models.

ESEER Up to 21%
(vs. standard mode at 26HP)

ESEER Up to 15% ~ ESEER Up to 31%
(High humidity) (Low humidity)

For low temperature, lower load and capacity are required. → Lower load and capacity need higher evaporation temperature. → Higher evaporation temperature results in higher efficiency.

Comfort Cooling

Without stopping in between operations, this function allows MULTI V 5 to maintain operation at mild cooling mode around the set temperature by sensing both temperature and humidity with Dual Sensing Control. By preventing both cold draft and repeated turn On / Off previously required to match the set temperature, users can experience more comfortable indoor environment.

Previous Model | MULTI V 5

BIOMIMETICS **TECHNOLOGY FAN**

Enhanced core parts like biomimetics technology-based fans, 4-sided heat exchanger as opposed to 3-sided heat exchanger of previous model and compressor with increased efficiency and capacity allow large capacity for outdoor units. A single unit of MULTI V 5 can provide up to 26HP.

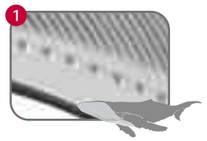
LARGE CAPACITY
WITH BIOMIMETICS TECH

TROPICAL MODEL
HIGH EFFICIENCY, STANDARD, PRO

Non **TROPICAL** MODEL
HIGH EFFICIENCY, STANDARD, PRO

Larger Capacity ODU with Biomimetics Technology Fan

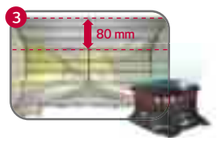




Humpback Whale Design
Inspired by the bumps on the humpback whale's flipper, the tubercles on the back side increased wind power by reducing flacking.



Clam Shell Pattern
Like the clam shell textures, the range difference created by moire pattern reduced noise level.



Increased Air Flow Rate
With extended shroud, discharged air current is stabilized and power consumption is reduced.



Maximum Capacity and Efficiency

Enhanced Performance with Newly Developed Fan

Based on the biomimetics 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%. 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.

ULTIMATE INVERTER **COMPRESSOR**

As the core technology of the air conditioning system, the Ultimate Inverter Compressor of MULTI V 5 boasts its ultimate efficiency and durability, designed based on the unique technology and innovation of LG HVAC.

UI ULTIMATE INVERTER COMPRESSOR

TROPICAL MODEL
HIGH EFFICIENCY, STANDARD

Non TROPICAL MODEL
HIGH EFFICIENCY, STANDARD



01. HiPOR™ (High Pressure Oil Return)

02. Smart Oil Management

03. Wide Operation Range from 10 to 165Hz

04. Enhanced Bearing with PEEK Material
- Up to 15% Operating time without oil supply
- Down to 3dB Noise Level (Max. Sound Pressure)

05. Vapor Injection
- 10% Improved Energy Efficiency

The Best Durability and Efficiency

HiPOR™ (High Pressure Oil Return)

Resolve compressor efficiency loss caused by oil return.

Smart Oil Management

Compressor reliability and efficiency are improved with an oil sensor that allows oil balancing and oil return.

CONTINUOUS HEATING

Improved technologies such as Dual Sensing Control, Partial Defrost and Smart Oil Management enhance Continuous Heating for increased heating capacity and indoor comfort. The delayed and partial defrost technologies minimize unnecessary operational consumption to provide consistent heating.

CONTINUOUS HEATING

DUAL SENSING CONTROL

Non TROPICAL MODEL
HIGH EFFICIENCY



> "Efficient even in Low-Temperature, High-Humidity Environments"

Delayed Defrost via Humidity Sensor of Dual Sensing Control

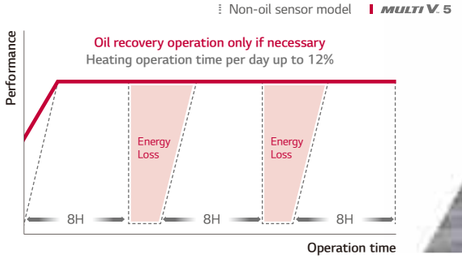
By controlling the evaporation temperature considering the humidity, heating operation time is improved.



※ Outside humunity sensing

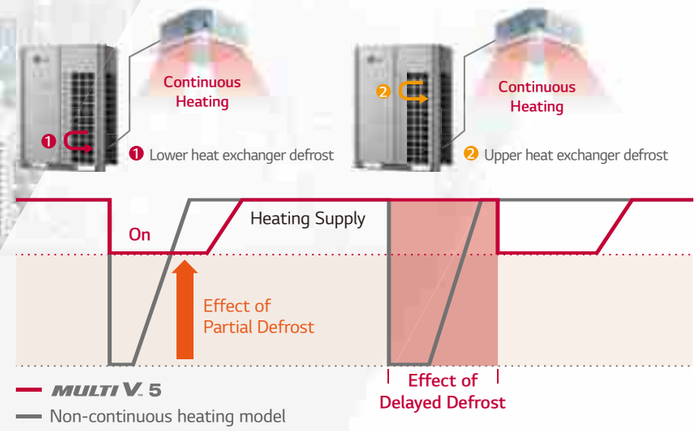
Smart Oil Management

Oil sensor of the Ultimate Inverter (UI) Compressor enables smart oil management to provide enhanced heating operation without periodic oil recovery operation.



Partial Defrost

Unlike the previous model that stopped heating operation for one-time defrost, MULTI V 5 partially defrosts the heat exchanger by dividing it to lower and upper parts in order to provide consistent heating for the indoor environment and improve heating capacity.



Heating Operation Time Per Day
Up to 11%

Power Input
Down to 7%

※ LG internal test result
※ Test condition : Outdoor 2/1°C, Indoor 20/15°C, Humidity 83%

AUTO DUST REMOVAL

This feature in MULTI V 5 removes dust on outdoor unit heat exchanger. The outdoor unit fan(s) rotate reversely to blow off the dust. Once the accumulated dust on the heat exchanger is removed, the fan(s) rotates normally and unit goes back to normal operation.

Auto Dust Removal

TROPICAL MODEL
HIGH EFFICIENCY, STANDARD, PRO

Non TROPICAL MODEL
HIGH EFFICIENCY, STANDARD, PRO

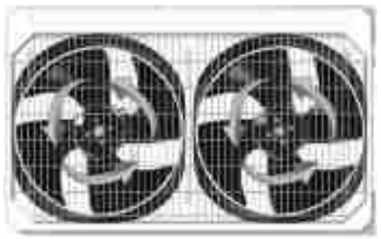


"Enhanced Stability from Environmental Constraints"

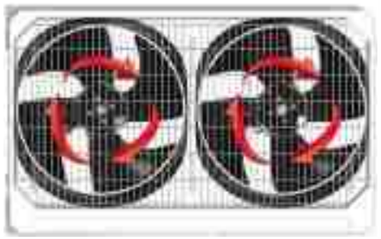
Technology Mechanism

Fan rotates reversely to run sand dust free operation.

Normal Operation



Auto Dust Removal



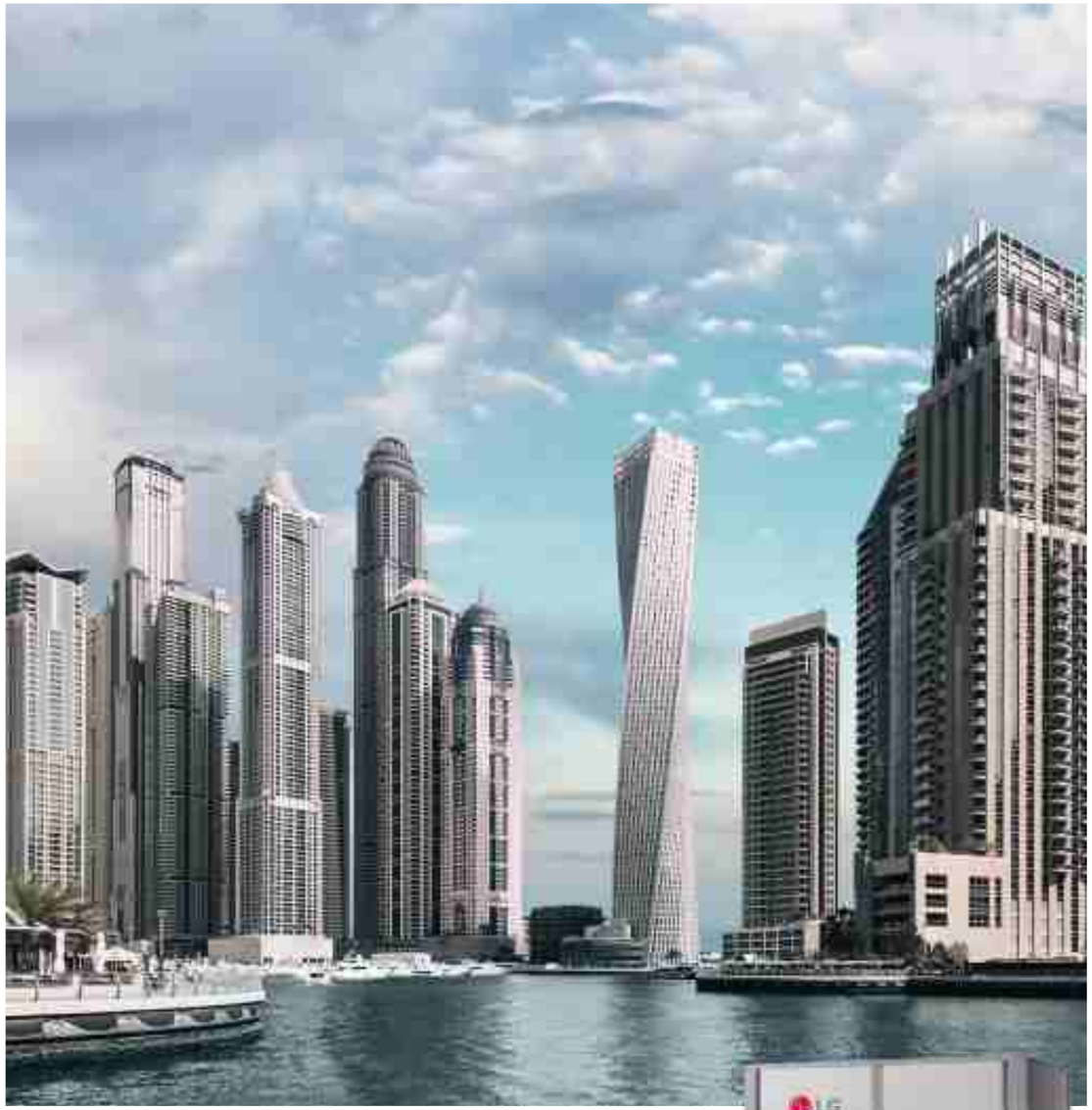
Performance Comparison

Normal Operation

Stops for a Long Time ▶ Normal Operation

Auto Dust Removal

Stops for a Long Time ▶ **Auto Dust Removal** ▶ Normal Operation



Optimized for Medium and Large Buildings

MULTI V™ 5

Customer Benefits

- Reduced costs through energy efficiency
- Compatibility with various installation environments
- Strong durability
- Fast and easy installation
- Linkage with various indoor units
- Humidity detection
- Air purification
- Smart management
- Space efficiency



ACTIVE REFRIGERANT CONTROL

Stable Operation & Sustaining Most Efficient Operation



Part Load Efficiency **10%**

Heating Efficiency **3%**

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.

VARIABLE PATH HEAT EXCHANGER

Optimized System Efficiency & Continuous Heating

Full Load Cooling



- Upper & Lower active
- Series circuited
- High velocity refrigerant flow

Heating - All Conditions

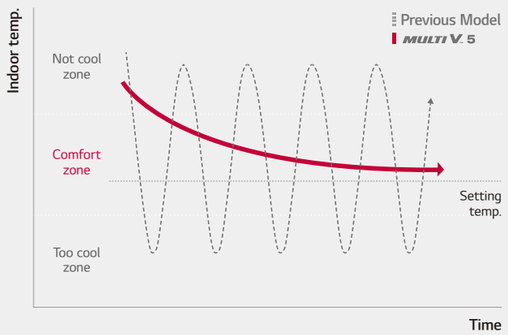


- Upper & Lower active
- Parallel circuited
- Low velocity refrigerant flow

MULTI V 5 outdoor units are manufactured with horizontally split ODU coil consisting of two independently circuited sections. Each half the coil is independently controlled. This split coil feature makes it possible for MULTI V 5 to provide continuous heating during defrost.

COMFORT COOLING

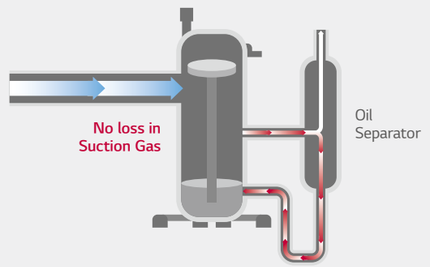
Increased Indoor Comfort & Enhanced Operating Efficiency



MULTI V 5's comfort control algorithm monitors the outdoor air temperature and humidity conditions. When changing weather conditions are favorable to raising target superheat, target superheat is moderated.

HiPOR™

Maximized Reliability & Efficiency of Compressor

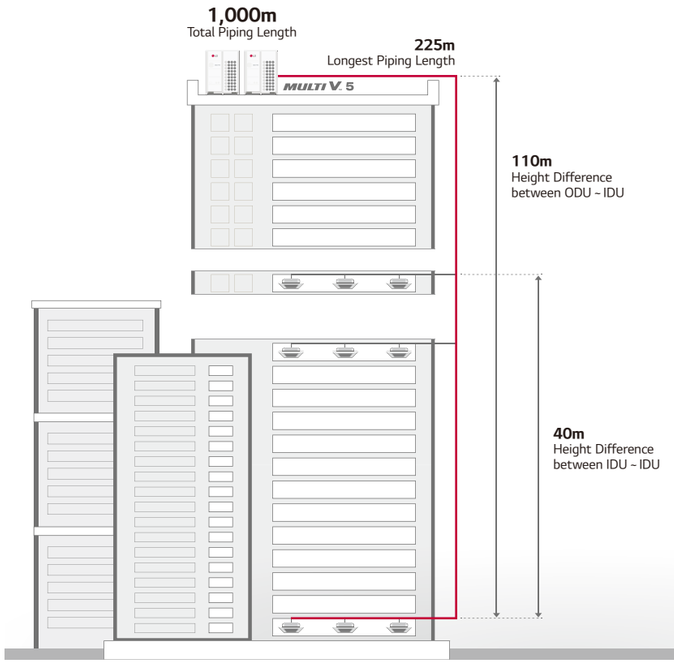


Efficiency Increase Up to 33%

HiPOR™ technology enables oil to return directly into the compressor, instead of returning through the refrigerant suction pipe. This does not waist energy when oil flows between the separator and the compressor.

MULTI V 5

Piping Length



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

Active Refrigerant Control

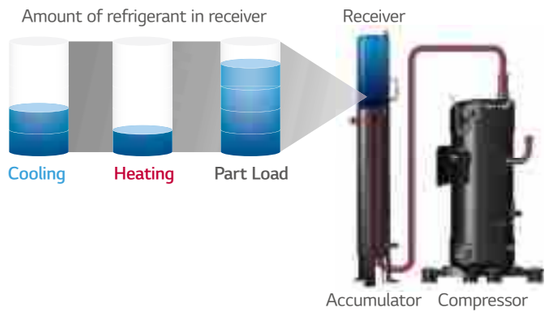
Stable operation & Sustaining most efficient operation

The accumulator in the outdoor unit has a storage tank mounted inside accumulator 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.

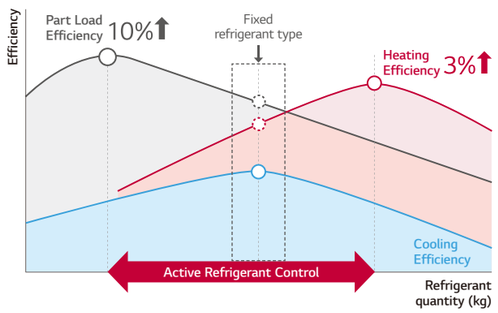
What are the benefits?

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

Technology mechanism



Efficiency performance



Variable Path Heat Exchanger

Optimized system efficiency & Continuous heating

MULTI V 5 outdoor units are manufactured with horizontally split ODU coil consisting of two independently circuited sections. Each half the coil is independently controlled. This split coil feature makes it possible for MULTI V 5 to provide continuous heating during defrost. The coil circuiting and valve arrangement also makes it possible for the MULTI V 5 controller 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 irrelevant of operating modes as ambient weather conditions change.
Customizes the area of outdoor units heat transfer surface in use dynamically.



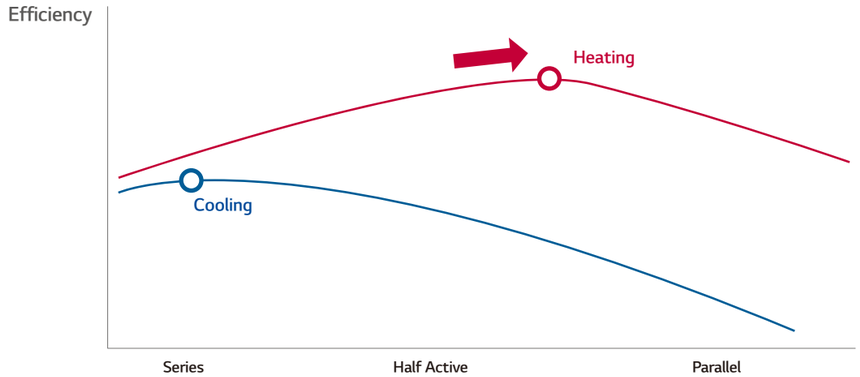
Low ambient cooling and / or light building load
- Half active
- Lower idle



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



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



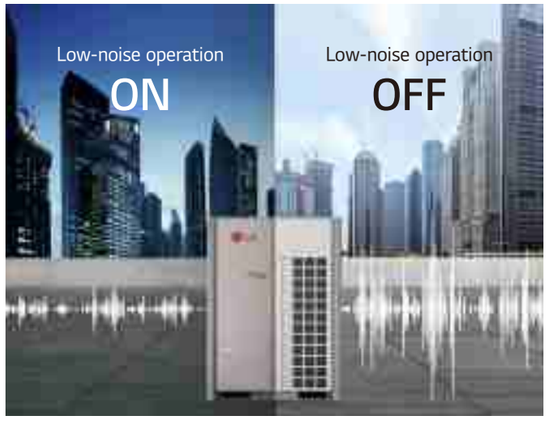
MULTI V 5

Low-Noise Operation

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.

Automatic

Noise automatically adjusted



Manual

Choose preferred settings with remote based on noise conditions



※ Indoor set up available with Standard III Remote Controller.

Flexible Installation Space with Large Capacity Outdoor Units

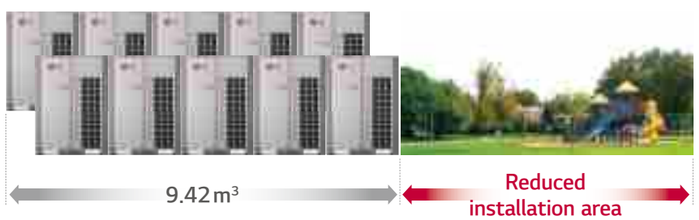
Large capacity outdoor units of MULTI V 5 minimizes installation space that spares valuable floor space and significantly decreases total installed weights. This allows users the flexible design potential and better use of the saved space.

Comparison on installation space

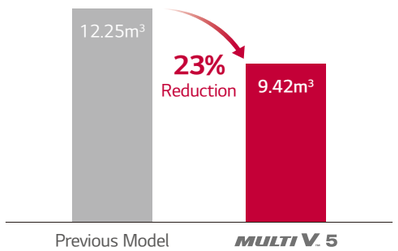
Previous Model



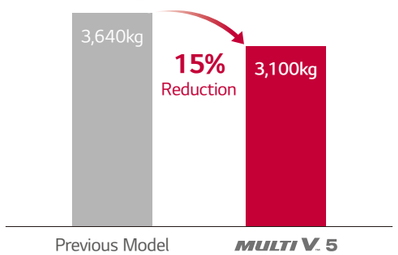
MULTI V 5



Installation space area comparison



Product weight comparison



Dual Sensing SLC (Smart Load Control)

Enhanced energy saving & Increased indoor comfort

Cooling loads vary according to both temperature and humidity. With Dual sensing SLC, the proper amount of work can be exerted to meet the load not only depending on current temperature, but also on humidity. As a result, less work will be needed at the same temperature when humidity is lower. 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 monitors two inputs

1) Outdoor ambient dry bulb temperature 2) Relative humidity

What are the benefits?

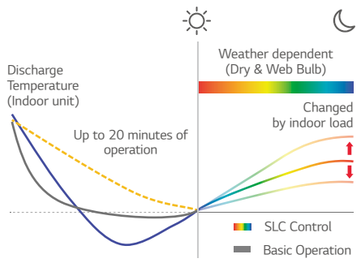
Enhanced energy savings

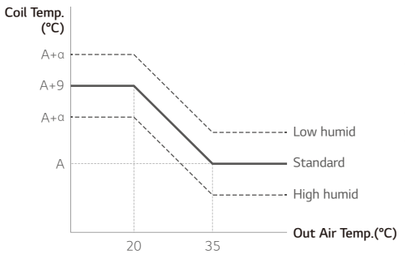
- Cooling Mode : By raising the target low pressure during off-peak cooling operation, the compressor lift is reduced. This slows compressor's speed which leads to a decrease in compressor's power consumption.
- Heating Mode : By lowering the target high pressure during off-peak heating operation, the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

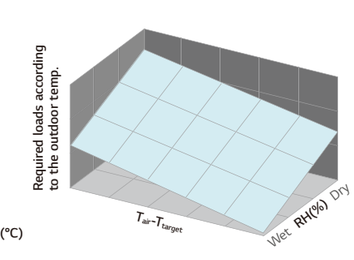
Increased indoor comfort

This function allows MULTI V 5 to maintain operation at mild cooling mode around the set temperature with adjusting compressor's speed by sensing both temperature and humidity.

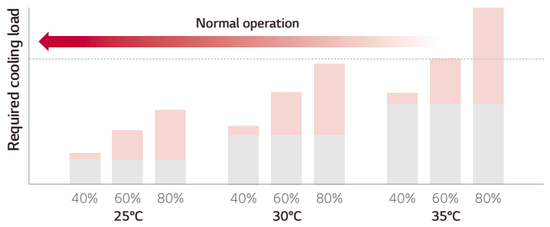
SLC (Smart Load Control)



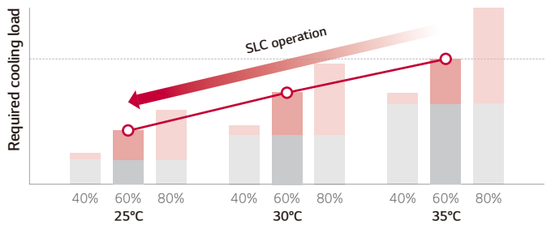




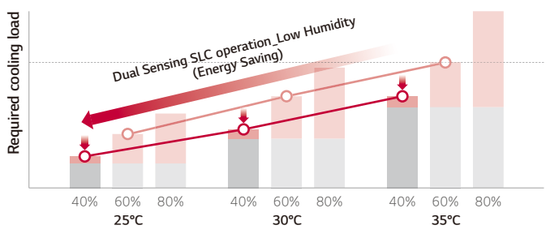
Normal operating mode



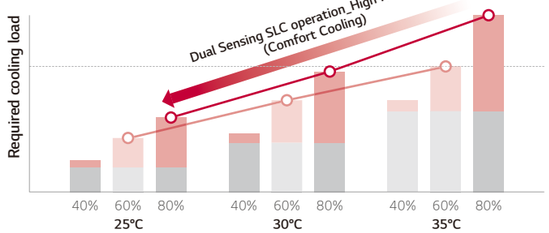
SLC operating mode



SLC operating mode - Low Humidity



SLC operating mode - High Humidity



MULTI V 5

Comfort Cooling

Increased indoor comfort & Enhanced operating efficiency

When the IDU is operating in a season when its load is less than design, the comfort cooling algorithm moderates the indoor unit's coil superheat, thus raising the leaving 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?

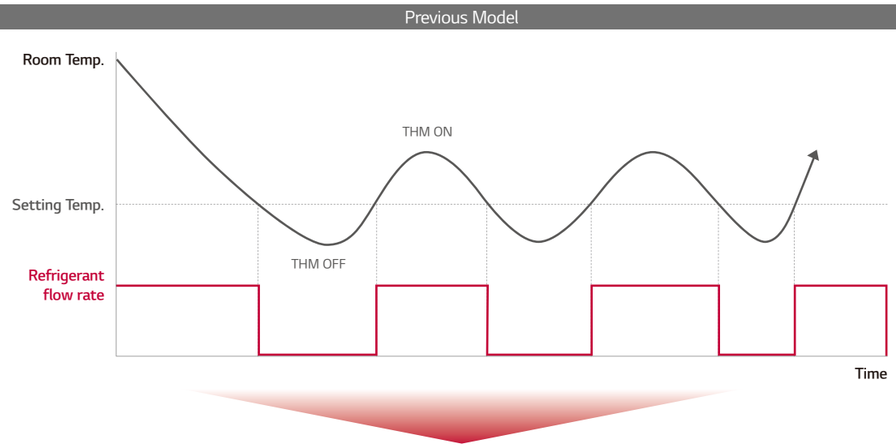
Increased indoor comfort

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 leaving air temperature is moderated. 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.

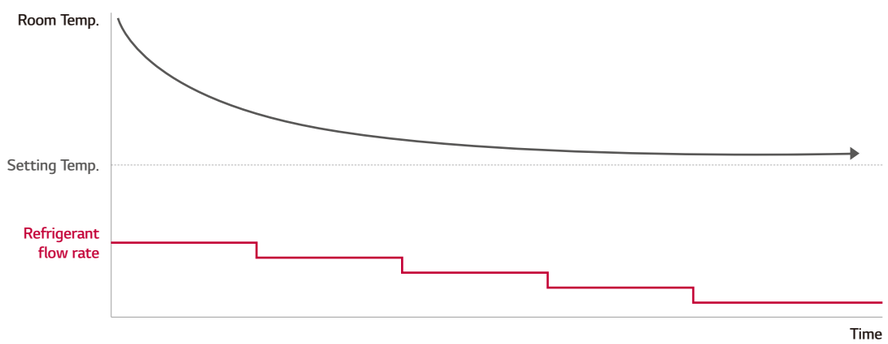
Enhanced operating efficiency

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.

Previous Model



MULTI V 5



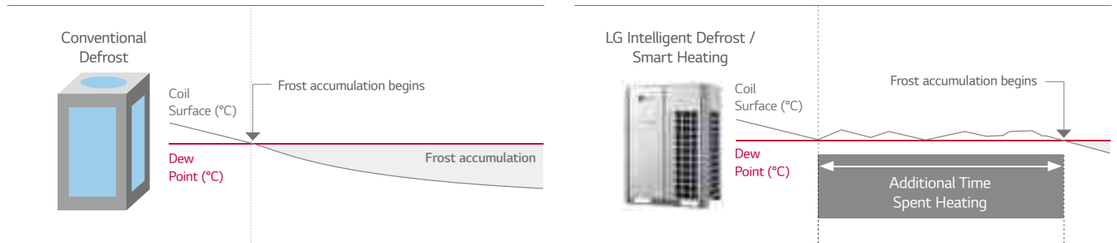
Intelligent Defrost

Increased heating run-hours

MULTI V 5 provides the same user selected defrost mode and method provided by LG's Intelligent Defrost 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 winter operation. MULTI V 5 makes continuous adjustments to the refrigeration cycle 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 operating parameters can be adjusted no further without sacrificing heating comfort, further adjustment is stopped and frost is allowed to build on the coil.

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

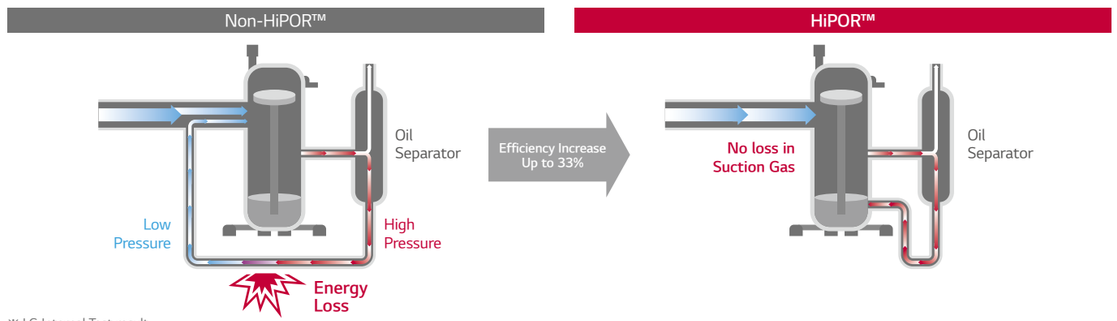
HiPOR™

Maximized reliability & Efficiency of compressor

HiPOR™ is a trademark for LG's High Performance Oil Return apparatus. 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 does not waste energy 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

MULTI V 5

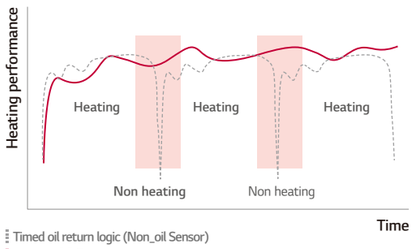
Smart Oil Management

Energy saving, Enhanced heating & Increased compressor reliability

MULTI V 5 performs oil return on an as needed basis 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 hamper 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?

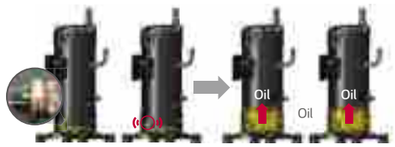
Energy savings compared with other systems. Fewer oil return cycles eliminates unnecessary energy consumption.
Increases system heating run-time during winter operation. Increases compressor reliability.



Timed oil return logic (Non_oil Sensor)
MULTI V. 5

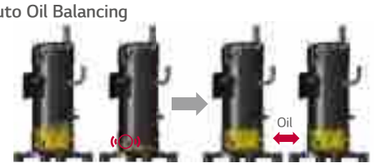
※ Increased heating operation time per day : Up to 12%
- LG Internal Test result
- Test condition
  - without oil level sensor : every 8hour oil recovery operation
  - with oil level sensor : non oil recovery operation

Smart Oil Return



Oil Level Sensor

Auto Oil Balancing



Oil Level Sensor

Vapor Injection

Increased heating performance

During low ambient operation down to -25°C, 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.

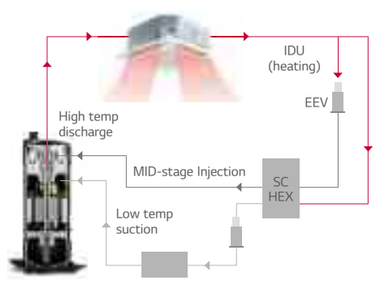
What are the benefits?

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.

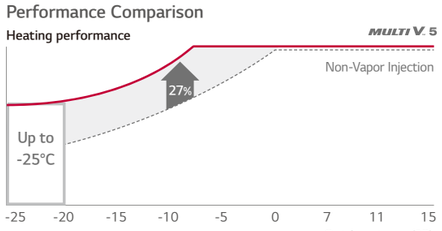
Technology Mechanism



Mid-pressure
(Vapor injection port)



Performance Comparison



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

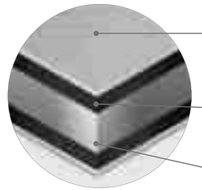
Black Fin II

Improved durability

The black coating with enhanced epoxy resin is applied for strong protection from various corrosive external conditions such as salt contamination and air pollution including fumes from factories. 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 accelerated corrosion test conducted by an independent test organization and the result has been certified by prestigious global certification organization, TUV (TUV Rheinland).

What are the benefits?

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



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

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

Aluminum fin





Condition of salt spray test

Temperature	35°C
Mist of 5% NaCl (Mass fraction) solution	

Condition of gas exposure test

Temp.	Relative Humidity	Gas Volume Fraction	
		NO_2	SO_2
25°C	95%	10×10^{-6}	5×10^{-6}

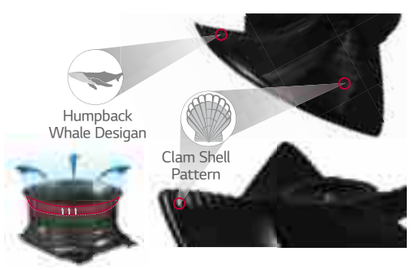
Biomimetic Fan

Maximized performance

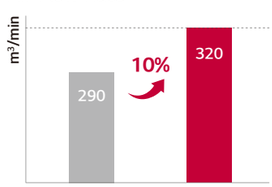
MULTI V 5 outdoor units fans have been upgraded. The moire pattern from external texture of clam shells has been applied on fans to create the range difference that results in reduction of noise level. At the same time, unlike the fans installed in previous products that generate separation of flow due 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.

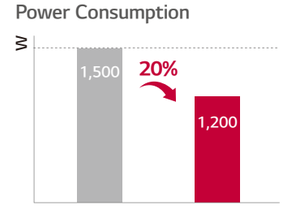


Air Flow Rate



※ Comparison based on 20HP model.

Power Consumption



※ Comparison based on air volume of 290m³/min.

MULTI V 5

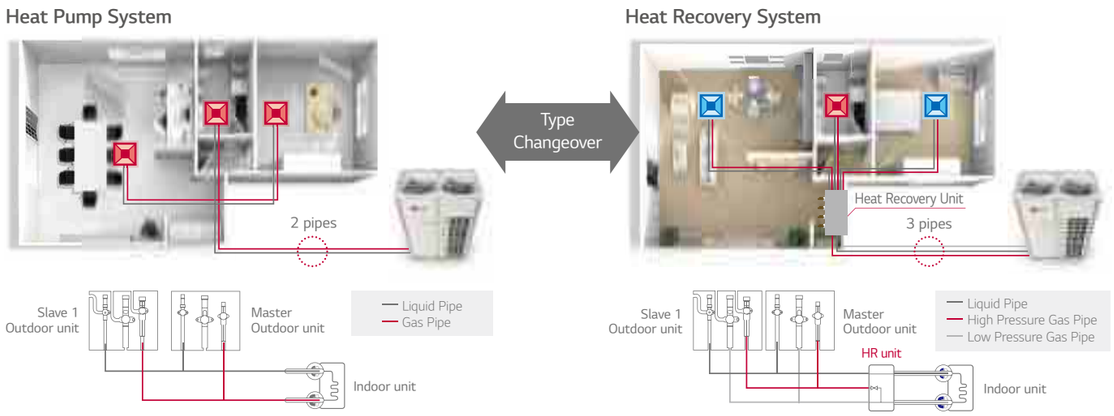
One Unified Model

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 radiator. By providing suitable solutions that cater to any building types and their requirements, MULTI V 5 offers the best HVAC system.

What are the benefits?

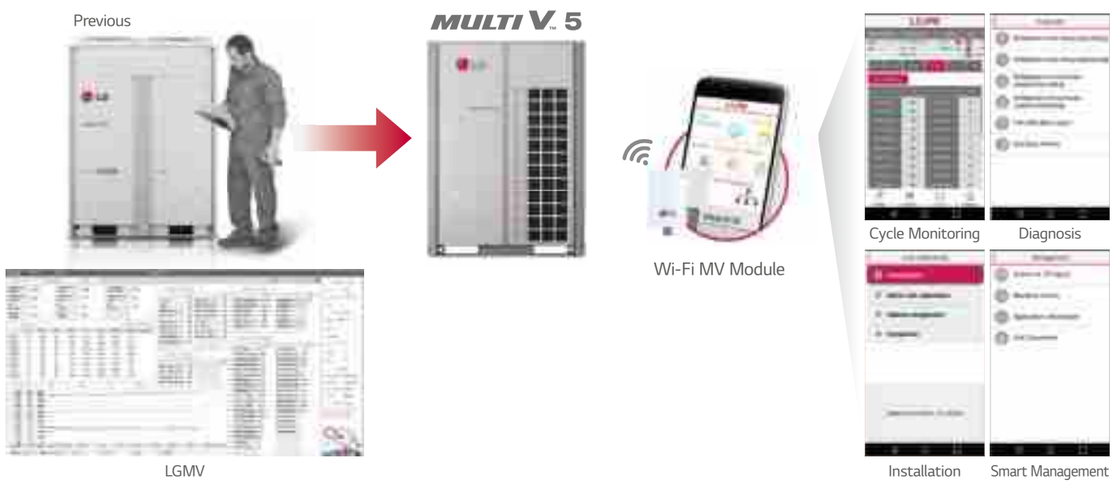
MULTI V 5 allows the building previously installed with heat pump system to switch to the heat recovery system for changing purpose of the building or remodeling reasons via simple piping construction.



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.

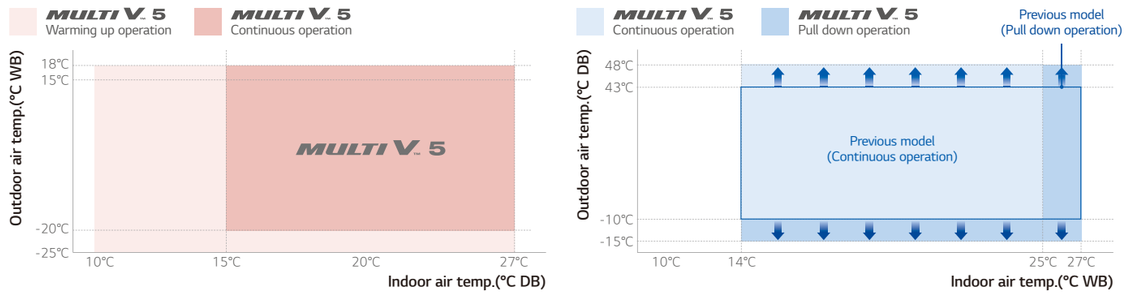


Wider Operation Range

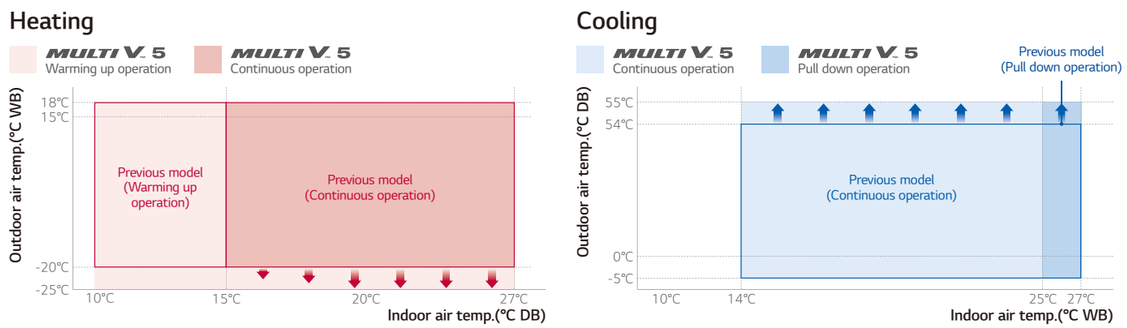
Able to operate at extreme conditions

With enhanced inverter compressor and control technology coming from improved inverter cooling technology, sub-cooling and vapor injection, MULTI V 5 extended range of cooling and heating operations. For heating, it can operate at as low as -25°C to perform properly even at very cold environment. It is improved perfectly to fully function at extreme conditions such as performing cooling operation at -15°C, making the product adequate for uses in specialized venues 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.

Non TROPICAL MODEL



TROPICAL MODEL



※ If it is not Tropical Model, please refer to the product spec sheet.

Multi V Series Components & Function

Multi V 5			TROPICAL MODEL				Non TROPICAL MODEL		
			HIGH EFFICIENCY	STANDARD		PRO	HIGH EFFICIENCY	STANDARD	PRO
	Line up	HP	8~20	8~10	12~22	8~22	8~26	8~26	8~26
Components & Function	Heat Exchanger		Black Fin II	Black Fin II		Black Fin II	Black Fin II	Black Fin II	Black Fin II
	Compressor		All Inverter	All Inverter		All Inverter	All Inverter	All Inverter	All Inverter
	ODU Humidity Sensor		O	O	O	X	O	O	X
	Refrigerant Cooling for INV Driver		O	O	O	O	O	O	O
	Vapor Injection		O	X	O	X	O	O	X
	Active Refrigerant Control		O	X	O	X	O	O	X
	Smart Oil Control (Oil Level Sensor)		O	O	O	O	O	O	O
	HiPOR		O	X	O	X	O	O	X
	Continuous Heating		X	X	X	X	O	X	X
	Dual Sensing SLC		O	O	O	O (Optional) *	O	O	O (Optional) *
	Comfort Cooling		O	O	O	O	O	O	O
	Auto Dust Removal		O	O	O	O	O	O	O
	Refrigerant Detection (Option)		O	O	O	O	O	O	O

* with RS3 R/Controller (PREMTB100 or PREMTBB10)

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN080LEH5 / ARUN100LEH5 / ARUN120LEH5



HP			8	10	12
Model Name	Combination Unit		ARUN080LEH5	ARUN100LEH5	ARUN120LEH5
	Independent Unit		ARUN080LEH5	ARUN100LEH5	ARUN120LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	22.4	28.0	33.6
		Btu/h	76,400	95,500	114,600
	**Cooling - T3 46°C	kW	20.2	25.5	33.0
		Btu/h	68,800	87,000	112,600
	Heating	kW	25.2	31.5	37.8
		Btu/h	86,000	107,500	129,000
Input (Rated)	*Cooling - T1 35°C	kW	4.52	5.58	7.53
	**Cooling - T3 46°C	kW	6.20	7.75	9.60
	Heating	kW	4.88	5.68	7.58
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	16.9	17.1	15.2
	**Cooling - T3 46°C	Btu/Watt·h	11.1	11.2	11.7
	Heating	Btu/Watt·h	17.6	18.9	17.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.96	5.02	4.46
	**Cooling - T3 46°C	W/W	3.25	3.29	3.44
	Heating	W/W	5.16	5.55	4.99
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1	5,300 × 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	1,200 × 1	1,200 × 1	900 × 2
	Air Flow Rate (High)	m^3/min	240 × 1	240 × 1	320 × 1
		ft^3/min	8,476 × 1	8,476 × 1	11,301 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm	(930 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760)×1
		inch	(36-5/8 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	188 × 1	188 × 1	220 × 1
		lbs	414 × 1	414 × 1	485 × 1
Sound Pressure Level	Cooling / Heating	dB(A)	58.0 / 59.0	58.0 / 59.0	59.0 / 60.0
Sound Power Level	Cooling / Heating	dB(A)	77.0 / 78.0	78.0 / 79.0	79.0 / 80.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	10.0	10.0	13.0
		lbs	22.0	22.0	28.7
	t-CO_2eq		20.9	20.9	27.1
	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
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			13	16	20

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

HIGH EFFICIENCY

ARUN140LEH5 / ARUN160LEH5 / ARUN180LEH5



HP			14	16	18
Model Name	Combination Unit		ARUN140LEH5	ARUN160LEH5	ARUN180LEH5
	Independent Unit		ARUN140LEH5	ARUN160LEH5	ARUN180LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	39.2	44.8	50.4
		Btu/h	133,800	152,900	172,000
	**Cooling - T3 46°C	kW	38.8	40.3	45.4
		Btu/h	132,400	137,600	154,900
	Heating	kW	43.9	50.0	56.7
		Btu/h	149,900	170,600	193,500
Input (Rated)	*Cooling - T1 35°C	kW	9.10	9.87	10.72
	**Cooling - T3 46°C	kW	11.78	12.80	13.91
	Heating	kW	9.69	10.30	13.34
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.7	15.5	16.0
	**Cooling - T3 46°C	Btu/Watt·h	11.2	10.8	11.1
	Heating	Btu/Watt·h	15.5	16.6	14.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.31	4.54	4.70
	**Cooling - T3 46°C	W/W	3.29	3.15	3.26
	Heating	W/W	4.53	4.85	4.25
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1 + 4,200 × 1	5,300 × 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m^3/min	320 × 1	320 × 1	320 × 1
		ft^3/min	11,301 × 1	11,301 × 1	11,301 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	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	(1,240 × 1,690 × 760)×1	(1,240 × 1,690 × 760)×1	(1,240 × 1,690 × 760)×1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	220 × 1	260 × 1	274 × 1
		lbs	485 × 1	573 × 1	604 × 1
Sound Pressure Level	Cooling / Heating	dB(A)	60.0 / 61.0	60.5 / 61.5	61.0 / 62.0
Sound Power Level	Cooling / Heating	dB(A)	82.0 / 84.0	83.0 / 85.0	85.0 / 86.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0	12.0	14.0
		lbs	28.7	26.5	30.9
	t-CO_2eq		27.1	25.1	29.2
	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
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			23	26	29

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN200LEH5 / ARUN220LEH5 / ARUN240LEH5



HP			20	22	24
Model Name	Combination Unit		ARUN200LEH5	ARUN220LEH5	ARUN240LEH5
	Independent Unit		ARUN200LEH5	ARUN120LEH5 ARUN100LEH5	ARUN140LEH5 ARUN100LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	56.0	61.6	67.2
		Btu/h	191,100	210,200	229,300
	**Cooling - T3 46°C	kW	49.0	58.5	64.3
		Btu/h	167,200	199,600	219,400
	Heating	kW	63.0	69.3	75.4
		Btu/h	215,000	236,500	257,300
Input (Rated)	*Cooling - T1 35°C	kW	12.50	13.11	14.68
	**Cooling - T3 46°C	kW	15.77	17.35	19.53
	Heating	kW	15.52	13.26	15.37
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.3	16.0	15.6
	**Cooling - T3 46°C	Btu/Watt·h	10.6	11.5	11.2
	Heating	Btu/Watt·h	13.9	17.8	16.7
COP (Rated)	*Cooling - T1 35°C	W/W	4.48	4.70	4.58
	**Cooling - T3 46°C	W/W	3.11	3.37	3.29
	Heating	W/W	4.06	5.23	4.91
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	320 × 1	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
		ft^3/min	11,301 × 1	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	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)	34.9 (1-3/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760)×1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	274 × 1	(220 × 1) + (188 × 1)	(220 × 1) + (188 × 1)
		lbs	604 × 1	(485 × 1) + (414 × 1)	(485 × 1) + (414 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.0 / 64.5	61.5 / 62.5	62.1 / 63.1
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 87.0	81.5 / 82.5	83.5 / 85.2
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0	10.0 + 13.0	10.0 + 13.0
		lbs	30.9	22.0 + 28.7	22.0 + 28.7
	t-CO_2eq		29.2	48.0	48.0
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			32	35	39

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

HIGH EFFICIENCY

ARUN260LEH5 / ARUN280LEH5 / ARUN300LEH5



HP			26	28	30
Model Name	Combination Unit		ARUN260LEH5	ARUN280LEH5	ARUN300LEH5
	Independent Unit		ARUN140LEH5 ARUN120LEH5	ARUN140LEH5 ARUN140LEH5	ARUN160LEH5 ARUN140LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	72.8	78.4	84.0
		Btu/h	248,400	267,500	286,600
	**Cooling - T3 46°C	kW	71.8	77.6	79.1
		Btu/h	245,000	264,800	270,000
	Heating	kW	81.7	87.8	93.9
		Btu/h	278,800	299,700	320,500
Input (Rated)	*Cooling - T1 35°C	kW	16.63	18.20	18.97
	**Cooling - T3 46°C	kW	21.38	23.56	24.58
	Heating	kW	17.27	19.38	19.99
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.9	14.7	15.1
	**Cooling - T3 46°C	Btu/Watt·h	11.5	11.2	11.0
	Heating	Btu/Watt·h	16.1	15.5	16.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.38	4.31	4.43
	**Cooling - T3 46°C	W/W	3.36	3.29	3.22
	Heating	W/W	4.73	4.53	4.70
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2	(5,300 × 2) + (4,200 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 2
		ft^3/min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	220 × 2	220 × 2	(260 × 1) + (220 × 1)
		lbs	485 × 2	485 × 2	(573 × 1) + (485 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.5 / 63.5	63.0 / 64.0	63.3 / 64.3
Sound Power Level	Cooling / Heating	dB(A)	83.8 / 85.5	85.0 / 87.0	85.5 / 87.5
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 13.0	13.0+ 13.0	12.0 + 13.0
		lbs	28.7 + 28.7	28.7 + 28.7	26.5 + 28.7
	t-CO_2eq		54.3	54.3	52.2
	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
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			42	45	49

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN320LEH5 / ARUN340LEH5 / ARUN360LEH5



HP			32	34	36
Model Name	Combination Unit		ARUN320LEH5	ARUN340LEH5	ARUN360LEH5
	Independent Unit		ARUN180LEH5 ARUN140LEH5	ARUN200LEH5 ARUN140LEH5	ARUN200LEH5 ARUN160LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	89.6	95.2	100.8
		Btu/h	305,700	324,800	343,900
	**Cooling - T3 46°C	kW	84.2	87.8	89.3
		Btu/h	287,300	299,600	304,800
	Heating	kW	100.6	106.9	113.0
		Btu/h	343,300	364,800	385,600
Input (Rated)	*Cooling - T1 35°C	kW	19.82	21.60	22.37
	**Cooling - T3 46°C	kW	25.69	27.55	28.57
	Heating	kW	23.03	25.21	25.82
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.4	15.0	15.4
	**Cooling - T3 46°C	Btu/Watt·h	11.2	10.9	10.7
	Heating	Btu/Watt·h	14.9	14.5	14.9
COP (Rated)	*Cooling - T1 35°C	W/W	4.52	4.41	4.51
	**Cooling - T3 46°C	W/W	3.28	3.19	3.13
	Heating	W/W	4.37	4.24	4.38
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 3	5,300 × 3	(5,300 × 3) + (4,200 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 2
		ft^3/min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(274 × 1) + (220 × 1)	(274 × 1) + (220 × 1)	(274 × 1) + (260 × 1)
		lbs	(604 × 1) + (485 × 1)	(604 × 1) + (485 × 1)	(604 × 1) + (573 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	63.5 / 64.5	64.1 / 66.1	64.3 / 66.3
Sound Power Level	Cooling / Heating	dB(A)	86.8 / 88.1	87.5 / 88.8	87.8 / 89.1
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 13.0	14.0 + 13.0	14.0 + 12.0
		lbs	30.9 + 28.7	30.9 + 28.7	30.9 + 26.5
	t-CO_2eq		56.4	56.4	54.3
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			52	55	58

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

HIGH EFFICIENCY

ARUN380LEH5 / ARUN400LEH5 / ARUN420LEH5



HP			38	40	42
Model Name	Combination Unit		ARUN380LEH5	ARUN400LEH5	ARUN420LEH5
	Independent Unit		ARUN200LEH5 ARUN180LEH5	ARUN200LEH5 ARUN200LEH5	ARUN140LEH5 ARUN140LEH5 ARUN140LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	106.4	112.0	117.6
		Btu/h	363,000	382,100	401,300
	**Cooling - T3 46°C	kW	94.4	98.0	116.4
		Btu/h	322,100	334,400	397,200
	Heating	kW	119.7	126.0	131.8
		Btu/h	408,400	429,900	449,600
Input (Rated)	*Cooling - T1 35°C	kW	23.22	25.00	27.30
	**Cooling - T3 46°C	kW	29.68	31.54	35.34
	Heating	kW	28.86	31.04	29.07
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.6	15.3	14.7
	**Cooling - T3 46°C	Btu/Watt·h	10.9	10.6	11.2
	Heating	Btu/Watt·h	14.2	13.8	15.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.58	4.48	4.31
	**Cooling - T3 46°C	W/W	3.18	3.11	3.29
	Heating	W/W	4.15	4.06	4.53
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 4	5,300 × 4	5,300 × 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D(PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 3
		ft^3/min	11,301 × 2	11,301 × 2	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	274 × 2	274 × 2	220 × 3
		lbs	604 × 2	604 × 2	485 × 3
Sound Pressure Level	Cooling / Heating	dB(A)	64.5 / 66.4	65.0 / 67.5	64.8 / 65.8
Sound Power Level	Cooling / Heating	dB(A)	88.5 / 89.5	89.0 / 90.0	86.8 / 88.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0	14.0 + 14.0	13.0 + 13.0 + 13.0
		lbs	30.9 + 30.9	30.9 + 30.9	28.7 + 28.7 + 28.7
	t-CO_2eq		58.5	58.5	81.4
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			61	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN440LEH5 / ARUN460LEH5 / ARUN480LEH5



HP			44	46	48
Model Name	Combination Unit		ARUN440LEH5	ARUN460LEH5	ARUN480LEH5
	Independent Unit		ARUN160LEH5 ARUN140LEH5 ARUN140LEH5	ARUN180LEH5 ARUN140LEH5 ARUN140LEH5	ARUN200LEH5 ARUN140LEH5 ARUN140LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	123.2	128.8	134.4
		Btu/h	420,400	439,500	458,600
	**Cooling - T3 46°C	kW	117.9	123.0	126.6
		Btu/h	402,300	419,700	432,000
	Heating	kW	137.8	144.5	150.8
		Btu/h	470,300	493,200	514,700
Input (Rated)	*Cooling - T1 35°C	kW	28.07	28.92	30.70
	**Cooling - T3 46°C	kW	36.36	37.47	39.33
	Heating	kW	29.68	32.72	34.90
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.0	15.2	14.9
	**Cooling - T3 46°C	Btu/Watt·h	11.1	11.2	11.0
	Heating	Btu/Watt·h	15.8	15.1	14.7
COP (Rated)	*Cooling - T1 35°C	W/W	4.39	4.45	4.38
	**Cooling - T3 46°C	W/W	3.24	3.28	3.22
	Heating	W/W	4.64	4.42	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 3) + (4,200 × 1)	5,300 × 4	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(260 × 1) + (220 × 2)	(274 × 1) + (220 × 2)	(274 × 1) + (220 × 2)
		lbs	(573 × 1) + (485 × 2)	(604 × 1) + (485 × 2)	(604 × 1) + (485 × 2)
Sound Pressure Level	Cooling / Heating	dB(A)	64.9 / 65.9	65.1 / 66.1	65.5 / 67.3
Sound Power Level	Cooling / Heating	dB(A)	87.1 / 89.1	88.0 / 89.5	88.5 / 90.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	12.0 + 13.0 + 13.0	14.0 + 13.0 + 13.0	14.0 + 13.0 + 13.0
		lbs	26.5 + 28.7 + 28.7	30.9 + 28.7 + 28.7	30.9 + 28.7 + 28.7
	t-CO_2eq		79.3	83.5	83.5
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

HIGH EFFICIENCY

ARUN500LEH5 / ARUN520LEH5



HP			50	52
Model Name	Combination Unit		ARUN500LEH5	ARUN520LEH5
	Independent Unit		ARUN200LEH5 ARUN160LEH5 ARUN140LEH5	ARUN200LEH5 ARUN180LEH5 ARUN140LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	140.0	145.6
		Btu/h	477,700	496,800
	**Cooling - T3 46°C	kW	128.1	133.2
		Btu/h	437,100	454,500
	Heating	kW	156.9	163.6
		Btu/h	535,400	558,300
Input (Rated)	*Cooling - T1 35°C	kW	31.47	32.32
	**Cooling - T3 46°C	kW	40.35	41.46
	Heating	kW	35.51	38.55
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.2	15.4
	**Cooling - T3 46°C	Btu/Watt·h	10.8	11.0
	Heating	Btu/Watt·h	15.1	14.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.45	4.50
	**Cooling - T3 46°C	W/W	3.18	3.21
	Heating	W/W	4.42	4.24
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 4) + (4,200 × 1)	5,300 × 5
	Starting Method		Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3
	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)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(274 × 1) + (260 × 1) + (220 × 1)	(274 × 2) + (220 × 1)
		lbs	(604 × 1) + (573 × 1) + (485 × 1)	(604 × 2) + (485 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	65.7 / 67.4	65.8 / 67.5
Sound Power Level	Cooling / Heating	dB(A)	88.8 / 90.3	89.4 / 90.6
Protection Devices	High Pressure Protection	-	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
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 12.0 + 13.0	14.0 + 14.0 + 13.0
		lbs	30.9 + 26.5 + 28.7	30.9 + 30.9 + 28.7
	t-CO_2eq		81.4	85.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380 ~ 415, 50	3, 380 ~ 415, 50
			3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN540LEH5 / ARUN560LEH5



HP			54	56
Model Name	Combination Unit		ARUN540LEH5	ARUN560LEH5
	Independent Unit		ARUN200LEH5 ARUN200LEH5 ARUN140LEH5	ARUN200LEH5 ARUN200LEH5 ARUN160LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	151.2	156.8
		Btu/h	515,900	535,000
	**Cooling - T3 46°C	kW	136.8	138.3
		Btu/h	466,800	471,900
	Heating	kW	169.9	176.0
		Btu/h	579,800	600,500
Input (Rated)	*Cooling - T1 35°C	kW	34.10	34.87
	**Cooling - T3 46°C	kW	43.32	44.34
	Heating	kW	40.73	41.34
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.1	15.3
	**Cooling - T3 46°C	Btu/Watt·h	10.8	10.6
	Heating	Btu/Watt·h	14.2	14.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.43	4.50
	**Cooling - T3 46°C	W/W	3.16	3.12
	Heating	W/W	4.17	4.26
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 5	(5,300 × 5) + (4,200 × 1)
	Starting Method		Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3
	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)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(274 × 2) + (220 × 1)	(274 × 2) + (260 × 1)
		lbs	(604 × 2) + (485 × 1)	(604 × 2) + (573 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	66.2 / 68.4	66.3 / 68.5
Sound Power Level	Cooling / Heating	dB(A)	89.8 / 91.0	90.0 / 91.2
Protection Devices	High Pressure Protection	-	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
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0 + 13.0	14.0 + 14.0 + 12.0
		lbs	30.9 + 30.9 + 28.7	30.9 + 30.9 + 26.5
	t-CO_2eq		85.6	83.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380 ~ 415, 50	3, 380 ~ 415, 50
			3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

HIGH EFFICIENCY

ARUN580LEH5 / ARUN600LEH5



HP			58	60
Model Name	Combination Unit		ARUN580LEH5	ARUN600LEH5
	Independent Unit		ARUN200LEH5 ARUN200LEH5 ARUN180LEH5	ARUN200LEH5 ARUN200LEH5 ARUN200LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	162.4	168.0
		Btu/h	554,100	573,200
	**Cooling - T3 46°C	kW	143.4	147.0
		Btu/h	489,300	501,600
	Heating	kW	182.7	189.0
		Btu/h	623,400	644,900
Input (Rated)	*Cooling - T1 35°C	kW	35.72	37.50
	**Cooling - T3 46°C	kW	45.45	47.31
	Heating	kW	44.38	46.56
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.5	15.3
	**Cooling - T3 46°C	Btu/Watt·h	10.8	10.6
	Heating	Btu/Watt·h	14.0	13.9
COP (Rated)	*Cooling - T1 35°C	W/W	4.55	4.48
	**Cooling - T3 46°C	W/W	3.16	3.11
	Heating	W/W	4.12	4.06
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 6	5,300 × 6
	Starting Method		Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3
	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)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	274 × 3	274 × 3
		lbs	604 × 3	604 × 3
Sound Pressure Level	Cooling / Heating	dB(A)	66.5 / 68.6	66.8 / 69.3
Sound Power Level	Cooling / Heating	dB(A)	90.5 / 91.5	90.8 / 91.8
Protection Devices	High Pressure Protection	-	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
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0 + 14.0	14.0 + 14.0 + 14.0
		lbs	30.9 + 30.9 + 30.9	30.9 + 30.9 + 30.9
	t-CO_2eq		87.7	87.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380 ~ 415, 50	3, 380 ~ 415, 50
			3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN080LTH5 / ARUN100LTH5 / ARUN120LTH5



HP			8	10	12
Model Name	Combination Unit		ARUN080LTH5	ARUN100LTH5	ARUN120LTH5
	Independent Unit		ARUN080LTH5	ARUN100LTH5	ARUN120LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	22.4	28.0	33.6
		Btu/h	76,400	95,500	114,600
	**Cooling - T3 46°C	kW	19.8	25.0	31.2
		Btu/h	67,600	85,300	106,500
	Heating	kW	25.2	30.3	37.8
		Btu/h	86,000	103,400	129,000
Input (Rated)	*Cooling - T1 35°C	kW	5.00	7.00	8.00
	**Cooling - T3 46°C	kW	6.37	8.33	9.54
	Heating	kW	5.80	7.30	8.06
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.3	13.6	14.3
	**Cooling - T3 46°C	Btu/Watt·h	10.6	10.2	11.2
	Heating	Btu/Watt·h	14.8	14.2	16.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.48	4.00	4.20
	**Cooling - T3 46°C	W/W	3.11	3.00	3.27
	Heating	W/W	4.34	4.15	4.69
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1	5,300 × 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	1,200 × 1	1,200 × 1	1,200 × 1
	Air Flow Rate (High)	m^3/min	240 × 1	240 × 1	240 × 1
		ft^3/min	8,476 × 1	8,476 × 1	8,476 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm	(930 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 1
		inch	(36-5/8 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	173 × 1	171 × 1	188 × 1
		lbs	381 × 1	377 × 1	414 × 1
Sound Pressure Level	Cooling / Heating	dB(A)	58.0 / 60.0	58.5 / 60.5	59.0 / 60.0
Sound Power Level	Cooling / Heating	dB(A)	78.0 / 80.0	79.0 / 80.0	79.0 / 80.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.7	4.7	10.0
		lbs	10.4	10.4	22.0
	t-CO_2eq		9.8	9.8	20.9
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			13	16	20

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

STANDARD

ARUN140LTH5 / ARUN160LTH5 / ARUN180LTH5



HP			14	16	18
Model Name	Combination Unit		ARUN140LTH5	ARUN160LTH5	ARUN180LTH5
	Independent Unit		ARUN140LTH5	ARUN160LTH5	ARUN180LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	39.2	44.8	50.4
		Btu/h	133,800	152,900	172,000
	**Cooling - T3 46°C	kW	36.8	40.3	43.6
		Btu/h	125,600	137,500	148,800
	Heating	kW	43.9	50.0	56.7
		Btu/h	149,900	170,600	193,500
Input (Rated)	*Cooling - T1 35°C	kW	9.30	10.80	11.20
	**Cooling - T3 46°C	kW	11.20	13.15	14.39
	Heating	kW	9.69	11.36	11.98
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.4	14.2	15.4
	**Cooling - T3 46°C	Btu/Watt·h	11.2	10.5	10.3
	Heating	Btu/Watt·h	15.5	15.0	16.2
COP (Rated)	*Cooling - T1 35°C	W/W	4.22	4.15	4.50
	**Cooling - T3 46°C	W/W	3.29	3.06	3.03
	Heating	W/W	4.53	4.40	4.73
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1	5,300 × 1 + 4,200 × 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m^3/min	320 × 1	320 × 1	320 × 1
		ft^3/min	11,301 × 1	11,301 × 1	11,301 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	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	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	220 × 1	220 × 1	260 × 1
		lbs	485 × 1	485 × 1	573 × 1
Sound Pressure Level	Cooling / Heating	dB(A)	60.0 / 61.0	60.5 / 61.5	61.0 / 62.0
Sound Power Level	Cooling / Heating	dB(A)	82.0 / 84.0	83.0 / 85.0	85.0 / 86.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0	13.0	13.0
		lbs	28.7	28.7	28.7
	t-CO_2eq		27.1	27.1	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
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			23	26	29

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN200LTH5 / ARUN220LTH5 / ARUN240LTH5



HP			20	22	24
Model Name	Combination Unit		ARUN200LTH5	ARUN220LTH5	ARUN240LTH5
	Independent Unit		ARUN200LTH5	ARUN220LTH5	ARUN120LTH5 ARUN120LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	56.0	61.6	67.2
		Btu/h	191,100	210,200	229,300
	**Cooling - T3 46°C	kW	48.0	49.6	62.4
		Btu/h	163,800	169,100	212,900
	Heating	kW	63.0	69.3	75.6
		Btu/h	215,000	236,500	257,900
Input (Rated)	*Cooling - T1 35°C	kW	13.00	14.84	16.00
	**Cooling - T3 46°C	kW	15.77	16.72	19.08
	Heating	kW	15.52	17.54	16.12
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.7	14.2	14.3
	**Cooling - T3 46°C	Btu/Watt·h	10.4	10.1	11.2
	Heating	Btu/Watt·h	13.9	13.5	16.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.31	4.15	4.20
	**Cooling - T3 46°C	W/W	3.04	2.96	3.27
	Heating	W/W	4.06	3.95	4.69
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	900 × 2	1,200 × 2
	Air Flow Rate (High)	m^3/min	320 × 1	320 × 1	240 × 2
		ft^3/min	11,301 × 1	11,301 × 1	8,476 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	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)	34.9 (1-3/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	274 × 1	274 × 1	188 × 2
		lbs	604 × 1	604 × 1	414 × 2
Sound Pressure Level	Cooling / Heating	dB(A)	62.0 / 64.5	64.5 / 65.5	62.0 / 63.0
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 87.0	86.0 / 88.0	82.0 / 83.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0	14.0	10.0 + 10.0
		lbs	30.9	30.9	22.0 + 22.0
	t-CO_2eq		29.2	29.2	41.8
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			32	35	39

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

STANDARD

ARUN260LTH5 / ARUN280LTH5 / ARUN300LTH5



HP			26	28	30
Model Name	Combination Unit		ARUN260LTH5	ARUN280LTH5	ARUN300LTH5
	Independent Unit		ARUN140LTH5 ARUN120LTH5	ARUN160LTH5 ARUN120LTH5	ARUN160LTH5 ARUN140LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	72.8	78.4	84.0
		Btu/h	248,400	267,500	286,600
	**Cooling - T3 46°C	kW	68.0	71.5	77.1
		Btu/h	232,000	244,000	263,100
	Heating	kW	81.7	87.8	93.9
		Btu/h	278,800	299,600	320,500
Input (Rated)	*Cooling - T1 35°C	kW	17.30	18.80	20.10
	**Cooling - T3 46°C	kW	20.74	22.69	24.35
	Heating	kW	17.75	19.42	21.05
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.4	14.2	14.3
	**Cooling - T3 46°C	Btu/Watt·h	11.2	10.8	10.8
	Heating	Btu/Watt·h	15.7	15.4	15.2
COP (Rated)	*Cooling - T1 35°C	W/W	4.21	4.17	4.18
	**Cooling - T3 46°C	W/W	3.28	3.15	3.17
	Heating	W/W	4.60	4.52	4.46
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	900 × 4
	Air Flow Rate (High)	m^3/min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)	320 × 2
		ft^3/min	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(220 × 1) + (188 × 1)	(220 × 1) + (188 × 1)	220 × 2
		lbs	(485 × 1) + (414 × 1)	(485 × 1) + (414 × 1)	485 × 2
Sound Pressure Level	Cooling / Heating	dB(A)	62.5 / 63.5	62.8 / 63.8	63.3 / 64.3
Sound Power Level	Cooling / Heating	dB(A)	83.8 / 85.5	84.5 / 86.2	85.5 / 87.5
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 10.0	13.0+ 10.0	13.0+ 13.0
		lbs	28.7 + 22.0	28.7 + 22.0	28.7 + 28.7
	t-CO_2eq		48.0	48.0	54.3
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			42	45	49

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN320LTH5 / ARUN340LTH5 / ARUN360LTH5



HP			32	34	36
Model Name	Combination Unit		ARUN320LTH5	ARUN340LTH5	ARUN360LTH5
	Independent Unit		ARUN160LTH5 ARUN160LTH5	ARUN180LTH5 ARUN160LTH5	ARUN200LTH5 ARUN160LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	89.6	95.2	100.8
		Btu/h	305,700	324,800	343,900
	**Cooling - T3 46°C	kW	80.6	83.9	88.3
		Btu/h	275,000	286,300	301,300
	Heating	kW	100.0	106.7	113.0
		Btu/h	341,200	364,100	385,600
Input (Rated)	*Cooling - T1 35°C	kW	21.60	22.00	23.80
	**Cooling - T3 46°C	kW	26.30	27.54	28.92
	Heating	kW	22.72	23.34	26.88
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.2	14.8	14.4
	**Cooling - T3 46°C	Btu/Watt·h	10.5	10.4	10.4
	Heating	Btu/Watt·h	15.0	15.6	14.3
COP (Rated)	*Cooling - T1 35°C	W/W	4.15	4.33	4.24
	**Cooling - T3 46°C	W/W	3.06	3.05	3.05
	Heating	W/W	4.40	4.57	4.20
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	(5,300 × 2) + (4,200 × 1)	5,300 × 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 2
		ft^3/min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	220 × 2	(260 × 1) + (220 × 1)	(274 × 1) + (220 × 1)
		lbs	485 × 2	(573 × 1) + (485 × 1)	(604 × 1) + (485 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	63.5 / 64.5	63.8 / 64.8	64.3 / 66.3
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 88.0	87.1 / 88.5	87.8 / 89.1
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 protecto	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 13.0	13.0 + 13.0	14.0 + 13.0
		lbs	28.7 + 28.7	28.7 + 28.7	30.9 + 28.7
	t-CO_2eq		54.3	52.2	56.4
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			52	55	58

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

STANDARD

ARUN380LTH5 / ARUN400LTH5 / ARUN420LTH5



HP			38	40	42
Model Name	Combination Unit		ARUN380LTH5	ARUN400LTH5	ARUN420LTH5
	Independent Unit		ARUN220LTH5 ARUN160LTH5	ARUN200LTH5 ARUN200LTH5	ARUN220LTH5 ARUN200LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	106.4	112.0	117.6
		Btu/h	363,000	382,100	401,300
	**Cooling - T3 46°C	kW	89.9	96.0	97.6
		Btu/h	306,600	327,600	332,900
	Heating	kW	119.3	126.0	132.3
		Btu/h	407,100	429,900	451,400
Input (Rated)	*Cooling - T1 35°C	kW	25.64	26.00	27.84
	**Cooling - T3 46°C	kW	29.87	31.54	32.49
	Heating	kW	28.90	31.04	33.06
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.2	14.7	14.4
	**Cooling - T3 46°C	Btu/Watt·h	10.3	10.4	10.2
	Heating	Btu/Watt·h	14.1	13.8	13.7
COP (Rated)	*Cooling - T1 35°C	W/W	4.15	4.31	4.22
	**Cooling - T3 46°C	W/W	3.01	3.04	3.00
	Heating	W/W	4.13	4.06	4.00
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 3	5,300 × 4	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 2
		ft^3/min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(274 × 1) + (220 × 1)	274 × 2	274 × 2
		lbs	(604 × 1) + (485 × 1)	604 × 2	604 × 2
Sound Pressure Level	Cooling / Heating	dB(A)	66.0 / 67.0	65.0 / 67.5	66.4 / 68.0
Sound Power Level	Cooling / Heating	dB(A)	87.8 / 89.8	89.0 / 90.0	89.0 / 90.5
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 13.0	14.0 + 14.0	14.0 + 14.0
		lbs	30.9 + 28.7	30.9 + 30.9	30.9 + 30.9
	t-CO_2eq		56.4	58.5	58.5
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			61	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN440LTH5 / ARUN460LTH5 / ARUN480LTH5



HP			44	46	48
Model Name	Combination Unit		ARUN440LTH5	ARUN460LTH5	ARUN480LTH5
	Independent Unit		ARUN220LTH5 ARUN220LTH5	ARUN160LTH5 ARUN160LTH5 ARUN140LTH5	ARUN160LTH5 ARUN160LTH5 ARUN160LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	123.2	128.8	134.4
		Btu/h	420,400	439,500	458,600
	**Cooling - T3 46°C	kW	99.2	117.4	120.9
		Btu/h	338,200	400,600	412,500
	Heating	kW	138.6	143.9	150.0
		Btu/h	472,900	491,000	511,800
Input (Rated)	*Cooling - T1 35°C	kW	29.68	30.90	32.40
	**Cooling - T3 46°C	kW	33.44	37.50	39.45
	Heating	kW	35.08	32.41	34.08
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.2	14.2	14.2
	**Cooling - T3 46°C	Btu/Watt·h	10.1	10.7	10.5
	Heating	Btu/Watt·h	13.5	15.1	15.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.15	4.17	4.15
	**Cooling - T3 46°C	W/W	2.97	3.13	3.06
	Heating	W/W	3.95	4.44	4.40
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 4	5,300 × 3	5,300 × 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 3	320 × 3
		ft^3/min	1,1301 ×2	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	274 × 2	220 × 3	220 × 3
		lbs	604 × 2	485 × 3	485 × 3
Sound Pressure Level	Cooling / Heating	dB(A)	67.5 / 68.5	65.1 / 66.1	65.3 / 66.3
Sound Power Level	Cooling / Heating	dB(A)	89.0 / 91.0	87.5 / 89.5	87.8 / 89.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0	13.0 + 13.0 + 13.0	13.0 + 13.0 + 13.0
		lbs	30.9 + 30.9	28.7 + 28.7 + 28.7	28.7 + 28.7 + 28.7
	t-CO_2eq		58.5	81.4	81.4
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

STANDARD

ARUN500LTH5 / ARUN520LTH5 / ARUN540LTH5



HP			50	52	54
Model Name	Combination Unit		ARUN500LTH5	ARUN520LTH5	ARUN540LTH5
	Independent Unit		ARUN180LTH5 ARUN160LTH5 ARUN160LTH5	ARUN200LTH5 ARUN160LTH5 ARUN160LTH5	ARUN220LTH5 ARUN160LTH5 ARUN160LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	140.0	145.6	151.2
		Btu/h	477,700	496,800	515,900
	**Cooling - T3 46°C	kW	124.2	128.6	130.2
		Btu/h	423,800	438,800	444,200
	Heating	kW	156.7	163.0	169.3
		Btu/h	534,700	556,200	577,700
Input (Rated)	*Cooling - T1 35°C	kW	32.80	34.60	36.44
	**Cooling - T3 46°C	kW	40.69	42.07	43.02
	Heating	kW	34.70	38.24	40.26
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.6	14.4	14.2
	**Cooling - T3 46°C	Btu/Watt·h	10.4	10.4	10.3
	Heating	Btu/Watt·h	15.4	14.5	14.3
COP (Rated)	*Cooling - T1 35°C	W/W	4.27	4.21	4.15
	**Cooling - T3 46°C	W/W	3.05	3.06	3.03
	Heating	W/W	4.52	4.26	4.21
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 3) + (4,200 × 1)	5,300 × 4	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(260 × 1) + (220 × 2)	(274 × 1) + (220 × 2)	(274 × 1) + (220 × 2)
		lbs	(573 × 1) + (485 × 2)	(604 × 1) + (485 × 2)	(604 × 1) + (485 × 2)
Sound Pressure Level	Cooling / Heating	dB(A)	65.4 / 66.4	65.8 / 67.5	67.0 / 68.0
Sound Power Level	Cooling / Heating	dB(A)	88.5 / 90.1	89.0 / 90.5	89.0 / 91.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 13.0 + 13.0	14.0 + 13.0 + 13.0	14.0 + 13.0 + 13.0
		lbs	28.7 + 28.7 + 28.7	30.9 + 28.7 + 28.7	30.9 + 28.7 + 28.7
	t-CO_2eq		79.3	83.5	83.5
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN560LTH5 / ARUN580LTH5 / ARUN600LTH5



HP			56	58	60
Model Name	Combination Unit		ARUN560LTH5	ARUN580LTH5	ARUN600LTH5
	Independent Unit		ARUN200LTH5 ARUN200LTH5 ARUN160LTH5	ARUN220LTH5 ARUN200LTH5 ARUN160LTH5	ARUN220LTH5 ARUN220LTH5 ARUN160LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	156.8	162.4	168.0
		Btu/h	535,000	554,100	573,200
	**Cooling - T3 46°C	kW	136.3	137.9	139.5
		Btu/h	465,100	470,500	476,000
	Heating	kW	176.0	182.3	188.6
		Btu/h	600,500	622,000	643,500
Input (Rated)	*Cooling - T1 35°C	kW	36.80	38.64	40.48
	**Cooling - T3 46°C	kW	44.69	45.64	46.59
	Heating	kW	42.40	44.42	46.44
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.5	14.3	14.2
	**Cooling - T3 46°C	Btu/Watt·h	10.4	10.3	10.2
	Heating	Btu/Watt·h	14.2	14.0	13.9
COP (Rated)	*Cooling - T1 35°C	W/W	4.26	4.20	4.15
	**Cooling - T3 46°C	W/W	3.05	3.02	2.99
	Heating	W/W	4.15	4.10	4.06
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 5	5,300 × 5	5,300 × 5
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(274 × 2) + (220 × 1)	(274 × 2) + (220 × 1)	(274 × 2) + (220 × 1)
		lbs	(604 × 2) + (485 × 1)	(604 × 2) + (485 × 1)	(604 × 2) + (485 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	66.3 / 68.5	67.4 / 68.9	68.3 / 69.3
Sound Power Level	Cooling / Heating	dB(A)	90.0 / 91.2	90.0 / 91.6	90.0 / 92.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0 + 13.0	14.0 + 14.0 + 13.0	14.0 + 14.0 + 13.0
		lbs	30.9 + 30.9 + 28.7	30.9 + 30.9 + 28.7	30.9 + 30.9 + 28.7
	t-CO_2eq		85.6	85.6	85.6
	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, 400, 60	3, 400, 60	3,400, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

STANDARD

ARUN620LTH5 / ARUN640LTH5 / ARUN660LTH5



HP			62	64	66
Model Name	Combination Unit		ARUN620LTH5	ARUN640LTH5	ARUN660LTH5
	Independent Unit		ARUN220LTH5 ARUN200LTH5 ARUN200LTH5	ARUN220LTH5 ARUN220LTH5 ARUN200LTH5	ARUN220LTH5 ARUN220LTH5 ARUN220LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	173.6	179.2	184.8
		Btu/h	592,300	611,400	630,500
	**Cooling - T3 46°C	kW	145.6	147.2	148.8
		Btu/h	496,800	502,200	507,700
	Heating	kW	195.3	201.6	207.9
		Btu/h	666,400	687,900	709,400
Input (Rated)	*Cooling - T1 35°C	kW	40.84	42.68	44.52
	**Cooling - T3 46°C	kW	48.26	49.21	50.16
	Heating	kW	48.58	50.60	52.62
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.5	14.3	14.2
	**Cooling - T3 46°C	Btu/Watt·h	10.3	10.2	10.1
	Heating	Btu/Watt·h	13.7	13.6	13.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.25	4.20	4.15
	**Cooling - T3 46°C	W/W	3.02	2.99	2.97
	Heating	W/W	4.02	3.98	3.95
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 6	5,300 × 6	5,300 × 6
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	274 × 3	274 × 3	274 × 3
		lbs	604 × 3	604 × 3	604 × 3
Sound Pressure Level	Cooling / Heating	dB(A)	67.8 / 69.6	68.6 / 70.0	69.3 / 70.3
Sound Power Level	Cooling / Heating	dB(A)	90.8 / 92.1	90.8 / 92.5	90.8 / 92.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0 + 14.0	14.0 + 14.0 + 14.0	14.0 + 14.0 + 14.0
		lbs	30.9 + 30.9 + 30.9	30.9 + 30.9 + 30.9	30.9 + 30.9 + 30.9
	t-CO_2eq		87.7	87.7	87.7
	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, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

PRO

ARUN080LLH5 / ARUN100LLH5 / ARUN120LLH5



HP			8	10	12
Model Name	Combination Unit		ARUN080LLH5	ARUN100LLH5	ARUN120LLH5
	Independent Unit		ARUN080LLH5	ARUN100LLH5	ARUN120LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	22.4	28.0	33.5
		Btu/h	76,400	95,500	114,300
	**Cooling - T3 46°C	kW	20.2	25.2	31.2
		Btu/h	68,900	86,000	106,500
	Heating	kW	22.4	28.0	33.5
		Btu/h	76,400	95,500	114,300
Input (Rated)	*Cooling - T1 35°C	kW	5.00	7.00	7.98
	**Cooling - T3 46°C	kW	6.50	8.40	9.54
	Heating	kW	4.89	6.39	7.08
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.3	13.6	14.3
	**Cooling - T3 46°C	Btu/Watt·h	10.6	10.2	11.2
	Heating	Btu/Watt·h	15.6	14.9	16.1
COP (Rated)	*Cooling - T1 35°C	W/W	4.48	4.00	4.20
	**Cooling - T3 46°C	W/W	3.11	3.00	3.27
	Heating	W/W	4.58	4.38	4.73
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	4,200 x 1	4,200 x 1	5,300 x 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	1,500 x 1	1,500 x 1	1,500 x 1
	Air Flow Rate (High)	m^3/min	240 x 1	240 x 1	240 x 1
		ft^3/min	8,476 × 1	8,476 × 1	8,476 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Top	Top	Top
Pipe Connections	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm	930 x 1,690 x 760	930 x 1,690 x 760	930 x 1,690 x 760
		inch	(36 x 39/64) x (66 x 17/32) x (29 x 59/64)	(36 x 39/64) x (66 x 17/32) x (29 x 59/64)	(36 x 39/64) x (66 x 17/32) x (29 x 59/64)
Net Weight		kg	168	168	186
		lbs	370	370	410
Sound Pressure Level	Cooling / Heating	dB(A)	58.0 / 59.0	58.0 / 59.0	60.0 / 61.0
Sound Power Level	Cooling / Heating	dB(A)	78.0 / 79.0	78.0 / 79.0	82.0 / 83.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.7	4.7	7.5
		lbs	10.4	10.4	16.5
	t-CO_2eq		9.8	9.8	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, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			13	16	20

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

PRO

ARUN140LLH5 / ARUN160LLH5 / ARUN180LLH5



HP			14	16	18
Model Name	Combination Unit		ARUN140LLH5	ARUN160LLH5	ARUN180LLH5
	Independent Unit		ARUN140LLH5	ARUN160LLH5	ARUN180LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	40.0	45.0	50.4
		Btu/h	136,500	153,500	172,000
	**Cooling - T3 46°C	kW	36.8	40.3	43.6
		Btu/h	125,600	137,500	148,800
	Heating	kW	40.0	45.0	50.4
		Btu/h	136,500	153,500	172,000
Input (Rated)	*Cooling - T1 35°C	kW	9.48	10.84	11.20
	**Cooling - T3 46°C	kW	11.19	13.17	14.39
	Heating	kW	9.41	11.17	11.22
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.4	14.2	15.4
	**Cooling - T3 46°C	Btu/Watt·h	11.2	10.4	10.3
	Heating	Btu/Watt·h	14.5	13.7	15.3
COP (Rated)	*Cooling - T1 35°C	W/W	4.22	4.15	4.50
	**Cooling - T3 46°C	W/W	3.29	3.06	3.03
	Heating	W/W	4.25	4.03	4.49
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	7,500 x 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	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
		ft^3/min	11,301 × 1	11,301 × 1	11,301 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Top	Top	Top
Pipe Connections	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	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	1,240 x 1,690 x 760	1,240 x 1,690 x 760	1,240 x 1,690 x 760
		inch	(48 x 13/16) x (66 x 17/32) x (29 x 59/64)	(48 x 13/16) x (66 x 17/32) x (29 x 59/64)	(48 x 13/16) x (66 x 17/32) x (29 x 59/64)
Net Weight		kg	204	204	214
		lbs	450	450	472
Sound Pressure Level	Cooling / Heating	dB(A)	60.5 / 61.5	60.5 / 61.5	62.0 / 64.5
Sound Power Level	Cooling / Heating	dB(A)	83.0 / 85.0	83.0 / 85.0	85.0 / 86.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	6.5	6.5	6.5
		lbs	14.3	14.3	14.3
	t-CO_2eq		13.6	13.6	13.6
	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, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			23	26	29

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

PRO

ARUN200LLH5/ ARUN220LLH5 / ARUN240LLH5



HP			20	22	24
Model Name	Combination Unit		ARUN200LLH5	ARUN220LLH5	ARUN240LLH5
	Independent Unit		ARUN200LLH5	ARUN220LLH5	ARUN120LLH5 ARUN120LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	56.0	61.6	67.0
		Btu/h	191,100	210,200	228,600
	**Cooling - T3 46°C	kW	48.0	49.6	62.4
		Btu/h	163,800	169,200	213,000
	Heating	kW	56.0	61.6	67.0
		Btu/h	191,100	210,200	228,600
Input (Rated)	*Cooling - T1 35°C	kW	14.14	16.47	15.96
	**Cooling - T3 46°C	kW	15.79	16.76	19.08
	Heating	kW	13.24	15.17	14.16
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	13.5	12.8	14.3
	**Cooling - T3 46°C	Btu/Watt·h	10.4	10.1	11.2
	Heating	Btu/Watt·h	14.4	13.9	16.1
COP (Rated)	*Cooling - T1 35°C	W/W	3.96	3.74	4.20
	**Cooling - T3 46°C	W/W	3.04	2.96	3.27
	Heating	W/W	4.23	4.06	4.73
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	7,500 x 1	7,500 x 1	5,300 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 x 2	900 x 2	1,500 x 2
	Air Flow Rate (High)	m^3/min	320 x 1	320 x 1	240 x 2
		ft^3/min	11,301 x 1	11,301 x 1	8,476 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Top	Top	Top
Pipe Connections	Liquid Pipe	mm (inch)	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)	34.9 (1-3/8)
Dimensions (W x H x D)		mm	1,240 x 1,690 x 760	1,240 x 1,690 x 760	(930 x 1,690 x 760) x 2
		inch	(48 x 13/16) x (66 x 17/32) x (29 x 59/64)	(48 x 13/16) x (66 x 17/32) x (29 x 59/64)	{(36 x 39/64) x (66 x 17/32) x (29 x 59/64)} x 2
Net Weight		kg	230	230	186 x 2
		lbs	507	507	370 x 2
Sound Pressure Level	Cooling / Heating	dB(A)	63.0 / 66.0	64.0 / 67.0	63.6 / 63.4
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 89.0	87.0 / 90.0	85.1 / 86.5
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	7.5	7.5	15
		lbs	16.5	16.5	33
	t-CO_2eq		15.7	15.7	31.3
	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, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			32	35	39

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

PRO

ARUN260LLH5 / ARUN280LLH5 / ARUN300LLH5



HP			26	28	30
Model Name	Combination Unit		ARUN260LLH5	ARUN280LLH5	ARUN300LLH5
	Independent Unit		ARUN140LLH5 ARUN120LLH5	ARUN160LLH5 ARUN120LLH5	ARUN160LLH5 ARUN140LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	73.5	78.5	85.0
		Btu/h	250,800	267,800	290,000
	**Cooling - T3 46°C	kW	68.0	71.5	77.1
		Btu/h	232,100	244,000	263,100
	Heating	kW	73.5	78.5	85.0
		Btu/h	250,800	267,800	290,000
Input (Rated)	*Cooling - T1 35°C	kW	17.46	18.82	20.32
	**Cooling - T3 46°C	kW	20.73	22.71	24.36
	Heating	kW	16.49	18.25	20.58
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.4	14.2	14.3
	**Cooling - T3 46°C	Btu/Watt·h	11.2	10.7	10.8
	Heating	Btu/Watt·h	15.2	14.7	14.1
COP (Rated)	*Cooling - T1 35°C	W/W	4.21	4.17	4.18
	**Cooling - T3 46°C	W/W	3.28	3.15	3.17
	Heating	W/W	4.46	4.30	4.13
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(1,500 x 1) + (900 x 2)	(1,500 x 1) + (900 x 2)	900 x 4
	Air Flow Rate (High)	m^3/min	(240 x 1) + (320 x 1)	(240 x 1) + (320 x 1)	320 x 2
		ft^3/min	(8,476 x 1) + (11,301 x 1)	(8,476 x 1) + (11,301 x 1)	11,301 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Top	Top	Top
Pipe Connections	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	(1,240 x 1,690 x 760) + (930 x 1,690 x 760)	(1,240 x 1,690 x 760) + (930 x 1,690 x 760)	(1,240 x 1,690 x 760) x 2
		inch	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} + {(36 x 39/64) x (66 x 17/32) x (29 x 59/64)}	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} + {(36 x 39/64) x (66 x 17/32) x (29 x 59/64)}	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 2
Net Weight		kg	(204 x 1) + (186 x 1)	(204 x 1) + (186 x 1)	204 x 2
		lbs	(450 x 1) + (370 x 1)	(450 x 1) + (370 x 1)	450 x 2
Sound Pressure Level	Cooling / Heating	dB(A)	63.8 / 64.3	63.8 / 64.3	63.9 / 64.9
Sound Power Level	Cooling / Heating	dB(A)	85.6 / 87.5	85.6 / 87.5	86.2 / 88.2
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14	14	13
		lbs	30.8	30.8	28.6
	t-CO_2eq		29.2	29.2	27.1
	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
			3, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			42	45	49

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

PRO

ARUN320LLH5 / ARUN340LLH5 / ARUN360LLH5



HP			32	34	36
Model Name	Combination Unit		ARUN320LLH5	ARUN340LLH5	ARUN360LLH5
	Independent Unit		ARUN160LLH5 ARUN160LLH5	ARUN180LLH5 ARUN160LLH5	ARUN200LLH5 ARUN160LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	90.0	95.4	101.0
		Btu/h	307,000	325,500	344,600
	**Cooling - T3 46°C	kW	80.6	83.9	88.3
		Btu/h	275,000	286,300	301,300
	Heating	kW	90.0	95.4	101.0
		Btu/h	307,000	325,500	344,600
Input (Rated)	*Cooling - T1 35°C	kW	21.68	22.04	24.98
	**Cooling - T3 46°C	kW	26.34	27.56	28.96
	Heating	kW	22.34	22.39	24.41
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.2	14.8	13.8
	**Cooling - T3 46°C	Btu/Watt·h	10.4	10.4	10.4
	Heating	Btu/Watt·h	13.7	14.5	14.1
COP (Rated)	*Cooling - T1 35°C	W/W	4.15	4.33	4.04
	**Cooling - T3 46°C	W/W	3.06	3.04	3.05
	Heating	W/W	4.03	4.26	4.14
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	(5,300 x 1) + (7,500 x 1)	(5,300 x 1) + (7,500 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	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	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)	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	(1,240 x 1,690 x 760) x 2
		inch	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 2	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 2	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 2
Net Weight		kg	204 x 2	(214 x 1) + (204 x 1)	(230 x 1) + (204 x 1)
		lbs	450 x 2	(472 x 1) + (450 x 1)	(507 x 1) + (450 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	63.9 / 64.9	64.4 / 66.7	65.6 / 67.9
Sound Power Level	Cooling / Heating	dB(A)	86.2 / 88.2	87.4 / 89.1	88.2 / 91
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13	13	14
		lbs	28.6	28.6	30.8
	t-CO_2eq		27.1	27.1	29.2
	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
			3, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			52	55	58

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

PRO

ARUN380LLH5 / ARUN400LLH5 / ARUN420LLH5



HP			38	40	42
Model Name	Combination Unit		ARUN380LLH5	ARUN400LLH5	ARUN420LLH5
	Independent Unit		ARUN220LLH5 ARUN160LLH5	ARUN200LLH5 ARUN200LLH5	ARUN220LLH5 ARUN200LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	106.6	112.0	117.6
		Btu/h	363,700	382,200	401,300
	**Cooling - T3 46°C	kW	89.9	96.0	97.6
		Btu/h	306,700	327,600	333,000
	Heating	kW	106.6	112.0	117.6
		Btu/h	363,700	382,200	401,300
Input (Rated)	*Cooling - T1 35°C	kW	27.31	28.28	30.61
	**Cooling - T3 46°C	kW	29.93	31.58	32.55
	Heating	kW	26.34	26.48	28.41
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	13.3	13.5	13.1
	**Cooling - T3 46°C	Btu/Watt·h	10.2	10.4	10.2
	Heating	Btu/Watt·h	13.8	14.4	14.1
COP (Rated)	*Cooling - T1 35°C	W/W	3.90	3.96	3.84
	**Cooling - T3 46°C	W/W	3.00	3.04	3.00
	Heating	W/W	4.05	4.23	4.14
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 x 1) + (7,500 x 1)	7,500 x 2	7,500 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	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	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	(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
		inch	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 2	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 2	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 2
Net Weight		kg	(230 x 1) + (204 x 1)	230 x 2	230 x 2
		lbs	(507 x 1) + (450 x 1)	507 x 2	507 x 2
Sound Pressure Level	Cooling / Heating	dB(A)	66.1 / 68.7	66.8 / 69.6	67.2 / 70.1
Sound Power Level	Cooling / Heating	dB(A)	89.1 / 91.9	89.6 / 92.7	90.3 / 92.7
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14	15	15
		lbs	30.8	33	33
	t-CO_2eq		29.2	31.3	31.3
	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, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			61	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

PRO

ARUN440LLH5 / ARUN460LLH5 / ARUN480LLH5



HP			44	46	48
Model Name	Combination Unit		ARUN440LLH5	ARUN460LLH5	ARUN480LLH5
	Independent Unit		ARUN220LLH5 ARUN220LLH5	ARUN160LLH5 ARUN160LLH5 ARUN140LLH5	ARUN160LLH5 ARUN160LLH5 ARUN160LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	123.2	130.0	135.0
		Btu/h	420,400	443,500	460,500
	**Cooling - T3 46°C	kW	99.2	117.4	120.9
		Btu/h	338,400	400,600	412,500
	Heating	kW	123.2	130.0	135.0
		Btu/h	420,400	443,500	460,500
Input (Rated)	*Cooling - T1 35°C	kW	32.94	31.16	32.52
	**Cooling - T3 46°C	kW	33.52	37.53	39.51
	Heating	kW	30.34	31.75	33.51
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	12.8	14.2	14.2
	**Cooling - T3 46°C	Btu/Watt·h	10.1	10.7	10.4
	Heating	Btu/Watt·h	13.9	14.0	13.7
COP (Rated)	*Cooling - T1 35°C	W/W	3.74	4.17	4.15
	**Cooling - T3 46°C	W/W	2.96	3.13	3.06
	Heating	W/W	4.06	4.09	4.03
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	7,500 x 2	5,300 x 3	5,300 x 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 x 4	900 x 6	900 x 6
	Air Flow Rate (High)	m^3/min	320 x 2	320 x 3	320 x 3
		ft^3/min	11,301 x 2	11,301 x 3	11,301 x 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Top	Top	Top
Pipe Connections	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	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3
		inch	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 2	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3
Net Weight		kg	230 x 2	204 x 3	204 x 3
		lbs	507 x 2	450 x 3	450 x 3
Sound Pressure Level	Cooling / Heating	dB(A)	67.5 / 70.6	65.7 / 66.7	65.7 / 66.7
Sound Power Level	Cooling / Heating	dB(A)	90.9 / 93.9	88 / 90	87.9 / 90
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	15	19.5	19.5
		lbs	33	42.9	42.9
	t-CO_2eq		31.3	40.7	40.7
	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, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

PRO

ARUN500LLH5 / ARUN520LLH5 / ARUN540LLH5



HP			50	52	54
Model Name	Combination Unit		ARUN500LLH5	ARUN520LLH5	ARUN540LLH5
	Independent Unit		ARUN180LLH5 ARUN160LLH5 ARUN160LLH5	ARUN200LLH5 ARUN160LLH5 ARUN160LLH5	ARUN220LLH5 ARUN160LLH5 ARUN160LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	140.4	146.0	151.6
		Btu/h	479,000	498,100	517,200
	**Cooling - T3 46°C	kW	124.2	128.6	130.2
		Btu/h	423,800	438,800	444,200
	Heating	kW	140.4	146.0	151.6
		Btu/h	479,000	498,100	517,200
Input (Rated)	*Cooling - T1 35°C	kW	32.88	35.82	38.15
	**Cooling - T3 46°C	kW	40.73	42.13	43.10
	Heating	kW	33.56	35.58	37.51
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.6	13.9	13.6
	**Cooling - T3 46°C	Btu/Watt·h	10.4	10.4	10.3
	Heating	Btu/Watt·h	14.3	14.0	13.8
COP (Rated)	*Cooling - T1 35°C	W/W	4.27	4.08	3.97
	**Cooling - T3 46°C	W/W	3.05	3.05	3.02
	Heating	W/W	4.18	4.10	4.04
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	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 2) + (7,500 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	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	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	(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
		inch	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3
Net Weight		kg	(214 x 1) + (204 x 2)	(230 x 1) + (204 x 2)	(230 x 1) + (204 x 2)
		lbs	(472 x 1) + (450 x 2)	(507 x 1) + (450 x 2)	(507 x 1) + (450 x 2)
Sound Pressure Level	Cooling / Heating	dB(A)	66 / 68	66.9 / 68.9	67.2 / 69.5
Sound Power Level	Cooling / Heating	dB(A)	88.8 / 90.6	89.4 / 92	90.1 / 92.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	19.5	20.5	20.5
		lbs	42.9	45.1	45.1
	t-CO_2eq		40.7	42.8	42.8
	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, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

PRO

ARUN560LLH5 / ARUN580LLH5 / ARUN600LLH5



HP			56	58	60
Model Name	Combination Unit		ARUN560LLH5	ARUN580LLH5	ARUN600LLH5
	Independent Unit		ARUN200LLH5 ARUN200LLH5 ARUN160LLH5	ARUN220LLH5 ARUN200LLH5 ARUN160LLH5	ARUN220LLH5 ARUN220LLH5 ARUN160LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	157.0	162.6	168.2
		Btu/h	535,700	554,800	573,900
	**Cooling - T3 46°C	kW	136.3	137.9	139.5
		Btu/h	465,100	470,500	475,900
	Heating	kW	157.0	162.6	168.2
		Btu/h	535,700	554,800	573,900
Input (Rated)	*Cooling - T1 35°C	kW	39.12	41.45	43.78
	**Cooling - T3 46°C	kW	44.75	45.72	46.69
	Heating	kW	37.65	39.58	41.51
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	13.7	13.4	13.1
	**Cooling - T3 46°C	Btu/Watt·h	10.4	10.3	10.2
	Heating	Btu/Watt·h	14.2	14.0	13.8
COP (Rated)	*Cooling - T1 35°C	W/W	4.01	3.92	3.84
	**Cooling - T3 46°C	W/W	3.05	3.02	2.99
	Heating	W/W	4.17	4.11	4.05
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 x 1) + (7,500 x 2)	(5,300 x 1) + (7,500 x 2)	(5,300 x 1) + (7,500 x 2)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	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	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	(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
		inch	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3
Net Weight		kg	(230 x 2) + (204 x 1)	(230 x 2) + (204 x 1)	(230 x 2) + (204 x 1)
		lbs	(570 x 2) + (450 x 1)	(570 x 2) + (450 x 1)	(570 x 2) + (450 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	67.8 / 70.3	68.1 / 70.8	68.4 / 71.2
Sound Power Level	Cooling / Heating	dB(A)	90.5 / 93.4	91.1 / 94	91.6 / 94.5
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	21.5	21.5	21.5
		lbs	47.3	47.3	47.3
	t-CO_2eq		44.9	44.9	44.9
	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, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

PRO

ARUN620LLH5 / ARUN640LLH5 / ARUN660LLH5



HP			62	64	66
Model Name	Combination Unit		ARUN620LLH5	ARUN640LLH5	ARUN660LLH5
	Independent Unit		ARUN220LLH5 ARUN200LLH5 ARUN200LLH5	ARUN220LLH5 ARUN220LLH5 ARUN200LLH5	ARUN220LLH5 ARUN220LLH5 ARUN220LLH5
Capacity (Rated)	*Cooling - T1 35°C	kW	173.6	179.2	184.8
		Btu/h	592,400	611,500	630,600
	**Cooling - T3 46°C	kW	145.6	147.2	148.8
		Btu/h	496,800	502,200	507,600
	Heating	kW	173.6	179.2	184.8
		Btu/h	592,400	611,500	630,600
Input (Rated)	*Cooling - T1 35°C	kW	44.75	47.08	49.41
	**Cooling - T3 46°C	kW	48.34	49.31	50.28
	Heating	kW	41.65	43.58	45.51
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	13.2	13.0	12.8
	**Cooling - T3 46°C	Btu/Watt·h	10.3	10.2	10.1
	Heating	Btu/Watt·h	14.2	14.0	13.9
COP (Rated)	*Cooling - T1 35°C	W/W	3.88	3.81	3.74
	**Cooling - T3 46°C	W/W	3.01	2.99	2.96
	Heating	W/W	4.17	4.11	4.06
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	7,500 x 3	7,500 x 3	7,500 x 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	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	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	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	(1,240 x 1,690 x 760) x 3
		inch	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3	{(48 x 13/16) x (66 x 17/32) x (29 x 59/64)} x 3
Net Weight		kg	230 x 3	230 x 3	230 x 3
		lbs	570 x 3	570 x 3	570 x 3
Sound Pressure Level	Cooling / Heating	dB(A)	68.8 / 71.7	69 / 72.1	69.3 / 72.4
Sound Power Level	Cooling / Heating	dB(A)	91.8 / 94.9	92.3 / 95.3	92.7 / 95.7
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	22.5	22.5	22.5
		lbs	49.5	49.5	49.5
	t-CO_2eq		47.0	47.0	47.0
	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, 400, 600	3, 400, 600	3, 400, 600
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
  ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM080LTE5/ ARUM100LTE5 / ARUM120LTE5



LG participates in the ECP programme for EUROVENT VRF program.
Check ongoing validity of certification
: www.eurovent-certification.com

* 8~20HP Outdoor only.

HP			8	10	12
Model Name	Combination Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5
	Independent Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	22.4	28.0	33.6
		Btu/h	76,400	95,500	114,600
	Cooling (Net)	kW	21.6	27.3	32.5
		Btu/h	73,700	93,200	110,900
	Heating (Total)	kW	25.2	31.5	37.8
		Btu/h	86,000	107,500	129,000
	Heating (Net)	kW	22.0	27.6	33.3
		Btu/h	75,100	94,200	113,600
Power Input	Cooling (Total)	kW	4.28	5.22	6.84
	Heating (Total)	kW	4.78	5.92	8.26
EER	Total	W/W	5.23	5.36	4.91
	Net	W/W	4.19	4.01	3.90
COP	Total	W/W	5.27	5.32	4.58
	Net	W/W	4.49	4.55	4.16
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	4,200 x 1	5,300 x 1	5,300 x 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		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
	Air Flow Rate (High)	m^3/min	240 x 1	240 x 1	240 x 1
		ft^3/min	8,476 x 1	8,476 x 1	8,476 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Low Pressure Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
	High Pressure Gas Pipe	mm (inch)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1
		inch	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 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	198 x 1	215 x 1	215 x 1
		lbs	437 x 1	474 x 1	474 x 1
Sound Pressure Level	Cooling / Heating	dB(A)	58.0 / 59.0	58.0 / 59.0	59.0 / 60.0
Sound Power Level	Cooling / Heating	dB(A)	77.0 / 78.0	78.0 / 79.0	79.0 / 80.0
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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	7.5	9.5	9.5
		lbs	16.5	20.9	20.9
	t-CO_2eq		15.7	19.8	19.8
	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 7)			13 (20)	16 (25)	20 (30)

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM140LTE5 / ARUM160LTE5 / ARUM180LTE5



LG participates in the ECP programme for EUROVENT VRF program.
Check ongoing validity of certification
: www.eurovent-certification.com

* 8~20HP Outdoor only.

HP			14	16	18
Model Name	Combination Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
	Independent Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Total)	kW	39.2	44.8	50.4
		Btu/h	133,800	152,900	172,000
	Cooling (Net)	kW	38.3	44.3	49.0
		Btu/h	130,700	151,200	167,200
	Heating (Total)	kW	44.1	50.4	56.7
		Btu/h	150,500	172,000	193,500
	Heating (Net)	kW	38.0	43.3	49.5
		Btu/h	129,700	147,700	168,900
Power Input	Cooling (Total)	kW	8.39	10.41	9.83
	Heating (Total)	kW	9.72	12.39	11.94
EER	Total	W/W	4.67	4.30	5.13
	Net	W/W	3.80	3.33	3.80
COP	Total	W/W	4.54	4.07	4.75
	Net	W/W	4.00	3.44	4.27
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1 + 4,200 x 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	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
		ft^3/min	1,1301 x 1	1,1301 x 1	1,1301 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)
	Low Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
	High Pressure Gas Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	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	(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
		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	(48-13/16 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	237 x 1	237 x 1	300 x 1
		lbs	522 x 1	522 x 1	661 x 1
Sound Pressure Level	Cooling / Heating	dB(A)	60.0 / 61.0	60.5 / 61.5	61.0 / 62.0
Sound Power Level	Cooling / Heating	dB(A)	82.0 / 84.0	83.0 / 85.0	85.0 / 86.0
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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.5	13.5	16.0
		lbs	29.8	29.8	35.3
	t-CO_2eq		28.2	28.2	33.4
	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 7)			23 (35)	26 (40)	29 (45)

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM200LTE5 / ARUM220LTE5 / ARUM221LTE5



LG participates in the ECP programme for EUROVENT VRF program.
Check ongoing validity of certification
: www.eurovent-certification.com

* 8~20HP Outdoor only.

HP			20	22	22'
Model Name	Combination Unit		ARUM200LTE5	ARUM220LTE5	ARUM221LTE5
	Independent Unit		ARUM200LTE5	ARUM220LTE5	ARUM120LTE5 ARUM100LTE5
Capacity	Cooling (Total)	kW	56.0	61.6	61.6
		Btu/h	191,100	210,200	210,200
	Cooling (Net)	kW	54.8	60.0	59.8
		Btu/h	187,000	204,700	204,100
	Heating (Total)	kW	63.0	69.3	69.3
		Btu/h	215,000	236,500	236,500
	Heating (Net)	kW	55.5	59.5	60.9
		Btu/h	189,400	203,000	207,800
Power Input	Cooling (Total)	kW	11.51	14.15	12.10
	Heating (Total)	kW	14.69	16.76	14.18
EER	Total	W/W	4.87	4.35	5.11
	Net	W/W	3.66	3.34	3.95
COP	Total	W/W	4.29	4.13	4.89
	Net	W/W	3.97	3.84	4.33
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	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
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 x 2	900 x 2	(1200 x 1) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	320 x 1	320 x 1	(240 x 1) + (240 x 1)
		ft^3/min	1,1301 x 1	1,1301 x 1	(8,476 x 1) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Low Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
	High Pressure Gas Pipe	mm (inch)	22.2 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	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)
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 + (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 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	300 x 1	300 x 1	(215 x 1) + (215 x 1)
		lbs	661 x 1	661 x 1	(474 x 1) + (474 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.0 / 64.5	64.5 / 65.5	61.5 / 62.5
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 87.0	86.0 / 88.0	81.5 / 82.5
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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0	16.0	19.0
		lbs	35.3	35.3	41.9
	t-CO_2eq		33.4	33.4	39.7
	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 7)			32 (50)	35 (56)	35 (44)

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM240LTE5 / ARUM241LTE5 / ARUM260LTE5



HP			24	24'	26
Model Name	Combination Unit		ARUM240LTE5	ARUM241LTE5	ARUM260LTE5
	Independent Unit		ARUM240LTE5	ARUM120LTE5 ARUM120LTE5	ARUM260LTE5
Capacity	Cooling (Total)	kW	67.2	67.2	72.8
		Btu/h	229,300	229,300	248,400
	Cooling (Net)	kW	66.0	65.0	70.5
		Btu/h	225,200	221,800	240,600
	Heating (Total)	kW	74.3	75.6	74.3
		Btu/h	253,400	257,900	253,400
	Heating (Net)	kW	65.3	66.6	65.8
		Btu/h	222,800	227,300	224,500
Power Input	Cooling (Total)	kW	15.91	13.70	18.03
	Heating (Total)	kW	18.80	16.52	19.15
EER	Total	W/W	4.22	4.91	4.04
	Net	W/W	3.34	3.90	3.11
COP	Total	W/W	3.95	4.58	3.88
	Net	W/W	4.32	4.16	4.45
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 x 2	(1200 x 1) + (1,200 x 1)	900 x 2
	Air Flow Rate (High)	m^3/min	320 x 1	(240 x 1) + (240 x 1)	320 x 1
		ft^3/min	1,1301 x 1	(8,476 x 1) + (8,476 x 1)	1,1301 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
	High Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	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	(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	(1,240 x 1,690 x 760) x 1
		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 + (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	310 x 1	(215 x 1) + (215 x 1)	310 x 1
		lbs	683 x 1	(474 x 1) + (474 x 1)	683 x 1
Sound Pressure Level	Cooling / Heating	dB(A)	65.0 / 67.0	62.0 / 63.0	65.0 / 67.0
Sound Power Level	Cooling / Heating	dB(A)	88.0 / 90.0	82.0 / 83.0	88.0 / 90.0
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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	17.0	19.0	17.0
		lbs	37.5	41.9	37.5
	t-CO_2eq		35.5	39.7	35.5
	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 7)			39 (61)	39 (48)	42 (64)

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM261LTE5 / ARUM280LTE5 / ARUM300LTE5



HP			26'	28	30
Model Name	Combination Unit		ARUM261LTE5	ARUM280LTE5	ARUM300LTE5
	Independent Unit		ARUM140LTE5 ARUM120LTE5	ARUM160LTE5 ARUM120LTE5	ARUM180LTE5 ARUM120LTE5
Capacity	Cooling (Total)	kW	72.8	78.4	84.0
		Btu/h	248,400	267,500	286,600
	Cooling (Net)	kW	70.8	76.8	81.5
		Btu/h	241,600	262,100	278,100
	Heating (Total)	kW	81.9	88.2	94.5
		Btu/h	279,400	300,900	322,400
	Heating (Net)	kW	71.3	76.6	82.8
		Btu/h	243,300	261,400	282,600
Power Input	Cooling (Total)	kW	15.20	17.26	16.68
	Heating (Total)	kW	17.98	20.65	20.20
EER	Total	W/W	4.78	4.56	5.04
	Net	W/W	3.85	3.55	3.84
COP	Total	W/W	4.56	4.27	4.68
	Net	W/W	4.07	3.72	4.22
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		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)
	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 (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
	High Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Pipe Connections (Heat Pump System)	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	(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
		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 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 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(237 x 1) + (215 x 1)	(237 x 1) + (215 x 1)	(300 x 1) + (215 x 1)
		lbs	(522 x 1) + (474 x 1)	(522 x 1) + (474 x 1)	(661 x 1) + (474 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.5 / 63.5	62.8 / 63.8	63.1 / 64.1
Sound Power Level	Cooling / Heating	dB(A)	83.8 / 85.5	84.5 / 86.2	86.0 / 87.0
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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	23.0	23.0	25.5
		lbs	50.7	50.7	56.2
	t-CO_2eq		48.0	48.0	53.2
	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
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units 7)			42 (52)	45 (56)	49 (60)

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM320LTE5 / ARUM340LTE5 / ARUM360LTE5



HP			32	34	36
Model Name	Combination Unit		ARUM320LTE5	ARUM340LTE5	ARUM360LTE5
	Independent Unit		ARUM200LTE5 ARUM120LTE5	ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM120LTE5
Capacity	Cooling (Total)	kW	89.6	95.2	100.8
		Btu/h	305,700	324,800	343,900
	Cooling (Net)	kW	87.3	92.5	98.5
		Btu/h	297,900	315,700	336,100
	Heating (Total)	kW	100.8	107.1	112.1
		Btu/h	343,900	365,400	382,300
	Heating (Net)	kW	88.8	92.8	98.6
		Btu/h	303,000	316,700	336,500
Power Input	Cooling (Total)	kW	18.35	21.00	22.76
	Heating (Total)	kW	22.95	25.02	27.06
EER	Total	W/W	4.89	4.55	4.45
	Net	W/W	3.75	3.52	3.51
COP	Total	W/W	4.39	4.28	4.14
	Net	W/W	4.04	3.95	4.26
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	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
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		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)
	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 (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Pipe Connections (Heat Pump System)	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)	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 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
		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 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 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(300 x 1) + (215 x 1)	(300 x 1) + (215 x 1)	(310 x 1) + (215 x 1)
		lbs	(661 x 1) + (474 x 1)	(661 x 1) + (474 x 1)	(683 x 1) + (474 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	63.8 / 65.8	65.6 / 66.6	66.0 / 67.8
Sound Power Level	Cooling / Heating	dB(A)	86.8 / 87.8	86.8 / 88.6	88.5 / 90.4
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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	25.5	25.5	26.5
		lbs	56.2	56.2	58.4
	t-CO_2eq		53.2	53.2	55.3
	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 7)			52 (64)	55 (64)	58 (64)

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM380LTE5 / ARUM400LTE5 / ARUM420LTE5



HP			38	40	42
Model Name	Combination Unit		ARUM380LTE5	ARUM400LTE5	ARUM420LTE5
	Independent Unit		ARUM240LTE5 ARUM140LTE5	ARUM240LTE5 ARUM160LTE5	ARUM240LTE5 ARUM180LTE5
Capacity	Cooling (Total)	kW	106.4	112.0	117.6
		Btu/h	363,000	382,100	401,300
	Cooling (Net)	kW	104.3	110.3	115.0
		Btu/h	355,900	376,400	392,400
	Heating (Total)	kW	118.4	124.7	131.0
		Btu/h	403,800	425,300	446,800
	Heating (Net)	kW	103.3	108.6	114.8
		Btu/h	352,500	370,600	391,700
Power Input	Cooling (Total)	kW	24.30	26.32	25.74
	Heating (Total)	kW	28.52	31.19	30.74
EER	Total	W/W	4.39	4.25	4.61
	Net	W/W	3.50	3.33	3.52
COP	Total	W/W	4.15	4.00	4.26
	Net	W/W	4.20	3.92	4.30
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	(5,300 × 3) + (4,200 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 x 4	900 x 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 x 2	320 x 2	320 × 2
		ft^3/min	11,301 x 2	11,301 x 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Pipe Connections (Heat Pump System)	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	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2	(1,240 ×1,690 × 760) × 2
		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	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(310 x 1) + (237 x 1)	(310 x 1) + (237 x 1)	(310 × 1) + (300 × 1)
		lbs	(683 x 1) + (522 x 1)	(683 x 1) + (522 x 1)	(683 × 1) + (661 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	66.2 / 68.0	66.3 / 68.1	66.5 / 68.2
Sound Power Level	Cooling / Heating	dB(A)	89.0 / 91.0	89.2 / 91.2	89.8 / 91.5
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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	30.5	30.5	33.0
		lbs	67.2	67.2	72.8
	t-CO_2eq		63.7	63.7	68.9
	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 7)			61 (64)	64	64

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM440LTE5 / ARUM460LTE5 / ARUM480LTE5



HP			44	46	48
Model Name	Combination Unit		ARUM440LTE5	ARUM460LTE5	ARUM480LTE5
	Independent Unit		ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM220LTE5	ARUM240LTE5 ARUM240LTE5
Capacity	Cooling (Total)	kW	123.2	128.8	134.4
		Btu/h	420,400	439,500	458,600
	Cooling (Net)	kW	120.8	126.0	132.0
		Btu/h	412,200	430,000	450,400
	Heating (Total)	kW	137.3	143.6	148.5
		Btu/h	468,300	489,800	506,700
	Heating (Net)	kW	120.8	124.8	130.6
		Btu/h	412,200	425,900	445,700
Power Input	Cooling (Total)	kW	27.41	30.06	31.82
	Heating (Total)	kW	33.49	35.56	37.60
EER	Total	W/W	4.52	4.28	4.22
	Net	W/W	3.48	3.34	3.34
COP	Total	W/W	4.10	4.04	3.95
	Net	W/W	4.15	4.07	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 3) + (4,200 × 1)	(5,300 × 3) + (4,200 × 1)	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 2
		ft^3/min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Pipe Connections (Heat Pump System)	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	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(310 × 1) + (300 × 1)	(310 × 1) + (300 × 1)	310 × 2
		lbs	(683 × 1) + (661 × 1)	(683 × 1) + (661 × 1)	683 × 2
Sound Pressure Level	Cooling / Heating	dB(A)	66.8 / 68.9	67.8 / 69.3	68.0 / 70.0
Sound Power Level	Cooling / Heating	dB(A)	90.1 / 91.8	90.1 / 92.1	91.0 / 93.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.0	33.0	34.0
		lbs	72.8	72.8	75.0
	t-CO_2eq		68.9	68.9	71.0
	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			64	64	64

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM500LTE5 / ARUM520LTE5 / ARUM540LTE5



HP			50	52	54
Model Name	Combination Unit		ARUM500LTE5	ARUM520LTE5	ARUM540LTE5
	Independent Unit		ARUM240LTE5 ARUM140LTE5 ARUM120LTE5	ARUM240LTE5 ARUM160LTE5 ARUM120LTE5	ARUM240LTE5 ARUM180LTE5 ARUM120LTE5
Capacity	Cooling (Total)	kW	140.0	145.6	151.2
		Btu/h	477,700	496,800	515,900
	Cooling (Net)	kW	136.8	142.8	147.5
		Btu/h	466,800	487,300	503,300
	Heating (Total)	kW	156.2	162.5	168.8
		Btu/h	532,800	554,300	575,800
	Heating (Net)	kW	136.6	141.9	148.1
		Btu/h	466,100	484,200	505,400
Power Input	Cooling (Total)	kW	31.15	33.17	32.59
	Heating (Total)	kW	36.78	39.45	39.00
EER	Total	W/W	4.51	4.40	4.68
	Net	W/W	3.58	3.45	3.60
COP	Total	W/W	4.25	4.12	4.33
	Net	W/W	4.19	3.97	4.27
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 4	5,300 × 4	(5,300 × 4) + (4,200 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft^3/min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Pipe Connections (Heat Pump System)	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	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(310 × 1) + (237 × 1) + (215 × 1)	(310 × 1) + (237 × 1) + (215 × 1)	(310 × 1) + (300 × 1) + (215 × 1)
		lbs	(683 × 1) + (522 × 1) + (474 × 1)	(683 × 1) + (522 × 1) + (474 × 1)	(683 × 1) + (661 × 1) + (474 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	67.0 / 68.6	67.1 / 68.7	67.2 / 68.8
Sound Power Level	Cooling / Heating	dB(A)	89.4 / 91.3	89.6 / 91.5	90.1 / 91.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	40.0	40.0	42.5
		lbs	88.2	88.2	93.7
	t-CO_2eq		83.5	83.5	88.7
	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

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM560LTE5 / ARUM580LTE5 / ARUM600LTE5



HP			56	58	60
Model Name	Combination Unit		ARUM560LTE5	ARUM580LTE5	ARUM600LTE5
	Independent Unit		ARUM240LTE5 ARUM200LTE5 ARUM120LTE5	ARUM240LTE5 ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM120LTE5
Capacity	Cooling (Total)	kW	156.8	162.4	168.0
		Btu/h	535,000	554,100	573,200
	Cooling (Net)	kW	153.3	158.5	164.5
		Btu/h	523,100	540,900	561,300
	Heating (Total)	kW	175.1	181.4	186.3
		Btu/h	597,300	618,800	635,700
	Heating (Net)	kW	154.1	158.1	163.9
		Btu/h	525,800	539,500	559,300
Power Input	Cooling (Total)	kW	34.26	36.91	38.67
	Heating (Total)	kW	41.75	43.82	45.86
EER	Total	W/W	4.60	4.41	4.36
	Net	W/W	3.56	3.44	3.44
COP	Total	W/W	4.19	4.14	4.06
	Net	W/W	4.15	4.09	4.29
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 4) + (4,200 × 1)	(5,300 × 4) + (4,200 × 1)	5,300 × 5
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft^3/min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Pipe Connections (Heat Pump System)	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	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(310 × 1) + (300 × 1) + (215 × 1)	(310 × 1) + (300 × 1) + (215 × 1)	(310 × 2) + (215 × 1)
		lbs	(683 × 1) + (661 × 1) + (474 × 1)	(683 × 1) + (661 × 1) + (474 × 1)	(683 × 2) + (474 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	67.4 / 69.5	68.3 / 69.8	68.5 / 70.4
Sound Power Level	Cooling / Heating	dB(A)	90.4 / 92.0	90.4 / 92.4	91.3 / 93.2
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	42.5	42.5	43.5
		lbs	93.7	93.7	95.9
	t-CO_2eq		88.7	88.7	90.8
	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			64	64	64

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

1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM620LTE5 / ARUM640LTE5 / ARUM660LTE5



HP			62	64	66
Model Name	Combination Unit		ARUM620LTE5	ARUM640LTE5	ARUM660LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM140LTE5	ARUM240LTE5 ARUM240LTE5 ARUM160LTE5	ARUM240LTE5 ARUM240LTE5 ARUM180LTE5
Capacity	Cooling (Total)	kW	173.6	179.2	184.8
		Btu/h	592,300	611,400	630,500
	Cooling (Net)	kW	170.3	176.3	181.0
		Btu/h	581,100	601,600	617,600
	Heating (Total)	kW	192.6	198.9	205.2
		Btu/h	657,200	678,700	700,200
	Heating (Net)	kW	168.6	173.9	180.1
		Btu/h	575,300	593,400	614,600
Power Input	Cooling (Total)	kW	40.21	42.23	41.65
	Heating (Total)	kW	47.32	49.99	49.54
EER	Total	W/W	4.32	4.24	4.47
	Net	W/W	3.43	3.34	3.45
COP	Total	W/W	4.07	3.98	4.14
	Net	W/W	4.24	4.06	4.30
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 5	5,300 × 5	(5,300 × 5) + (4,200 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 ×1,690× 760) × 3	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(310 × 2) + (237 × 1)	(310 × 2) + (237 × 1)	(310 × 2) + (300 × 1)
		lbs	(683 × 2) + (522 × 1)	(683 × 2) + (522 × 1)	(683 × 2) + (661 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	68.6 / 70.5	68.7 / 70.6	68.8 / 70.6
Sound Power Level	Cooling / Heating	dB(A)	91.5 / 93.5	91.6 / 93.6	92.0 / 93.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	47.5	47.5	50.0
		lbs	104.7	104.7	110.2
	t-CO_2eq		99.2	99.2	104.4
	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

NOTE : Eurovent Test Condition : For more info regarding program, consult www.eurovent-certification.com
1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM680LTE5 / ARUM700LTE5 / ARUM720LTE5



HP			68	70	72
Model Name	Combination Unit		ARUM680LTE5	ARUM700LTE5	ARUM720LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM240LTE5 ARUM220LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5
Capacity	Cooling (Total)	kW	190.4	196.0	201.6
		Btu/h	649,600	668,800	687,900
	Cooling (Net)	kW	186.8	192.0	198.0
		Btu/h	637,400	655,200	675,600
	Heating (Total)	kW	211.5	217.8	222.8
		Btu/h	721,700	743,200	760,100
	Heating (Net)	kW	186.1	190.1	195.9
		Btu/h	635,000	648,700	668,500
Power Input	Cooling (Total)	kW	43.32	45.97	47.73
	Heating (Total)	kW	52.29	54.36	56.40
EER	Total	W/W	4.41	4.26	4.22
	Net	W/W	3.43	3.34	3.34
COP	Total	W/W	4.05	4.01	3.95
	Net	W/W	4.21	4.16	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 5) + (4,200 × 1)	(5,300 × 5) + (4,200 × 1)	5,300 × 6
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	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	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(310 × 2) + (300 × 1)	(310 × 2) + (300 × 1)	310 × 3
		lbs	(683 × 2) + (661 × 1)	(683 × 2) + (661 × 1)	683 × 3
Sound Pressure Level	Cooling / Heating	dB(A)	69.0 / 71.1	69.6 / 71.3	69.8 / 71.8
Sound Power Level	Cooling / Heating	dB(A)	92.2 / 94.0	92.2 / 94.2	92.8 / 94.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	50.0	50.0	51.0
		lbs	110.2	110.2	112.4
	t-CO_2eq		104.4	104.4	106.5
	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

NOTE : Eurovent Test Condition : For more info regarding program, consult www.eurovent-certification.com
1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM740LTE5 / ARUM760LTE5 / ARUM780LTE5



HP			74	76	78
Model Name	Combination Unit		ARUM740LTE5	ARUM760LTE5	ARUM780LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM140LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM160LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM180LTE5 ARUM120LTE5
Capacity	Cooling (Total)	kW	207.2	212.8	218.4
		Btu/h	707,000	726,100	745,200
	Cooling (Net)	kW	202.8	208.8	213.5
		Btu/h	692,000	712,500	728,500
	Heating (Total)	kW	230.4	236.7	243.0
		Btu/h	786,200	807,700	829,200
	Heating (Net)	kW	201.9	207.2	213.4
		Btu/h	688,900	707,000	728,200
Power Input	Cooling (Total)	kW	47.06	49.08	48.50
	Heating (Total)	kW	55.58	58.25	57.80
EER	Total	W/W	4.42	4.35	4.54
	Net	W/W	3.50	3.41	3.52
COP	Total	W/W	4.15	4.06	4.20
	Net	W/W	4.23	4.08	4.28
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 6	5,300 × 6	(5,300 × 6) + (4,200 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft^3/min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	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	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(310 × 2) + (237 × 1) + (215 × 1)	(310 × 2) + (237 × 1) + (215 × 1)	(310 × 2) + (300 × 1) + (215 × 1)
		lbs	(683 × 2) + (522 × 1) + (474 × 1)	(683 × 2) + (522 × 1) + (474 × 1)	(683 × 2) + (661 × 1) + (474 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	69.1 / 70.9	69.2 / 70.9	69.2 / 71.0
Sound Power Level	Cooling / Heating	dB(A)	91.8 / 93.7	91.9 / 93.8	92.2 / 94.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	57.0	57.0	59.5
		lbs	125.7	125.7	131.2
	t-CO_2eq		119.0	119.0	124.2
	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
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : Eurovent Test Condition : For more info regarding program, consult www.eurovent-certification.com
1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM800LTE5 / ARUM820LTE5 / ARUM840LTE5



HP			80	82	84
Model Name	Combination Unit		ARUM800LTE5	ARUM820LTE5	ARUM840LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM200LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM120LTE5
Capacity	Cooling (Total)	kW	224.0	229.6	235.2
		Btu/h	764,300	783,400	802,500
	Cooling (Net)	kW	219.3	224.5	230.5
		Btu/h	748,300	766,000	786,500
	Heating (Total)	kW	249.3	255.6	260.6
		Btu/h	850,700	872,100	889,100
	Heating (Net)	kW	219.4	223.4	229.2
		Btu/h	748,600	762,300	782,100
Power Input	Cooling (Total)	kW	50.17	52.82	54.58
	Heating (Total)	kW	60.55	62.62	64.66
EER	Total	W/W	4.49	4.36	4.32
	Net	W/W	3.49	3.41	3.41
COP	Total	W/W	4.12	4.08	4.03
	Net	W/W	4.20	4.16	4.30
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 6) + (4,200 × 1)	(5,300 × 6) + (4,200 × 1)	5,300 × 7
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft^3/min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	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	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(310 × 2) + (300 × 1) + (215 × 1)	(310 × 2) + (300 × 1) + (215 × 1)	(310 × 3) + (215 × 1)
		lbs	(683 × 2) + (661 × 1) + (474 × 1)	(683 × 2) + (661 × 1) + (474 × 1)	(683 × 3) + (474 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	69.4 / 71.4	70.0 / 71.6	70.1 / 72.1
Sound Power Level	Cooling / Heating	dB(A)	92.4 / 94.2	92.4 / 94.4	92.9 / 94.9
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	59.5	59.5	60.5
		lbs	131.2	131.2	133.4
	t-CO_2eq		124.2	124.2	126.3
	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

NOTE : Eurovent Test Condition : For more info regarding program, consult www.eurovent-certification.com
1. Capacities are based on the following conditions (ISO 15042)
   - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
     ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   - Piping Length : Interconnected Pipe Length = 7.5m
   - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM860LTE5 / ARUM880LTE5 / ARUM900LTE5



HP			86	88	90
Model Name	Combination Unit		ARUM860LTE5	ARUM880LTE5	ARUM900LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM140LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM160LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM180LTE5
Capacity	Cooling (Total)	kW	240.8	246.4	252.0
		Btu/h	821,600	840,700	859,800
	Cooling (Net)	kW	236.3	242.3	247.0
		Btu/h	806,300	826,800	842,800
	Heating (Total)	kW	266.9	273.2	279.5
		Btu/h	910,600	932,000	953,500
	Heating (Net)	kW	233.9	239.2	245.4
		Btu/h	798,100	816,200	837,400
Power Input	Cooling (Total)	kW	56.12	58.14	57.56
	Heating (Total)	kW	66.12	68.79	68.34
EER	Total	W/W	4.29	4.23	4.40
	Net	W/W	3.41	3.34	3.42
COP	Total	W/W	4.04	3.97	4.09
	Net	W/W	4.26	4.13	4.31
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 7	5,300 × 7	(5,300 × 7) + (4,200 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 × 4	320 × 4	320 × 4
		ft^3/min	11,301 × 4	11,301 × 4	11,301 × 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	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	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4
Net Weight		kg	(310 × 3) + (237 × 1)	(310 × 3) + (237 × 1)	(310 × 3) + (300 × 1)
		lbs	(683 × 3) + (522 × 1)	(683 × 3) + (522 × 1)	(683 × 3) + (661 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	70.2 / 72.1	70.3 / 72.2	70.3 / 72.2
Sound Power Level	Cooling / Heating	dB(A)	93.1 / 95.1	93.2 / 95.2	93.4 / 95.3
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	64.5	64.5	67.0
		lbs	142.2	142.2	147.7
	t-CO_2eq		134.6	134.6	139.9
	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

NOTE : Eurovent Test Condition : For more info regarding program, consult www.eurovent-certification.com
1. Capacities are based on the following conditions (ISO 15042)
   • Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
   ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   • Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   • Piping Length : Interconnected Pipe Length = 7.5m
   • Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM920LTE5 / ARUM940LTE5 / ARUM960LTE5



HP			92	94	96
Model Name	Combination Unit		ARUM920LTE5	ARUM940LTE5	ARUM960LTE5
	Independent Unit		ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM220LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM240LTE5
Capacity	Cooling (Total)	kW	257.6	263.2	268.8
		Btu/h	878,900	898,000	917,100
	Cooling (Net)	kW	252.8	258.0	264.0
		Btu/h	862,600	880,300	900,800
	Heating (Total)	kW	285.8	292.1	297.0
		Btu/h	975,000	996,500	1,013,400
	Heating (Net)	kW	251.4	255.4	261.2
		Btu/h	857,800	871,500	891,300
Power Input	Cooling (Total)	kW	59.23	61.88	63.64
	Heating (Total)	kW	71.09	73.16	75.20
EER	Total	W/W	4.36	4.25	4.22
	Net	W/W	3.40	3.34	3.34
COP	Total	W/W	4.02	3.99	3.95
	Net	W/W	4.24	4.20	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 7) + (4,200 × 1)	(5,300 × 7) + (4,200 × 1)	5,300 × 8
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 × 4	320 × 4	320 × 4
		ft^3/min	11,301 × 4	11,301 × 4	11,301 × 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	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	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4
Net Weight		kg	(310 × 3) + (300 × 1)	(310 × 3) + (300 × 1)	310 × 4
		lbs	(683 × 3) + (661 × 1)	(683 × 3) + (661 × 1)	683 × 4
Sound Pressure Level	Cooling / Heating	dB(A)	70.4 / 72.5	70.9 / 72.7	71.0 / 73.0
Sound Power Level	Cooling / Heating	dB(A)	93.6 / 95.4	93.6 / 95.6	94.0 / 96.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	67.0	67.0	68.0
		lbs	147.7	147.7	149.9
	t-CO_2eq		139.9	139.9	142.0
	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			64	64	64

NOTE : Eurovent Test Condition : For more info regarding program, consult www.eurovent-certification.com
1. Capacities are based on the following conditions (ISO 15042)
   • Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
   ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
   • Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
   • Piping Length : Interconnected Pipe Length = 7.5m
   • Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN080LTE5 / ARUN100LTE5 / ARUN120LTE5



HP			8	10	12
Model Name	Combination Unit		ARUN080LTE5	ARUN100LTE5	ARUN120LTE5
	Independent Unit		ARUN080LTE5	ARUN100LTE5	ARUN120LTE5
Capacity (Rated)	Cooling	kW	22.4	28.0	33.6
		Btu/h	76,400	95,500	114,600
	Heating	kW	25.2	31.5	37.8
		Btu/h	86,000	107,500	129,000
Input (Rated)	Cooling	kW	4.59	5.70	7.91
	Heating	kW	4.74	5.78	8.06
EER (Rated)		W/W	4.88	4.91	4.25
COP (Rated)		W/W	5.32	5.45	4.69
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1	5,300 × 1
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	1,200 × 1	1,200 × 1	1,200 × 1
	Air Flow Rate (High)	m^3/min	240 × 1	240 × 1	240 × 1
		ft^3/min	8,476 × 1	8,476 × 1	8,476 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm	(930 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 1
		inch	(36-5/8 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	188 × 1	188 × 1	188 × 1
		lbs	414 × 1	414 × 1	414 × 1
Sound Pressure Level	Cooling / Heating	dB(A)	58.0 / 59.0	58.0 / 59.0	59.0 / 60.0
Sound Power Level	Cooling / Heating	dB(A)	78.0 / 79.0	78.0 / 79.0	79.0 / 80.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	10.0	10.0	10.0
		lbs	22.0	22.0	22.0
	t-CO_2eq		20.9	20.9	20.9
	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 [8]			13 (20)	16 (25)	20 (30)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

STANDARD

ARUN140LTE5 / ARUN160LTE5 / ARUN180LTE5



HP			14	16	18
Model Name	Combination Unit		ARUN140LTE5	ARUN160LTE5	ARUN180LTE5
	Independent Unit		ARUN140LTE5	ARUN160LTE5	ARUN180LTE5
Capacity (Rated)	Cooling	kW	39.2	44.8	50.4
		Btu/h	133,800	152,900	172,000
	Heating	kW	44.1	50.4	56.7
		Btu/h	150,500	172,000	193,500
Input (Rated)	Cooling	kW	9.12	10.80	10.96
	Heating	kW	9.78	11.59	12.06
EER (Rated)		W/W	4.30	4.15	4.60
COP (Rated)		W/W	4.51	4.35	4.70
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1	5,300 × 1 + 4,200 × 1
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m^3/min	320 × 1	320 × 1	320 × 1
		ft^3/min	11,301 × 1	11,301 × 1	11,301 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	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	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	220 × 1	220 × 1	260 × 1
		lbs	485 × 1	485 × 1	573 × 1
Sound Pressure Level	Cooling / Heating	dB(A)	60.0 / 61.0	60.5 / 61.5	61.0 / 62.0
Sound Power Level	Cooling / Heating	dB(A)	82.0 / 84.0	83.0 / 85.0	85.0 / 86.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0	13.0	13.0
		lbs	28.7	28.7	28.7
	t-CO_2eq		27.1	27.1	27.1
	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
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units [8]			23 (35)	26 (40)	29 (45)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN200LTE5 / ARUN220LTE5 / ARUN221LTE5



HP			20	22	22'
Model Name	Combination Unit		ARUN200LTE5	ARUN220LTE5	ARUN221LTE5
	Independent Unit		ARUN200LTE5	ARUN220LTE5	ARUN120LTE5 ARUN100LTE5
Capacity (Rated)	Cooling	kW	56.0	61.6	61.6
		Btu/h	191,100	210,200	210,100
	Heating	kW	63.0	69.3	69.3
		Btu/h	215,000	236,500	236,500
Input (Rated)	Cooling	kW	12.31	14.84	13.60
	Heating	kW	15.52	17.54	13.80
EER (Rated)		W/W	4.55	4.15	4.53
COP (Rated)		W/W	4.06	3.95	5.01
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2	5,300 × 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	900 × 2	(1,200 × 1) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	320 × 1	320 × 1	(240 × 1) + (240 × 1)
		ft^3/min	11,301 × 1	11,301 × 1	(8,476 × 1) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	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)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	274 × 1	274 × 1	188 × 2
		lbs	604 × 1	604 × 1	414 × 2
Sound Pressure Level	Cooling / Heating	dB(A)	62.0 / 64.5	64.5 / 65.5	61.5 / 62.5
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 87.0	86.0 / 88.0	81.5 / 82.5
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0	14.0	10.0 + 10.0
		lbs	30.9	30.9	22.0 + 22.0
	t-CO_2eq		29.2	29.2	41.8
	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 [8]			32 (50)	35 (56)	35 (44)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

STANDARD

ARUN240LTE5 / ARUN241LTE5 / ARUN260LTE5



HP			24	24'	26
Model Name	Combination Unit		ARUN240LTE5	ARUN241LTE5	ARUN260LTE5
	Independent Unit		ARUN240LTE5	ARUN120LTE5 ARUN120LTE5	ARUN260LTE5
Capacity (Rated)	Cooling	kW	67.2	67.2	72.8
		Btu/h	229,300	229,200	248,400
	Heating	kW	74.3	75.6	74.3
		Btu/h	253,400	258,000	253,400
Input (Rated)	Cooling	kW	16.76	15.81	19.41
	Heating	kW	18.85	16.12	19.49
EER (Rated)		W/W	4.01	4.25	3.75
COP (Rated)		W/W	3.94	4.69	3.81
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2	5,300 × 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	(1,200 × 1) + (1,200 × 1)	900 × 2
	Air Flow Rate (High)	m^3/min	320 × 1	(240 × 1) + (240 × 1)	320 × 1
		ft^3/min	11,301 × 1	(8,476 × 1) + (8,476 × 1)	11,301 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	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	(1,240 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(36-5/8 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	276 × 1	188 × 2	276 × 1
		lbs	608 × 1	414 × 2	608 × 1
Sound Pressure Level	Cooling / Heating	dB(A)	65.0 / 67.0	62.0 / 63.0	65.0 / 67.0
Sound Power Level	Cooling / Heating	dB(A)	88.0 / 90.0	82.0 / 83.0	88.0 / 90.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0	10.0 + 10.0	16.0
		lbs	35.3	22.0 + 22.0	35.3
	t-CO_2eq		33.4	41.8	33.4
	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 [8]			39 (61)	39 (48)	42 (64)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN261LTE5 / ARUN280LTE5 / ARUN300LTE5



HP			26'	28	30
Model Name	Combination Unit		ARUN261LTE5	ARUN280LTE5	ARUN300LTE5
	Independent Unit		ARUN140LTE5 ARUN120LTE5	ARUN160LTE5 ARUN120LTE5	ARUN180LTE5 ARUN120LTE5
Capacity (Rated)	Cooling	kW	72.8	78.4	84.0
		Btu/h	248,400	267,500	286,600
	Heating	kW	81.9	88.2	94.5
		Btu/h	279,500	301,000	322,500
Input (Rated)	Cooling	kW	17.02	18.70	18.86
	Heating	kW	17.84	19.65	20.12
EER (Rated)		W/W	4.28	4.19	4.45
COP (Rated)		W/W	4.59	4.49	4.70
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2	(5,300 × 2) + (4,200 × 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
		ft^3/min	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(220 × 1) + (188 × 1)	(220 × 1) + (188 × 1)	(260 × 1) + (188 × 1)
		lbs	(485 × 1) + (414 × 1)	(485 × 1) + (414 × 1)	(573 × 1) + (414 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.5 / 63.5	62.8 / 63.8	63.1 / 64.1
Sound Power Level	Cooling / Heating	dB(A)	83.8 / 85.5	84.5 / 86.2	86.0 / 87.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 10.0	13.0 + 10.0	13.0 + 10.0
		lbs	28.7 + 22.0	28.7 + 22.0	28.7 + 22.0
	t-CO_2eq		48.0	48.0	48.0
	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 [8]			42 (52)	45 (56)	49 (60)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

STANDARD

ARUN320LTE5 / ARUN340LTE5 / ARUN360LTE5



HP			32	34	36
Model Name	Combination Unit		ARUN320LTE5	ARUN340LTE5	ARUN360LTE5
	Independent Unit		ARUN200LTE5 ARUN120LTE5	ARUN220LTE5 ARUN120LTE5	ARUN240LTE5 ARUN120LTE5
Capacity (Rated)	Cooling	kW	89.6	95.2	100.8
		Btu/h	305,700	324,800	343,900
	Heating	kW	100.8	107.1	112.1
		Btu/h	344,000	365,500	382,400
Input (Rated)	Cooling	kW	20.21	22.75	24.66
	Heating	kW	23.58	25.60	26.91
EER (Rated)		W/W	4.43	4.18	4.09
COP (Rated)		W/W	4.28	4.18	4.16
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 2) + (4,200 × 1)	5,300 × 3	5,300 × 3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
		ft^3/min	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(274 × 1) + (188 × 1)	(274 × 1) + (188 × 1)	(276 × 1) + (188 × 1)
		lbs	(604 × 1) + (414 × 1)	(604 × 1) + (414 × 1)	(608 × 1) + (414 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	63.8 / 65.8	65.6 / 66.6	66.0 / 67.8
Sound Power Level	Cooling / Heating	dB(A)	86.8 / 87.8	86.8 / 88.6	88.5 / 90.4
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 10.0	14.0 + 10.0	16.0 + 10.0
		lbs	30.9 + 22.0	30.9 + 22.0	35.3 + 22.0
	t-CO_2eq		50.1	50.1	54.3
	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 [8]			52 (64)	55 (64)	58 (64)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN380LTE5 / ARUN400LTE5 / ARUN420LTE5



HP			38	40	42
Model Name	Combination Unit		ARUN380LTE5	ARUN400LTE5	ARUN420LTE5
	Independent Unit		ARUN240LTE5 ARUN140LTE5	ARUN240LTE5 ARUN160LTE5	ARUN240LTE5 ARUN180LTE5
Capacity (Rated)	Cooling	kW	106.4	112.0	117.6
		Btu/h	363,100	382,200	401,300
	Heating	kW	118.4	124.7	131.0
		Btu/h	403,900	425,400	446,900
Input (Rated)	Cooling	kW	25.87	27.55	27.71
	Heating	kW	28.62	30.43	30.91
EER (Rated)		W/W	4.11	4.06	4.24
COP (Rated)		W/W	4.13	4.10	4.24
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 3	5,300 × 3	(5,300 × 3) + (4,200 × 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 2
		ft^3/min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(276 × 1) + (220 × 1)	(276 × 1) + (220 × 1)	(276 × 1) + (260 × 1)
		lbs	(608 × 1) + (485 × 1)	(608 × 1) + (485 × 1)	(608 × 1) + (573 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	66.2 / 68.0	66.3 / 68.1	66.5 / 68.2
Sound Power Level	Cooling / Heating	dB(A)	89.0 / 91.0	89.2 / 91.2	89.8 / 91.5
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0 + 13.0	16.0 + 13.0	16.0 + 13.0
		lbs	35.3 + 28.7	35.3 + 28.7	35.3 + 28.7
	t-CO_2eq		60.5	60.5	60.5
	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 [8]			61 (64)	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

STANDARD

ARUN440LTE5 / ARUN460LTE5 / ARUN480LTE5



HP			44	46	48
Model Name	Combination Unit		ARUN440LTE5	ARUN460LTE5	ARUN480LTE5
	Independent Unit		ARUN240LTE5 ARUN200LTE5	ARUN240LTE5 ARUN220LTE5	ARUN240LTE5 ARUN240LTE5
Capacity (Rated)	Cooling	kW	123.2	128.8	134.4
		Btu/h	420,400	439,500	458,600
	Heating	kW	137.3	143.6	148.5
		Btu/h	468,400	489,900	506,800
Input (Rated)	Cooling	kW	29.07	31.60	33.52
	Heating	kW	34.36	36.39	37.69
EER (Rated)		W/W	4.24	4.08	4.01
COP (Rated)		W/W	3.99	3.94	3.94
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 4	5,300 × 4	5,300 × 4
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 2
		ft^3/min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(276 × 1) + (274 × 1)	(276 × 1) + (274 × 1)	276 × 2
		lbs	(608 × 1) + (604 × 1)	(608 × 1) + (604 × 1)	608 × 2
Sound Pressure Level	Cooling / Heating	dB(A)	66.8 / 68.9	67.8 / 69.3	68.0 / 70.0
Sound Power Level	Cooling / Heating	dB(A)	90.1 / 91.8	90.1 / 92.1	91.0 / 93.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0 + 14.0	16.0 + 14.0	16.0 + 16.0
		lbs	35.3 + 30.9	35.3 + 30.9	35.3 + 35.3
	t-CO_2eq		62.6	62.6	66.8
	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			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN500LTE5 / ARUN520LTE5 / ARUN540LTE5



HP			50	52	54
Model Name	Combination Unit		ARUN500LTE5	ARUN520LTE5	ARUN540LTE5
	Independent Unit		ARUN240LTE5 ARUN140LTE5 ARUN120LTE5	ARUN240LTE5 ARUN160LTE5 ARUN120LTE5	ARUN240LTE5 ARUN180LTE5 ARUN120LTE5
Capacity (Rated)	Cooling	kW	140.0	145.6	151.2
		Btu/h	477,700	496,800	515,900
	Heating	kW	156.2	162.5	168.8
		Btu/h	532,900	554,400	575,900
Input (Rated)	Cooling	kW	33.78	35.46	35.62
	Heating	kW	36.68	38.49	38.97
EER (Rated)		W/W	4.14	4.11	4.24
COP (Rated)		W/W	4.26	4.22	4.33
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 4	5,300 × 4	(5,300 × 4) + (4,200 × 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft^3/min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 1) + (220 × 1) + (188 × 1)	(276 × 1) + (220 × 1) + (188 × 1)	(276 × 1) + (260 × 1) + (188 × 1)
		lbs	(608 × 1) + (485 × 1) + (414 × 1)	(608 × 1) + (485 × 1) + (414 × 1)	(608 × 1) + (573 × 1) + (414 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	67.0 / 68.6	67.1 / 68.7	67.2 / 68.8
Sound Power Level	Cooling / Heating	dB(A)	89.4 / 91.3	89.6 / 91.5	90.1 / 91.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		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
		lbs	35.3 + 28.7 + 22.0	35.3 + 28.7 + 22.0	35.3 + 28.7 + 22.0
	$t\text{-}CO_2eq$		81.4	81.4	81.4
	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

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

STANDARD

ARUN560LTE5 / ARUN580LTE5 / ARUN600LTE5



HP			56	58	60
Model Name	Combination Unit		ARUN560LTE5	ARUN580LTE5	ARUN600LTE5
	Independent Unit		ARUN240LTE5 ARUN200LTE5 ARUN120LTE5	ARUN240LTE5 ARUN220LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN120LTE5
Capacity (Rated)	Cooling	kW	156.8	162.4	168.0
		Btu/h	535,000	554,100	573,200
	Heating	kW	175.1	181.4	186.3
		Btu/h	597,400	618,900	635,800
Input (Rated)	Cooling	kW	36.97	39.51	41.42
	Heating	kW	42.42	44.45	45.75
EER (Rated)		W/W	4.24	4.11	4.06
COP (Rated)		W/W	4.13	4.08	4.07
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 5	5,300 × 5	5,300 × 5
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft^3/min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 ×760) × 2 + (930 × 1,690 ×760) × 1	(1,240 × 1,690 ×760) × 2 + (930 × 1,690 ×760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 1) + (274 × 1) + (188 × 1)	(276 × 1) + (274 × 1) + (188 × 1)	(276 × 2) + (188 × 1)
		lbs	(608 × 1) + (604 × 1) + (414 × 1)	(608 × 1) + (604 × 1) + (414 × 1)	(608 × 2) + (414 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	67.4 / 69.5	68.3 / 69.8	68.5 / 70.4
Sound Power Level	Cooling / Heating	dB(A)	90.4 / 92.0	90.4 / 92.4	91.3 / 93.2
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0 + 14.0 + 10.0	16.0 + 14.0 + 10.0	16.0 + 16.0 + 10.0
		lbs	35.3 + 30.9 + 22.0	35.3 + 30.9 + 22.0	35.3 + 35.3 + 22.0
	$t\text{-}CO_2eq$		83.5	83.5	87.7
	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

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN620LTE5 / ARUN640LTE5 / ARUN660LTE5



HP			62	64	66
Model Name	Combination Unit		ARUN620LTE5	ARUN640LTE5	ARUN660LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN140LTE5	ARUN240LTE5 ARUN240LTE5 ARUN160LTE5	ARUN240LTE5 ARUN240LTE5 ARUN180LTE5
Capacity (Rated)	Cooling	kW	173.6	179.2	184.8
		Btu/h	592,400	611,500	630,600
	Heating	kW	192.6	198.9	205.2
		Btu/h	657,300	678,800	700,300
Input (Rated)	Cooling	kW	42.63	44.31	44.47
	Heating	kW	47.47	49.28	49.76
EER (Rated)		W/W	4.07	4.04	4.16
COP (Rated)		W/W	4.06	4.04	4.12
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 5	5,300 × 5	(5,300 × 5) + (4,200 × 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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)	44.5 (1-3/4)	53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(276 × 2) + (220 × 1)	(276 × 2) + (220 × 1)	(276 × 2) + (260 × 1)
		lbs	(608 × 2) + (485 × 1)	(608 × 2) + (485 × 1)	(608 × 2) + (573 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	68.6 / 70.5	68.7 / 70.6	68.8 / 70.6
Sound Power Level	Cooling / Heating	dB(A)	91.5 / 93.5	91.6 / 93.6	92.0 / 93.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0 + 16.0 + 13.0	16.0 + 16.0 + 13.0	16.0 + 16.0 + 13.0
		lbs	35.3 + 35.3 + 28.7	35.3 + 35.3 + 28.7	35.3 + 35.3 + 28.7
	t-CO_2eq		93.9	93.9	93.9
	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

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

STANDARD

ARUN680LTE5 / ARUN700LTE5 / ARUN720LTE5



HP			68	70	72
Model Name	Combination Unit		ARUN680LTE5	ARUN700LTE5	ARUN720LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN200LTE5	ARUN240LTE5 ARUN240LTE5 ARUN220LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5
Capacity (Rated)	Cooling	kW	190.4	196.0	201.6
		Btu/h	649,700	668,800	687,900
	Heating	kW	211.5	217.8	222.8
		Btu/h	721,800	743,300	760,200
Input (Rated)	Cooling	kW	45.82	48.36	50.27
	Heating	kW	53.21	55.24	56.54
EER (Rated)		W/W	4.16	4.05	4.01
COP (Rated)		W/W	3.97	3.94	3.94
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 6	5,300 × 6	5,300 × 6
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
		ft^3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(276 × 2) + (274 × 1)	(276 × 2) + (274 × 1)	276 × 3
		lbs	(608 × 2) + (604 × 1)	(608 × 2) + (604 × 1)	608 × 3
Sound Pressure Level	Cooling / Heating	dB(A)	69.0 / 71.1	69.6 / 71.3	69.8 / 71.8
Sound Power Level	Cooling / Heating	dB(A)	92.2 / 94.0	92.2 / 94.2	92.8 / 94.8
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0 + 16.0 + 14.0	16.0 + 16.0 + 14.0	16.0 + 16.0 + 16.0
		lbs	35.3 + 35.3 + 30.9	35.3 + 35.3 + 30.9	35.3 + 35.3 + 35.3
	t-CO_2eq		96.0	96.0	100.2
	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
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN740LTE5 / ARUN760LTE5 / ARUN780LTE5



HP			74	76	78
Model Name	Combination Unit		ARUN740LTE5	ARUN760LTE5	ARUN780LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN140LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN160LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN180LTE5 ARUN120LTE5
Capacity (Rated)	Cooling	kW	207.2	212.8	218.4
		Btu/h	707,000	726,100	745,200
	Heating	kW	230.4	236.7	243.0
		Btu/h	786,300	807,800	829,300
Input (Rated)	Cooling	kW	50.54	52.22	52.38
	Heating	kW	55.53	57.34	57.82
EER (Rated)		W/W	4.10	4.08	4.17
COP (Rated)		W/W	4.15	4.13	4.20
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 6	5,300 × 6	(5,300 × 6) + (4,200 × 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft^3/min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 × 1,690 ×760) × 3 + (930 × 1,690 ×760) × 1	(1,240 × 1,690 ×760) × 3 + (930 × 1,690 ×760) × 1	(1,240 × 1,690 ×760) × 3 + (930 × 1,690 ×760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 2) + (220 × 1) + (188 × 1)	(276 × 2) + (220 × 1) + (188 × 1)	(276 × 2) + (260 × 1) + (188 × 1)
		lbs	(608 × 2) + (485 × 1) + (414 × 1)	(608 × 2) + (485 × 1) + (414 × 1)	(608 × 2) + (573 × 1) + (414 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	69.1 / 70.9	69.2 / 70.9	69.2 / 71.0
Sound Power Level	Cooling / Heating	dB(A)	91.8 / 93.7	91.9 / 93.8	92.2 / 94.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		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
		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
	t-CO_2eq		114.8	114.8	114.8
	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			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

STANDARD

ARUN800LTE5 / ARUN020LTE5 / ARUN840LTE5



HP			80	82	84
Model Name	Combination Unit		ARUN800LTE5	ARUN820LTE5	ARUN840LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN200LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN220LTE5 ARUN120LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN120LTE5
Capacity (Rated)	Cooling	kW	224.0	229.6	235.2
		Btu/h	764,300	783,400	802,500
	Heating	kW	249.3	255.6	260.6
		Btu/h	850,800	872,300	889,200
Input (Rated)	Cooling	kW	53.73	56.27	58.18
	Heating	kW	61.27	63.30	64.60
EER (Rated)		W/W	4.17	4.08	4.04
COP (Rated)		W/W	4.07	4.04	4.03
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 7	5,300 × 7	5,300 × 7
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft^3/min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 × 1,690 ×760) × 3 + (930 × 1,690 ×760) × 1	(1,240 × 1,690 ×760) × 3 + (930 × 1,690 ×760) × 1	(1,240 × 1,690 ×760) × 3 + (930 × 1,690 ×760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(276 × 2) + (274 × 1) + (188 × 1)	(276 × 2) + (274 × 1) + (188 × 1)	(276 × 3) + (188 × 1)
		lbs	(608 × 2) + (604 × 1) + (414 × 1)	(608 × 2) + (604 × 1) + (414 × 1)	(608 × 3) + (414 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	69.4 / 71.4	70.0 / 71.6	70.1 / 72.1
Sound Power Level	Cooling / Heating	dB(A)	92.4 / 94.2	92.4 / 94.4	92.9 / 94.9
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0 + 16.0 + 14.0 + 10.0	16.0 + 16.0 + 14.0 + 10.0	16.0 + 16.0 + 16.0 + 10.0
		lbs	35.3 + 35.3 + 30.9 + 22.0	35.3 + 35.3 + 30.9 + 22.0	35.3 + 35.3 + 35.3 + 22.0
	t-CO_2eq		116.9	116.9	121.1
	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
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN860LTE5 / ARUN880LTE5 / ARUN900LTE5



HP			86	88	90
Model Name	Combination Unit		ARUN860LTE5	ARUN880LTE5	ARUN900LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN140LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN160LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN180LTE5
Capacity (Rated)	Cooling	kW	240.8	246.4	252.0
		Btu/h	821,700	840,800	859,900
	Heating	kW	266.9	273.2	279.5
		Btu/h	910,700	932,200	953,700
Input (Rated)	Cooling	kW	59.39	61.07	61.23
	Heating	kW	66.32	68.13	68.60
EER (Rated)		W/W	4.05	4.03	4.12
COP (Rated)		W/W	4.02	4.01	4.07
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 7	5,300 × 7	(5,300 × 7) + (4,200 × 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 × 4	320 × 4	320 × 4
		ft^3/min	11,301 × 4	11,301 × 4	11,301 × 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 4	(1,240 ×1,690 × 760) × 4	(1,240 ×1,690 × 760) × 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4
Net Weight		kg	(276 × 3) + (220 × 1)	(276 × 3) + (220 × 1)	(276 × 3) + (260 × 1)
		lbs	(608 × 3) + (485 × 1)	(608 × 3) + (485 × 1)	(608 × 3) + (573 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	70.2 / 72.1	70.3 / 72.2	70.3 / 72.2
Sound Power Level	Cooling / Heating	dB(A)	93.1 / 95.1	93.2 / 95.2	93.4 / 95.3
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0 + 16.0 + 16.0 + 13.0	16.0 + 16.0 + 16.0 + 13.0	16.0 + 16.0 + 16.0 + 13.0
		lbs	35.3 + 35.3 + 35.3 + 28.7	35.3 + 35.3 + 35.3 + 28.7	35.3 + 35.3 + 35.3 + 28.7
	t-CO_2eq		127.3	127.3	127.3
	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

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

STANDARD

ARUN920LTE5 / ARUN940LTE5 / ARUN960LTE5



HP			92	94	96
Model Name	Combination Unit		ARUN920LTE5	ARUN940LTE5	ARUN960LTE5
	Independent Unit		ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN200LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN220LTE5	ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN240LTE5
Capacity (Rated)	Cooling	kW	257.6	263.2	268.8
		Btu/h	879,000	898,100	917,200
	Heating	kW	285.8	292.1	297.0
		Btu/h	975,200	996,700	1,013,600
Input (Rated)	Cooling	kW	62.58	65.12	67.03
	Heating	kW	72.06	74.08	75.39
EER (Rated)		W/W	4.12	4.04	4.01
COP (Rated)		W/W	3.97	3.94	3.94
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 8	5,300 × 8	5,300 × 8
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 × 4	320 × 4	320 × 4
		ft^3/min	11,301 × 4	11,301 × 4	11,301 × 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	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	(1,240 ×1,690 × 760) × 4	(1,240 ×1,690 × 760) × 4	(1,240 ×1,690 × 760) × 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4
Net Weight		kg	(276 × 3) + (274 × 1)	(276 × 3) + (274 × 1)	276 × 4
		lbs	(608 × 3) + (604 × 1)	(608 × 3) + (604 × 1)	608 × 4
Sound Pressure Level	Cooling / Heating	dB(A)	70.4 / 72.5	70.9 / 72.7	71.0 / 73.0
Sound Power Level	Cooling / Heating	dB(A)	93.6 / 95.4	93.6 / 95.6	94.0 / 96.0
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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	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 + 30.9	35.3 + 35.3 + 35.3 + 30.9	35.3 + 35.3 + 35.3 + 35.3
	t-CO_2eq		129.4	129.4	133.6
	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
			380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

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 (Rated)	Cooling	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
	Heating	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)		W/W	4.39	4.12	3.78	3.70
COP (Rated)		W/W	4.45	3.96	3.69	3.38
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	4,200	4,200	5,300	5,300
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	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	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	930 × 1,690 × 760	930 × 1,690 × 760	930 × 1,690 × 760	930 × 1,690 × 760
		inch	36-5/8 × 66-17/32 × 29-29/32	36-5/8 × 66-17/32 × 29-29/32	36-5/8 × 66-17/32 × 29-29/32	36-5/8 × 66-17/32 × 29-29/32
Net Weight		kg	167	167	169	182
		lbs	368	368	373	401
Sound Pressure Level	Cooling / Heating	dB(A)	58.0 / 59.0	58.0 / 59.0	59.0 / 60.0	60.0 / 61.0
Sound Power Level	Cooling / Heating	dB(A)	78.0 / 79.0	78.0 / 79.0	79.0 / 80.0	82.0 / 83.0
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.7	4.7	4.7	7.5
		lbs	10.4	10.4	10.4	16.5
	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 [8]			13 (20)	16 (25)	20 (30)	23 (35)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

PRO

ARUN160LLS5 / ARUN180LLS5 / ARUN200LLS5 / ARUN220LLS5



HP			16	18	20	22
Model Name	Combination Unit		ARUN160LLS5	ARUN180LLS5	ARUN200LLS5	ARUN220LLS5
	Independent Unit		ARUN160LLS5	ARUN180LLS5	ARUN200LLS5	ARUN220LLS5
Capacity (Rated)	Cooling	kW	44.8	50.4	56.0	61.6
		Btu/h	152,900	172,000	191,100	210,200
	Heating	kW	44.8	50.4	56.0	61.6
		Btu/h	152,900	172,000	191,100	210,200
Input (Rated)	Cooling	kW	11.90	12.30	14.10	16.80
	Heating	kW	12.10	12.10	14.50	17.80
EER (Rated)		W/W	3.76	4.10	3.97	3.67
COP (Rated)		W/W	3.70	4.17	3.86	3.46
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300	7,500	7,500	7,500
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m^3/min	320	320	320	320
		ft^3/min	11,301	11,301	11,301	11,301
	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	1,240 × 1,690 × 760	1,240 × 1,690 × 760	1,240 × 1,690 × 760	1,240 × 1,690 × 760
		inch	48-13/16 × 66-17/32 × 29-29/32	48-13/16 × 66-17/32 × 29-29/32	48-13/16 × 66-17/32 × 29-29/32	48-13/16 × 66-17/32 × 29-29/32
Net Weight		kg	203	223	223	223
		lbs	448	492	492	492
Sound Pressure Level	Cooling / Heating	dB(A)	60.5 / 61.5	62.0 / 64.5	63.0 / 66.0	64.0 / 67.0
Sound Power Level	Cooling / Heating	dB(A)	83.0 / 85.0	85.0 / 86.0	86.0 / 89.0	87.0 / 90.0
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	6.5	7.5	7.5	7.5
		lbs	14.3	16.5	16.5	16.5
	t-CO_2eq		13.6	15.7	15.7	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 [8]			26 (40)	29 (45)	32 (50)	35 (56)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

PRO

ARUN240LLS5 / ARUN260LLS5 / ARUN280LLS5 / ARUN300LLS5



HP			24	26	28	30
Model Name	Combination Unit		ARUN240LLS5	ARUN260LLS5	ARUN280LLS5	ARUN300LLS5
	Independent Unit		ARUN240LLS5	ARUN260LLS5	ARUN160LLS5 ARUN120LLS5	ARUN180LLS5 ARUN120LLS5
Capacity (Rated)	Cooling	kW	67.2	72.8	78.4	84.0
		Btu/h	229,300	248,400	267,500	286,600
	Heating	kW	67.2	72.8	78.4	84.0
		Btu/h	229,300	248,400	267,500	286,600
Input (Rated)	Cooling	kW	18.20	20.80	20.8	21.2
	Heating	kW	17.90	20.50	21.2	21.2
EER (Rated)		W/W	3.69	3.50	3.77	3.96
COP (Rated)		W/W	3.75	3.55	3.70	3.96
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 2	5,300 × 2	5,300 × 2	(7,500 x 1) + (5,300 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 2	900 × 2	(900 × 2) + (1,200 x 1)	(900 × 2) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	320	320	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft^3/min	11,301	11,301	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	15.88 (5/8)	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	1,240 × 1,690 × 760	1,240 × 1,690 × 760	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1
		inch	48-13/16 × 66-17/32 × 29-29/32	48-13/16 × 66-17/32 × 29-29/32	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Net Weight		kg	263	263	(203) + (169)	(223) + (169)
		lbs	580	580	(448) + (373)	(492) + (373)
Sound Pressure Level	Cooling / Heating	dB(A)	65.0 / 67.0	65.0 / 67.0	62.8 / 63.8	63.8 / 65.8
Sound Power Level	Cooling / Heating	dB(A)	88.0 / 90.0	88.0 / 90.0	84.5 / 86.2	86.0 / 87.0
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	11	11	11.2	12.2
		lbs	24.3	24.3	24.7	26.9
	t-CO_2eq		23.0	23.0	23.4	25.5
	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 [8]			39 (61)	42 (64)	45 (56)	49 (60)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

PRO

ARUN320LLS5 / ARUN340LLS5 / ARUN360LLS5 / ARUN380LLS5



HP			32	34	36	38
Model Name	Combination Unit		ARUN320LLS5	ARUN340LLS5	ARUN360LLS5	ARUN380LLS5
	Independent Unit		ARUN200LLS5 ARUN120LLS5	ARUN220LLS5 ARUN120LLS5	ARUN240LLS5 ARUN120LLS5	ARUN260LLS5 ARUN120LLS5
Capacity (Rated)	Cooling	kW	89.6	95.2	100.8	106.4
		Btu/h	305,700	324,800	343,900	363,000
	Heating	kW	89.6	95.2	100.8	106.4
		Btu/h	305,700	324,800	343,900	363,000
Input (Rated)	Cooling	kW	23.0	25.7	27.1	29.7
	Heating	kW	23.6	26.9	27.0	29.6
EER (Rated)		W/W	3.90	3.70	3.72	3.58
COP (Rated)		W/W	3.80	3.54	3.73	3.59
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(7,500 x 1) + (5,300 x 1)	(7,500 x 1) + (5,300 x 1)	(7,500 x 1) + (5,300 x 1)	5,300 × 3
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 2) + (1,200 x 1)	(900 × 2) + (1,200 x 1)	(900 × 2) + (1,200 x 1)	(900 × 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)	(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)	(11,301 x 1) + (8,476 x 1)
	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)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Net Weight		kg	(223) + (169)	(223) + (169)	(263) + (169)	(263) + (169)
		lbs	(492) + (373)	(492) + (373)	(580) + (373)	(580) + (373)
Sound Pressure Level	Cooling / Heating	dB(A)	64.5 / 67.0	65.2 / 67.8	66.0 / 67.8	66.0 / 67.8
Sound Power Level	Cooling / Heating	dB(A)	86.8 / 89.5	87.6 / 90.4	88.5 / 90.4	88.5 / 90.4
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	12.2	12.2	15.7	15.7
		lbs	26.9	26.9	34.6	34.6
	t-CO_2eq		25.5	25.5	32.8	32.8
	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 [8]			52 (64)	55 (64)	58 (64)	61 (64)

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

PRO

ARUN400LLS5 / ARUN420LLS5 / ARUN440LLS5 / ARUN460LLS5



HP			40	42	44	46
Model Name	Combination Unit		ARUN400LLS5	ARUN420LLS5	ARUN440LLS5	ARUN460LLS5
	Independent Unit		ARUN260LLS5 ARUN140LLS5	ARUN260LLS5 ARUN160LLS5	ARUN260LLS5 ARUN180LLS5	ARUN260LLS5 ARUN200LLS5
Capacity (Rated)	Cooling	kW	112.0	117.6	123.2	128.8
		Btu/h	382,200	401,300	420,400	439,500
	Heating	kW	112.0	117.6	123.2	128.8
		Btu/h	382,200	401,300	420,400	439,500
Input (Rated)	Cooling	kW	31.4	32.7	33.1	34.9
	Heating	kW	32.1	32.6	32.6	35.0
EER (Rated)		W/W	3.57	3.60	3.72	3.69
COP (Rated)		W/W	3.49	3.61	3.78	3.68
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 3	5,300 × 3	(5,300 x 2) + (7,500 x 1)	(5,300 x 2) + (7,500 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 2) + (1,200 x 1)	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	(320 x 1) + (240 x 1)	320 x 2	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	11,301 x 2
	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	(1,240 × 1,690 × 760) x 1 + (930 × 1,690 × 760) x 1	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 1 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2
Net Weight		kg	(263) + (182)	(263) + (203)	(263) + (223)	(263) + (223)
		lbs	(580) + (401)	(580) + (448)	(580) + (492)	(580) + (492)
Sound Pressure Level	Cooling / Heating	dB(A)	66.2 / 68.0	66.3 / 68.1	66.8 / 68.9	67.1 / 69.5
Sound Power Level	Cooling / Heating	dB(A)	89.0 / 90.8	89.2 / 91.2	89.8 / 91.5	90.1 / 92.5
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	18.5	17.5	18.5	18.5
		lbs	40.8	38.6	40.8	40.8
	t-CO_2eq		38.6	36.5	38.6	38.6
	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
			380, 3, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			64	64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

PRO

ARUN480LLS5 / ARUN500LLS5 / ARUN520LLS5 / ARUN540LLS5



HP			48	50	52	54
Model Name	Combination Unit		ARUN480LLS5	ARUN500LLS5	ARUN520LLS5	ARUN540LLS5
	Independent Unit		ARUN260LLS5 ARUN220LLS5	ARUN260LLS5 ARUN240LLS5	ARUN260LLS5 ARUN260LLS5	ARUN260LLS5 ARUN160LLS5 ARUN120LLS5
Capacity (Rated)	Cooling	kW	134.4	140.0	145.6	151.2
		Btu/h	458,600	477,700	496,800	515,900
	Heating	kW	134.4	140.0	145.6	151.2
		Btu/h	458,600	477,700	496,800	515,900
Input (Rated)	Cooling	kW	37.6	39.0	41.6	41.6
	Heating	kW	38.3	38.4	41.0	41.7
EER (Rated)		W/W	3.57	3.59	3.50	3.63
COP (Rated)		W/W	3.51	3.65	3.55	3.63
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 x 2) + (7,500 x 1)	5,300 × 4	5,300 × 4	5,300 × 4
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 4	900 × 4	900 × 4	(900 × 4) + (1,200 x 1)
	Air Flow Rate (High)	m^3/min	320 x 2	320 x 2	320 x 2	(320 x 2) + (240 x 1)
		ft^3/min	11,301 x 2	11,301 x 2	11,301 x 2	(11,301 x 2) + (8,476 x 1)
	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	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2	(1,240 × 1,690 × 760) x 2 + (930 × 1,690 × 760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Net Weight		kg	(263) + (223)	(263) + (263)	(263) + (263)	(263) + (203) + (169)
		lbs	(580) + (492)	(580) + (580)	(580) + (580)	(580) + (448) + (373)
Sound Pressure Level	Cooling / Heating	dB(A)	67.5 / 70.0	68.0 / 70.0	68.0 / 70.0	67.1 / 68.7
Sound Power Level	Cooling / Heating	dB(A)	90.5 / 93.0	91.0 / 93.0	91.0 / 93.0	89.6 / 91.5
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	18.5	22.0	22.0	22.2
		lbs	40.8	48.5	48.5	48.9
	t-CO_2eq		38.6	45.9	45.9	46.3
	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. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

PRO

ARUN560LLS5 / ARUN580LLS5 / ARUN600LLS5 / ARUN620LLS5



HP			56	58	60	62
Model Name	Combination Unit		ARUN560LLS5	ARUN580LLS5	ARUN600LLS5	ARUN620LLS5
	Independent Unit		ARUN260LLS5 ARUN180LLS5 ARUN120LLS5	ARUN260LLS5 ARUN200LLS5 ARUN120LLS5	ARUN260LLS5 ARUN220LLS5 ARUN120LLS5	ARUN260LLS5 ARUN240LLS5 ARUN120LLS5
Capacity (Rated)	Cooling	kW	156.8	162.4	168.0	173.6
		Btu/h	535,000	554,100	573,200	592,300
	Heating	kW	156.8	162.4	168.0	173.6
		Btu/h	535,000	554,100	573,200	592,300
Input (Rated)	Cooling	kW	42.0	43.8	46.5	47.9
	Heating	kW	41.7	44.1	47.4	47.5
EER (Rated)		W/W	3.73	3.71	3.61	3.62
COP (Rated)		W/W	3.76	3.68	3.54	3.65
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	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 3) + (7,500 x 1)	5,300 × 5
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 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)
	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)	22.2 (7/8)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)	44.5 (1-3/4)
Dimensions (W x H x D)		mm	(1,240 × 1,690 ×760) x 2 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 2 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 2 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 2 + (930 × 1,690 ×760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1
Net Weight		kg	(263) + (223) + (169)	(263) + (223) + (169)	(263) + (223) + (169)	(263) + (263) + (169)
		lbs	(580) + (492) + (373)	(580) + (492) + (373)	(580) + (492) + (373)	(580) + (580) + (373)
Sound Pressure Level	Cooling / Heating	dB(A)	67.4 / 69.5	67.7 / 70.0	68.1 / 70.4	68.5 / 70.4
Sound Power Level	Cooling / Heating	dB(A)	90.1 / 91.8	90.4 / 92.8	90.8 / 93.2	91.3 / 93.2
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	23.2	23.2	23.2	26.7
		lbs	51.1	51.1	51.1	58.9
	t-CO_2eq		48.4	48.4	48.4	55.7
	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			64	64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

PRO

ARUN640LLS5 / ARUN660LLS5 / ARUN680LLS5 / ARUN7200LLS5



HP			64	66	68	70
Model Name	Combination Unit		ARUN640LLS5	ARUN660LLS5	ARUN680LLS5	ARUN700LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN140LLS5	ARUN260LLS5 ARUN260LLS5 ARUN160LLS5	ARUN260LLS5 ARUN260LLS5 ARUN180LLS5
Capacity (Rated)	Cooling	kW	179.2	184.8	190.4	196.0
		Btu/h	611,400	630,600	649,700	668,800
	Heating	kW	179.2	184.8	190.4	196.0
		Btu/h	611,400	630,600	649,700	668,800
Input (Rated)	Cooling	kW	50.5	52.2	53.5	53.9
	Heating	kW	50.1	52.6	53.1	53.1
EER (Rated)		W/W	3.55	3.54	3.56	3.64
COP (Rated)		W/W	3.58	3.51	3.59	3.69
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 5	5,300 × 5	5,300 × 5	(5,300 x 4) + (7,500 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	320 x 3	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	11,301 x 3
	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)	44.5 (1-3/4)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 ×760) x 2 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 2 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 3	(1,240 × 1,690 ×760) x 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29- 29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 2 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3	(48-13/16 × 66-17/32 × 29-29/32) x 3
Net Weight		kg	(263) + (263) + (169)	(263) + (263) + (182)	(263) + (263) + (203)	(263) + (263) + (223)
		lbs	(580) + (580) + (373)	(580) + (580) + (401)	(580) + (580) + (448)	(580) + (580) + (492)
Sound Pressure Level	Cooling / Heating	dB(A)	68.5 / 70.4	68.6 / 70.5	68.7 / 70.6	69.0 / 71.1
Sound Power Level	Cooling / Heating	dB(A)	91.3 / 93.2	91.5 / 93.4	91.6 / 93.6	92.0 / 93.8
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	26.7	29.5	28.5	29.5
		lbs	58.9	65.0	62.8	65.0
	t-CO_2eq		55.7	61.6	59.5	61.6
	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. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

PRO

ARUN720LLS5 / ARUN740LLS5 / ARUN760LLS5 / ARUN780LLS5



HP			72	74	76	78
Model Name	Combination Unit		ARUN720LLS5	ARUN740LLS5	ARUN760LLS5	ARUN780LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN200LLS5	ARUN260LLS5 ARUN260LLS5 ARUN220LLS5	ARUN260LLS5 ARUN260LLS5 ARUN240LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5
Capacity (Rated)	Cooling	kW	201.6	207.2	212.8	218.4
		Btu/h	687,900	707,000	726,100	745,200
	Heating	kW	201.6	207.2	212.8	218.4
		Btu/h	687,900	707,000	726,100	745,200
Input (Rated)	Cooling	kW	55.7	58.4	59.8	62.4
	Heating	kW	55.5	58.8	58.9	61.5
EER (Rated)		W/W	3.62	3.55	3.56	3.50
COP (Rated)		W/W	3.63	3.52	3.61	3.55
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	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 × 6	5,300 × 6
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	900 × 6	900 × 6	900 × 6	900 × 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
	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	(1,240 × 1,690 ×760) x 3	(1,240 × 1,690 ×760) x 3	(1,240 × 1,690 ×760) x 3	(1,240 × 1,690 ×760) x 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 3	(48-13/16 × 66-17/32 × 29-29/32) x 3	(48-13/16 × 66-17/32 × 29-29/32) x 3	(48-13/16 × 66-17/32 × 29-29/32) x 3
Net Weight		kg	(263) + (263) + (223)	(263) + (263) + (223)	(263) + (263) + (263)	(263) + (263) + (263)
		lbs	(580) + (580) + (492)	(580) + (580) + (492)	(580) + (580) + (580)	(580) + (580) + (580)
Sound Pressure Level	Cooling / Heating	dB(A)	69.2 / 71.5	69.5 / 71.8	69.8 / 71.8	69.8 / 71.8
Sound Power Level	Cooling / Heating	dB(A)	92.2 / 94.5	92.5 / 94.8	92.8 / 94.8	92.8 / 94.8
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	29.5	29.5	33.0	33.0
		lbs	65.0	65.0	72.8	72.8
	t-CO_2eq		61.6	61.6	68.9	68.9
	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. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

PRO

ARUN800LLS5 / ARUN820LLS5 / ARUN840LLS5 / ARUN860LLS5



HP			80	82	84	86
Model Name	Combination Unit		ARUN800LLS5	ARUN820LLS5	ARUN840LLS5	ARUN860LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN160LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN180LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN200LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN220LLS5 ARUN120LLS5
Capacity (Rated)	Cooling	kW	224.0	229.6	235.2	240.8
		Btu/h	764,300	783,400	802,500	821,600
	Heating	kW	224.0	229.6	235.2	240.8
		Btu/h	764,300	783,400	802,500	821,600
Input (Rated)	Cooling	kW	62.4	62.8	64.6	67.3
	Heating	kW	62.2	62.2	64.6	67.9
EER (Rated)		W/W	3.59	3.66	3.64	3.58
COP (Rated)		W/W	3.60	3.69	3.64	3.55
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 6	(5,300 x 5) + (7,500 x 1)	(5,300 x 5) + (7,500 x 1)	(5,300 x 5) + (7,500 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 6) + (1,200 x 1)	(900 × 6) + (1,200 x 1)	(900 × 6) + (1,200 x 1)	(900 × 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)
	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	(1,240 × 1,690 ×760) x 3 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 3 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 3 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 3 + (930 × 1,690 ×760) x 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29- 29/32) x 1
Net Weight		kg	(263) + (263) + (203) + (169)	(263) + (263) + (223) + (169)	(263) + (263) + (223) + (169)	(263) + (263) + (223) + (169)
		lbs	(580) + (580) + (448) + (373)	(580) + (580) + (492) + (373)	(580) + (580) + (492) + (373)	(580) + (580) + (492) + (373)
Sound Pressure Level	Cooling / Heating	dB(A)	69.2 / 70.9	69.4 / 71.4	69.6 / 71.8	69.8 / 72.1
Sound Power Level	Cooling / Heating	dB(A)	91.9 / 93.8	92.2 / 94.0	92.4 / 94.6	92.7 / 94.9
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.2	34.2	34.2	34.2
		lbs	73.2	75.4	75.4	75.4
	t-CO_2eq		69.3	71.4	71.4	71.4
	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
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			64	64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

PRO

ARUN880LLS5 / ARUN900LLS5
ARUN920LLS5 / ARUN940LLS5



HP			88	90	92	94
Model Name	Combination Unit		ARUN880LLS5	ARUN900LLS5	ARUN920LLS5	ARUN940LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN240LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN140LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN160LLS5
Capacity (Rated)	Cooling	kW	246.4	252.0	257.6	263.2
		Btu/h	840,700	859,800	879,000	898,100
	Heating	kW	246.4	252.0	257.6	263.2
		Btu/h	840,700	859,800	879,000	898,100
Input (Rated)	Cooling	kW	68.7	71.3	73.0	74.3
	Heating	kW	68.0	70.6	73.1	73.6
EER (Rated)		W/W	3.59	3.53	3.53	3.54
COP (Rated)		W/W	3.62	3.57	3.52	3.58
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
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 7	5,300 × 7	5,300 × 7	5,300 × 7
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	(900 × 6) + (1,200 x 1)	(900 × 6) + (1,200 x 1)	(900 × 6) + (1,200 x 1)	900 × 8
	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 4
		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 4
	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	(1,240 × 1,690 ×760) x 3 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 3 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 3 + (930 × 1,690 ×760) x 1	(1,240 × 1,690 ×760) x 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 3 + (36-5/8 × 66-17/32 × 29-29/32) x 1	(48-13/16 × 66-17/32 × 29-29/32) x 4
Net Weight		kg	(263) + (263) + (263) + (169)	(263) + (263) + (263) + (169)	(263) + (263) + (263) + (182)	(263) + (263) + (263) + (203)
		lbs	(580) + (580) + (580) + (373)	(580) + (580) + (580) + (373)	(580) + (580) + (580) + (401)	(580) + (580) + (580) + (448)
Sound Pressure Level	Cooling / Heating	dB(A)	70.1 / 72.1	70.1 / 72.1	70.2 / 72.1	70.3 / 72.2
Sound Power Level	Cooling / Heating	dB(A)	92.9 / 94.9	92.9 / 94.9	93.1 / 95.1	93.2 / 95.2
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	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	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		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	37.7	37.7	40.5	39.5
		lbs	83.1	83.1	89.3	87.1
	t-CO_2eq		78.7	78.7	84.5	82.5
	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. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

PRO

ARUN960LLS5 / ARUN980LLS5 / ARUN1000LLS5
ARUN1020LLS5 / ARUN1040LLS5



HP			96	98	100	102	104
Model Name	Combination Unit		ARUN960LLS5	ARUN980LLS5	ARUN1000LLS5	ARUN1020LLS5	ARUN1040LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN180LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN200LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN220LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN240LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN260LLS5
Capacity (Rated)	Cooling	kW	268.8	274.4	280.0	285.6	291.2
		Btu/h	917,200	936,300	955,400	974,500	993,600
	Heating	kW	268.8	274.4	280.0	285.6	291.2
		Btu/h	917,200	936,300	955,400	974,500	993,600
Input (Rated)	Cooling	kW	74.7	76.5	79.2	80.6	83.2
	Heating	kW	73.6	76.0	79.3	79.4	82.0
EER (Rated)		W/W	3.60	3.59	3.54	3.54	3.50
COP (Rated)		W/W	3.65	3.61	3.53	3.60	3.55
Power Factor	Rated	-	0.93	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	Warm Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 x 6) + (7,500 x 1)	(5,300 x 6) + (7,500 x 1)	(5,300 x 6) + (7,500 x 1)	5,300 × 8	5,300 × 8
	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 × 8	900 × 8	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 x 4	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	11,301 x 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	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)	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)	53.98 (2-1/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) x 4	(1,240 × 1,690 × 760) x 4	(1,240 × 1,690 × 760) x 4	(1,240 × 1,690 × 760) x 4	(1,240 × 1,690 × 760) x 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) x 4	(48-13/16 × 66-17/32 × 29-29/32) x 4	(48-13/16 × 66-17/32 × 29-29/32) x 4	(48-13/16 × 66-17/32 × 29-29/32) x 4	(48-13/16 × 66-17/32 × 29-29/32) x 4
Net Weight		kg	(263) + (263) + (263) + (223)	(263) + (263) + (263) + (223)	(263) + (263) + (263) + (223)	(263) + (263) + (263) + (263)	(263) + (263) + (263) + (263)
		lbs	(580) + (580) + (580) + (492)	(580) + (580) + (580) + (492)	(580) + (580) + (580) + (492)	(580) + (580) + (580) + (580)	(580) + (580) + (580) + (580)
Sound Pressure Level	Cooling / Heating	dB(A)	70.4 / 72.5	70.6 / 72.8	70.8 / 73.0	71.0 / 73.0	71.0 / 73.0
Sound Power Level	Cooling / Heating	dB(A)	93.4 / 95.3	93.6 / 95.8	93.8 / 96.0	94.0 / 96.0	94.0 / 96.0
Protection Devices	High Pressure Protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	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	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	Over-heat protection / Over-current protection
Communication Cable		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	40.5	40.5	40.5	44.0	44.0
		lbs	89.3	89.3	89.3	97.0	97.0
	t-CO_2eq		84.5	84.5	84.5	91.9	91.9
	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
			3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			64	64	64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.
7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)
8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.



Suitable for residences and small offices

MULTI V™ S



Customer Benefits

- Energy saving
- High reliability
- Improved user convenience

CONVENIENT PIPE DIRECTION DESIGN

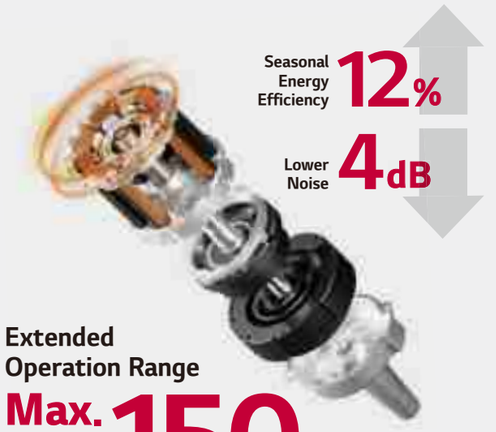
Free Design & Installation



Sufficient pipes length limitation in Design and Installation of immense variety of building.

R1 Compressor™

High-Efficiency & Reliability

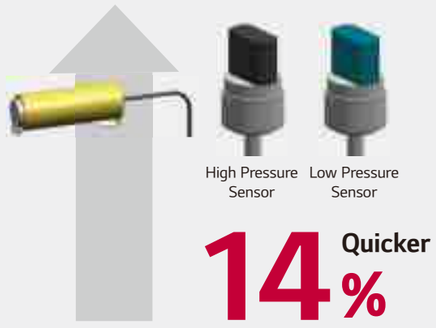


Revolutionary Scroll Compressor is applied for high-efficiency and reliability. This type of compressor is more advanced compared to the conventional one.

SMART CONTROL

Accurate and Easy Control

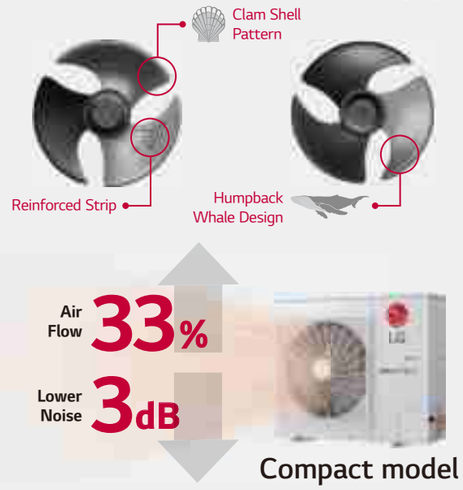
Temperature + Pressure Control



Pressure Control applied for smart, quick, and precise responds of temperature that user requests.

BIOMIMETIC FAN

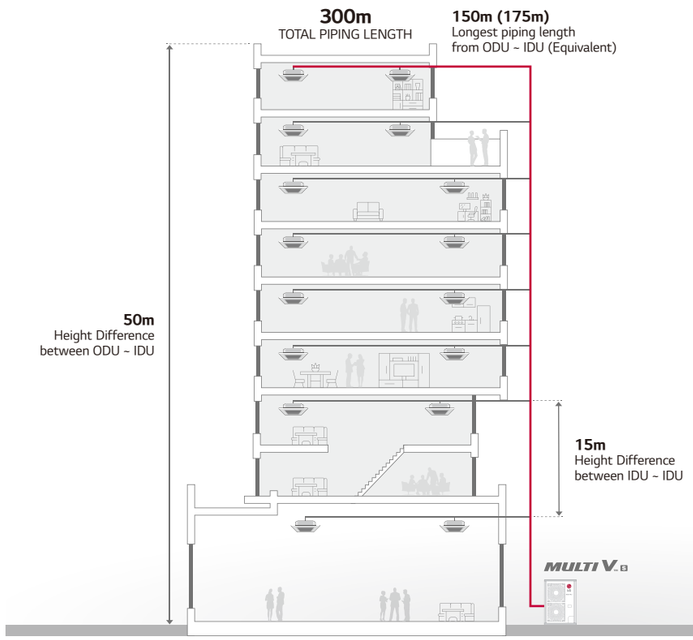
Operation Noise Reduction



With biomimetic fan design newly developed fan blows higher air volume also operating noise is decreased. This technology enables a highly efficient compact model.

MULTI V S

Piping Length



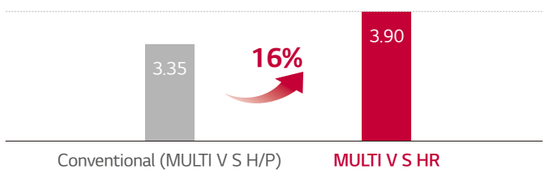
Total Piping Length	300m
Longest piping length (Equivalent)	150m (175m)
Longest piping length after 1st branch (Conditional application)	40m (90m)
Height difference between ODU ~ IDU	50m
Height difference between IDU ~ IDU	15m

EER / COP / Part load

Saving Energy Cost with High Efficient Product

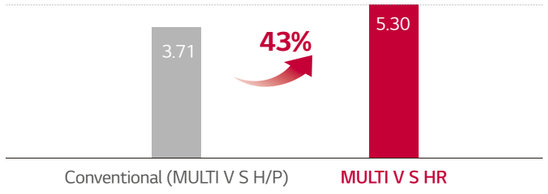
Heat Pump

EER (Cooling)



※ Comparison Based on 15.5kW in cooling mode.

COP (Heating)

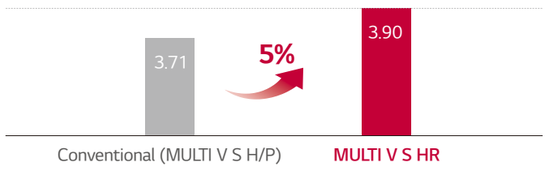


※ Comparison Based on 15.5kW in heating mode.

Heat Recovery

Cooling Mode

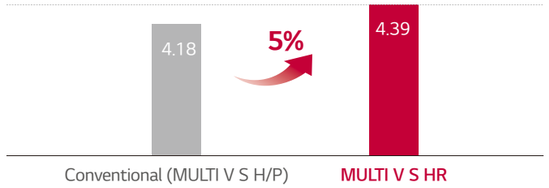
Cooling EER is 5% higher than conventional on average.



※ Comparison Based on 15.5kW in cooling mode.

Heating Mode

Heating COP is 5% higher than conventional on average.

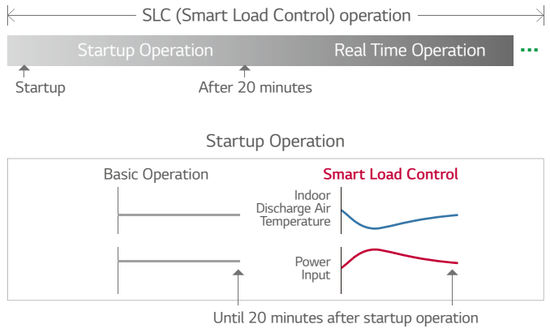


※ Comparison Based on 15.5kW in heating mode.

Smart Load Control Applied

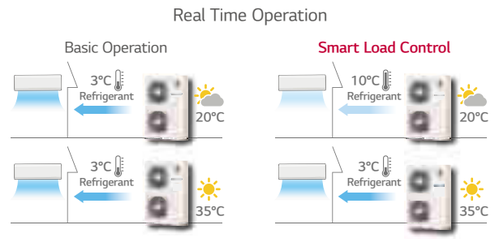
Increase comfortable sensation and Max. 23% energy saving thanks to MULTI V load control

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



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

Max. 10% Energy saving



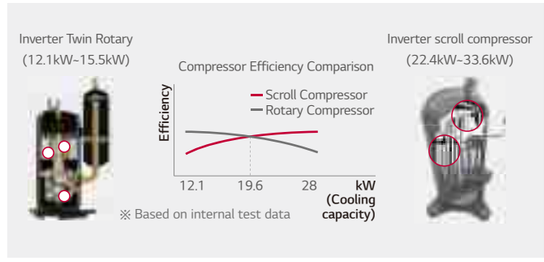
Max. 13% Energy saving

※ 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 temperature condition :
  EER 100% / 75% / 50% / 25% = 35℃(DB) / 30℃(DB) / 25℃(DB) / 20℃(DB)
- Indoor temperature condition : 27℃(DB) / 19℃(WB)

※ Dual sensing (Temparature & 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.



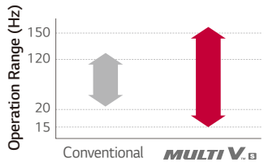
Surface Coating

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



Inverter Scroll Compressor

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



6 By-pass Valve

Compressor reliability is maximized with 6 By-pass Valve
- Prevent compressor damage due to excessively compressed refrigerant more fficiently than 4 by-pass valve



Direct Oil Injection
- Eliminate suction refrigerant gas heat loss through direct oil injection into compression chamber (efficiency increases)
- Reliability increase due to proper oil amount supply

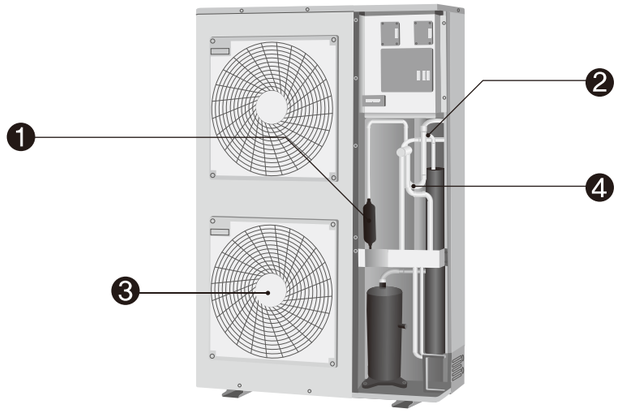
Scroll Profile
- The enhanced reliability by increasing the thickness of scroll central part within largest pressure
- Efficiency increases by expanding 96% bypass area and 17% improved volume ratio by non uniform scroll thickness

MULTI V S

High Reliability of Refrigerant Components

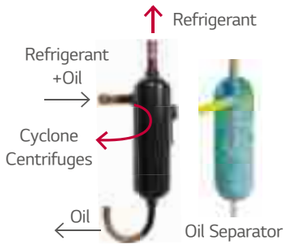
Superior Performance and Strong Durable Components are developed by LG's technologies

MULTI V S improved reliability through an excellent technique of Oil separator / Accumulator / Sub-cooling.



❶ Cyclonic Oil Separator

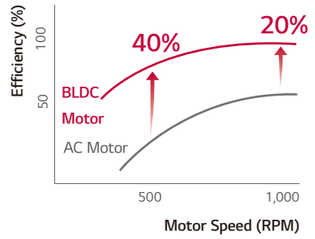
- Highly reliable and efficient oil separation by centrifuge using cyclonic methods.
- High collection efficiency as well as outstanding resistance to high temperature and pressure.



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.





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.
- Protect compressor break down and Increase life time.

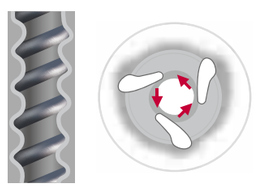


Accumulator

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 responds of temperature that user requests

Temperature + Pressure Control

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



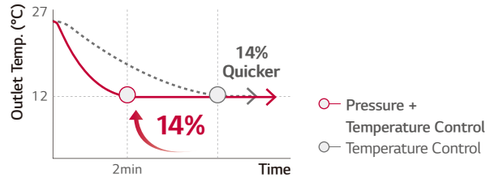
High Pressure Sensor



Low Pressure Sensor

Quick Operating Response

Pressure control takes up to 14% less time in cooling mode, to reach the desired temperature. The indoor environment can be controlled more accurately and more comfortable.



※ Specifications may vary for each model.

Heat Exchanger with Black Fin II for Corrosion Resistance

Strong Durability against high salinity and heavily polluted air

LG's exclusive Black Fin II is applied on the heat exchanger of MULTI V S in order to perform even in corrosive environments. The strong protection from various corrosive external environments such as seaside with high salt contamination and industrial cities with severe air pollution caused by fumes from factories keeps MULTI V S operating without breakdown. This improvement in durability prolongs the product's lifespan and lowers both the operational and maintenance costs.



Black Fin II

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(Underwriters Laboratories).

Certified protection



TÜVRheinland

Condition of salt spray test

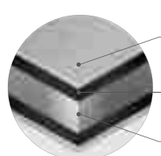
Temperature	35℃
Mist of 5% sodium chloride solution	

Condition of gas exposure test

R.H.	NO_2	SO_2
95%	10×10^{-5}	5×10^{-6}

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 including fumes from factories. 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.

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

Aluminum fin

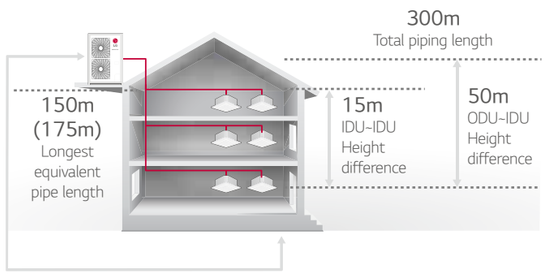
MULTI V S

Sufficient Pipe Length Limit

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

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

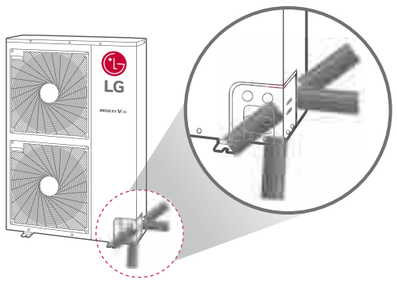
Piping Capabilities



4 Way Piping

Free design and installation by 4 way piping

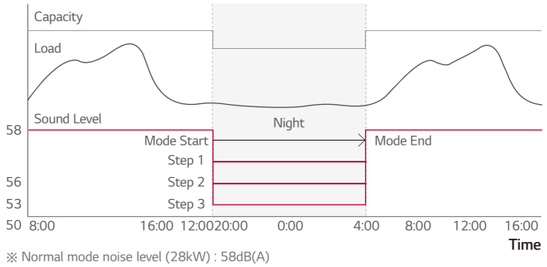
At night mode, noise reduced maximum 14% compared to normal mode.



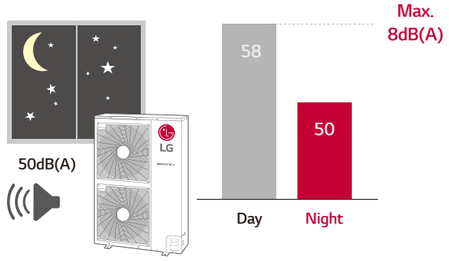
Low Noise Operation

Free from noise at any time with low noise operation function

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

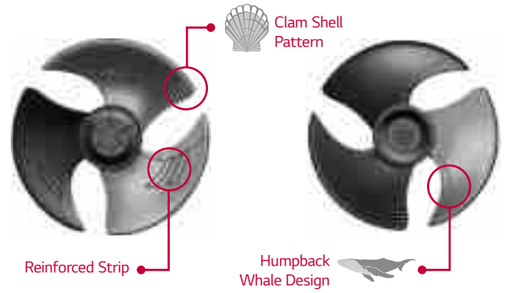


Biomimetic Fan

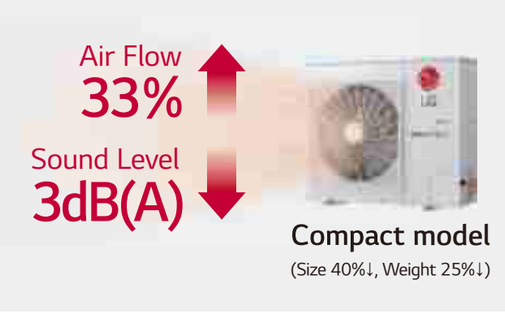
With biomimetic fan design, newly developed fan blows higher air volume, also operating noise is decreased.
This technology enables a highly efficient compact model.

Previous	New
• General fan design	• Biomimetic fan design
• Sound pressure level 53.1dB(A) (110CMM / 2 fan)	• Sound pressure level 49.6dB(A) (110CMM / 2 fan)
• Max. Air flow up to 60 CMM (800RPM / 124W Motor x 1EA)	• Max. Air flow up to 86CMM* (1,000RPM / 200W Motor x 1EA)









* The value is based on 5,6HP model.

MULTI V S

Fan Technology and RPM Control

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

For efficient operation, newly developed fan blows higher air volume and has more high static pressure, also operating noise is decreased.

Fan Technology

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

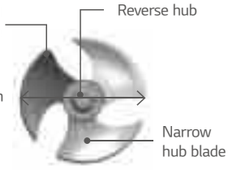
Super cannon fan increases the air volume in 50CMM and the noise level is decreased by 4dB(A).



(1Ø) 4 / 5HP

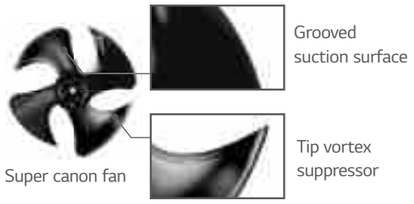


(1Ø) 5 / 6HP
(3Ø) 4 / 5 / 6 / 8HP





(3Ø) 10 / 12HP



Super canon fan

Fan RPM Control

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

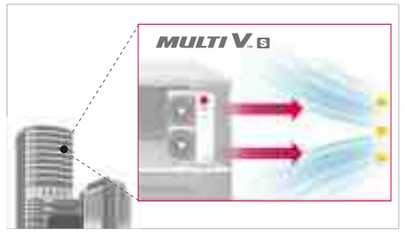


Fan



Shroud

Fan RPM control
(Fan Max. RPM Up)



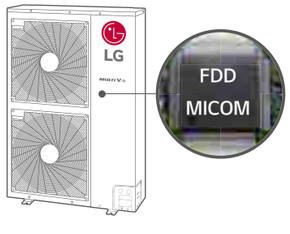
- Straight air flow
  - New shroud adopted
  - Performs high static pressure

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



MULTI V S

TROPICAL MODEL

HEAT PUMP

ARUN040LSH5 / ARUN050LSH5 /ARUN060LSH0



HP			4	5	6
Model Name	Combination Unit		ARUN040LSH5	ARUN050LSH5	ARUN060LSH0
Capacity (Rated)	*Cooling - T1 35°C	kW	11.2	14.0	15.5
		Btu/h	38,200	47,800	52,900
	**Cooling - T3 46°C	kW	9.5	11.9	13.2
		Btu/h	32,400	40,600	45,000
	Heating	kW	12.5	16.0	18
		Btu/h	42,700	54,600	61,400
Input (Rated)	*Cooling - T1 35°C	kW	2.60	3.38	3.96
	**Cooling - T3 46°C	kW	2.80	3.75	4.26
	Heating	kW	2.75	3.52	4.09
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	14.7	14.1	13.4
	**Cooling - T3 46°C	Btu/Watt·h	11.6	10.8	10.6
	Heating	Btu/Watt·h	15.5	15.5	15.0
COP	*Cooling - T1 35°C	W/W	4.31	4.14	3.91
	**Cooling - T3 46°C	W/W	3.40	3.17	3.10
	Heating	W/W	4.55	4.55	4.40
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	DC Inverter Rotary
	Motor Output x Number	W x No.	3,198 x 1	3,198 x 1	4,000 × 1
	Starting Method		DC Inverter Starting	DC Inverter Starting	Inverter
	Oil Type		FW68D	FW68D	FVC68D (PVE)
Fan	Type		Axial Flow Fan	Axial Flow Fan	Propeller fan
	Motor Output x Number	W x No.	200 x 1	200 x 1	124 × 2
	Air Flow Rate (High)	m^3/min	80	80	110
		ft^3/min	2,824	2,824	3,885
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side
Pipe Connections	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
Dimensions (W x H x D)		mm	950 × 834 × 330	950 × 834 × 330	950 × 1,380 × 330
		inch	37-13/32 × 32-27/32 × 13	37-13/32 × 32-27/32 × 13	37-13/32 × 54-11/32 × 13
Net Weight		kg	72	72	96
		lbs	159	159	212
Sound Pressure Level	Cooling / Heating	dB(A)	50 / 52	51 / 53	52 / 54
Sound Power Level	Cooling / Heating	dB(A)	70 / 74	70 / 74	67 / -
Protection Devices	High Pressure Protection	-	High Pressure Sensor	High Pressure Sensor	High 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
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in factory	kg	2.4	2.4	3.0
		lbs	5.3	5.3	6.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380 ~ 400 ~ 415, 50/60	3, 380 ~ 400 ~ 415, 50/60	3, 380 ~ 400 ~ 415, 50/60
Running Current	Cooling	A	4.50 - 4.28 - 4.12	5.70 - 5.42 - 5.22	6.80 - 6.46 - 6.23
	Heating	V	4.80 - 4.56 - 4.40	5.90 - 5.61 - 5.40	7.20 - 6.84 - 6.59
Number of Maximum Connectable Indoor Units			8	10	9

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature :
* Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V S

TROPICAL MODEL

HEAT PUMP

ARUN080LSH0 / ARUN100LSH0



HP			8	10
Model Name	Combination Unit		ARUN080LSH0	ARUN100LSH0
Capacity (Rated)	*Cooling - T1 35°C	kW	22.4	28.0
		Btu/h	76,400	95,900
	**Cooling - T3 46°C	kW	19	25
		Btu/h	64,900	85,300
	Heating	kW	25.2	31.5
		Btu/h	86,000	107,500
Input (Rated)	*Cooling - T1 35°C	kW	5.60	7.09
	**Cooling - T3 46°C	kW	5.94	7.94
	Heating	kW	5.86	7.41
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	13.6	7.09
	**Cooling - T3 46°C	Btu/Watt·h	10.9	7.94
	Heating	Btu/Watt·h	14.7	7.41
COP	*Cooling - T1 35°C	W/W	4.00	3.95
	**Cooling - T3 46°C	W/W	3.20	3.15
	Heating	W/W	4.30	4.25
Power Factor	Rated	-	0.93	0.93
Casing Color			Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 × 1	5,300 × 1
	Starting Method		Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	250 × 2	251 × 2
	Air Flow Rate (High)	m^3/min	190	190
		ft^3/min	6,707	6,707
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side
Pipe Connections	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)
	Gas	mm (inch)	19.05 (3/4)	22.2 (7/8)
Dimensions (W x H x D)		mm	1,090 x 1,625 x 380	1,090 x 1,625 x 380
		inch	42-29/32× 63-31/32 × 14-31/32	42-29/32× 63-31/32 × 14-31/32
Net Weight		kg	144	144
		lbs	317	317
Sound Pressure Level	Cooling / Heating	dB(A)	57 / 57	58 / 58
Sound Power Level	Cooling / Heating	dB(A)	68 / -	69 / -
Protection Devices	High Pressure Protection	-	High Pressure Sensor	High Pressure Sensor
	Compressor / Fan	-	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
Communication Cable		No. x mm^2 (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A
	Precharged Amount in factory	kg	4.5	4.5
		lbs	9.9	9.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380 ~ 400 ~ 415, 50/60	3, 380 ~ 400 ~ 415, 50/60
Running Current	Cooling	A	12.10 - 11.50 - 11.08	12.10 - 11.50 - 11.08
	Heating	V	12.30 - 11.69 - 11.26	12.30 - 11.69 - 11.26
Number of Maximum Connectable Indoor Units			13	16

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
- Cooling Temperature :
* Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.
3. 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.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. 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. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

Non TROPICAL MODEL

HEAT PUMP

ARUN040GSS0 / ARUN050GSS0 / ARUN060GSS0

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: www.eurovent-certification.com



HP			4	5	6
Model Name			ARUN040GSS0	ARUN050GSS0	ARUN060GSS0
Capacity (Rated)	Cooling	kW	12.1	14.0	15.5
		Btu/h	41,300	47,800	52,900
	Heating	kW	12.5	16.0	18.0
		Btu/h	42,700	54,600	61,400
Input (Rated)	Cooling	kW	4.03	4.59	5.17
	Heating	kW	3.10	4.18	5.00
EER (Rated)		W/W	3.00	3.05	3.00
COP (Rated)		W/W	4.03	3.83	3.60
Power Factor (Rated)			0.93	0.93	0.93
Exterior	Color		Warm Gray	Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		BLDC Inverter Twin Rotary	BLDC Inverter Twin Rotary	BLDC Inverter Twin Rotary
	Motor Output	W	4,000	4,000	4,000
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Motor Output x Number	W x No.	124 x 1	124 x 2	124 x 2
	Air Flow Rate (High)	m^3/min	60	110	110
		ft^3/min	2,119	3,885	3,885
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side
Pipe Connections	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
Dimensions (W x H x D)		mm	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 330
		inch	37-13/32 × 32-27/32 × 13	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13
Net Weight		kg	70	94	94
		lbs	154	207	207
Sound Pressure Level	Cooling / Heating	dB(A)	50 / 52	51 / 53	52 / 54
Sound Power Level	Cooling / Heating	dB(A)	72 / 75	72 / 76	72 / 77
Protection Devices	High Pressure Protection	-	High Pressure Sensor	High Pressure Sensor	High Pressure Sensor
	Comperssor/ 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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount	kg	1.8	3.0	3.0
		lbs	4.0	6.6	6.6
	t-CO_2eq		3.758	6.263	6.263
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	1 , 220 ~ 240 , 50	1 , 220 ~ 240 , 1 , 50	1 , 220 ~ 240 , 50
			1 , 220, 60	220, 1, 60	1 ,220, 60
Running Current	Cooling	A	19.70 - 18.84 - 18.06	22.43 - 21.46 - 20.56	25.27 - 24.17 - 23.16
	Heating	A	15.15 - 14.49 - 13.89	20.43 - 19.54 - 18.73	24.44 - 23.38 - 22.40
Number of Maxmum Connectable Indoor Units			8	10	13

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 Level Values are measured at Anechoic chamber. 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

Non TROPICAL MODEL

HEAT PUMP

ARUN040LSS0 / ARUN050LSS0 / ARUN060LSS0



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: www.eurovent-certification.com

HP			4	5	6
Model Name			ARUN040LSS0	ARUN050LSS0	ARUN060LSS0
Capacity (Rated)	Cooling	kW	12.1	14.0	15.5
		Btu/h	41,300	47,800	52,900
	Heating	kW	12.5	16.0	18.0
		Btu/h	42,700	54,600	61,400
Input (Rated)	Cooling	kW	3.39	4.59	5.17
	Heating	kW	2.75	4.18	5.00
EER (Rated)		W/W	3.57	3.05	3.00
COP (Rated)		W/W	4.55	3.83	3.60
Power Factor (Rated)			0.93	0.93	0.93
Exterior	Color		Warm Gray	Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		BLDC Inverter Twin Rotary	BLDC Inverter Twin Rotary	BLDC Inverter Twin Rotary
	Motor Output	W	4,000	4,000	4,000
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Motor Output x Number	W x No.	124 x 2	124 x 2	124 x 2
	Air Flow Rate (High)	m^3/min	110	110	110
		ft^3/min	3,885	3,885	3,885
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side
Pipe Connections	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
Dimensions (W x H x D)		mm	950 × 1,380 × 330	950 × 1,380 × 330	950 × 1,380 × 330
		inch	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13
Net Weight		kg	96	96	96
		lbs	212	212	212
Sound Pressure Level	Cooling / Heating	dB(A)	50 / 52	51 / 53	52 / 54
Sound Power Level	Cooling / Heating	dB(A)	72 / 76	72 / 76	72 / 77
Protection Devices	High Pressure Protection	-	High Pressure Sensor	High Pressure Sensor	High Pressure Sensor
	Comperssor/ 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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount	kg	3.0	3.0	3.0
		lbs	6.6	6.6	6.6
	t-CO_2eq		6.263	6.263	6.263
	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
Running Current	Cooling	A	5.54 - 5.26 - 5.07	7.50 - 7.12 - 6.87	8.45 - 8.02 - 7.73
	Heating	A	4.49 - 4.27 - 4.11	6.83 - 6.49 - 6.25	8.17 - 7.76 - 7.48
Number of Maxmum Connectable Indoor Units			8	10	13

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 Level Values are measured at Anechoic chamber. 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)

Non TROPICAL MODEL

HEAT PUMP

ARUN080LSS0 / ARUN100LSS0 / ARUN120LSS0



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HP			8	10	12
Model Name			ARUN080LSS0	ARUN100LSS0	ARUN120LSS0
Capacity (Rated)	Cooling	kW	22.4	28.0	33.6
		Btu/h	76,400	95,900	114,700
	Heating	kW	24.5	30.6	36.7
		Btu/h	83,600	104,400	125,200
Input (Rated)	Cooling	kW	8.45	12.44	15.27
	Heating	kW	6.96	8.50	12.23
EER (Rated)		W/W	2.65	2.25	2.20
COP (Rated)		W/W	3.52	3.60	3.00
Power Factor (Rated)			0.93	0.93	0.93
Exterior	Color		Warm Gray	Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W	4,200	5,300	5,300
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W x No.	124 x 2	250 x 2	250 x 2
	Air Flow Rate (High)	m^3/min	140	190	190
		ft^3/min	4,944	6,710	6,710
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side
Pipe Connections	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Gas	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø28.58 (11/8)
Dimensions (W x H x D)		mm	950 × 1,380 × 330	1,090 × 1,625 × 380	1,090 × 1,625 × 380
		inch	37-13/32 × 54-11/32 × 13	42-29/32 × 63-31/32 × 14-31/32	42-29/32 × 63-31/32 × 14-31/32
Net Weight		kg	115	142	155
		lbs	254	312	340
Sound Pressure Level	Cooling / Heating	dB(A)	57 / 57	58 / 58	60 / 60
Sound Power Level	Cooling / Heating	dB(A)	78 / 81	77 / 79	78 / 82
Protection Devices	High Pressure Protection	-	High Pressure Sensor	High Pressure Sensor	High Pressure Sensor
	Comperssor/ 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		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount	kg	3.5	4.5	6.0
		lbs	7.7	9.9	13.2
	t-CO_2eq		7.306	9.394	12.525
	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
Running Current	Cooling	A	13.8 - 13.11 - 12.64	20.32 - 19.31 - 18.61	24.95 - 23.7 - 22.84
	Heating	A	11.37 - 10.80 - 10.41	13.89 - 13.19 - 12.72	19.98 - 18.98 - 18.30
Number of Maxmum 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 Level Values are measured at Anechoic chamber. 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

Non TROPICAL MODEL

HEAT RECOVERY

ARUB060GSS4



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HP			6
Model Name			ARUB060GSS4
Capacity (Rated)	Cooling	kW	15.5
		Btu/h	52,900
	Heating	kW	18.0
		Btu/h	61,400
Input (Rated)	Cooling	kW	5.74
	Heating	kW	5.14
EER (Rated)		W/W	2.70
COP (Rated)		W/W	5.92
Power Factor (Rated)			0.93
Exterior	Color		Warm Gray
Heat Exchanger			Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll
	Motor Output	W	4,200
	Starting Method		DC Inverter Starting
	Oil Type		FW68D (PVE)
Fan	Type		Axial Flow Fan
	Motor Output x Number	W x No.	124 x 2
	Air Flow Rate (High)	m^3/min	110
		ft^3/min	3,885
	Drive		DC INVERTER
	Discharge	Side / Top	Side
Pipe Connections	Liquid Pipe	mm (inch)	Ø9.52 (3/8)
	Low Pressure Gas Pipe	mm (inch)	Ø19.05 (3/4)
	High Pressure Gas Pipe	mm (inch)	Ø15.88 (5/8)
Dimensions (W x H x D)		mm	950 × 1,380 × 330
		inch	37-13/32 × 54-11/32 × 13
Net Weight		kg	118
		lbs	260
Sound Pressure Level	Cooling / Heating	dB(A)	56 / 58
Sound Power Level	Cooling / Heating	dB(A)	76 / 78
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High pressure switch
	Compersor/ Fan	-	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm^2 (VCTF-SB)	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A
	Precharged Amount	kg	3.5
		lbs	7.7
	t-CO_2eq		7.306
	Control		Electronic Expansion Valve
Power Supply		Ø, V, Hz	1 , 220 ~ 230 ~ 240 , 50/60
Running Current	Cooling	A	28.05 - 26.83 - 25.72
	Heating	A	25.12 - 24.03 - 23.03
Number of Maxmum Connectable Indoor Units			13

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.

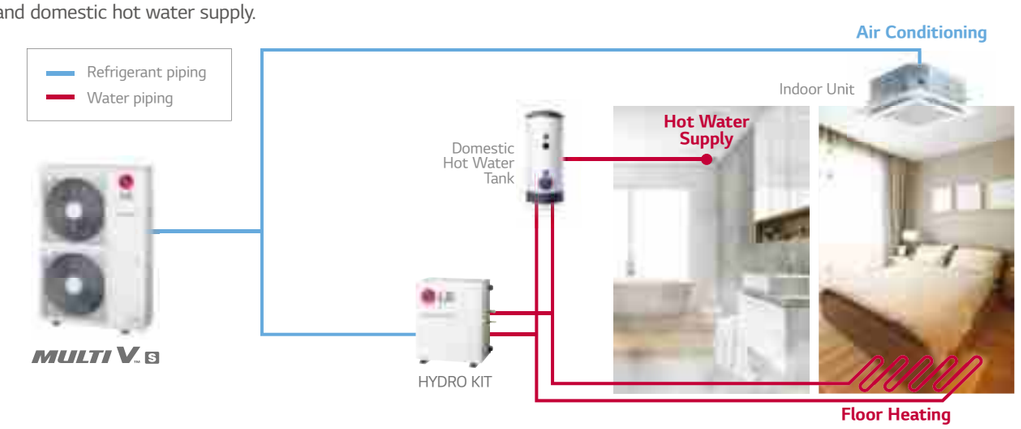
2. Performances are based on the following conditions :
- Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

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 Level Values are measured at Anechoic chamber. 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 APPLICATION GUIDE

System Diagram

Providing a total solution by heat pump, air conditioning (cooling by refrigerant & chilled water, heating by refrigerant & hot water) and domestic hot water supply.

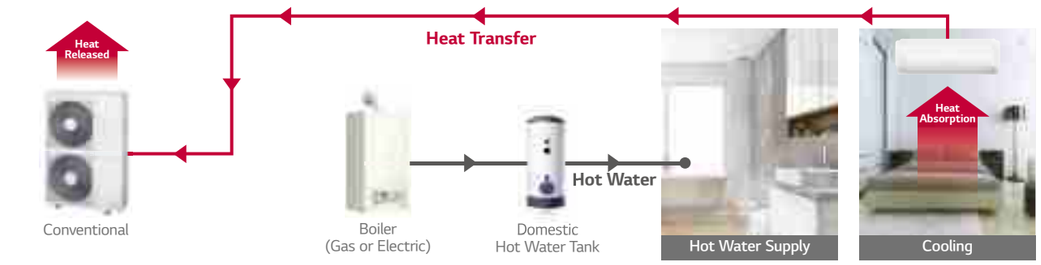


Energy Saving

Energy consumption can be reduced since absorbed heat from indoor space is used for supplying hot water.

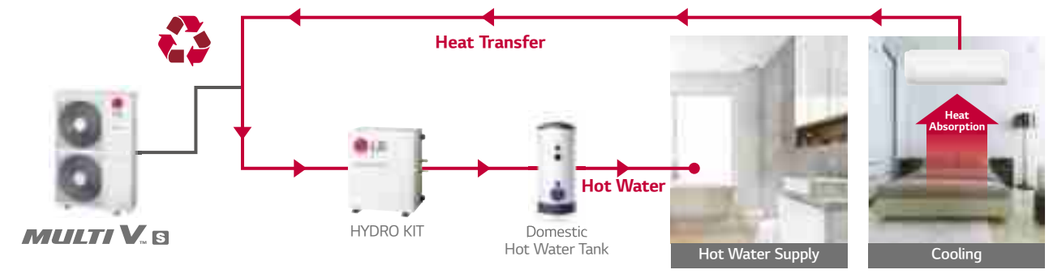
Conventional

Absorbed heat is released to outdoor air.



MULTI V S with HYDRO KIT

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





Highly efficient & Economical water source system

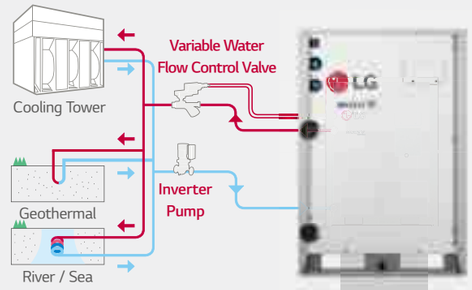
MULTI V™ WATER 5

Customer Benefits

- Operation independent of weather conditions
- Utilizing renewable source
- Replacement of Chiller-FCU system

VARIABLE WATER FLOW CONTROL

Buildings Made Eco-Friendly



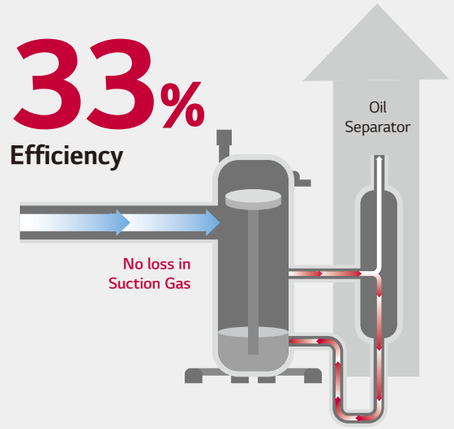
Energy Consumption **71%**

LG applied Variable Water Flow Control to optimize water flow control regarding partial cooling or heating load conditions.

HiPOR™

Maximizes Reliability and Efficiency of the Compressor

33%
Efficiency



HiPOR™ technology enables oil to return directly into the compressor, instead of returning through the refrigerant suction pipe. This does not waist energy when oil flows between the separator and the compressor.

LONGEST PIPING LENGTH

Design and Installation of Immense Variety of Building



Total **300m**

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.

COMPACT SIZE & LIGHT WEIGHT

Easy and Unrestricted Installation with Reduced Size and Weight

MAX Reduced size **24%**

MAX Reduced weight **43%**

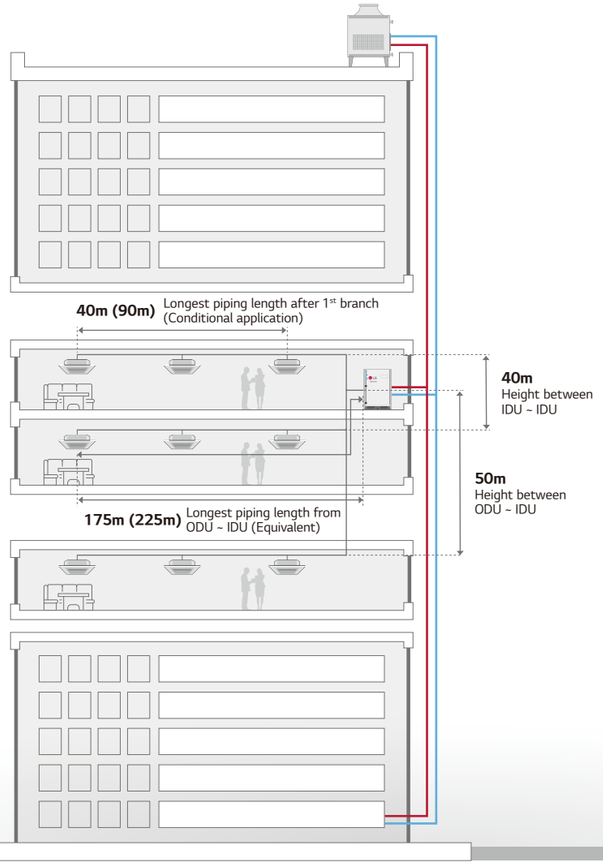


LG applied Variable Water Flow Control to optimize water flow control regarding partial cooling or heating load conditions.

※ Based on Same Capa.

MULTI V WATER 5

Piping Length



Total Piping Length	300m (500m)
Longest piping length from ODU ~ IDU (Equivalent)	175m (225m)
Longest piping length after 1st branch (Conditional application)	40m (90m)
Height between ODU ~ IDU	50m
Height between IDU ~ IDU	40m

High Efficiency System Regardless of External Conditions

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

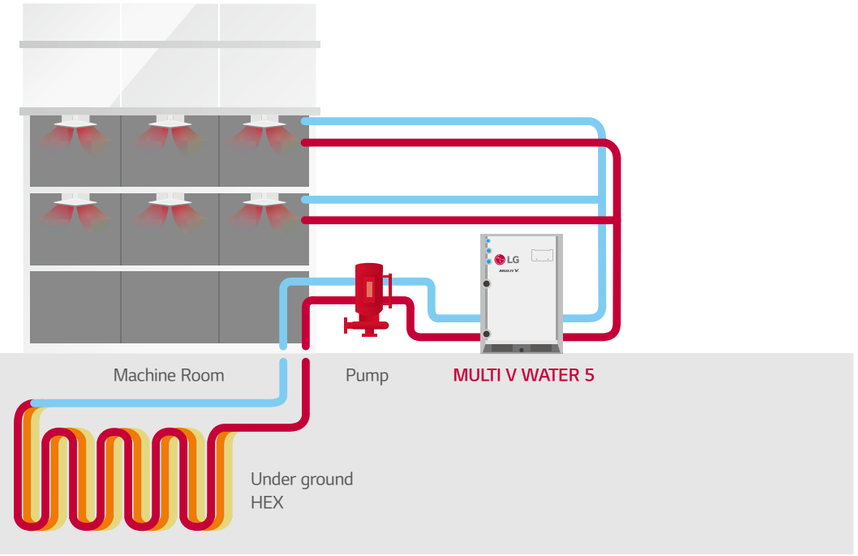


MULTI V WATER 5 System for Geothermal Applications

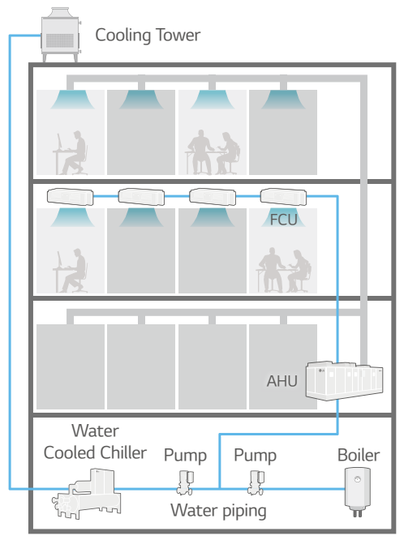
Uses underground heat sources such as soil, ground water, lake, river, etc. as renewable energy for cooling and Heating of a building. Water or antifreeze solution is circulated through the closed loop HDPE (High Density Poly-Ethylene) pipes buried beneath the earth's surface. It is a highly efficient and eco-friendly MULTI V system.

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

※ Please contact local LG office for application availability.

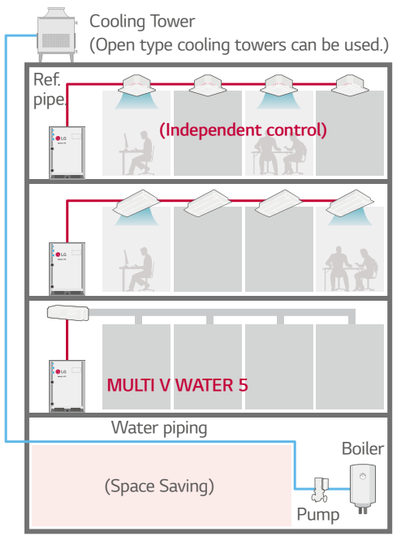


Chiller - FCU



Central control

MULTI V WATER 5



Independent control

MULTI V WATER 5

Economical, Highly Efficient System

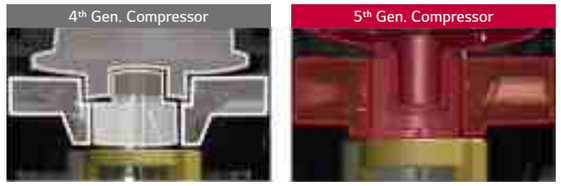
LG's key technologies are integrated to inverter compressor

Adopting a water-based cooling method, this unit optimizes performance in comparison to compressor capacity. It also ensures heat exchange performance for high-rise buildings, thus allowing electrical-savings.

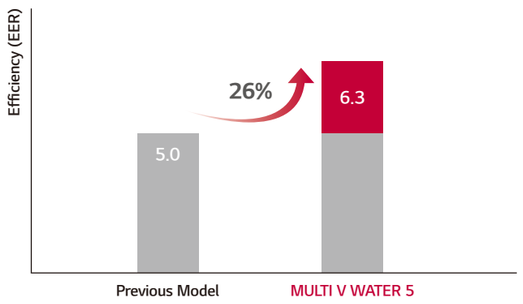


High Durability Inverter Compressor

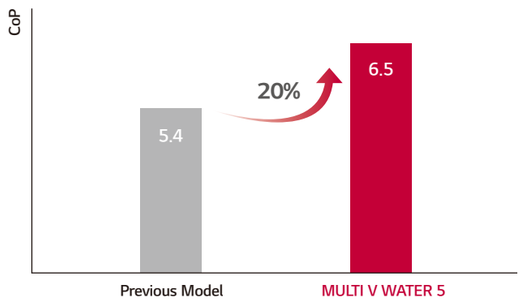
- High reliability and low noise with outer bearing
- The bearing is inserted into the space inside the shaft.
  This means that the force is applied to the outside of the bearing.
  → Main Bearing Load : 20% ↓ (vs. Inner Bearing)
  → Balance Weight Load : 30% ↓ (vs. Inner Bearing)



LG's 5th Generation Inverter Compressor



Economical, Highly Efficient System

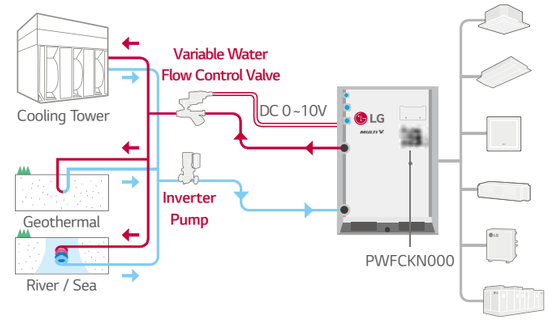


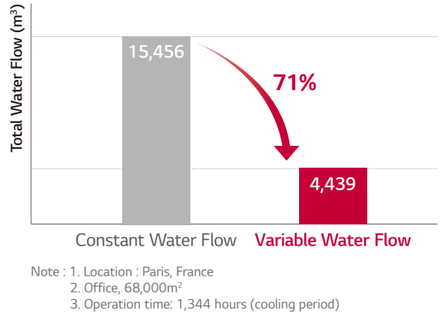
※ Comparison between 14HP in cooling mode

Variable Water Flow Control (Option)

Supporting your buildings to become greener

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.

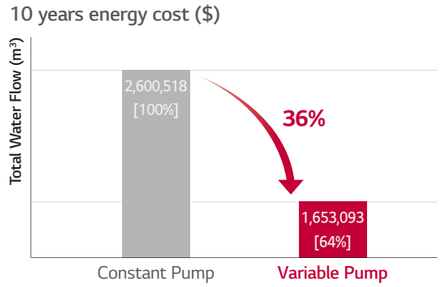




Note : 1. Location : Paris, France
2. Office, 68,000m²
3. Operation time: 1,344 hours (cooling period)

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

1) Multi V Water Variable Water system : Inverter Pump .
2) VRF Constant Water System : Constant Pump (Step Control).

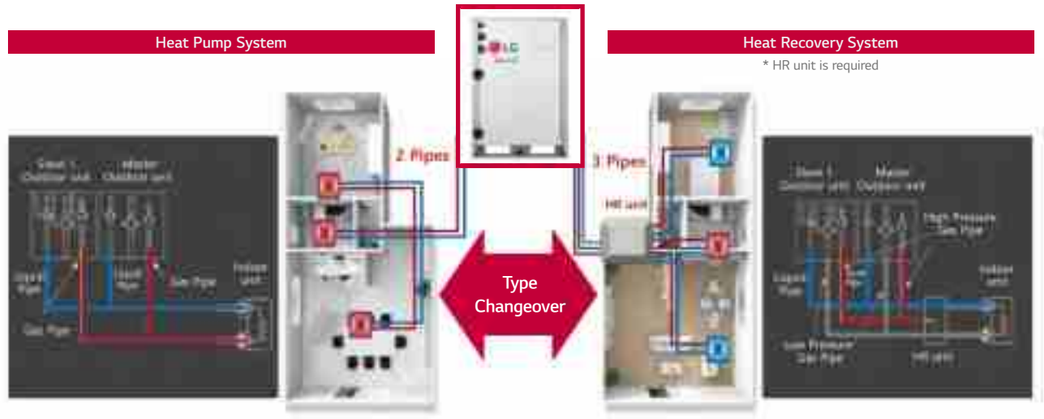


Unit	5 years		10 years	
	Energy Use (kWh)	Pump Running Cost ($)	Energy Use (kWh)	Pump Running Cost ($)
Constant pump	7,952,040	1,142,441	15,904,080	2,600,518
Variable pump	5,054,940	726,225	10,109,880	1,653,093

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

Interchangeable between H/P and H/R

Determination between Heat Pump System and Heat Recovery System with same model is possibleby 2 pipes or 3 pipes + HR Box installation for the purpose of the building at piping construction stage.



MULTI V WATER 5

Largest Capacity

World's largest capacity makes it easy to apply to large building and large systems

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

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

Compact Size

Significant uptake of construction space that can be used for commercial use or public space as much as possible

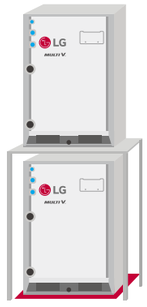
The optimal design of the compact, lightweight outdoor unit enables double stacking, which results in 51% savings in installation space.

Company B



8HP x 2EA
0.86 m²

MULTI V WATER 5



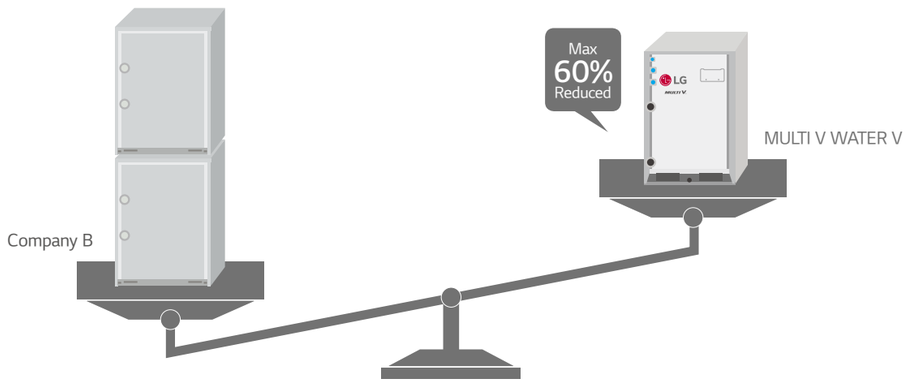
51% Reduced

16HP x 1EA
0.42 m²

※ Based on 16HP

Light Weight

Easier to transport and install than other brand due to max 60% difference of overall weight.



※ Based on 16HP

MEMO

MULTI V WATER 5

Precaution of Installation

1. Do not install the unit at the outdoors.
   - Otherwise it may cause fire, electric shock and trouble.

2. Keep the water temperature between **10 ~ 45°C** Other it may cause the breakdown.
   - 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.** Otherwise it may cause the breakdown due to water pipe corrosion. (Refer to 'Standard Table for Water Purity Control' in Installation manual.)

5. The water pressure resistance of the water pipe system of this product is **1.98MPa.**

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.

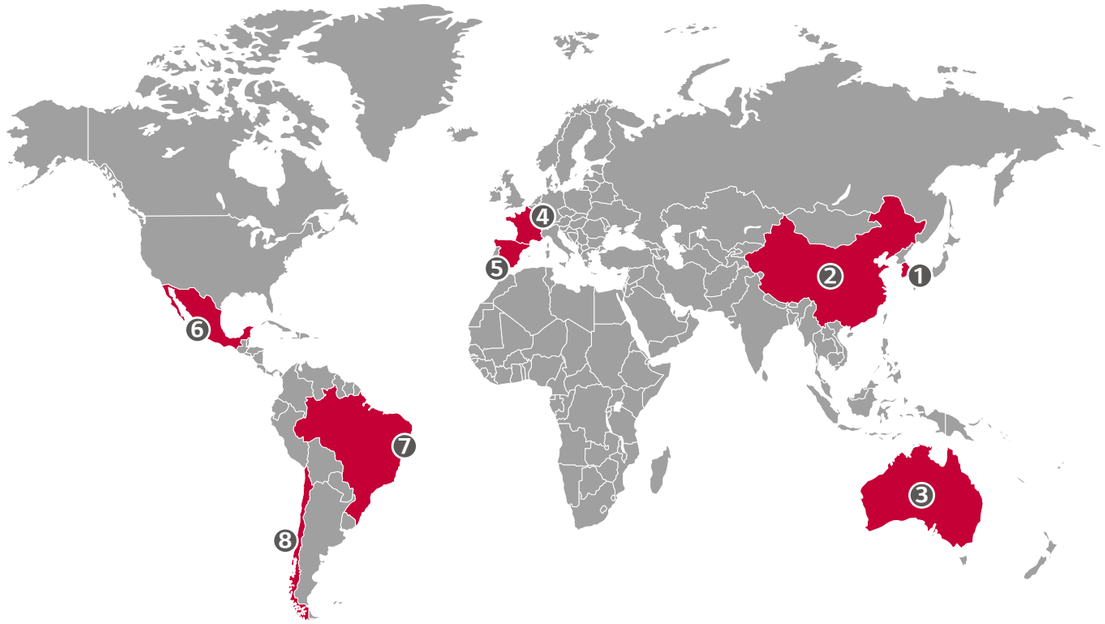
9. Install a **service port** to clean the heat exchanger at the each end of the water inlet and outlet.

10. You must install the **flow switch** to the water collection pipe system connecting to the outdoor unit.
    (**Flow switch** acts as the 1st protection device when the heat water is not supplied. If a certain level of water does not flow after installing the **flow switch**, an error sign of CH 189 error will be displayed on the product and the product will stop operating.)

11. When setting the flow switch, it is recommended to use the product with default set value to satisfy the minimum flow rate of this product. (The minimum flow rate range of this product is 50 %. Reference flow rate : 10 HP - 96 LPM, 20 HP - 192 LPM)

12. To protect the water cooling type product, you must install a **strainer with 50 mesh** or more on the heat water supply pipe. (It is recommended to install both a magnetic filter and a strainer.) If not installed, it can result in damage of heat exchanger by the following situation.
    1) Heat water supply within the plate type heat exchanger is composed of multiple small paths.
    2) If you do not use a strainer with 50 mesh or more, alien particles can partially block the water paths.
    3) When running the heater, the plate type heat exchanger plays the role of the evaporator, and at this time, the temperature of coolant side drops to drop the temperature of the heat water supply, which can result in icing point in the water paths.
    4) And as the heating process progresses, the water paths can be partially frozen to lead to damage in plate type heat exchanger.
    5) As a result of the damage of the heat exchanger from the freezing, the coolant side and the heat water source side will be mixed to make the product unusable.

MULTI V WATER GLOBAL REFERENCE SITE



1. Korea

PJT Name	Bld Type	Capacity
Seocho R&D Campus	Office	7,000HP
Songdo 22BL	Residential	6,016HP
Gasan R&D Campus	Office	2,850HP
Seokyo Xi West Valley	Shopping	2,184HP
Gasan IDC	Office	1,150HP

2. China

PJT Name	Bld Type	Capacity
Guangzhou Zhongjiao 1st	Office	4,212HP

3. Australia

PJT Name	Bld Type	Capacity
232 La Trobe Tower	Residential	334HP

4. France

PJT Name	Bld Type	Capacity
Bouygues HQ	Office	1,200HP

5. Spain

PJT Name	Bld Type	Capacity
Torre CEPSA	Office	400HP

6. Mexico

PJT Name	Bld Type	Capacity
Pedregal 24	Office	1,500HP

7. Brazil

PJT Name	Bld Type	Capacity
WT Towers	Office	4,700HP
Cidade Jardim	Office	4,700HP
JHSF Office	Office	4,000HP
Infinity Tower	Office	1,460HP
Sao Bento	Office	1,150HP

8. Chile

PJT Name	Bld Type	Capacity
Santa Rosa	Office	1,200HP

* Based on above 1,000HP

MULTI V WATER 5

HEAT RECOVERY

ARWM080LAS5 / ARWM100LAS5 / ARWM120LAS5



HP			8	10	12
Model Name	Combination Unit		ARWM080LAS5	ARWM100LAS5	ARWM120LAS5
	Independent Unit		ARWM080LAS5	ARWM100LAS5	ARWM120LAS5
Cooling Capacity	Rated	kW	22.4	28.0	33.6
Heating Capacity	Rated	kW	25.2	31.5	37.8
Power Input (Cooling)	Rated	kW	3.25	4.19	5.14
Power Input (Heating)	Rated	kW	3.50	4.57	5.56
Efficiency	EER (Rated)	W/W	6.90	6.68	6.54
	COP (Rated)	W/W	7.20	6.90	6.80
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5,300 x 1	5,300 x 1	5,300 x 1
	Starting Method		Inverter	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
Rated Water Flow		LPM	77	96	115
Range of Water Flow	Min.~Max.	LPM	57.0 ~ 115.5	57.0 - 144.0	57.0 - 170.0
Head Loss		kPa	10.6	15.9	22.1
Dimensions	Net (W x H x D)	mm	772 x 1,120 x 547	772 x 1,120 x 547	772 x 1,120 x 547
Weight	Net	kg	149 x 1	149 x 1	149 x 1
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	3.5	3.5	3.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Gas	mm(inch)	Ø19.05 (3/4)	Ø22.22 (7/8)	Ø28.58 (1-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	45.0 / 48.0	48.0 / 48.0	48.0 / 51.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	57.0 / 60.0	60.0 / 60.0	60.0 / 63.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		13 (20)	16 (25)	20 (30)
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130 (200)	50~130 (200)	50~130 (200)
Power Supply	※1	Ø, V, Hz	3, 380 - 400 - 415, 50	3, 380 - 400 - 415, 50	3, 380 - 400 - 415, 50
	※2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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 conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT RECOVERY

ARWM140LAS5 / ARWM160LAS5 / ARWM180LAS5



HP			14	16	18
Model Name	Combination Unit		ARWM140LAS5	ARWM160LAS5	ARWM180LAS5
	Independent Unit		ARWM140LAS5	ARWM160LAS5	ARWM180LAS5
Cooling Capacity	Rated	kW	39.2	44.8	50.4
Heating Capacity	Rated	kW	44.1	50.4	56.7
Power Input (Cooling)	Rated	kW	6.22	7.32	8.40
Power Input (Heating)	Rated	kW	6.78	8.06	8.72
Efficiency	EER (Rated)	W/W	6.30	6.12	6.00
	COP (Rated)	W/W	6.50	6.25	6.50
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5,300 x 1	5,300 x 1	5,300 x 1
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
Rated Water Flow		LPM	135	154	173
Range of Water Flow	Min.~Max.	LPM	67.0 - 170.0	77.0 - 175.0	96.0 - 240.0
Head Loss		kPa	29.6	37.7	24.6
Dimensions	Net (W x H x D)	mm	772 x 1,120 x 547	772 x 1,120 x 547	772 x 1,120 x 547
Weight	Net	kg	149 x 1	149 x 1	158 x 1
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	3.5	3.5	4.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Gas	mm(inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	52.0 / 53.0	52.0 / 56.0	54.0 / 57.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	64.0 / 65.0	64.0 / 68.0	66.0 / 69.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		23 (35)	26 (40)	29 (45)
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130 (200)	50~130 (200)	50~130 (200)
Power Supply	※1	Ø, V, Hz	3, 380-400-415, 50	3, 380-400-415, 50	3, 380-400-415, 50
	※2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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 conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER 5

HEAT RECOVERY

ARWM200LAS5 / ARWM220LAS5 / ARWM240LAS5



HP			20	22	24
Model Name	Combination Unit		ARWM200LAS5	ARWM220LAS5	ARWM240LAS5
	Independent Unit		ARWM200LAS5	ARWM120LAS5 ARWM100LAS5	ARWM120LAS5 ARWM120LAS5
Cooling Capacity	Rated	kW	56.0	61.6	67.2
Heating Capacity	Rated	kW	63.0	69.3	75.6
Power Input (Cooling)	Rated	kW	10.69	9.33	10.28
Power Input (Heating)	Rated	kW	11.05	10.13	11.12
Efficiency	EER (Rated)	W/W	5.24	6.60	6.54
	COP (Rated)	W/W	5.70	6.84	6.80
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5,300 x 1	5.3 x 2	5.3 x 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
Rated Water Flow		LPM	192	115 + 96	115 + 115
Range of Water Flow	Min.~Max.	LPM	96.0 - 240.0	114.0 ~ 314.0	114.0 ~ 340.0
Head Loss		kPa	29.9	22.1 + 15.9	22.1 + 22.1
Dimensions	Net (W x H x D)	mm	772 x 1,120 x 547	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2
Weight	Net	kg	158 x 1	149 x 2	149 x 2
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	4.5	3.5 + 3.5	3.5 + 3.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Gas	mm(inch)	Ø28.58 (1-1/8)	Ø28.58 (1-1/8)	Ø34.9 (1-3/8)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	55.0 / 56.0	51.0 / 53.0	51.0 / 54.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	67.0 / 68.0	64.0 / 66.0	64.0 / 67.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		32 (50)	35 (44)	39 (48)
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130 (200)	50~130 (160)	50~130 (160)
Power Supply	#1	Ø, V, Hz	3, 380-400-415, 50	3, 380-400-415, 50	3, 380-400-415, 50
	#2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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 conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT RECOVERY

ARWM260LAS5 / ARWM280LAS5 / ARWM300LAS5



HP			26	28	30
Model Name	Combination Unit		ARWM260LAS5	ARWM280LAS5	ARWM300LAS5
	Independent Unit		ARWM140LAS5 ARWM120LAS5	ARWM160LAS5 ARWM120LAS5	ARWM180LAS5 ARWM120LAS5
Cooling Capacity	Rated	kW	72.8	78.4	84.0
Heating Capacity	Rated	kW	81.9	88.2	94.5
Power Input (Cooling)	Rated	kW	11.36	12.46	13.54
Power Input (Heating)	Rated	kW	12.34	13.62	14.28
Efficiency	EER (Rated)	W/W	6.41	6.29	6.20
	COP (Rated)	W/W	6.64	6.48	6.62
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5.3 x 2	5.3 x 2	5.3 x 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
Rated Water Flow		LPM	135 + 115	154 + 115	173 + 115
Range of Water Flow	Min.~Max.	LPM	124.5 ~ 340.0	134.0 ~ 345.0	153.0 ~ 410.0
Head Loss		kPa	29.6 + 22.1	37.7 + 22.1	24.6 + 22.1
Dimensions	Net (W x H x D)	mm	(772 x 1,120 x 547) x 2	772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2
Weight	Net	kg	149 x 2	149 x 2	(158 x 1) + (149 x 1)
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	3.5 + 3.5	3.5 + 3.5	4.5 + 3.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas	mm(inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	53.0 / 55.0	53.0 / 57.0	55.0 / 58.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	66.0 / 68.0	66.0 / 70.0	68.0 / 71.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		42 (52)	45 (56)	49 (60)
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130 (160)	50~130 (160)	50~130 (160)
Power Supply	#1	Ø, V, Hz	3, 380-400-415, 50	3, 380-400-415, 50	3, 380-400-415, 50
	#2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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 conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER 5

HEAT RECOVERY

ARWM320LAS5 / ARWM340LAS5 / ARWM360LAS5



HP			32	34	36
Model Name	Combination Unit		ARWM320LAS5	ARWM340LAS5	ARWM360LAS5
	Independent Unit		ARWM200LAS5 ARWM120LAS5	ARWM200LAS5 ARWM140LAS5	ARWM200LAS5 ARWM160LAS5
Cooling Capacity	Rated	kW	89.6	95.2	100.8
Heating Capacity	Rated	kW	100.8	107.1	113.4
Power Input (Cooling)	Rated	kW	15.83	16.91	18.01
Power Input (Heating)	Rated	kW	16.61	17.83	19.11
Efficiency	EER (Rated)	W/W	5.66	5.63	5.60
	COP (Rated)	W/W	6.07	6.01	5.93
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5.3 x 2	5.3 x 2	5.3 x 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
Rated Water Flow		LPM	192 + 115	192 + 135	192 + 154
Range of Water Flow	Min.~Max.	LPM	153.0 ~ 410.0	163.5 ~ 410.0	173.0 ~ 415.0
Head Loss		kPa	29.9 + 22.1	29.9 + 29.6	29.9 + 37.7
Dimensions	Net (W x H x D)	mm	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2
Weight	Net	kg	(158 x 1) + (149 x 1)	(158 x 1) + (149 x 1)	(158 x 1) + (149 x 1)
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	4.5 + 3.5	4.5 + 3.5	4.5 + 3.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas	mm(inch)	Ø34.9 (1-3/8)	Ø34.9 (1-3/8)	Ø41.3 (1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	56.0 / 57.0	57.0 / 58.0	57.0 / 59.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	69.0 / 70.0	70.0 / 71.0	70.0 / 72.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		52 (64)	55 (64)	58 (64)
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130 (160)	50~130 (160)	50~130 (160)
Power Supply	#1	Ø, V, Hz	3, 380-400-415, 50	3, 380-400-415, 50	3, 380-400-415, 50
	#2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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 conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT RECOVERY

ARWM380LAS5 / ARWM400LAS5 / ARWM420LAS5



HP			38	40	42
Model Name	Combination Unit		ARWM380LAS5	ARWM400LAS5	ARWM420LAS5
	Independent Unit		ARWM200LAS5 ARWM180LAS5	ARWM200LAS5 ARWM200LAS5	ARWM200LAS5 ARWM140LAS5 ARWM080LAS5
Cooling Capacity	Rated	kW	106.4	112.0	117.6
Heating Capacity	Rated	kW	119.7	126.0	132.3
Power Input (Cooling)	Rated	kW	19.09	21.38	20.16
Power Input (Heating)	Rated	kW	19.77	22.10	21.33
Efficiency	EER (Rated)	W/W	5.57	5.24	5.83
	COP (Rated)	W/W	6.05	5.70	6.20
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5.3 x 2	5.3 x 2	5.3 x 3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
Rated Water Flow		LPM	192 + 173	192 + 192	192 + 135 + 77
Range of Water Flow	Min.~Max.	LPM	192.0 ~ 480.0	192.0 ~ 480.0	220.5 ~ 525.5
Head Loss		kPa	29.9 + 24.6	29.9 + 29.9	29.9 + 29.6 + 10.6
Dimensions	Net (W x H x D)	mm	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 2	(772 x 1,120 x 547) x 3
Weight	Net	kg	158 x 2	158 x 2	(158 x 1) + (149 x 2)
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	4.5 + 4.5	4.5 + 4.5	4.5 + 3.5 + 3.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas	mm(inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	58.0 / 60.0	58.0 / 59.0	57.0 / 58.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	71.0 / 73.0	71.0 / 72.0	71.0 / 72.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		61 (64)	64	64
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130 (160)	50~130 (160)	50~130
Power Supply	#1	Ø, V, Hz	3, 380-400-415, 50	3, 380-400-415, 50	3, 380-400-415, 50
	#2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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 conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER 5

HEAT RECOVERY

ARWM440LAS5 / ARWM460LAS5 / ARWM480LAS5



HP			44	46	48
Model Name	Combination Unit		ARWM440LAS5	ARWM460LAS5	ARWM480LAS5
	Independent Unit		ARWM200LAS5 ARWM140LAS5 ARWM100LAS5	ARWM200LAS5 ARWM140LAS5 ARWM120LAS5	ARWM200LAS5 ARWM140LAS5 ARWM140LAS5
Cooling Capacity	Rated	kW	123.2	128.8	134.4
Heating Capacity	Rated	kW	138.6	144.9	151.2
Power Input (Cooling)	Rated	kW	21.10	22.05	23.13
Power Input (Heating)	Rated	kW	22.40	23.39	24.61
Efficiency	EER (Rated)	W/W	5.84	5.84	5.81
	COP (Rated)	W/W	6.19	6.19	6.14
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5.3 x 3	5.3 x 3	5.3 x 3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
Rated Water Flow		LPM	192 + 135 + 96	192 + 135 + 115	192 + 135 + 135
Range of Water Flow	Min.~Max.	LPM	220.5 ~ 554.0	220.5 ~ 580.0	231.0 ~ 580.0
Head Loss		kPa	29.9 + 29.6 + 15.9	29.9 + 29.6 + 22.1	29.9 + 29.6 + 29.6
Dimensions	Net (W x H x D)	mm	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3
Weight	Net	kg	(158 x 1) + (149 x 2)	(158 x 1) + (149 x 2)	(158 x 1) + (149 x 2)
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	4.5 + 3.5 + 3.5	4.5 + 3.5 + 3.5	4.5 + 3.5 + 3.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas	mm(inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	57.0 / 58.0	57.0 / 59.0	58.0 / 59.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	71.0 / 72.0	71.0 / 73.0	72.0 / 73.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		64	64	64
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130	50~130	50~130
Power Supply	#1	Ø, V, Hz	3, 380-400-415, 50	3, 380-400-415, 50	3, 380-400-415, 50
	#2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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 conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT RECOVERY

ARWM500LAS5 / ARWM520LAS5 / ARWM540LAS5



HP			50	52	54
Model Name	Combination Unit		ARWM500LAS5	ARWM520LAS5	ARWM540LAS5
	Independent Unit		ARWM200LAS5 ARWM200LAS5 ARWM100LAS5	ARWM200LAS5 ARWM200LAS5 ARWM120LAS5	ARWM200LAS5 ARWM200LAS5 ARWM140LAS5
Cooling Capacity	Rated	kW	140.0	145.6	151.2
Heating Capacity	Rated	kW	157.5	164	170.1
Power Input (Cooling)	Rated	kW	25.57	27	27.60
Power Input (Heating)	Rated	kW	26.67	27.66	28.88
Efficiency	EER (Rated)	W/W	5.48	5.49	5.48
	COP (Rated)	W/W	5.91	5.92	5.89
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5.3 x 3	5.3 x 3	5.3 x 3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm²	45	45	45
Rated Water Flow		LPM	192 + 192 + 96	192 + 192 + 115	192 + 192 + 135
Range of Water Flow	Min.~Max.	LPM	249.0 ~ 624.0	249.0 ~ 650.0	259.5 ~ 650.0
Head Loss		kPa	29.9 + 29.9 + 15.9	29.9 + 29.9 + 22.1	29.9 + 29.9 + 29.6
Dimensions	Net (W x H x D)	mm	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3
Weight	Net	kg	(158 x 2) + (149 x 1)	(158 x 2) + (149 x 1)	(158 x 2) + (149 x 1)
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	4.5 + 4.5 + 3.5	4.5 + 4.5 + 3.5	4.5 + 4.5 + 3.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas	mm(inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	41.3(1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	59.0 / 59.0	59.0 / 60.0	59.0 / 60.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	73.0 / 73.0	73.0 / 74.0	73.0 / 74.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		64	64	64
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130	50~130	50~130
Power Supply	#1	Ø, V, Hz	3, 380-400-415, 50	3, 380-400-415, 50	3, 380-400-415, 50
	#2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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 conditons during operation.
5. This product contains Fluorinated Greenhouse Gases. (R410A, GWP (Global warming potential) = 2,087.5)
6. Add an anti freeze to circulation water when outdoor unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER 5

HEAT RECOVERY

ARWM560LAS5 / ARWM580LAS5 / ARWM600LAS5



HP			56	58	60
Model Name	Combination Unit		ARWM560LAS5	ARWM580LAS5	ARWM600LAS5
	Independent Unit		ARWM200LAS5 ARWM200LAS5 ARWM160LAS5	ARWM200LAS5 ARWM200LAS5 ARWM180LAS5	ARWM200LAS5 ARWM200LAS5 ARWM200LAS5
Cooling Capacity	Rated	kW	156.8	162.4	168.0
Heating Capacity	Rated	kW	176.4	182.7	189.0
Power Input (Cooling)	Rated	kW	28.70	29.78	32.07
Power Input (Heating)	Rated	kW	30.16	30.82	33.15
Efficiency	EER (Rated)	W/W	5.46	5.45	5.24
	COP (Rated)	W/W	5.85	5.93	5.70
Compressor	Type	-	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W x No.	5.3 x 3	5.3 x 3	5.3 x 3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
Rated Water Flow		LPM	192 + 192 + 154	192 + 192 + 173	192 + 192+ 192
Range of Water Flow	Min.~Max.	LPM	269.0 ~ 655.0	288.0 ~ 720.0	288.0 ~ 720.0
Head Loss		kPa	29.9 + 29.9 + 37.7	29.9 + 29.9 + 24.6	29.9 + 29.9 + 29.9
Dimensions	Net (W x H x D)	mm	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3	(772 x 1,120 x 547) x 3
Weight	Net	kg	(158 x 2) + (149 x 1)	158 x 3	158 x 3
Exterior	Color	-	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Protection Divice	High Pressure Prevention	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Discharge Tempreature Control	-	Over-heat protection	Over-heat protection	Over-heat protection
	Inverter Protection	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Refrigerant	Type	-	R410A	R410A	R410A
	Precharged Amount	kg	4.5 + 4.5 + 3.5	4.5 + 4.5 + 4.5	4.5 + 4.5 + 4.5
	Control Device	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Connecting Pipe	Liquid	mm(inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05 (3/4)
	Gas	mm(inch)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)	Ø41.3 (1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Sound Pressure Level (Outdoor Unit)	Cooling / Heating (@ 1.5m height)	dB(A)	59.0 / 61.0	60.0 / 61.0	60.0 / 61.0
Sound Power Level (Outdoor Unit)	Cooling / Heating	dB(A)	73.0 / 75.0	74.0 / 75.0	74.0 / 75.0
Connecting Cable	Communication Cable (VCTF-SB)	mm^2 × cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Connectable indoor units number	Max. (Conditional)		64	64	64
Allowable Total Indoor Unit Connected Capacity Ratio	Min. / Max. (Conditional)		50~130	50~130	50~130
Power Supply	#1	Ø, V, Hz	3, 380-400-415, 50	3, 380-400-415, 50	3, 380-400-415, 50
	#2	Ø, V, Hz	3, 380, 60	3, 380, 60	3, 380, 60

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%.
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   - Cooling : Indoor temp 27°C (80.6°F) DB / 19°C (66.2°F) WB, Water inlet temp 30°C (86°F)
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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.)

MEMO

INDOOR UNITS

- CEILING CONCEALED DUCT
- FRESH AIR INTAKE
- ROUND CASSETTE
- SMART DUAL VANE CASSETTE
- CEILING MOUNTED CASSETTE
- WALL MOUNTED
- PAC
- CEILING SUSPENDED
- CEILING & FLOOR CONVERTIBLE
- CONSOLE & FLOOR STANDING
- COMPATIBILITY
- FEATURE FUNCTIONS



INDOOR UNITS LINE-UP

Category		kW	1.5	2.2	2.8	3.2	3.6	4.5	5.6	6.2	7.1	8.2	9	10.6	12.3	13.5	14.1	15.8	18	22.4	28
		Btu/h	5k	7k	9k	11k	12k	15k	18k	21k	24k	28k	30k	36k	42k	45k	48k	54k	60k	76k	96k
Ceiling Concealed Duct	Mid Statics			●	●		●	●	●		●	●		●	●		●	●			
	High Statics																			●	●
	Low Statics		●	●	●		●	●	●	●	●										
Fresh Air Intake																				●	●
Ceiling Mounted Cassette	Round Cassette										●			●			●				
	Smart Dual Vane Cassette										●	●	●	●	●		●				
	4 Way Cassette (570 x 570)			●	●		●	●	●	●											
	2 Way Cassette				●		●		●		●										
	1 Way Cassette			●	●		●		●		●										
Wall Mounted	Artcool Mirror		●	●	●		●	●	●		●										
	Artcool Gallery			●	●		●														
	Standard		●	●	●		●	●	●		●		●	●							
PAC																	●				●
Ceiling Suspended									●		●			●			●				
Ceiling & Floor Convertible					●		●														
Console				●	●		●	●													
Floor Standing	Floor Standing with Case			●	●		●	●	●		●										
	Floor Standing without Case			●	●		●	●	●		●										
Energy Recovery Ventilator	ERV Without DX Coil			●		●		●			●		●			●			●		
	ERV With DX Coil — With Humidifier							●			●		●								
	ERV With DX Coil — Without Humidifier							●			●		●								
Hydro Kit	Low Temperature														●						●
	High Temperature														●					●	

* More detailed information, refer to the 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)	1 Point External Input (On / Off Control)	Filter Sign (Remaining Time)	Auto Rerstart Function Disable / Enable	Wi-Fi Ready
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
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●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
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●	●	●	●	●	●	●	●	●	●	●		●	●	●	●
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				●	●		●	●			●	●	●	●	
				●	●		●	●			●	●	●	●	
●			●	●	●	●	●	●	●	●		●		●	●
●			●	●	●	●	●	●	●	●		●		●	●

Advanced Air Conditioning System

COOLING WITH PURIFIED AIR



Powerful Air-purifying Performance

CAC certification guarantees powerful air purification performance to large space.

CAC certification?

The Korea Air Cleaning Association strictly tests the air cleaning function of air conditioner products and provide certification to the product that give credibility to consumers.



Air purification Performance Testing Result

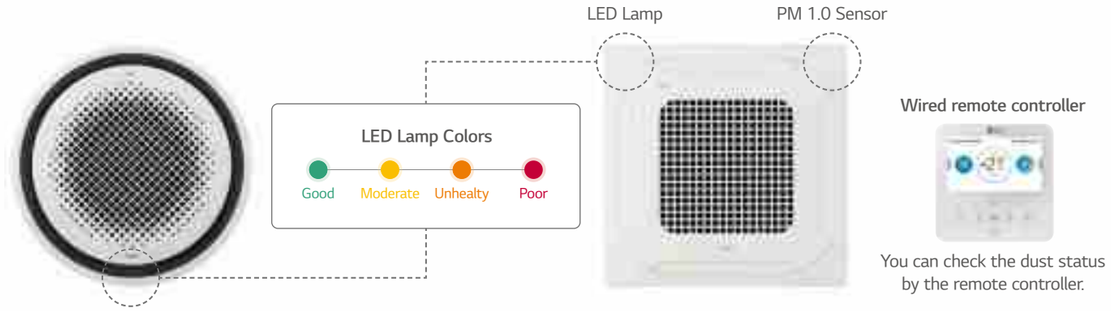
Testing institute : Korea Institute of Machinery and Materials.
Test Standard : KACA-CAC-2011, Air purification integrated air conditioner
Maker : LG Electronics
Model Name : RNW1450T2S(14.5kW, 48kBtu/h)

※ This model name is Korean market model name

No	Testing Item	Unit	Testing Result	Standard
1	Clean Air Delivery Rate (CADR)	m^3/min	19.1	10.0 m^3/min↑
		m^3/h	1145	
2	Harmful Gas Removal Efficiency	%	63	
3	Ozone generation density	ppm	TR	0.01↓
4	Noise Level	dB(A)	48.9	55↓
5	Treatable Area	m^2	147	

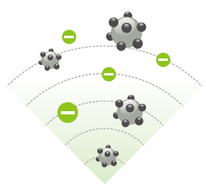
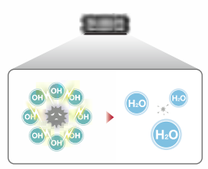
Real time Air Quality Monitoring

The condition of the air is displayed in different colors on the LED display. The remote control can check the dust concentration in numerical values PM 1.0 sensor detects dust density of three sizes (Fine dust, Ultra-fine dust and Micro-fine dust) You can check the indoor air condition on the cassette panel and the remote control.



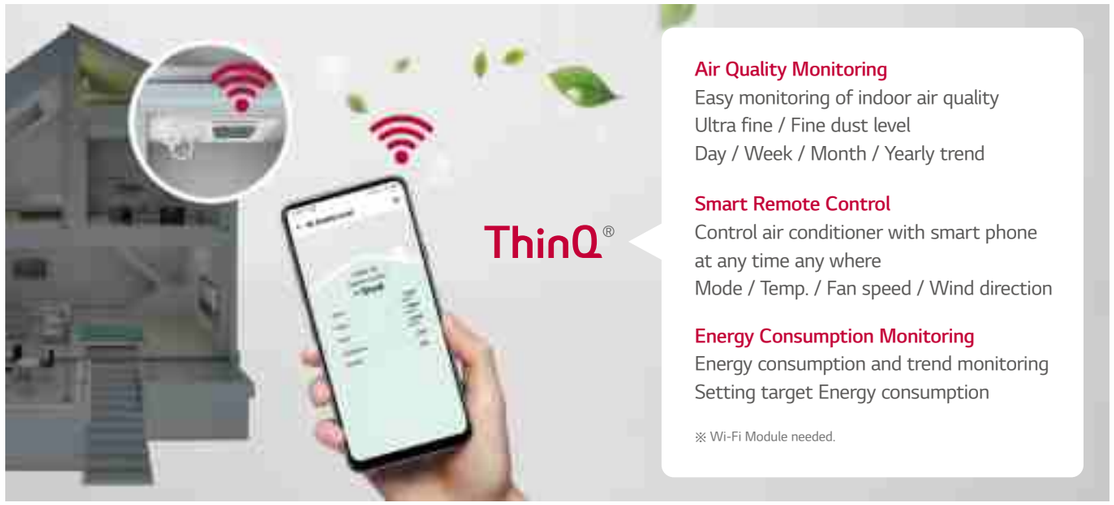
5-Step Air Cleaning Process

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

1st Step	2nd Step	3rd Step	4th Step	5th Step
Pre filter	Anion Emission	Ultra-fine dust filter	Photocatalytic deodorization filter	Sterilization Ionizer
				
Multi layer structure allows dust removal efficiency to be 2.5 times higher and dust is also reduced by more than 40%	Anion increases the electrostatic force of dust Improves dust collection efficiency on filter	Fine to ultra-fine dust removal of up to 99%	High efficiency gas absorption technology by application of corotation concept. Deodorizing Efficiency Up! Pressure loss Down!	High concentration plasma ion emission. Sterilize the virus that can cause food poisoning and pneumonia
Cleaning every 2 weeks Washing with water	No need of replacement	Cleaning every 6 months Washing with water	Cleaning every 6 months Dry	No need of replacement

ThinQ App

Air quality monitoring and operation control can be managed easily through Wi-Fi mobile application ThinQ.



Advanced Air Conditioning Technology

ENERGY EFFICIENCY



1 Point External Input (On / Off Control)

Indoor units can control external devices without dry contact, so customer can save cost of installation.

Connection between an indoor unit and external devices directly



Not necessary



Key tag

Motion Detector Sensor



Cost Savings

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

Energy Monitoring (Accumulated Electric Energy Check)

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

Install Scene



Premium wired remote controller

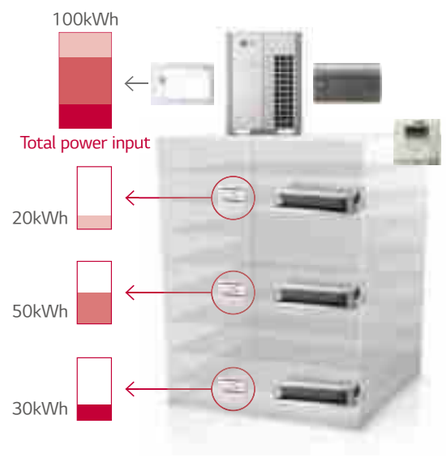
Total accumulated electric energy 595kWh

Standard wired remote controller



Total accumulated electric energy 3,977kWh

Apply for Multistory Building



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

Filter Sign (Remaining Time)

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

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.

CEILING CONCEALED DUCT



Features & Benefits

- UV nano filter box (Optional) can make and provide clean indoor air quality.
- Minimalist visibility (Hidden within ceiling) to blend seamlessly into any interior.
- Easy and flexible duct adjusts air volume with External Static Pressure (ESP) control.

Key Applications

- Hotel / Conference Center
- Restaurant
- Retail / Shopping Center
- Church
- School
- Historic Building
- Office

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	○	○	○

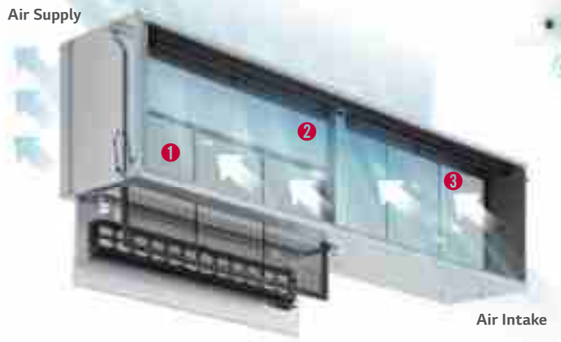
※ ○ : Applied, - : Not applied

UVnano™ Filter Box

LG UVnano Filter Box can effectively create a safe indoor environment by trapping and removing various harmful substances such as Ultrafine dust, bacteria and viruses in the form of droplets.



Air Purification Operation





Step 1

Pre-Filter

- Trap large particles
  - Fine dust
  - Bacteria
  - Viruses in the form of droplets



Step 2

UVnano

- Sterilize bacteria and viruses parasitized on bacteria up to 99.99%[1] by irradiating ultraviolet rays



Step 3

ePM$_1$ 65% Filter

- Trap particles as small as 0.3μm in size[2]

1) Based on TÜV Rheinland test coducted according to LG test method in compliance with ISO 20743, removing 99.99 of percent of Staphylococcus aureus, Staphylococcus epidermidis, and Klebsiella pneumoniae after being exposed to UV LED lights for 4 hours (Tested Models : PBM13M3UA0, PBM13M2UA0, PBM13M1UA0)
2) Based on KCL (Korea Conformity Laboratories) test conducted in compliance with ISO 16890

Certificate



Certified Test Report

The built-in UV LED module of tested model (PBM13M3UA0) has over 99.99% sterilization performance on average to bacteria at measuring points of the Pre-Filter under the proposed test condition.

** Tested by TUV Rheinland Standard



Certified Test Report

The built-in UV LED module of tested model (PBM13M3UA0) has 99.99% sterilization performance to virus (Phi X 174) at measuring points of the Pre-Filter under the proposed test condition.

** Tested by TUV Rheinland Standard

ePM$_1$ 65% Filter

ePM$_1$ 65% Filtering capability rating in accordance with ISO 16890

Certified Test Report







Comparison of Filter Classes

EN 779	ISO 16890 (Average Efficiency)				ASHRAE 52.2
Filter Class	ePM$_1$	ePM$_{2.5}$	ePM$_{10}$	Coarse	Filter Rating
G1	-	-	-	-	MERV 1-4
G2	-	-	-	30% ~ 50%	MERV 1-4
G3	-	-	-	45% ~ 65%	MERV 5
G4	-	-	-	60% ~ 85%	MERV 6~8
M5	5% ~ 35%	10% ~ 45%	40% ~ 70%	80% ~ 95%	MERV 8~10
M6	10% ~ 40%	20% ~ 50%	45% ~ 80%	> 90%	MERV 9~13
F7	40% ~ 65%	50% ~ 75%	80% ~ 90%	> 95%	MERV 13~14
F8	65% ~ 90%	75% ~ 95%	90% ~ 100%	> 95%	MERV 14~15
F9	80% ~ 90%	85% ~ 95%	90% ~ 100%	> 95%	MERV 16

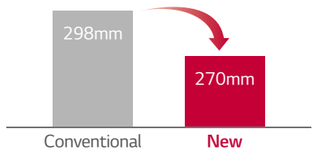
** Tested by KCL (Korea Conformity Laboratories)
※ ISO 16890 Standard provides lab evaluation procedures which more realistically simulate actual operating conditions, replacing EN 779 Standard's filter classes G1-F9 by a classification system based on particulate groups PM1, PM2.5 and PM10.
※ Unlike EN 779 Standard which specifies Filter Classes, ISO 16890 Standard classifies according to Filter Groups, evaluating a filter's performance by its arrestance of particles from 0.3μm to 10μm in size. Filter Group PM1 comprises particulate sizes ≤ 1.0μm, PM2.5 includes particulates sizes ≤ 2.5μm and PM10 covers particulate sizes ≤ 10μm.
※ Minimum efficiency is defined as the efficiency achieved following electrostatic discharge of the filter before testing.
※ Average efficiency is calculated by averaging the filter's efficiencies in the untreated state (before electrostatic discharge) and in the discharged state.

CEILING CONCEALED DUCT

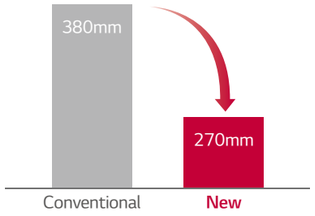
Minimized Height

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

8 / 10kW



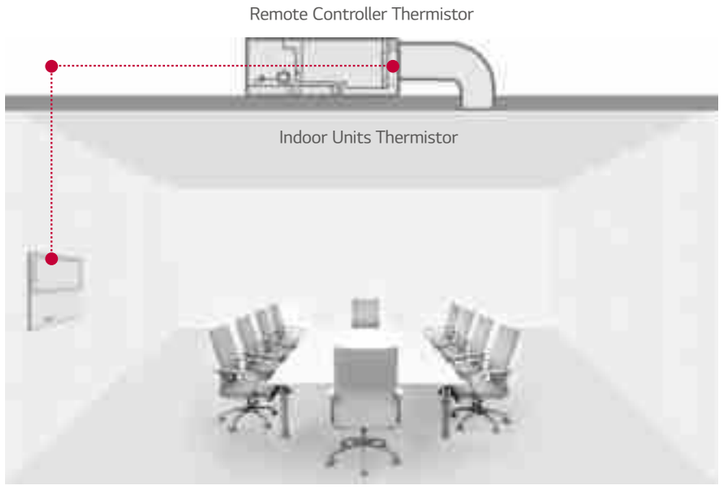
12.5kW





Two Thermistors Control

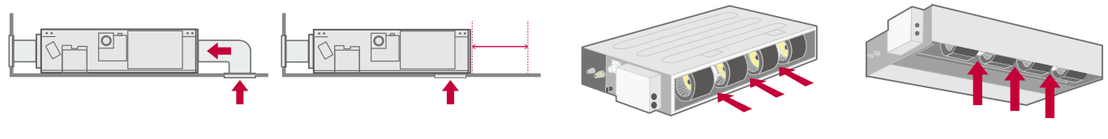
The indoor temperature can be checked using the thermi-stors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimize indoor air temperature for a more comfortable environment.



Flexible Installation (Low Static Duct Only)

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

Air intake at the rear or bottom



MID STATIC

ARNU07GM1A4 / ARNU09GM1A4 / ARNU12GM1A4



Model		Unit	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4
Cooling Capacity		kW	2.2	2.8	3.6
		Btu/h	7,500	9,600	12,300
Heating Capacity		kW	2.5	3.2	4.0
		Btu/h	8,500	10,900	13,600
Power Input (H / M / L)		W	39 / 30 / 25	40 / 32 / 26	46 / 38 / 31
Dimensions (W x H x D)	Body	mm	900 × 270 × 700	900 × 270 × 700	900 × 270 × 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	136 x 1	136 x 1	136 x 1
	Air Flow Rate (H / M / L) (Factory Set)	m^3/min	9.0 / 7.5 / 6.0	9.5 / 7.5 / 6.0	11.0 / 9.0 / 7.0
	External Static Pressure	mmAq (Pa)	6 (59)	6 (59)	6 (59)
	Drive		Direct	Direct	Direct
	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)	25 (1)	25 (1)	25 (1)
Net Weight	Body	kg (lbs)	25.0 (55)	25.0 (55)	25.0 (55)
Sound Pressure Levels (H / M / L)		dB(A)	26 / 24 / 23	27 / 25 / 23	27 / 25 / 23
Sound Power Levels (H / M / L)		dB(A)	55 / 54 / 51	55 / 54 / 52	56 / 54 / 52
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm^2	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Duct Filter Box			PBM13M1UA0	PBM13M1UA0	PBM13M1UA0

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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
Drain Pump	○		
Cassette Cover	-		
Refrigerant Leakage Detector	PRLDNVS0		
EEV Kit	PRGK024A0 (~5.6kW)		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	PWLRVN000		
Zone Controller	ABZCA		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)	○		
Wi-Fi	PWFMDD200		

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

MID STATIC

ARNU15GM1A4 / ARNU18GM1A4 / ARNU24GM1A4



Model		Unit	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Cooling Capacity		kW	4.5	5.6	7.1
		Btu/h	15,400	19,100	24,200
Heating Capacity		kW	5.0	6.3	8.0
		Btu/h	17,100	21,500	27,300
Power Input (H / M / L)		W	67 / 53 / 46	85 / 63 / 55	91 / 74 / 58
Dimensions (W x H x D)	Body	mm	900 × 270 × 700	900 × 270 × 700	900 × 270 × 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	136 x 1	136 x 1	136 x 1
	Air Flow Rate (H / M / L) (Factory Set)	m^3/min	16.0 / 12.0 / 9.0	17.0 / 14.5 / 12.0	19.0 / 16.0 / 14.0
	External Static Pressure	mmAq (Pa)	6 (59)	6 (59)	6 (59)
	Drive		Direct	Direct	Direct
	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)	25 (1)	25 (1)	25 (1)
Net Weight		kg (lbs)	25.0 (55)	25.0 (55)	25.9 (57)
Sound Pressure Levels (H / M / L)		dB(A)	30 / 27 / 23	31 / 28 / 25	32 / 29 / 26
Sound Power Levels (H / M / L)		dB(A)	59 / 57 / 55	59 / 57 / 55	59 / 58 / 56
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm^2	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
UVnano Filter Box			PBM13M1UA0	PBM13M1UA0	PBM13M1UA0

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Drain Pump	○		
Cassette Cover	-		
Refrigerant Leakage Detector	PRLDNVS0		
EEV Kit	PRGK024A0 (~5.6kW)		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	PWLRVN000		
Zone Controller	ABZCA		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)	○		
Wi-Fi	PWFMDD200		

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

ARNU28GM2A4 / ARNU36GM2A4 / ARNU42GM2A4
ARNU48GM3A4 / ARNU54GM3A4



Model		Unit	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3A4	ARNU54GM3A4
Cooling Capacity		kW	8.2	10.6	12.3	14.1	15.8
		Btu/h	28,000	36,200	42,000	48,100	54,000
Heating Capacity		kW	9.2	11.9	13.8	15.9	18.0
		Btu/h	31,500	40,600	47,000	54,200	61,400
Power Input (H / M / L)		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 × 270 × 700	1,250 × 270 × 700	1,250 × 270 × 700	1,250 × 360 × 700	1,250 × 360 × 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	350 x 1	350 x 1	350 x 1	400 x 1	400 x 1
	Air Flow Rate (H / M / L) (Factory Set)	m^3/min	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
	External Static Pressure	mmAq (Pa)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)
	Drive		Direct	Direct	Direct	Direct	Direct
	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)	25 (1)	25 (1)	25 (1)	25 (1)	25 (1)
Net Weight		kg (lbs)	36.0 (79)	36.0 (79)	37.2 (82)	42.2 (93)	42.2 (93)
Sound Pressure Levels (H / M / L)		dB(A)	38 / 36 / 35	40 / 38 / 36	42 / 41 / 39	41 / 38 / 37	42 / 41 / 40
Sound Power Levels (H / M / L)		dB(A)	59 / 57 / 55	60 / 59 / 57	62 / 61 / 60	63 / 60 / 59	65 / 64 / 62
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm^2	1.0 ~ 1.5 x 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
UVnano Filter Box			PBM13M2UA0	PBM13M2UA0	PBM13M2UA0	PBM13M3UA0	PBM13M3UA0

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	PRGK024A0 (~5.6kW)				
Multi-tenant Power Module	PINPMB001				
Robot Cleaner	-				
Pre Filter (Washable)	○				
Ion Generator	-				
CO_2 Sensor	-				
Ventilation Kit	-				
IR Receiver	PWLRVN000				
Zone Controller	ABZCA				
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)				
External Input (1 point)	○				
Wi-Fi	PWFMDD200				

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

HIGH STATIC

ARNU76GB8A4 / ARNU96GB8A4



Model		Unit	ARNU76GB8A4	ARNU96GB8A4
Cooling Capacity		kW	22.4	28.0
		Btu/h	76,400	95,900
Heating Capacity		kW	25.2	31.5
		Btu/h	86,000	107,500
Power Input (H / M / L)		W	765 / 500 / 500	800 / 750 / 750
Dimensions (W x H x D)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	375 x 2	375 x 2
	Air Flow Rate (H / M / L) (Factory Set)	m³/min	60.0 / 50.0 / 50.0	72.0 / 64.0 / 64.0
	External Static Pressure	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	mmAq (Pa)	15 (147)	15 (147)
	Drive		Direct	Direct
	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)	25 (1)	25 (1)
Net Weight		kg (lbs)	87 (192)	87 (192)
Sound Pressure Levels (H / M / L)		dB(A)	45 / 41 / 40	47 / 42 / 41
Sound Power Levels (H / M / L)		dB(A)	67 / 62 / 60	68 / 64 / 62
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	1.0 ~ 1.5 x 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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	PRGK024A0 (~5.6kW)	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	PWLRVN000	
Zone Controller	ABZCA	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200	

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

LOW STATIC

ARNU05GL1G4 / ARNU07GL1G4 / ARNU09GL1G4



Model		Unit	ARNU05GL1G4	ARNU07GL1G4	ARNU09GL1G4
Cooling Capacity		kW	1.7	2.2	2.8
		Btu/h	5,800	7,500	9,600
Heating Capacity		kW	1.9	2.5	3.2
		Btu/h	6,500	8,500	10,900
Power Input (H / M / L)		W	29 / 26 / 24	31 / 28 / 24	39 / 29 / 24
Dimensions (W x H x D)	Body	mm	700 x 190 x 700	700 x 190 x 700	700 x 190 x 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 1	19 x 1	19 x 1
	Air Flow Rate (H / M / L) (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	mmAq (Pa)	2.54 (25)	2.54 (25)	2.54 (25)
	Drive		Direct	Direct	Direct
	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)	25.4 (1)	25.4 (1)	25.4 (1)
Net Weight		kg (lbs)	17.5 (38.6)	17.5 (38.6)	17.5 (38.6)
Sound Pressure Levels (H / M / L)		dB(A)	25 / 24 / 22	26 / 24 / 22	28 / 25 / 22
Sound Power Levels (H / M / L)		dB(A)	48 / 46 / 45	50 / 47 / 45	53 / 49 / 45
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable / Anti-fungus)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	PWLRVN000		
Zone Controller	ABZCA		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact) 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
		Btu/h	12,300	15,400	19,100
Heating Capacity		kW	4.0	5.0	6.3
		Btu/h	13,600	17,100	21,500
Power Input (H / M / L)		W	41 / 34 / 29	56 / 41 / 34	71 / 56 / 41
Dimensions (W x H x D)	Body	mm	900 x 190 x 700	900 x 190 x 700	900 x 190 x 700
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1
	Air Flow Rate (H / M / L) (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	mmAq (Pa)	2.54 (25)	2.54 (25)	2.54 (25)
	Drive		Direct	Direct	Direct
	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)	25.4 (1)	25.4 (1)	25.4 (1)
Net Weight		kg (lbs)	23 (50.7)	23 (50.7)	23 (50.7)
Sound Pressure Levels (H / M / L)		dB(A)	30 / 27 / 25	33 / 30 / 28	35 / 32 / 29
Sound Power Levels (H / M / L)		dB(A)	50 / 47 / 46	54 / 51 / 47	56 / 54 / 51
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable / Anti-fungus)		○	
Ion Generator		-	
CO_2 Sensor		-	
Ventilation Kit		-	
IR Receiver		PWLRVN000	
Zone Controller		ABZCA	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact) PDRYCB320 (Universal input) PDRYCB400 (2 points input) PDRYCB500 (Modbus)	
External Input (1 point)		○	
Wi-Fi		PWFMDD200	

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

ARNU21GL3G4 / ARNU24GL3G4



Model		Unit	ARNU21GL3G4	ARNU24GL3G4
Cooling Capacity		kW	6.2	7.1
		Btu/h	21,000	24,000
Heating Capacity		kW	7.0	8.0
		Btu/h	23,900	27,300
Power Input (H / M / L)		W	72 / 53 / 48	103 / 63 / 48
Dimensions (W x H x D)	Body	mm	1,100 × 190 × 700	1,100 × 190 × 700
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	19 x 2	19 x 2
	Air Flow Rate (H / M / L) (Factory Set)	m³/min	17.5 / 14.0 / 12.0	20.0 / 16.0 / 12.0
	External Static Pressure	mmAq (Pa)	2.54 (25)	2.54 (25)
	Drive		Direct	Direct
	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)	25.4 (1)	25.4 (1)
Net Weight		kg (lbs)	27 (59.5)	27 (59.5)
Sound Pressure Levels (H / M / L)		dB(A)	35 / 29 / 28	36 / 33 / 28
Sound Power Levels (H / M / L)		dB(A)	59 / 55 / 54	63 / 59 / 55
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	-	
Independent Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable / Anti-fungus)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	PWLRVN000	
Zone Controller	ABZCA	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact) 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

UVnano™ FILTER BOX

UVnano Filter Box can effectively create a safe indoor environment by trapping and removing various harmful substances such as fine dust, bacteria and viruses in the form of droplets.



UVnano Filter Box Kit (Included ePM1 Filter)
PBM13M3UA0 / PBM13M2UA0 / PBM13M1UA0

ePM1 Filter
FBM13M3UA0 / FBM13M2UA0 / FBM13M1UA0

PLATFORM		UNIT	M3 PLATFORM	M2 PLATFORM	M1 PLATFORM
MODEL NAME			PBM13M3UA0	PBM13M2UA0	PBM13M1UA0
Duct UVnano Filter Box		-			
Filter Box	Net Size (W x H x D)	mm	1,250 x 360 x 280	1,250 x 270 x 280	900 x 270 x 280
	Shipping Size (W x H x D)	mm	1,396 x 418 x 358	1,396 x 418 x 358	1,044 x 328 x 358
	Net Weight	kg	12.7	11.6	9.1
Pre-Filter	Mesh	-	34 x 39	34 x 39	34 x 39
	Color	-	Black	Black	Black
UVnano	UVC LED Model	-	LTPL-G35UV275TWA	LTPL-G35UV275TWA	LTPL-G35UV275TWA
	UVC LED Quantity	EA	8	8	8
Filter (1)	Size (W x H x D)	mm	600 x 341 x 50.8	600 x 251 x 50.8	600 x 251 x 50.8
	Quantity	EA	2	2	1
	Grade	-	*ePM_1 65%	ePM_1 65%	ePM_1 65%
Filter (2)	Size (W x H x D)	mm	-	-	250 x 251 x 50.8
	Quantity	EA	-	-	1
	Grade	-	-	-	ePM_1 65%

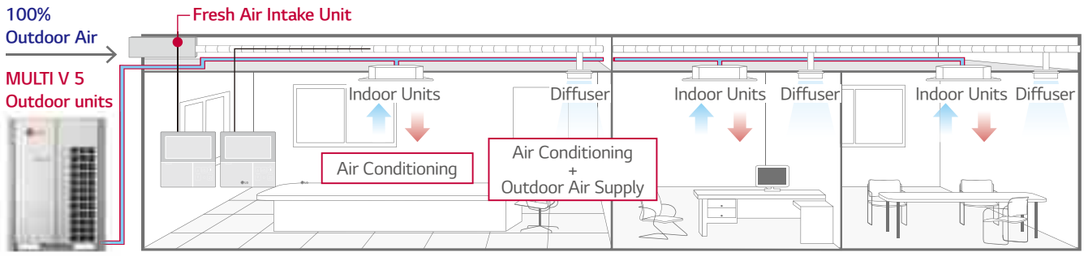
* Grade : ISO 16890

MEMO

FRESH AIR INTAKE

Fresh Outdoor Air Supply

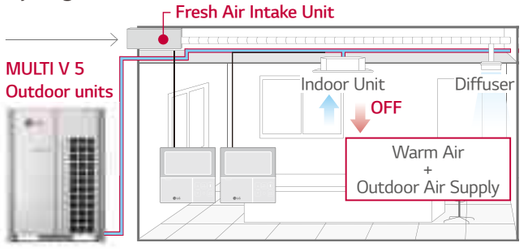
The LG Fresh Air Intake Unit (FAU) is the alternative solution for ventilation, which supplies the fresh outdoor air indoors as well as being able to cool and heat air inside simultaneously. It means the indoor space can have positive air pressure consistently, which can block cold, hot or contaminated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



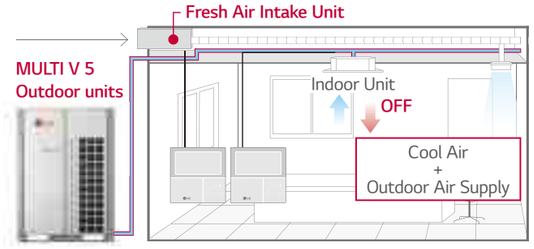
Economic Operation

Using the cooling and heating can save costs by blowing the natural outdoor air inside when the season change.

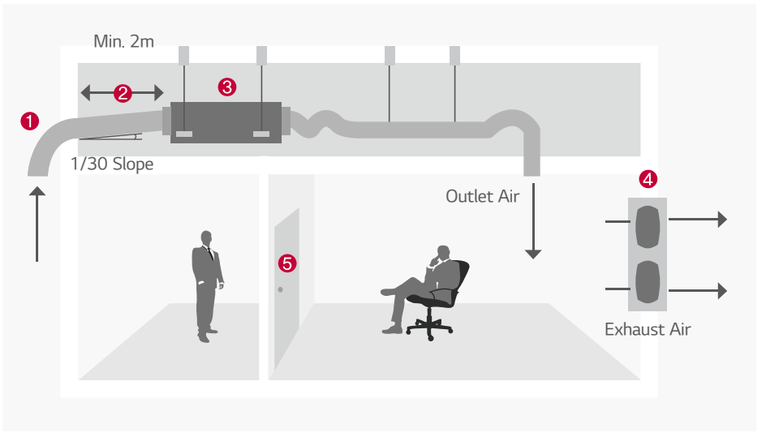
Spring Season



Autumn Season



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
		Btu/h	76,400	95,900
Heating Capacity		kW	21.4	26.7
		Btu/h	73,080	91,360
Power Input (H / M / L)		W	230 / 200 / 200	360 / 230 / 230
Dimensions (W x H x D)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	375 x 1	375 x 1
	Air Flow Rate (H/M/L) High static Mode-Factory Set	m³/min	23.7 / 13.2 / 13.2	35.7 / 23.7 / 23.7
	External Static Pressure	mmAq (Pa)	22	22
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pre-Filter			Long Life Filter	Long Life Filter
Pipe Connection	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	25	25
Net Weight		kg (lbs)	73 (161)	73 (161)
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 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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℃ ~ 43℃, Heating : -5℃ ~ 43℃) 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 capcity of fresh air intak 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	-	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	PWLRVN000	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200	

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

ROUND CASSETTE



Features & Benefits

- Premium design to match your interior space
- Pleasant airflow for optimal comfort
- Air purification
- Improved and simple installation

Key Applications

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

Premium Design to Complete the Space

Subtly revealed elegance. Sense that stands out in any interior. A body design that naturally fits your space, adding class to your style. Panels styled with clean whites and modern blacks, perfecting your interior.



Comfort

Perfect Round Flow

Perfect round flow without blind spots. (This product can only be installed on an open ceiling)



Other Brand



LG Round Cassette



Visible, Intuitive Airflow

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

Other Brand



LG Round Cassette



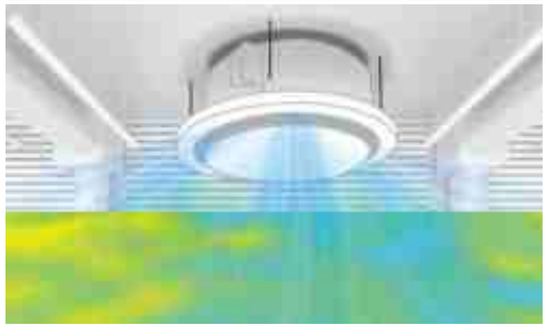
ROUND CASSETTE

Comfort

30% Faster in Cooling

With greater airflow, it gets cooler 30% faster, spreading cool air evenly without missing a spot.

Other Brand



18 minutes to reach the set temperature

LG Round Cassette

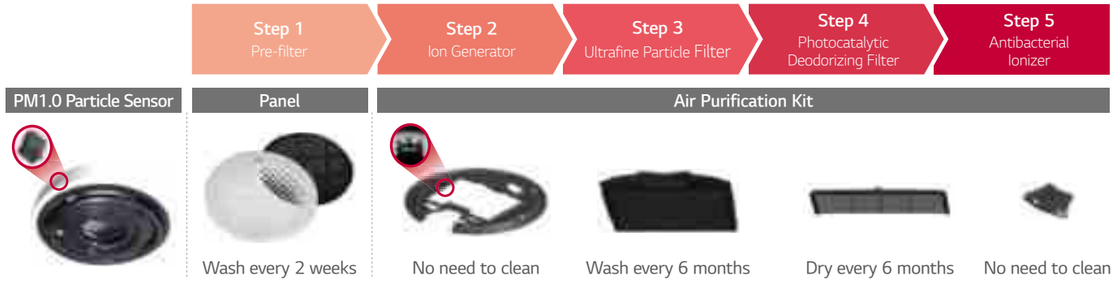


12 minutes to reach the set temperature

Clean Air

Powerful and Convenient 5-step Air Purification

With the semi-permanent 5-step air filter, you don't have to worry about maintenance cost anymore.

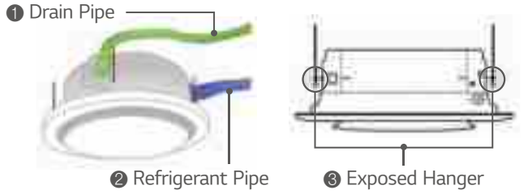


Installation

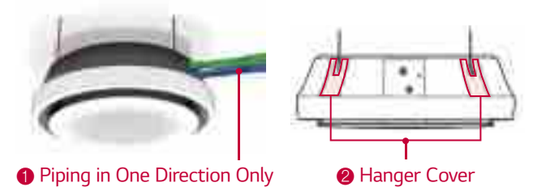
Minimal exposure of installations

Pipes are brought together in one place to minimize exposure. Hanger covers hide installations to add a clean, sophisticated look.
(This product can only be installed on an open ceiling)

Other Brand



LG Round Cassette



ROUND CASSETTE

ARNU24GTYA4 / ARNU36GTYA4 / ARNU48GTYA4



Model		Unit	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Cooling Capacity		kW	7.1	10.6	14.1
		Btu/h	24,200	36,200	48,100
Heating Capacity		kW	8.0	11.9	15.9
		Btu/h	27,300	40,600	54,200
Power Input	H / M / L	W	44 / 36 / 29	63 / 47 / 36	98 / 70 / 44
Fan	Type	-	3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Air Flow Rate (H / M / L)	m^3/min	22 / 21 / 19	27 / 24 / 21	32 / 28 / 23
Fan Motor	Type	-	Brushless DC	Brushless DC	Brushless DC
	Drive	-	Direct	Direct	Direct
	Output	W x No.	157 x 1	157 x 1	157 x 1
Dimensions	Net (W x H x D)	mm	1,050 x 330 x 1,050	1,050 x 330 x 1,050	1,050 x 330 x 1,050
Weight	Net	kg	30.0	30.0	30.0
Exterior	Color	-	White	White	White
	RAL Code		RAL 9003	RAL 9003	RAL 9003
Pre-Filter	Type	-	Long Life	Long Life	Long Life
Air Purification Kit		-	PTAHYP0	PTAHYP0	PTAHYP0
Piping Connection	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	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)
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
Connecting Cable	Communication Cable (VCTF-SB)	mm^2 × cores	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Power Supply	-	Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
	Running Current by Voltage	A	0.47 - 0.45 - 0.43	0.67 - 0.64 - 0.61	0.99 - 0.95 - 0.91

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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		-	
Multi-tenant Power Module		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO_2 Sensor		-	
Ventilation Kit		-	
IR Receiver		-	
Zone Controller		-	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)		○	
Wi-Fi		PWFMDD200	
Human Detection Sensor		-	
Floor Temperature Sensor		-	
Air Purification Kit		PTAHMP0	
Elevation Grille		-	

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

SMART DUAL VANE CASSETTE



Features & Benefits

- 6 Different Discharge Angles can be Programmed via the Remote Control.
- Easily Detachable Full Surface Cover Helps Clean the Air Conditioner Flawlessly.
- Drain Pipe can be Easily Hidden from Sight.

Key Applications

- Retail
- Restaurant
- Office
- Hotel
- Dormitory

New Design

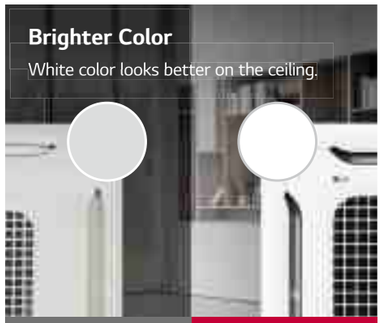
Dual Vane Designs New Air Flow

Air flow certified by the NET(New Excellent Technology) provides comfortable and convenient feeling.



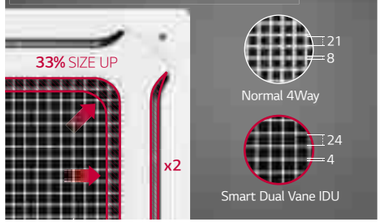
Brighter Color

White color looks better on the ceiling.



Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.



High Air flow & Low noise with Full 3D Fan

Full 3D fan decreases air resistance, makes High Airflow and Low Sound Level.

Normal 3D FAN	
Sound (Turbo)	48 dB(A)
Sound (Low)	42 dB(A)
Power Input	102 W

Full 3D FAN	
Sound (Turbo)	45 dB(A)
Sound (Low)	39 dB(A)
Power Input	89 W

High Efficient Heat Exchanger (HEX)

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

Normal Ø7 HEX	
Heat Transfer Area	3.32m² (100%)
Tube Column	12 Column
Fin per Inch	19
Efficiency	100%

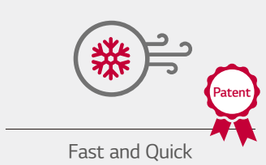
High Efficient Ø5 HEX	
Heat Transfer Area	3.45m² (104%)
Tube Column	18 Column
Fin per Inch	21
Efficiency	110%

SMART DUAL VANE CASSETTE

Various Airflow

Dual Vane leads the new types wind

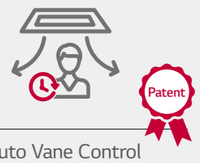
Innovative dual vane designs each of the best airflow over various spaces.



Fast and Quick
Power Cooling



Fresh and Natural
Up / Down swing



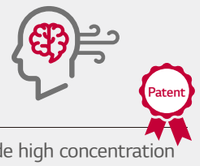
Auto Vane Control
Smart mode



Indirect cooling & Heating
Indirect wind



No need extra high ceiling kits
Direct wind



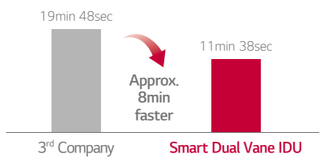
Provide high concentration
Refresh mode

Power Cooling

Powerful airflow is always faster cooling and heating (4 Vane Control Logic).



Reached time to set temperature



<Beginning Temperature 31℃, Approaching temperature 26℃>

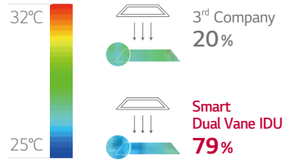
※ Smart Dual Vane Indoor Unit 14.5kW
※ Data Based on actual test of LG Test Chamber, single product test result
(start temp. : 33℃, Setting Temp. : 26 ℃, 3rd Company : Cooling Autoswing, LG : Natural Dual Swing Mode)

Up / Down swing

Up / Down swing provides fresh and uniform airflow (Dual Swing).



Cooling Temperature Distribution rate



<3rd company Auto swing, LG Dual auto swing mode>

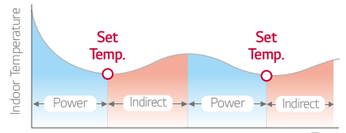
※ Smart Dual Vane Indoor Unit 14.5kW
※ Data Based on actual test of LG Test Chamber, single product test result
(start temp. : 33℃, Setting Temp. : 26 ℃, 3rd Company : Cooling Autoswing, LG : Natural Dual Swing Mode)

Smart mode

IDU automatically controls power and indirect wind to keep feeling good. (Power → Reached Setting Temp. → Indirect Airguide → Unreached Setting Temp. → Power)



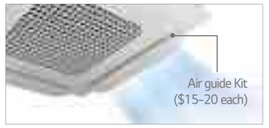
Change of airflow by Temperature



Indirect wind

Dual Vane designs indirect wind without separate airguide Kit.





Normal 4way with Air guide



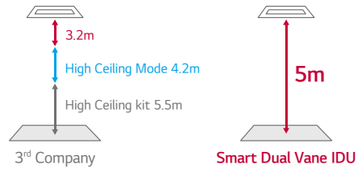
Smart Dual Vane IDU

Direct wind

No need high ceiling kit, and airflow is controlled to reach the floor by angles of vane.
(3rd Company : Single Vane 70°, LG High Ceiling : Dual Vane 85°)



Comparison of flow height



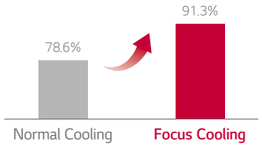
※ 3rd Company : High Ceiling Installation Kit Manual, LG : Direct wind

Refresh mode

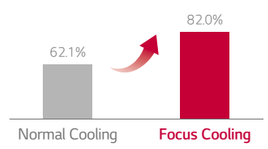
IDU controls temperature and air flow to Induce brainwave change, so that it provides high concentration.



Concentration Performance



Vocabulary Test Performance



※ Data based on the results of EEG measurements through the sleep polysomnograpy in Seoul Sleep Environment Research.

SMART DUAL VANE CASSETTE

Various Airflow

Human detecting Direct / Indirect airflow

Human sensing function finds users to provide their favorite airflow.

Comfort Indirect

Prevent airflow to heading to user by sensing.



Follow user Direct

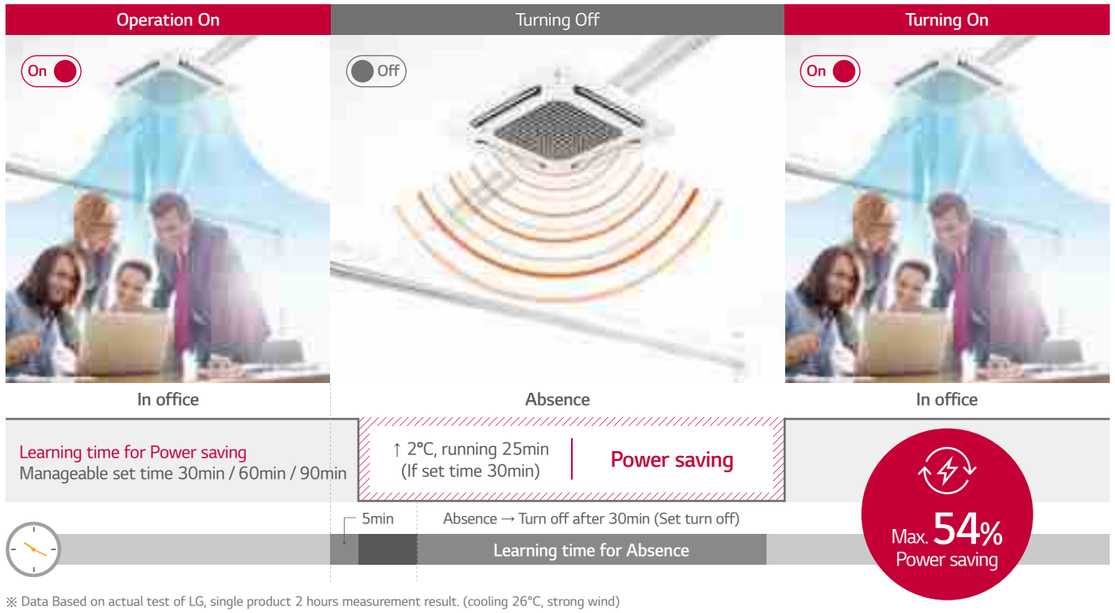
Prefer air flow to heading to user by sensing.



※ Available only for products with Human Detecting sensor.

Human detecting On / Off Learning operation system

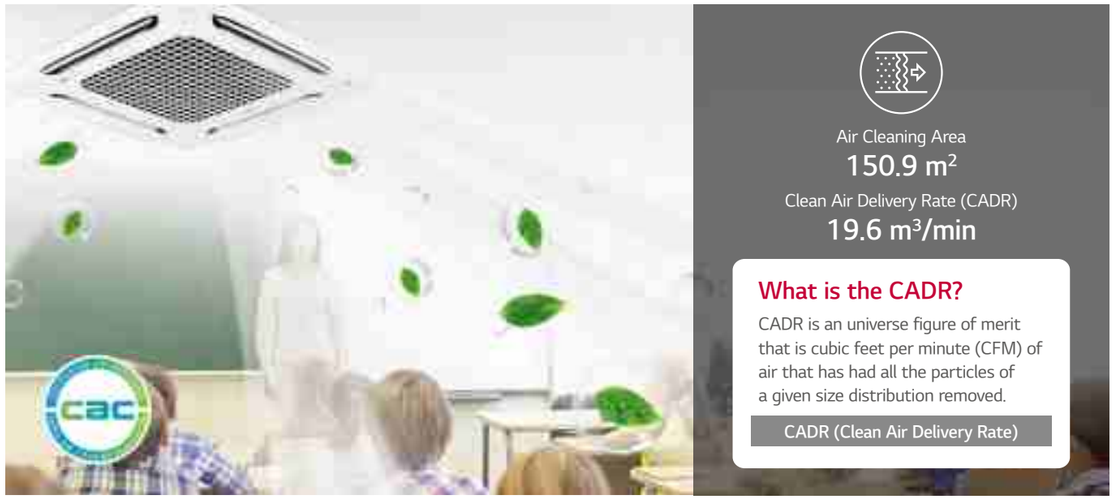
IDU senses people to switch On / Off for Max. 54% power saving.



※ Data Based on actual test of LG, single product 2 hours measurement result. (cooling 26°C, strong wind)

Everyday High performance of Air cleaning

Air cleaning function makes clean spaces for everyday.



※ Korean Air Cleaning Association Certification Standards (Jun, 2019)

Convenient and Powerful 5 Steps Air cleaning

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



SMART DUAL VANE CASSETTE

ARNU24GTBB4 / ARNU28GTBB4 / ARNU30GTBB4



Model		Unit	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Cooling Capacity		kW	7.1	8.2	9.0
		Btu/h	24,200	28,000	30,700
Heating Capacity		kW	8.0	9.2	10.0
		Btu/h	27,300	31,500	34,100
Power Input	H / M / L	W	32 / 27 / 20	37 / 30 / 22	48 / 36 / 25
Running Current	H / M / L	A	0.31 / 0.26 / 0.21	0.34 / 0.28 / 0.22	0.43 / 0.34 / 0.25
Fan	Type		3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Air Flow Rate (H/M/L)	㎥/min	18 / 17 / 15	19 / 17 / 15	21 / 19 / 16
Fan Motor	Type	-	Brushless DC	Brushless DC	Brushless DC
	Drive	-	Direct	Direct	Direct
	Output	W	51	51	51
		No.	1	1	1
Dimensions	Net (W x H x D)	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Weight	Net	kg	21.0	21.0	21.0
Pre-Filter	Type	-	Long Life	Long Life	Long Life
Piping Connection	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	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)
Sound Pressure Level (H / M / L)		dB(A)	39.0 / 37.0 / 35.0	40.0 / 38.0 / 35.0	43.0 / 40.0 / 36.0
Sound Power Level (H / M / L)		dB(A)	46.0 / 44.0 / 42.0	50.0 / 46.0 / 43.0	53.0 / 50.0 / 45.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2	1.0 ~ 1.5 x 2
Power Supply	#1	Ø, V, Hz	1, 220 ~ 230 ~ 240, 50	1, 220 ~ 230 ~ 240, 50	1, 220 ~ 230 ~ 240, 50
Decoration Panel (Accessory)	Model Name	-	PT-AAGW0 / PT-AFGW0	PT-AAGW0 / PT-AFGW0	PT-AAGW0 / PT-AFGW0
	Net Dimension	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5
	Exterior Color	-	Noble White	Noble White	Noble White

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

Accessories

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

ARNU36GTAB4 / ARNU42GTAB4 / ARNU48GTAB4



Model		Unit	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Cooling Capacity		kW	10.6	12.3	14.1
		Btu/h	36,200	42,000	48,100
Heating Capacity		kW	11.9	13.8	15.9
		Btu/h	40,600	47,000	54,200
Power Input	H / M / L	W	69 / 49 / 37	97 / 69 / 49	110 / 76 / 61
Running Current	H / M / L	A	0.62 / 0.46 / 0.36	0.85 / 0.62 / 0.46	0.95 / 0.69 / 0.56
Fan	Type		3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Air Flow Rate (H/M/L)	㎥/min	29 / 26 / 22	33 / 29 / 26	34 / 30 / 28
Fan Motor	Type	-	Brushless DC	Brushless DC	Brushless DC
	Drive	-	Direct	Direct	Direct
	Output	W	135	135	135
		No.	1	1	1
Dimensions	Net (W x H x D)	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Weight	Net	kg	26.0	26.0	26.0
Pre-Filter	Type	-	Long Life	Long Life	Long Life
Piping Connection	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	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)
Sound Pressure Level (H / M / L)		dB(A)	43.0 / 40.0 / 37.0	47.0 / 43.0 / 40.0	48.0 / 44.0 / 42.0
Sound Power Level (H / M / L)		dB(A)	54.0 / 51.0 / 47.0	56.0 / 53.0 / 49.0	58.0 / 54.0 / 53.0
Connecting Cable	Communication Cable (VCTF-SB)	mm² × cores	1.0~1.5 x 2	1.0~1.5 x 2	1.0~1.5 x 2
Power Supply	#1	Ø, V, Hz	1, 220 ~ 230 ~ 240, 50	1, 220 ~ 230 ~ 240, 50	1, 220 ~ 230 ~ 240, 50
Decoration Panel (Accessory)	Model Name	-	PT-AAGW0 / PT-AFGW0	PT-AAGW0 / PT-AFGW0	PT-AAGW0 / PT-AFGW0
	Net Dimension	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5
	Exterior Color	-	Noble White	Noble White	Noble White

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	-		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)	○		
Wi-Fi	PWFMDD200		
Human Detection Sensor	PTVSAA0		
Floor Temperature Sensor	○ (only with PT-AFGW0)		
Air Purification Kit	PTAHMP0 (PT-AFGW0 panel required)		
Elevation Grille	-		

CEILING MOUNTED CASSETTE



Features & Benefits

- Human detection control allowing energy savings through saving operation & comfort through wind direction operation
- New multi-functional 4 Way cassette panel for large sizes with aesthetic shape
- The independent vane operation feature allows user to control vanes by desired and perceptible comfort flow

Key Applications

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

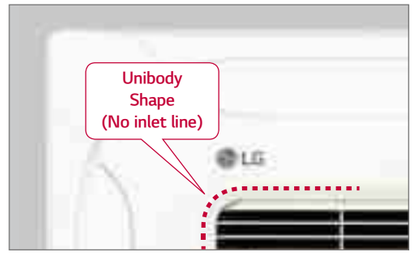
Cassette		4 Way (570x570)	2 Way	1 Way
Smart	Wi-Fi	-	○	○
Health	Auto Cleaning	-	○	-
Comfort	Drain Pump	○	○	○
	Sleep Mode	○	○	○
	Timer (On / Off)	○	○	○
	Timer (Weekly)	○	○	○
	Two Thermistor Control	○	○	○
	Group Control	○	○	○

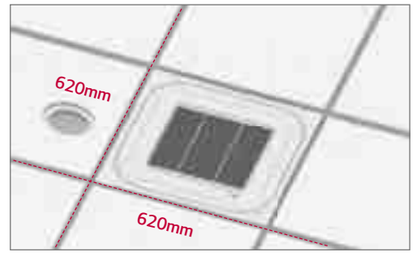
※ ○ : Applied, - : Not applied

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.





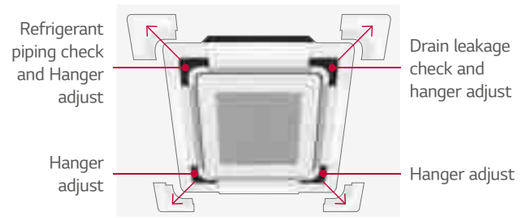


※ The shape of the panel in the image may differ from the actual shape.

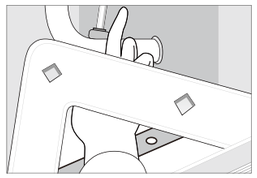
Convenient Panel Installation

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

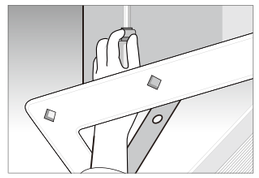
Detachable Corner Design



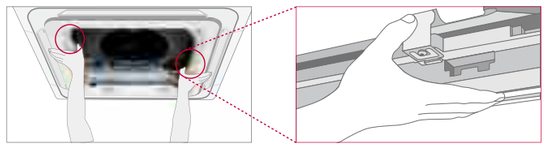
Drain leakage check



Hanger adjust

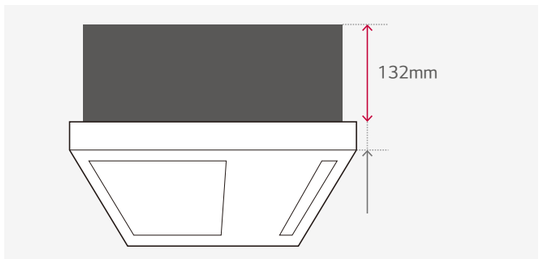


It is easy to install the panel to the body, using the button type panel design.



Minimized Height

LG 1 Way cassette isn't affected by installation environment. LG 1 Way cassette height is 132mm and duct is 190mm, so it can provide ideal solution for installation in limited space.



Size Comparison

(Unit : mm)

	A company	B company	LG
1 Way cassette	215	230	132

CEILING MOUNTED CASSETTE

Independent Vane Control

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

Indirect air flow

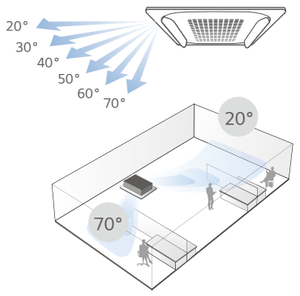


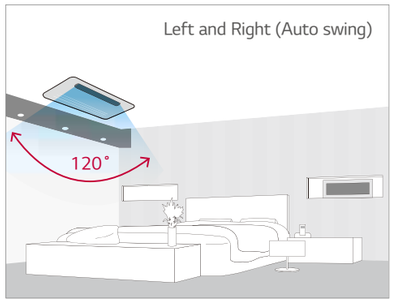
Direct air flow

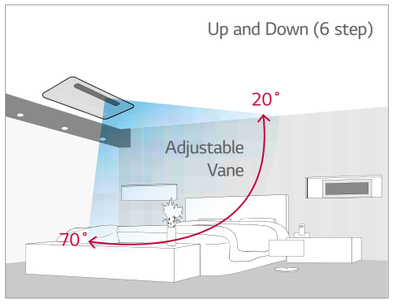


6-Step Vane Control

The Independent Vane Operation feature uses separate motors, making it possible to control all four vanes independently. There are 6 different steps to control air flow direction. Also 1 way cassette has a vane able to execute auto swing between left and right as 120 degree.

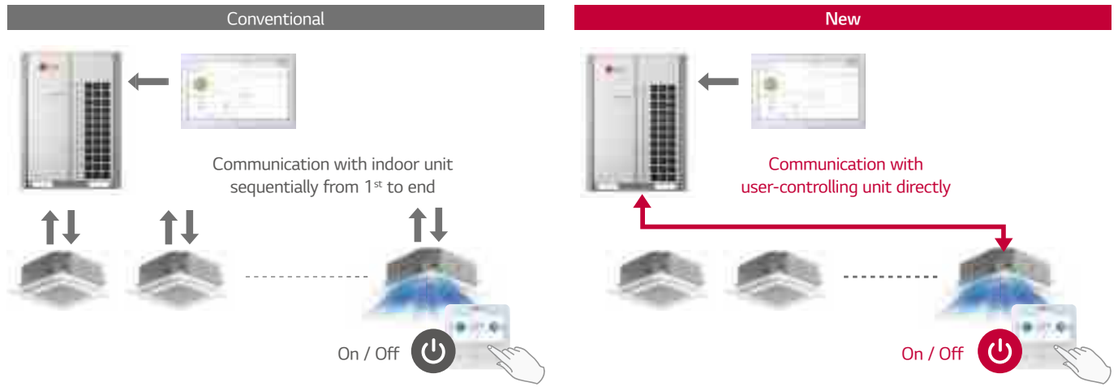






Quick Control

4th Generation indoor unit offers rapid heating and cooling about 10times faster than conventional through communication mode change and improved communication speed.



Group Control

In case of group control, user can control much more function than conventional.

Conventional



Standard Operation



Cooling / Heating Dehumidification
Fan only operating Setting temp.

Sub function
isn't operating

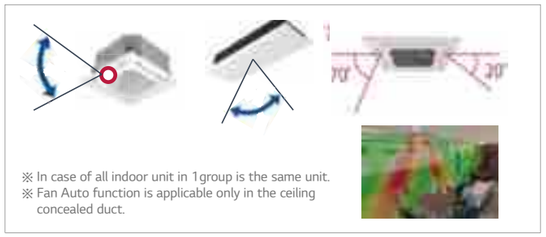
New



Standard Operation
+
In case of group control



Cooling / Heating Dehumidification
Fan only operating Setting temp.



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

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
		Btu/h	5,500	7,500	9,600	12,300
Heating Capacity		kW	1.8	2.5	3.2	4.0
		Btu/h	6,100	8,500	10,900	13,600
Power Input	H / M / L	W	13 / 12 / 11	13 / 12 / 11	14 / 13 / 12	17 / 15 / 13
Dimensions (W x H x D)	Body	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output	W x No.	43 x 1	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m^3/min	7.5 / 7.0 / 6.6	7.5 / 7.0 / 6.6	8.0 / 7.5 / 7.1	8.7 / 8.0 / 7.0
	Drive		Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC
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)
Net Weight	Body	kg (lbs)	12.6 (27.8)	12.6 (27.8)	13.7 (30.2)	13.7 (30.2)
Sound Pressure Levels (H / M / L)		dB(A)	29 / 27 / 26	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27
Sound Power Levels (H / M / L)		dB(A)	47 / 46 / 45	47 / 46 / 45	48 / 46 / 45	51 / 48 / 45
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm^2	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-QAGW0	PT-QAGW0	PT-QAGW0	PT-QAGW0
	Net Dimension	mm	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620
	Net Weight	kg	2.9	2.9	2.9	2.9
	Exterior Color	-	Morning Fog	Morning Fog	Morning Fog	Morning Fog

Note :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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)			
Multi-tenant Power Module	PINPMB001			
Robot Cleaner	-			
Pre Filter (Washable)	○			
Ion Generator	-			
CO_2 Sensor	-			
Ventilation Kit	PTVK430			
IR Receiver	-			
Zone Controller	-			
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)			
External Input (1 point)	○			
Wi-Fi	PWFMDD200			

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

ARNU15GTQB4 / ARNU18GTQB4 / ARNU21GTQB4



Model		Unit	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Cooling Capacity		kW	4.5	5.6	6.0
		Btu/h	15,400	19,100	20,500
Heating Capacity		kW	5.0	6.3	6.8
		Btu/h	17,100	21,500	23,200
Power Input	H / M / L	W	24 / 21 / 18	25 / 22 / 19	28 / 23 / 20
Dimensions (W x H x D)	Body	mm	570 x 256 x 570	570 x 256 x 570	570 x 256 x 570
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output	W x No.	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m^3/min	11.0 / 10.0 / 9.3	11.2 / 11.0 / 10.0	12.0 / 11.1 / 9.4
	Drive		Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC
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)
Net Weight	Body	kg (lbs)	15.0 (33.1)	15.0 (33.1)	15.0 (33.0)
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 32	37 / 35 / 34	40 / 38 / 34
Sound Power Levels (H / M / L)		dB(A)	52 / 50 / 46	52 / 50 / 46	54 / 52 / 46
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm^2	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name	-	PT-QAGW0	PT-QAGW0	PT-QAGW0
	Net Dimension	mm	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620
	Net Weight	kg	2.9	2.9	2.9
	Exterior Color	-	Morning Fog	Morning Fog	Morning Fog

Note :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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)		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	PTVK430		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)	○		
Wi-Fi	PWFMDD200		

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

2 Way CASSETTE

ARNU09GTSC4 / ARNU12GTSC4
ARNU18GTSC4 / ARNU24GTSC4



Model		Unit	ARNU09GTSC4	ARNU12GTSC4	ARNU18GTSC4	ARNU24GTSC4
Cooling Capacity		kW	2.8	3.6	5.6	7.1
		Btu/h	9,600	12,300	19,100	24,200
Heating Capacity		kW	3.2	4.0	6.3	8.0
		Btu/h	10,900	13,600	21,500	27,300
Power Input (H / M / L)		W	16 / 14 / 11	18 / 14 / 11	19 / 16 / 14	31 / 22 / 14
Dimensions (W x H x D)	Net	mm	830 × 225 × 600	830 × 225 × 600	830 × 225 × 600	830 × 225 × 600
Weight	Net	kg (lbs)	18.1 (39.9)	18.1 (39.9)	18.1 (39.9)	18.1 (39.9)
Heat Exchanger	Rows x Columns x FPI		2 × 9 × 17	2 × 9 × 17	2 × 9 × 17	2 × 9 × 17
	Face Area	m^2	0.32	0.32	0.32	0.32
Fan Type			Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Air Flow Rate	H / M / L	m^3/min	10.8 / 9.8 / 9.1	11.1 / 10.3 / 9.1	11.8 / 10.8 / 9.8	14.5 / 12.4 / 10.3
Fan	Type		BLDC	BLDC	BLDC	BLDC
	Drive		Direct	Direct	Direct	Direct
	Output	W × No.	37 × 1	37 × 1	37 × 1	37 × 1
	Full Load Ampere	A	0.67	0.67	0.67	0.67
Pipe Connections	Liquid Side	mm (inch)	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)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Sound Pressure Levels (H / M / L)		dB(A)	33 / 31 / 29	34 / 32 / 29	35 / 33 / 31	40 / 37 / 33
Sound Power Levels (H / M / L)		dB(A)	44 / 41 / 40	44 / 42 / 40	45 / 44 / 41	51 / 48 / 42
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		mm^2	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Decoration Panel (Accessory)	Model Name	-	PT-USC	PT-USC	PT-USC	PT-USC
	Net Dimension	mm	1,100 x 28 x 690	1,100 x 28 x 690	1,100 x 28 x 690	1,100 x 28 x 690
	Net Weight	kg	4.7	4.7	4.7	4.7
	Exterior Color	-	Morning Fog	Morning Fog	Morning Fog	Morning Fog

Note :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU09GTSC4	ARNU12GTSC4	ARNU18GTSC4	ARNU24GTSC4
Drain Pump	○			
Cassette Cover	-			
Refrigerant Leakage Detector	PRLDNVS0			
EEV Kit	PRGK024A0 (~5.6kW)			
Multi-tenant Power Module	PINPMB001			
Robot Cleaner	-			
Pre Filter (Washable)	○			
Ion Generator	-			
CO_2 Sensor	-			
Ventilation Kit	-			
IR Receiver	-			
Zone Controller	-			
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)			
External Input (1 point)	○			
Wi-Fi	PWFMDD200			

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

1 Way CASSETTE

ARNU07GTUB4 / ARNU09GTUB4 / ARNU12GTUB4
ARNU18GTTB4 / ARNU24GTTB4



Model		Unit	ARNU07GTUB4	ARNU09GTUB4	ARNU12GTUB4	ARNU18GTTB4	ARNU24GTTB4
Cooling Capacity		kW	2.2	2.8	3.6	5.6	7.1
		Btu/h	7,500	9,600	12,300	19,100	24,200
Heating Capacity		kW	2.5	3.2	4.0	6.3	7.1
		Btu/h	8,500	10,900	13,600	21,500	24,200
Power Input (H / M / L)		W	20 / 18 / 16	22 / 20 / 18	24 / 22 / 20	38 / 28 / 24	51 / 33 / 26
Dimensions (W x H x D)	Body	mm	860 x 132 x 450	860 x 132 x 450	860 x 132 x 450	1,180 x 132 x 450	1,180 x 132 x 450
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output	W	30	30	30	30	30
	Air Flow Rate (H / M / L)	m^3/min	8.2 / 7.3 / 6.4	9.2 / 8.6 / 8.2	10 / 9.2 / 8.2	13.3 / 12.1 / 10.9	14.6 / 13.3 / 11.5
	Drive		Direct	Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	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)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Net Weight	Body	kg (lbs)	12.2 (26.9)	12.2 (26.9)	12.2 (26.9)	15.3 (33.7)	15.3 (33.7)
Sound Pressure Levels (H / M / L)		dB(A)	32 / 29 / 25	35 / 34 / 32	38 / 35 / 32	40 / 37 / 35	43 / 40 / 36
Sound Power Levels (H / M / L)		dB(A)	47 / 44 / 41	51 / 49 / 47	52 / 51 / 47	55 / 51 / 47	58 / 53 / 49
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		-	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
Decoration Panel (Accessory)	Model Name	-	PT-UAHW0 / PT-UAHG0 / PT-UPHG0 (Premium)			PT-TAHW0 / PT-TAHG0 / PT-TPHG0 (Premium)	
	Net Dimension	mm	1,100 x 34 x 500 / 1,160 x 34 x 500 / 1,160 x 34 x500			1,420 x 34 x 500 / 1,480 x 34 x 500 / 1,480 x 34 x 500	
	Net Weight	kg	3.3 / 3.9 / 4.1			4.5 / 4.8 / 4.9	
	Exterior Color	-	Ivory White / White / White			Ivory White / White / White	
Air Purification Kit (Premium Panel Only)			PTAHTP0	PTAHTP0	PTAHTP0	PTAHTP0	PTAHTP0

Note :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU18GTTB4	ARNU24GTTB4
Drain Pump	○			○	
Cassette Cover	-			-	
Refrigerant Leakage Detector	PRLDNVS0			PRLDNVS0	
EEV Kit	PRGK024A0			-	
Multi-tenant Power Module	PINPMB001			PINPMB001	
Robot Cleaner	-			-	
Pre Filter (Washable)	○			○	
Ion Generator	-			-	
CO_2 Sensor	-			-	
Ventilation Kit	-			-	
IR Receiver	-			-	
Zone Controller	-			-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)			PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)	○			○	
Air Purification Kit	PTAHTP0			PTAHTP0	
Wi-Fi	PWFMDD200			PWFMDD200	

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

WALL MOUNTED



Features & Benefits

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

Key Applications

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

Wall Mounted		Artcool Mirror	Artcool Gallery	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

Energy Display

LG's Energy Display panel monitors the amount of energy levels used. Save on energy consumption while enjoying the cooling by checking your energy level on the pane.

※ Specifications may vary for each model.

Magic Display & Remote Control

With the push of a button on the remote control, indoor unit's LCD display shows the current and total energy use, thus making the users aware of reducing energy consumption.



Normal Mode
Current Setting Temp.



Electric Power
Displays Current Energy Use



Fan Speed

Display	Speed
F5	High
F4	Medium-High
F3	Medium
F2	Medium-Low
F1	Low

Sleep Mode



For example, setting 1hr

WALL MOUNTED

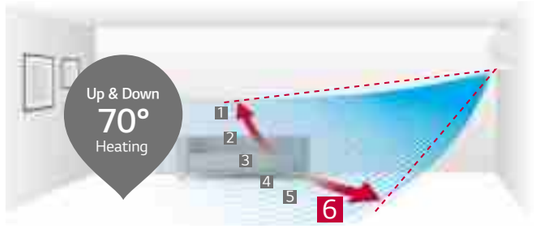
4 Way Swing

Cool air reaches out to the entire room regardless of where the air conditioner is installed.

※ Specifications may vary for each model.

6-Step Vane, Control up to 70°

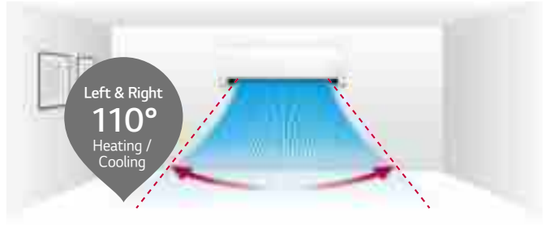
The vertical vane, which moves up and down, has 6 different settings including full swing.



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

Control up to 110°

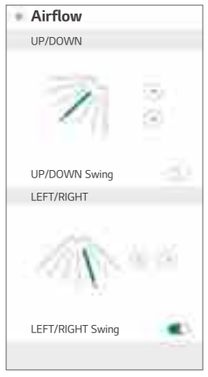
The louver can be adjusted by manual.



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

Easy and Simple Control

Airflow direction can be changed by 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.

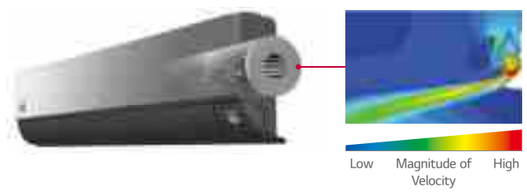
One Click "Jet Mode"

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 airflow is increased to 13.0 CMM.



Ionizer PLUS

The powerful Ionizer protects you from bad odors and harmful and contagious particles in the air with over 3 million ions to sterilize not only the air passing through the air conditioner, but also surrounding surfaces for 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+ reduces harmful and contagious microscopic particles by infusing the air passing through the air conditioner with over 3 million ions.



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

Sterilization Performance Evaluations

Sterilize Bacteria (E.coli colon bacillus) over 99.9% in 30 min.



※ Test Conditions : Space : 52m³ Chamber / Temperature & Humidity : Normal / Bacteria : Staphylococus Aureus

2.1 odor strength decrease in 60 minutes

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

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



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

WALL MOUNTED

Auto Cleaning

The interior of the air conditioner is maintained clean by drying off the heat exchanger, then sterilizing the interior once more.

Pain Point

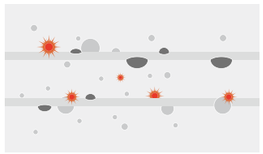
The main cause of odor within air conditioners is mold and bacteria growing on the heat exchanger. These germs can spread when the heat exchanger is wet.



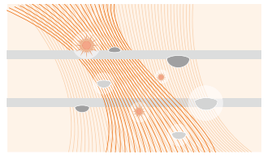
Cleans Filter with Regular Airflow

The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger, providing an enhancing environment.





By dehumidifying, the auto cleaning function eliminates substances that might be harmful.



The indoor environment remains odorless with the advanced deodorizing function.

By preventing polluting of the heat exchanger caused by various germs and bacteria, the performance and life span of the air conditioner do not wither away even after a period of 10 years.

Removes Harmful Particles

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





Bacteria Prevention



Odor Elimination

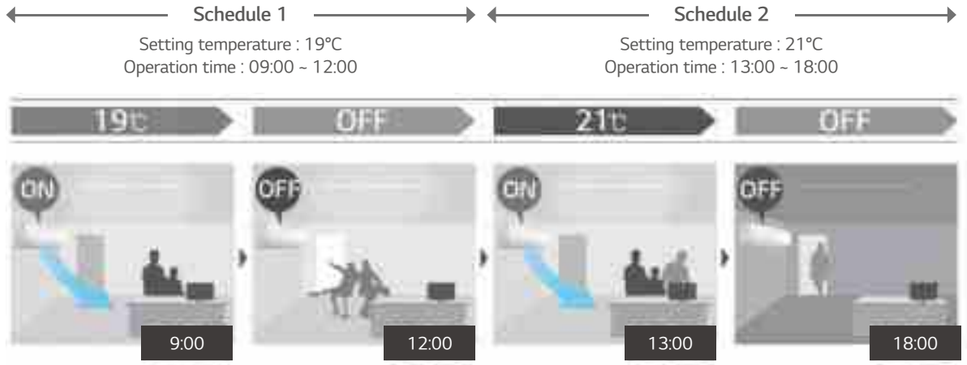


Mold Elimination

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 or after setting period.

※ 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

In case of group control, user can control much more function than conventional.



Cooling / Heating Dehumidification
Fan only operating Setting temp.



Standard Operation
+
In Case of Group Control

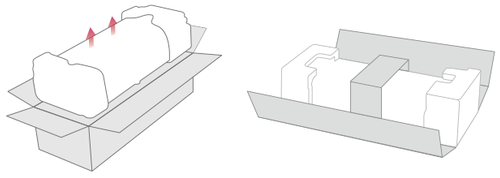
WALL MOUNTED

Quick & Easy Installation

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

※ Specifications may vary for each model.

One Simple Packing Box



Conventional LG

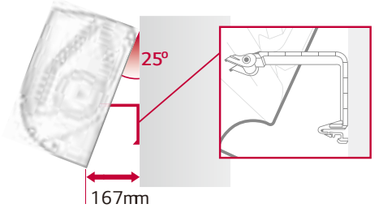
Installation Plate Improvement

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



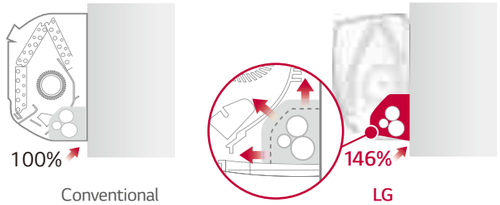
Installation Support Clip

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



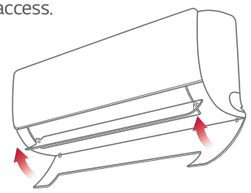
Wider Tubing Space

The space provided for tubing facilitates the whole installation process and hides the unorganized parts, making it appear clean and tidy.



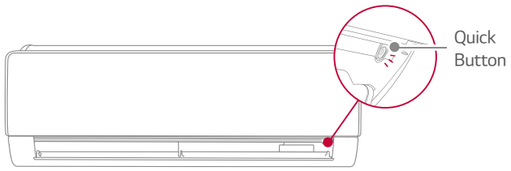
Detachable Bottom Cover

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



Quick button for running test

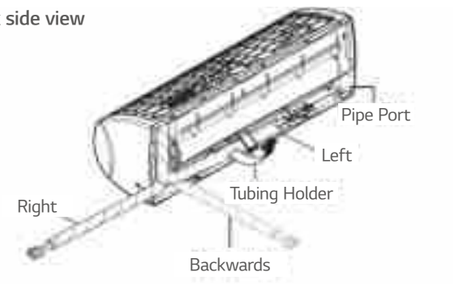
The test button is conveniently located and easy to find.



3 Way Flexible Installation

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

Back side view



Wi-Fi Control

Control your air conditioners via using the smart internet devices as Android or iOS based smartphones.
This advanced technology provides you the best convenience.

ThinQ

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

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



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



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



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

Multiple Devices | Multi-Control



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

Simple operation for various functions



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

Straight forward Management



Energy Monitoring | Smart Diagnosis | Filter Management | Reservation

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

ARTCOOL MIRROR

ARNU05GSJR4 / ARNU07GSJR4 / ARNU09GSJR4
ARNU12GSJR4 / ARNU15GSJR4



Model		Unit	ARNU05GSJR4	ARNU07GSJR4	ARNU09GSJR4	ARNU12GSJR4	ARNU15GSJR4
Cooling Capacity		kW	1.6	2.2	2.8	3.6	4.5
		Btu/h	5,500	7,500	9,600	12,300	15,400
Heating Capacity		kW	1.8	2.5	3.2	4.0	5.0
		Btu/h	6,100	8,500	10,900	13,600	17,100
Power Input (H / M / L)		W	11 / 10 / 9	12 / 11 / 9	13 / 12 / 9	15 / 13 / 11	23 / 18 / 11
Dimensions (W x H x D)	Body	mm	837 × 308 × 192	837 × 308 × 192	837 × 308 × 192	837 × 308 × 192	837 × 308 × 192
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output	W x No.	30 × 1	30 × 1	30 × 1	30 × 1	30 × 1
	Air Flow Rate (H / M / L)	m^3/min	6.8 / 6.5 / 5.9	7.2 / 6.8 / 5.9	7.8 / 7.2 / 5.9	8.5 / 7.8 / 6.8	10.5 / 9.5 / 6.8
	Drive		Direct	Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)
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 (ID)	mm (inch)	16 (5/8)	16 (5/8)	16 (5/8)	16 (5/8)	16 (5/8)
Weight	Body	kg (lbs)	9.2 (20.2)	9.2 (20.2)	9.2 (20.2)	9.2 (20.2)	9.2 (20.2)
Sound Pressure Levels (H / M / L)		dB(A)	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32
Sound Power Levels (H / M / L)		dB(A)	45 / 43 / 42	46 / 45 / 42	48 / 46 / 42	51 / 48 / 45	55 / 52 / 44
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm^2	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU05GSJR4	ARNU07GSJR4	ARNU09GSJR4	ARNU12GSJR4	ARNU15GSJR4
Drain Pump	-				
Cassette Cover	-				
Refrigerant Leakage Detector	PRLDNVS0				
EEV Kit	PRGK024A0				
Multi-tenant Power Module	PINPMB001				
Robot Cleaner	-				
Pre Filter (Washable)	○				
Ion Generator	○				
CO_2 Sensor	-				
Ventilation Kit	-				
IR Receiver	-				
Zone Controller	-				
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)				
External Input (1 point)	○				
Wi-Fi	○				

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

ARNU18GSKR4 / ARNU24GSKR4



Model		Unit	ARNU18GSKR4	ARNU24GSKR4
Cooling Capacity		kW	5.6	7.1
		Btu/h	19,100	24,200
Heating Capacity		kW	6.3	7.5
		Btu/h	21,500	25,600
Power Input (H / M / L)		W	32 / 26 / 16	39 / 26 / 16
Dimensions (W x H x D)	Body	mm	998 × 345 × 212	998 × 345 × 212
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W x No.	58 × 1	58 × 1
	Air Flow Rate (H / M / L)	m³/min	14.0 / 12.0 / 10.5	15.2 / 12.7 / 10.5
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)
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 (ID)	mm (inch)	16 (5/8)	16 (5/8)
Weight	Body	kg (lbs)	13.4 (29.5)	13.4 (29.5)
Sound Pressure Levels (H / M / L)		dB(A)	43 / 39 / 34	46 / 41 / 34
Sound Power Levels (H / M / L)		dB(A)	59 / 56 / 52	63 / 58 / 52
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm^2	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C

Note :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU18GSKR4	ARNU24GSKR4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	PRGK024A0	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	○	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)	○	
Wi-Fi	○	

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

ARTCOOL GALLERY

ARNU07GSF14 / ARNU09GSF14 / ARNU12GSF14



Model		Unit	ARNU07GSF14	ARNU09GSF14	ARNU12GSF14
Cooling Capacity		kW	2.2	2.8	3.6
		Btu/h	7,500	9,600	12,300
Heating Capacity		kW	2.5	3.2	4.0
		Btu/h	8,500	10,900	13,600
Power Input (H / M / L)		W	28 / 16 / 10	28 / 16 / 10	32 / 20 / 12
Dimensions (W x H x D)	Body	mm	600 x 600 x 146	600 x 600 x 146	600 x 600 x 146
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output	W x No.	30	30	30
	Air Flow Rate (H / M / L)	m³/min	8.1 / 6.3 / 4.2	8.1 / 6.3 / 4.2	9.3 / 7.7 / 6.0
	Drive		Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)	Resin Net (washable)
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 (ID)	mm (inch)	12.2 (15/32)	12.2 (15/32)	12.2 (15/32)
Net Weight		kg (lbs)	15.4 (34.0)	15.4 (34.0)	15.4 (34.0)
Sound Pressure Levels (H / M / L)		dB(A)	38 / 32 / 27	38 / 32 / 27	44 / 38 / 32
Sound Power Levels (H / M / L)		dB(A)	48 / 46 / 41	48 / 46 / 41	54 / 48 / 42
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	1.0~1.5 x 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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU07GSF14	ARNU09GSF14	ARNU12GSF14
Drain Pump	-		
Cassette Cover	-		
Refrigerant Leakage Detector	PRLDNVS0		
EEV Kit	PRGK024A0		
Multi-tenant Power Module	PINPMB001		
Robot Cleaner	-		
Pre Filter (Washable)	○		
Ion Generator	-		
CO_2 Sensor	-		
Ventilation Kit	-		
IR Receiver	-		
Zone Controller	-		
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)	○		
Wi-Fi	PWFMDD200 1)		

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

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
		Btu/h	5,500	7,500	9,600	12,300	15,400
Heating Capacity		kW	1.8	2.5	3.2	4.0	5.0
		Btu/h	6,100	8,500	10,900	13,600	17,100
Power Input (H / M / L)		W	11 / 10 / 9	12 / 11 / 9	13 / 12 / 9	15 / 13 / 11	23 / 18 / 11
Dimensions (W x H x D)	Body	mm	818 × 316 × 189	818 × 316 × 189	818 × 316 × 189	818 × 316 × 189	818 × 316 × 189
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output	W x No.	30 × 1	30 × 1	30 × 1	30 × 1	30 × 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
	Drive		Direct	Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)
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 (ID)	mm (inch)	16 (5/8)	16 (5/8)	16 (5/8)	16 (5/8)	16 (5/8)
Weight	Body	kg (lbs)	8.4 (18.5)	8.4 (18.5)	8.4 (18.5)	8.4 (18.5)	8.4 (18.5)
	Shipping	kg (lbs)	11.3 (24.9)	11.3 (24.9)	11.3 (24.9)	11.3 (24.9)	11.3 (24.9)
Sound Pressure Levels (H / M / L)		dB(A)	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32
Sound Power Levels (H / M / L)		dB(A)	45 / 43 / 42	46 / 45 / 42	48 / 46 / 42	51 / 48 / 45	55 / 52 / 45
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU05GSJ*4	ARNU07GSJ*4	ARNU09GSJ*4	ARNU12GSJ*4	ARNU15GSJ*4
Drain Pump	-				
Cassette Cover	-				
Refrigerant Leakage Detector	PRLDNVS0				
EEV Kit	PRGK024A0				
Multi-tenant Power Module	PINPMB001				
Robot Cleaner	-				
Pre Filter (Washable)	○				
Ion Generator	○				
CO_2 Sensor	-				
Ventilation Kit	-				
IR Receiver	-				
Zone Controller	-				
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)				
External Input (1 point)	○				
Wi-Fi	○				

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

STANDARD

ARNU18GSKN4 / ARNU24GSKN4



Model		Unit	ARNU18GSKN4	ARNU24GSKN4
Cooling Capacity		kW	5.6	7.1
		Btu/h	19,100	24,200
Heating Capacity		kW	6.3	7.5
		Btu/h	21,500	25,600
Power Input (H / M / L)		W	32 / 26 / 16	39 / 26 / 16
Dimensions (W x H x D)	Body	mm	975 x 354 x 209	975 x 354 x 209
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W x No.	58 × 1	58 × 1
	Air Flow Rate (H / M / L)	m³/min	14.0 / 12.0 / 10.5	15.2 / 12.7 / 10.5
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)
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 (ID)	mm (inch)	16 (5/8)	16 (5/8)
Weight	Body	kg (lbs)	12.2 (26.9)	12.2 (26.9)
	Shipping	kg (lbs)	16.0 (35.3)	16.0 (35.3)
Sound Pressure Levels (H / M / L)		dB(A)	43 / 39 / 34	46 / 41 / 34
Sound Power Levels (H / M / L)		dB(A)	59 / 56 / 52	63 / 56 / 52
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) WB, Interconnecting piping length 7.5m, Level difference of zero
3. Due to our policy of innovation, some specifications may be changed without notification

Accessories

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

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

ARNU30GSVA4 / ARNU36GSVA4



Model		Unit	ARNU30GSVA4	ARNU36GSVA4
Cooling Capacity		kW	8.8	10.4
		Btu/h	30,000	35,500
Heating Capacity		kW	9.4	10.8
		Btu/h	32,000	37,000
Power Input (H / M / L)		W	54 / 43 / 31	85 / 51 / 36
Dimensions (W x H x D)	Body	mm	1,190 × 346 × 265	1,190 × 346 × 265
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W x No.	113 × 1	113 × 1
	Air Flow Rate (H / M / L)	m³/min	23.0 / 20.0 / 17.0	26.0 / 23.0 / 19.0
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)
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 (ID)	mm (inch)	16 (5/8)	16 (5/8)
Weight	Body	kg (lbs)	16.6 (35.6)	16.6 (35.6)
	Shipping	kg (lbs)	-	-
Sound Pressure Levels (H / M / L)		dB(A)	49 / 44 / 42	52 / 47 / 43
Sound Power Levels (H / M / L)		dB(A)	60 / 60 / 56	63 / 60 / 58
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU30GSVA4	ARNU36GSVA4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	-	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200 1)	

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

PAC



Features & Benefits

- The powerful air speed and volume means the air flow can reach up to 15m away from the air conditioner.

Key Applications

- Retail
- Shop
- Office
- Restaurant

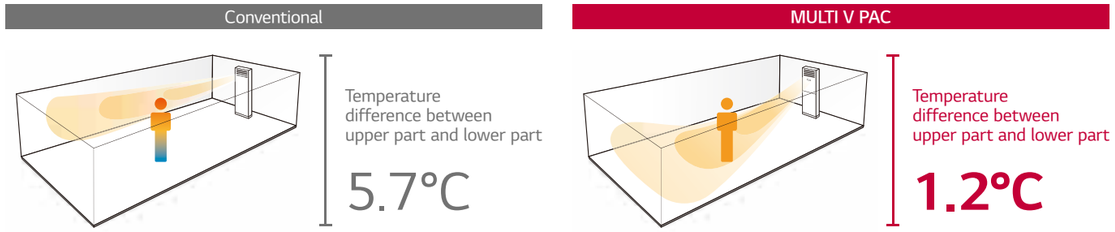
Simple & Elegant Design

With its stylish design, LG's new floor standing air conditioner enhances the overall indoor interior.



Less Temperature Difference

Power cooling and heating will minimize the temperature difference between upper part and lower part of the room.



※ Temperature difference between upper part and lower part
※ Test Condition : Indoor temperature 12°C, Outdoor temperature 7°C, Setting Temperature 30°C
※ Measure Condition : After 3 hours heating operation (average temperature)

15m Long Power Cooling

The new LG floor standing unit is efficient for using in large areas due to its powerful cooing and heating operation.
The powerful air speed and volume means the air flow can reach up to 15m away from the air conditioner.



※ Based on 131.8m²

Type	Floor Standing
Air Flow (m³/min)	37
Air Speed (m/s)	4.5

PAC

ARNU48GPTA4 / ARNU96GPFA4



Model		Unit	ARNU48GPTA4	ARNU96GPFA4
Cooling Capacity		kW	14.1	28.0
		Btu/h	48,100	95,900
Heating Capacity		kW	15.9	31.5
		Btu/h	54,200	107,500
Power Input	Cooling (SH / H / M / L)	W	260 / 190 / 140 / 110	400 / 280 / - / 180
	Heating (SH / H / M / L)	W	260 / 190 / 140 / 110	400 / 280 / - / 180
Dimensions (W x H x D)	Body	mm	590 × 1,840 × 440	1,050 × 1,880 × 495
Fan	Type		Blower Fan	Blower Fan
	Motor Output	W x No.	224 × 1	700 × 1
	Air Flow Rate (SH / H / M / L) (Standard Mode)	m³/min	37 / 33 / 28 / 24	68 / 61 / - / 50
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pre-Filter			-	-
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 (ID)	mm	19	22
Net Weight		kg (lbs)	48 (105.8)	113 (249.1)
Sound Pressure Level (SH / H / M / L)			54 / 51 / 49 / 45	60 / 57 / - / 53
Power Supply		Ø, V, Hz	1, 220, 60	1, 220, 60
		Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Refrigerant Control			EEV	EEV
Transmission Cable		mm^2 (VCTF-SB)	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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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

Model		ARNU48GPTA4	ARNU96GPFA4
Dry Contact	Simple (1 Contact Point with Case)	PDRYCB000	
	2 Contact Point	PDRYCB400	
	For Thermostat (On-Off / Mode / Fan Speed)	PDRYCB320	
	Modbus Communication	PDRYCB500	
EEV Kit for MULTI V Indoor		-	
IR Receiver		PWLRVN000	

MEMO

CEILING SUSPENDED



Features & Benefits

- The powerful air speed and volume means the air flow can reach up to 15m away from the air conditioner.

Key Applications

- Retail
- Shop
- Office
- Restaurant

Differentiated Design

With its stunning V-shaped design and black vane, LG's new ceiling-suspended air conditioner exudes modern elegance appropriate for any space. The tasteful aesthetics of the air conditioner helped earn it the iF Design Award.



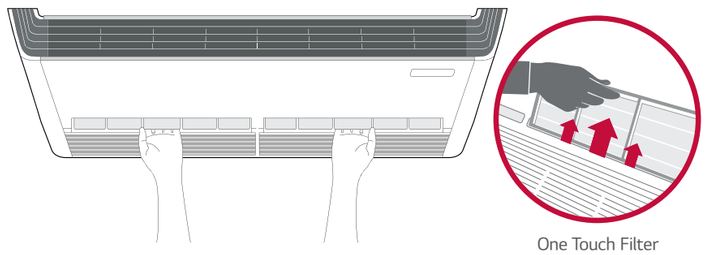
Powerful Cooling & Heating

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



One Touch & 2 Piece Filter

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

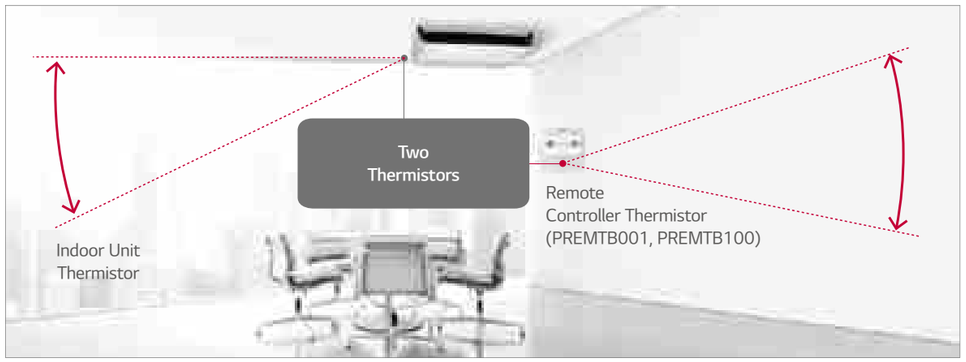


One Touch Filter

CEILING SUSPENDED

Two Thermistors Control

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



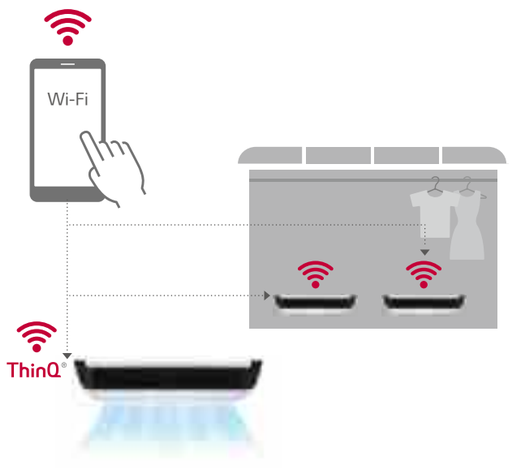
Wi-Fi Control

Control your air conditioners via using the smart internet devices as Android or iOS based smartphones. This advanced technology provides you the best convenience.

ThinQ

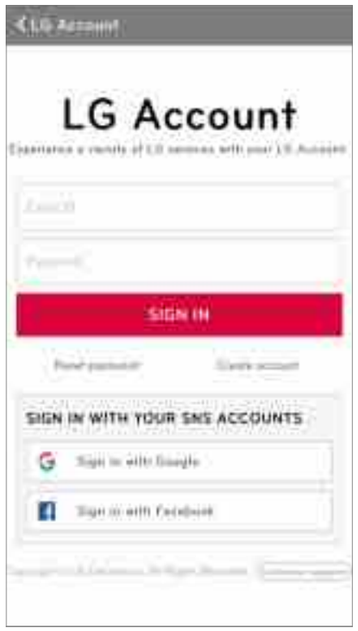
Search “ThinQ” on Google market or Appstore then download the app.

Access your air conditioner anytime and from anywhere



Easy Registration and Log-in

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



MEMO

CEILING SUSPENDED

ARNU18GV1A4 / ARNU24GV1A4
ARNU36GV2A4 / ARNU48GV2A4



Model		Unit	ARNU18GV1A4	ARNU24GV1A4	ARNU36GV2A4	ARNU48GV2A4
Cooling Capacity		kW	5.6	7.1	10.6	14.1
		Btu/h	19,100	24,200	36,200	48,100
Heating Capacity		kW	6.3	8	11.9	15.9
		Btu/h	21,500	27,300	40,600	51,200
Power Input (H / M / L)		W	23 / 20 / 17	25 / 21 / 17	84 / 77 / 66	91 / 79 / 66
Dimensions (W x H x D)	Body	mm	1,200 × 235 × 690	1,200 × 235 × 690	1,600 × 235 × 690	1,600 × 235 × 690
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output	W x No.	85.9 × 1	85.9 × 1	125 × 1	125 × 1
	Air Flow Rate (H / M / L)	m^3/min	13.5 / 12.5 / 12 .0	14.0 / 13.0 / 12.0	27.0 / 24.0 / 20.0	29.0 / 24.0 / 20.0
	Drive		Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC
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 (O.D. / I.D.)	mm	Ø25.0 / 16.0	Ø25.0 / 16.0	Ø25.0 / 16.0	Ø25.0 / 16.0
Net Weight		kg (lbs)	29.0 (63.9)	29.0 (63.9)	37.0 (81.6)	37.0 (81.6)
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 33	37 / 35 / 33	45 / 44 / 40.5	47 / 44 / 40.5
Sound Power Levels (H / M / L)		dB(A)	61 / 59 / 56	62 / 59 / 56	68 / 66 / 64	68 / 67 / 66
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm² × Cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU36GV2A4	ARNU48GV2A4
Drain Pump	-			
Cassette Cover	-			
Refrigerant Leakage Detector	PRLDNVS0			
EEV Kit	-			
Multi-tenant Power Module	PINPMB001			
Robot Cleaner	-			
Pre Filter (Washable)	○			
Ion Generator	-			
CO_2 Sensor	-			
Ventilation Kit	-			
IR Receiver	-			
Zone Controller	-			
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)			
External Input (1 point)	○			
Wi-Fi	PWFMDD200			

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

CEILING & FLOOR CONVERTIBLE

ARNU09GVEA4 / ARNU12GVEA4



Model		Unit	ARNU09GVEA4	ARNU12GVEA4
Cooling Capacity		kW	2.8	3.6
		Btu/h	9,600	12,300
Heating Capacity		kW	3.2	4.0
		Btu/h	10,900	13,600
Power Input (H / M / L)		W	19 / 15 / 11	28 / 19 / 15
Dimensions (W x H x D)	Body	mm	900 × 490 × 200	900 × 490 × 200
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W x No.	27 × 1	27 × 1
	Air Flow Rate (H / M / L)	m^3/min	7.6 / 6.9 / 6.2	9.2 / 7.6 / 6.9
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
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 (I.D.)	mm	16 (5/8)	16 (5/8)
Net Weight		kg (lbs)	13.3	13.3
Shipping Weight		kg (lbs)	17.8	17.8
Sound Pressure Levels (H / M / L)		dB(A)	36 / 32 / 28	38 / 36 / 30
Sound Power Levels (H / M / L)		dB(A)	55 / 51 / 45	56 / 55 / 49
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm² × Cores	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C

NOTE :
1. Performance tested under EN14511
2. Capacities are based on the following conditions
   - Cooling : Indoor temp. 27℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU09GVEA4	ARNU12GVEA4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	PRGK024A0	
Independent Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable / Anti-fungus)	○	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200	

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

CONSOLE & FLOOR STANDING



Features & Benefits

- Ideal for Installation Beneath a Window
- Unit Requires Minimal Installation Space
- Fitted with a Washable Long-life Filter

Key Applications

- School
- Office
- Church
- Historic Building

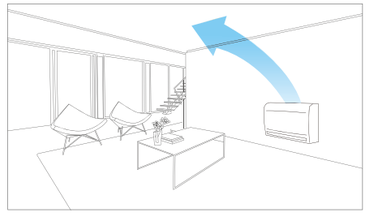
Floor standing		Console	Floor Standing Unit
Smart	Wi-Fi	○	○
Energy Efficiency	Jet Cool	-	○
Health	Lonizer	○	-
Fast Cooling & Heating	Jet Cool	○	-
Comfort	Sleep Mode	○	○
	Timer (On / Off)	○	○
	Timer (Weekly)	○	○
	Two Thermistor Control	○	○
	Group Control	○	○

※ ○ : Applied, - : Not applied

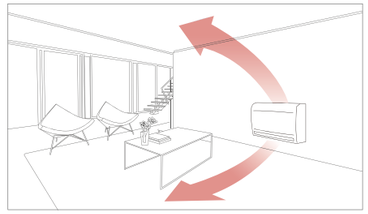
Installation Support Clip

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.

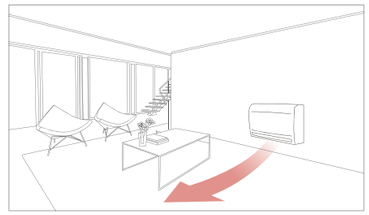
Cooling



Heating (Normal)



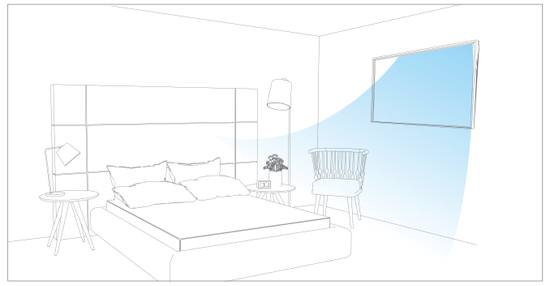
Heating (Option)



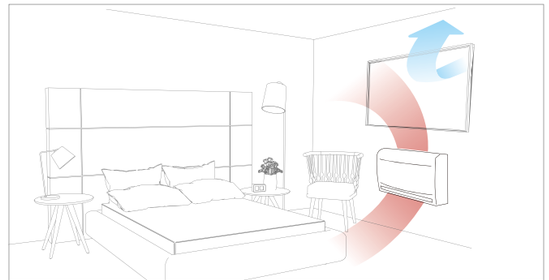
Block Cold Draft

The console can block cold drafts from windows to provide a warmer environment for places such as libraries and offices.

Without Console

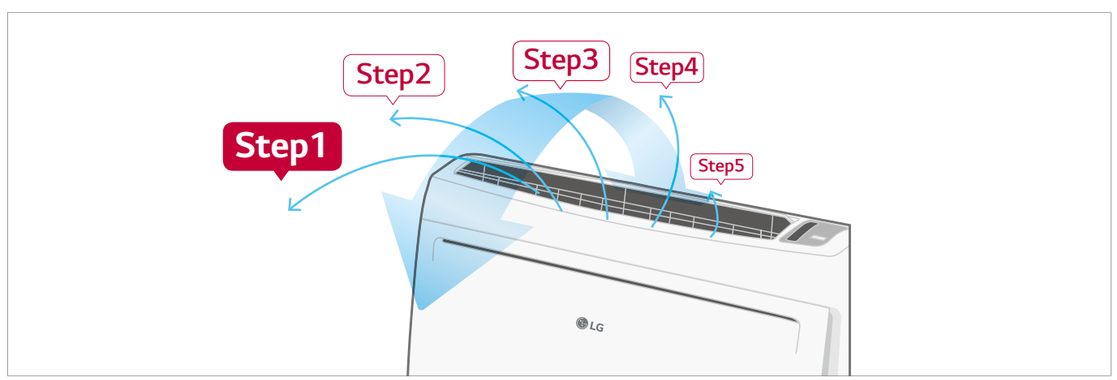


With Console



5-Step Vane Control

There are 5 different stages to control air flow direction.

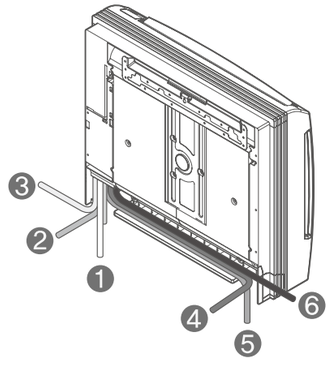


CONSOLE & FLOOR STANDING

3 Way Flexible Installation

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)

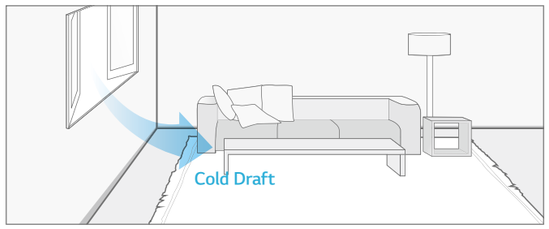




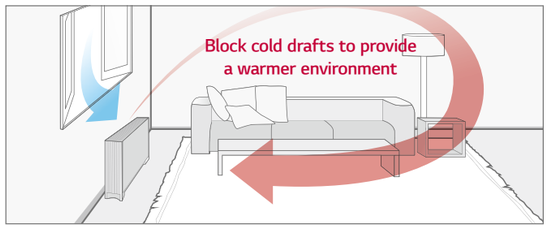
Block Cold Draft

The floor standing unit can block cold drafts from windows to provide a warmer environment for places such as libraries and offices.

Without Floor Standing

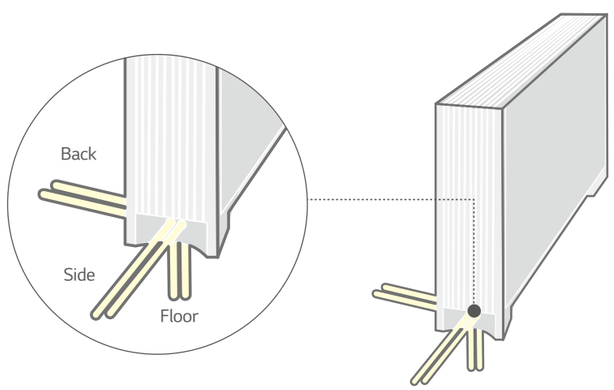


With Floor Standing



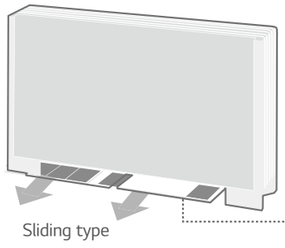
3 Way Flexible Installation

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

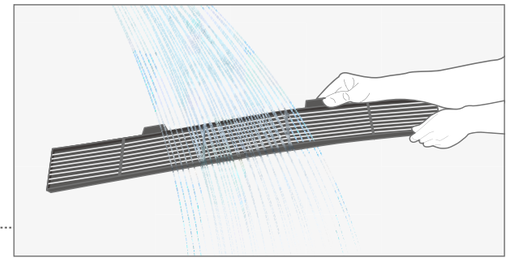


Sliding Type Filter

Easy maintenance and extended product life with sliding type filter.



Easy cleaning



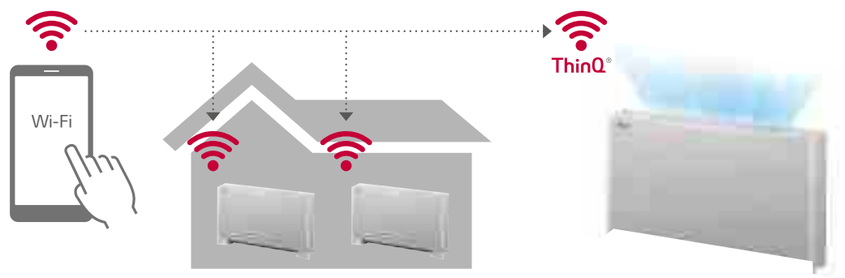
Wi-Fi Control

Control your air conditioners via using the smart internet devices as Android or iOS based smartphones. This advanced technology provides you the best convenience.

ThinQ

Search “ThinQ” on Google market or Appstore then download the app.

Access your air conditioner anytime and from anywhere



CONSOLE

ARNU07GQAA4 / ARNU09GQAA4



Model		Unit	ARNU07GQAA4	ARNU09GQAA4
Cooling Capacity		kW	2.2	2.8
		Btu/h	7,500	9,600
Heating Capacity		kW	2.5	3.2
		Btu/h	8,500	10,900
Power Input (H / M / L)		W	15 / 12 / 10	15 / 12 / 10
Dimensions (W x H x D)	Body	mm	700 x 600 x 210	700 x 600 x 210
Fan	Type		Turbo Fan	Turbo Fan
	Motor Output	W x No.	48 x 1	48 x 1
	Air Flow Rate (H / M / L)	m^3/min	6.7 / 5.9 / 4.8	6.7 / 5.9 / 4.8
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
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 (OD / ID)	mm	17 / 12.2	17 / 12.2
Net Weight Body		kg (lbs)	14.0 (30.9)	14.0 (30.9)
Sound Pressure Levels (H / M / L)		dB(A)	37 / 34 / 28	37 / 34 / 28
Sound Power Levels (H / M / L)		dB(A)	53 / 50 / 44	53 / 50 / 44
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU15GQAA4
Drain Pump	-	
Cassette Cover	-	
Refrigerant Leakage Detector	PRLDNVS0	
EEV Kit	PRGK024A0	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	○	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200	

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

ARNU12GQAA4 / ARNU15GQAA4



Model		Unit	ARNU12GQAA4	ARNU15GQAA4
Cooling Capacity		kW	3.6	4.5
		Btu/h	12,300	15,400
Heating Capacity		kW	4.0	5.0
		Btu/h	13,600	17,100
Power Input (H / M / L)		W	18 / 15 / 13	24 / 19 / 17
Dimensions (W x H x D)	Body	mm	700 x 600 x 210	700 x 600 x 210
Fan	Type		Turbo Fan	Turbo Fan
	Motor Output	W x No.	48 x 1	48 x 1
	Air Flow Rate (H / M / L)	m^3/min	7.5 / 5.9 / 4.8	8.7 / 6.7 / 5.9
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
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 (OD / ID)	mm	17 / 12.2	17 / 12.2
Net Weight Body		kg (lbs)	14.0 (30.9)	14.0 (30.9)
Sound Pressure Levels (H / M / L)		dB(A)	39 / 34 / 28	42 / 37 / 31
Sound Power Levels (H / M / L)		dB(A)	56 / 50 / 44	58 / 53 / 50
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	1.0 ~ 1.5 x 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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	
Multi-tenant Power Module	PINPMB001	
Robot Cleaner	-	
Pre Filter (Washable)	○	
Ion Generator	○	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200	

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

FLOOR STANDING

ARNU07GCEA4 / ARNU09GCEA4 / ARNU12GCEA4
ARNU15GCEA4 / ARNU18GCFA4 / ARNU24GCFA4



※ A : Floor Standing with case

Model		Unit	ARNU07GCEA4	ARNU09GCEA4	ARNU12GCEA4	ARNU15GCEA4	ARNU18GCFA4	ARNU24GCFA4
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input (H / M / L)		W	24 / 17 / 14	30 / 24 / 17	36 / 30 / 24	44 / 35 / 28	54 / 41 / 29	84 / 54 / 41
Dimensions	Body	mm	1,067 x 635 x 203	1,067 x 635 x 203	1,067 x 635 x 203	1,067 x 635 x 203	1,345 x 635 x 203	1,345 x 635 x 203
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output	W x No.	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 2	19 x 2
	Air Flow Rate (H / M / L)	m³/min	8.5 / 7.5 / 6.5	9.5 / 8.5 / 7.5	10.5 / 9.5 / 8.5	11.5 / 10.0 / 9.5	16.0 / 14.0 / 12.0	18.0 / 16.0 / 14.0
	Drive		Direct	Direct	Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)
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)	12 (15/32)	12 (15/32)	12 (15/32)	12 (15/32)	12 (15/32)	12 (15/32)
Net Weight			27 (59.5)	27 (59.5)	27 (59.5)	27 (59.5)	34 (75.0)	34 (75.0)
Sound Pressure Levels (H / M / L)		dB(A)	35 / 33 / 31	36 / 34 / 32	37 / 35 / 33	38 / 37 / 35	40 / 37 / 34	43 / 40 / 37
Sound Power Levels (H / M / L)		dB(A)	52 / 47 / 43	54 / 51 / 47	54 / 51 / 50	55 / 54 / 51	57 / 54 / 50	61 / 57 / 54
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	1.0 ~ 1.5 x 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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU07GCEA4	ARNU09GCEA4	ARNU12GCEA4	ARNU15GCEA4	ARNU18GCFA4	ARNU24GCFA4
Drain Pump	-				-	
Cassette Cover	-				-	
Refrigerant Leakage Detector	PRLDNVS0				PRLDNVS0	
EEV Kit	PRGK024A0				-	
Multi-tenant Power Module	PINPMB001				PINPMB001	
Robot Cleaner	-				-	
Pre Filter (Washable)	○				○	
Ion Generator	-				-	
CO_2 Sensor	-				-	
Ventilation Kit	-				-	
IR Receiver	PWLRVN000				PWLRVN000	
Zone Controller	-				-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)					
External Input (1 point)	○				○	
Wi-Fi	PWFMDD200				PWFMDD200	

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

ARNU07GCEU4 / ARNU09GCEU4 / ARNU12GCEU4
ARNU15GCEU4 / ARNU18GCFU4 / ARNU24GCFU4



※ U : Floor Standing without case

Model		Unit	ARNU07GCEU4	ARNU09GCEU4	ARNU12GCEU4	ARNU15GCEU4	ARNU18GCFU4	ARNU24GCFU4
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
Heating Capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input (H / M / L)		W	24 / 17 / 14	30 / 24 / 17	36 / 30 / 24	44 / 35 / 28	54 / 41 / 29	84 / 54 / 41
Dimensions	Body	mm	978 x 639 x 190	978 x 639 x 190	978 x 639 x 190	978 x 639 x 190	1,256 x 639 x 190	1,256 x 639 x 190
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output	W x No.	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 1, 5 x 1	19 x 2	19 x 2
	Air Flow Rate (H / M / L)	m³/min	8.5 / 7.5 / 6.5	9.5 / 8.5 / 7.5	10.5 / 9.5 / 8.5	11.5 / 10.0 / 9.5	16.0 / 14.0 / 12.0	18.0 / 16.0 / 14.0
	Drive		Direct	Direct	Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)
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)	12 (15/32)	12 (15/32)	12 (15/32)	12 (15/32)	12 (15/32)	12 (15/32)
Net Weight			21 (46.3)	21 (46.3)	21 (46.3)	21 (46.3)	25 (55.1)	25 (55.1)
Sound Pressure Levels (H / M / L)		dB(A)	35 / 33 / 31	36 / 34 / 32	37 / 35 / 33	38 / 37 / 35	40 / 37 / 34	43 / 40 / 37
Sound Power Levels (H / M / L)		dB(A)	52 / 47 / 43	54 / 51 / 47	54 / 51 / 50	55 / 54 / 51	59 / 57 / 53	63 / 59 / 57
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm²	1.0 ~ 1.5 x 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℃ (80.6℉) DB / 19℃ (66.2℉) WB, Outdoor temp. 35℃ (95℉) DB / 24℃ (75.2℉) WB, Interconnecting piping length 7.5m, Level difference of zero
   - Heating : Indoor temp. 20℃ (68℉) DB / 15℃ (59℉) WB, Outdoor temp. 7℃ (44.6℉) DB / 6℃ (42.8℉) 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	ARNU07GCEU4	ARNU09GCEU4	ARNU12GCEU4	ARNU15GCEU4	ARNU18GCFU4	ARNU24GCFU4
Drain Pump	-				-	
Cassette Cover	-				-	
Refrigerant Leakage Detector	PRLDNVS0				PRLDNVS0	
EEV Kit	PRGK024A0				-	
Multi-tenant Power Module	PINPMB001				PINPMB001	
Robot Cleaner	-				-	
Pre Filter (Washable)	○				○	
Ion Generator	-				-	
CO_2 Sensor	-				-	
Ventilation Kit	-				-	
IR Receiver	PWLRVN000				PWLRVN000	
Zone Controller	-				-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)					
External Input (1 point)	○				○	
Wi-Fi	PWFMDD200				PWFMDD200	

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

COMPATIBILITY

No.	New Function Name (4th generation indoor)	Function Description	Required Controller		Remarks
			Wired Remote Controller	Centralized Controller	
1	Energy Monitoring (Accumulated Electric Energy Check)	Monitoring accumulated power consumption by Wired Remote Controller	○	○	* Neccesary to install the PDI (Power Distribution Indicator) and central controller * Combined with MULTI V Water S outdoor unit, this function is not available.
		Monitoring accumulated power consumption by Central Control Device / PDI	-	○	* Neccesary to install the PDI (Power Distribution Indicator) * To make a report, central controller must be installed
2	2 Set Point	1) 2 set point control by Indoor and Central controller 2) Synchronization function with remote control (Synchronization Setting and Monitoring)	○	○	* Wired remote controller and central controller must be installed * Combined with MULTI V Water S outdoor unit, this function is not available.
3	Occupied / Unoccupied Scheduling Function (Sub Func. Enable)	1) Synchronization according to occupied / unoccupied by Indoor and Central control 2) Synchronization icon with remote controller (Synchronization Monitoring)	○	○	* Centralized control is able to when you combine only 4th generation indoor units (Use together with 2nd generation and 4th generation indoors, only wired remote controller is able to set this function as existing way) * Wired remote controller or central controller must be installed (Function can be activeated using just one control device.) * Combined with MULTI V Water S outdoor unit, this function is not available.
4	Group Control	Group Control can use Additional function	○	○	* Check more details in PDB (Product Data Book) * Central controller can create and control group.
5	Test Run (Heating)	Test run mode can be operated in cooling mode and heating mode for easy service	○	-	
6	Model Information Monitoring	Product Type / Indoor Type / Indoor capacity information can be monitored by remote controller	○	-	
7	Indoor unit address checking	Wired remote controller can check indoor unit address information	○	-	
8	Refrigerant Leakage Detection	Function error sign display when refrigerant leakage occurred	○	○	* Central controller has been installed, CH230 error code can be recognized (Old/New Same) * Without Central Controller, it is able to recognize with wired remote controller (CH230) * Combined with MULTI V Water S outdoor unit, this function is not available. * Accessory PRLDNVS0 must be separately ordered
9	Thermo On / Off range Setting (Cooling)	User can set cooling thermo On / Off range with wired remote controller for prevention overcooling	○	-	* Thermo On / Off temperature setting (3 step)
10	Thermo On / Off range Setting (Heating)	User can set heating thermo On / Off range with wired remote controller for prevention overheating. (4 Steps)	○	-	* Thermo On / Off temperature setting (4 step)
11	Static Pressure 11 Step Control (Only for Ceiling Concealed Duct Type)	Depends on the installation environment, 4th generation Ceiling Concealed Duct can control the static pressure by 11 steps for providing comfortable environment	○	-	* Only applied in Ceiling Concealed Duct
12	1 point External Input (On / Off control)	Indoor unit can control external devices without purchasing Dry contact as an accessory (All 4th generation indoors)	○	-	* Simple On / Off control by Dry Contact at Indoor [Example of Contact port by product type] * 2 Way Cassette : CN-CC Port (Wired remote controller installation function mode 41 is required) * 1 Way / 4 Way Cassette / Ceiling Concealed Duct / Wall Mounted Unit Console / FAU / Floor Standing (with case / without case) : CN-EXT Port
13	Filter Sign (Remaining Time)	The alarm activates when the filter needs to be cleaned, and the time remaining for cleaning is displayed on the screen.	○	○	* The alarm activates on the central controller, but the remaining time is not displayed.
14	Auto restart function Disable / Enable	After the power failure compensation, stand by at OFF mode Restore the operation for the status before the power off	○	-	
15	Indoor Humidity display	Monitoring indoor humidity Wired Remote Controller	○	○	* Available only with MULTI V 5
16	Comfort Cooling setting	set the outdoor unit Comfort cooling operation value	○	○	* Available only with MULTI V 5
17	Smart Load Control setting	Change the outdoor unit's Smart Load Control stage value.	○	○	* Available only with MULTI V 5
18	ODU Refrigerant Noise Reduction setting	set the outdoor unit's refrigerant noise reduction function	○	○	* Available only with MULTI V 5
19	Low noise mode time setting	set the start and end time of the outdoor unit's low noise mode operation	○	○	* Available only with MULTI V 5

Note : 1. No.1, 2, 3, 8 : Functions are available to use together with 4th generation Indoor units only. If used together 2nd generation indoor unit and 4th generation indoor unit functions will not be activate. Combined with MULTI V WATER S outdoor unit this function is not available
2. No. 4, 5, 6, 7, 9, 10, 11, 12, 13, 14 : If used together 2nd generation indoor unit and 4th generation indoor unit these functions will be activate only in 4th generation indoor
3. 2nd generation indoor unit : Ceiling & Floor Convertible Unit, Ceiling Suspended Unit, HYDRO KIT (Low Temp. / High Temp.), ERV DX (with Humidifier, without Humidifier), AHU Communication Kit

FEATURE FUNCTIONS

Wired Remote Controller					Centralized Controller				
Premium (PREMTA000 PREMTA000A PREMTA000B)	Standard III (PREMTB100) (PREMTB10)	Standard II (PREMTB01) (PREMTB001)	Simple		AC EZ (PQCSZ250S0)	AC EZ Touch (PACEZA000)	AC Smart 5 (PACS5A000)	ACP 5 (PACP5A000)	AC Manager 5 (PACM5A000)
			Simple for Hotel (PQRCHCA0Q /QW)	Simple (PQRCVCL0Q /QW)					
○	○	○	-	-	-	○	○	○	○
-	-	-	-	-	-	○	○	○	○
○	○	-	-	-	-	○	○	○	○
○	○	-	-	-	-	○	○	○	○
○	○	○	-	-	-	-	○	○	○
○	○	○	-	-	-	-	-	-	-
○	○	○	-	-	-	-	-	-	-
○	○	○	-	-	-	-	-	-	-
○	○	○	-	-	-	-	○	○	○
○	○	○	-	-	-	-	-	-	-
○ (4 step)	○ (4 step)	○ (3 step)	○ (3 step)	○ (3 step)	-	-	-	-	-
○	○	○	○	○	-	-	-	-	-
○	○	○	-	-	-	-	-	-	-
○	○	○	-	-	○	○	○	○	○
○	○	○	-	-	-	-	-	-	-
○	○	-	-	-	-	-	○	○	○
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○	○	-	-	-	-	-	○	○	○
○	○	-	-	-	-	-	○	○	○
○	○	-	-	-	-	-	○	○	○

※ ○ : Applied, - : Not applied

COMPATIBILITY

Product \ Controller		Premium	Standard III		Standard II		Simple		Simple for Hotel		Wireless	Dry Contact			
		PREMTA000 PREMTA000A PREMTA000B	PREMTBB10	PREMTB100	PREMTBB01	PREMTB001	PQRCVCL0Q	PQRCVC0QW	PQRCHCA0Q	PQRCHCA0QW	PWLSSB21H(H/P) PWLSSB21C(C/O)	Simple Dry Contact PDRYCB000	2 points Dry Contact PDRYCB400	Dry Contact for Thermostat PDRYCB320	For Modbus PDRYCB500
Ceiling Concealed Duct	Mid Statics	○	○	○	○	○	○	○	○	○	△	○	○	○	○
	High Statics	○	○	○	○	○	○	○	○	○	△	○	○	○	○
	Low Statics	○	○	○	○	○	○	○	○	○	△	○	○	○	○
Fresh Air Intake Unit		○	○	○	○	○	○	○	○	○	△	○	○	○	○
Ceiling Mounted Cassette	Round Cassette	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Smart Dual Vane Cassette	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	4-Way Cassette (570 X 570)	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	2-Way / 1-Way Cassette	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Wall Mounted	Artcool Mirror	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Artcool Gallery	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Standard	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PAC		○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ceiling Suspended		○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ceiling & Floor Convertible		○	○	○	○	○	○	○	○	○	○	○	○	○	○
Console		○	○	○	○	○	○	○	○	○	○	○	○	○	○
Floor Standing		○	○	○	○	○	○	○	○	○	○	○	○	○	○
Energy Recovery Ventilator	ERV Without DX Coil	○	○	O	○	○	-	-	-	-	-	○	-	-	○
	ERV With DX Coil	○	○	O	○	○	-	-	-	-	-	○	-	-	○
Hydro Kit		-	-	-	-	-	-	-	-	-	-	○	-	○	-
AHU Communication Kit		○	○	O	○	O	-	-	-	-	△	-	-	-	-

※ O : Compatible, △ : Wired Remote Controller / IR Receiver Required, - : Not Compatible
For more detailed information, refer to the Product Data Book for each product.

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	PWLSSB21H (H/P) PWLSSB21C (C/O)	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	○	○	-	-	-	-	-
	Wifi AP mode setting	○	○	○	○	○	○	-
ETC	Operation Status LED	○	○	○	○	○	-	-
	Wireless Remote Controller Receiver	○[3]	-	○[3]	○[3]	○[3]	-	-
	Display	5 inch Color	4.3 inch Color	4.3 inch Mono	2.6 inch Mono	2.6 inch Mono	2 inch Mono	-
	Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	120 x 121 x 16	70 x 121 x 16	70 x 121 x 16	51 x 153 x 26	48 x 68 x 14
	Black 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)

VENTILATION SOLUTIONS

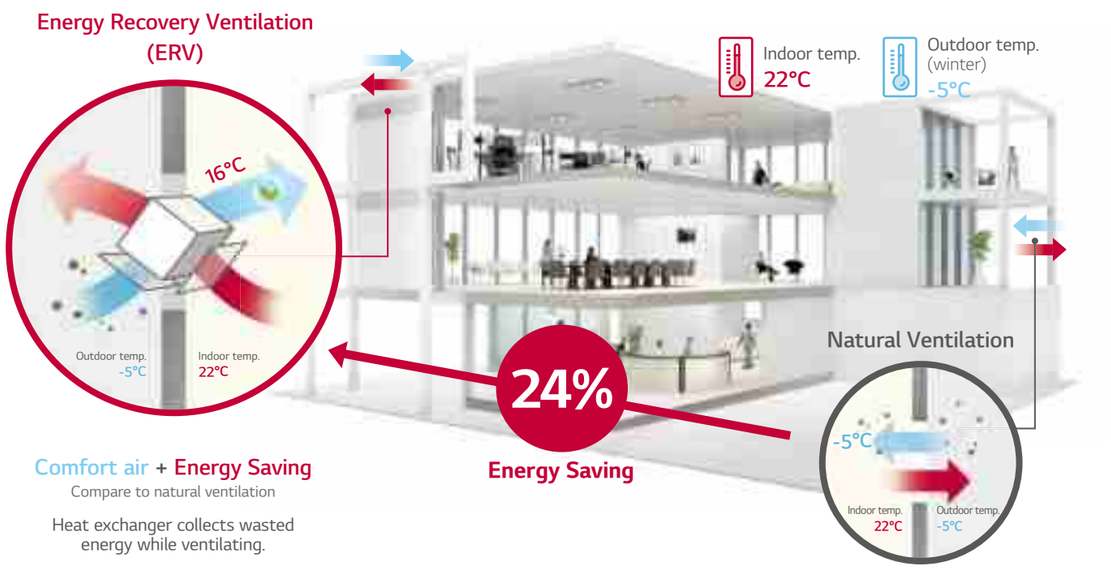
- ERV
- ERV WITH DX COIL



ERV

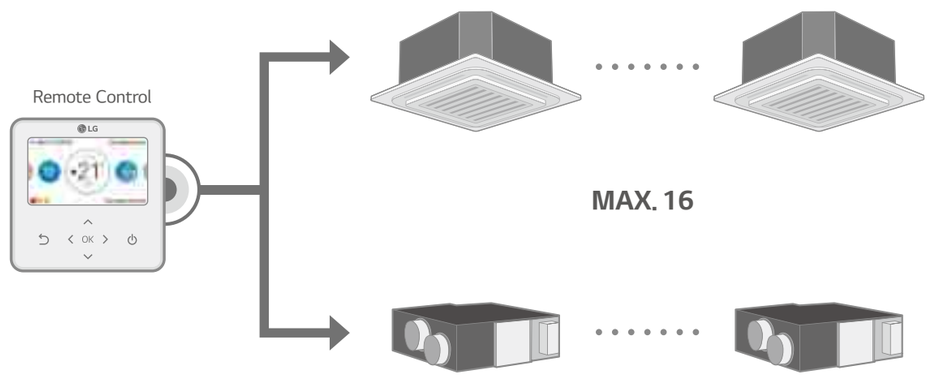
Necessity of ERV

Natural ventilation loss cooling, heating energy when exhausting polluted air inside. Heat exchanger in ERV collects the cooling, heating energy to save energy while supplying fresh air.



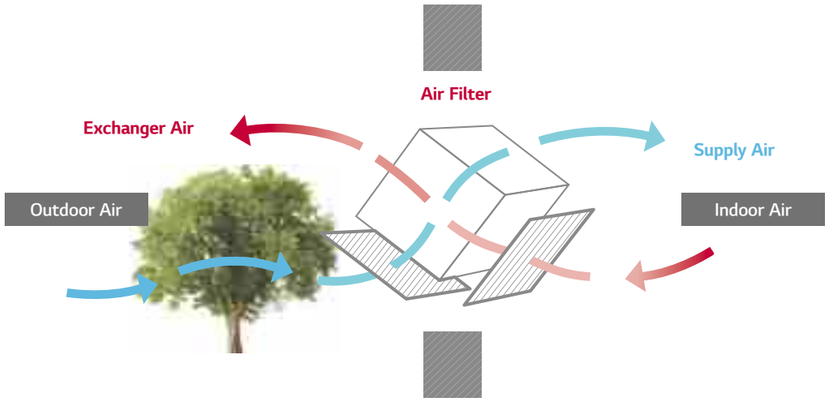
Interlocking with Air Conditioning System

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



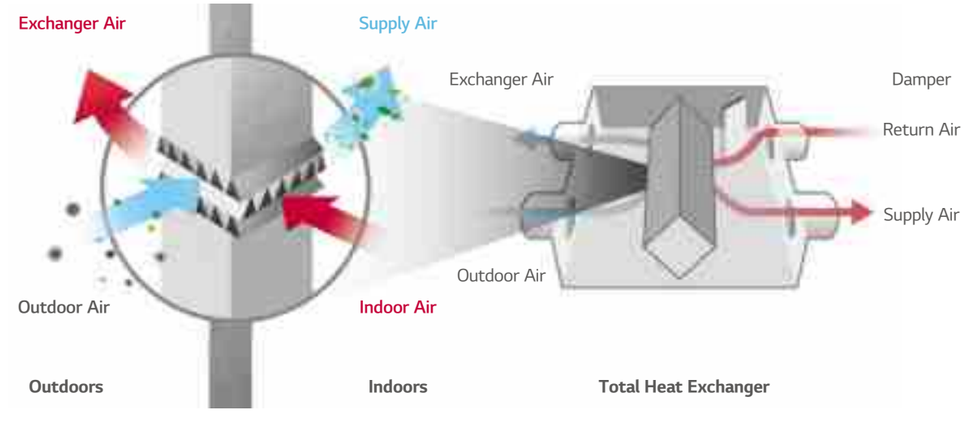
High Efficiency Heat Exchanger

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



Compulsory Exhausting System

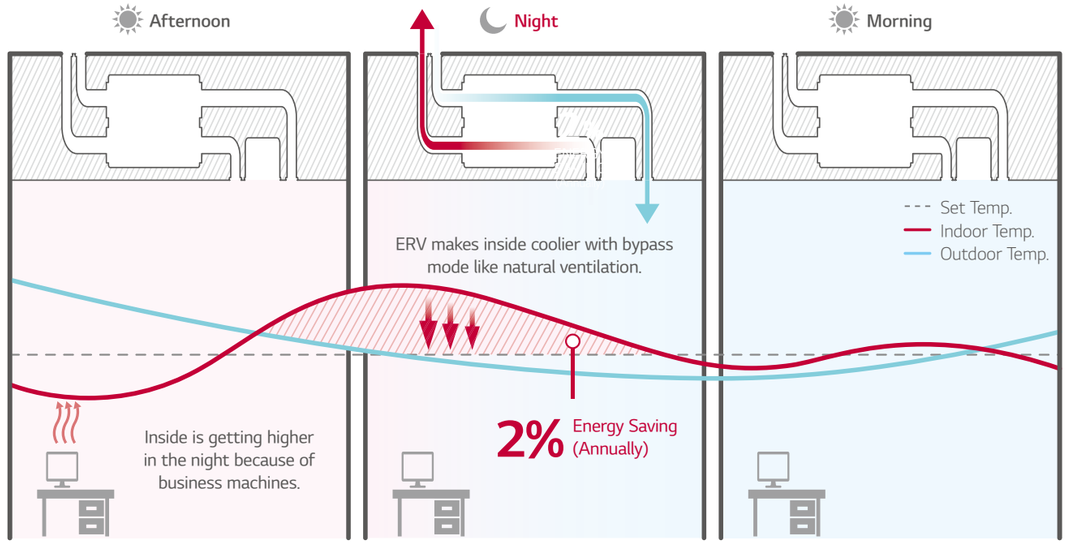
The exhausting system using high static and sirocco fan removes contaminants effectively from indoor air.
Supply and exhaust air flows are completely separated in the total heat exchanger, LG ERV can filter out the impurities before supplying outdoor air and make indoor air fresh and healthy.



ERV

Night Time Free Cooling

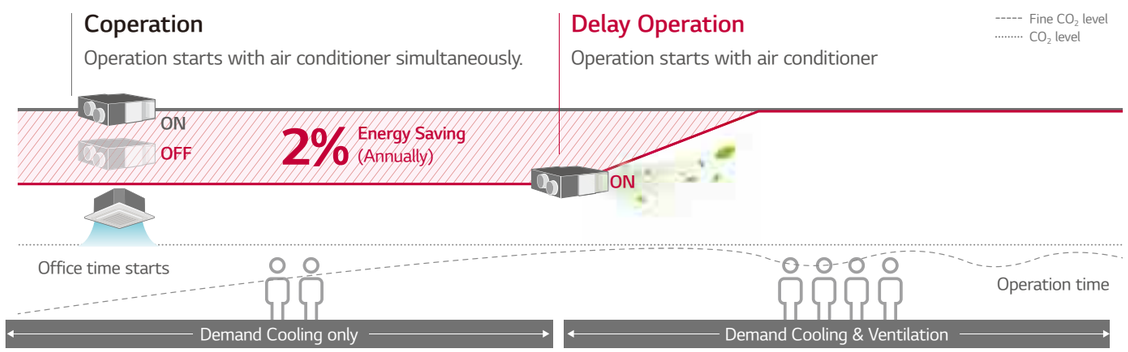
Discharge the indoor heat in the summer night and supply cool outdoor air to indoors. so it can save energy.



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

Delay Operation

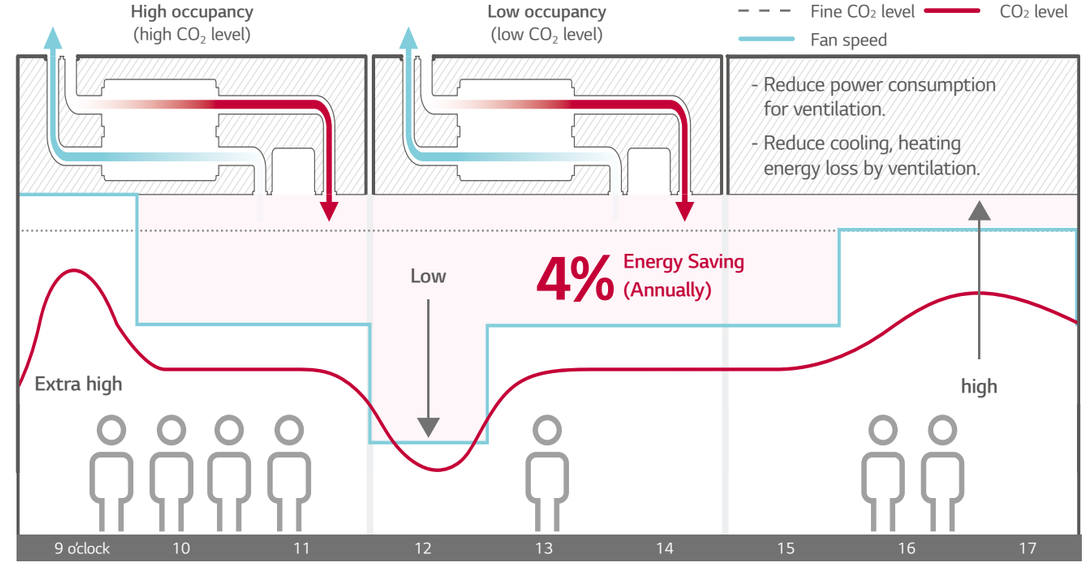
When you turn on the air conditioner and ERV at the same time, Delay Operation can reduce unnecessary heating and cooling energy loss slows down automatically ERV operation.



※ 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 (1000 CMH) + MULTI V 4 (12HP) Unit Combination
- Other conditions are subject to BREEAM.

CO_2 Auto Operation

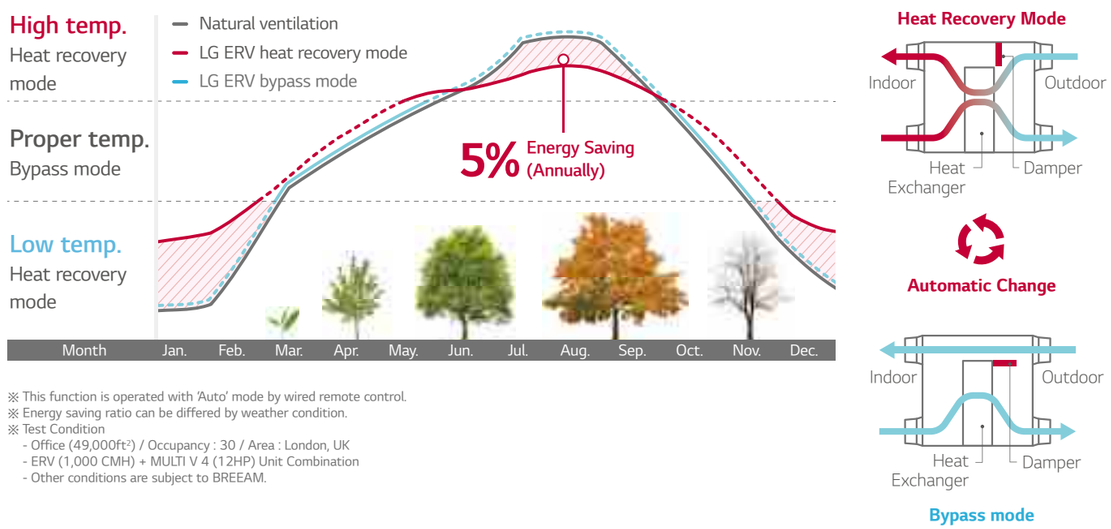
LG ERV reduces energy loss with auto fan speed control following CO_2 level



※ 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 4 (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 4 (12HP) Unit Combination
- Other conditions are subject to BREEAM.

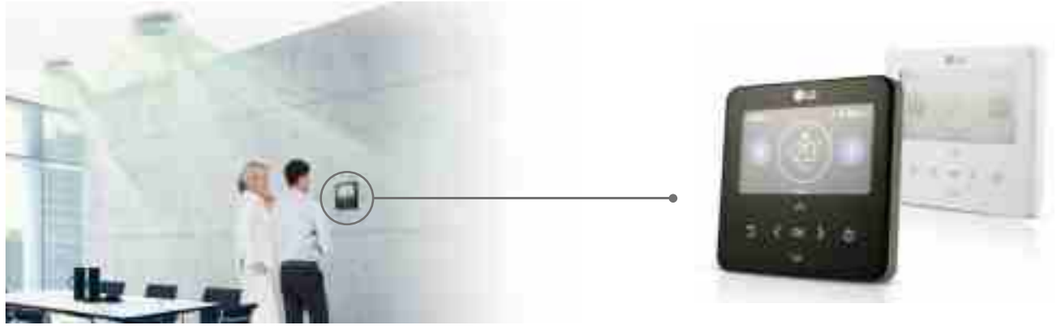
ERV

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.

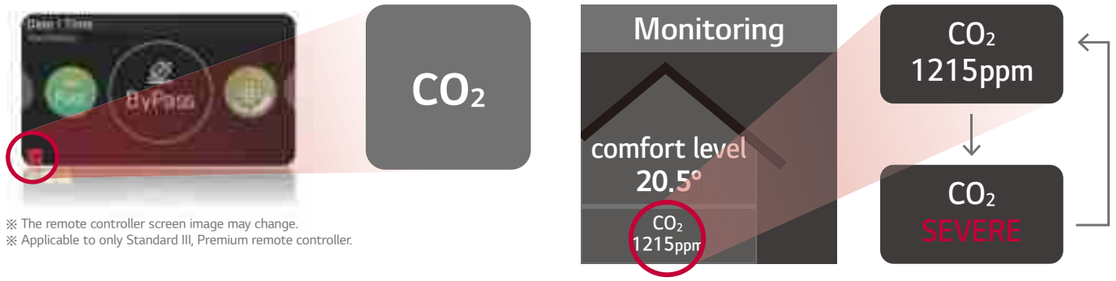


Main Display

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

Further Information

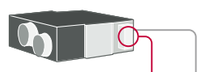
CO_2 level and room condition are displayed continuously.



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

CO_2 Concentration Control

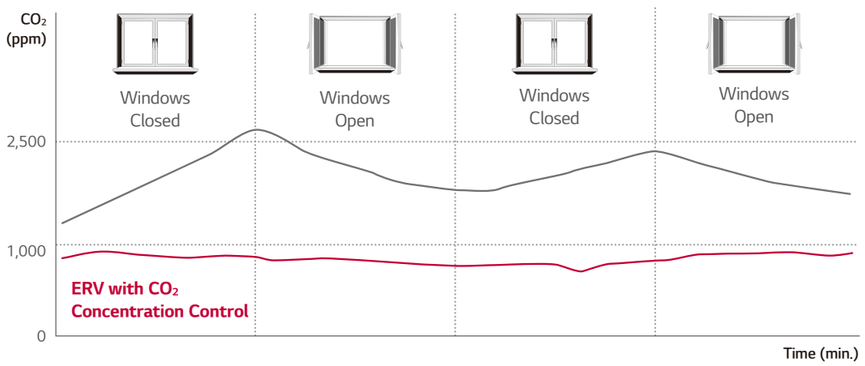
Using CO_2 sensor, LG ERV controls exhaust air flow automatically to keep indoor air fresh under settled CO_2 concentration.



CO_2 Sensor
(AHCS 100H0)
(Internal type : Default)

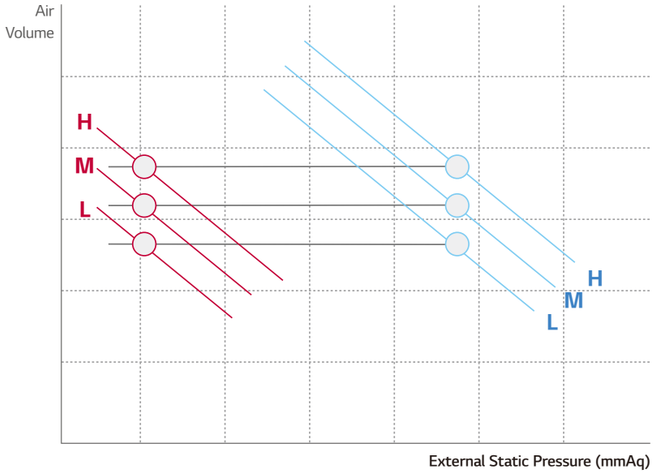


RS3 Remote
Controller



External Static Pressure Control

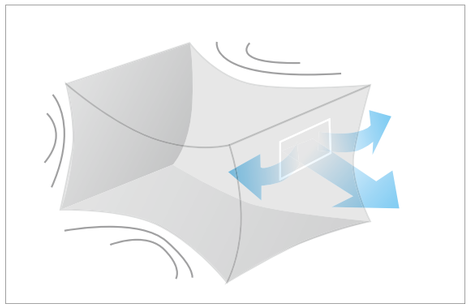
The high static pressure fan can control the air volume depending on the length of the duct. It is also easy to control the pressure level by using the remote controller for a more flexible duct installation and easier testing.



Fast Ventilation Mode

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

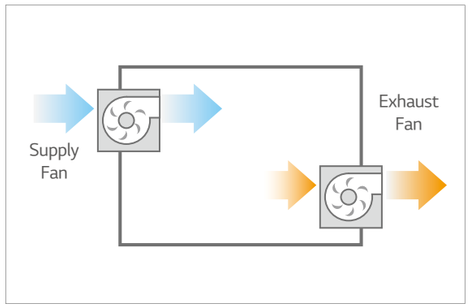
Only Exhausting



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

Exhausting and
Supplying
Simultaneously

Fast Ventilation Mode

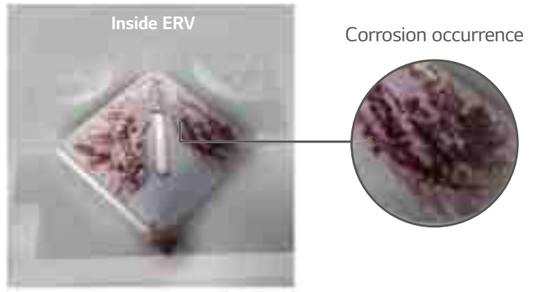


ERV

High Durability

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

Others



LG ERV



Corrosion protection coating + Finish insulator

Heat exchanger and filter



Heat exchanger



Group Control

One wired remote control up to sixteen ERV (Including air conditioning) you can reduce the remote installation costs and enjoy good looking interior wall effect.

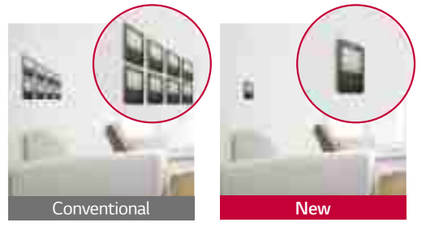
Several units combination

16 units group control is available with 1 remote controller.



※ 16 units (Including ERV, air conditioner) + 1 remote controller

Good looking interior



Controller & installation cost saving



Easy Controller

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

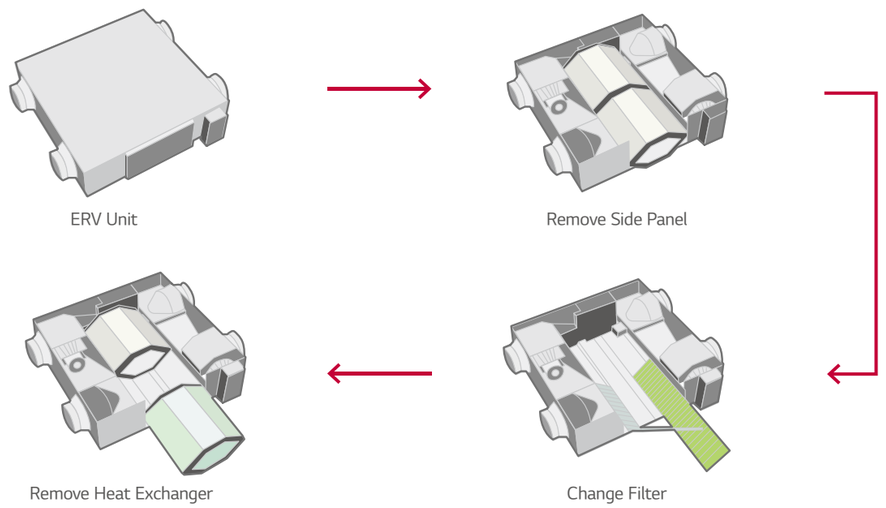


Visible

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

Easy Cleaning and Filter Change

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



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	1,014 x 273 x 988	1,014 x 273 x 988	1,014 x 273 x 988
Duct Work*		Qty	EA	4		
		Size (Ø)	mm	Ø200		
Supply Air Fan		Qty	EA	1		
		Type	-	Direct-Drive (Sirocco Fan)		
Exhaust Air Fan		Qty	EA	1		
		Type	-	Direct-Drive (Sirocco Fan)		
Filters (Default)		Qty	EA	2		2
		Type	-	Cleanable fibrous fleeces		
		Size (W x H x D)	mm	855 x 10 x 160		855 x 6 x 230
Filters (Optional)		Model	-	AHFT035H0		AHFT050H0
		Qty	EA	2		2
		Type	-	F7		F7
		Size (W x H x D)	mm	423.5 x 132 x 25		425 x 194 x 25
Dry Contact				PDRYCB000		

Note : 1. ERV mode : Total Heat Recovery Ventilation mode
2. * : Refer to dimensional drawings.
3. Noise level : - The operating conditions are assumed to be standard.
- Sound measured at 1.5m below the center the body.
- Sound level will vary depending on a range of factors such as the construction(Acoustic absorption coefficient) of particular room in which the equipment is installed.
- The sound level at the air discharge port is about 8 dB(A) higher than the unit's operating sound.
4. Temperature and Enthalpy Exchange Efficiency at cooling Indoor Temperature : 26.5°C DB, 64.5% RH, Outdoor Temperature : 34.5°C DB, 75% RH
5. Temperature and Enthalpy Exchange Efficiency at heating Indoor Temperature : 20.5°C DB, 59.5% RH, Outdoor Temperature : 5°C DB, 65% RH
6. Temperature Exchange efficiency is tested at heating condition.
7. F7 Filter is 2 pieces in 1 filter package.

Premium	Standard III		Standard II		CO_2 Sensor
					
PREMTA000 PREMTA000A PREMTA000B	PREMTB100	PREMTBB10	PREMTBB01	PREMTB001	AHCS100H0 (Internal Type)

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	-	AHFT100H0			
		Qty	EA	2		4	
		Type	-	F7			
		Size (W x H x D)	mm	520 x 192 x 25			
Dry Contact				PDRYCB000			

Note : 1. ERV mode : Total Heat Recovery Ventilation mode
2. * : Refer to dimensional drawings.
3. Noise level : - The operating conditions are assumed to be standard.
- Sound measured at 1.5m below the center the body.
- Sound level will vary depending on a range of factors such as the construction(Acoustic absorption coefficient) of particular room in which the equipment is installed.
- The sound level at the air discharge port is about 8 dB(A) higher than the unit's operating sound.
4. Temperature and Enthalpy Exchange Efficiency at cooling Indoor Temperature : 26.5°C DB, 64.5% RH, Outdoor Temperature : 34.5°C DB, 75% RH
5. Temperature and Enthalpy Exchange Efficiency at heating Indoor Temperature : 20.5°C DB, 59.5% RH, Outdoor Temperature : 5°C DB, 65% RH
6. Temperature Exchange efficiency is tested at heating condition.
7. F7 Filter is 2 pieces in 1 filter package.

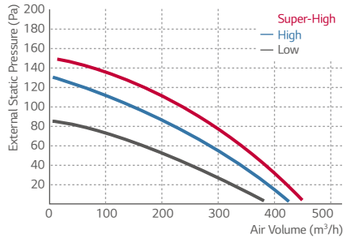
Premium	Standard III		Standard II		CO_2 Sensor
					
PREMTA000 PREMTA000A PREMTA000B	PREMTB100	PREMTBB10	PREMTBB01	PREMTB001	AHCS100H0 (Internal Type : Default)

ERV

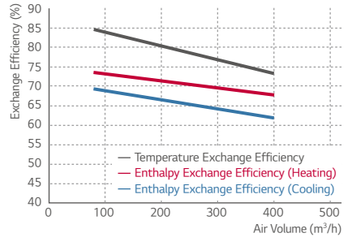
LZ-H025GBA4



Ventilation



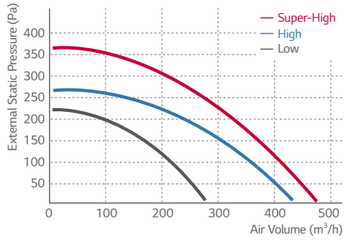
Efficiency



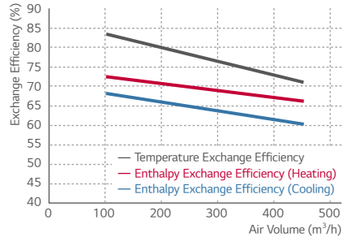
LZ-H035GBA4



Ventilation



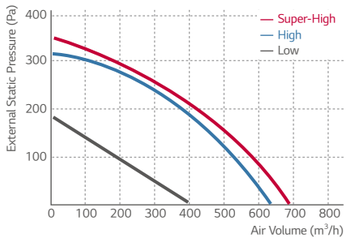
Efficiency



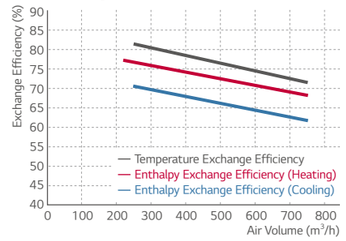
LZ-H050GBA4



Ventilation



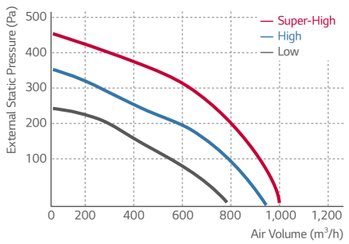
Efficiency



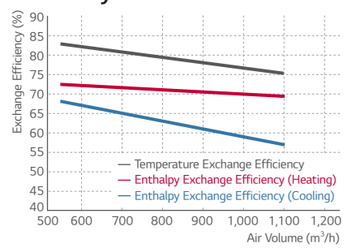
LZ-H080GBA4



Ventilation



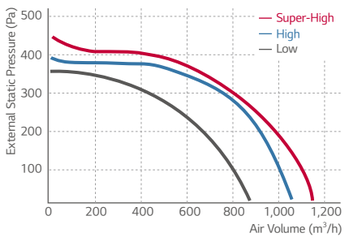
Efficiency



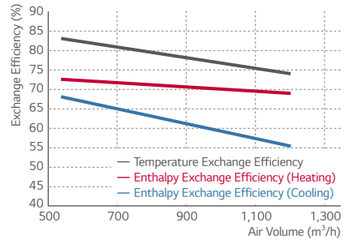
LZ-H100GBA4



Ventilation



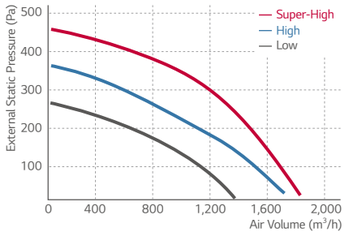
Efficiency



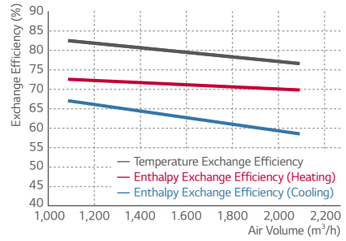
LZ-H150GBA4



Ventilation



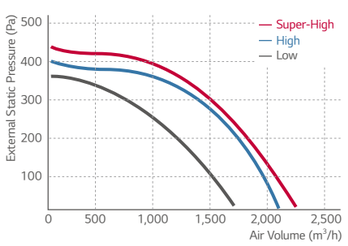
Efficiency



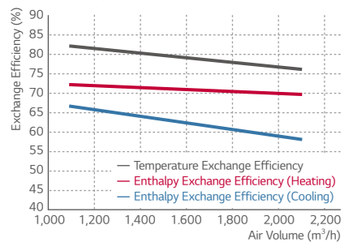
LZ-H200GBA4



Ventilation



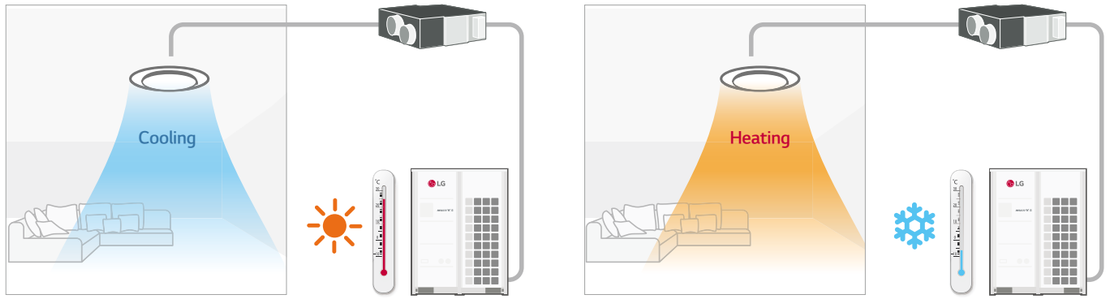
Efficiency



ERV WITH DX COIL

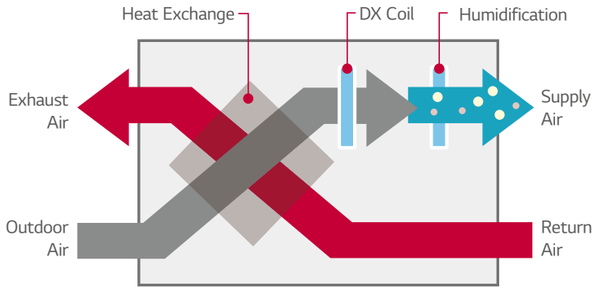
Providing Cool & Warm Fresh Air

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.



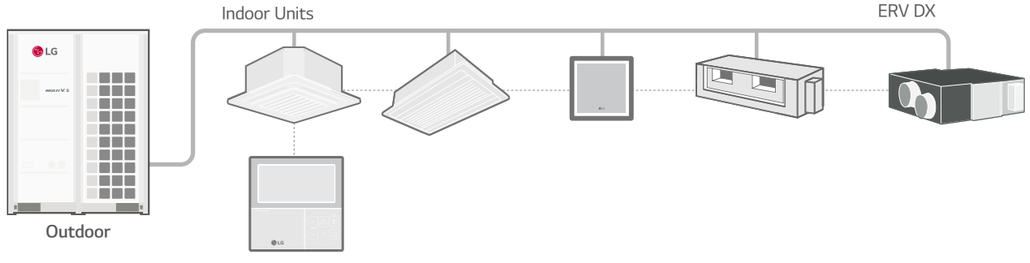
Total Air Conditioning Solution

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 WITH DX COIL

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



Model			LZ-H050GXH4	LZ-H080GXH4	LZ-H100GXH4	LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Fresh Air Conditioning Load	Cooling	kW	4.93	7.46	9.12	4.93	7.46	9.12
	Heating	kW	6.73	9.80	11.72	6.73	9.80	11.72
Temperature Exchange Efficiency	SH / H / L	%	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78
Enthalpy Exchange Efficiency	Cooling (SH / H / L)	%	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50
	Heating (SH / H / L)	%	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66
Operation Range	Outdoor air Temperature	°C	-15 ~ 45	-15 ~ 45	-15 ~ 45	-15 ~ 45	-15 ~ 45	-15 ~ 45
Air Flow Rate	Heat Exchange Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
	Bypass Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
Fan	External Static Pressure (SH / H / L)	Pa	160 / 120 / 100	140 / 90 / 70	110 / 70 / 60	180 / 150 / 110	170 / 120 / 80	150 / 100 / 70
Humidifier	System		Natural Evaporating Type			-		
	Amount	kg/h	2.70	4.00	5.40	-		
	Pressure Feed Water	Mpa	0.02 ~ 0.49			-		
Sound Pressure	Heat Exchange Mode (SH / H / L)	dB(A)	38 / 36 / 33	39 / 37 / 34	40 / 38 / 35	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
	Bypass Mode (SH / H / L)	dB(A)	39 / 37 / 34	40 / 38 / 35	40 / 38 / 35	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
Refrigerant			R410A					
Power Supply		Ø, V, Hz	1, 220 ~ 240, 50 / 60					
Power Input (Nominal)	Heat Exchange Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27
	Bypass Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27
Nominal Running Current (RLA)	Heat Exchange Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
	Bypass Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3
Heat exchange system			Air to air cross flow total heat (sensible + latent heat) exchange			Air to air cross flow total heat (sensible + latent heat) exchange		
Heat exchange element			Specially processed non-flammable paper			Specially processed non-flammable paper		
Air Filter			Multidirectional fibrous fleeces			Multidirectional fibrous fleeces		
Dimensions	W x H x D	mm	1,667 x 365 x 1,140			1,667 x 365 x 1,140		
Net Weight		kg	105			98		
Piping Connection	Liquid	mm	Ø6.35			Ø6.35		
	Gas	mm	Ø12.7			Ø12.7		
	Water	mm	Ø6.35			-		
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25.4			Ø25.4		
Connection Duct Diameter		mm	Ø250			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-H050GXH4	LZ-H080GXH4	LZ-H100GXH4	LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Drain Pump	-					
Cassette Cover	-					
Refrigerant Leakage Detector	PRLDNVS0					
EEV Kit	-					
Independent Power Module	-					
Robot Cleaner	-					
Pre Filter (Washable / Anti-fungus)	-					
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

HOT WATER SOLUTION

• HYDRO KIT



HYDRO KIT

HYDRO KIT Features

Features & Benefits

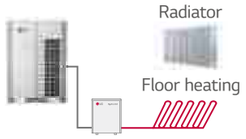
- Lower operation cost compared to fossil fuel-based systems such as boilers.
- More energy saving through MULTI V Heat Recovery system.

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.

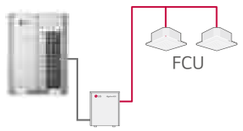


Radiant Heating / Cooling



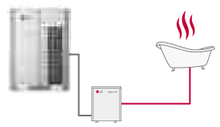


Fan Coil Unit Heating / Cooling

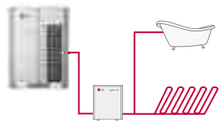




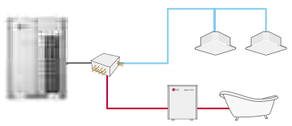
Hot water / Cooled Water



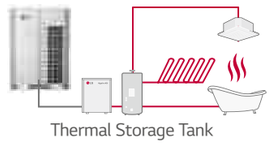
Combination



Hot water+ Radiant heating



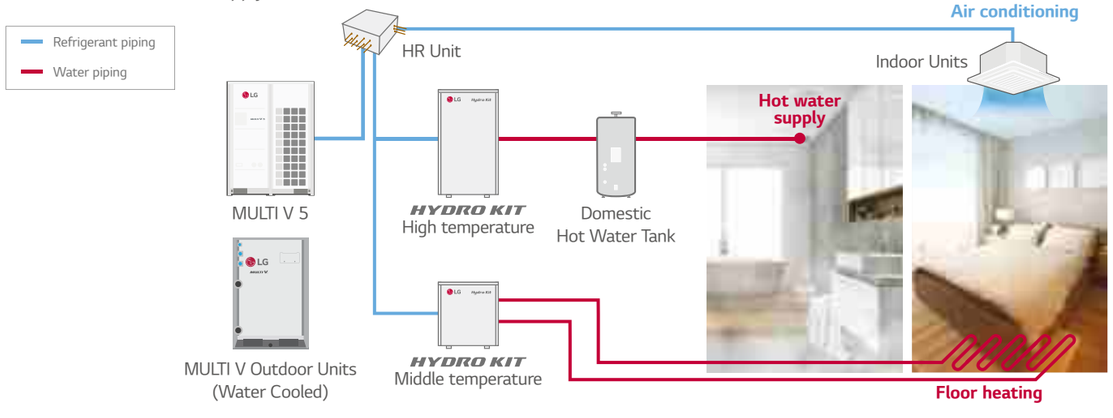
HR unit (Cooling & Hot water)



Thermal Storage System

System Diagram

Providing a total solution by heat pump, air conditioning (Cooling by refrigerant & chilled water, Heating by refrigerant & hot water) and domestic hot water supply.



Eco-friendly Green Energy Solution

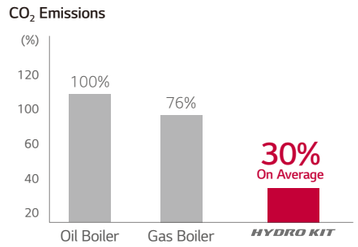
Green energy solution through the reduction of CO_2 emmisions.



Conventional System



HYDRO KIT



Cost Saving with High Efficiency

Lower operation cost due to high efficiency enables customer to install with equivalent levels of capital cost as a boiler system and minimize energy bills.

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)

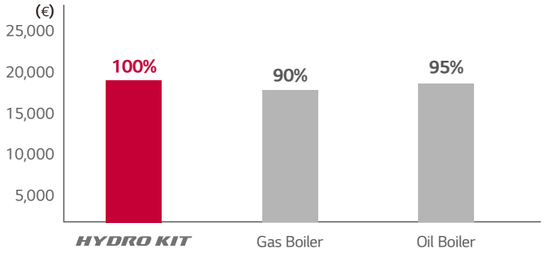
3rd Proposal MULTI V 5 Air-Conditioning + Oil Boiler

(Hot Water Supply + Floor Heating)

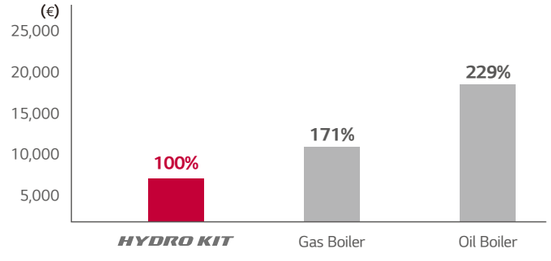
Analysis Conditions

- 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

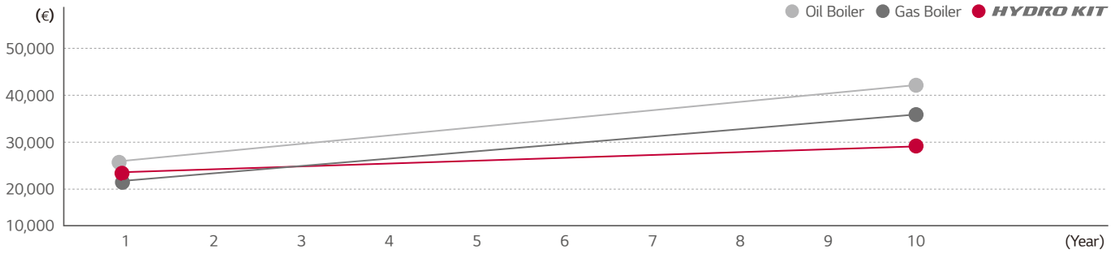
Initial Costs



Annual Operating Costs



LCC



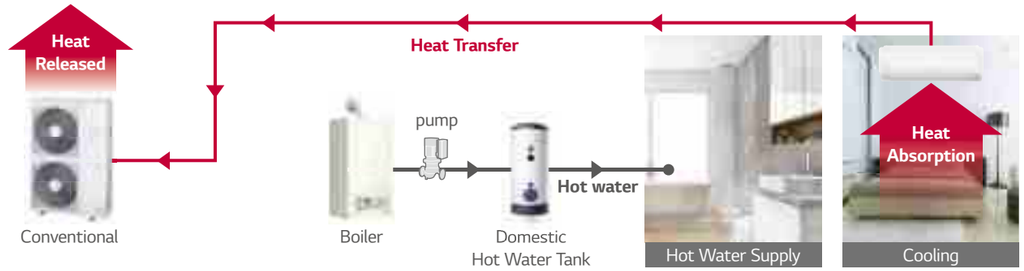
HYDRO KIT

Energy Saving through MULTI V 5 Heat Recovery

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

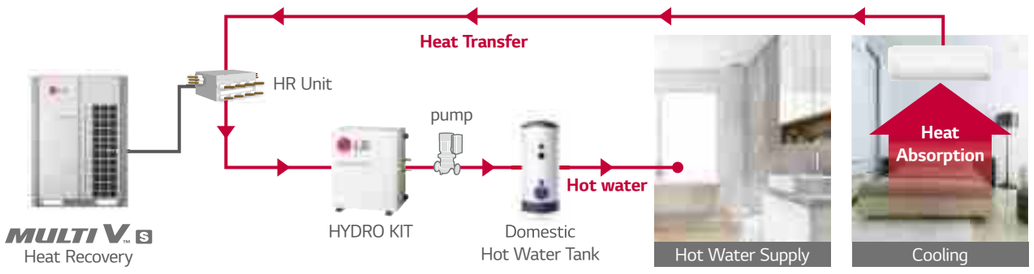
Conventional

Absorbed heat is released to outdoor air.



HYDRO KIT

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



High Temperature Concept of HYDRO KIT

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

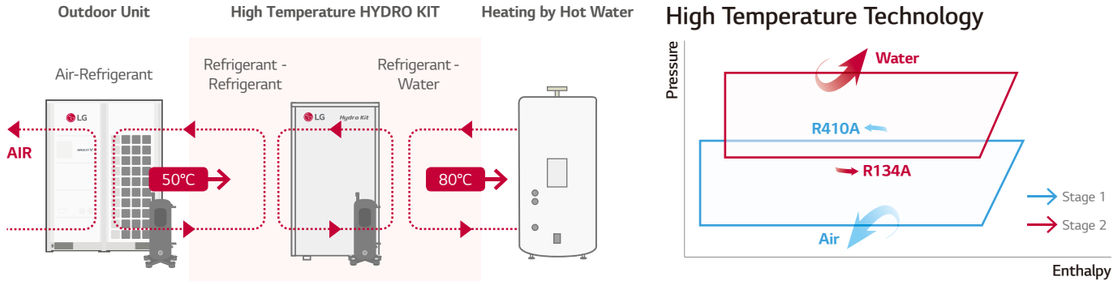
Dual Inverter Cascade Cycle Technology

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

High Volume of Hot Water

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

High Temperature HYDRO KIT Cycle Diagram



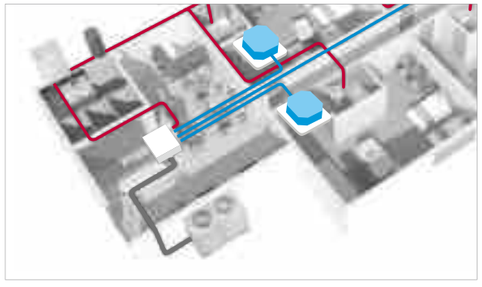
Various Applications

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



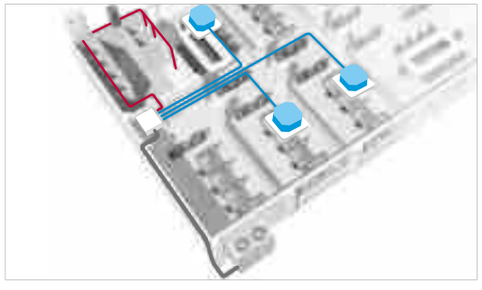
Hotel Application

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



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
Capacity (Rated)		Heating	kW	13.8	31.5
			Btu/h	47,000	107,500
Input (Rated)		Heating	kW	0.01	0.01
Dimensions	Net	Body (W x H x D)	mm	520 x 631 x 330	520 x 631 x 330
Weight	Net	Body	kg (lbs)	30.5 (67.2)	35.0 (77.2)
Water Tank Temperature Sensor		Type (Sensor Holder)	inch	Male PT 1/2	Male PT 1/2
		Length	m	12	12
Pipe Connections	Water Side	Inlet	inch	Male PT 1	Male PT 1
		Outlet	inch	Male PT 1	Male PT 1
	Refrigerant Side	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
		Gas	mm (inch)	Ø15.88 (5/8)	Ø22.2 (7/8)
Drain Piping Connection			inch	Male PT 1	Male PT 1
Sound Pressure Level		Heating	dB(A)	26	26
Transmission Cable			mm²	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C
Power Supply			V, Ø, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60

※ 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 5 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	○	
Robot Cleaner	-	
Pre Filter (Washable / Anti-fungus)	-	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact) PDRYCB320 (Universal input)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200	

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

ARNH04GK3A4/ ARNH08GK3A4



Model			Unit	ARNH04GK3A4	ARNH08GK3A4
Capacity (Rated)		Heating	kW	13.8	25.2
			Btu/h	47,000	86,000
Input (Rated)		Heating	kW	2.30	5.00
Dimensions	Net	Body (W x H x D)	mm	520 x 1,074 x 330	520 x 1,074 x 330
Weight	Net	Body	kg (lbs)	86.0 (189.6)	90.0 (198.4)
Water Tank Temperature Sensor		Type (Sensor Holder)	inch	Male PT 1/2	Male PT 1/2
		Length	m	12	12
Pipe Connections	Water Side	Inlet	inch	Male PT1	Male PT 1
		Outlet	inch	Male PT1	Male PT 1
	Refrigerant Side	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
		Gas	mm (inch)	Ø15.88 (5/8)	Ø19.05 (3/4)
Drain Piping Connection			inch	Male PT1	Male PT 1
Sound Pressure Level		Heating	dB(A)	44	46
Transmission Cable			mm²	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Power Supply			V, Ø, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60

※ 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 5 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 / Anti-fungus)	-	
Ion Generator	-	
CO_2 Sensor	-	
Ventilation Kit	-	
IR Receiver	-	
Zone Controller	-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact) PDRYCB320 (Universal input)	
External Input (1 point)	○	
Wi-Fi	PWFMDD200	

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

CONTROL SOLUTIONS

- INDIVIDUAL CONTROL
- CENTRALIZED CONTROL
- INTEGRATION DEVICE



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



PWLSSB21H (H/P)
PWLSSB21C (C/O)

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 Gateway

Platform

ACP 5



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

AC Manager 5



PACM5A000
(Indoor Unit ~8,192)

Gateway

ACP LonWorks



PLNWKB000
(Indoor Unit ~64)

Modbus RTU Gateway



PMBUSB00A

PI-485



For Indoor Unit (ERV)
PHNFP14A0

CENTRALIZED CONTROL

Facility Integrator

PDI
(Power Distribution Indicator)



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

ACS IO Module
(Input / Output Module)



PEXPMB000

Chiller Option Kit



PCHLLN000

ACU IO Module



UIO
PEXPMB300



UO
PEXPMB200



UI
PEXPMB100

INTEGRATION DEVICE

Indoor Units

Dry Contact



Simple Dry Contact
PDRYCB000



Dry contact for Thermostat
(For using universal input)
PDRYCB320



2 Points Dry Contact
(For Setback)
PDRYCB400



For Modbus
PDRYCB500

Control Accessory

Group Control Wire



PZCWRCG3

Remote Temperature Sensor



PQRSTA0

Zone Controller



4 Zones by
thermostat ABZCA

Outdoor Units

IO Module
(Input / Output Module)



For MULTI V 5
PVDSMN000

Variable Water Flow
Control kit



For MULTI V WATER IV
PWFCKN000

Low Ambient Kit



For MULTI V IV, 5
PRVC2

Cool / Heat Selector



PRDSBM

Water
Communication Module



PAHCMW000

AHU Kit

Communication Kit



Return / Room Air control
PAHCMR000



Discharge / Supply Air control
PAHCMS000

Controller Module



Main Module
PAHCMM000



Communication Module
PAHCMC000

Control kit



PAHCNM000
(Max. 3 Outdoor Units)

EEV Kit



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



PRLK396A0 (~ 112 kW)



PRLK594A0 (~ 168 kW)

Note
1. AC Smart 5 & ACP 5 provides BACnet IP / Modbus TCP. 2. KNX Gateway is provided by INTESIS.

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 controlling 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





Integration Solution

reddot award
User Interface Design

OFFICE

Central Control Solution



3rd Party BMS





Cloud System

- Energy Management



- External Device

Lighting | Pump | Fan | CO_2 Sensor | Temp. Sensor

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 Modem
		Premium	Standard III	Standard II	Simple	Simple (Hotel)		
Model Name								
		PREMTA000 PREMTA000A PREMTA000B	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01	PQRCVCL0Q PQRCVCL0QW	PQRCHCA0Q PQRCHCA0QW	PWLSSB21H (H/P) PWLSSB21C (C/O)	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	○	○	○	-	-	○	-
	Humidity Display	○	○	-	-	-	-	-
	Advanced Lock (Mode, Set point, Set point range, On / Off Lock)	Advanced Lock	Advanced Lock	-	-	-	-	-
	Filter Sign	○	○	○	-	-	-	-
	Energy Management [2]	○	○	○	-	-	-	-
	Dual Set Point	○	○	-	-	-	-	-
	Human Detection	-	○	-	-	-	-	-
	Temperature / Humidity Compensation	○	○	-	-	-	-	-
	Wi-Fi AP Mode Setting	○	○	○	○	○	○	-
ETC	Operation Status LED	○	○	○	○	○	-	-
	Wireless Remote Controller Receiver	○ [3]	-	○ [3]	○ [3]	○ [3]	-	-
	Display	5 inch Color	4.3 inch Color	4.3 inch mono	2.6 inch mono	2.6 inch mono	2 inch mono	-
	Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	120 x 121 x 16	70 x 121 x 16	70 x 121 x 16	51 x 153 x 26	48 x 68 x 14
	Black 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)

INDIVIDUAL CONTROL

Standard III Wired Remote Controller

Features & Benefit

4.3 inch Color screen with a modern design.



PREMTB100 (White)



PREMTBB10 (Black)

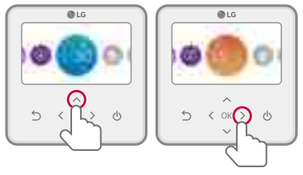
- The optimized controller for MULTI V 5
  - Humidity sensor embedded
  - Comfort cooling setting
  - Smart Load Control setting
  - Outdoor unit low noise setting
  - Defrost mode setting
- New modern design & easy interface
  - Seamless design / Touch button
  - 4.3 inch color LCD / Intuitive GUI
- 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…etc)
- 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)

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.



Touch Button





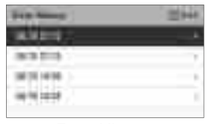
Cool Heat Dry Fan Auto



Comfort Level



Energy Contents



Error History

Energy Saving Function

Energy Management

- Energy Monitoring & Alarm
  Real-time and day / week / month / year energy usage monitoring is possible. In addition, it can set target for energy usage and operation time, and alarm will be displayed when exceeded.
  ※ PDI (PQNUD1S40 / PPWRDB000) is required.



Instantaneous Power Check



Energy Usage Target Setting

Time Limit Control

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





2 Set Points Control

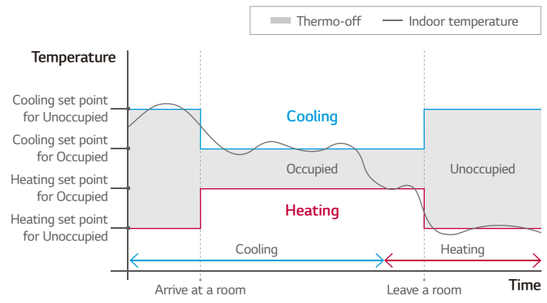
Auto Changeover (Convenience)

- The indoor unit automatically manages room temperature with heating and cooling with extended setting temperature ranges. With setting heating and cooling set temp. just one time, comfortable condition will continue at all times.

Setback (Home Leave) (Energy saving & Comfort)

- In the absence, room temperature can be kept in the range of 2 set points instead of power off. It provides comfortable indoor environment quickly 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 on or off the external equipment through contact point output.



Customized Interlocking Control
User can make control scenario. For example when temperature is under 10 degree, turn on the external heater.

Schedule Function



Easy Checking Schedule
Standard III remote controller provides clock type daily schedule.



Exception Day Settings
Possible to set up exceptional date on regular schedule.

INDIVIDUAL CONTROL

Premium Wired Remote Controller

Features & Benefit

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

- Full Touch screen
- The Optimized Controller in 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)

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 MULT V Heat Recovery and Single Split Heat Pump. But in case of MULTI V Heat Pump, It may not work properly.





Easy Energy Management

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



Easy Scheduling

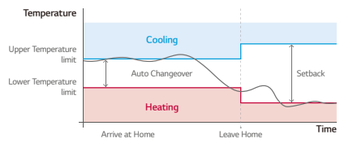
- Daily, Weekly, Yearly schedule function
- Schedule pattern setting
- Schedule copy



2 Set points Control

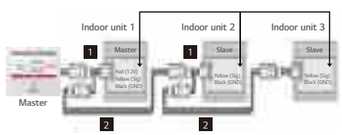
- Auto changeover switching the operation mode automatically
- Setback (Home Leave) Changing status by occupied / unoccupied

※ 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

Features & Benefit

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



PREMTB001 (White)



PREMTBB01 (Black)

- Wired remote controller that can implement various functions such as schedule, filter sign.

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 121 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

Features & Benefit

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



PQRCVCL0QW (White) / PQRCVCL0Q (Black)



PQRCHCA0QW (White) / PQRCHCA0Q (Black)

- 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

Features & Benefit



PWLSSB21H (H/P)
PWLSSB21C (C/O)

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

Model Name	PWLSSB21H (H/P) / PWLSSB21C (C/O)
On / Off	○
Fan Speed Control	○[1]
Temperature Setting	○
Mode 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 x 153 x 26

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

INDIVIDUAL CONTROL

LG Wi-Fi Modem

Features & Benefit

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



PWFMDD200

- Access LG air conditioner anytime and from anywhere with Wi-Fi equipped device.
  It is possible to check whether the air conditioner is turned off when the user goes out (energy saving), and can be operated in advance before entering the house (comfort improvement).
- 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

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)

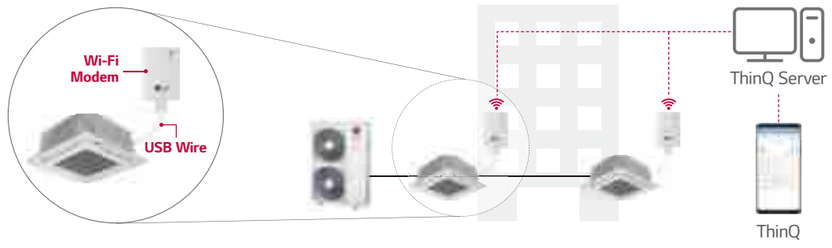
1) Vane Control may not be possible according to the type of Indoor unit.
2) LG Centralized controller and PDI installation is required for this function.
3) For the compatibility with Indoor unit, please contact regional LG office.
Note : 1. Functionality may be different according to each IDU model.
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.



Download on the App Store

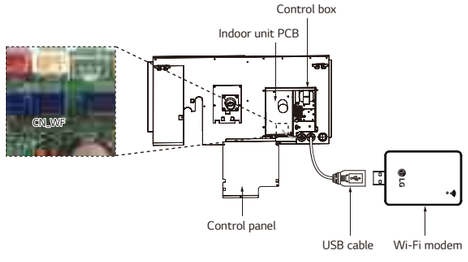
GET IT ON Google Play

Overview



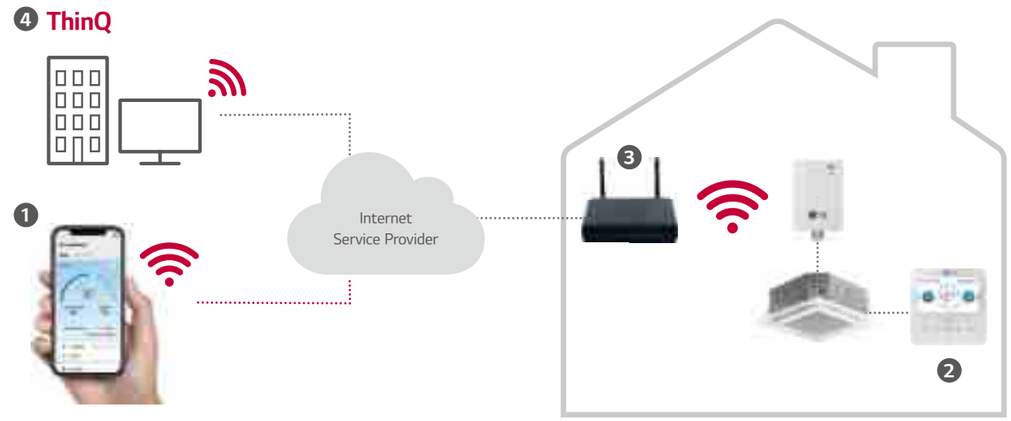
※ Search "ThinQ" on Google market or Appstore then download the app. ※ Internet service with Wi-Fi connection has to be available.

Installation Scene



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

Connected Diagram



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

* 5GHz networks may not be supported.

ThinQ Mobile App

Simple operation for various functions

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



Vane Control



Air Purify



Easy Management

Reservation



Energy Monitoring



Smart Diagnosis



Filter Management



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

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	PACS5A000	PACP5A000	PLNWKB000	PACM5A000
Product	DO		-	-	2	4	2	-
	DI		-	1	2	10	2	-
	Max. Connectable No.	Air Condotioner	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]	○
	Dual Setpoint		-	○	○	○	○ [4]	○
	Change Alarm		-	Filter	Filter	Filter	Filter	Filter
	Indoor Unit Lock		-	○	○	○	○ [4]	-
	Cycle Monitoring		-	-	○	○	○ [4]	○
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]	-
	Save to 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		-	-	-	-	○ [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.

CENTRALIZED CONTROL

AC EZ Touch

Features & Benefit

Smart management with 5 inch touch screen for small site.



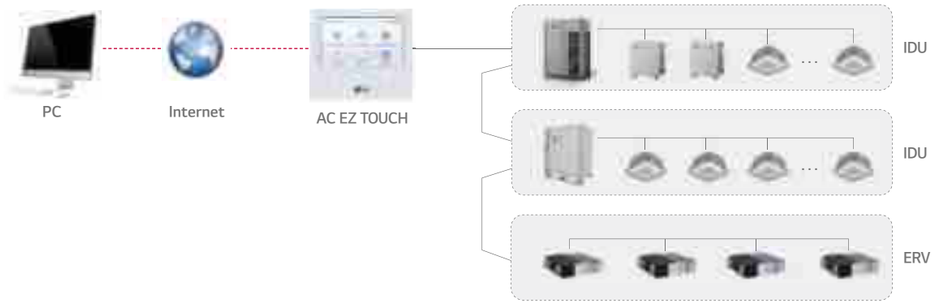
PACEZA000

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

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

Overview



Feature

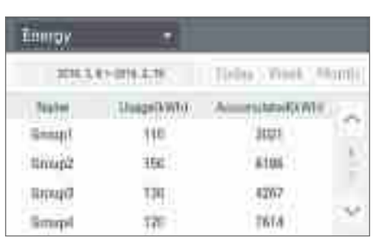
PC Access

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.



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 'on' mode indoor unit)



Alarm Indicator

It works when there are some errors or it's time to change the filter. Users can respond immediately according to alarm indicator therefore HVAC system is monitored consistently.



Schedule

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



Group / Individual Control

According to the situation, it can be controlled by group or each indoor unit. It is useful to monitor or control for the best fit of request.



AC EZ

Features & Benefit

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

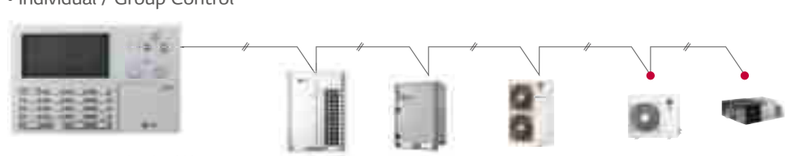


PQCSZ250S0

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

Model Name	PQCSZ250S0
Size (W x H x D, mm)	190 x 120 x 20
Interfaceable Products	MULTI V / ERV / ERV DX
Display	LED / LCD Display
Power	DC 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



- Appropriate PI 485 should be used according to PDB

- MULTI V 5
- MULTI V IV
- MULTI V III
- MULTI V II

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

- MULTI V S

- MULTI SPLIT
- SINGLE SPLIT

- ERV

CENTRALIZED CONTROL

AC SMART 5

Features & Benefit

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



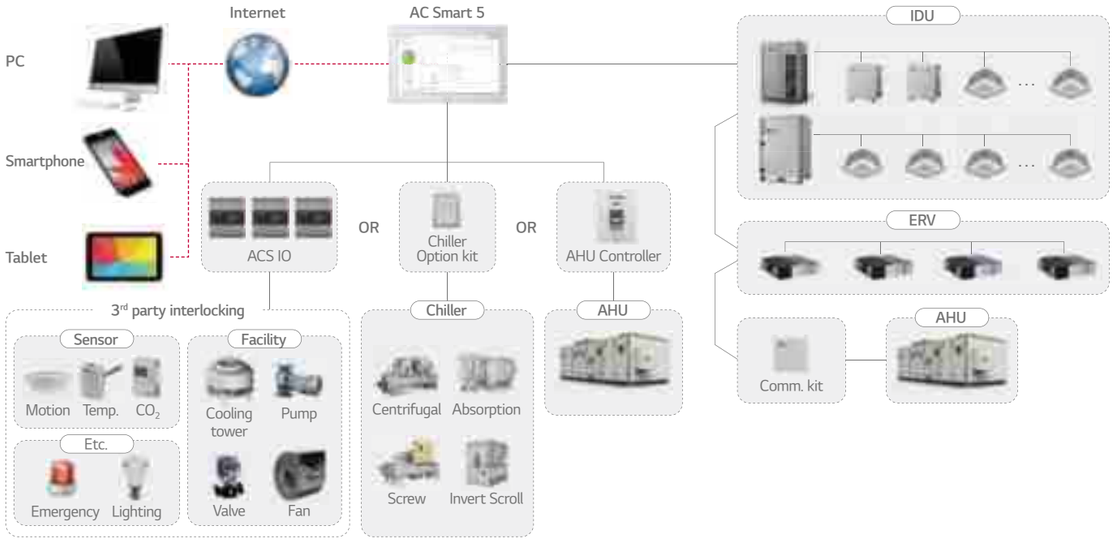
PACS5A000

- 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

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.

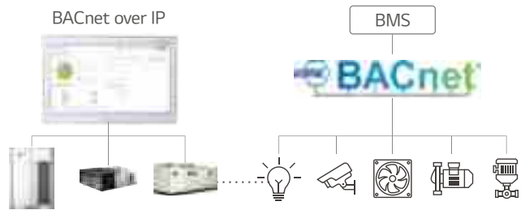
Overview



Feature

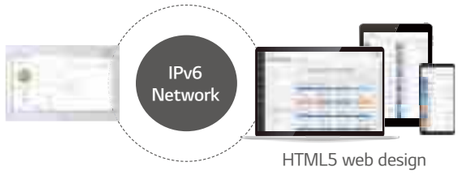
BMS Integration

Without additional device, AC Smart 5 provides BACnet IP / Modbus TCP interface for BMS (Building Management System) 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 / Operation Trend

Energy navigation function allows air conditioners operation to be managed under the monthly (Weekly / Yearly) plan of energy usage. By analyzing present energy consumption and comparing with the plan, overuse of system operational costs can be prevented.



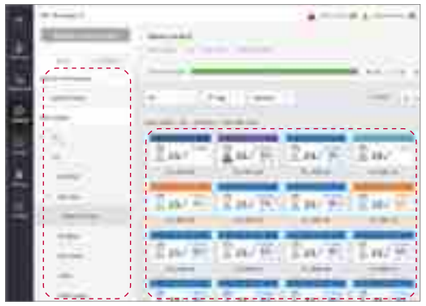
Visualized Control

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



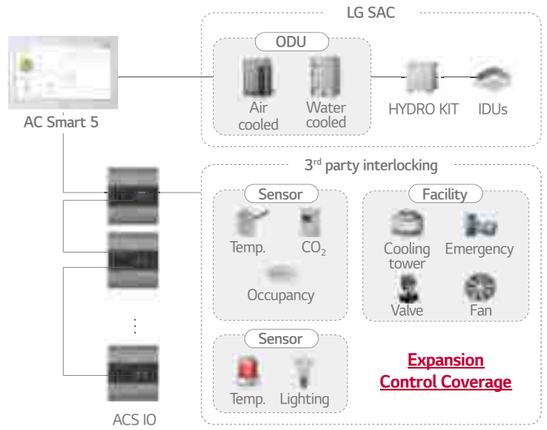
Multi Level Group Composition

You can freely apply layer structure such as building, floor, zone, etc. and set the group as the same as the site composition to control and monitor the devices.
Special control group You can additionally compose frequently used groups such as VIP Room, executive room, etc. regardless of the building structure.



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…)



CENTRALIZED CONTROL

ACP 5

Features & Benefit

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.



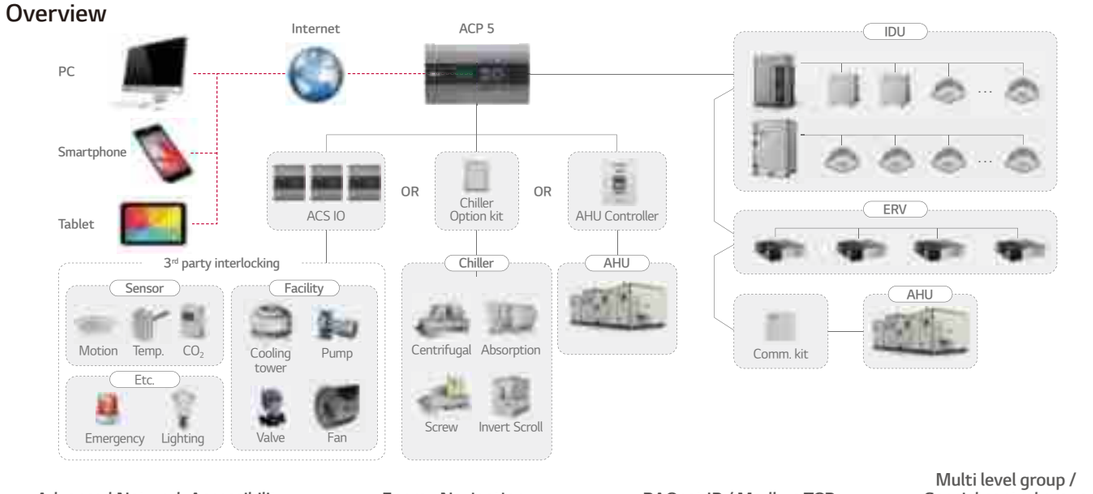
PACP5A000

- The central controller allows control of the LG HVAC system to 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

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	○
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 10 / DO 4
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



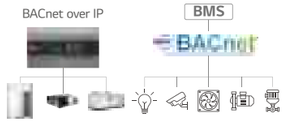
Advanced Network Accessibility



Energy Navigation



BACnet IP / Modbus TCP



Multi level group / Special control group



ACP LonWorks Gateway

Features & Benefit

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.



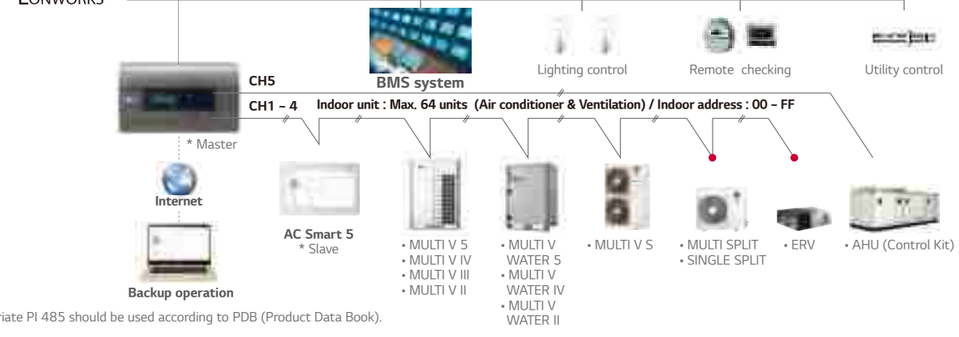
PLNWKB000

- 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 interne. (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



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

PI 485

Features & Benefit

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



PHNFP14A0

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

CENTRALIZED CONTROL

AC Manager 5

Features & Benefit

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



reddot award

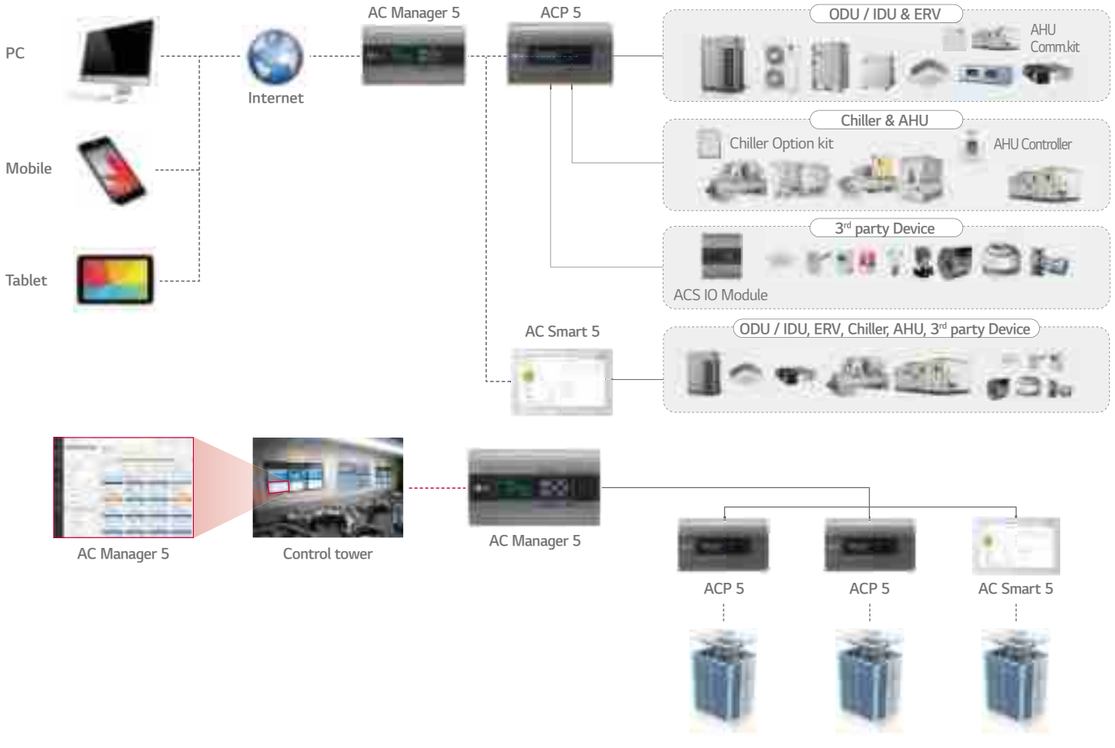
PACM5A000

- Consol 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)

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



Feature

Stand-alone
Integrated with S/W program and H/W 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.

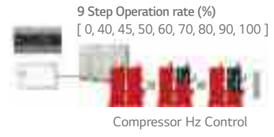


Peak Control
This function can reduce electricity use. There are two kinds of control logic. Energy saving effect by indoor unit operation rate control. Load management effect by outdoor unit capacity control.

Operation ratio (IDUs) Control



ODU Capacity Control



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.



reddot award

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.



Multi Level Group Composition
You can freely apply layer structure such as building, floor, zone, etc. and set the group as the same as the site composition to control and monitor the devices. Special control group You can additionally compose frequently used groups such as VIP Room, executive room, etc. regardless of the building structure.



CENTRALIZED CONTROL

Modbus RTU Gateway

Features & Benefit

Providing Modbus RTU connection between LG Air conditioners and BMS.



PMBUSB00A

• Function
- MODBUS RTU communication with MODBUS master controller
- MODBUS RTU slave (RS485) / 9,600 bps
- Applicable for MULTI V 5, 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

Coil Register (0 x 01)

① No.	Data Bit			Function	Register
	Air Conditioner	ERV / DX ERV	HYDRO KIT & THERMA V		
1	Operate (On / Off)	Operate (On / Off)	Operate (On / Off)	0 : Stop / 1 : Run	Register = N x 16 + ① (N = Indoor Unit Central Address)
2	Auto Swing	Air conditioner 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)

① No.	Data Bit			Function	Register
	Air Conditioner	ERV / DX ERV	HYDRO KIT & THERMA V		
10001	Connected IDU	Connected IDU	Connected IDU	0 : Disconnected / 1 : Connected	Register = N x 16 + ① (N = Indoor Unit Central Address)
10002	Alarm	Alarm	Alarm	0 : Normal / 1 : Alarm	
10003	Filter Alarm	Filter Alarm 1)	Hot Water Only 2)	0 : Normal / 1 : Alarm HYDRO KIT – 0 : Normal / 1 : Hot Water Only	
10004	Reserved	Reserved	Target Temp. Select	0: Air / 1 : Water	
10005	Reserved	Reserved	Error Division 2)	0 : CH type error / 1 : BC type error	

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

Holding Register (0 x 03)

① No.	Data Bit			Function	Register
	Air Conditioner	ERV / DX ERV	HYDRO KIT & THERMA V		
40001	Operate Mode	Operate Mode	Connected IDU	0 : Cooling, 1: Dehumidifying, 2 : Fan, 3 : Auto, 4: Heating HYDRO KIT (Middle Temp. DHW)/AWHP – 0 : Cooling, 3 : Auto, 4:Heating HYDRO KIT (High Temp. DHW) – 3 : Auto, 4 : Heating	Register = N x 20 + ① (N = Indoor Unit Central Address)
40002	Fan Speed	Fan Speed	Target Temp. DHW 2)	1 : Low, 2 : Mid, 3 : High, 4 : Auto	
40003	Target Temp.	Target Temp. 1)	Target Temp. 2)	16.0 ~ 30.0 [°C] x 10	
40004	Target Temp. Limit (Upper)	Target Temp. Limit 1) (Upper)	Reserved	16.0 ~ 30.0 [°C] x 10	
40005	Target Temp. Limit (Lower)	Target Temp. Limit 1) (Lower)	Reserved	16.0 ~ 30.0 [°C] x 10	
40006	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.

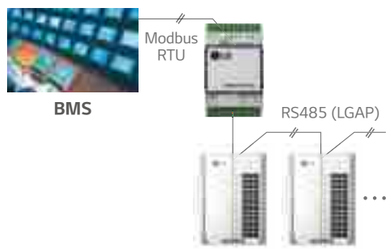
Input Register (0 x 04)

① No.	Data Bit			Function	Register
	Air Conditioner	ERV / DX ERV	HYDRO KIT & THERMA V		
30001	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)
30002	Room Temp.	RA Temp.	Room Temp.	-99.0 ~ 99.0 [°C] x 10	
30003	Pipe In Temp.	OA Temp. 1)	Water Inlet Temp.	-99.0 ~ 99.0 [°C] x 10	
30004	Pipe Out Temp.	SA Temp. 1)	Water Outlet Temp.	-99.0 ~ 99.0 [°C] x 10	
30005	Reserved	Pipe In Temp. 1)	Sanitary Tank Temp.	-99.0 ~ 99.0 [°C] x 10	
30006	Reserved	Pipe Out Temp. 1)	Solar Temp. 2)	-99.0 ~ 99.0 [°C] x 10	

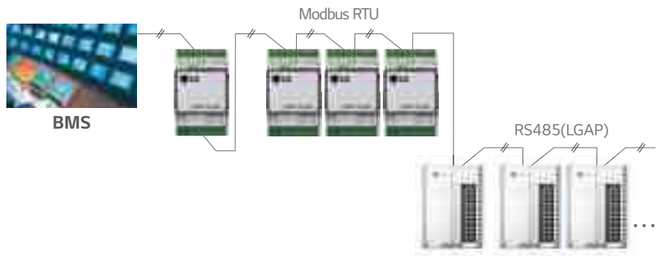
1) This register value is applied 'DX Ventilator' ONLY.
2) This register value is applied 'AWHP' ONLY.

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)

Features & Benefit

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

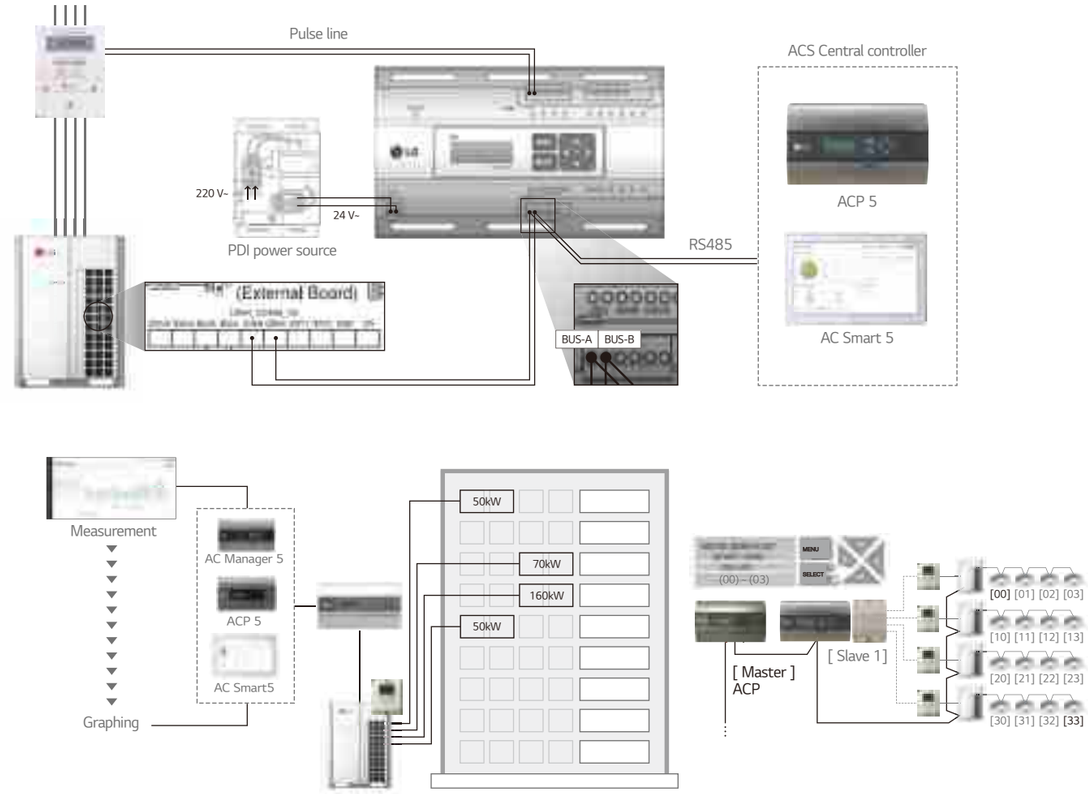


PQNUD1S40 (Premium, 8 port)
PPWRDB000 (Standard, 2 port)

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

- Total and indoor power consumption monitoring is possible.
- When connected to the LG central controller, it is possible to expand functions such as energy monitoring, energy saving operation and target usage setting.
- It is also possible to distribute gas consumption in addition to electricity.



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)

INTEGRATION DEVICE

ACS IO Module

Features & Benefit

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

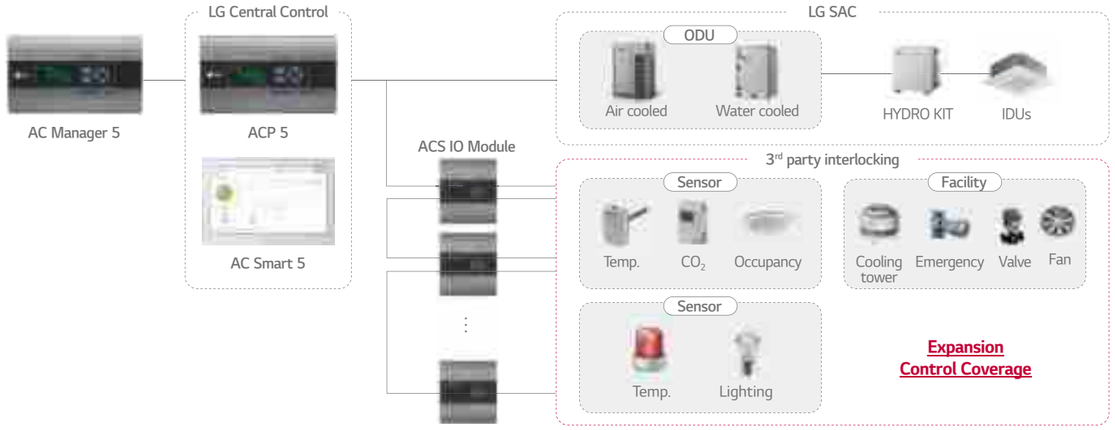
- Interlocking with 3rd party equipment LG Central controller can make operation scenario with 3rd party equipment by ACS IO Module.
- Control coverage is expanded.
  (Air conditioner only → Sensors, Fans, Pumps, Switches…)

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	0.68k Ω	177k Ω
	PT 1000	803 Ω	1,573 Ω
	Ni 1000	871.7 Ω	1,675.2 Ω
	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

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

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

Features & Benefit

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 ACU.UO ACU.UI



PEXPMB300 PEXPMB200 PEXPMB100

- Interlocking with 3rd party equipment LG Central controller can make operation scenario with 3rd party equipment by ACU IO Module.
- Control coverage is expanded.
  (Air conditioner only → Sensors, Fans, Pumps, Switches…)

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

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

※ ○ : 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.

Chiller Option kit

Features & Benefit

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

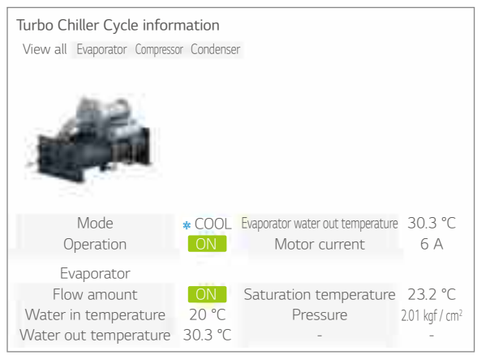


PCHLLN000

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

※ ○ : 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 proceeded 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.



INTEGRATION DEVICE

Dry Contact

Feature List

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

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

※ ○ : Applied, - : Not Applied

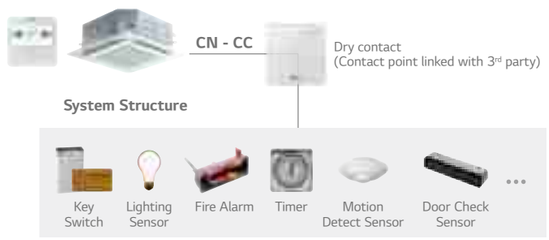
Note : 1. Compatibility of PDRYCB320
- Can use with all types of air conditioner indoor units after 2010 (Cassette, Ducted, Convertible, Applied PAC, Wall mounted, Console)
- Can use with new single package AK-W model after 2020. 1Q (The previous version Single package is not compatible)
- AWHP : 3 series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

2. Compatibility of PDRYCB400
- Can use with all types of air conditioner indoor units after 2010 (Cassette, Ducted, Convertible, Applied PAC, Wall mounted, Console)
- Can use with new single package AK-W model after 2020. 1Q (The previous version Single package is not compatible)
- Can not use with AWHP, HYDRO KIT models

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

PDRYCB000

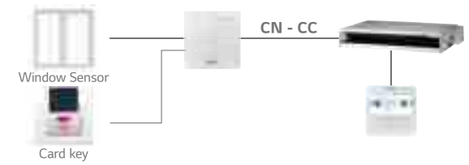




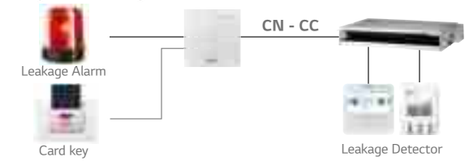
PDRYCB400



2 inputs interworking

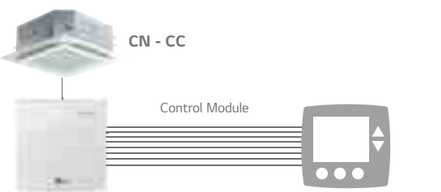


Refrigerant leakage detection alarm



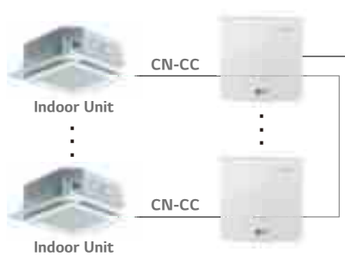
PDRYCB320



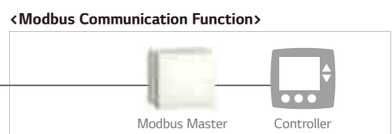


※ Please contact our regional office to have full compatible room controller list

PDRYCB500



One to one connection between dry contact and indoor unit.



Max. 16 Indoor units per one Modbus master controller.

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

INTEGRATION DEVICE

Group Control Wire

Features & Benefit

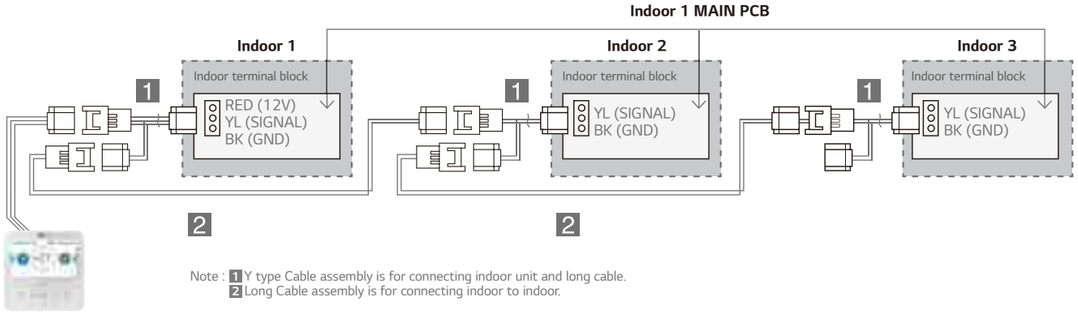
Cables used to connect a wired remote controller up to 16 indoor units.



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

※ 10m extension cable : PZCWBC1

Installation Scene



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

Remote Temperature Sensor

Features & Benefit

Sensor for detecting the room temperature.

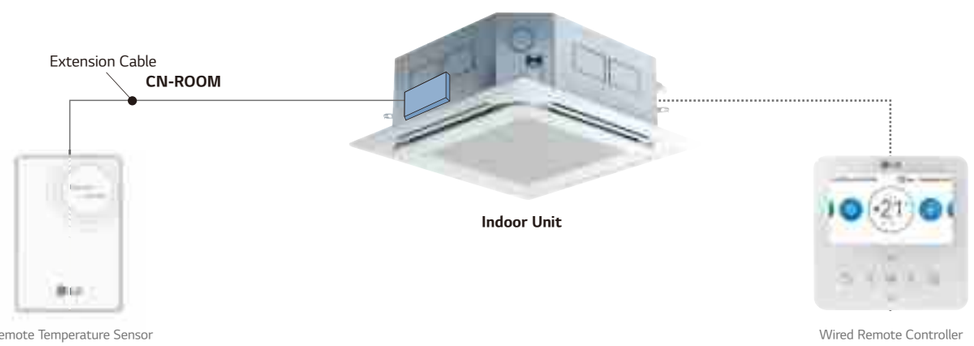


PQRSTA0

- 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.



INTEGRATION DEVICE

Zone Controller

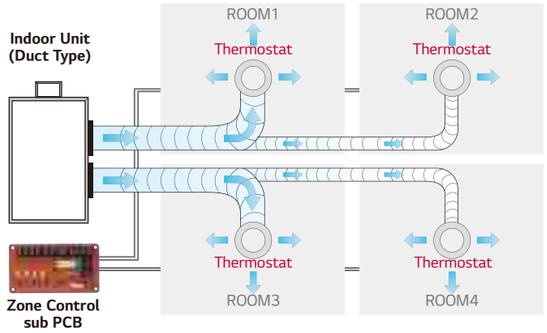
Features & Benefit

Controls air conditioning up to 4 zones by external thermostat.



ABZCA

- 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



Ceiling Concealed Duct

CN - ZONE

AC 24V



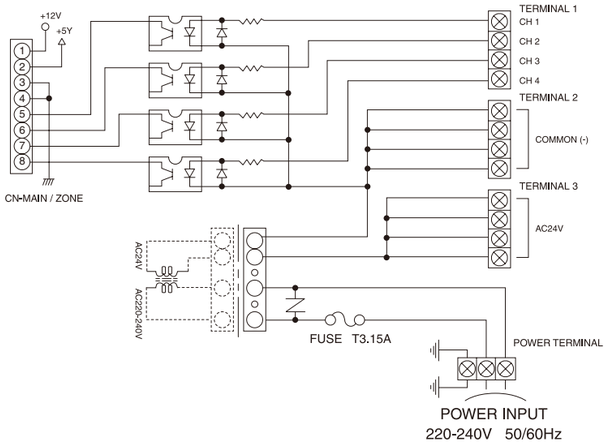
Zone controller

ROOM(External) THERMOSTAT #1 → Damper or Relay

ROOM THERMOSTAT #2 → Damper or Relay

ROOM THERMOSTAT #3 → Damper or Relay

ROOM THERMOSTAT #4 → Damper or Relay



IO Module

Features & Benefit

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



PVDSMN000

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

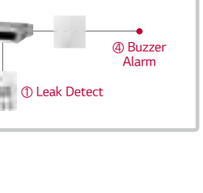
- MULTI V 5
- MULTI V S
- MULTI V WATER 5

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)

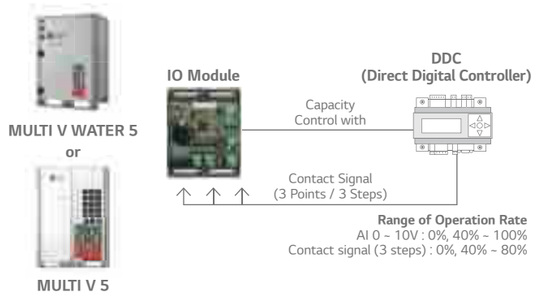
3) Digital Output Part (DO : AC 250V, Max. 1A)
   - Error status relay output
   - Operation status relay output
   - Valve control



Key Application

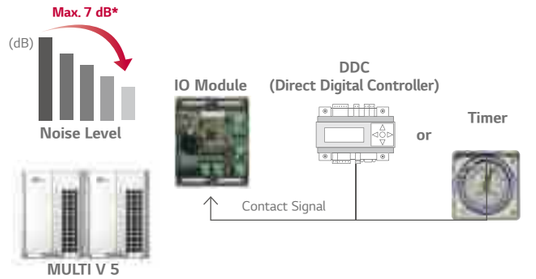
Demand Control

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.

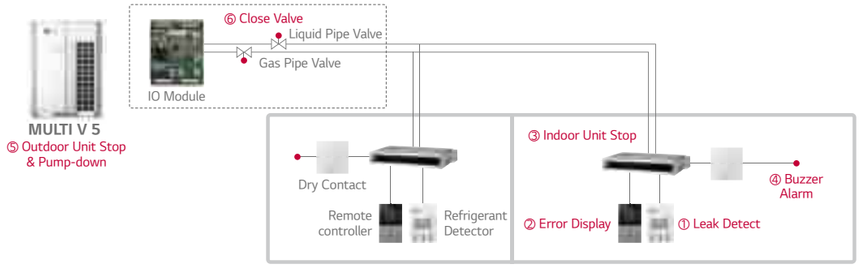


* 8 HP (22.4kW) model, Sound power level can be changed by outdoor unit operation status and low noise operation input signal.

Refrigerant Leakage detection with Pump-down

For safety, IO module close refrigerant valve when pump-down operation.

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



INTEGRATION DEVICE

Water Communication Module

Features & Benefit

This module is intended to connect 3rd party plate heat exchanger to LG outdoor unit with the ability to control water temperature from 3rd party DDC or LG remote controller.

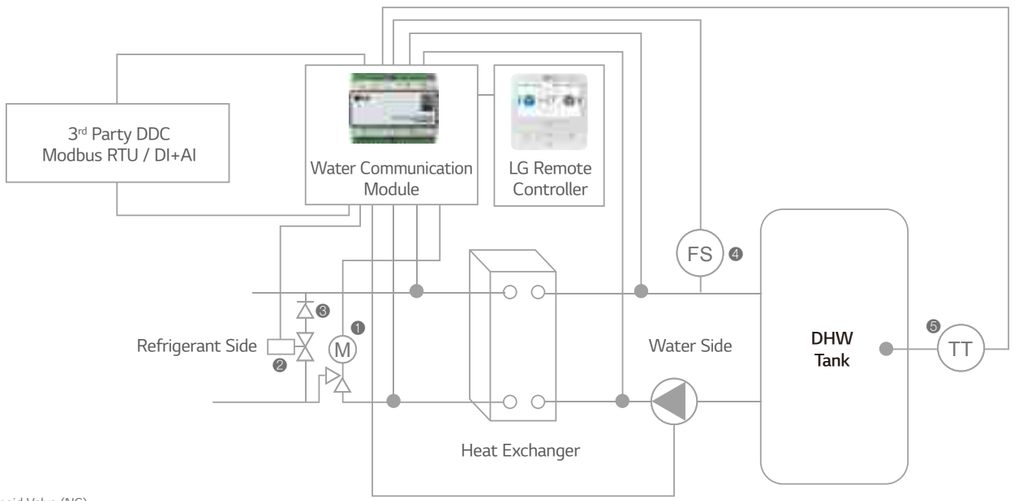


PAHCMW000

- Interlocking with 3rd parties can make various solution with LG MULTI V outdoor unit.

Contents	Connection Port		Function
RS485	CH1 (A+ / B-)	Module Comm. Port	Communication Port Modbus
	CH2 (A+ / B-)	IDU Comm. Port	Communication with MULTI V Outdoor
Universal Input (Cooling / Heating Setting)	UI1	Flow Switch	Flow Switch Input by 3rd party
	UI2	0 ~ 10V Set Temp	Target Temp. Setting
	UI3	Cooling Thermostat Signal	Thermostat Cooling Signal
	UI4	Heating Thermostat Signal	Thermostat Heating Signal
Universal Input (DHW Only)	UI1	Flow Switch	Flow Switch Input by 3rd party
	UI2	0-10V Set Temp	Target Temp. Setting
	UI3	DHW Temperature Transmitter 0 ~ 10V	Measured Water Temp Input by 3rd party 0 ~ 10 V sensor
	UI4	DHW Thermostat Signal	DHW Heating Signal
NTC	RI1	Water Inlet Sensor	PHEX Water Inlet Sensor
	RI2	Water Outlet Sensor	PHEX Water Outlet Sensor
REMO	+12V / SIG / GND	LG Remote Controller	-
Slingle	Reserved	-	-
Digital Output	DO1	Defrost / Mode	Output for defrost signal and/or cool mode
	DO2	Pump	Output signal for pump On / Off
	DO3	Bypass	Output signal for PHEX Bypass Valve
NTC	RI3	Thermistor Pipe In	PHEX Ref. Inlet Pipe Sensor
	RI4	Thermistor Pipe Out	PHEX Ref. Outlet Pipe Sensor
EEV	+12V / 1 / 2 / 3 / 4	Expansion Valve	EEV Control

Overview



❶ EEV
❷ Solenoid Valve (NC)
❸ Non-Return Valve
❹ FS : Flow Switch
❺ TT : DHW Temperature Transmitter

※ 3rd party solenoid, non-return valve, heat exchanger, flow switch and DHW temperature transmitter(optional) must be purchased separately (field supplied items)

Compatibility & Accessory

EEV (LG MODEL)

Model	Capacity (kW)		PAHCMW000
	Min	Max	
PAEEVC000	3.6	28	HP/HR
PRLK048A0	3.6	28	HP/HR
PRLK096A0	28.1	56	HP

LG Controllers

Controller	Individual Controller	Centralized Controller		Dry Contact
	Standard III	AC EZ touch	AC smart 5	
	PREMTW101	PACEZA000	PACS5A000	PDRYCB000

Specification for Field Supply Item

- The 3rd party can select the for best usable version.

Solenoid valve for Bypass

Capacity (kW)		EEV type	System	Kv Value of solenoid and Non-Return Valve	Pipe Size
Min.	Max.				
3.6	28	PAEEVC000	HP/HR	0.95	3/8" / 9.52mm
		PRLK048A0			
>28	56	PRLK096A0	HP	1.9	1/2" / 12.7mm

Flow switch

- The nominal flow and cut of flow can be calculated using the values below.

Controller	Nominal Flow	Flow switch Cut off
L/min*kW	3.29	1.23

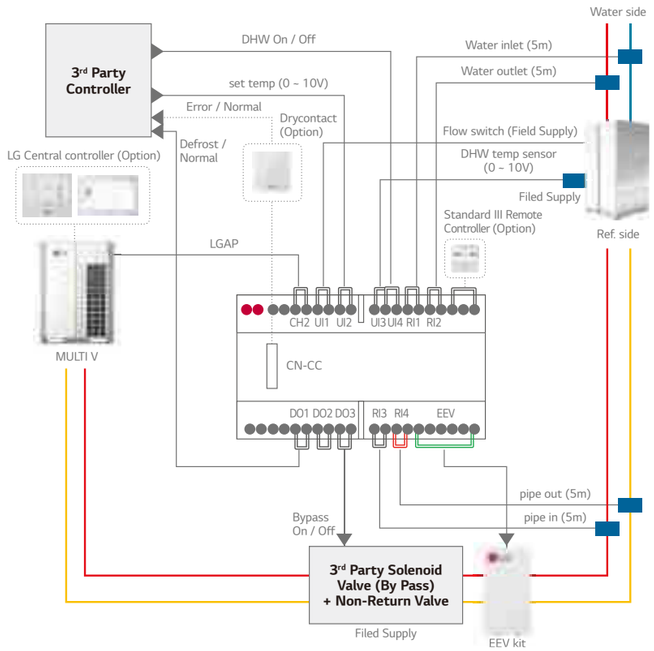
* Example : ODU nominal Cooling Capacity 28 kW
28 x 3.29 = 92.12 L/min nominal flow
28 x 1.23 = 34.44 L/min flow switch cut off

INTEGRATION DEVICE

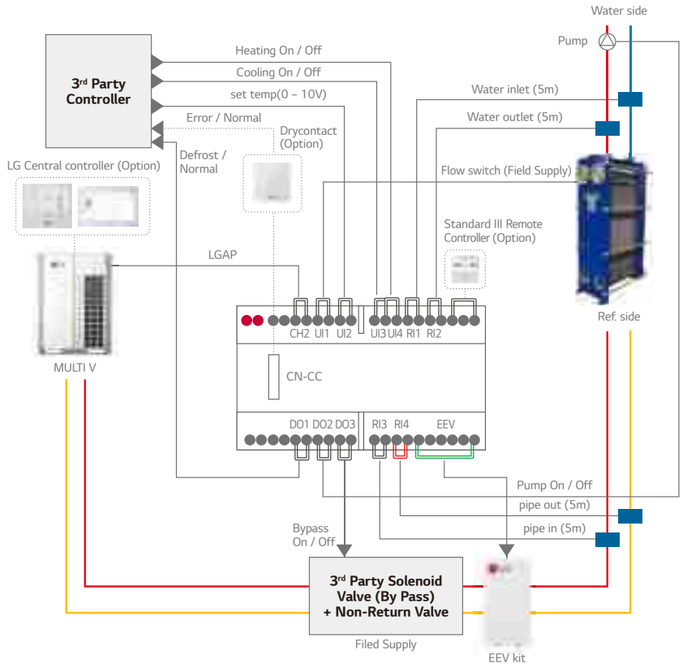
Water Communication Module Application

Installation scene with Contact connection

Contact signal + DHW Only Setting



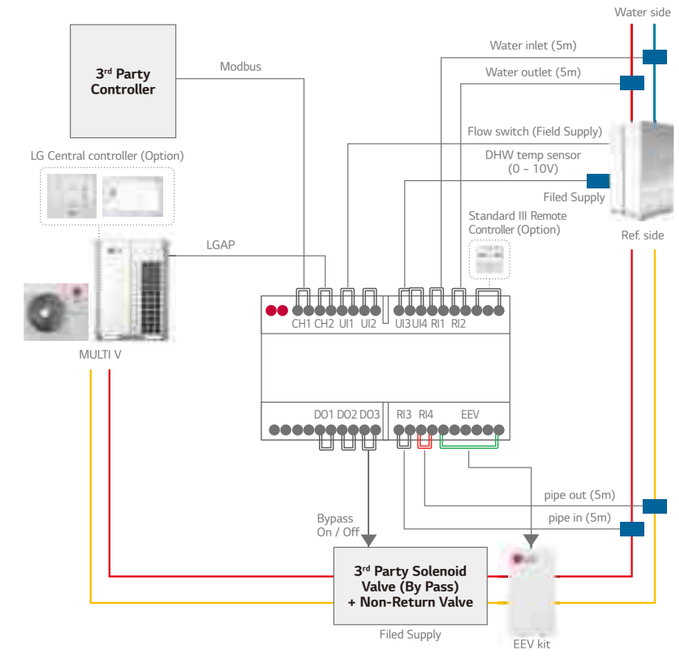
Contact signal + Heating / Cooling Setting



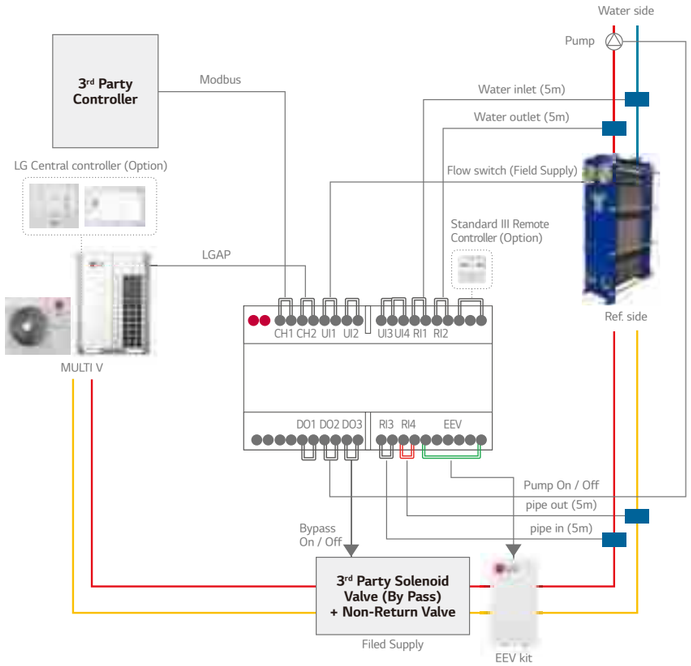
* In case of Contact control, LG controllers can only support monitoring functions

Installation scene with Modbus / LG Control (Optional) connection

Modbus + DHW Only Setting



Modbus + Heating / Cooling Setting



INTEGRATION DEVICE

Variable Water Flow Control Kit

Features & Benefit

Accessory developed for controlling the water flow.



PWFCKN000 (MULTI V WATER IV)

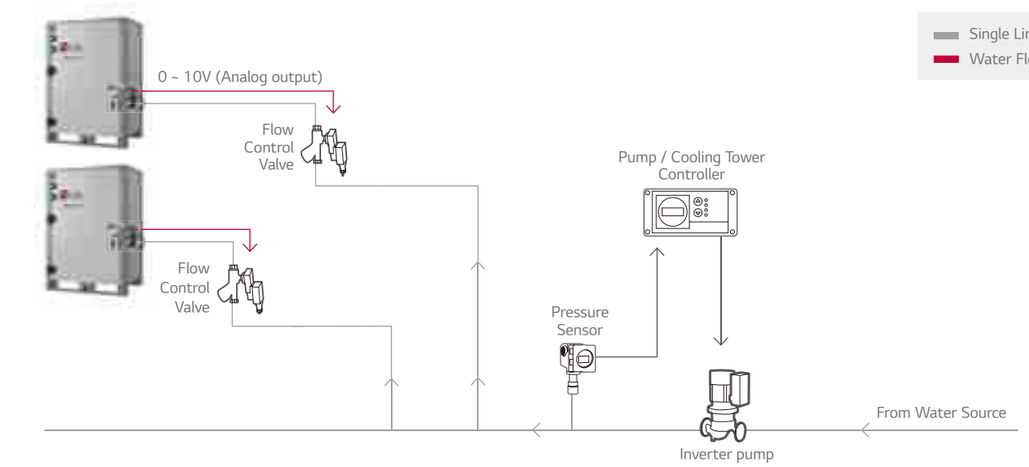
Function

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

Advantage

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

Wiring Diagram



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

Low Ambient kit

Features & Benefit

External integration module for cooling operation with -25°C low ambient temperature.



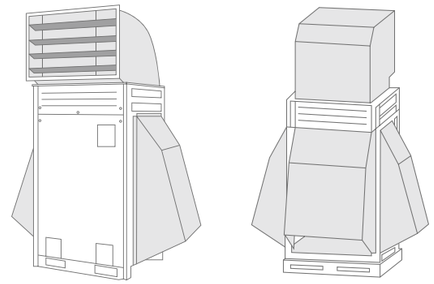
PRVC2

Function

- -25°C Low ambient cooling operation by Low ambient kit and hood with damper (Analog output 0 ~ 10V).
- Demand control
- Low noise operation
- Output outdoor or indoor unit operation status (AC 250V, Max. 1A)
- Output error status (AC 250V, Max. 1A)

Description

- Low ambient kit supports -25° C cooling operation by making stable condensing pressure with reducing air flow rate from hood and damper control given 0 ~ 10V proportional to condensing pressure.
- Low ambient kit provides IO Module function.
- External snow hood and air damper are required for this item.
- Transformer and terminal block are included.



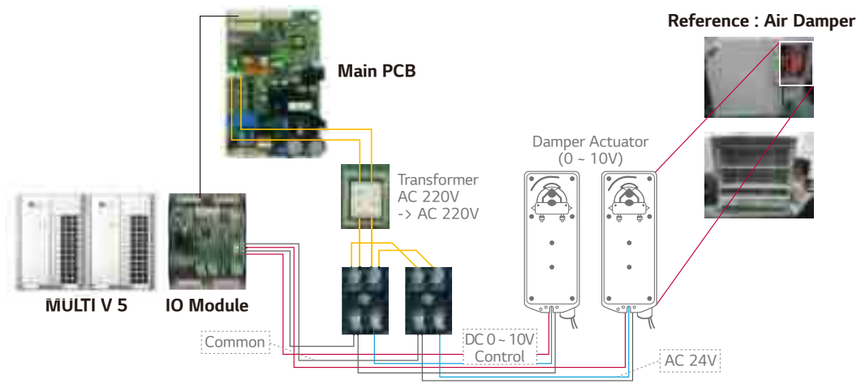
Front **Back**

: Field Supply item

Models Applied

- MULTI V 5
- MULTI V IV

Installation Scene



Note : The IO Module can control maximum three actuators. Please, review damper actuator's installation manual.

INTEGRATION DEVICE

Cool / Heat Selector

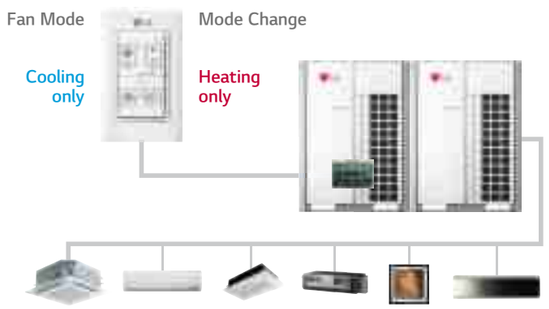
Features & Benefit

Cooling, heating, or fan mode can be selected to prevent cooling and heating mixing errors during seasonal changes.



PRDSBM

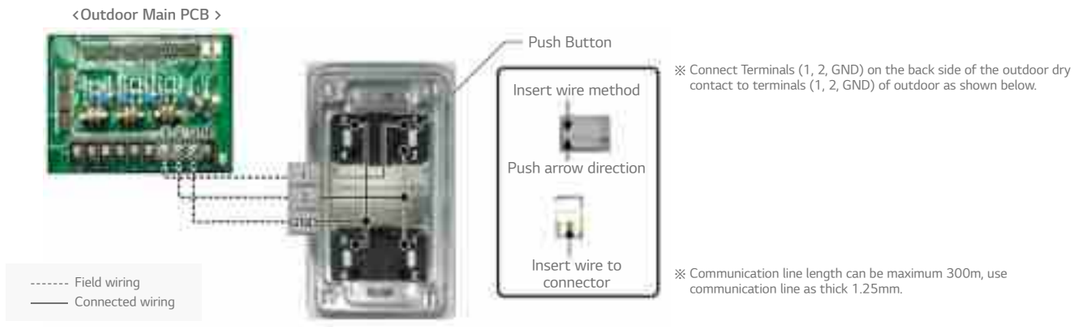
- Indoor unit mode control without central controller.
- Select operation mode : Cooling, Heating, Fan mode
- Mode lock for cooling & heating mixing error-proof during the change of season.



Models Applied

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

Wiring Diagram



※ Connect Terminals (1, 2, GND) on the back side of the outdoor dry contact to terminals (1, 2, GND) of outdoor as shown below.

※ Communication line length can be maximum 300m, use communication line as thick 1.25mm.

AHU Kits

Features & Benefit

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



CONTROLLER MODULE

PAHCMM000 PAHCMC000



CONTROL KIT

PAHCNM000



EEV KIT

PRLK048A0
PRLK096A0



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)

※ ○ : Applied, - : Not Applied

Expansion Application Kit

Type	Model	Dimensions (mm)			Pipe Diameter (mm)	Capacity Index Range
		W	H	D		
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

※ ○ : Applied, - : Not Applied

INTEGRATION DEVICE

AHU Kits

Communication Kit

HIGH ENERGY EFFICIENCY

LG's DX AHU solutions are capable of performing all indoor air conditioning tasks with success under all operating conditions thanks to their superior performance with high efficiency heat source system.

Solution benefits offer the following advantages :

- High energy efficiency inverter system
- Large range of expansion application kit
  : Max. 168 kW EEV Kit [1)]
- Connected to various heat sources
  : MULTI V, MULTI V WATER, MULTI V S, SINGLE SPLIT

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

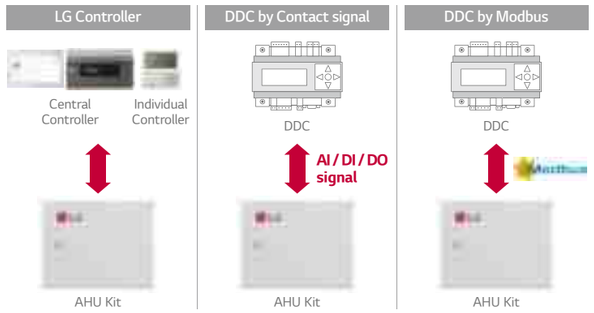


DIVERSE OPTIONS FOR CONTROL

AHU communication kit can be connected to various control system 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

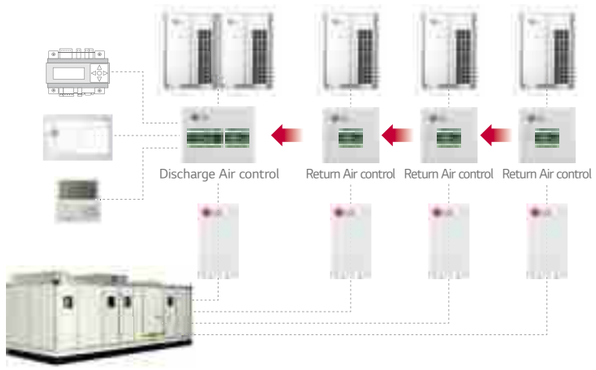
1) DDC : Direct Digital Controller



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 thanks to AHU communication kit's modular design.

- Multiple module combination for large capacity AHU.

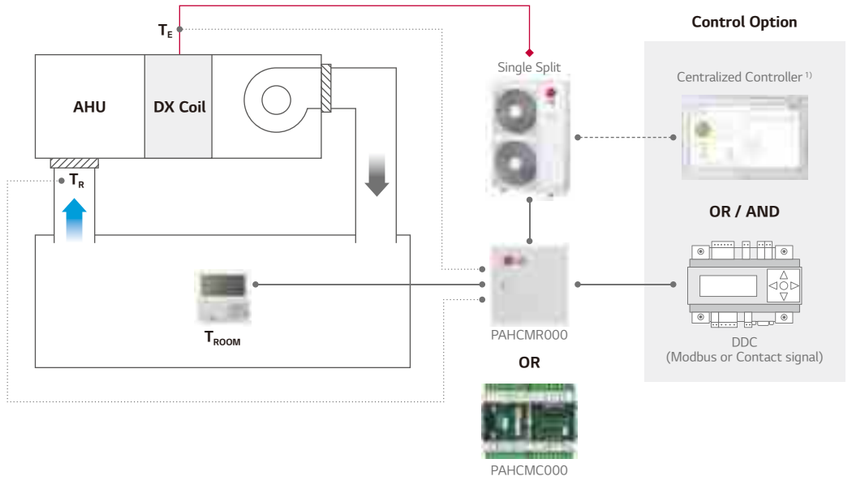


Single Split Application (Communication Kit & Controller Module)

Single Split + Return / Room Air Temperature Control

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

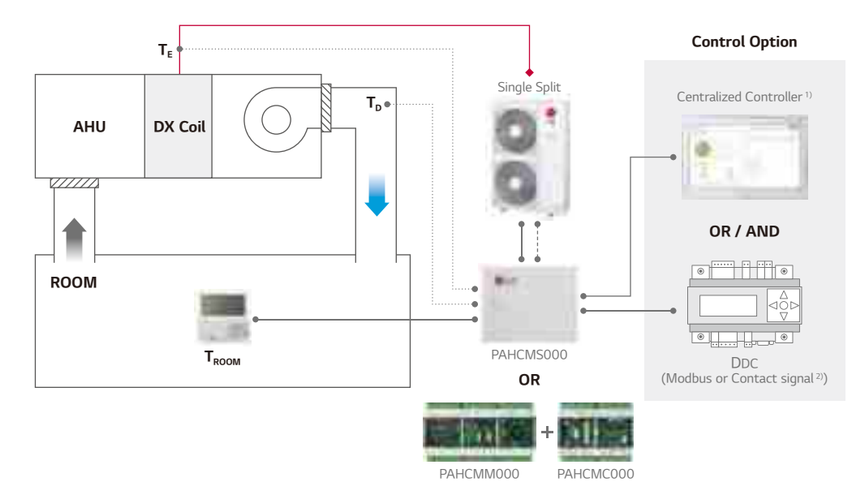
T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
T_R = Return Air Temperature
T_{ROOM} = Room Air Temperature



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.

INTEGRATION DEVICE

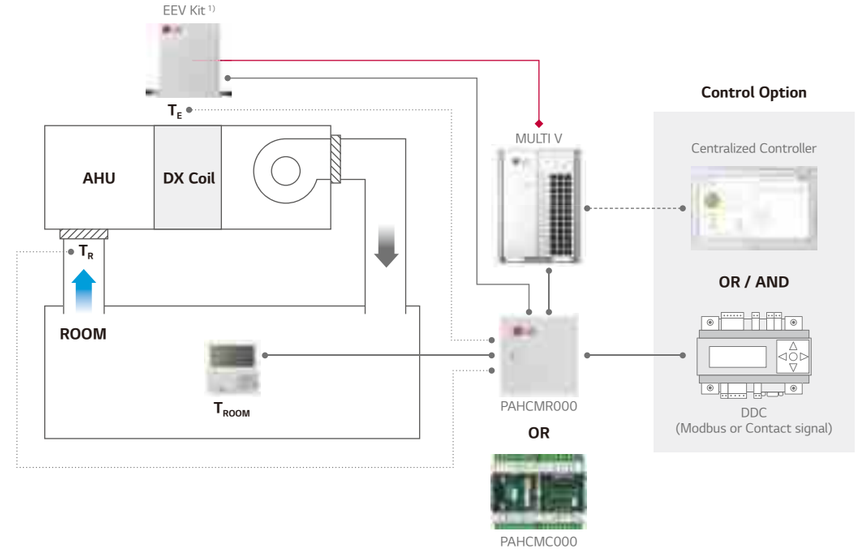
AHU Kits

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

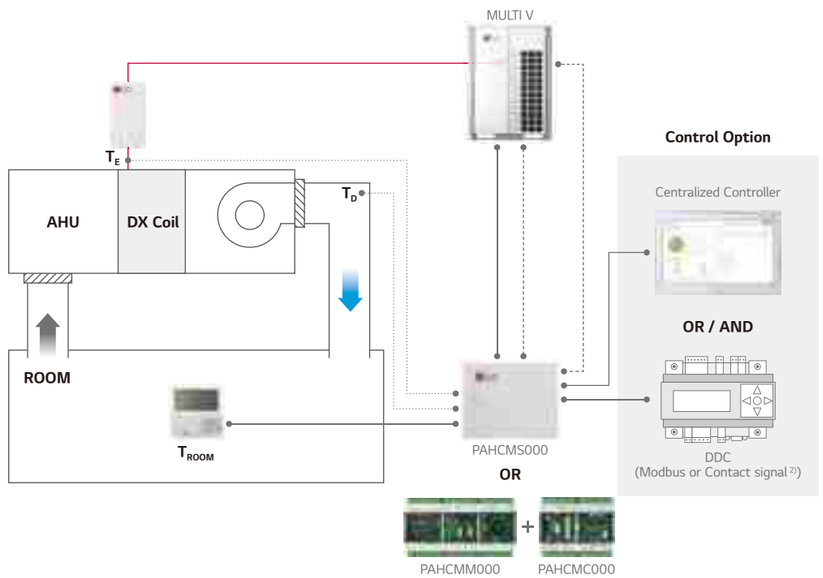
T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
T_R = Return Air Temperature
T_{ROOM} = Room Air Temperature



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.

Communication Kit Function

Communication with DDC via Contact Signal

Function List		PAHCMR000 (PAHCMC000)	PAHCMS000 (PAHCMM000 + PAHCMC000)	Type	Note
Control 1)	Operation On / Off	On / Off	On / Off	Digital Input (Non Voltage)	-
	Operation Mode	Cooling / Heating	Cooling / Heating	Digital Input (Non Voltage)	Available operation mode can vary depending on the settings of Communication Kit
	Return(Room) Air Temperature 2)	16 ~ 30 °C	-	Analog Input (DC 0 ~ 10 V / 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	On / Off	-	Digital Input (Non Voltage)	-
	ODU Capacity Control	-	10 ~ 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 30V / 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 °C	-	
	Discharge Air Temperature 1)	-	○	Dip SW1-2 Discharge Temp. Control Type should be set 'On' Standard II : 16 ~ 30 °C / Standard III : 12 ~ 50 °C
	Fan Speed 2)	High/Middle/Low	-	
	Forced Thermal On / Off	-	-	
	ODU Capacity Control 1)	-	10 ~ 100%	Dip SW1-2 Discharge Temp. Control Type should be set 'Off
	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) In case of PAHCMS000, control type between "Discharge Air Temperature" and "ODU Capacity Control" is selectable.
2) 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.

INTEGRATION DEVICE

AHU Kits

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]	○	-	-
	Discharge Air Temperature [2]	-	○	Standard II : 16 ~ 30 °C / Standard III : 12 ~ 50 °C (Available in April, 2020) / Central Controllers : 12~50°C
	Fan Speed [3]	High / Middle / Low	High / Middle / 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 PREMTBB10	PREMTB001	PQCSZ250S0	PACEZA000	PACS5A000	PACP5A000	PACM5A000	PLNWKB000	PQNUD1S40 PPWRDB000
PAHCMR000	○	○	○	○	○	○	○	○	○	○
PAHCMS000	-	○ [2]	○	-	-	○	○	○	-	-

※ ○ : Applied, - : Not Applied
1) AC Manager 5 is an integrator, so the installation with AC Smart 5 or ACP 5 is required. 2) Set temperature range of this model shall be extended April, 2020.
Note : 1. Dry contact for indoor unit (PDRYCB000 / 400 / 320 / 500) is not applied. 2. For more details, please refer to the product data book.

Outdoor Unit Compatibility

For Small Size Application (~ 15 kW) - Single Split

Type	Model	UUA1 (2.5 ~ 5.0 kW) [1]	UUB1 (5.0 ~ 8.0 kW) [1]	UUC1 (7.1 ~ 10.0 kW) [1]	UUD1 / UUD3 (10.0 ~ 15.0 kW) [1]
Communication Kit (Controller Module)	PAHCMR000 (PAHCMC000)	-	○	○	○
	PAHCMS000 (PAHCMM000 + PAHCMC000)	-	○	○	○
Control Kit	PAHCNM000	-	-	-	-

For Medium-Large Size Application (~ 672 kW) - MULTI V

Type	Model	MULTI V				MULTI V WATER	
		5	IV	III	S	IV	II
Communication Kit (Controller Module)	PAHCMR000 (PAHCMC000)	○	○	○	○	○	○
	PAHCMS000 (PAHCMM000 + PAHCMC000)	○	○	○	○	○	○
Control Kit	PAHCNM000	○	○	○	○	○	○

Expansion Application Kit Compatibility

EEV Kit Model	Capacity index (kW)		Control Application Kit (Maximum connectable EEV Kits)			Connection by ODU system		
	Min.	Max.	PAHCMR000 (PAHCMC000)	PAHCMS000 (PAHCMM000 + PAHCMC000)	PAHCNM000	MULTI V		Single Split
						Heat Pump	Heat Recovery	
PRLK048A0	3.6	28	○ (1)	○ (1)	○ (6)	○	○	-
PRLK096A0	28.1	56	○ (1)	○ (1)	○ (6)	○	○ (Max. 33.7 kW)	-
PRLK396A0	56.1	112	○ (1)	○ (1)	○ (6)	○	-	-
PRLK594A0	112.1	168	-	○ (1)	○ (3)	○	-	-

※ ○ : Applied, - : Not applied
Note : 1. Table of the outdoor unit compatibility is based on European regional model. 2. When connecting outdoor units in other areas, please check whether they are compatible or not.
3. Expansion application kit compatibility is based on capacity index of the system, it may changed according to system design condition.

Control Kit

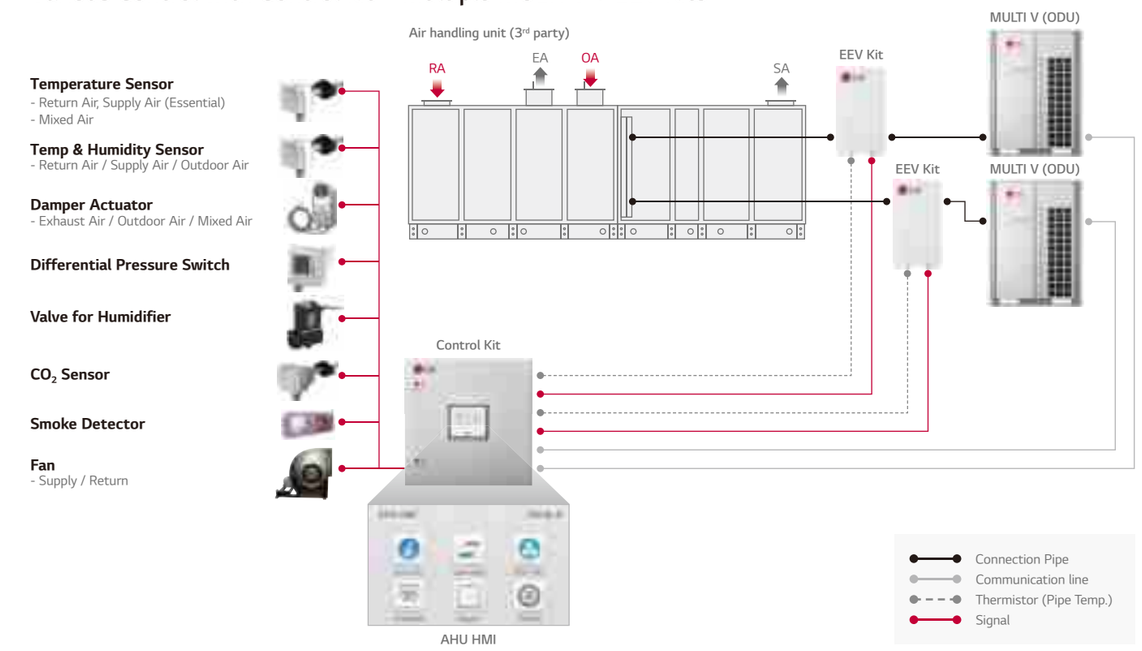
List	Required Item
Heating / Cooling	SA / RA temperature sensor (or SA / RA temperature & humidity sensor)
Automatic Ventilation	SA / RA temperature, CO_2 sensor, Damper actuator (OA, EA, MA)
Energy Saving (Cooling Mode Only)	SA temperature, OA / RA temp&humidity sensor, Damper actuator (OA, EA, MA)
Humidification	SA temperature, RA temperature & humidity sensor, Humidifier
Inverter Fan Control	SA / RA temperature, Static pressure sensor, Inverter driver for fan control
Filter Alarm	Difference pressure sensor
Smoke Detecting	Smoke detection sensor

※ RA : Return Air, EA : Exhaust Air, OA : Outdoor Air, SA : Supply Air, MA : Mix air (RA + OA)

Field Supplied Item

List	Required Specification	Apply Location
Temperature Sensor	- Power : AC 24V, Output signal : DC 0 ~ 10V - Temperature boundary : -50 ~ 50°C	- Apply to MA, SA, RA
Temperature & Humidity Sensor	- Power : AC 24V, Output signal : DC 0 ~ 10V - Temperature boundary : -40 ~ 70°C - Humidity boundary : 0 ~ 95% RH	- Apply to SA, RA, OA - Can not be applied to MA
Damper Actuator	- Power : AC 24V, In/Output signal : DC 0 ~ 10V - Rotation angle : 90°	- Apply to OA, EA, MA damper
Difference Pressure Sensor (for Filter)	- Power : AC 24V, Output signal : DC 0 ~ 10V - Boundary : 0 ~ 1,000Pa - Switch type : Relay Open / Close	- Apply to filter
Static Pressure Sensor	- Power : AC 24V, Output signal : DC 0 ~ 10V - Boundary : 0 ~ 1,000pa	- Apply to SA (for inverter control)
CO_2 Sensor	- Power : AC 24V, Output signal : DC 0 ~ 10V - Boundary : 0 ~ 2,000ppm	- Apply to RA duct
Smoke Detection Sensor	- Power : AC 24V, From : Contact point type	- Apply to RA duct

Various Control with Control kit – Multiple MULTI V + EEV Kits



HOTEL APPLICATION

Hotel Control Solution



Guest Rooms

The air conditioner automatically turn off when guests leave. — Dry contact

Integrated control of air conditioner with the hotel room controller. — Dry contact

Control the air conditioner with an existing hotel thermostat. — Dry contact For thermostat

Guest safety is the first priority. — Refrigerant Leak detector

Reception

Air conditioner control in conjunction with check-in or check out. — AC Smart 5 (Schedule)

Public Areas

Centralized management of the public areas.

Hotel Proposal / Design

Guest Room

The air conditioner automatically turn off when guests leave



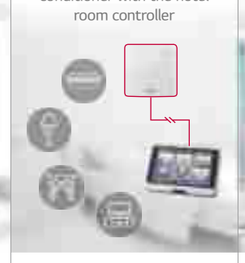


PDRYCB400
2 contact point

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



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

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 APPLICATION

Shopping Mall Control Solution



Retail

Rationally distribute and manage the power consumption by tenants. — PDI

Fast problem detection and alarms. — Central controller (Operation trend)

Maintenance Office

Reduces energy by checking operational trends. — Central controller (Operation trend)

Atrium

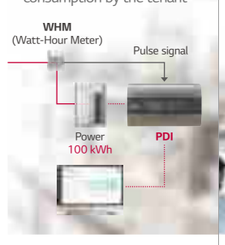
Integrated management of AHU applied to large spaces. — Comm. Kit

Chiller and VRF integrated control. — Central controller (Operation trend) + Chiller option kit

Shopping Mall Reference

Retail

Rationally distribute and manage power consumption by the tenant



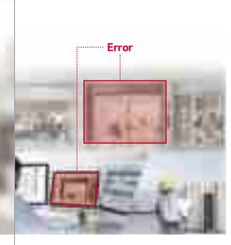


PPWRDB000
PDI Standard (2 port)
- Max. 128 IDU



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 APPLICATION

Hospital Control Solution



Hospital Ward

Proper airflow management for patients.

Wired remote controller

Monitor the comfort level for each hospital ward.

Central controller (Comport level)

Control fan speed and air volume.

Dry contact

Service Zone

Energy savings based on flexible scheduling.

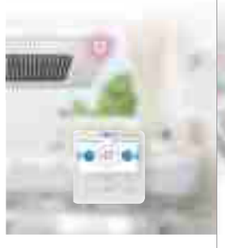
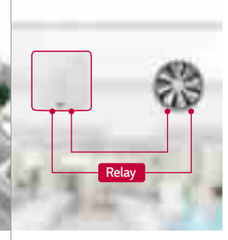
Central controller (Schedule)

Lobby

Centralized management of AHU for large spaces.

Comm. Kit

Hospital Proposal / Design

Hospital Ward			Service Zone	Lobby
Proper airflow management for patients	Monitor the comfort level for each hospital ward	External device interlock control	Energy savings based on flexible scheduling	Centralized management of AHU for large space
				
				
PTVSMA0 Human detection sensor	**PACS5A000** AC Smart 5 • BMS Integration (BACnet IP, Modbus TCP)	**PDRYCB400** 2 contact point **Input** • Operation On / Off **Output** • Operation On / Off status • Error alarm	**PACS5A000** AC Smart 5 • BMS Integration (BACnet IP, Modbus TCP)	**PAHCMR000** AHU Comm. Kit • Return air
				
PREMTB100 Wired remote controller • 4.3 inch color LCD • Touch button	**PACP5A000** ACP 5 • BMS Integration (BACnet IP, Modbus TCP)		**PACP5A000** ACP 5 • BMS Integration (BACnet IP, Modbus TCP)	**PAHCMS000** AHU Comm. Kit • Discharge air

EDUCATION APPLICATION

Education Control Solution



Class Room

Automatically save energy in the absence of students.

Wired remote controller

Central controls prevent students from arbitrary control.

Central controller (Lock)

Lecture Room

Schedule management according to academic plan.

Central controller (Schedule)

Maintenance Office

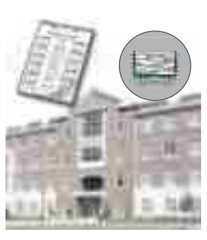
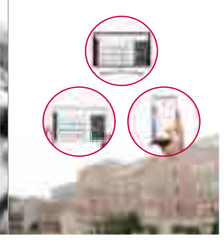
Integrated management of distributed buildings.

Central controller (Multiple mangement)

Centralized management with multiple interfaces.

Central controller (HTML5)

Education Proposal / Design

Class Room		Lecture Room	Maintenance Office	
Automatically save energy in the absence of students	Central controls prevent students from arbitrary control	Schedule management according to academic plan	Integrated management of distributed buildings	Centralized management with multiple interfaces
				
				
PTVSMA0 Human detection sensor				
				
PREMTB100 Wired remote controller • 4.3 inch color LCD • Touch button				

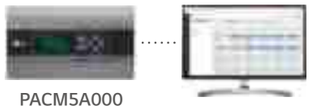


PACS5A000
AC Smart 5
• BMS Integration (BACnet IP, Modbus TCP)



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

+



PACM5A000
AC Manager 5

OFFICE APPLICATION

Office Control Solution



Maintenance Office

Energy savings and management throughout the building.

Central controller (Energy Navi.)

Integrated management of HVAC with BMS system.

Central controller (BMS Gateway)

Reduce costs by replacing BMS.

Central controller (Operation trend) + ACS IO Module

Office Room

Reasonable power distribution to tenants.

PDI

Server Room

Main equipment 24 hours back up management.

Central controller (Backup operation)

Meeting Room

Energy savings based on occupancy detection.

Wired remote controller

Office Proposal / Design

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



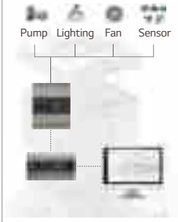


PLNWKB000
LonWorks gateway



PMBUSB00A
Modbus RTU gateway

Reduce costs by replacing BMS





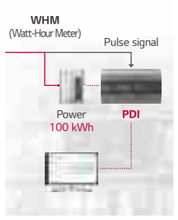
PEXPMB000
ACS IO Module



PEXPM300
PEXPM200
PEXPM100
ACU IO Module

Office Room

Reasonable power distribution to tenants





PPWRDB000
PDI Standard (2 port)

- Max. 128 IDU

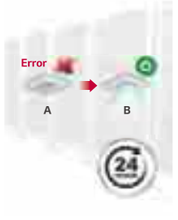


PQNUD1S40
PDI Premium (8 port)

- 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





PTVSMA0
Human detection sensor



PREMTB100
Wired remote controller

- 4.3 inch color LCD
- Touch button

RESIDENTIAL APPLICATION

Residential Control Solution



Home

Control your home air conditioner anytime, anywhere.

Wi-Fi Modem

Living Room

Build a smart house.

Modbus RTU

Bed Room

Use a familiar residential thermostat.

Dry contact For thermostat

Simple interlocking control by remote control.

Wired remote controller

Apartment / Residence

Stable system operation.

Independent power module

Residential Proposal / Design

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

Living Room

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

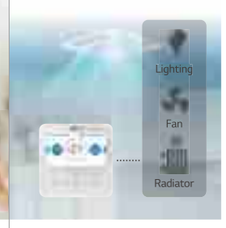


PDRYCB320
8 contact point

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



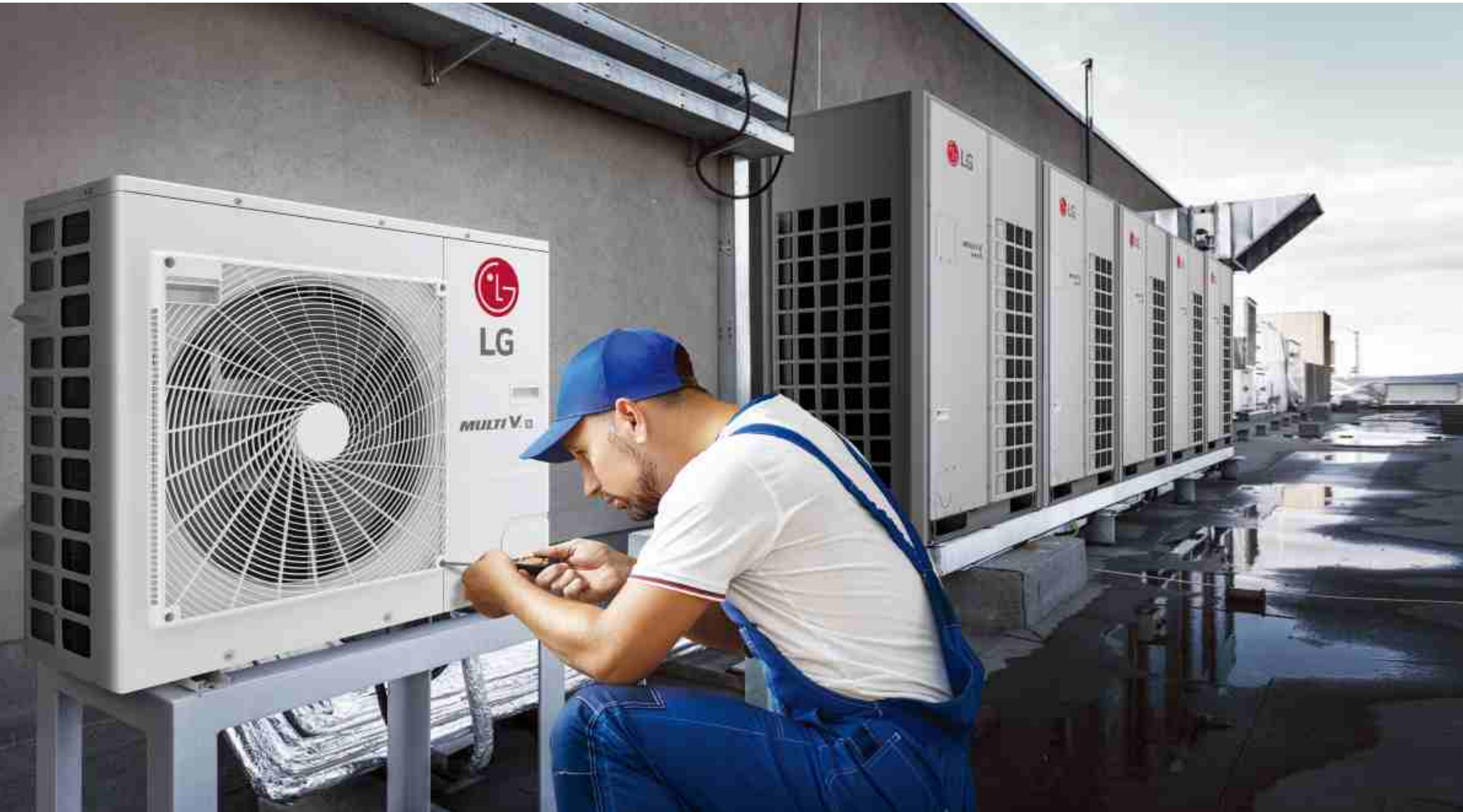


PINPMB001
Multi-tenant Power Module

- EEV full close function

ACCESSORIES

- MECHANICAL ACCESSORIES
- PIPING ACCESSORIES



MECHANICAL ACCESSORIES

Cassette Panel

Key Features

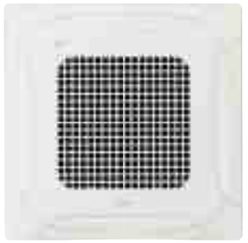
Stylish designed panels make more unique space by various applications.

Dual Vane Panel



PT-AAGW0,
PT-AFGW0 (Air Purify)

4 Way Cassette Panel



PT-QAGW0

2 Way Cassette Panel



PT-USC

1 Way Cassette Panel



PT-TAHW0 / PT-UAHW0



PT-TAHG0 / PT-UAHG0
PT-UPHG0 / PT-TPHG0
(Air Purify)

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

Specification

Model		Suction Type	Color	Gloss	Weight (kg)	Dimension (mm)			Applied model capacity (kW)*
						W	H	D	MULTI V R410A
Dual Vane	PT-AAGW0	Grill	Noble White	-	7.1	950	35	950	7.1 ~ 14.1
	PT-AFGW0 (Air Purify)	Grill	Noble White	-	7.5	950	35	950	
4 Way	PT-QAGW0	Grill	Morning Fog	-	2.9	620	35	620	1.6 ~ 6.0
2 Way	PT-USC	Grill	Morning Fog	-	4.7	1,100	28	690	2.8 ~ 7.1
1 Way	PT-UAHW0	Grill	Ivory White	-	3.3	1,100	34	500	2.2 ~ 3.6
	PT-TAHW0	Grill	Ivory White	-	4.5	1,420	34	500	5.6 ~ 7.1
	PT-UAHG0	Grill	White	O	3.9	1,160	34	500	2.2 ~ 3.6
	PT-TAHG0	Grill	White	O	4.8	1,480	34	500	5.6 ~ 7.1
	PT-UPHG0 (Air Purify)	Grill	White	O	4.1	1,160	34	500	2.2 ~ 3.6
	PT-TPHG0 (Air Purify)	Grill	White	O	4.9	1,480	34	500	5.6 ~ 7.1

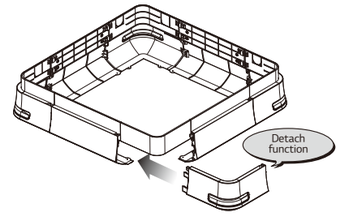
* Based on cooling capacity.
※ O : Applied, - : Not applied

Cassette Cover

Key Features

Cover in case of exposed cassette installation.





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

Model Name

PTDCA / PTDCQ

Applied Products

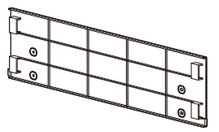
4 Way Cassette
(for chassis TM-A, TQ, TR)

Included Parts

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



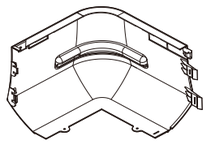
Cover A (4 units)



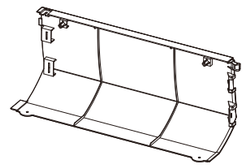
Cover B (4 units)



Screw (28 units)



Cover C (4 units)



Cover D (4 units)



Installation Manual

Specification

Model	Front Panel		Weight (kg)		Dimensions (mm)		
			NET	Gross	W	D	H
PTDCA	PT-A*GW0	TM-A	6.1	9.5	1,157	1,157	308
		TM-B	6.1	9.5	1,157	1,157	266
PTDCQ	PT-QAGW0	TR	5.0	7.2	907	907	268
		TQ	5.0	7.2	907	907	310

MECHANICAL ACCESSORIES

CO_2 Sensor

Key Features

CO_2 sensor in ventilation system.



Specification

- Applied Model : ERV (Embeded), 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.

Model Name

AHCS100H0

Applied products

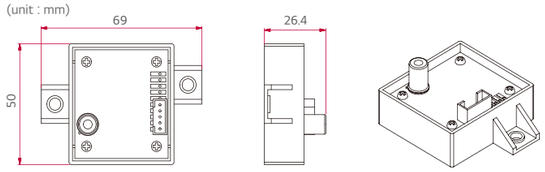
LZ-H025GBA4
LZ-H035GBA5 / LZ-H050GBA5 / LZ-H080GBA5
LZ-H100GBA5 / LZ-H150GBA5 / LZ-H200GBA5

Applicable products

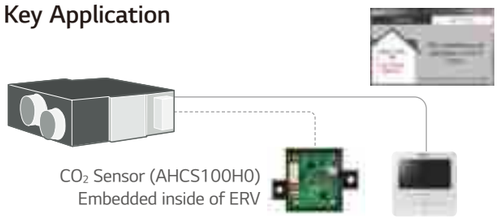
LZ-H050GXN0 / LZ-H080GXN0 / LZ-H100GXN0
LZ-H050GXH0 / LZ-H080GXH0 / LZ-H100GXH0

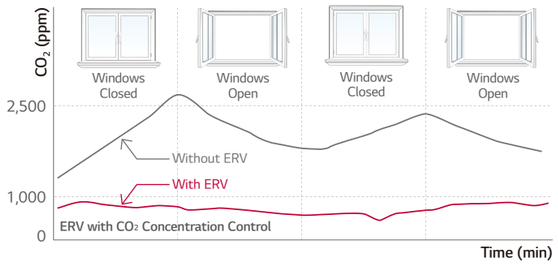
Dimensions

(unit : mm)



Key Application

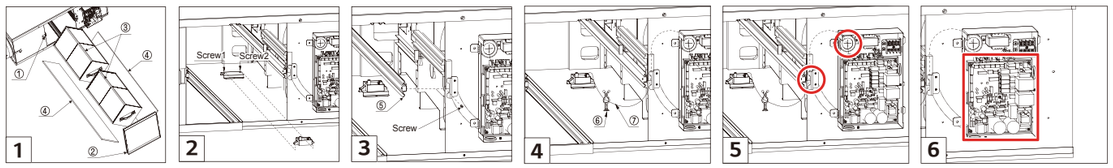




How to Intstall

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

Key Features

R410A refrigerant leakage detector makes our space safer.



- This detector senses refrigerant leakage when the refrigerant concentration exceeds 6,000ppm.
  (The green and red LED lights blink simultaneously)
- Alarm is “ON” over 6,000ppm has been maintained 5 seconds, and Alarm is “OFF” under 6,000ppm has been maintained 5 seconds.
- 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.

Model Name

PRLDNVS0

Applied Products

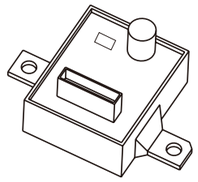
MULTI V 5
MULTI V IV Heat Pump & Heat Recovery
MULTI V Water 5

Specification

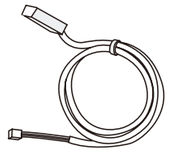
Parts	Specifications	
Sensor	Rated voltage (V)	DC 5.0 ±5%
	Dimensions (W x H x D, mm)	31 x 44 x 20
	Weight (g)	22
	Detectable refrigerant	R410A
	Detected concentration (ppm)	0 / 6,000 Alarm Off / On
	Operating temperature range (°C)	-10 ~ 50
	Preserved temperature range (°C)	-40 ~ 60
	Average power consumption (mA)	35
Connecting Cable	Cable length (m)	10
Sensor Protective Cover	Dimensions of front Plate (W x H x D, mm)	80 x 110 x 44.6
	Dimension of backplate (W x H x D, mm)	80 x 110 x 6.5

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

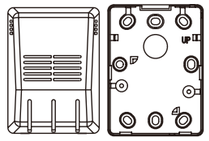
Included Parts



Sensor



Connecting Cable

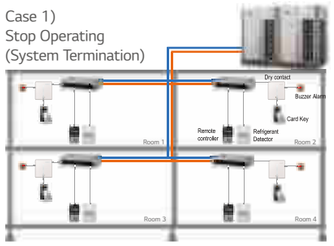


Sensor Protective Cover

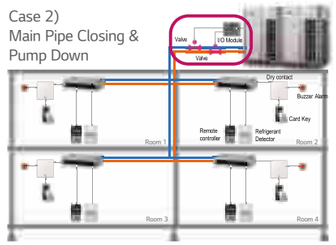
Key Application

Refrigerant Leakage Detector has three application methods.

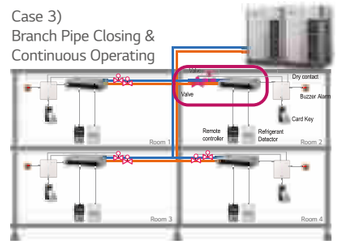
Case 1)
Stop Operating
(System Termination)



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

MECHANICAL ACCESSORIES

EEV Kit

Key Features

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



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

Model Name

PRGK024A0

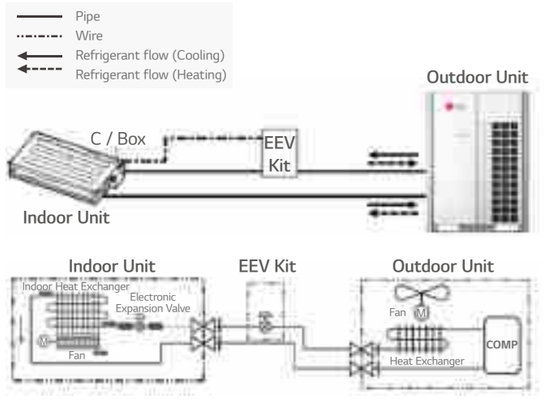
Applied Products

Indoor Unt	Model	Chassis	Applicable
Cassette	1 Way Cassette	TU	○
	2 Way Cassette	TT	N/A
	4 Way Cassette	TS	○(~5.6kW)
		TR	○
		TQ	○(~4.5kW)
		TP	N/A
		TN	N/A
		TM	-
Duct	High Sensible	BG	-
		BR	-
		B8	-
	High Static	B8	-
	Middle Static	M1	○(~5.6kW)
		M2	-
		M3	-
	Low Static	L1	○
		L2	-
		L3	-

Indoor Unt	Model	Chassis	Applicable
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 qutie and nosie-sensitive.



Luxury Hotel



Villa



Executive office

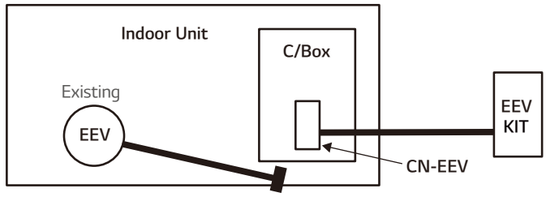


Meeting room

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

Key Features

IR RECEIVER can be connected to ceiling concealed duct and floor standing unit which the customer wants to control by wireless remote controller.



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

Model Name

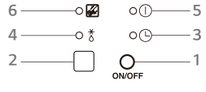
PWLRVN000

Applied Products

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

Key Application

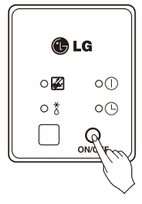




Signal Receiver

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.

Note : Do not install both the IR Receiver and Wired Remote Controller. This may cause malfunctions.

MECHANICAL ACCESSORIES

Multi-tenant Power Module

Key Features

System operation is stable when indoor unit power is lost.



- Multi-tenant site IDUs are powered separately, some of IDU power is gone by each tenant. In this case, system operation is not stable without Multi-tenant Power Module.
- This module power each EEV for stabilizing system operation.

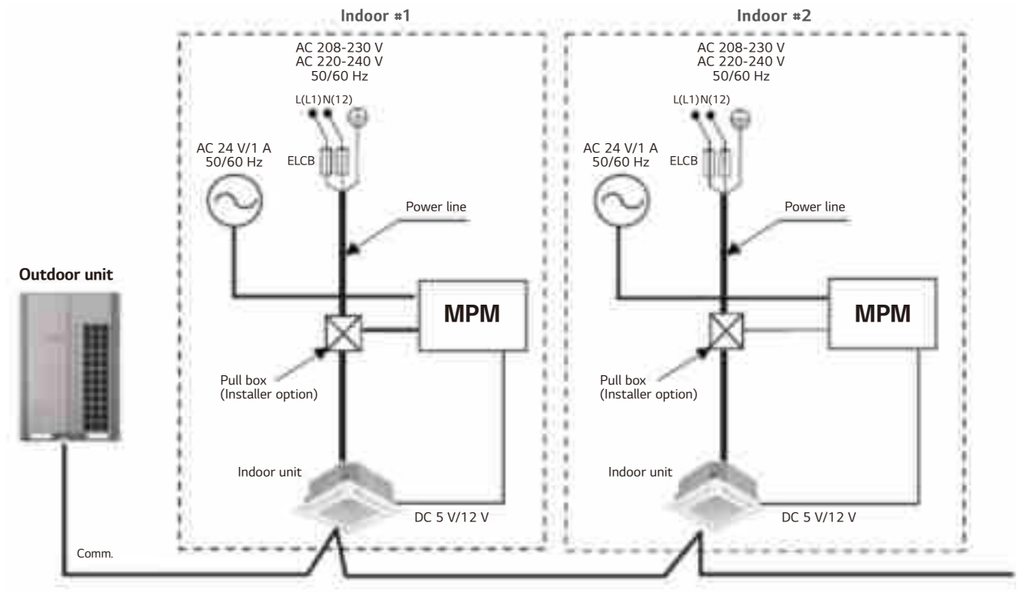
Model Name

PINPMB001

Applied Products

MULTI V INDOOR UNITS

Installation Scene



※ When Multi-tenant Power Module is adopted, CN-EXT must used for it. Instead of being used CN-EXT, PDRYCB000 (220Vac input) / PDRYCB100 (24Vac Input) Module are being used for Single contact.

Auxiliary Heater Relay Kit

Key Features

Providing an efficient way to add auxiliary heat.



- 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.

Model Name

PRARS1

Applied Products

Wall Mounted, Art Cool Mirror, Art Cool Gallery

Model Name

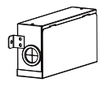
PRARH1

Applied Products

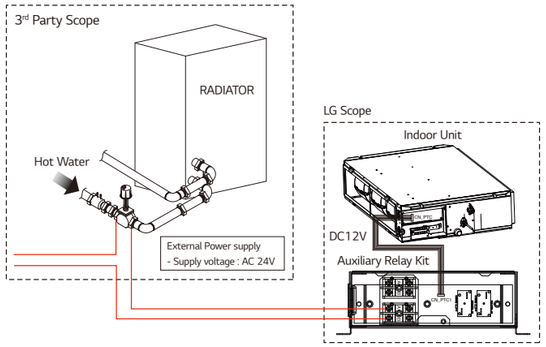
1,2,4 Way Ceiling Cassette, High Static Ducted, Low Static Ducted, Ceiling Suspended

Included Parts

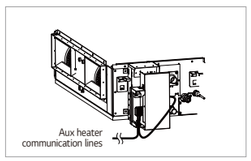
Model	PRARH1			
Item	Auxiliary Heater Relay Kit	Screw	Insulation	Installation Manual
Q'ty	1	2	2	1
Figure				

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

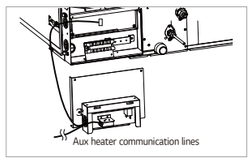
Key Application



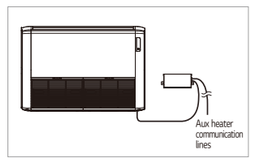
How to Install



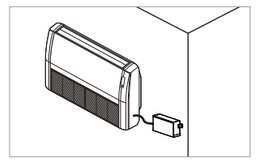
High Static Ducted



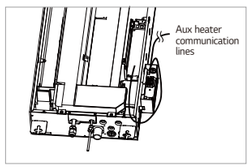
Low Static Ducted



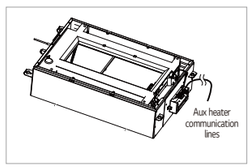
Ceiling Suspended



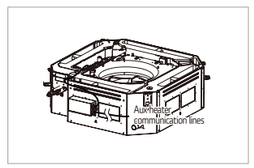
Wall mounted



1 Way Cassette



2 Way Cassette



4 Way Cassette

PIPING ACCESSORIES

Heat Recovery Unit

Key Features



Model Name

PRHR023 (2 Branch Unit)
PRHR033 (3 Branch Unit)
PRHR043 (4 Branch Unit)
PRHR063 (6 Branch Unit)
PRHR083 (8 Branch Unit)

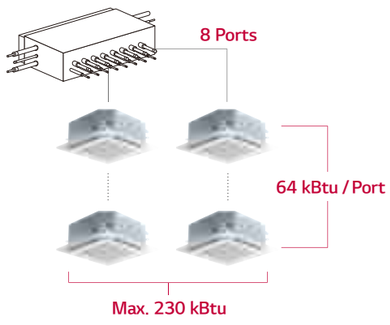
Applied Products

MULTI V 5
MULTI V IV
MULTI V Water 5

- 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)



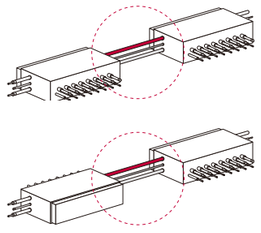
Flexible Connection

Series connection can be installed without pipes crossing.

New

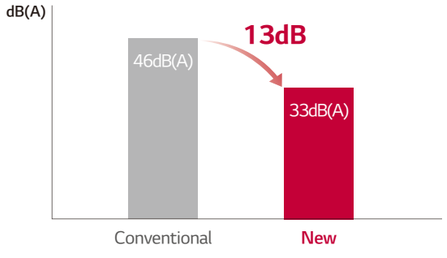


Considering the direction for Indoor units and SVC port, connection for reverse direction makes much easier.



Reduce Noise

Heating → Cooling switching operation



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

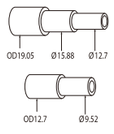
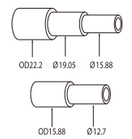
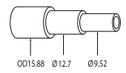
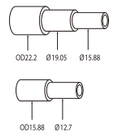
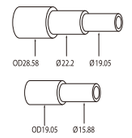
- HR unit (1EA)
- Hanging bolts M10 or M8 (4EA)
- Nut M8 or M10 (8EA)
- Washers M10 (8EA)
- Reducers

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) including connection pipes			mm	786 x 218 x 657	786 x 218 x 657	786 x 218 x 657	1,113 x 218 x 657	1,113 x 218 x 657
Piping Connections	Indoor Unit	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Outdoor Unit	Liquid	mm (inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Low Pressure	mm (inch)	22.2 (7/8)	28.58 (11/8)	28.58 (11/8)	28.58 (11/8)	28.58 (11/8)
		High Pressure	mm (inch)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
Power supply			Ø, V, Hz	1, 220-240, 50 1, 220, 60	1, 220-240, 50 1, 220, 60	1, 220-240, 50 1, 220, 60	1, 220-240, 50 1, 220, 60	1, 220-240, 50 1, 220, 60

Reducers for Indoor Unit and HR Unit

(Unit : mm)

Model		Liquid	High Pressure	Low Pressure
Indoor Unit Reducer				
HR Unit Reducer	PRHR023			
	PRHR033 PRHR043 PRHR063 PRHR083			

PIPING ACCESSORIES

Y Branch and Headerbranch

Key Features

For refrigerant distribution of indoor units



- 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.

Model Name

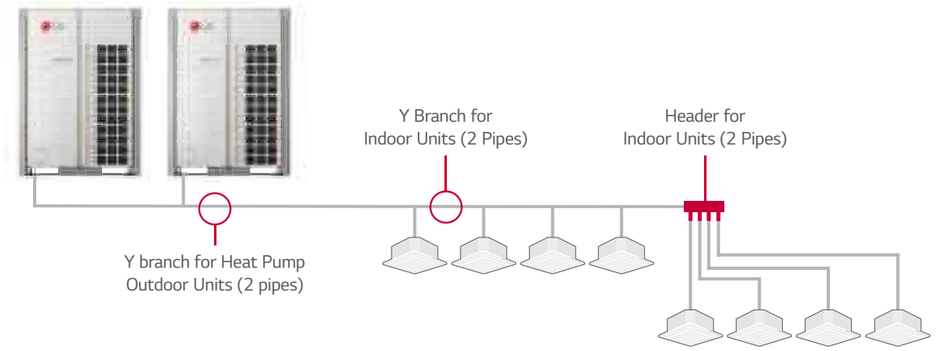
Refer to specifications

Applied Products

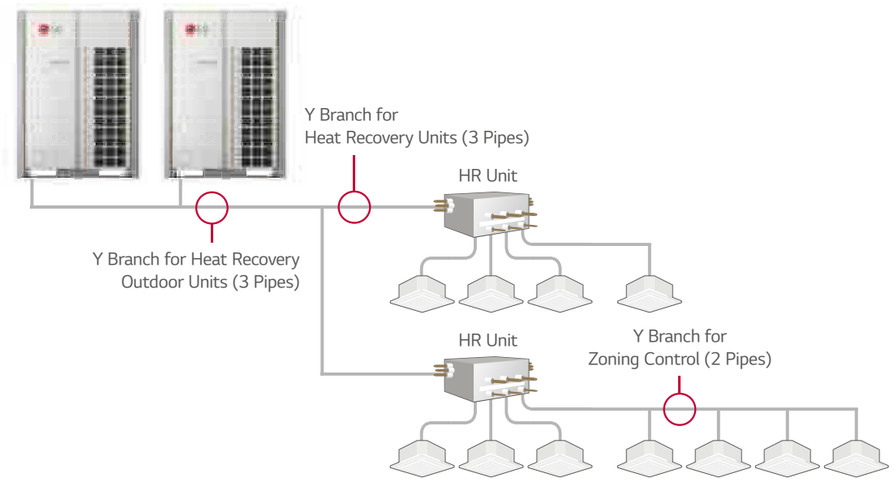
MULTI V 5
MULTI V IV
MULTI V III, MULTI V Plus II, MULTI V Plus
MULTI V S
MULTI V Water 5
MULTI V Water IV
MULTI V Water II

Key Application

Heat Pump System



Heat Recovery System

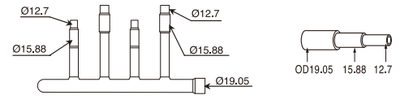
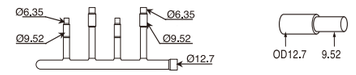
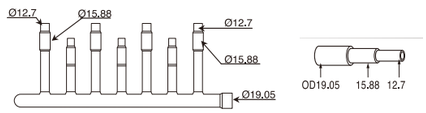
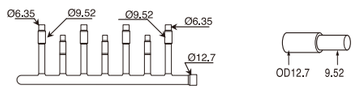
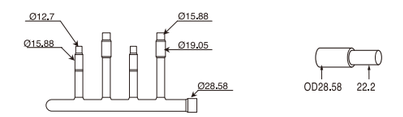
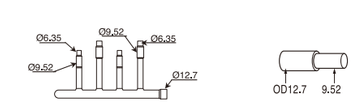
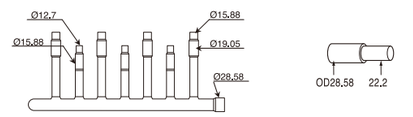
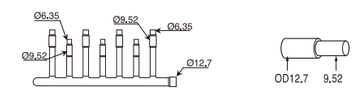
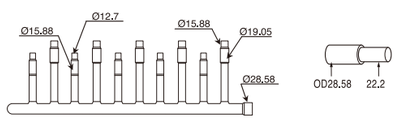
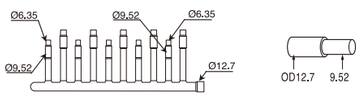
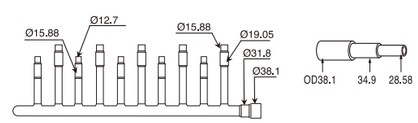
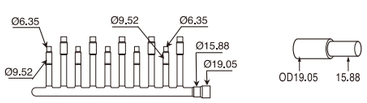


Specification

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

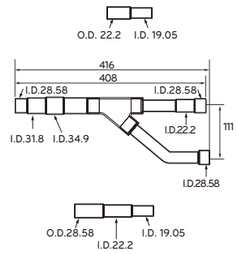
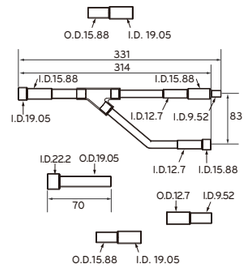
Y Branch and Header Branch

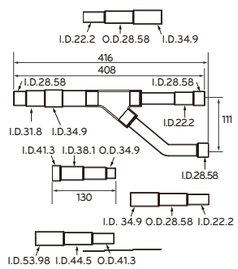
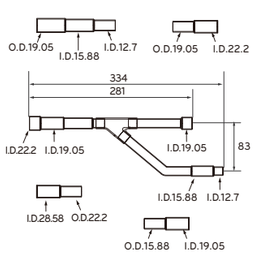
Specification

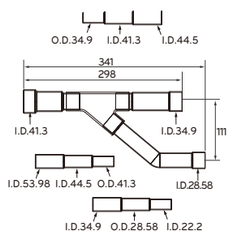
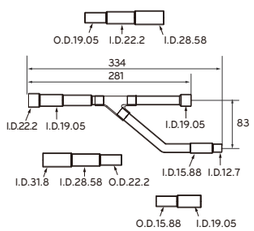
Heat Pump

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

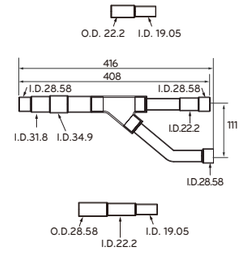
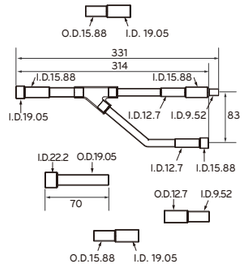
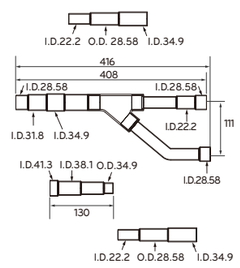
4 Outdoor Units		
Model	High Pressure Gas Pipe	Liquid Pipe
ARCNN41		

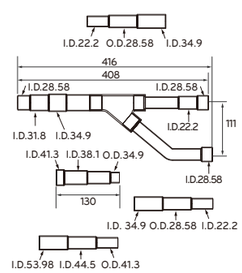
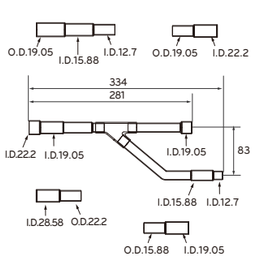
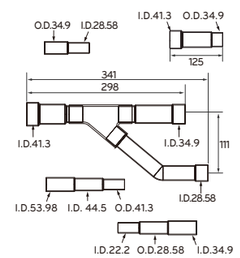
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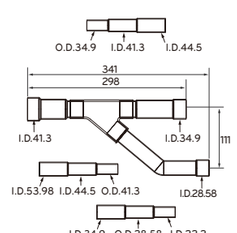
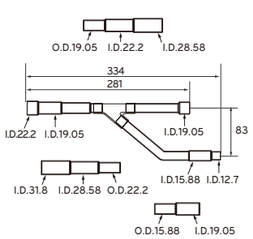
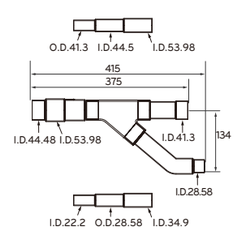
Heat Recovery

R410A MULTI V 5, MULTI V IV HEAT RECOVERY, MULTI V III HEAT RECOVERY, MULTI V WATER 5, 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

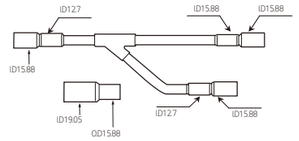
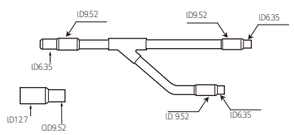
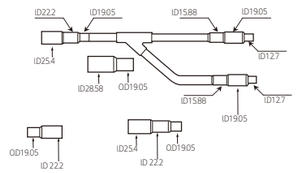
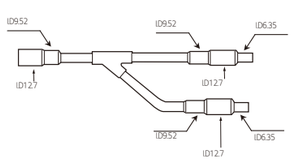
Y Branch and Header Branch

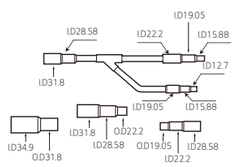
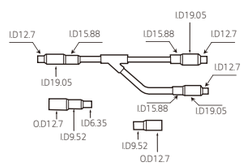
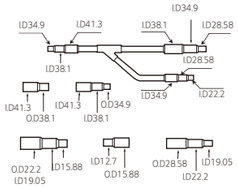
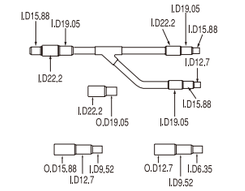
Specification

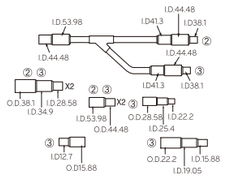
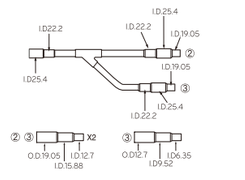
Heat Pump, Heat Recovery Zone Control

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 5, 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		

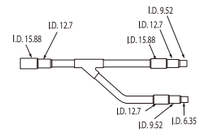
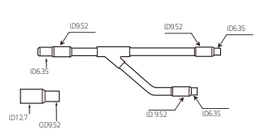
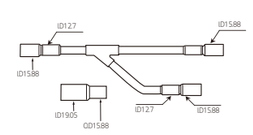
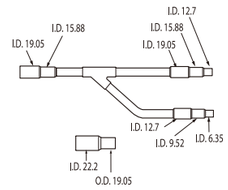
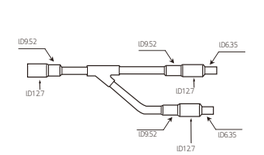
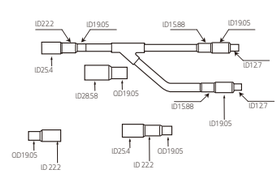
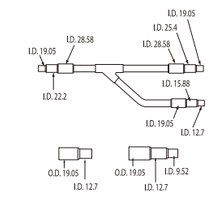
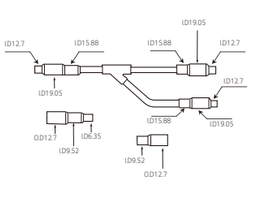
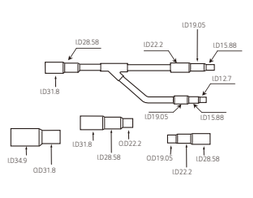
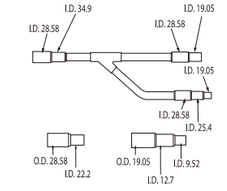
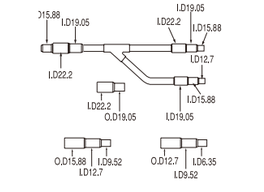
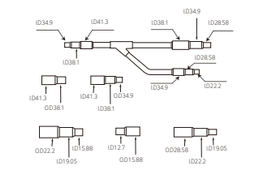
Model	Gas Pipe	Liquid Pipe
ARBLN23220		

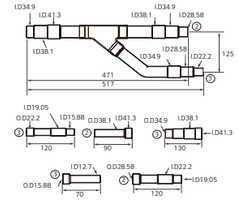
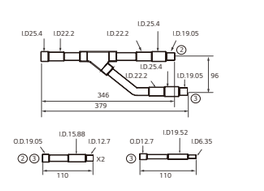
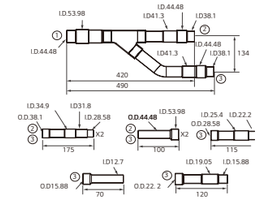
Specification

Heat Recovery

R410A MULTI V 5, MULTI V IV HEAT RECOVERY, MULTI V III HEAT RECOVERY, MULTI V WATER 5, 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			

PIPING ACCESSORIES

Refrigerant Charging Kit

Key Features

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



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.

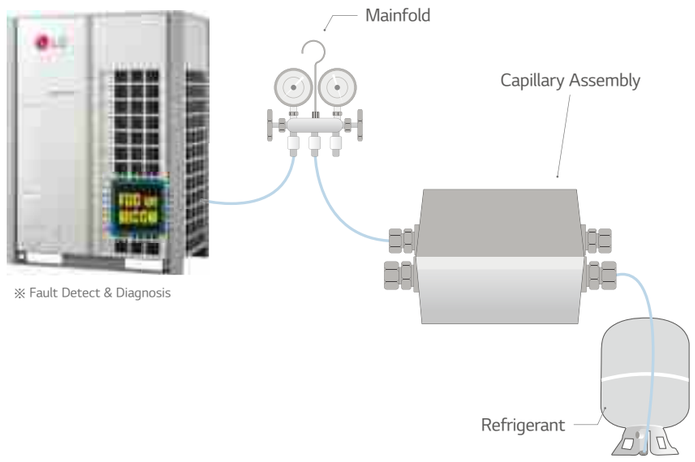
Model Name

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

Key Application



※ Fault Detect & Diagnosis

Drain Hose

Key Features

Easy drain installation.



Model Name

PHDHA05T
PHDHA07T
PHDHA05B
PHDHA07B

Applied Products

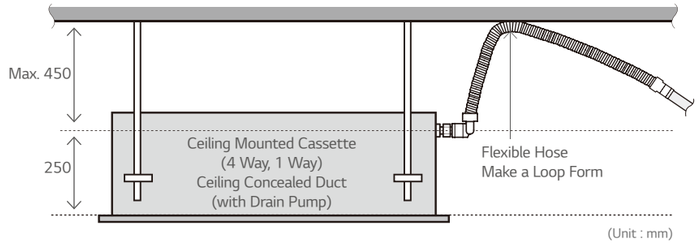
MULTI V Indoor units

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

PIPING ACCESSORIES

Stopper Valves

Key Features

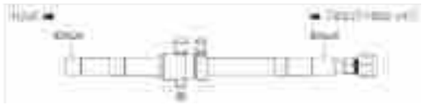


• This unit can be applied for the additional indoor unit's installation.
• This unit can be applied for each indoor unit's service.

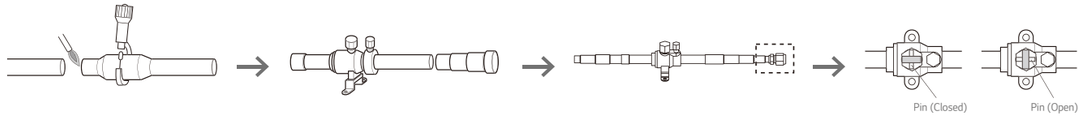
Model Name

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

Specification

Model	Specification
PRVT120	
PRVT780	
PRVT980	

How to Install

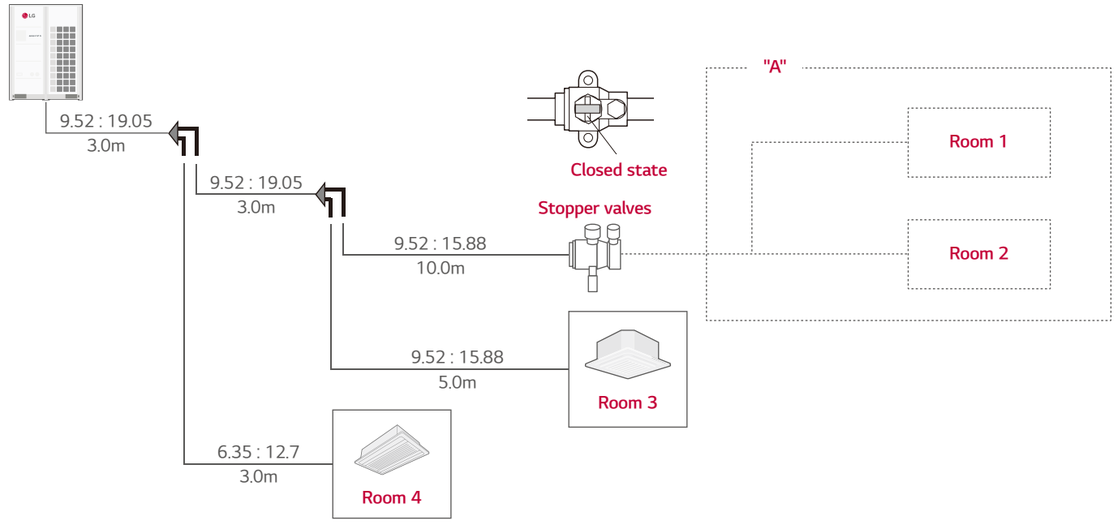


1. Cut the inlet side of the connector, and weld the pipe.
2. If installing additional indoor units, the outlet side connector should be cut according to installation pipe.
3. When installing a stopper valve, the flare part should be facing towards additional indoor unit.
4. When installing an additional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

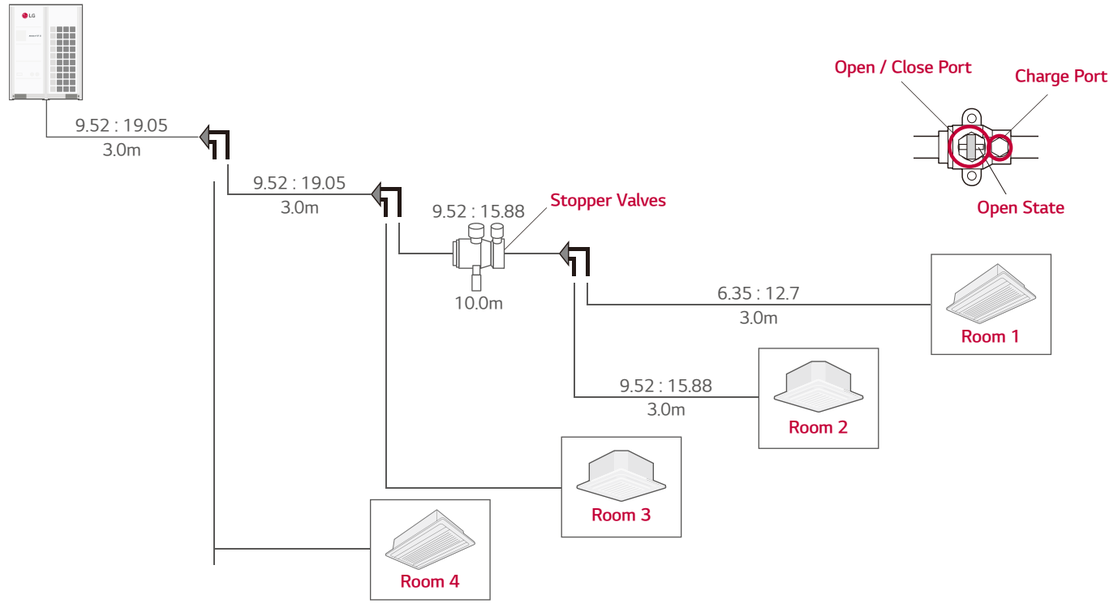
※ When welding, service valve should be wrapped by wet cloth.

Application

(Room 3 & 4 : in use / Room 1 & 2 : need to install indoor units)



• In case of installation of additional indoor unit, refrigerant of used indoor unit must be discharged. (Room 3 & Room 4)
• If stopper valve is already installed, you can install additional indoor unit without refrigerant loss from the entire system.
• After installation of additional indoor unit, you just need refrigerant charging for "A" section.
• Then, open the stopper valve.



MEMO