

OUTDOOR UNITS

MULTI V 5 / MULTI V S / MULTI V M

MULTI V WATER IV (HEAT PUMP / HEAT RECOVERY)



OCEAN BLACK FIN HEAT EXCHANGER

Strong durability regardless of external environment



Ocean Black Fin

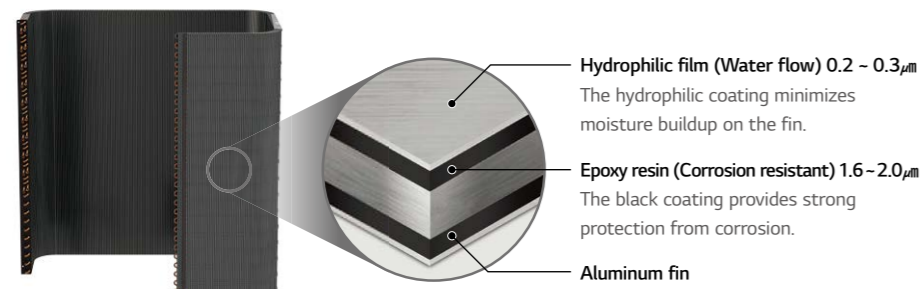
What benefits do you offer?

-  Extended Product Life Cycle
-  Minimal Environmental Pollution
-  Efficient Operation
-  Reduced Maintenance Costs



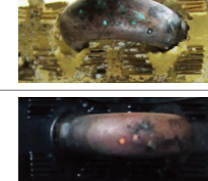



LG's exclusive "Ocean Black Fin" heat exchanger is specially designed for durable and long-lasting performance even in corrosive environments. The black coating is applied for protection from various corrosive external conditions and the hydrophilic film keeps water from accumulating on the heat exchanger's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

Heat Exchanger with Ocean Black Fin 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.



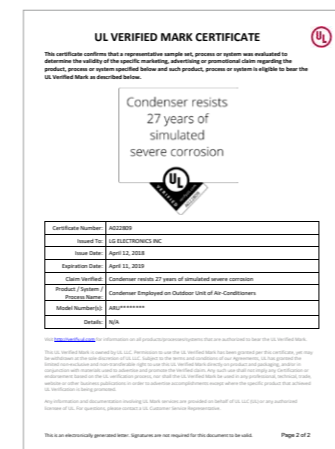
Condition of salt spray test

| Heat Exchanger | Test Period (hr) | | |
|----------------|---|---|---|
| | 1 000 | 2 000 | 3 000 |
| Previous Fin |  |  |  |
| Black Fin |  |  |  |

* Based on in-house testing.
* Test conditions: KS (D 9502), ASTM - B117, Temp: 35+°C / NaCl Concentration: 5% / Avg. spray rate: 1.5 + 0.5 ml / hr

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, UL (Underwriters Laboratories).



* Certificates can be updated.
* TUV certification will be obtained in March 19


DUAL SENSING CONTROL

Energy savings and optimized cooling through temperature and humidity control

Previous VRF

Hot day

SINGLE SENSING CONTROL




Temperature

MULTI V. 5

Hot & Wet day




Hot & Dry day

DUAL SENSING CONTROL



Humidity + Temperature

What benefits do you offer?

-  Energy Reduction
-  Pleasant Indoor Environment
-  Convenient Monitoring with PREMTB100 / PREMTBB10

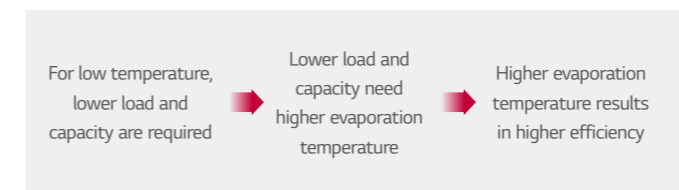
The cooling load is based on the amount of both sensible heat load and latent heat load. Most importantly, the cooling load is kept low, and thus, greatly affected by external humidity, rather than the outdoor temperature. For this reason, MULTI V 5's Dual Sensing Control applied function senses both 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.

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.

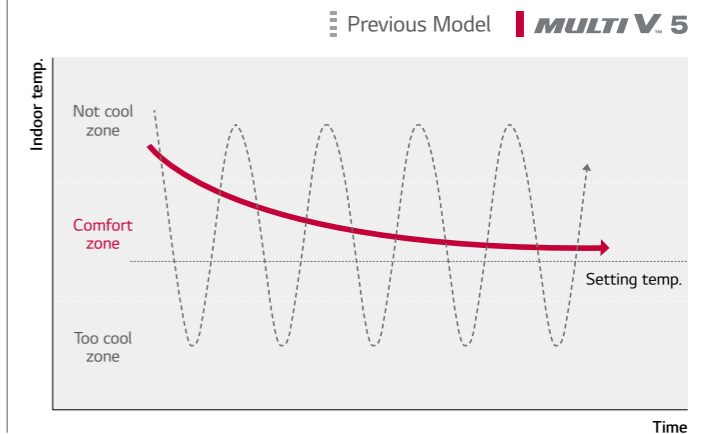
ESEER Up to 21% ↑
(vs. standard mode at 26HP)

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



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's previously required to match the set temperature, users can experience more comfortable indoor environment.



OUTDOOR UNITS
INDOOR UNITS
HOT WATER SOLUTION
VENTILATION SOLUTIONS
CONTROL SOLUTIONS
ACCESSORIES

BIOMIMETICS TECHNOLOGY FAN

Maximum capacity and efficiency

10% Improved Air Flow Rate

20% Reduce Power Consumption

LARGE CAPACITY
WITH BIOMIMETICS TECH

What benefits do you offer?

- Large Capacity
- Low Noise
- Energy Saving

Increased Air Flow Rate (80 mm)

Humpback Whale Design

Clam Shell Pattern

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

Larger Capacity ODU with Biomimetics Technology Fan

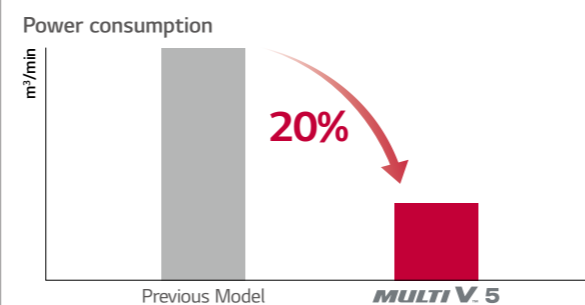
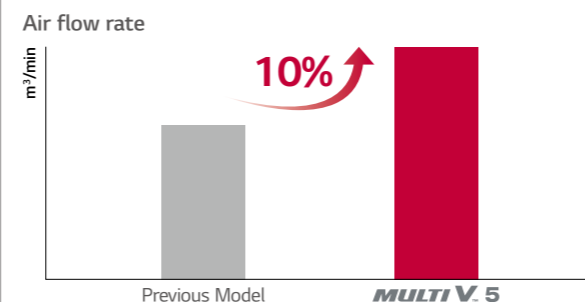
1 Humpback Whale Design
Inspired by the bumps on the humpback whale's flipper, the tubercles on the back side increased wind power by reducing flacking.

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

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

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.



ULTIMATE INVERTER COMPRESSOR

The best durability and efficiency

UI ULTIMATE INVERTER COMPRESSOR

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

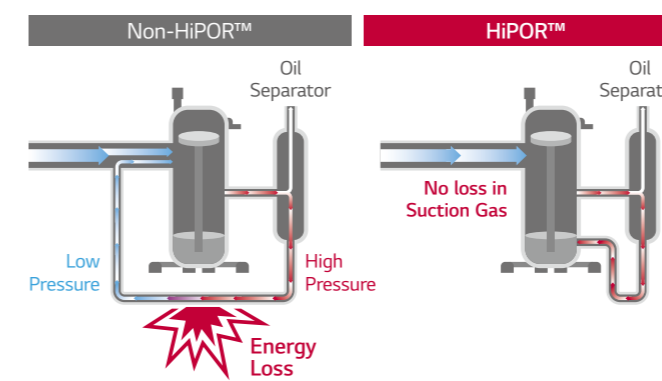
What benefits do you offer?

- High Efficiency
- Low Vibration
- Low Noise
- Excellent Durability

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.

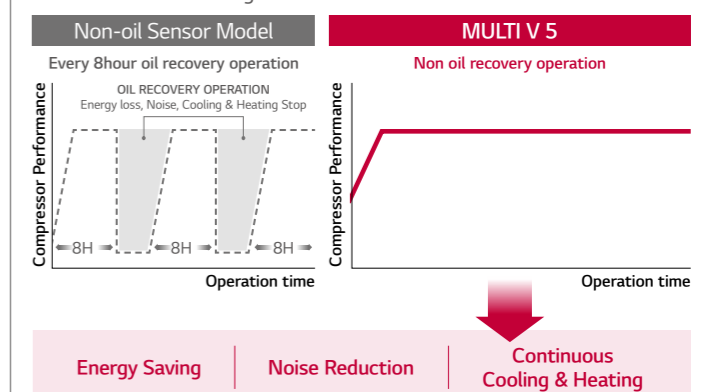
HiPOR™ (High Pressure Oil Return)

Resolve compressor efficiency loss caused by oil return.



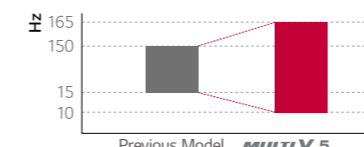
Smart Oil Management

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



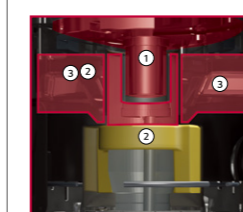
Wide Operation Range from 10 to 165Hz

Wide operation range allows precise control. So improved part load efficiency at all operation ranges.



Enhanced Bearing with PEEK Material

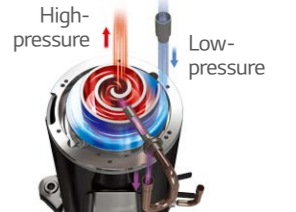
Newly invented system motivated by PEEK (Polyetheretherketone) bearing used for aero engine to increase operation range and durability.



- ① Material : PEEK (Polyetheretherketone)
Strong material used in airplanes
- ①+② Structure : New Outer Bearing
- ③ Supporter : High speed operation with reduction of bearing load and vibration

Vapor Injection

Maximize heating capacity via two-stage compression



CONTINUOUS HEATING

Efficient even in low-temperature, high-humidity environments

* Only for applied ARUMXXX model.

Dual Sensing Control | **Partial Defrost** | **Smart Oil Management**

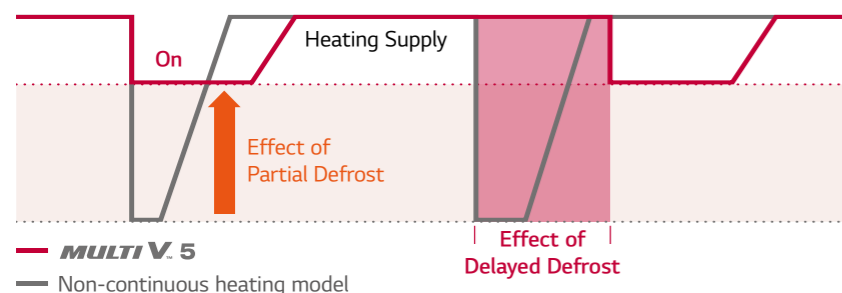
What benefits do you offer?

- Operational Efficiency
- Energy Reduction
- Effective in Various Environments

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.

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%

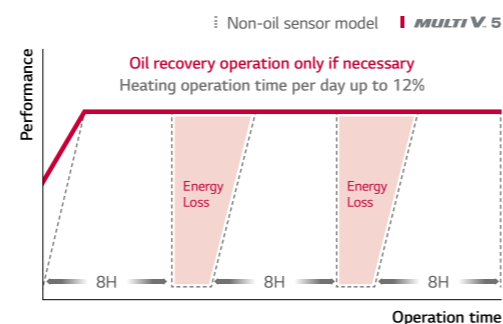
Delayed Defrost via Humidity Sensor of Dual Sensing Control

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



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.



AUTO DUST REMOVAL

TROPICAL MODEL

Enhanced stability from environmental constraints

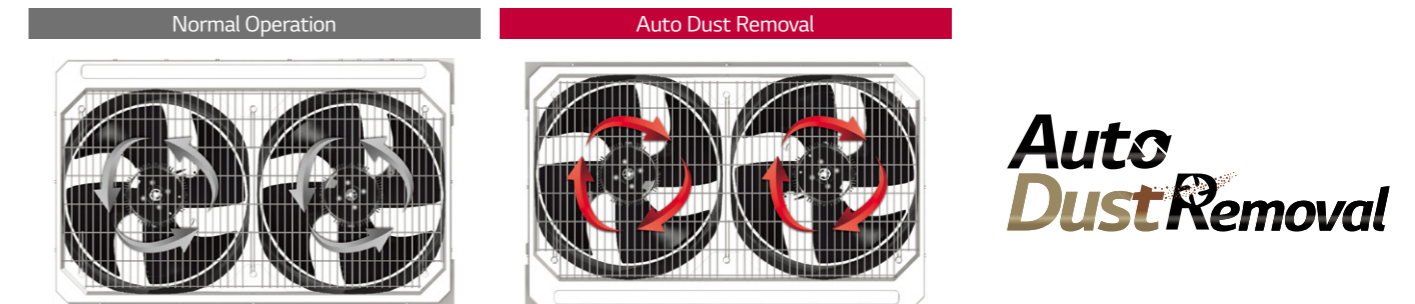
What benefits do you offer?

- Stable Operation
- Response to Certain Natural Environments
- Enhanced Durability
- Reduced Maintenance Costs

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.

Technology Mechanism

Fan rotates **reversely** to run sand dust free operation

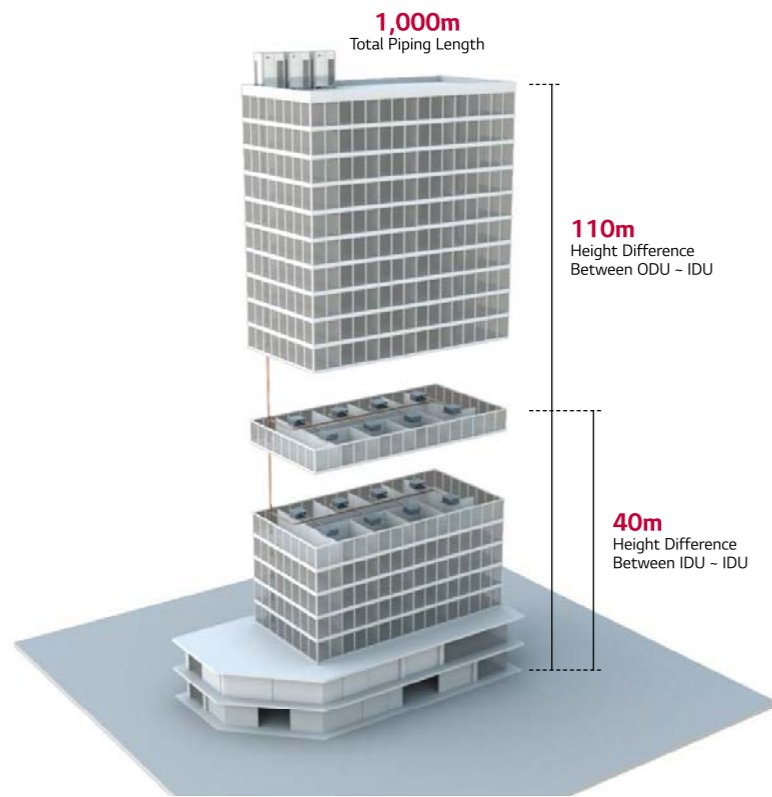


Performance Comparison



MULTI V 5

Piping Length



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

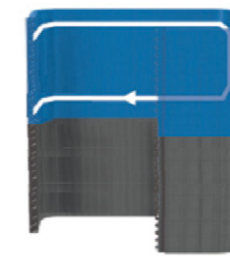
Variable Path Heat Exchanger

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

Active Refrigerant Control

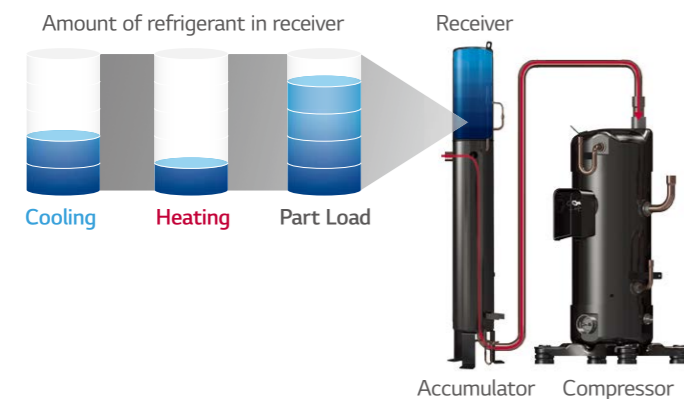
Stable operation & Sustaining most efficient operation

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.

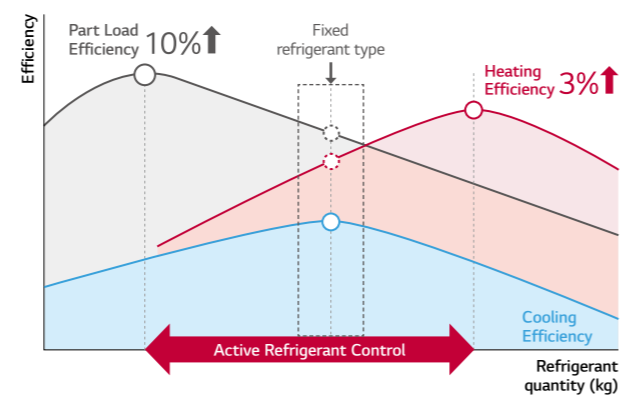
What are the benefits?

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.

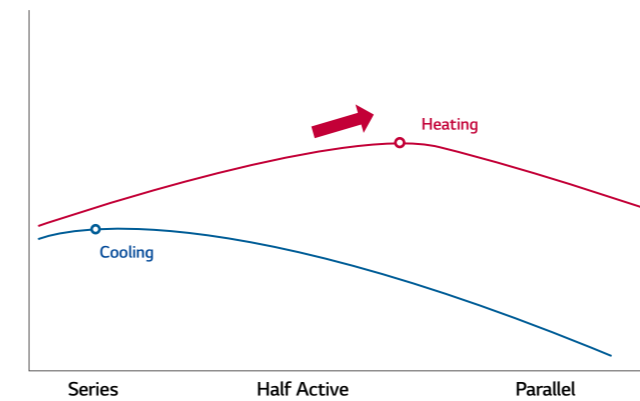
Technology mechanism



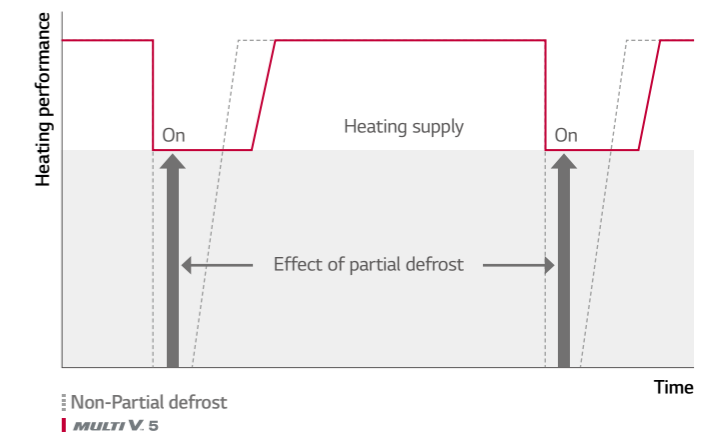
Efficiency performance



Efficiency



Continuous Heating



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

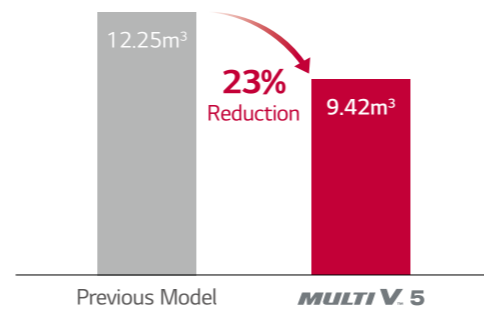
Flexible Installation Space with Large Capacity Outdoor Units

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.

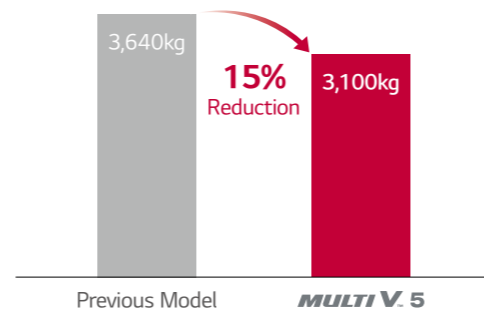
Comparison on installation space



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) Outdoor ambient relative humidity (when enabled)

Cooling Indoor Units - adjusts target low pressure

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

Heating Indoor Units - adjusts target high pressure

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

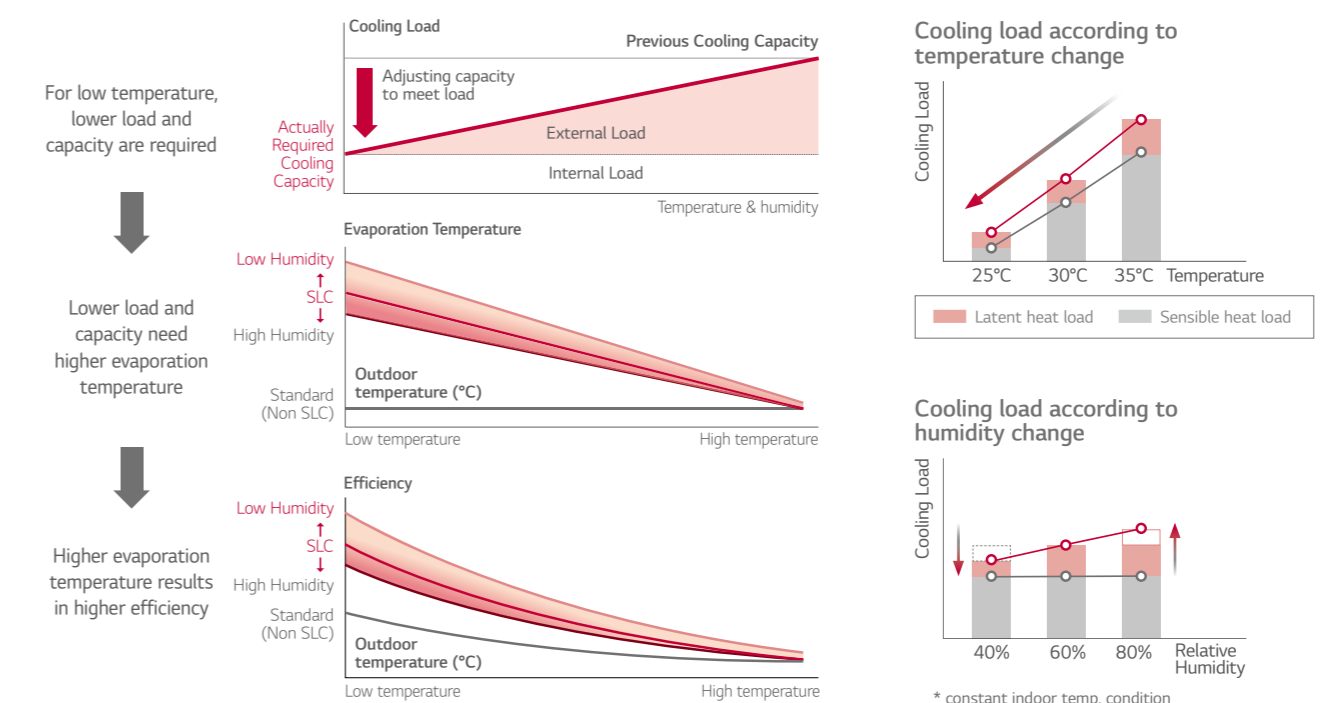
What are the benefits?

Enhanced energy savings

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

Increased indoor comfort

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



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.

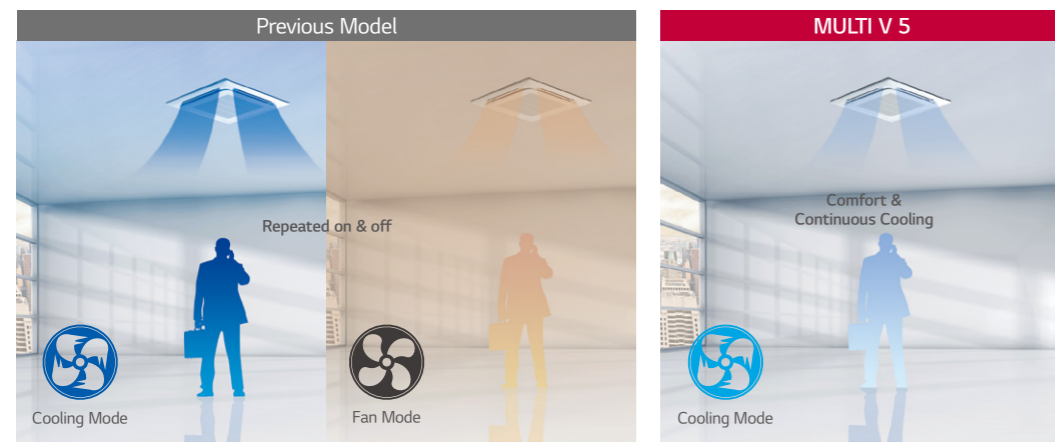
What are the benefits?

Increased indoor comfort

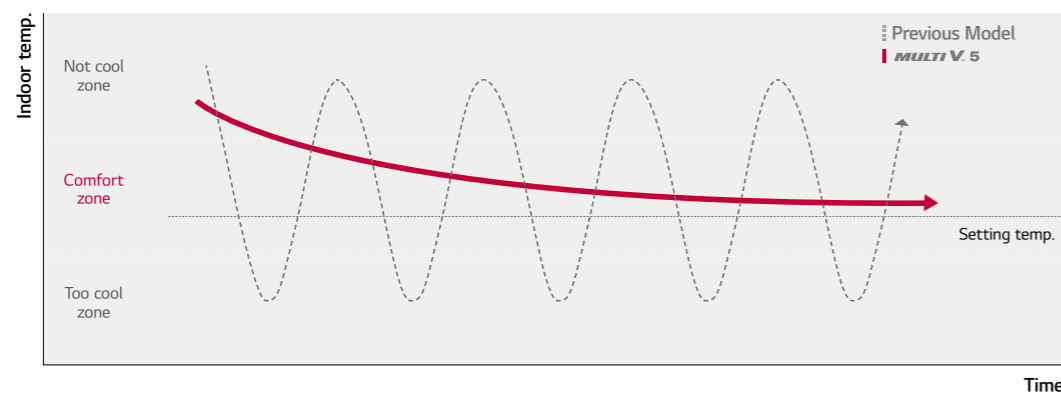
If comfort cooling is turned off, and the temperature of the leaving air is not raised, when the fan speed is reduced to low speed, there is a potential that occupants located directly under a cassette IDU or supply air registers could feel cold air falling on them resulting in a lower overall comfort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



* Indoor unit set up available with Standard III Remote Controller



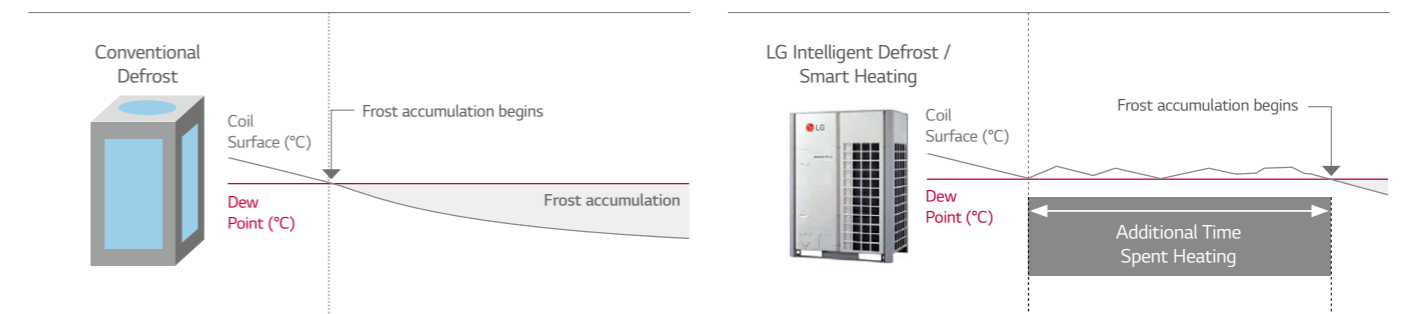
Intelligent Defrost

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

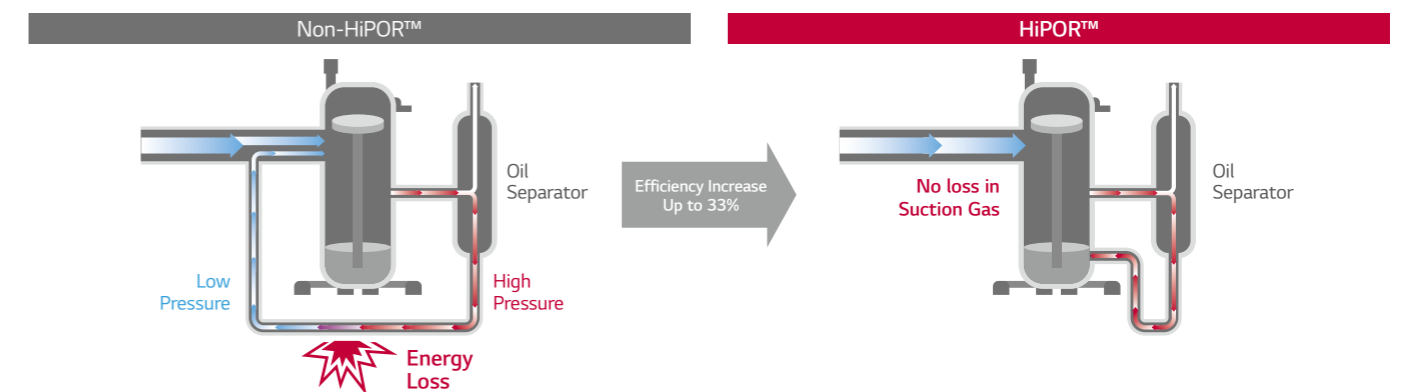
HiPOR™

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 = 37.9C°, Te : 7.2°C

MULTI V 5

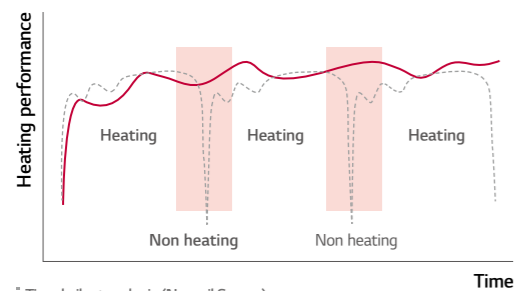
Smart Oil Management

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?

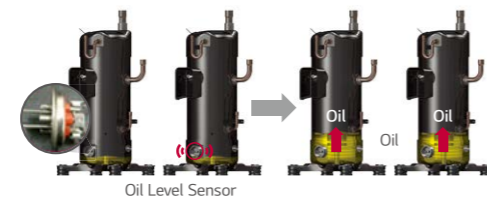
Energy savings compared with other systems. Fewer oil return cycles eliminates unnecessary energy consumption. Increases system heating run-time during winter operation. Increases compressor reliability.



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



Auto Oil Balancing



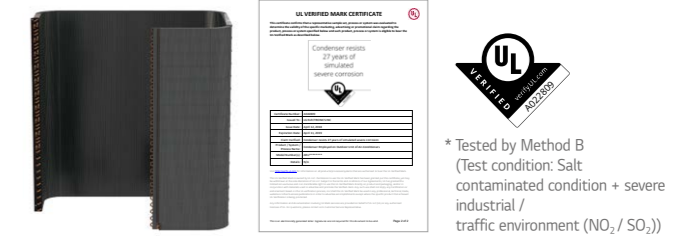
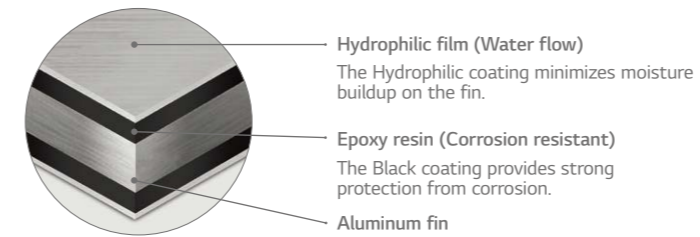
Ocean Black Fin

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, UL (Underwriters Laboratories).

What are the benefits?

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



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 x 10 ⁻⁶ | 5 x 10 ⁻⁶ |

Sub-cooling & Vapor Injection

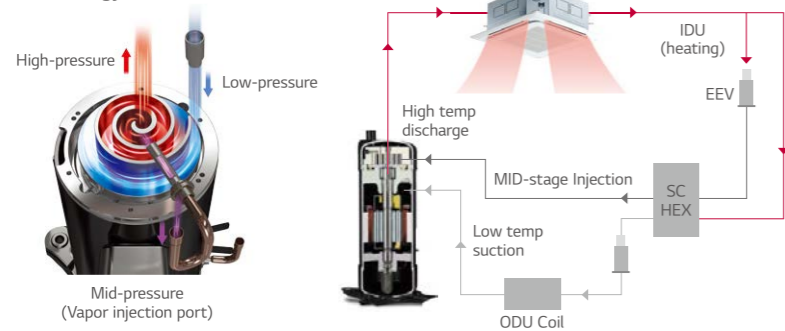
Increased heating performance

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

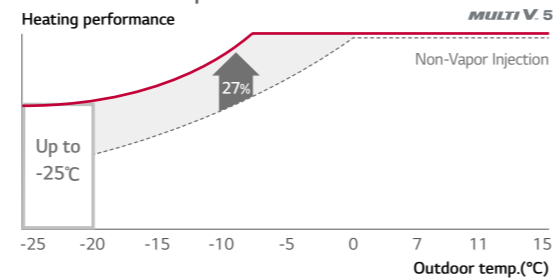
What are the benefits?

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

Technology Mechanism



Performance Comparison



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

Biomimetic Fan

Maximized performance

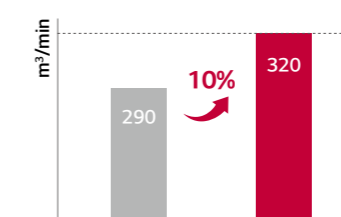
MULTI V 5 outdoor units fans have been upgraded. The moire pattern from external texture of clam shells has been applied on fans to create the range difference that results in reduction of noise level. At the same time, unlike the fans installed in previous products that generate separation of flow due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

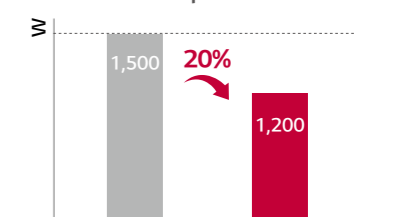


Air Flow Rate



* Comparison based on 20HP model

Power Consumption



* Comparison based on air volume of 290m³/min

MULTI V 5

One Unified Model

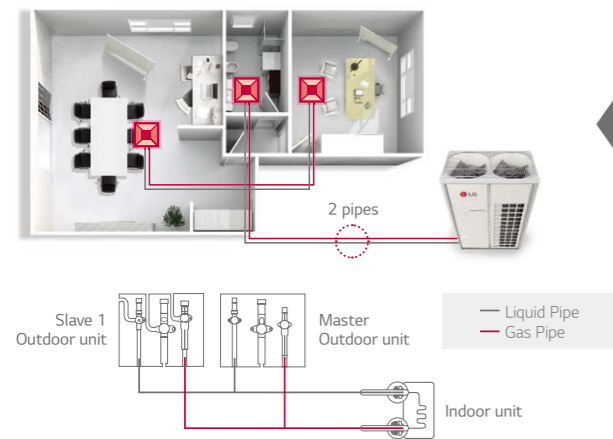
Heat pump / Heat recovery with one platform

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.

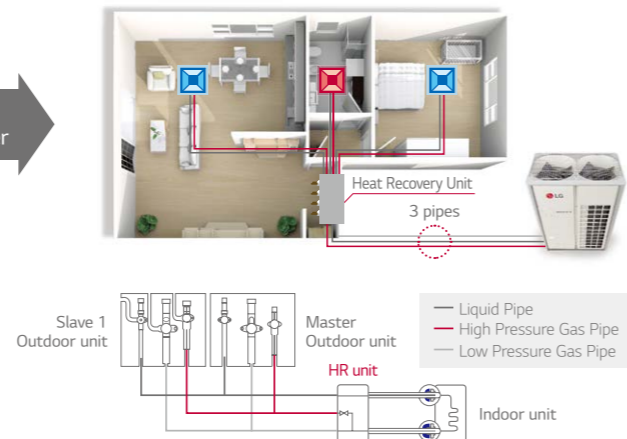
What are the benefits?

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.

Heat Pump System



Heat Recovery System



Type Changeover

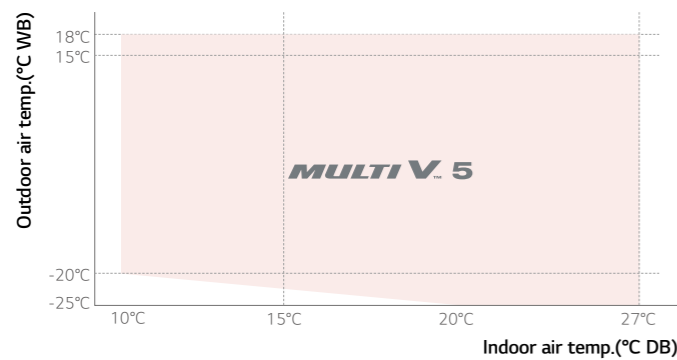
Wider Operation Range

Able to operate at extreme conditions

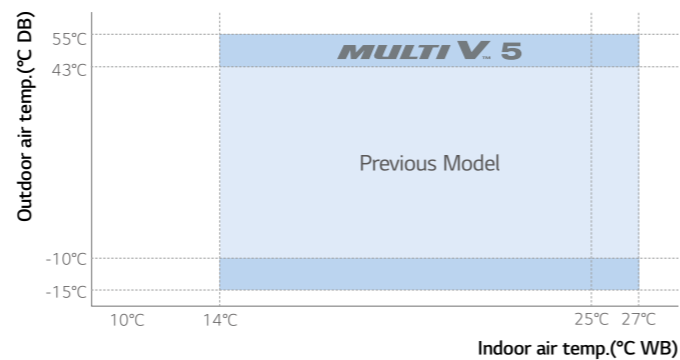
With enhanced inverter compressor and control technology coming from improved inverter cooling technology, sub-cooling and vapor injection, MULTI V 5 extended range of cooling and heating operations. For heating, it can operate at as low as -25°C to perform properly even at very cold environment. It 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

Heating

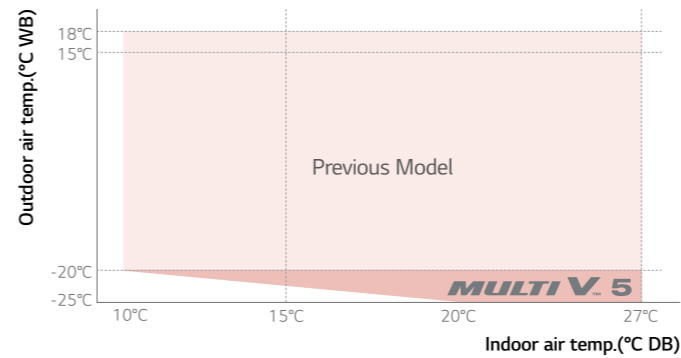


Cooling

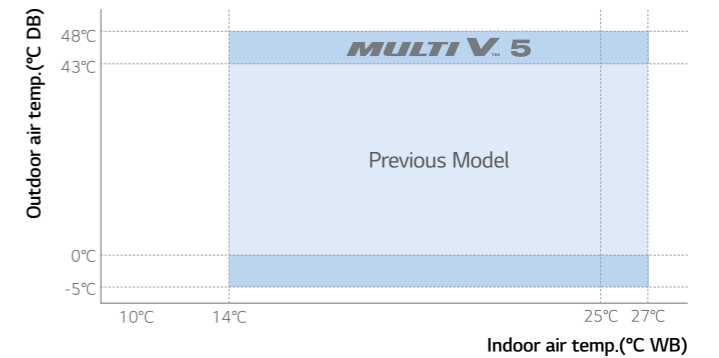


TROPICAL MODEL

Heating



Cooling



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

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 wellaware of more than 40 different functional settings and more than 200 error codes had to check main parts in order to make sure that the test run had succeeded. With Mobile LGMV of MULTI V 5, fast and accurate auto test run can be executed and the professional installer running the test can receive test results via email, which shortens installation hours and increases overall efficiency in installation processes.

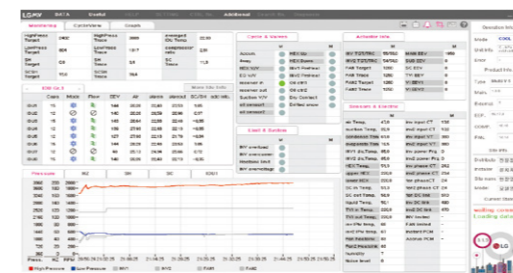
Previous



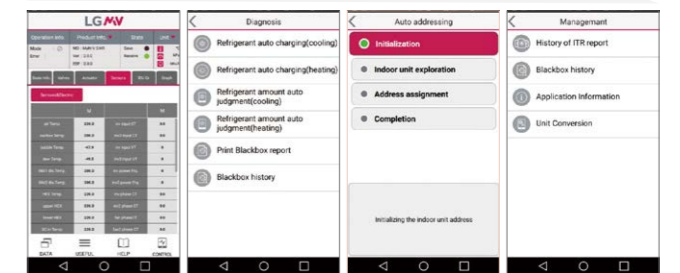
MULTI V 5



Wi-Fi MV Module



LGMV



Cycle Monitoring Diagnosis Installation Smart Management

MULTI V 5

Outside Units Function

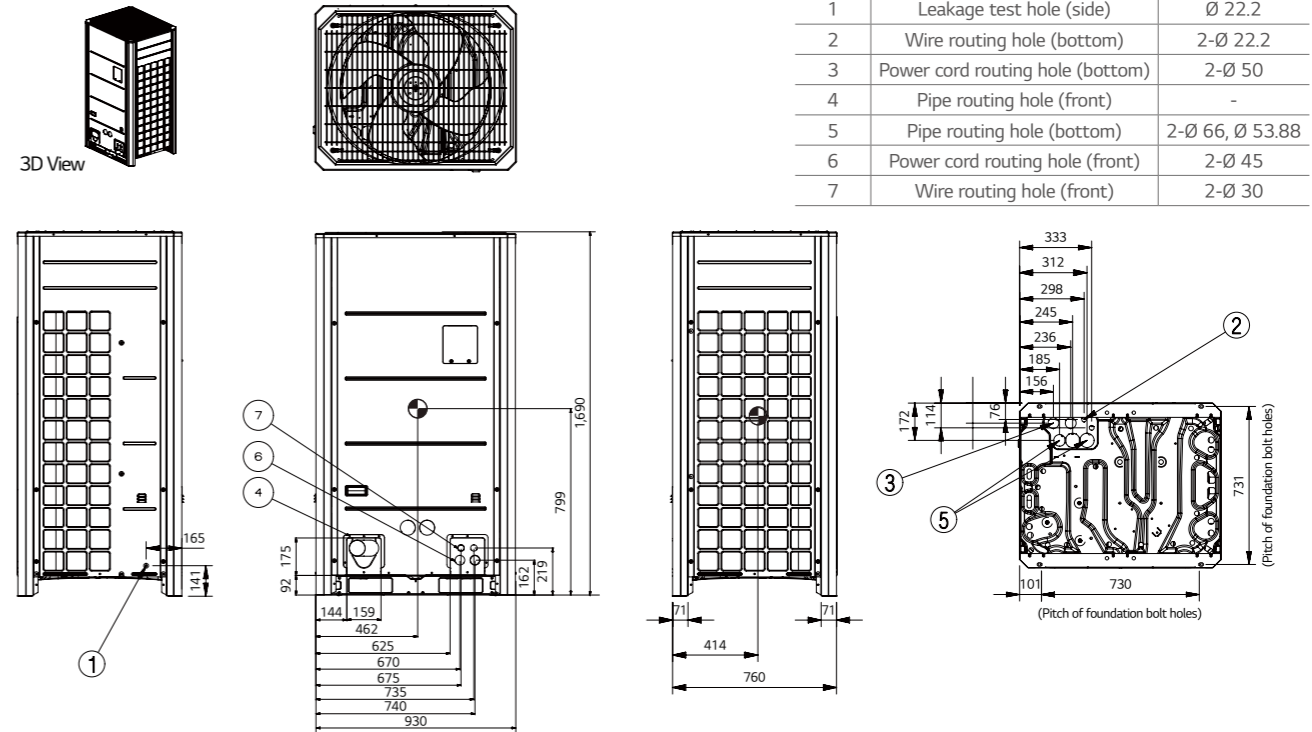
| Category | Functions | MULTI V 5 | | | | |
|------------------------------------|--|---------------------------|------------|-----------------|------------|------------|
| | | Non-Tropical | | Tropical | | |
| | | High Efficiency | Standard | High Efficiency | Standard | |
| Key Refrigerant components | Variable Path of Outdoor Units HEX | ○ | - | - | - | |
| | HiPOR™ (High Pressure Oil Return) | ○ | ○ | ○ | ○ | |
| | Humidity Sensor | ○ | ○ | ○ | ○ | |
| | Anti Corrosion Black Fin | ○ | ○ | ○ | ○ | |
| | Oil Sensor | ○ | ○ | ○ | ○* | |
| Useful Function | Dual Sensing | ○ | ○ | ○ | ○ | |
| | Low Noise Operation | ○ | ○ | ○ | ○ | |
| | High Static Mode of Outdoor Units Fan | ○ | ○ | ○ | ○ | |
| | Partial Defrosting | ○ | - | - | - | |
| | Auto Dust Cleaning of Outdoor Units (Fan Reverse Rotation) | ○ | ○ | ○ | ○ | |
| | Indoor Cooling Comfort Mode Based Outdoor Temperature | ○ | ○ | ○ | ○ | |
| | Smart Load Control (SLC) (Changing Indoor Discharge Air Temperature According to Load) | ○ | ○ | ○ | ○ | |
| Reliability | Outdoor Unit Control Refer to Humidity | ○ | ○ | ○ | ○ | |
| | Defrost / Deicing | ○ | ○ | ○ | ○ | |
| | High Pressure Switch | ○ | ○ | ○ | ○ | |
| | Phase Protection | ○ | ○ | ○ | ○ | |
| | Restart Delay (3-minutes) | ○ | ○ | ○ | ○ | |
| | Self Diagnosis | ○ | ○ | ○ | ○ | |
| | Soft Start | ○ | ○ | ○ | ○ | |
| | Test Run Function | ○ | ○ | ○ | ○ | |
| | Central Controller | AC Ez (Simple Controller) | PQCSZ250S0 | PQCSZ250S0 | PQCSZ250S0 | PQCSZ250S0 |
| | | AC Ez Touch | PACEZA000 | PACEZA000 | PACEZA000 | PACEZA000 |
| AC Smart IV | | PACS4B000 | PACS4B000 | PACS4B000 | PACS4B000 | |
| AC Smart 5 | | PACS5A000 | PACS5A000 | PACS5A000 | PACS5A000 | |
| ACP (Advanced Control Platform) IV | | PACP4B000 | PACP4B000 | PACP4B000 | PACP4B000 | |
| ACP (Advanced Control Platform) 5 | | PACP5A000 | PACP5A000 | PACP5A000 | PACP5A000 | |
| AC Manager 5 | | PACM5A000 | PACM5A000 | PACM5A000 | PACM5A000 | |
| BNU (Building Network Unit) | | ACP Lonworks | PLNWKB000 | PLNWKB000 | PLNWKB000 | PLNWKB000 |
| | ACP BACnet | PQNFB17C0 | PQNFB17C0 | PQNFB17C0 | PQNFB17C0 | |
| Installation | Refrigerant Charging Kit | PRAC1 | PRAC1 | PRAC1 | PRAC1 | |
| | Variable Water Flow Valve Control Kit | - | - | - | - | |
| PDI (Power Distribution Indicator) | Standard | PPWRDB000 | PPWRDB000 | PPWRDB000 | PPWRDB000 | |
| | Premium | PQNUD1S40 | PQNUD1S40 | PQNUD1S40 | PQNUD1S40 | |
| Cool / Heat Selector | | PRDSBM | PRDSBM | PRDSBM | PRDSBM | |
| Low Ambient Kit | | PRVC2 | PRVC2 | PRVC2 | PRVC2 | |
| IO Module (ODU Dry Contact) | | PVDSMN000 | PVDSMN000 | PVDSMN000 | PVDSMN000 | |
| Cycle Monitoring Device | LGMV | PRCTILO | PRCTILO | PRCTILO | PRCTILO | |
| | Mobile LGMV | PLGMVW100 | PLGMVW100 | PLGMVW100 | PLGMVW100 | |

Note
 ○ : Product internal function, - : Not applied
 Option: Refer to model name in table
 * 8HP, 10HP Models are without oil sensor

Dimension

ARUM080LTE5 / ARUM100LTE5 / ARUM120LTE5

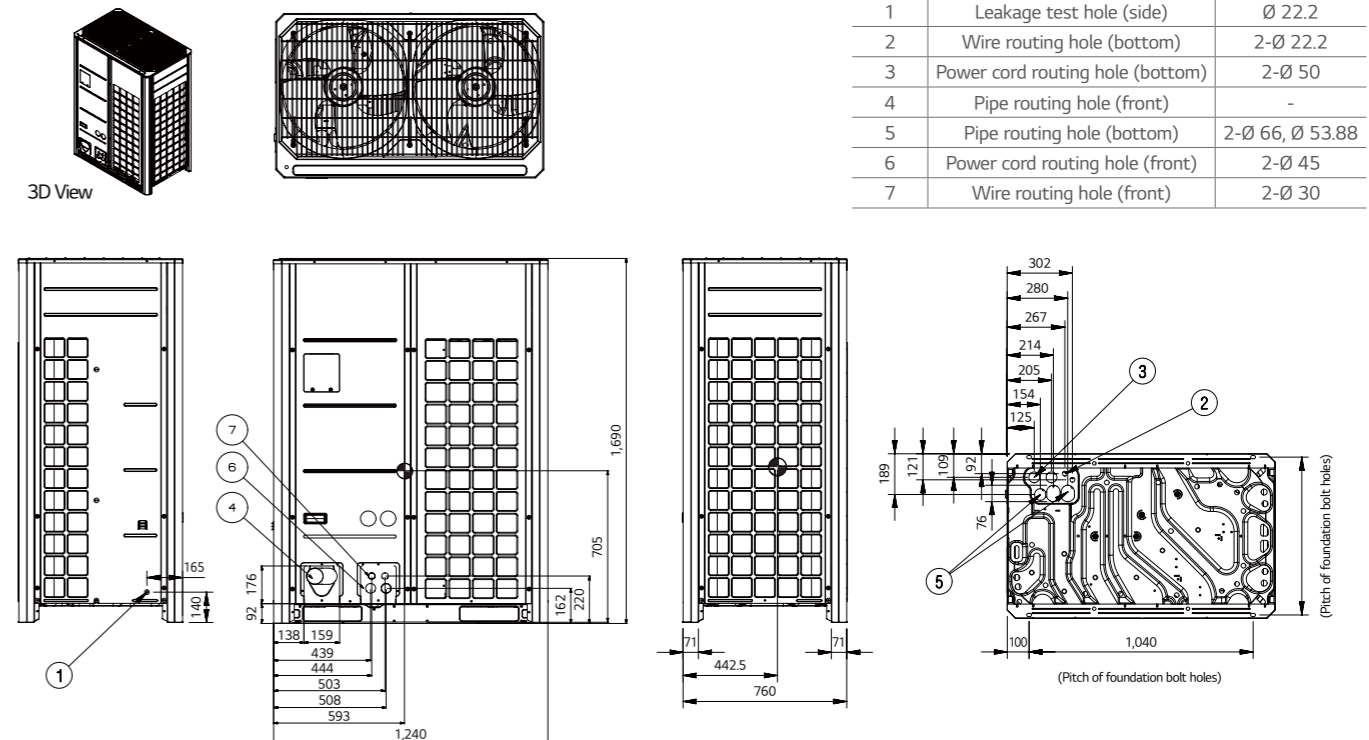
[Unit : mm]



| No. | Part Name | Description |
|-----|----------------------------------|-----------------|
| 1 | Leakage test hole (side) | Ø 22.2 |
| 2 | Wire routing hole (bottom) | 2-Ø 22.2 |
| 3 | Power cord routing hole (bottom) | 2-Ø 50 |
| 4 | Pipe routing hole (front) | - |
| 5 | Pipe routing hole (bottom) | 2-Ø 66, Ø 53.88 |
| 6 | Power cord routing hole (front) | 2-Ø 45 |
| 7 | Wire routing hole (front) | 2-Ø 30 |

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

[Unit : mm]



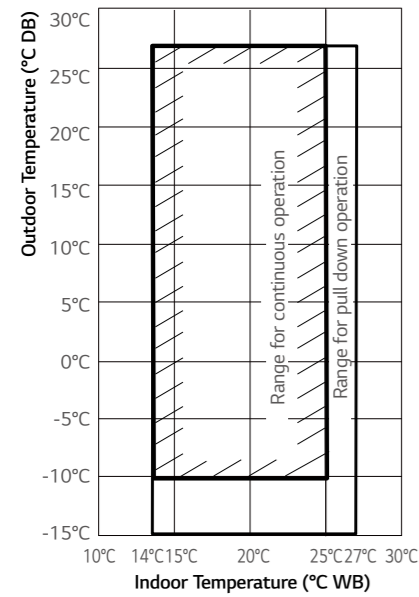
| No. | Part Name | Description |
|-----|----------------------------------|-----------------|
| 1 | Leakage test hole (side) | Ø 22.2 |
| 2 | Wire routing hole (bottom) | 2-Ø 22.2 |
| 3 | Power cord routing hole (bottom) | 2-Ø 50 |
| 4 | Pipe routing hole (front) | - |
| 5 | Pipe routing hole (bottom) | 2-Ø 66, Ø 53.88 |
| 6 | Power cord routing hole (front) | 2-Ø 45 |
| 7 | Wire routing hole (front) | 2-Ø 30 |

MULTI V 5

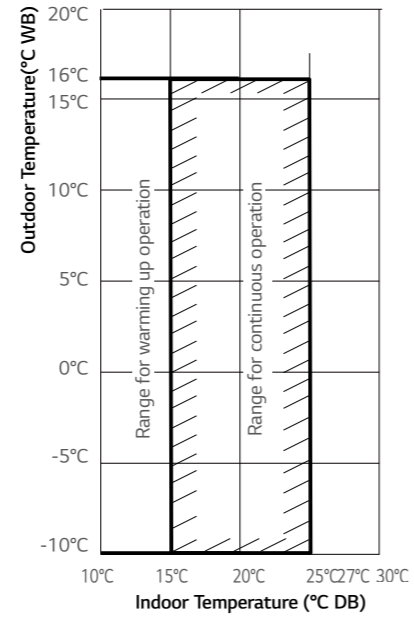
Wider Operation Range

Simultaneous Cooling / Heating Operation

Cooling



Heating



Note

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

MULTI V 5

Q1 What is the differences between MULTI V 5 Function by region?

A1 The portion of cooling operation hours at low humidity condition (below 50% RH) is big. The cooling load of this condition is less than the load at standard(50~70% RH) or high(over 70% RH) humidity condition even in the same outdoor air temperature. MULTI V 5 raises the evaporating Temp. up at low load(low humidity) condition to enable energy saving and prevent over-cooling which can happen when the system is controlled only by using outdoor air Temp.

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

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

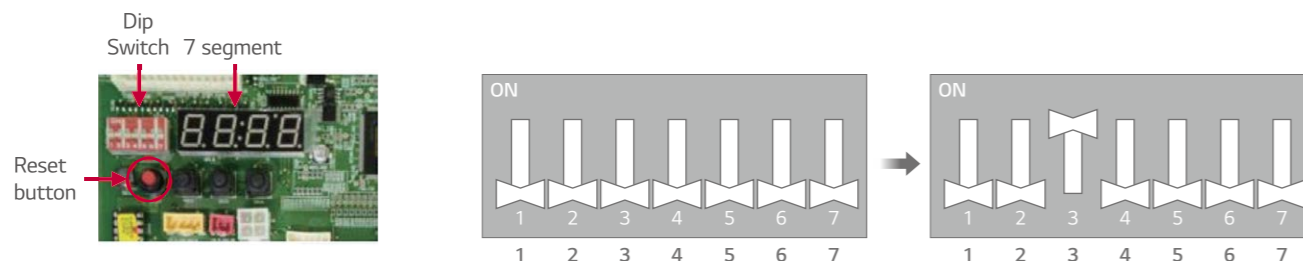
A2 Yes, MULTI V 5 ODU can be connected with the 2 series indoor unit. In this case, the ODU DIP Switch No.3 should be "OFF" which is default setting. Refer to the below table.

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

ODU dip switch setting procedure (No.3)

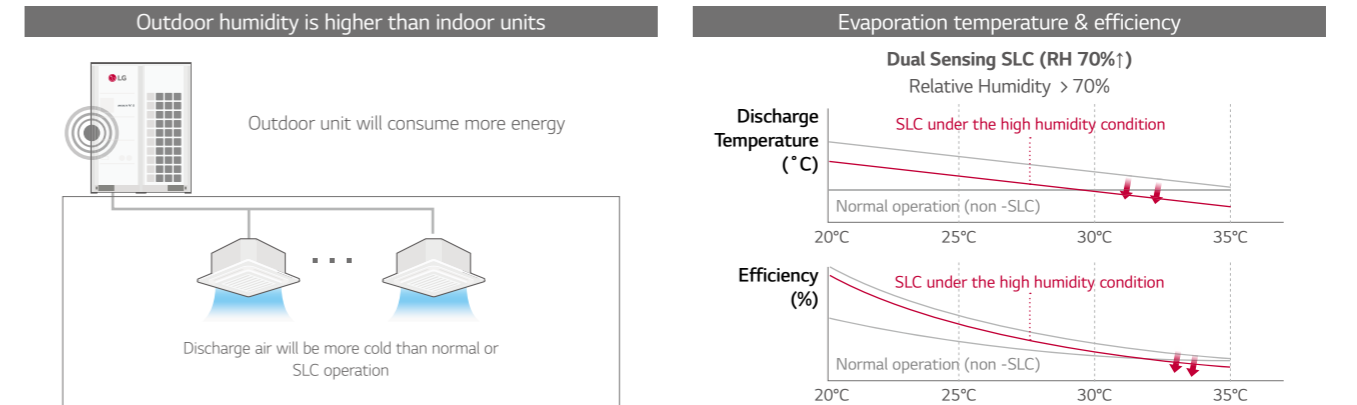
ODU main PCB dip switch is all "OFF" at default state

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

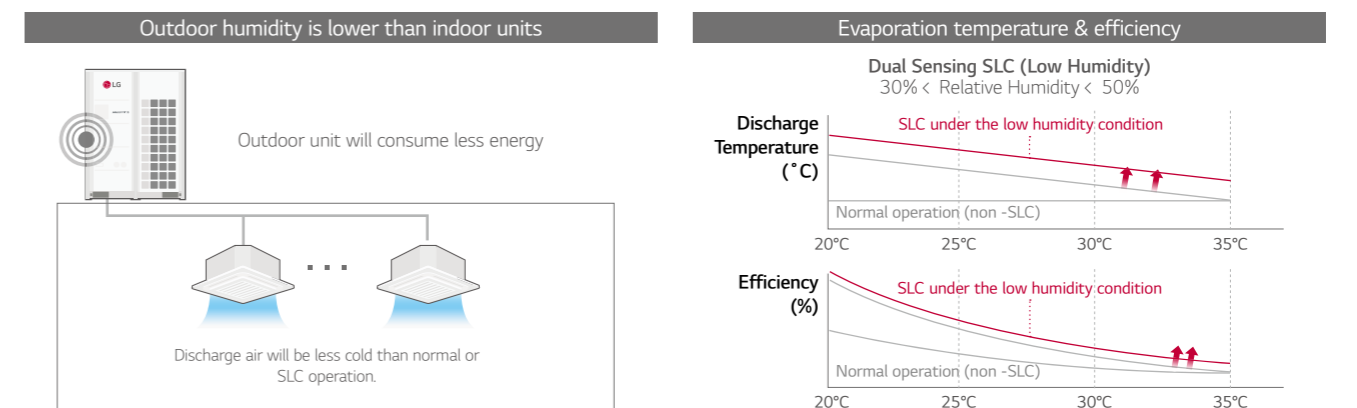


Q3 How does MULTI V 5 operate when humidity reference of the dual sensing SLC is that of the outdoor?

A3 During dual sensing SLC, outdoor unit changes target pressure of the system referring to temperature and humidity in cooling mode.
 - When the humidity of outdoor side is higher than that of indoor side, outdoor unit will lower target pressure to remove humidity, thus outdoor unit will consume more energy and indoor will be more cooled compared to SLC operation but more efficiency than normal operation



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



To keep comfort and save energy you may turn off outdoor units humidity sensing or propose to install new standard remote controller in order to sensing indoor humidity.

Sensing point

SLC Setting

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

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

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

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

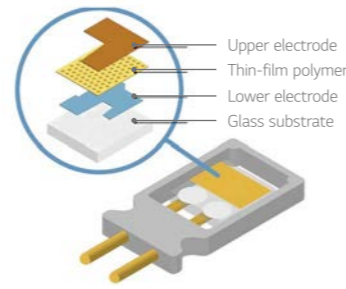
NOTE : User can turn off humidity control in ODU Setting (humidity reference)
 <Setting summary> ODU DIP-SW01 #5 On > Func > Fn16 > Off

MULTI V 5

Q4 What is the principle and accuracy of humidity sensor?

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

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



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

Q5 What is difference in refrigerant piping connection between MULTI V IV and MULTI V 5

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

* Only for applied ARUMXXXLTES

Heat Recovery Installation

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

Heat Pump Installation

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

Reducer for Gas Pipe

| | | |
|-------|---|-------|
| 15.88 | → | 19.05 |
| 19.05 | → | 22.2 |
| 22.2 | → | 28.58 |

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

Other Questions

| Item | Question | Answer |
|-------------------|--|---|
| Fan | The static pressure of MULTI V 5 is Max. 8 mmAq as MULTI V IV?? | Yes, the static pressure of MULTI V 5 is the same with MULTI V IV. |
| Compressor | Is the limitation of Compressor max. Hz applied by the capacity of outdoor unit? | No, the limitation of comp Hz is not applied for default. But, it can be set by option for limitation of max Hz (or current). |
| 4Way V/V | The usage of main & sub 4 way valve for MULTI V 5 ? | MULTI V 5 has the function of both H/P and H/R by one unit. Main valve has a function to change the operation mode. (cooling ↔ heating) Sub. Valve has a functions to change the product type (H/P ↔ H/R) |
| VI | In case of vapor injection, how much is the middle pressure? | The optimal middle pressure for vapor injection is 1.2 PS. PS : Suction pressure of compressor |
| VI | By how much is heating capacity increased by vapor injection? | Generally, the heating capacity is increased up to 15~20%. |
| Humidity Sensor | Where is Indoor Humidity sensor? | It is placed inside of the RS3 remote controller. |
| Remote Controller | Does remote controller show the humidity information (status) as well? | Yes. It shows the current humidity information on screen. (for RS3 Only) But has no function to control the humidity |
| Remote Controller | Is it possible to connect the local humidity sensor with Remote controller (RS3)? | No. All of RS3 remote controller can not be connected with local humidity sensor. |
| SLC | Does dual sensing SLC function control the humidity ratio? | No. There is no control of humidity ratio. |
| SLC | Is SLC fully used on Eurovent? Isn't humidity fixed for the test? What about AHRI? | Eurovent (RH 47%) and AHRI (RH 51%) have fixed humidity test condition. |
| Comfort Cooling | Why is not the comfort heating applied in product? | Comfort cooling need super heating controlled and Comfort heating need sub cooling controlled. In case of controlling EEV for sub cooling, noise and stable operation may be affected and critical. |
| Installation | Does the IDU – Central controller direct connection for communication cable is possible? (Flat connection) | No, it is not possible. |

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM080LTE5 / ARUM100LTE5 / ARUM120LTE5 / ARUM140LTE5 / ARUM160LTE5

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



| HP | | | 8 | 10 | 12 | 14 | 16 |
|--|---------------------------------|---------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUM080LTE5 | ARUM100LTE5 | ARUM120LTE5 | ARUM140LTE5 | ARUM160LTE5 |
| | Independent Unit | | ARUM080LTE5 | ARUM100LTE5 | ARUM120LTE5 | ARUM140LTE5 | ARUM160LTE5 |
| Capacity | Cooling (Rated) | kW | 22.4 | 28.0 | 33.6 | 39.2 | 44.8 |
| | Heating (Rated) | kW | 22.4 | 28.0 | 33.6 | 39.2 | 44.8 |
| | Heating (Max) | kW | 25.2 | 31.5 | 37.8 | 44.1 | 50.4 |
| Input | Cooling (Rated) | kW | 4.49 | 5.80 | 7.58 | 8.68 | 10.89 |
| | Heating (Rated) | kW | 3.97 | 4.92 | 6.85 | 8.13 | 10.28 |
| | Heating (Max) | kW | 4.78 | 5.92 | 8.26 | 9.72 | 12.39 |
| EER | | | 4.99 | 4.83 | 4.43 | 4.52 | 4.11 |
| ESEER | | | 8.41 | 8.13 | 7.47 | 7.33 | 6.59 |
| ESEER (SLC) | | | 9.46 | 9.15 | 8.60 | 8.26 | 7.79 |
| COP | COP (Rated) | | 5.64 | 5.69 | 4.91 | 4.82 | 4.36 |
| | COP (Max) | | 5.27 | 5.32 | 4.58 | 4.54 | 4.07 |
| Casing Color | | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output x Number | W x No. | 4,200 x 1 | 5,300 x 1 | 5,300 x 1 | 5,300 x 1 | 5,300 x 1 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Air Flow Rate (High) | m ³ /min | 240 x 1 | 240 x 1 | 240 x 1 | 320 x 1 | 320 x 1 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Liquid Pipe | mm(inch) | 9.52(3/8) | 9.52(3/8) | 12.7(1/2) | 12.7(1/2) | 12.7(1/2) |
| Low Pressure Gas Pipe | mm(inch) | 19.05(3/4) | 22.2(7/8) | 28.58(1-1/8) | 28.58(1-1/8) | 28.58(1-1/8) | |
| High Pressure Gas Pipe | mm(inch) | 15.88(5/8) | 19.05(3/4) | 19.05(3/4) | 22.2(7/8) | 22.2(7/8) | |
| 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 | (1,240 x 1,690 x 760)x1 | (1,240 x 1,690 x 760)x1 |
| Net Weight | kg | | 198 x 1 | 215 x 1 | 215 x 1 | 237 x 1 | 237 x 1 |
| Sound Pressure Level | Cooling | dB(A) | 58.0 | 58.0 | 59.0 | 60.0 | 60.5 |
| | Heating | dB(A) | 59.0 | 59.0 | 60.0 | 61.0 | 61.5 |
| Sound Power Level | Cooling | dB(A) | 84.0 | 85.0 | 86.0 | 89.0 | 90.0 |
| | Heating | dB(A) | 87.0 | 88.0 | 89.0 | 93.0 | 94.0 |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 7.5 | 9.5 | 9.5 | 13.5 | 13.5 |
| | | lbs | 16.5 | 20.9 | 20.9 | 29.8 | 29.8 |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| | t-CO ₂ eq | | 15.7 | 19.8 | 19.8 | 28.2 | 28.2 |
| Control | | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc | 3,900 | 3,900 | 3,900 | 3,900 | 3,900 |
| Power Supply | | ∅, V, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 13(20) | 16(25) | 20(30) | 23(35) | 26(40) |

* This product contains Fluorinated Greenhouse Gases. (R410A)

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM180LTE5 / ARUM200LTE5 / ARUM220LTE5
ARUM221LTE5 / ARUM240LTE5

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



| HP | | | 18 | 20 | 22 | 22' | 24 |
|--|---------------------------------|---------------------|----------------------------|----------------------------|----------------------------|--|----------------------------|
| Model Name | Combination Unit | | ARUM180LTE5 | ARUM200LTE5 | ARUM220LTE5 | ARUM221LTE5 | ARUM240LTE5 |
| | Independent Unit | | ARUM180LTE5 | ARUM200LTE5 | ARUM220LTE5 | ARUM120LTE5 ARUM100LTE5 | ARUM240LTE5 |
| Capacity | Cooling (Rated) | kW | 50.4 | 56.0 | 61.6 | 61.6 | 67.2 |
| | Heating (Rated) | kW | 50.4 | 56.0 | 61.6 | 61.6 | 67.2 |
| | Heating (Max) | kW | 56.7 | 63.0 | 69.3 | 69.3 | 74.3 |
| Input | | Btu/h | 193,500 | 215,000 | 236,500 | 236,500 | 253,400 |
| | Cooling (Rated) | kW | 10.91 | 12.77 | 15.70 | 13.4 | 17.40 |
| | Heating (Rated) | kW | 10.12 | 12.20 | 14.15 | 11.8 | 15.89 |
| | Heating (Max) | kW | 11.94 | 14.69 | 16.76 | 14.2 | 18.80 |
| EER | | | 4.62 | 4.39 | 3.92 | 4.60 | 3.86 |
| ESEER | | | 7.40 | 7.03 | 6.68 | 7.76 | 6.57 |
| ESEER (SLC) | | | 8.11 | 7.70 | 7.87 | 8.84 | 8.05 |
| COP | COP (Rated) | | 4.98 | 4.59 | 4.35 | 5.23 | 4.23 |
| | COP (Max) | | 4.75 | 4.29 | 4.13 | 4.89 | 3.95 |
| Casing Color | | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | 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 1 + 4,200 x 1 | 5,300 x 2 | 5,300 x 2 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Air Flow Rate (High) | m ³ /min | 320 x 1 | 320 x 1 | 320 x 1 | (240 x 1) + (240 x 1) | 320 x 1 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Liquid Pipe | mm(inch) | 15.88(5/8) | 15.88(5/8) | 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) | 28.58(1-1/8) | 34.9(1-3/8) | |
| High Pressure Gas Pipe | mm(inch) | 22.2(7/8) | 22.2(7/8) | 28.58(1-1/8) | 28.58(1-1/8) | 28.58(1-1/8) | |
| Dimensions (W x H x D) | mm | | (1,240 x 1,690 x 760) x1 | (1,240 x 1,690 x 760) x1 | (1,240 x 1,690 x 760) x1 | (930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x1 |
| Net Weight | kg | | 300 x 1 | 300 x 1 | 300 x 1 | (215 x 1) + (215 x 1) | 310 x 1 |
| Sound Pressure Level | Cooling | dB(A) | 61.0 | 62.0 | 64.5 | 61.5 | 65.0 |
| | Heating | dB(A) | 62.0 | 64.5 | 65.5 | 62.5 | 67.0 |
| Sound Power Level | Cooling | dB(A) | 92.0 | 93.0 | 93.0 | 88.5 | 95.0 |
| | Heating | dB(A) | 95.0 | 96.0 | 97.0 | 91.5 | 99.0 |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 | 16.0 | 16.0 | 19.0 | 17.0 |
| | | lbs | 35.3 | 35.3 | 35.3 | 41.9 | 37.5 |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| | t-CO ₂ eq | | 33.4 | 33.4 | 33.4 | 39.7 | 35.5 |
| Control | | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc | 5,200 | 5,200 | 5,200 | 7,800 | 5,200 |
| Power Supply | | ∅, V, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 29(45) | 32(50) | 35(44) | 35(44) | 39(48) |

* This product contains Fluorinated Greenhouse Gases. (R410A)

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM260LTE5 / ARUM241LTE5 / ARUM261LTE5
ARUM280LTE5 / ARUM300LTE5



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

| HP | | | 24' | 26 | 26' | 28 | 30 |
|--|---------------------------------|--|----------------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUM241LTE5 | ARUM260LTE5 | ARUM261LTE5 | ARUM280LTE5 | ARUM300LTE5 |
| | Independent Unit | | ARUM120LTE5 ARUM120LTE5 | ARUM260LTE5 | ARUM140LTE5 ARUM120LTE5 | ARUM160LTE5 ARUM120LTE5 | ARUM180LTE5 ARUM120LTE5 |
| Capacity | Cooling (Rated) | kW | 67.2 | 72.8 | 72.8 | 78.4 | 84.0 |
| | Heating (Rated) | kW | 67.2 | 67.2 | 72.8 | 78.4 | 84.0 |
| | Heating (Max) | kW | 75.6 | 74.3 | 81.9 | 88.2 | 94.5 |
| | | Btu/h | 257,900 | 253,400 | 279,400 | 300,900 | 322,400 |
| Input | Cooling (Rated) | kW | 15.2 | 20.20 | 16.3 | 18.5 | 18.5 |
| | Heating (Rated) | kW | 13.7 | 15.99 | 15.0 | 17.1 | 17.0 |
| | Heating (Max) | kW | 16.5 | 19.15 | 18.0 | 20.7 | 20.2 |
| EER | | 4.43 | 3.60 | 4.48 | 4.24 | 4.54 | |
| ESEER | | 7.47 | 6.34 | 7.39 | 6.94 | 7.43 | |
| ESEER (SLC) | | 8.60 | 7.62 | 8.41 | 8.12 | 8.29 | |
| COP | COP (Rated) | | 4.91 | 4.20 | 4.86 | 4.58 | 4.95 |
| | COP (Max) | | 4.58 | 3.88 | 4.56 | 4.27 | 4.68 |
| Casing Color | | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output x Number | W x No. | 5,300 x 2 | 5,300 x 2 | 5,300 x 2 | 5,300 x 2 | (5,300 x 2) + (4,200 x 1) |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Air Flow Rate (High) | m ³ /min | (240 x 1) + (240 x 1) | 320 x 1 | (320 x 1) + (240 x 1) | (320 x 1) + (240 x 1) | (320 x 1) + (240 x 1) |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Liquid Pipe | mm(inch) | 15.88(5/8) | 19.05(3/4) | 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) | 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) | 28.58(1-1/8) | 28.58(1-1/8) | |
| Dimensions (W x H x D) | mm | (930 x 1,690 x 760) x 1 + (930 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 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 |
| Net Weight | kg | (215 x 1) + (215 x 1) | 310 x 1 | (237 x 1) + (215 x 1) | (237 x 1) + (215 x 1) | (300 x 1) + (215 x 1) | |
| Sound Pressure Level | Cooling | dB(A) | 62.0 | 65.0 | 62.5 | 62.8 | 63.1 |
| | Heating | dB(A) | 63.0 | 67.0 | 63.5 | 63.8 | 64.1 |
| Sound Power Level | Cooling | dB(A) | 89.0 | 95.0 | 90.8 | 91.5 | 93.0 |
| | Heating | dB(A) | 92.0 | 99.0 | 94.5 | 95.2 | 96.0 |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 19.0 | 17.0 | 23.0 | 23.0 | 25.5 |
| | | lbs | 41.9 | 37.5 | 50.7 | 50.7 | 56.2 |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| | t-CO ₂ eq | | 39.7 | 35.5 | 48.0 | 48.0 | 53.2 |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc | 7,800 | 5,200 | 7,800 | 7,800 | 9,100 |
| Power Supply | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 39(48) | 42(52) | 42(52) | 45(56) | 49(60) |

* This product contains Fluorinated Greenhouse Gases. (R410A)

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM320LTE5 / ARUM340LTE5 / ARUM360LTE5
ARUM380LTE5 / ARUM400LTE5



| HP | | | 32 | 34 | 36 | 38 | 40 |
|--|---------------------------------|--|--|--|--|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUM320LTE5 | ARUM340LTE5 | ARUM360LTE5 | ARUM380LTE5 | ARUM400LTE5 |
| | Independent Unit | | ARUM200LTE5 ARUM120LTE5 | ARUM220LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM140LTE5 | ARUM240LTE5 ARUM160LTE5 |
| Capacity | Cooling (Rated) | kW | 89.6 | 95.2 | 100.8 | 106.4 | 112.0 |
| | Heating (Rated) | kW | 89.6 | 95.2 | 100.8 | 106.4 | 112.0 |
| | Heating (Max) | kW | 100.8 | 107.1 | 112.1 | 118.4 | 124.7 |
| | | Btu/h | 343,900 | 365,400 | 382,300 | 403,800 | 425,300 |
| Input | Cooling (Rated) | kW | 20.4 | 23.3 | 25.0 | 26.1 | 28.3 |
| | Heating (Rated) | kW | 19.1 | 21.0 | 22.7 | 24.0 | 26.2 |
| | Heating (Max) | kW | 22.9 | 25.0 | 27.1 | 28.5 | 31.2 |
| EER | | 4.40 | 4.09 | 4.04 | 4.08 | 3.96 | |
| ESEER | | 7.19 | 6.94 | 6.85 | 6.83 | 6.58 | |
| ESEER (SLC) | | 8.01 | 8.11 | 8.22 | 8.11 | 7.94 | |
| COP | COP (Rated) | | 4.70 | 4.53 | 4.43 | 4.43 | 4.28 |
| | COP (Max) | | 4.39 | 4.28 | 4.14 | 4.15 | 4.00 |
| Casing Color | | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | 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 | 5,300 x 3 | 5,300 x 3 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | 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 2 | 320 x 2 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 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) | 41.3(1-5/8) | 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) | 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 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 | (1,240 x 1,690 x 760) x 2 |
| Net Weight | kg | (300 x 1) + (215 x 1) | (300 x 1) + (215 x 1) | (310 x 1) + (215 x 1) | (310 x 1) + (237 x 1) | (310 x 1) + (237 x 1) | |
| Sound Pressure Level | Cooling | dB(A) | 63.8 | 65.6 | 66.0 | 66.2 | 66.3 |
| | Heating | dB(A) | 65.8 | 66.6 | 67.8 | 68.0 | 68.1 |
| Sound Power Level | Cooling | dB(A) | 93.8 | 93.8 | 95.5 | 96.0 | 96.2 |
| | Heating | dB(A) | 96.8 | 97.6 | 99.4 | 100.0 | 100.2 |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 25.5 | 25.5 | 26.5 | 30.5 | 30.5 |
| | | lbs | 56.2 | 56.2 | 58.4 | 67.2 | 67.2 |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| | t-CO ₂ eq | | 53.2 | 53.2 | 55.3 | 63.7 | 63.7 |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc | 9,100 | 9,100 | 9,100 | 9,100 | 9,100 |
| Power Supply | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 52(64) | 55(64) | 58(64) | 61(64) | 64 |

* This product contains Fluorinated Greenhouse Gases. (R410A)

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM420LTE5 / ARUM440LTE5 / ARUM460LTE5
ARUM480LTE5 / ARUM500LTE5



| HP | | | 42 | 44 | 46 | 48 | 50 |
|--|------------------------------|---------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---|
| Model Name | Combination Unit | | ARUM420LTE5 | ARUM440LTE5 | ARUM460LTE5 | ARUM480LTE5 | ARUM500LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM180LTE5 | ARUM240LTE5 ARUM200LTE5 | ARUM240LTE5 ARUM220LTE5 | ARUM240LTE5 ARUM240LTE5 | ARUM240LTE5 ARUM140LTE5 ARUM120LTE5 |
| Capacity | Cooling (Rated) | kW | 117.6 | 123.2 | 128.8 | 134.4 | 140.0 |
| | Heating (Rated) | kW | 117.6 | 123.2 | 128.8 | 134.4 | 140.0 |
| | Heating (Max) | kW | 131.0 | 137.3 | 143.6 | 148.5 | 156.2 |
| Input | Cooling (Rated) | kW | 28.3 | 30.2 | 33.1 | 34.8 | 33.7 |
| | Heating (Rated) | kW | 26.0 | 28.1 | 30.0 | 31.8 | 30.9 |
| | Heating (Max) | kW | 30.7 | 33.5 | 35.6 | 37.6 | 36.8 |
| EER | | | 4.15 | 4.08 | 3.89 | 3.86 | 4.16 |
| ESEER | | | 6.90 | 6.77 | 6.62 | 6.57 | 6.97 |
| ESEER (SLC) | | | 8.05 | 7.86 | 7.96 | 8.05 | 8.23 |
| COP | COP (Rated) | | 4.52 | 4.39 | 4.29 | 4.23 | 4.54 |
| | COP (Max) | | 4.26 | 4.10 | 4.04 | 3.95 | 4.25 |
| Casing Color | | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output x Number | W x No. | (5,300 x 3) + (4,200 x 1) | (5,300 x 3) + (4,200 x 1) | (5,300 x 3) + (4,200 x 1) | 5,300 x 4 | 5,300 x 4 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Air Flow Rate (High) | m ³ /min | 320 x 2 | 320 x 2 | 320 x 2 | 320 x 2 | (320 x 2) + (240 x 1) |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Liquid Pipe | | mm(inch) | 19.05(3/4) | 19.05(3/4) | 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) | 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) | 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 2 | (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 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 |
| Net Weight | | kg | (310 x 1) + (300 x 1) | (310 x 1) + (300 x 1) | (310 x 1) + (300 x 1) | 310 x 2 | (310 x 1) + (237 x 1) + (215 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 66.5 | 66.8 | 67.8 | 68.0 | 67.0 |
| | Heating | dB(A) | 68.2 | 68.9 | 69.3 | 70.0 | 68.6 |
| Sound Power Level | Cooling | dB(A) | 96.8 | 97.1 | 97.1 | 98.0 | 96.4 |
| | Heating | dB(A) | 100.5 | 100.8 | 101.1 | 102.0 | 100.3 |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 33.0 | 33.0 | 33.0 | 34.0 | 40.0 |
| | | lbs | 72.8 | 72.8 | 72.8 | 75.0 | 88.2 |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| | t-CO ₂ eq | | 68.9 | 68.9 | 68.9 | 71.0 | 83.5 |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc | 10,400 | 10,400 | 10,400 | 10,400 | 13,000 |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 64 | 64 | 64 | 64 | 64 |

* This product contains Fluorinated Greenhouse Gases. (R410A)

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM520LTE5 / ARUM540LTE5 / ARUM560LTE5
ARUM580LTE5 / ARUM600LTE5



| HP | | | 52 | 54 | 56 | 58 | 60 |
|--|------------------------------|---------------------------------|---|---|---|---|---|
| Model Name | Combination Unit | | ARUM520LTE5 | ARUM540LTE5 | ARUM560LTE5 | ARUM580LTE5 | ARUM600LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM160LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM180LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM200LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM220LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM120LTE5 |
| Capacity | Cooling (Rated) | kW | 145.6 | 151.2 | 156.8 | 162.4 | 168.0 |
| | Heating (Rated) | kW | 145.6 | 151.2 | 156.8 | 162.4 | 168.0 |
| | Heating (Max) | kW | 162.5 | 168.8 | 175.1 | 181.4 | 186.3 |
| Input | Cooling (Rated) | kW | 35.9 | 35.9 | 37.8 | 40.7 | 42.4 |
| | Heating (Rated) | kW | 33.0 | 32.9 | 34.9 | 36.9 | 38.6 |
| | Heating (Max) | kW | 39.4 | 39.0 | 41.7 | 43.8 | 45.9 |
| EER | | | 4.06 | 4.21 | 4.15 | 3.99 | 3.96 |
| ESEER | | | 6.76 | 7.02 | 6.91 | 6.78 | 6.73 |
| ESEER (SLC) | | | 8.08 | 8.17 | 8.01 | 8.08 | 8.15 |
| COP | COP (Rated) | | 4.41 | 4.60 | 4.49 | 4.40 | 4.35 |
| | COP (Max) | | 4.12 | 4.33 | 4.19 | 4.14 | 4.06 |
| Casing Color | | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output x Number | W x No. | 5,300 x 4 | (5,300 x 4) + (4,200 x 1) | (5,300 x 4) + (4,200 x 1) | (5,300 x 4) + (4,200 x 1) | 5,300 x 5 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | 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) | (320 x 2) + (240 x 1) |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Liquid Pipe | | mm(inch) | 19.05(3/4) | 19.05(3/4) | 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) | 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) | 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 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 |
| Net Weight | | kg | (310 x 1) + (237 x 1) + (215 x 1) | (310 x 1) + (300 x 1) + (215 x 1) | (310 x 1) + (300 x 1) + (215 x 1) | (310 x 1) + (300 x 1) + (215 x 1) | (310 x 2) + (215 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 67.1 | 67.2 | 67.4 | 68.3 | 68.5 |
| | Heating | dB(A) | 68.7 | 68.8 | 69.5 | 69.8 | 70.4 |
| Sound Power Level | Cooling | dB(A) | 96.6 | 97.1 | 97.4 | 97.4 | 98.3 |
| | Heating | dB(A) | 100.5 | 100.8 | 101.0 | 101.4 | 102.2 |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 40.0 | 42.5 | 42.5 | 42.5 | 43.5 |
| | | lbs | 88.2 | 93.7 | 93.7 | 93.7 | 95.9 |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| | t-CO ₂ eq | | 83.5 | 88.7 | 88.7 | 88.7 | 90.8 |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc | 13,000 | 14,300 | 14,300 | 14,300 | 14,300 |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 64 | 64 | 64 | 64 | 64 |

* This product contains Fluorinated Greenhouse Gases. (R410A)

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM620LTE5 / ARUM640LTE5 / ARUM660LTE5
ARUM680LTE5 / ARUM700LTE5 / ARUM720LTE5



| HP | | | 62 | 64 | 66 | 68 | 70 | 72 |
|--|------------------------------|---------------------------------|---|---|---|---|---|---|
| Model Name | Combination Unit | | ARUM620LTE5 | ARUM640LTE5 | ARUM660LTE5 | ARUM680LTE5 | ARUM700LTE5 | ARUM720LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM240LTE5 ARUM140LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM160LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM180LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM200LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 |
| Capacity | Cooling (Rated) | kW | 173.6 | 179.2 | 184.8 | 190.4 | 196.0 | 201.6 |
| | Heating (Rated) | kW | 173.6 | 179.2 | 184.8 | 190.4 | 196.0 | 201.6 |
| | Heating (Max) | kW Btu/h | 192.6 657,200 | 198.9 678,700 | 205.2 700,200 | 211.5 721,700 | 217.8 743,200 | 222.8 760,100 |
| Input | Cooling (Rated) | kW | 43.5 | 45.7 | 45.7 | 47.6 | 50.5 | 52.2 |
| | Heating (Rated) | kW | 39.9 | 42.1 | 41.9 | 44.0 | 45.9 | 47.7 |
| | Heating (Max) | kW | 47.3 | 50.0 | 49.5 | 52.3 | 54.4 | 56.4 |
| EER | | 3.99 | 3.92 | 4.04 | 4.00 | 3.88 | 3.86 | |
| ESEER | | 6.73 | 6.58 | 6.78 | 6.70 | 6.60 | 6.57 | |
| ESEER (SLC) | | 8.09 | 7.98 | 8.05 | 7.92 | 7.99 | 8.05 | |
| COP | COP (Rated) | | 4.35 | 4.26 | 4.41 | 4.33 | 4.27 | 4.23 |
| | COP (Max) | | 4.07 | 3.98 | 4.14 | 4.05 | 4.01 | 3.95 |
| Casing Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | |
| Heat Exchanger | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | |
| Compressor | Motor Output x Number | W x No. | 5,300 x 5 | 5,300 x 5 | (5,300 x 5) + (4,200 x 1) | (5,300 x 5) + (4,200 x 1) | (5,300 x 5) + (4,200 x 1) | 5,300 x 6 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Air Flow Rate (High) | m ³ /min | 320 x 3 | 320 x 3 | 320 x 3 | 320 x 3 | 320 x 3 | 320 x 3 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Liquid Pipe | | mm(inch) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) | |
| Low Pressure Gas Pipe | | mm(inch) | 44.5(1-3/4) | 44.5(1-3/4) | 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) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) | |
| 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 | (1,240 x 1,690 x 760) x 3 | (1,240 x 1,690 x 760) x 3 | |
| Net Weight | | kg | (310 x 2) + (237 x 1) | (310 x 2) + (237 x 1) | (310 x 2) + (300 x 1) | (310 x 2) + (300 x 1) | (310 x 2) + (300 x 1) | |
| Sound Pressure Level | Cooling | dB(A) | 68.6 | 68.7 | 68.8 | 69.0 | 69.6 | |
| | Heating | dB(A) | 70.5 | 70.6 | 70.6 | 71.1 | 71.3 | |
| Sound Power Level | Cooling | dB(A) | 98.5 | 98.6 | 99.0 | 99.2 | 99.2 | |
| | Heating | dB(A) | 102.5 | 102.6 | 102.8 | 103.0 | 103.0 | |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A | |
| | Precharged Amount in factory | kg lbs | 47.5 104.7 | 47.5 104.7 | 50.0 110.2 | 50.0 110.2 | 50.0 110.2 | |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 | |
| | t-CO ₂ eq | | 99.2 | 99.2 | 104.4 | 104.4 | 106.5 | |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | |
| Power Supply | Charge | cc | 14,300 | 14,300 | 15,600 | 15,600 | 15,600 | |
| | | ∅, V, Hz | 380-415, 3, 50 380, 3, 60 | 380-415, 3, 50 380, 3, 60 | 380-415, 3, 50 380, 3, 60 | 380-415, 3, 50 380, 3, 60 | 380-415, 3, 50 380, 3, 60 | |
| Number of Maximum Connectable Indoor Units | | 64 | 64 | 64 | 64 | 64 | 64 | |

* This product contains Fluorinated Greenhouse Gases. (R410A)

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM740LTE5 / ARUM760LTE5 / ARUM780LTE5
ARUM800LTE5 / ARUM820LTE5 / ARUM840LTE5



| HP | | | 74 | 76 | 78 | 80 | 82 | 84 |
|--|------------------------------|---------------------------------|--|--|--|--|--|--|
| Model Name | Combination Unit | | ARUM740LTE5 | ARUM760LTE5 | ARUM780LTE5 | ARUM800LTE5 | ARUM820LTE5 | ARUM840LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM240LTE5 ARUM140LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM160LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM180LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM200LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM120LTE5 |
| Capacity | Cooling (Rated) | kW | 207.2 | 212.8 | 218.4 | 224.0 | 229.6 | 235.2 |
| | Heating (Rated) | kW | 207.2 | 212.8 | 218.4 | 224.0 | 229.6 | 235.2 |
| | Heating (Max) | kW Btu/h | 230.4 786,200 | 236.7 807,700 | 243.0 829,200 | 249.3 850,700 | 255.6 872,100 | 260.6 889,100 |
| Input | Cooling (Rated) | kW | 51.1 | 53.3 | 53.3 | 55.2 | 58.1 | 59.8 |
| | Heating (Rated) | kW | 46.8 | 48.9 | 48.8 | 50.8 | 52.8 | 54.5 |
| | Heating (Max) | kW | 55.6 | 58.2 | 57.8 | 60.5 | 62.6 | 64.7 |
| EER | | 4.06 | 3.99 | 4.10 | 4.06 | 3.95 | 3.93 | |
| ESEER | | 6.84 | 6.70 | 6.88 | 6.80 | 6.72 | 6.69 | |
| ESEER (SLC) | | 8.17 | 8.07 | 8.13 | 8.02 | 8.07 | 8.12 | |
| COP | COP (Rated) | | 4.43 | 4.35 | 4.48 | 4.41 | 4.35 | 4.31 |
| | COP (Max) | | 4.15 | 4.06 | 4.20 | 4.12 | 4.08 | 4.03 |
| Casing Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | |
| Heat Exchanger | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | |
| Compressor | Motor Output x Number | W x No. | 5,300 x 6 | 5,300 x 6 | (5,300 x 6) + (4,200 x 1) | (5,300 x 6) + (4,200 x 1) | (5,300 x 6) + (4,200 x 1) | 5,300 x 7 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | 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) | (320 x 3) + (240 x 1) | (320 x 3) + (240 x 1) |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Liquid Pipe | | mm(inch) | 22.2(7/8) | 22.2(7/8) | 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) | 53.98(2-1/8) | 53.98(2-1/8) | |
| High Pressure Gas Pipe | | mm(inch) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) | |
| Dimensions (W x H x D) | | mm | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | |
| Net Weight | | kg | (310 x 2) + (237 x 1) + (215 x 1) | (310 x 2) + (237 x 1) + (215 x 1) | (310 x 2) + (300 x 1) + (215 x 1) | (310 x 2) + (300 x 1) + (215 x 1) | (310 x 2) + (300 x 1) + (215 x 1) | |
| Sound Pressure Level | Cooling | dB(A) | 69.1 | 69.2 | 69.2 | 69.4 | 70.0 | |
| | Heating | dB(A) | 70.9 | 70.9 | 71.0 | 71.4 | 71.6 | |
| Sound Power Level | Cooling | dB(A) | 98.8 | 98.9 | 99.2 | 99.4 | 99.4 | |
| | Heating | dB(A) | 102.7 | 102.8 | 103.0 | 103.2 | 103.4 | |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A | |
| | Precharged Amount in factory | kg lbs | 57.0 125.7 | 57.0 125.7 | 59.5 131.2 | 59.5 131.2 | 60.5 133.4 | |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 | |
| | t-CO ₂ eq | | 119.0 | 119.0 | 124.2 | 124.2 | 126.3 | |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | |
| Power Supply | Charge | cc | 18,200 | 18,200 | 19,500 | 19,500 | 19,500 | |
| | | ∅, V, Hz | 380-415, 3, 50 380, 3, 60 | 380-415, 3, 50 380, 3, 60 | 380-415, 3, 50 380, 3, 60 | 380-415, 3, 50 380, 3, 60 | 380-415, 3, 50 380, 3, 60 | |
| Number of Maximum Connectable Indoor Units | | 64 | 64 | 64 | 64 | 64 | 64 | |

* This product contains Fluorinated Greenhouse Gases. (R410A)

OUTDOOR UNITS

INDOOR UNITS

HOT WATER SOLUTION

VENTILATION SOLUTIONS

CONTROL SOLUTIONS

ACCESSORIES

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM860LTE5 / ARUM880LTE5 / ARUM900LTE5
ARUM920LTE5 / ARUM940LTE5 / ARUM960LTE5



| HP | | 86 | 88 | 90 | 92 | 94 | 96 | |
|--|---------------------------------|--|--|--|--|--|--|----------------------------|
| Model Name | Combination Unit | ARUM860LTE5 | ARUM880LTE5 | ARUM900LTE5 | ARUM920LTE5 | ARUM940LTE5 | ARUM960LTE5 | |
| | Independent Unit | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM140LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM160LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM180LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM200LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 | |
| Capacity | Cooling (Rated) | kW | 240.8 | 246.4 | 252.0 | 257.6 | 263.2 | 268.8 |
| | Heating (Rated) | kW | 240.8 | 246.4 | 252.0 | 257.6 | 263.2 | 268.8 |
| | Heating (Max) | kW | 266.9 | 273.2 | 279.5 | 285.8 | 292.1 | 297.0 |
| | | Btu/h | 910,600 | 932,000 | 953,500 | 975,000 | 996,500 | 1,013,400 |
| Input | Cooling (Rated) | kW | 60.9 | 63.1 | 63.1 | 65.0 | 67.9 | 69.6 |
| | Heating (Rated) | kW | 55.8 | 58.0 | 57.8 | 59.9 | 61.8 | 63.6 |
| | Heating (Max) | kW | 66.1 | 68.8 | 68.3 | 71.1 | 73.2 | 75.2 |
| EER | | 3.96 | 3.91 | 3.99 | 3.96 | 3.88 | 3.86 | |
| ESEER | | 6.68 | 6.57 | 6.72 | 6.66 | 6.60 | 6.57 | |
| ESEER (SLC) | | 8.07 | 8.00 | 8.04 | 7.95 | 8.00 | 8.05 | |
| COP | COP (Rated) | 4.32 | 4.25 | 4.36 | 4.30 | 4.26 | 4.23 | |
| | COP (Max) | 4.04 | 3.97 | 4.09 | 4.02 | 3.99 | 3.95 | |
| Casing Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | |
| Heat Exchanger | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | |
| Compressor | Motor Output x Number | W x No. | 5,300 x 7 | 5,300 x 7 | (5,300 x 7) + (4,200 x 1) | (5,300 x 7) + (4,200 x 1) | (5,300 x 7) + (4,200 x 1) | 5,300 x 8 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Air Flow Rate (High) | m ³ /min | 320 x 4 | 320 x 4 | 320 x 4 | 320 x 4 | 320 x 4 | 320 x 4 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Liquid Pipe | mm(inch) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) | 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) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) | |
| High Pressure Gas Pipe | mm(inch) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) | |
| Dimensions (W x H x D) | mm | (1,240 x 1,690 x 760) x 4 | (1,240 x 1,690 x 760) x 4 | (1,240 x 1,690 x 760) x 4 | (1,240 x 1,690 x 760) x 4 | (1,240 x 1,690 x 760) x 4 | (1,240 x 1,690 x 760) x 4 | |
| Net Weight | kg | (310 x 3) + (237 x 1) | (310 x 3) + (237 x 1) | (310 x 3) + (300 x 1) | (310 x 3) + (300 x 1) | (310 x 3) + (300 x 1) | 310 x 4 | |
| Sound Pressure Level | Cooling | dB(A) | 70.2 | 70.3 | 70.3 | 70.4 | 70.9 | 71.0 |
| | Heating | dB(A) | 72.1 | 72.2 | 72.2 | 72.5 | 72.7 | 73.0 |
| Sound Power Level | Cooling | dB(A) | 101.1 | 100.2 | 100.4 | 100.6 | 100.6 | 101.0 |
| | Heating | dB(A) | 104.1 | 104.2 | 104.3 | 104.4 | 104.6 | 105.0 |
| 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 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 64.5 | 64.5 | 67.0 | 67.0 | 67.0 | 68.0 |
| | | lbs | 142.2 | 142.2 | 147.7 | 147.7 | 147.7 | 149.9 |
| | GWP | | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| | t-CO ₂ eq | | 134.6 | 134.6 | 139.9 | 139.9 | 139.9 | 142.0 |
| Refrigerant Control | Type | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| | Charge | cc | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| Power Supply | Type | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | Charge | ∅, V, Hz | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | 64 | 64 | 64 | 64 | 64 | 64 | |

NOTE

1. Eurovent Test Condition : For more info regarding program consult www.eurovent-certification.com
2. Capacities are based on the following conditions :
 - Cooling Temperature : Indoor 27°C(80.6°F) DB / 19°C(66.2°F) WB, Outdoor 35°C(95°F) DB / 24°C(75.2°F) WB
 - Heating Temperature : Indoor 20°C(68°F) DB / 15°C(59°F) WB, Outdoor 7°C(44.6°F) DB / 6°C(42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
3. Wiring cable size must comply with the applicable local and national code.
4. Sound Level Values can be increased owing to ambient conditions during operation.
5. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
6. ESEER calculation corresponds with below conditions and power input of indoor units is not included.
 - Indoor temperature : 27°C(80.6°F) DB / 19°C(66.2°F) WB
 - Outdoor Temperature conditions.

| Part Load Ratio | Outdoor Air Temp. (°C (°F)DB) | Weighting Coefficients |
|-----------------|-------------------------------|------------------------|
| 100% | 35 (95) | 0.03 |
| 75% | 30 (86) | 0.33 |
| 50% | 25 (77) | 0.41 |
| 25% | 20 (68) | 0.23 |

 - Formula : 0.03 x EER100% + 0.33 x EER75% + 0.41 x EER50% + 0.23 x EER25%
7. Due to our policy of innovation some specifications may be changed without notification.
8. Power factor could vary less than 1% according to the operating conditions.
9. This product contains Fluorinated greenhouse gases.

* This product contains Fluorinated Greenhouse Gases. (R410A)

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN080LTE5 / ARUN100LTE5 / ARUN120LTE5 / ARUN140LTE5

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



| HP | | | 8 | 10 | 12 | 14 |
|---|------------------------------------|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN080LTE5 | ARUN100LTE5 | ARUN120LTE5 | ARUN140LTE5 |
| | Independent Unit | | ARUN080LTE5 | ARUN100LTE5 | ARUN120LTE5 | ARUN140LTE5 |
| Capacity | Cooling (Rated) | kW | 22.4 | 28.0 | 33.6 | 39.2 |
| | | Btu/h | 76,400 | 95,500 | 114,600 | 133,800 |
| | Heating (Rated) | kW | 25.2 | 31.5 | 37.8 | 44.1 |
| | | Btu/h | 86,000 | 107,500 | 129,000 | 150,500 |
| Input | Cooling (Rated) | kW | 4.59 | 5.70 | 7.91 | 9.12 |
| | Heating (Rated) | kW | 4.74 | 5.78 | 8.06 | 9.78 |
| Input ¹⁾ | Cooling (Rated) | kW | 4.99 | 6.45 | 8.42 | 10.21 |
| | Heating (Rated) | kW | 4.27 | 5.29 | 7.37 | 9.03 |
| | Heating (Max) | kW | 5.14 | 6.37 | 8.89 | 10.80 |
| EER (Rated) | | | 4.88 | 4.91 | 4.25 | 4.30 |
| COP (Rated) | | | 5.32 | 5.45 | 4.69 | 4.51 |
| EER ¹⁾ | | | 4.49 | 4.34 | 3.99 | 3.84 |
| ESEER | | | 7.57 | 7.31 | 6.72 | 6.23 |
| ESEER (SLC) | | | 8.51 | 8.23 | 7.74 | 7.03 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | 5,300 x 1 | 5,300 x 1 | 5,300 x 1 | 5,300 x 1 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | 1,200 x 1 | 1,200 x 1 | 1,200 x 1 | 900 x 2 |
| | Air Flow Rate (High) | m ³ /min | 240 x 1 | 240 x 1 | 240 x 1 | 320 x 1 |
| | | ft ³ /min | 8,476 x 1 | 8,476 x 1 | 8,476 x 1 | 11,301 x 1 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | 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 x 1,690 x 760) x 1 | (930 x 1,690 x 760) x 1 | (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 | |
| Net Weight | kg | | 199 x 1 | 199 x 1 | 199 x 1 | 221 x 1 |
| | lbs | | 439 x 1 | 439 x 1 | 439 x 1 | 487 x 1 |
| Sound Pressure Level | Cooling | dB(A) | 58.0 | 58.0 | 59.0 | 60.0 |
| | Heating | dB(A) | 59.0 | 59.0 | 60.0 | 61.0 |
| Sound Power Level | Cooling | dB(A) | 78.0 | 78.0 | 79.0 | 82.0 |
| | Heating | dB(A) | 79.0 | 79.0 | 80.0 | 84.0 |
| Communication Cable | No.xmm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 10.0 | 10.0 | 10.0 | 13.0 |
| | | lbs | 22.0 | 22.0 | 22.0 | 28.7 |
| | TCO ₂ eq | | 20.9 | 20.9 | 20.9 | 27.1 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maxmum Connectable Indoor Units | | | 13(20) | 16(25) | 20(30) | 23(35) |

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

Non TROPICAL MODEL

STANDARD

ARUN160LTE5 / ARUN180LTE5 / ARUN200LTE5 / ARUN220LTE5

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



| HP | | | 16 | 18 | 20 | 22 |
|---|------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN160LTE5 | ARUN180LTE5 | ARUN200LTE5 | ARUN220LTE5 |
| | Independent Unit | | ARUN160LTE5 | ARUN180LTE5 | ARUN200LTE5 | ARUN220LTE5 |
| Capacity | Cooling (Rated) | kW | 44.8 | 50.4 | 56.0 | 61.6 |
| | | Btu/h | 152,900 | 172,000 | 191,100 | 210,200 |
| | Heating (Rated) | kW | 50.4 | 56.7 | 63.0 | 69.3 |
| | | Btu/h | 172,000 | 193,500 | 215,000 | 236,500 |
| Input | Cooling (Rated) | kW | 10.80 | 10.96 | 12.31 | 14.84 |
| | Heating (Rated) | kW | 11.59 | 12.06 | 15.52 | 17.54 |
| Input ¹⁾ | Cooling (Rated) | kW | 12.80 | 12.82 | 15.01 | 18.44 |
| | Heating (Rated) | kW | 11.43 | 11.25 | 13.56 | 15.71 |
| | Heating (Max) | kW | 13.77 | 13.27 | 16.32 | 18.62 |
| EER (Rated) | | | 4.15 | 4.60 | 4.55 | 4.15 |
| COP (Rated) | | | 4.35 | 4.70 | 4.06 | 3.95 |
| EER ¹⁾ | | | 3.50 | 3.93 | 3.73 | 3.34 |
| ESEER | | | 5.61 | 6.30 | 5.98 | 5.68 |
| ESEER (SLC) | | | 6.63 | 6.90 | 6.55 | 6.70 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | 5,300 x 1 | 5,300 x 1 + 4,200 x 1 | 5,300 x 2 | 5,300 x 2 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | 900 x 2 | 900 x 2 | 900 x 2 | 900 x 2 |
| | Air Flow Rate (High) | m ³ /min | 320 x 1 | 320 x 1 | 320 x 1 | 320 x 1 |
| | | ft ³ /min | 11,301 x 1 | 11,301 x 1 | 11,301 x 1 | 11,301 x 1 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | 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 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 | |
| Net Weight | kg | | 221 x 1 | 261 x 1 | 281 x 1 | 281 x 1 |
| | lbs | | 487 x 1 | 575 x 1 | 619 x 1 | 619 x 1 |
| Sound Pressure Level | Cooling | dB(A) | 60.5 | 61.0 | 62.0 | 64.5 |
| | Heating | dB(A) | 61.5 | 62.0 | 64.5 | 65.5 |
| Sound Power Level | Cooling | dB(A) | 83.0 | 85.0 | 86.0 | 86.0 |
| | Heating | dB(A) | 85.0 | 86.0 | 87.0 | 88.0 |
| Communication Cable | No.xmm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 13.0 | 13.0 | 14.0 | 14.0 |
| | | lbs | 28.7 | 28.7 | 30.9 | 30.9 |
| | TCO ₂ eq | | 27.1 | 27.1 | 29.2 | 29.2 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maxmum Connectable Indoor Units | | | 26(40) | 29(45) | 32(50) | 35(56) |

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN240LTE5 / ARUN260LTE5 / ARUN221LTE5 / ARUN241LTE5

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



| HP | | | 24 | 26 | 22' | 24' |
|---|------------------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN240LTE5 | ARUN260LTE5 | ARUN221LTE5 | ARUN241LTE5 |
| | Independent Unit | | ARUN240LTE5 | ARUN260LTE5 | ARUN120LTE5 ARUN100LTE5 | ARUN120LTE5 ARUN120LTE5 |
| Capacity | Cooling (Rated) | kW | 67.2 | 72.8 | 61.6 | 67.2 |
| | | Btu/h | 229,300 | 248,400 | 210,100 | 229,200 |
| | Heating (Rated) | kW | 74.3 | 74.3 | 69.3 | 75.6 |
| | | Btu/h | 253,400 | 253,400 | 236,500 | 258,000 |
| Input | Cooling (Rated) | kW | 16.76 | 19.41 | 13.60 | 15.81 |
| | Heating (Rated) | kW | 18.85 | 19.49 | 13.80 | 16.12 |
| Input ¹⁾ | Cooling (Rated) | kW | 14.9 | 20.49 | 16.8 | 23.79 |
| | Heating (Rated) | kW | 12.7 | 17.64 | 14.7 | 17.78 |
| | Heating (Max) | kW | 15.3 | 20.87 | 17.8 | 21.29 |
| EER (Rated) | | | 4.01 | 3.75 | 4.53 | 4.25 |
| COP (Rated) | | | 3.94 | 3.81 | 5.01 | 4.69 |
| EER ¹⁾ | | | 3.28 | 3.06 | 4.14 | 3.99 |
| ESEER | | | 6.98 | 5.58 | 6.72 | 5.38 |
| ESEER (SLC) | | | 7.95 | 6.83 | 7.74 | 6.47 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | 5,300 x 2 | 5,300 x 2 | 5,300 x 2 | 5,300 x 2 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | 900 x 2 | 900 x 2 | (1,200 x 1) + (1,200 x 1) | (1,200 x 1) + (1,200 x 1) |
| | Air Flow Rate (High) | m ³ /min | 320 x 1 | 320 x 1 | (240 x 1) + (240 x 1) | (240 x 1) + (240 x 1) |
| | | ft ³ /min | 11,301 x 1 | 11,301 x 1 | (8,476 x 1) + (8,476 x 1) | (8,476 x 1) + (8,476 x 1) |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connctions | Liquid Pipe | mm(inch) | 15.88(5/8) | 19.05(3/4) | 15.88(5/8) | 15.88(5/8) |
| | Gas Pipe | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 28.58(1-1/8) | 34.9(1-3/8) |
| Dimensions (W x H x D) | mm | | (1,240 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 | (930 x 1,690 x 760) x 2 | (930 x 1,690 x 760) x 2 |
| Net Weight | kg | | 283 x 1 | 283 x 1 | 199 x 2 | 199 x 2 |
| | lbs | | 624 x 1 | 624 x 1 | 439 x 2 | 439 x 2 |
| Sound Pressure Level | Cooling | dB(A) | 65.0 | 65.0 | 61.5 | 62.0 |
| | Heating | dB(A) | 67.0 | 67.0 | 62.5 | 63.0 |
| Sound Power Level | Cooling | dB(A) | 88.0 | 88.0 | 81.5 | 82.0 |
| | Heating | dB(A) | 90.0 | 90.0 | 82.5 | 83.0 |
| Communication Cable | No.xmm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 | 16.0 | 10.0 + 10.0 | 10.0 + 10.0 |
| | | lbs | 35.3 | 35.3 | 22.0 + 22.0 | 22.0 + 22.0 |
| | TCO ₂ eq | | 33.4 | 33.4 | 41.8 | 41.8 |
| Power Supply | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maxmum Connectable Indoor Units | | | 39(61) | 42(64) | 35(44) | 39(48) |

- Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

Non TROPICAL MODEL

STANDARD

ARUN261LTE5 / ARUN280LTE5 / ARUN300LTE5 / ARUN320LTE5



| HP | | | 26' | 28 | 30 | 32 |
|---|------------------------------------|----------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUN261LTE5 | ARUN280LTE5 | ARUN300LTE5 | ARUN320LTE5 |
| | Independent Unit | | ARUN140LTE5 ARUN120LTE5 | ARUN160LTE5 ARUN120LTE5 | ARUN180LTE5 ARUN120LTE5 | ARUN200LTE5 ARUN120LTE5 |
| Capacity | Cooling (Rated) | kW | 72.8 | 78.4 | 84.0 | 89.6 |
| | | Btu/h | 248,400 | 267,500 | 286,600 | 305,700 |
| | Heating (Rated) | kW | 81.9 | 88.2 | 94.5 | 100.8 |
| | | Btu/h | 279,500 | 301,000 | 322,500 | 344,000 |
| Input | Cooling (Rated) | kW | 17.02 | 18.70 | 18.86 | 20.21 |
| | Heating (Rated) | kW | 17.84 | 19.65 | 20.12 | 23.58 |
| Input ¹⁾ | Cooling (Rated) | kW | 18.6 | 21.2 | 21.2 | 23.4 |
| | Heating (Rated) | kW | 16.4 | 18.8 | 18.6 | 20.9 |
| | Heating (Max) | kW | 19.7 | 22.7 | 22.2 | 25.2 |
| EER (Rated) | | | 4.28 | 4.19 | 4.45 | 4.43 |
| COP (Rated) | | | 4.59 | 4.49 | 4.70 | 4.28 |
| EER ¹⁾ | | | 3.91 | 3.69 | 3.95 | 3.82 |
| ESEER | | | 6.45 | 6.04 | 6.46 | 6.24 |
| ESEER (SLC) | | | 7.34 | 7.06 | 7.20 | 6.94 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | 5,300 x 2 | 5,300 x 2 | (5,300 x 2) + (4,200 x 1) | (5,300 x 2) + (4,200 x 1) |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | (900 x 2) + (1,200 x 1) | (900 x 2) + (1,200 x 1) | (900 x 2) + (1,200 x 1) | (900 x 2) + (1,200 x 1) |
| | Air Flow Rate (High) | 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) |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connctions | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| | Gas Pipe | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) |
| Dimensions (W x H x D) | mm | | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 |
| Net Weight | kg | | (221 x 1) + (199 x 1) | (221 x 1) + (199 x 1) | (261 x 1) + (199 x 1) | (281 x 1) + (199 x 1) |
| | lbs | | (487 x 1) + (439 x 1) | (487 x 1) + (439 x 1) | (575 x 1) + (439 x 1) | (619 x 1) + (439 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 62.5 | 62.8 | 63.1 | 63.8 |
| | Heating | dB(A) | 63.5 | 63.8 | 64.1 | 65.8 |
| Sound Power Level | Cooling | dB(A) | 83.8 | 84.5 | 86.0 | 86.8 |
| | Heating | dB(A) | 85.5 | 86.2 | 87.0 | 87.8 |
| Communication Cable | No.xmm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 13.0 + 10.0 | 13.0 + 10.0 | 13.0 + 10.0 | 14.0 + 10.0 |
| | | lbs | 28.7 + 22.0 | 28.7 + 22.0 | 28.7 + 22.0 | 30.9 + 22.0 |
| | TCO ₂ eq | | 48.0 | 48.0 | 48.0 | 50.1 |
| Power Supply | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maxmum Connectable Indoor Units | | | 42(52) | 45(56) | 49(60) | 52(64) |

- Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN340LTE5 / ARUN360LTE5 / ARUN380LTE5 / ARUN400LTE5



| HP | | | 34 | 36 | 38 | 40 |
|--|------------------------------------|--|--|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN340LTE5 | ARUN360LTE5 | ARUN380LTE5 | ARUN400LTE5 |
| | Independent Unit | | ARUN220LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN140LTE5 | ARUN240LTE5 ARUN160LTE5 |
| Capacity | Cooling (Rated) | kW | 95.2 | 100.8 | 106.4 | 112.0 |
| | | Btu/h | 324,800 | 343,900 | 363,100 | 382,200 |
| | Heating (Rated) | kW | 107.1 | 112.1 | 118.4 | 124.7 |
| | | Btu/h | 365,500 | 382,400 | 403,900 | 425,400 |
| Input | Cooling (Rated) | kW | 22.75 | 24.66 | 25.87 | 27.55 |
| | Heating (Rated) | kW | 25.60 | 26.91 | 28.62 | 30.43 |
| Input ¹⁾ | Cooling (Rated) | kW | 26.9 | 28.9 | 30.7 | 33.3 |
| | Heating (Rated) | kW | 23.1 | 25.0 | 26.7 | 29.1 |
| | Heating (Max) | kW | 27.5 | 29.8 | 31.7 | 34.6 |
| EER (Rated) | | | 4.18 | 4.09 | 4.11 | 4.06 |
| COP (Rated) | | | 4.18 | 4.16 | 4.13 | 4.10 |
| EER ¹⁾ | | | 3.54 | 3.49 | 3.47 | 3.36 |
| ESEER | | | 6.01 | 5.92 | 5.80 | 5.59 |
| ESEER (SLC) | | | 7.03 | 7.11 | 6.89 | 6.75 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | 5,300 x 3 | 5,300 x 3 | 5,300 x 3 | 5,300 x 3 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | (900 x 2) + (1,200 x 1) | (900 x 2) + (1,200 x 1) | 900 x 4 | 900 x 4 |
| | Air Flow Rate (High) | m ³ /min | (320 x 1) + (240 x 1) | (320 x 1) + (240 x 1) | 320 x 2 | 320 x 2 |
| | | ft ³ /min | (11,301 x 1) + (8,476 x 1) | (11,301 x 1) + (8,476 x 1) | 11,301 x 2 | 11,301 x 2 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connections | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| | Gas Pipe | mm(inch) | 34.9(1-3/8) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| Dimensions (W x H x D) | mm | (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 2 | (1,240 x 1,690 x 760) x 2 | |
| Net Weight | kg | (283 x 1) + (199 x 1) | (283 x 1) + (199 x 1) | (283 x 1) + (221 x 1) | (283 x 1) + (221 x 1) | |
| | lbs | (619 x 1) + (439 x 1) | (624 x 1) + (439 x 1) | (624 x 1) + (487 x 1) | (624 x 1) + (487 x 1) | |
| Sound Pressure Level | Cooling | dB(A) | 65.6 | 66.0 | 66.2 | 66.3 |
| | Heating | dB(A) | 66.6 | 67.8 | 68.0 | 68.1 |
| Sound Power Level | Cooling | dB(A) | 86.8 | 88.5 | 89.0 | 89.2 |
| | Heating | dB(A) | 88.6 | 90.4 | 91.0 | 91.2 |
| Communication Cable | No. x mm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 14.0 + 10.0 | 16.0 + 10.0 | 16.0 + 13.0 | 16.0 + 13.0 |
| | | lbs | 30.9 + 22.0 | 35.3 + 22.0 | 35.3 + 28.7 | 35.3 + 28.7 |
| | TCO ₂ eq | | 50.1 | 54.3 | 60.5 | 60.5 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 55(64) | 58(64) | 61(64) | 64 |

- Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

Non TROPICAL MODEL

STANDARD

ARUN420LTE5 / ARUN440LTE5 / ARUN460LTE5 / ARUN480LTE5



| HP | | | 42 | 44 | 46 | 48 |
|--|------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN420LTE5 | ARUN440LTE5 | ARUN460LTE5 | ARUN480LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN180LTE5 | ARUN240LTE5 ARUN200LTE5 | ARUN240LTE5 ARUN220LTE5 | ARUN240LTE5 ARUN240LTE5 |
| Capacity | Cooling (Rated) | kW | 117.6 | 123.2 | 128.8 | 134.4 |
| | | Btu/h | 401,300 | 420,400 | 439,500 | 458,600 |
| | Heating (Rated) | kW | 131.0 | 137.3 | 143.6 | 148.5 |
| | | Btu/h | 446,900 | 468,400 | 489,900 | 506,800 |
| Input | Cooling (Rated) | kW | 27.71 | 29.07 | 31.60 | 33.52 |
| | Heating (Rated) | kW | 30.91 | 34.36 | 36.39 | 37.69 |
| Input ¹⁾ | Cooling (Rated) | kW | 33.3 | 35.5 | 38.9 | 41.0 |
| | Heating (Rated) | kW | 28.9 | 31.2 | 33.4 | 35.3 |
| | Heating (Max) | kW | 34.1 | 37.2 | 39.5 | 41.7 |
| EER (Rated) | | | 4.24 | 4.24 | 4.08 | 4.01 |
| COP (Rated) | | | 4.24 | 3.99 | 3.94 | 3.94 |
| EER ¹⁾ | | | 3.53 | 3.47 | 3.31 | 3.28 |
| ESEER | | | 5.87 | 5.75 | 5.63 | 5.58 |
| ESEER (SLC) | | | 6.84 | 6.68 | 6.77 | 6.83 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | (5,300 x 3) + (4,200 x 1) | 5,300 x 4 | 5,300 x 4 | 5,300 x 4 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | 900 x 4 | 900 x 4 | 900 x 4 | 900 x 4 |
| | Air Flow Rate (High) | m ³ /min | 320 x 2 | 320 x 2 | 320 x 2 | 320 x 2 |
| | | ft ³ /min | 11,301 x 2 | 11,301 x 2 | 11,301 x 2 | 11,301 x 2 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connections | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| | Gas Pipe | mm(inch) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| Dimensions (W x H x D) | mm | (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 | (1,240 x 1,690 x 760) x 2 | |
| Net Weight | kg | (283 x 1) + (261 x 1) | (283 x 1) + (281 x 1) | (283 x 1) + (281 x 1) | 283 x 2 | |
| | lbs | (624 x 1) + (575 x 1) | (624 x 1) + (619 x 1) | (624 x 1) + (619 x 1) | 624 x 2 | |
| Sound Pressure Level | Cooling | dB(A) | 66.5 | 66.8 | 67.8 | 68.0 |
| | Heating | dB(A) | 68.2 | 68.9 | 69.3 | 70.0 |
| Sound Power Level | Cooling | dB(A) | 89.8 | 90.1 | 90.1 | 91.0 |
| | Heating | dB(A) | 91.5 | 91.8 | 92.1 | 93.0 |
| Communication Cable | No. x mm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 + 13.0 | 16.0 + 14.0 | 16.0 + 14.0 | 16.0 + 16.0 |
| | | lbs | 35.3 + 28.7 | 35.3 + 30.9 | 35.3 + 30.9 | 35.3 + 35.3 |
| | TCO ₂ eq | | 60.5 | 62.6 | 62.6 | 66.8 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 64 | 64 | 64 | 64 |

- Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

OUTDOOR UNITS
INDOOR UNITS
HOT WATER SOLUTION
VENTILATION SOLUTIONS
CONTROL SOLUTIONS
ACCESSORIES

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN500LTE5 / ARUN520LTE5 / ARUN540LTE5 / ARUN560LTE5



| HP | | | 50 | 52 | 54 | 56 |
|--|------------------------------------|----------------------|---|---|---|---|
| Model Name | Combination Unit | | ARUN500LTE5 | ARUN520LTE5 | ARUN540LTE5 | ARUN560LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN140LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN160LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN180LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN200LTE5 ARUN120LTE5 |
| Capacity | Cooling (Rated) | kW | 140.0 | 145.6 | 151.2 | 156.8 |
| | | Btu/h | 477,700 | 496,800 | 515,900 | 535,000 |
| | Heating (Rated) | kW | 156.2 | 162.5 | 168.8 | 175.1 |
| | | Btu/h | 532,900 | 554,400 | 575,900 | 597,400 |
| Input | Cooling (Rated) | kW | 33.78 | 35.46 | 35.62 | 36.97 |
| | Heating (Rated) | kW | 36.68 | 38.49 | 38.97 | 42.42 |
| Input ¹⁾ | Cooling (Rated) | kW | 39.1 | 41.7 | 41.7 | 43.9 |
| | Heating (Rated) | kW | 34.0 | 36.4 | 36.3 | 38.6 |
| | Heating (Max) | kW | 40.6 | 43.5 | 43.0 | 46.1 |
| EER (Rated) | | | 4.14 | 4.11 | 4.24 | 4.24 |
| COP (Rated) | | | 4.26 | 4.22 | 4.33 | 4.13 |
| EER ¹⁾ | | | 3.58 | 3.49 | 3.62 | 3.57 |
| ESEER | | | 6.00 | 5.82 | 6.04 | 5.94 |
| ESEER (SLC) | | | 7.08 | 6.95 | 7.02 | 6.89 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | 5,300 x 4 | 5,300 x 4 | (5,300 x 4) + (4,200 x 1) | 5,300 x 5 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | (900 x 4) + (1,200 x 1) | (900 x 4) + (1,200 x 1) | (900 x 4) + (1,200 x 1) | (900 x 4) + (1,200 x 1) |
| | Air Flow Rate (High) | m ³ /min | (320 x 2) + (240 x 1) | (320 x 2) + (240 x 1) | (320 x 2) + (240 x 1) | (320 x 2) + (240 x 1) |
| | | ft ³ /min | (11,301 x 2) + (8,476 x 1) | (11,301 x 2) + (8,476 x 1) | (11,301 x 2) + (8,476 x 1) | (11,301 x 2) + (8,476 x 1) |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connections | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| | Gas Pipe | mm(inch) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| Dimensions (W x H x D) | mm | | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 |
| Net Weight | kg | | (283 x 1) + (221 x 1) + (199 x 1) | (283 x 1) + (221 x 1) + (199 x 1) | (283 x 1) + (261 x 1) + (199 x 1) | (283 x 1) + (281 x 1) + (199 x 1) |
| | lbs | | (624 x 1) + (487 x 1) + (439 x 1) | (624 x 1) + (487 x 1) + (439 x 1) | (624 x 1) + (575 x 1) + (439 x 1) | (624 x 1) + (619 x 1) + (439 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 67.0 | 67.1 | 67.2 | 67.4 |
| | Heating | dB(A) | 68.6 | 68.7 | 68.8 | 69.5 |
| Sound Power Level | Cooling | dB(A) | 89.4 | 89.6 | 90.1 | 90.4 |
| | Heating | dB(A) | 91.3 | 91.5 | 91.8 | 92.0 |
| Communication Cable | No. x mm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 + 13.0 + 10.0 | 16.0 + 13.0 + 10.0 | 16.0 + 13.0 + 10.0 | 16.0 + 14.0 + 10.0 |
| | | lbs | 35.3 + 28.7 + 22.0 | 35.3 + 28.7 + 22.0 | 35.3 + 28.7 + 22.0 | 35.3 + 30.9 + 22.0 |
| | TCO ₂ eq | | 81.4 | 81.4 | 81.4 | 83.5 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 64 | 64 | 64 | 64 |

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

Non TROPICAL MODEL

STANDARD

ARUN580LTE5 / ARUN600LTE5 / ARUN620LTE5 / ARUN640LTE5



| HP | | | 58 | 60 | 62 | 64 |
|--|------------------------------------|----------------------|---|---|---|---|
| Model Name | Combination Unit | | ARUN580LTE5 | ARUN600LTE5 | ARUN620LTE5 | ARUN640LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN220LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN140LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN160LTE5 |
| Capacity | Cooling (Rated) | kW | 162.4 | 168.0 | 173.6 | 179.2 |
| | | Btu/h | 554,100 | 573,200 | 592,400 | 611,500 |
| | Heating (Rated) | kW | 181.4 | 186.3 | 192.6 | 198.9 |
| | | Btu/h | 618,900 | 635,800 | 657,300 | 678,800 |
| Input | Cooling (Rated) | kW | 39.51 | 41.42 | 42.63 | 44.31 |
| | Heating (Rated) | kW | 44.45 | 45.75 | 47.47 | 49.28 |
| Input ¹⁾ | Cooling (Rated) | kW | 47.4 | 49.4 | 51.2 | 53.8 |
| | Heating (Rated) | kW | 40.7 | 42.6 | 44.3 | 46.7 |
| | Heating (Max) | kW | 48.4 | 50.6 | 52.5 | 55.5 |
| EER (Rated) | | | 4.11 | 4.06 | 4.07 | 4.04 |
| COP (Rated) | | | 4.08 | 4.07 | 4.06 | 4.04 |
| EER ¹⁾ | | | 3.43 | 3.40 | 3.39 | 3.33 |
| ESEER | | | 5.83 | 5.78 | 5.71 | 5.59 |
| ESEER (SLC) | | | 6.95 | 7.00 | 6.87 | 6.78 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | 5,300 x 5 | 5,300 x 5 | 5,300 x 5 | 5,300 x 5 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | (900 x 4) + (1,200 x 1) | (900 x 4) + (1,200 x 1) | 900 x 6 | 900 x 6 |
| | Air Flow Rate (High) | 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 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connections | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 22.2(7/8) | 22.2(7/8) |
| | Gas Pipe | mm(inch) | 41.3(1-5/8) | 41.3(1-5/8) | 44.5(1-3/4) | 44.5(1-3/4) |
| Dimensions (W x H x D) | mm | | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 3 | (1,240 x 1,690 x 760) x 3 |
| Net Weight | kg | | (283 x 1) + (281 x 1) + (199 x 1) | (283 x 2) + (199 x 1) | (283 x 2) + (221 x 1) | (283 x 2) + (221 x 1) |
| | lbs | | (624 x 1) + (619 x 1) + (439 x 1) | (624 x 2) + (439 x 1) | (624 x 2) + (487 x 1) | (624 x 2) + (487 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 68.3 | 68.5 | 68.6 | 68.7 |
| | Heating | dB(A) | 69.8 | 70.4 | 70.5 | 70.6 |
| Sound Power Level | Cooling | dB(A) | 90.4 | 91.3 | 91.5 | 91.6 |
| | Heating | dB(A) | 92.4 | 93.2 | 93.5 | 93.6 |
| Communication Cable | No. x mm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 + 14.0 + 10.0 | 16.0 + 16.0 + 10.0 | 16.0 + 16.0 + 13.0 | 16.0 + 16.0 + 13.0 |
| | | lbs | 35.3 + 30.9 + 22.0 | 35.3 + 35.3 + 22.0 | 35.3 + 35.3 + 28.7 | 35.3 + 35.3 + 28.7 |
| | TCO ₂ eq | | 83.5 | 87.7 | 93.9 | 93.9 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 64 | 64 | 64 | 64 |

Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN660LTE5 / ARUN680LTE5 / ARUN700LTE5 / ARUN720LTE5



| HP | | | 66 | 68 | 70 | 72 |
|---|------------------------------------|----------------------|---|---|---|---|
| Model Name | Combination Unit | | ARUN660LTE5 | ARUN680LTE5 | ARUN700LTE5 | ARUN720LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN240LTE5 ARUN180LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN200LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN220LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 |
| Capacity | Cooling (Rated) | kW | 184.8 | 190.4 | 196.0 | 201.6 |
| | | Btu/h | 630,600 | 649,700 | 668,800 | 687,900 |
| | Heating (Rated) | kW | 205.2 | 211.5 | 217.8 | 222.8 |
| | | Btu/h | 700,300 | 721,800 | 743,300 | 760,200 |
| Input | Cooling (Rated) | kW | 44.47 | 45.82 | 48.36 | 50.27 |
| | Heating (Rated) | kW | 49.76 | 53.21 | 55.24 | 56.54 |
| Input ¹⁾ | Cooling (Rated) | kW | 53.8 | 56.0 | 59.4 | 61.5 |
| | Heating (Rated) | kW | 46.5 | 48.8 | 51.0 | 52.9 |
| | Heating (Max) | kW | 55.0 | 58.1 | 60.3 | 62.6 |
| EER (Rated) | | | 4.16 | 4.16 | 4.05 | 4.01 |
| COP (Rated) | | | 4.12 | 3.97 | 3.94 | 3.94 |
| EER ¹⁾ | | | 3.43 | 3.40 | 3.30 | 3.28 |
| ESEER | | | 5.76 | 5.69 | 5.61 | 5.58 |
| ESEER (SLC) | | | 6.84 | 6.73 | 6.79 | 6.83 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | (5,300 x 5) + (4,200 x 1) | 5,300 x 6 | 5,300 x 6 | 5,300 x 6 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | 900 x 6 | 900 x 6 | 900 x 6 | 900 x 6 |
| | Air Flow Rate (High) | m ³ /min | 320 x 3 | 320 x 3 | 320 x 3 | 320 x 3 |
| | | ft ³ /min | 11,301 x 3 | 11,301 x 3 | 11,301 x 3 | 11,301 x 3 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connections | Liquid Pipe | mm(inch) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) |
| | Gas Pipe | mm(inch) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) |
| Dimensions (W x H x D) | mm | | (1,240 x 1,690 x 760) x 3 | (1,240 x 1,690 x 760) x 3 | (1,240 x 1,690 x 760) x 3 | (1,240 x 1,690 x 760) x 3 |
| Net Weight | kg | | (290 x 2) + (270 x 1) | (290 x 2) + (288 x 1) | (290 x 2) + (288 x 1) | 290 x 3 |
| | lbs | | (639 x 2) + (595 x 1) | (639 x 2) + (635 x 1) | (639 x 2) + (635 x 1) | 639 x 3 |
| Sound Pressure Level | Cooling | dB(A) | 68.8 | 69.0 | 69.6 | 69.8 |
| | Heating | dB(A) | 70.6 | 71.1 | 71.3 | 71.8 |
| Sound Power Level | Cooling | dB(A) | 92.0 | 92.2 | 92.2 | 92.8 |
| | Heating | dB(A) | 93.8 | 94.0 | 94.2 | 94.8 |
| Communication Cable | No. x mm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 + 16.0 + 13.0 | 16.0 + 16.0 + 14.0 | 16.0 + 16.0 + 14.0 | 16.0 + 16.0 + 16.0 |
| | TCO ₂ eq | lbs | 35.3 + 35.3 + 28.7 | 35.3 + 35.3 + 30.9 | 35.3 + 35.3 + 30.9 | 35.3 + 35.3 + 35.3 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maxmum Connectable Indoor Units | | | 64 | 64 | 64 | 64 |

- Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

Non TROPICAL MODEL

STANDARD

ARUN740LTE5 / ARUN760LTE5 / ARUN780LTE5 / ARUN800LTE5



| HP | | | 74 | 76 | 78 | 80 |
|---|------------------------------------|----------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUN740LTE5 | ARUN760LTE5 | ARUN780LTE5 | ARUN800LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN240LTE5 ARUN140LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN160LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN180LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN200LTE5 ARUN120LTE5 |
| Capacity | Cooling (Rated) | kW | 207.2 | 212.8 | 218.4 | 224.0 |
| | | Btu/h | 707,000 | 726,100 | 745,200 | 764,300 |
| | Heating (Rated) | kW | 230.4 | 236.7 | 243.0 | 249.3 |
| | | Btu/h | 786,300 | 807,800 | 829,300 | 850,800 |
| Input | Cooling (Rated) | kW | 50.54 | 52.22 | 52.38 | 53.73 |
| | Heating (Rated) | kW | 55.53 | 57.34 | 57.82 | 61.27 |
| Input ¹⁾ | Cooling (Rated) | kW | 59.6 | 62.2 | 62.2 | 64.4 |
| | Heating (Rated) | kW | 51.7 | 54.1 | 53.9 | 56.2 |
| | Heating (Max) | kW | 61.4 | 64.4 | 63.9 | 66.9 |
| EER (Rated) | | | 4.10 | 4.08 | 4.17 | 4.17 |
| COP (Rated) | | | 4.15 | 4.13 | 4.20 | 4.07 |
| EER ¹⁾ | | | 3.48 | 3.42 | 3.51 | 3.48 |
| ESEER | | | 5.86 | 5.74 | 5.89 | 5.83 |
| ESEER (SLC) | | | 7.00 | 6.91 | 6.96 | 6.87 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output x Number | W x No. | 5,300 x 6 | 5,300 x 6 | (5,300 x 6) + (4,200 x 1) | 5,300 x 7 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | (900 x 6) + (1,200 x 1) | (900 x 6) + (1,200 x 1) | (900 x 6) + (1,200 x 1) | (900 x 6) + (1,200 x 1) |
| | Air Flow Rate (High) | m ³ /min | (320 x 3) + (240 x 1) | (320 x 3) + (240 x 1) | (320 x 3) + (240 x 1) | (320 x 3) + (240 x 1) |
| | | ft ³ /min | (11,301 x 3) + (8,476 x 1) | (11,301 x 3) + (8,476 x 1) | (11,301 x 3) + (8,476 x 1) | (11,301 x 3) + (8,476 x 1) |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connections | Liquid Pipe | mm(inch) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) |
| | Gas Pipe | mm(inch) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) |
| Dimensions (W x H x D) | mm | | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 |
| Net Weight | kg | | (290 x 2) + (270 x 1) + (448 x 1) | (290 x 2) + (270 x 1) + (448 x 1) | (290 x 2) + (270 x 1) + (448 x 1) | (290 x 2) + (288 x 1) + (203 x 1) |
| | lbs | | (639 x 2) + (507 x 1) + (448 x 1) | (639 x 2) + (507 x 1) + (448 x 1) | (639 x 2) + (595 x 1) + (448 x 1) | (639 x 2) + (635 x 1) + (448 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 69.1 | 69.2 | 69.2 | 69.4 |
| | Heating | dB(A) | 70.9 | 70.9 | 71.0 | 71.4 |
| Sound Power Level | Cooling | dB(A) | 91.8 | 91.9 | 92.2 | 92.4 |
| | Heating | dB(A) | 93.7 | 93.8 | 94.0 | 94.2 |
| Communication Cable | No. x mm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 + 16.0 + 13.0 + 10.0 | 16.0 + 16.0 + 13.0 + 10.0 | 16.0 + 16.0 + 13.0 + 10.0 | 16.0 + 16.0 + 14.0 + 10.0 |
| | TCO ₂ eq | lbs | 35.3 + 35.3 + 28.7 + 22.0 | 35.3 + 35.3 + 28.7 + 22.0 | 35.3 + 35.3 + 28.7 + 22.0 | 35.3 + 35.3 + 30.9 + 22.0 |
| | Control | | 114.8 | 114.8 | 114.8 | 116.9 |
| Power Supply | ∅, V, Hz | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| | | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maxmum Connectable Indoor Units | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| | | | 64 | 64 | 64 | 64 |

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 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

MULTI V 5

Non TROPICAL MODEL

STANDARD

ARUN820LTE5 / ARUN840LTE5
ARUN860LTE5 / ARUN880LTE5



| HP | 82 | | 84 | | 86 | | 88 | | | |
|---|--|--|--|--|--|---------------------------|--|---------------------------|---------------------------|--|
| Model Name | Combination Unit ARUN820LTE5 | | ARUN840LTE5 | | ARUN860LTE5 | | ARUN880LTE5 | | | |
| | Independent Unit ARUN240LTE5 ARUN240LTE5 ARUN220LTE5 ARUN120LTE5 | | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN120LTE5 | | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN140LTE5 | | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN160LTE5 | | | |
| Capacity | Cooling (Rated) | kW | 229.6 | 235.2 | 240.8 | 246.4 | | | | |
| | | Btu/h | 783,400 | 802,500 | 821,700 | 840,800 | | | | |
| | Heating (Rated) | kW | 255.6 | 260.6 | 266.9 | 273.2 | | | | |
| | | Btu/h | 872,300 | 889,200 | 910,700 | 932,200 | | | | |
| Input | Cooling (Rated) | kW | 56.27 | 58.18 | 59.39 | 61.07 | | | | |
| | | kW | 63.30 | 64.60 | 66.32 | 68.13 | | | | |
| Input ¹⁾ | Cooling (Rated) | kW | 67.8 | 69.9 | 71.7 | 74.3 | | | | |
| | | kW | 58.4 | 60.3 | 61.9 | 64.3 | | | | |
| | Heating (Rated) | kW | 69.2 | 71.5 | 73.4 | 76.4 | | | | |
| | | kW | 69.2 | 71.5 | 73.4 | 76.4 | | | | |
| | Heating (Max) | kW | | | | | | | | |
| EER (Rated) | | | 4.08 | 4.04 | 4.05 | 4.03 | | | | |
| COP (Rated) | | | 4.04 | 4.03 | 4.02 | 4.01 | | | | |
| EER ¹⁾ | | | 3.38 | 3.37 | 3.36 | 3.32 | | | | |
| ESEER | | | 5.75 | 5.72 | 5.68 | 5.59 | | | | |
| ESEER (SLC) | | | 6.91 | 6.95 | 6.86 | 6.79 | | | | |
| Power Factor | Rated | | 0.93 | 0.93 | 0.93 | 0.93 | | | | |
| Exterior | Color | Warm Gray / Dawn Gray | | Warm Gray / Dawn Gray | | Warm Gray / Dawn Gray | | Warm Gray / Dawn Gray | | |
| | RAL code | NL503K / NA507K | | NL503K / NA507K | | NL503K / NA507K | | NL503K / NA507K | | |
| Heat Exchanger | Wide Louver Plus | | Wide Louver Plus | | Wide Louver Plus | | Wide Louver Plus | | | |
| Compressor | Motor Output x Number | W x No. | 5,300 x 7 | | 5,300 x 7 | | 5,300 x 7 | | | |
| Fan | Type | Propeller fan | | | | | | | | |
| | Motor Output x Number | W | (900 x 6) + (1,200 x 1) | | (900 x 6) + (1,200 x 1) | | 900 x 8 | | | |
| | Air Flow Rate (High) | m ³ /min | (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 4 | | | |
| | External Static Pressure (Max, Pa) | 80 | | | | | | | | |
| | Drive | DC INVERTER | | | | | | | | |
| Discharge | Side / Top | TOP | | | | | | | | |
| Pipe Connctions | Liquid Pipe | 22.2(7/8) | | | | | | | | |
| | Gas Pipe | 53.98(2-1/8) | | | | | | | | |
| Dimensions (W x H x D) | mm | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | | (1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1 | | (1,240 x 1,690 x 760) x 4 | | (1,240 x 1,690 x 760) x 4 | | |
| Net Weight | kg | (283 x 2) + (281 x 1) + (199 x 1) | | (283 x 3) + (199 x 1) | | (283 x 3) + (221 x 1) | | (283 x 3) + (221 x 1) | | |
| | lbs | (624 x 2) + (619 x 1) + (439 x 1) | | (624 x 3) + (439 x 1) | | (624 x 3) + (487 x 1) | | (624 x 3) + (487 x 1) | | |
| Sound Pressure Level | Cooling | dB(A) | 70.0 | | 70.1 | | 70.2 | | 70.3 | |
| | Heating | dB(A) | 71.6 | | 72.1 | | 72.1 | | 72.2 | |
| Sound Power Level | Cooling | dB(A) | 92.4 | | 92.9 | | 93.1 | | 93.2 | |
| | Heating | dB(A) | 94.4 | | 94.9 | | 95.1 | | 95.2 | |
| Communication Cable | No. x mm ² (VCTF-SB) | 2C x 1.0 - 1.5 | | | | | | | | |
| Refrigerant | Refrigerant Name | R410A | | | | | | | | |
| | Precharged Amount in factory | kg | 16.0 + 16.0 + 14.0 + 10.0 | | 16.0 + 16.0 + 16.0 + 10.0 | | 16.0 + 16.0 + 16.0 + 13.0 | | 16.0 + 16.0 + 16.0 + 13.0 | |
| | | lbs | 35.3 + 35.3 + 30.9 + 22.0 | | 35.3 + 35.3 + 35.3 + 22.0 | | 35.3 + 35.3 + 35.3 + 28.7 | | 35.3 + 35.3 + 35.3 + 28.7 | |
| | TCO ₂ eq | | 116.9 | | 121.1 | | 127.3 | | 127.3 | |
| Control | Electronic Expansion Valve | | | | | | | | | |
| Power Supply | Ø, V, Hz | 380-415, 3, 50 | | 380-415, 3, 50 | | 380-415, 3, 50 | | 380-415, 3, 50 | | |
| | | 380, 3, 60 | | 380, 3, 60 | | 380, 3, 60 | | 380, 3, 60 | | |
| Number of Maxmum Connectable Indoor Units | 64 | | | | | | | | | |

- Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

Non TROPICAL MODEL

STANDARD

ARUN900LTE5 / ARUN920LTE5 / ARUN940LTE5 / ARUN960LTE5



| HP | 90 | | 92 | | 94 | | 96 | | | |
|---|--|---------------------------|--|---------------------------|--|---------------------------|--|---------------------------|---------------------------|--|
| Model Name | Combination Unit ARUN900LTE5 | | ARUN920LTE5 | | ARUN940LTE5 | | ARUN960LTE5 | | | |
| | Independent Unit ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN180LTE5 | | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN200LTE5 | | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 | | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 | | | |
| Capacity | Cooling (Rated) | kW | 252.0 | 257.6 | 263.2 | 268.8 | | | | |
| | | Btu/h | 859,900 | 879,000 | 898,100 | 917,200 | | | | |
| | Heating (Rated) | kW | 279.5 | 285.8 | 292.1 | 297.0 | | | | |
| | | Btu/h | 953,700 | 975,200 | 996,700 | 1,013,600 | | | | |
| Input | Cooling (Rated) | kW | 61.23 | 62.58 | 65.12 | 67.03 | | | | |
| | | kW | 68.60 | 72.06 | 74.08 | 75.39 | | | | |
| Input ¹⁾ | Cooling (Rated) | kW | 74.3 | 76.5 | 79.9 | 82.0 | | | | |
| | | kW | 64.2 | 66.5 | 68.6 | 70.6 | | | | |
| | Heating (Rated) | kW | 75.9 | 78.9 | 81.2 | 83.5 | | | | |
| | | kW | 75.9 | 78.9 | 81.2 | 83.5 | | | | |
| | Heating (Max) | kW | | | | | | | | |
| EER (Rated) | | | 4.12 | 4.12 | 4.04 | 4.01 | | | | |
| COP (Rated) | | | 4.07 | 3.97 | 3.94 | 3.94 | | | | |
| EER ¹⁾ | | | 3.39 | 3.37 | 3.29 | 3.28 | | | | |
| ESEER | | | 5.71 | 5.66 | 5.61 | 5.58 | | | | |
| ESEER (SLC) | | | 6.83 | 6.76 | 6.80 | 6.83 | | | | |
| Power Factor | Rated | | 0.93 | 0.93 | 0.93 | 0.93 | | | | |
| Exterior | Color | Warm Gray / Dawn Gray | | Warm Gray / Dawn Gray | | Warm Gray / Dawn Gray | | Warm Gray / Dawn Gray | | |
| | RAL code | NL503K / NA507K | | NL503K / NA507K | | NL503K / NA507K | | NL503K / NA507K | | |
| Heat Exchanger | Wide Louver Plus | | Wide Louver Plus | | Wide Louver Plus | | Wide Louver Plus | | | |
| Compressor | Motor Output x Number | W x No. | (5,300 x 7) + (4,200 x 1) | | 5,300 x 8 | | 5,300 x 8 | | | |
| Fan | Type | Propeller fan | | | | | | | | |
| | Motor Output x Number | W | 900 x 8 | | 900 x 8 | | 900 x 8 | | | |
| | Air Flow Rate (High) | m ³ /min | 320 x 4 | | 320 x 4 | | 320 x 4 | | | |
| | | ft ³ /min | 11,301 x 4 | | 11,301 x 4 | | 11,301 x 4 | | | |
| | External Static Pressure (Max, Pa) | 80 | | | | | | | | |
| | Drive | DC INVERTER | | | | | | | | |
| Discharge | Side / Top | TOP | | | | | | | | |
| Pipe Connctions | Liquid Pipe | 22.2(7/8) | | | | | | | | |
| | Gas Pipe | 53.98(2-1/8) | | | | | | | | |
| Dimensions (W x H x D) | mm | (1,240 x 1,690 x 760) x 4 | | (1,240 x 1,690 x 760) x 4 | | (1,240 x 1,690 x 760) x 4 | | (1,240 x 1,690 x 760) x 4 | | |
| Net Weight | kg | (283 x 3) + (261 x 1) | | (283 x 3) + (281 x 1) | | (283 x 3) + (281 x 1) | | 283 x 4 | | |
| | lbs | (624 x 3) + (575 x 1) | | (624 x 3) + (619 x 1) | | (624 x 3) + (619 x 1) | | 624 x 4 | | |
| Sound Pressure Level | Cooling | dB(A) | 70.3 | | 70.9 | | 71.0 | | | |
| | Heating | dB(A) | 72.2 | | 72.5 | | 72.7 | | | |
| Sound Power Level | Cooling | dB(A) | 93.4 | | 93.6 | | 93.6 | | | |
| | Heating | dB(A) | 95.3 | | 95.4 | | 95.6 | | | |
| Communication Cable | No. x mm ² (VCTF-SB) | 2C x 1.0 - 1.5 | | | | | | | | |
| Refrigerant | Refrigerant Name | R410A | | | | | | | | |
| | Precharged Amount in factory | kg | 16.0 + 16.0 + 16.0 + 13.0 | | 16.0 + 16.0 + 16.0 + 14.0 | | 16.0 + 16.0 + 16.0 + 14.0 | | 16.0 + 16.0 + 16.0 + 16.0 | |
| | | lbs | 35.3 + 35.3 + 35.3 + 28.7 | | 35.3 + 35.3 + 35.3 + 30.9 | | 35.3 + 35.3 + 35.3 + 30.9 | | 35.3 + 35.3 + 35.3 + 35.3 | |
| | TCO ₂ eq | | 127.3 | | 129.4 | | 129.4 | | 133.6 | |
| Control | Electronic Expansion Valve | | | | | | | | | |
| Power Supply | Ø, V, Hz | 380-415, 3, 50 | | 380-415, 3, 50 | | 380-415, 3, 50 | | 380-415, 3, 50 | | |
| | | 380, 3, 60 | | 380, 3, 60 | | 380, 3, 60 | | 380, 3, 60 | | |
| Number of Maxmum Connectable Indoor Units | 64 | | | | | | | | | |

- Note : 1. Due to our policy of innovation some specifications may be changed without notification.
 2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 3. Power factor could vary less than ±1% according to the operating conditions.
 4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions : Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
 * Eurovent test Condition

OUTDOOR UNITS

INDOOR UNITS

HOT WATER SOLUTION

VENTILATION SOLUTIONS

CONTROL SOLUTIONS

ACCESSORIES

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN080LEH5 / ARUN100LEH5 / ARUN120LEH5 / ARUN140LEH5



| HP | | | 8 | 10 | 12 | 14 |
|--|---------------------------------|----------------------|------------------------------------|------------------------------------|--------------------------------------|--------------------------------------|
| Model Name | Combination Unit | | ARUN080LEH5 | ARUN100LEH5 | ARUN120LEH5 | ARUN140LEH5 |
| | Independent Unit | | ARUN080LEH5 | ARUN100LEH5 | ARUN120LEH5 | ARUN140LEH5 |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 6.4 | 8.0 | 9.5 | 11.1 |
| | | kW | 22.4 | 28.0 | 33.6 | 39.2 |
| | | Btu/h | 76,400 | 95,500 | 114,600 | 133,800 |
| | **Cooling - T3 46°C | RT | 5.7 | 7.2 | 9.4 | 11.0 |
| | | kW | 20.2 | 25.5 | 33.0 | 38.8 |
| | | Btu/h | 68,800 | 87,000 | 112,600 | 132,400 |
| | Heating | RT | 7.2 | 8.9 | 10.7 | 12.5 |
| | | kW | 25.2 | 31.5 | 37.8 | 43.9 |
| | | Btu/h | 86,000 | 107,500 | 129,000 | 149,900 |
| Input (Rated) ¹⁾ | *Cooling - T1 35°C | kW | 4.52 | 5.58 | 7.53 | 9.10 |
| | **Cooling - T3 46°C | kW | 6.20 | 7.75 | 9.60 | 11.78 |
| | Heating | kW | 4.88 | 5.68 | 7.58 | 9.69 |
| COP ¹⁾ | *Cooling - T1 35°C | kW/kW | 4.96 | 5.02 | 4.46 | 4.31 |
| | **Cooling - T3 46°C | kW/kW | 3.25 | 3.29 | 3.44 | 3.29 |
| | Heating | kW/kW | 5.16 | 5.55 | 4.99 | 4.53 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62 | 62 | 62 | 62 |
| | Number of Revolution | rev/min | 3,600 | 3,600 | 3,600 | 3,600 |
| | Motor Output x Number | W x No. | 5,300 x 1 | 5,300 x 1 | 5,300 x 1 | 5,300 x 1 |
| | Starting Method | | 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 | 1,200 x 1 | 1,200 x 1 | 900 x 2 | 900 x 2 |
| | Air Flow Rate (High) | m ³ /min | 240 x 1 | 240 x 1 | 320 x 1 | 320 x 1 |
| | | ft ³ /min | 8,476 x 1 | 8,476 x 1 | 11,301 x 1 | 11,301 x 1 |
| 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) |
| | | mm | (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 | (1,240 x 1,690 x 760) x 1 |
| Dimensions (W x H x D) | | 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 | (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 | 200 x 1 | 200 x 1 | 221 x 1 | 221 x 1 |
| Sound Pressure Level | Cooling | dB(A) | 58.0 | 58.0 | 59.0 | 60.0 |
| | Heating | dB(A) | 59.0 | 59.0 | 60.0 | 61.0 |
| Sound Power Level | Cooling | dB(A) | 77.0 | 78.0 | 79.0 | 82.0 |
| | Heating | dB(A) | 78.0 | 79.0 | 80.0 | 84.0 |
| 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 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount | kg | 10.0 | 10.0 | 13.0 | 13.0 |
| | | lbs | 22.0 | 22.0 | 28.7 | 28.7 |
| Power Supply | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maximum Connectable Indoor Units | | | 13(20) | 16(25) | 23(35) | 23(35) |

TROPICAL MODEL

HIGH EFFICIENCY

ARUN160LEH5 / ARUN180LEH5 / ARUN200LEH5 / ARUN220LEH5



| HP | | | 16 | 18 | 20 | 22 |
|--|---------------------------------|----------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|
| Model Name | Combination Unit | | ARUN160LEH5 | ARUN180LEH5 | ARUN200LEH5 | ARUN220LEH5 |
| | Independent Unit | | ARUN160LEH5 | ARUN180LEH5 | ARUN200LEH5 | ARUN120LEH5 ARUN100LEH5 |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 12.7 | 14.3 | 15.9 | 17.5 |
| | | kW | 44.8 | 50.4 | 56.0 | 61.6 |
| | | Btu/h | 152,900 | 172,000 | 191,100 | 210,200 |
| | **Cooling - T3 46°C | RT | 11.5 | 12.9 | 13.9 | 16.6 |
| | | kW | 40.3 | 45.4 | 49.0 | 58.5 |
| | | Btu/h | 137,600 | 154,900 | 167,200 | 199,600 |
| | Heating | RT | 14.2 | 16.1 | 17.9 | 19.7 |
| | | kW | 50.0 | 56.7 | 63.0 | 69.3 |
| | | Btu/h | 170,600 | 193,500 | 215,000 | 236,500 |
| Input (Rated) ¹⁾ | *Cooling - T1 35°C | kW | 9.87 | 10.72 | 12.50 | 13.11 |
| | **Cooling - T3 46°C | kW | 12.80 | 13.91 | 15.77 | 17.35 |
| | Heating | kW | 10.30 | 13.34 | 15.52 | 13.26 |
| COP ¹⁾ | *Cooling - T1 35°C | kW/kW | 4.54 | 4.70 | 4.48 | 4.70 |
| | **Cooling - T3 46°C | kW/kW | 3.15 | 3.26 | 3.11 | 3.37 |
| | Heating | kW/kW | 4.85 | 4.25 | 4.06 | 5.23 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 x 1 + 43.8 x 1 | 62.1 x 2 | 62.1 x 2 | 62.1 x 2 |
| | Number of Revolution | rev/min | 3,600 x 2 | 3,600 x 2 | 3,600 x 2 | 3,600 x 2 |
| | Motor Output x Number | W x No. | 5,300 x 1 + 4,200 x 1 | 5,300 x 2 | 5,300 x 2 | 5,300 x 2 |
| | 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 | 900 x 2 | 900 x 2 | 900 x 2 | (900 x 2) + (1,200 x 1) |
| | Air Flow Rate (High) | m ³ /min | 320 x 1 | 320 x 1 | 320 x 1 | (320 x 1) + (240 x 1) |
| | | ft ³ /min | 11,301 x 1 | 11,301 x 1 | 11,301 x 1 | (11,301 x 1) + (8,476 x 1) |
| 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) |
| | | 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 | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 |
| Dimensions (W x H x D) | | 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 | (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 | 261 x 1 | 281 x 1 | 281 x 1 | (221 x 1) + (200 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 60.5 | 61.0 | 62.0 | 61.5 |
| | Heating | dB(A) | 61.5 | 62.0 | 64.5 | 62.5 |
| Sound Power Level | Cooling | dB(A) | 83.0 | 85.0 | 86.0 | 81.5 |
| | Heating | dB(A) | 85.0 | 86.0 | 87.0 | 82.5 |
| 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 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount | kg | 12.0 | 14.0 | 14.0 | 23.0 |
| | | lbs | 26.5 | 30.9 | 30.9 | 50.7 |
| Power Supply | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maximum Connectable Indoor Units | | | 26(40) | 29(45) | 32(50) | 35(56) |

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN240LEH5 / ARUN260LEH5 / ARUN280LEH5 / ARUN300LEH5



| HP | | | 24 | 26 | 28 | 30 |
|--|---------------------------------|----------------------|--|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN240LEH5 | ARUN260LEH5 | ARUN280LEH5 | ARUN300LEH5 |
| | Independent Unit | | ARUN140LEH5 ARUN100LEH5 | ARUN140LEH5 ARUN120LEH5 | ARUN140LEH5 ARUN140LEH5 | ARUN160LEH5 ARUN140LEH5 |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 2 | 2 | 2 | 2 |
| | | kW | 19.1 | 20.7 | 22.3 | 23.9 |
| | | Btu/h | 67.2 | 72.8 | 78.4 | 84.0 |
| | **Cooling - T3 46°C | RT | 229,300 | 248,400 | 267,500 | 286,600 |
| | | kW | 18.3 | 20.4 | 22.0 | 22.5 |
| | | Btu/h | 64.3 | 71.8 | 77.6 | 79.1 |
| | Heating | RT | 219,400 | 245,000 | 264,800 | 270,000 |
| | | kW | 21.4 | 23.2 | 24.9 | 26.7 |
| | | Btu/h | 75.4 | 81.7 | 87.8 | 93.9 |
| Input (Rated) ¹⁾ | *Cooling - T1 35°C | kW | 14.68 | 16.63 | 18.20 | 18.97 |
| | **Cooling - T3 46°C | kW | 19.53 | 21.38 | 23.56 | 24.58 |
| | Heating | kW | 15.37 | 17.27 | 19.38 | 19.99 |
| COP ¹⁾ | *Cooling - T1 35°C | kW/kW | 4.58 | 4.38 | 4.31 | 4.43 |
| | **Cooling - T3 46°C | kW/kW | 3.29 | 3.36 | 3.29 | 3.22 |
| | Heating | kW/kW | 4.91 | 4.73 | 4.53 | 4.70 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 x 2 | 62.1 x 2 | 62.1 x 2 | (62.1 x 2) + (43.8 x 1) |
| | Number of Revolution | rev/min | 3,600 x 2 | 3,600 x 2 | 3,600 x 2 | 3,600 x 3 |
| | Motor Output x Number | W x No. | 5,300 x 2 | 5,300 x 2 | 5,300 x 2 | (5,300 x 2) + (4,200 x 1) |
| | 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 | (900 x 2) + (1,200 x 1) | 900 x 4 | 900 x 4 | 900 x 4 |
| | Air Flow Rate (High) | m ³ /min | (320 x 1) + (240 x 1) | 320 x 2 | 320 x 2 | 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 |
| Pipe Connctions | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 15.88(5/8) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| Dimensions (W x H x D) | Gas Pipe | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) |
| | | mm | (1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760) x 2 | (1,240 x 1,690 x 760) x 2 | (1,240 x 1,690 x 760) x 2 |
| Net Weight | | kg | (221 x 1) + (200 x 1) | 221 x 2 | 221 x 2 | (261 x 1) + (221 x 1) |
| | | lbs | (487 x 1) + (441 x 1) | 487 x 2 | 487 x 2 | (575 x 1) + (487 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 62.1 | 62.5 | 63.0 | 63.3 |
| | Heating | dB(A) | 63.1 | 63.5 | 64.0 | 64.3 |
| Sound Power Level | Cooling | dB(A) | 83.5 | 83.8 | 85.0 | 85.5 |
| | Heating | dB(A) | 85.2 | 85.5 | 87.0 | 87.5 |
| 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 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount | kg | 23.0 | 26.0 | 26.0 | 25.0 |
| | | lbs | 50.7 | 57.4 | 57.4 | 55.2 |
| Power Supply | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| | | ∅, V, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maximum Connectable Indoor Units | | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 |
| | | | 39(48) | 42(52) | 45(56) | 49(60) |

TROPICAL MODEL

HIGH EFFICIENCY

ARUN320LEH5 / ARUN340LEH5 / ARUN360LEH5 / ARUN380LEH5



| HP | | | 32 | 34 | 36 | 38 |
|--|---------------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN320LEH5 | ARUN340LEH5 | ARUN360LEH5 | ARUN380LEH5 |
| | Independent Unit | | ARUN180LEH5 ARUN140LEH5 | ARUN200LEH5 ARUN140LEH5 | ARUN200LEH5 ARUN160LEH5 | ARUN200LEH5 ARUN180LEH5 |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 2 | 2 | 2 | 2 |
| | | kW | 25.4 | 27.0 | 28.6 | 30.2 |
| | | Btu/h | 89.6 | 95.2 | 100.8 | 106.4 |
| | **Cooling - T3 46°C | RT | 305,700 | 324,800 | 343,900 | 363,000 |
| | | kW | 23.9 | 24.9 | 25.4 | 26.8 |
| | | Btu/h | 84.2 | 87.8 | 89.3 | 94.4 |
| | Heating | RT | 287,300 | 299,600 | 304,800 | 322,100 |
| | | kW | 28.6 | 30.4 | 32.1 | 34.0 |
| | | Btu/h | 100.6 | 106.9 | 113.0 | 119.7 |
| Input (Rated) ¹⁾ | *Cooling - T1 35°C | kW | 19.82 | 21.60 | 22.37 | 23.22 |
| | **Cooling - T3 46°C | kW | 25.69 | 27.55 | 28.57 | 29.68 |
| | Heating | kW | 23.03 | 25.21 | 25.82 | 28.86 |
| COP ¹⁾ | *Cooling - T1 35°C | kW/kW | 4.52 | 4.41 | 4.51 | 4.58 |
| | **Cooling - T3 46°C | kW/kW | 3.28 | 3.19 | 3.13 | 3.18 |
| | Heating | kW/kW | 4.37 | 4.24 | 4.38 | 4.15 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 x 3 | 62.1 x 3 | (62.1 x 3) + (43.8 x 1) | 62.1 x 4 |
| | Number of Revolution | rev/min | 3,600 x 3 | 3,600 x 3 | 3,600 x 4 | 3,600 x 4 |
| | Motor Output x Number | W x No. | 5,300 x 3 | 5,300 x 3 | (5,300 x 3) + (4,200 x 1) | 5,300 x 4 |
| | Starting Method | | Direct On Line | 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 | 900 x 4 | 900 x 4 | 900 x 4 | 900 x 4 |
| | Air Flow Rate (High) | m ³ /min | 320 x 2 | 320 x 2 | 320 x 2 | 320 x 2 |
| | | ft ³ /min | 11,301 x 2 | 11,301 x 2 | 11,301 x 2 | 11,301 x 2 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| Dimensions (W x H x D) | Gas Pipe | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| | | 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 | (1,240 x 1,690 x 760) x 2 |
| Net Weight | | kg | (281 x 1) + (221 x 1) | (281 x 1) + (221 x 1) | (281 x 1) + (261 x 1) | 281 x 2 |
| | | lbs | (619 x 1) + (487 x 1) | (619 x 1) + (487 x 1) | (619 x 1) + (575 x 1) | 619 x 2 |
| Sound Pressure Level | Cooling | dB(A) | 63.5 | 64.1 | 64.3 | 64.5 |
| | Heating | dB(A) | 64.5 | 66.1 | 66.3 | 66.4 |
| Sound Power Level | Cooling | dB(A) | 86.8 | 87.5 | 87.8 | 88.5 |
| | Heating | dB(A) | 88.1 | 88.8 | 89.1 | 89.5 |
| 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 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | R410A |
| | Precharged Amount | kg | 27.0 | 27.0 | 26.0 | 28.0 |
| | | lbs | 59.6 | 59.6 | 57.4 | 61.8 |
| Power Supply | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| | | ∅, V, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maximum Connectable Indoor Units | | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 |
| | | | 52(64) | 55(64) | 58(64) | 61(64) |

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN400LEH5 / ARUN420LEH5 / ARUN440LEH5 / ARUN460LEH5



| HP | | 40 | 42 | 44 | 46 | |
|--|---------------------------------|--------------------------------------|---|---|---|----------------|
| Model Name | Combination Unit | ARUN400LEH5 | ARUN420LEH5 | ARUN440LEH5 | ARUN460LEH5 | |
| | Independent Unit | ARUN200LEH5 ARUN200LEH5 | ARUN140LEH5 ARUN140LEH5 ARUN140LEH5 | ARUN160LEH5 ARUN140LEH5 ARUN140LEH5 | ARUN180LEH5 ARUN140LEH5 ARUN140LEH5 | |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 2 | 3 | 3 | 3 |
| | | kW | 31.8 | 33.4 | 35.0 | 36.6 |
| | | Btu/h | 112.0 | 117.6 | 123.2 | 128.8 |
| | **Cooling - T3 46°C | RT | 382,100 | 401,300 | 420,400 | 439,500 |
| | | kW | 27.8 | 33.1 | 33.5 | 34.9 |
| | | Btu/h | 98.0 | 116.4 | 117.9 | 123.0 |
| | Heating | RT | 334,400 | 397,200 | 402,300 | 419,700 |
| | | kW | 35.8 | 37.4 | 39.1 | 41.0 |
| | | Btu/h | 126.0 | 131.8 | 137.8 | 144.5 |
| | Input (Rated) ¹⁾ | *Cooling - T1 35°C | 429,900 | 449,600 | 470,300 | 493,200 |
| | | **Cooling - T3 46°C | 25.00 | 27.30 | 28.07 | 28.92 |
| | | Heating | 31.54 | 35.34 | 36.36 | 37.47 |
| COP ¹⁾ | *Cooling - T1 35°C | 31.04 | 29.07 | 29.68 | 32.72 | |
| | **Cooling - T3 46°C | 4.48 | 4.31 | 4.39 | 4.45 | |
| | Heating | 3.11 | 3.29 | 3.24 | 3.28 | |
| Power Factor | Rated | 4.06 | 4.53 | 4.64 | 4.42 | |
| Casing | Color | - | 0.93 | 0.93 | 0.93 | |
| Heat Exchanger | Type | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | |
| | Material | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | |
| Compressor | Type | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | |
| | Piston Displacement | cm ³ /rev | 62.1 x 4 | 62.1 x 3 | (62.1 x 3) + (43.8 x 1) | 62.1 x 4 |
| | Number of Revolution | rev/min | 3,600 x 4 | 3,600 x 3 | 3,600 x 4 | 3,600 x 4 |
| | Motor Output x Number | W x No. | 5,300 x 4 | 5,300 x 3 | (5,300 x 3) + (4,200 x 1) | 5,300 x 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 | 900 x 4 | 900 x 6 | 900 x 6 | 900 x 6 |
| | Air Flow Rate (High) | m ³ /min | 320 x 2 | 320 x 3 | 320 x 3 | 320 x 3 |
| | ft ³ /min | 11,301 x 2 | 11,301 x 3 | 11,301 x 3 | 11,301 x 3 | |
| Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER | |
| 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 | (1,240 x 1,690 x 760) x 3 | |
| | 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 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | |
| Net Weight | kg | 281 x 2 | 221 x 3 | (261 x 1) + (221 x 2) | (281 x 1) + (221 x 2) | |
| | lbs | 619 x 2 | 487 x 3 | (575 x 1) + (487 x 2) | (619 x 1) + (487 x 2) | |
| Sound Pressure Level | Cooling | dB(A) | 65.0 | 64.8 | 64.9 | |
| | Heating | dB(A) | 67.5 | 65.8 | 65.9 | |
| Sound Power Level | Cooling | dB(A) | 89.0 | 86.8 | 87.1 | |
| | Heating | dB(A) | 90.0 | 88.8 | 89.1 | |
| 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 | 2C x 1.0 - 1.5 | |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | |
| | Precharged Amount | kg | 28.0 | 39.0 | 38.0 | |
| | lbs | 61.8 | 86.1 | 83.9 | 88.3 | |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Power Supply | ∅, V, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | |
| | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 | |
| Number of Maximum Connectable Indoor Units | | 64 | 64 | 64 | 64 | |

TROPICAL MODEL

HIGH EFFICIENCY

ARUN480LEH5 / ARUN500LEH5 / ARUN520LEH5 / ARUN540LEH5



| HP | | 48 | 50 | 52 | 54 | |
|--|---------------------------------|---|---|---|---|---------|
| Model Name | Combination Unit | ARUN480LEH5 | ARUN500LEH5 | ARUN520LEH5 | ARUN540LEH5 | |
| | Independent Unit | ARUN200LEH5 ARUN140LEH5 ARUN140LEH5 | ARUN200LEH5 ARUN160LEH5 ARUN140LEH5 | ARUN200LEH5 ARUN180LEH5 ARUN140LEH5 | ARUN200LEH5 ARUN200LEH5 ARUN140LEH5 | |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 3 | 3 | 3 | 3 |
| | | kW | 38.2 | 39.8 | 41.4 | 42.9 |
| | | Btu/h | 134.4 | 140.0 | 145.6 | 151.2 |
| | **Cooling - T3 46°C | RT | 458,600 | 477,700 | 496,800 | 515,900 |
| | | kW | 36.0 | 36.4 | 37.8 | 38.9 |
| | | Btu/h | 126.6 | 128.1 | 133.2 | 136.8 |
| | Heating | RT | 432,000 | 437,100 | 454,500 | 466,800 |
| | | kW | 42.8 | 44.6 | 46.5 | 48.3 |
| | | Btu/h | 150.8 | 156.9 | 163.6 | 169.9 |
| | Input (Rated) ¹⁾ | *Cooling - T1 35°C | 514,700 | 535,400 | 558,300 | 579,800 |
| | | **Cooling - T3 46°C | 30.70 | 31.47 | 32.32 | 34.10 |
| | | Heating | 39.33 | 40.35 | 41.46 | 43.32 |
| COP ¹⁾ | *Cooling - T1 35°C | 34.90 | 35.51 | 38.55 | 40.73 | |
| | **Cooling - T3 46°C | 4.38 | 4.45 | 4.50 | 4.43 | |
| | Heating | 3.22 | 3.18 | 3.21 | 3.16 | |
| Power Factor | Rated | 4.32 | 4.42 | 4.24 | 4.17 | |
| Casing | Color | - | 0.93 | 0.93 | 0.93 | |
| Heat Exchanger | Type | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | |
| | Material | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | |
| Compressor | Type | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | |
| | Piston Displacement | cm ³ /rev | 62.1 x 4 | (62.1 x 4) + (43.8 x 1) | 62.1 x 5 | |
| | Number of Revolution | rev/min | 3,600 x 4 | 3,600 x 5 | 3,600 x 5 | |
| | Motor Output x Number | W x No. | 5,300 x 4 | (5,300 x 4) + (4,200 x 1) | 5,300 x 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 | Propeller fan | |
| | Motor Output x Number | W | 900 x 6 | 900 x 6 | 900 x 6 | |
| | Air Flow Rate (High) | m ³ /min | 320 x 3 | 320 x 3 | 320 x 3 | |
| | ft ³ /min | 11,301 x 3 | 11,301 x 3 | 11,301 x 3 | | |
| Drive | | DC INVERTER | DC INVERTER | DC INVERTER | | |
| 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 | (1,240 x 1,690 x 760) x 3 | |
| | inch | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | |
| Net Weight | kg | (281 x 1) + (221 x 2) | (281 x 1) + (261 x 1) + (221 x 1) | (281 x 2) + (221 x 1) | (281 x 2) + (221 x 1) | |
| | lbs | (619 x 1) + (487 x 2) | (619 x 1) + (575 x 1) + (487 x 1) | (619 x 2) + (487 x 1) | (619 x 2) + (487 x 1) | |
| Sound Pressure Level | Cooling | dB(A) | 65.5 | 65.7 | 65.8 | |
| | Heating | dB(A) | 67.3 | 67.4 | 67.5 | |
| Sound Power Level | Cooling | dB(A) | 88.5 | 88.8 | 89.4 | |
| | Heating | dB(A) | 90.0 | 90.3 | 90.6 | |
| 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 | 2C x 1.0 - 1.5 | |
| Refrigerant | Refrigerant Name | | R410A | R410A | R410A | |
| | Precharged Amount | kg | 40.0 | 39.0 | 41.0 | |
| | lbs | 88.3 | 86.1 | 90.5 | 90.5 | |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Power Supply | ∅, V, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | |
| | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 | |
| Number of Maximum Connectable Indoor Units | | 64 | 64 | 64 | 64 | |

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN560LEH5 / ARUN580LEH5 / ARUN600LEH5



| HP | | | 56 | 58 | 60 |
|--|---------------------------------|----------------------|---|---|---|
| Model Name | Combination Unit | | ARUN560LEH5 | ARUN580LEH5 | ARUN600LEH5 |
| | Independent Unit | | ARUN200LEH5 ARUN200LEH5 ARUN160LEH5 | ARUN200LEH5 ARUN200LEH5 ARUN180LEH5 | ARUN200LEH5 ARUN200LEH5 ARUN200LEH5 |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 44.5 | 46.1 | 47.7 |
| | | kW | 156.8 | 162.4 | 168.0 |
| | | Btu/h | 535,000 | 554,100 | 573,200 |
| | **Cooling - T3 46°C | RT | 39.3 | 40.7 | 41.7 |
| | | kW | 138.3 | 143.4 | 147.0 |
| | | Btu/h | 471,900 | 489,300 | 501,600 |
| | Heating | RT | 50.0 | 51.9 | 53.7 |
| | | kW | 176.0 | 182.7 | 189.0 |
| | | Btu/h | 600,500 | 623,400 | 644,900 |
| Input (Rated) ¹⁾ | *Cooling - T1 35°C | kW | 34.87 | 35.72 | 37.50 |
| | **Cooling - T3 46°C | kW | 44.34 | 45.45 | 47.31 |
| | Heating | kW | 41.34 | 44.38 | 46.56 |
| COP ¹⁾ | *Cooling - T1 35°C | kW/kW | 4.50 | 4.55 | 4.48 |
| | **Cooling - T3 46°C | kW/kW | 3.12 | 3.16 | 3.11 |
| | Heating | kW/kW | 4.26 | 4.12 | 4.06 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | (62.1 x 5) + (43.8 x 1) | 62.1 x 6 | 62.1 x 6 |
| | Number of Revolution | rev/min | 3,600 x 6 | 3,600 x 6 | 3,600 x 6 |
| | Motor Output x Number | W x No. | (5,300 x 5) + (4,200 x 1) | 5,300 x 6 | 5,300 x 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 | 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 | |
| Pipe Connctions | Discharge | Side / Top | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| Dimensions (W x H x D) | Gas Pipe | mm(inch) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| | | 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 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 |
| Net Weight | | kg | (281 x 2) + (261 x 1) | 281 x 3 | 281 x 3 |
| | | lbs | (619 x 2) + (575 x 1) | 619 x 3 | 619 x 3 |
| Sound Pressure Level | Cooling | dB(A) | 66.3 | 66.5 | 66.8 |
| | Heating | dB(A) | 68.5 | 68.6 | 69.3 |
| Sound Power Level | Cooling | dB(A) | 90.0 | 90.5 | 90.8 |
| | Heating | dB(A) | 91.2 | 91.5 | 91.8 |
| 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 | 40.0 | 42.0 | 42.0 |
| | | lbs | 88.3 | 92.7 | 92.7 |
| Control | | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 400, 3, 60 | 400, 3, 60 | 400, 3, 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)
**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 20°C(68°F) DB / 15°C(59°F) WB
Outdoor 7°C(44.6°F) DB / 6°C(42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- 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.

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 / ARUN140LTH5



| HP | | | 8 | 10 | 12 | 14 |
|--|------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|--------------------------------------|
| Model Name | Combination Unit | | ARUN080LTH5 | ARUN100LTH5 | ARUN120LTH5 | ARUN140LTH5 |
| | Independent Unit | | ARUN080LTH5 | ARUN100LTH5 | ARUN120LTH5 | ARUN140LTH5 |
| Capacity | *Cooling (Rated) | RT | 6.4 | 8.0 | 9.5 | 11.1 |
| | | kW | 22.4 | 28.0 | 33.6 | 39.2 |
| | | Btu/h | 76,400 | 95,500 | 114,600 | 133,800 |
| | **Cooling (Rated) | RT | 5.6 | 7.1 | 8.9 | 10.5 |
| | | kW | 19.8 | 25.0 | 31.2 | 36.8 |
| | | Btu/h | 67,600 | 85,300 | 106,500 | 125,600 |
| | Heating (Rated) | RT | 7.2 | 8.6 | 10.7 | 12.5 |
| | | kW | 25.2 | 30.3 | 37.8 | 43.9 |
| | | Btu/h | 86,000 | 103,400 | 129,000 | 149,900 |
| Input | *Cooling (Rated) | kW | 5.00 | 7.00 | 8.00 | 9.30 |
| | **Cooling (Rated) | kW | 6.37 | 8.33 | 9.54 | 11.20 |
| | Heating (Rated) | kW | 5.80 | 7.30 | 8.06 | 9.69 |
| COP | *Cooling (Rated) | kW | 4.48 | 4.00 | 4.20 | 4.22 |
| | **Cooling (Rated) | kW | 3.11 | 3.00 | 3.27 | 3.29 |
| | Heating (Rated) | kW | 4.34 | 4.15 | 4.69 | 4.53 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 | 62.1 | 62.1 | 62.1 |
| | Number of Revolution | rev/min | 3,600 | 3,600 | 3,600 | 3,600 |
| | Motor Output x Number | W x No. | 5,300 x 1 | 5,300 x 1 | 5,300 x 1 | 5,300 x 1 |
| | Starting Method | | 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 | 1,200 x 1 | 1,200 x 1 | 1,200 x 1 | 900 x 2 |
| | Air Flow Rate(High) | m ³ /min ft ³ /min | 240 x 1 8,476 x 1 | 240 x 1 8,476 x 1 | 240 x 1 8,476 x 1 | 320 x 1 11,301 x 1 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connctions | 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 x 1,690 x 760) x 1 | (930 x 1,690 x 760) x 1 | (930 x 1,690 x 760) x 1 | (1,240 x 1,690 x 760)x1 |
| | 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 | (48-13/16 x 66-17/32 x 29-29/32) x 1 |
| Net Weight | kg | | 173 x 1 | 171 x 1 | 200 x 1 | 221 x 1 |
| | lbs | | 381 x 1 | 377 x 1 | 441 x 1 | 487 x 1 |
| Sound Pressure Level | Cooling | dB(A) | 58.0 | 58.5 | 59.0 | 60.0 |
| | Heating | dB(A) | 60.0 | 60.5 | 60.0 | 61.0 |
| Sound Power Level | Cooling | dB(A) | 78.0 | 79.0 | 79.0 | 82.0 |
| | Heating | dB(A) | 80.0 | 80.0 | 80.0 | 84.0 |
| 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 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg lbs | 4.7 10.4 | 4.7 10.4 | 10.0 22.0 | 13.0 28.7 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maximum Connectable Indoor Units | | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 |
| | | | 13 | 16 | 20 | 23 |

TROPICAL MODEL

STANDARD

ARUN160LTH5 / ARUN180LTH5 / ARUN200LTH5 / ARUN220LTH5



| HP | | | 16 | 18 | 20 | 22 |
|--|------------------------------------|---|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Model Name | Combination Unit | | ARUN160LTH5 | ARUN180LTH5 | ARUN200LTH5 | ARUN220LTH5 |
| | Independent Unit | | ARUN160LTH5 | ARUN180LTH5 | ARUN200LTH5 | ARUN220LTH5 |
| Capacity | *Cooling (Rated) | RT | 12.7 | 14.3 | 15.9 | 17.5 |
| | | kW | 44.8 | 50.4 | 56.0 | 61.6 |
| | | Btu/h | 152,900 | 172,000 | 191,100 | 210,200 |
| | **Cooling (Rated) | RT | 11.4 | 12.4 | 13.6 | 14.1 |
| | | kW | 40.3 | 43.6 | 48.0 | 49.6 |
| | | Btu/h | 137,500 | 148,800 | 163,800 | 169,100 |
| | Heating (Rated) | RT | 14.2 | 16.1 | 17.9 | 19.7 |
| | | kW | 50.0 | 56.7 | 63.0 | 69.3 |
| | | Btu/h | 170,600 | 193,500 | 215,000 | 236,500 |
| Input | *Cooling (Rated) | kW | 10.80 | 11.20 | 13.00 | 14.84 |
| | **Cooling (Rated) | kW | 13.15 | 14.39 | 15.77 | 16.72 |
| | Heating (Rated) | kW | 11.36 | 11.98 | 15.52 | 17.54 |
| COP | *Cooling (Rated) | kW | 4.15 | 4.50 | 4.31 | 4.15 |
| | **Cooling (Rated) | kW | 3.06 | 3.03 | 3.04 | 2.96 |
| | Heating (Rated) | kW | 4.40 | 4.73 | 4.06 | 3.95 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 | 62.1 x 1 + 43.8 x 1 | 62.1 x 2 | 62.1 x 2 |
| | Number of Revolution | rev/min | 3,600 | 3,600 x 2 | 3,600 x 2 | 3,600 x 2 |
| | Motor Output x Number | W x No. | 5,300 x 1 | 5,300 x 1 + 4,200 x 1 | 5,300 x 2 | 5,300 x 2 |
| | 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 | 900 x 2 | 900 x 2 | 900 x 2 | 900 x 2 |
| | Air Flow Rate(High) | m ³ /min ft ³ /min | 320 x 1 11,301 x 1 | 320 x 1 11,301 x 1 | 320 x 1 11,301 x 1 | 320 x 1 11,301 x 1 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connctions | 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 x 1,690 x 760)x1 | (1,240 x 1,690 x 760)x1 | (1,240 x 1,690 x 760)x1 | (1,240 x 1,690 x 760)x1 |
| | 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 | (48-13/16 x 66-17/32 x 29-29/32) x 1 |
| Net Weight | kg | | 221 x 1 | 261 x 1 | 281 x 1 | 281 x 1 |
| | lbs | | 487 x 1 | 575 x 1 | 619 x 1 | 619 x 1 |
| Sound Pressure Level | Cooling | dB(A) | 60.5 | 61.0 | 62.0 | 64.5 |
| | Heating | dB(A) | 61.5 | 62.0 | 64.5 | 65.5 |
| Sound Power Level | Cooling | dB(A) | 83.0 | 85.0 | 86.0 | 86.0 |
| | Heating | dB(A) | 85.0 | 86.0 | 87.0 | 88.0 |
| Communication Cable | No. x mm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg lbs | 13.0 28.7 | 13.0 28.7 | 30.9 68.1 | 30.9 68.1 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maximum Connectable Indoor Units | | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 |
| | | | 26 | 29 | 32 | 35 |

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN240LTH5 / ARUN260LTH5 / ARUN280LTH5 / ARUN300LTH5



| HP | | | 24 | 26 | 28 | 30 |
|------------------------|--|---|------------------------------------|---|---|--------------------------------------|
| Model Name | Combination Unit | | ARUN240LTH5 | ARUN260LTH5 | ARUN280LTH5 | ARUN300LTH5 |
| | Independent Unit | | ARUN120LTH5 ARUN120LTH5 | ARUN140LTH5 ARUN120LTH5 | ARUN160LTH5 ARUN120LTH5 | ARUN160LTH5 ARUN140LTH5 |
| Capacity | *Cooling (Rated) | RT | 19.1 | 20.7 | 22.3 | 23.9 |
| | | kW | 67.2 | 72.8 | 78.4 | 84.0 |
| | | Btu/h | 229,300 | 248,400 | 267,500 | 286,600 |
| | **Cooling (Rated) | RT | 17.7 | 19.3 | 20.3 | 21.9 |
| | | kW | 62.4 | 68.0 | 71.5 | 77.1 |
| | | Btu/h | 212,900 | 232,000 | 244,000 | 263,100 |
| Heating (Rated) | RT | 21.5 | 23.2 | 24.9 | 26.7 | |
| | kW | 75.6 | 81.7 | 87.8 | 93.9 | |
| | Btu/h | 257,900 | 278,800 | 299,600 | 320,500 | |
| Input | *Cooling (Rated) | kW | 16.00 | 17.30 | 18.80 | 20.10 |
| | **Cooling (Rated) | kW | 19.08 | 20.74 | 22.69 | 24.35 |
| | Heating (Rated) | kW | 16.12 | 17.75 | 19.42 | 21.05 |
| COP | *Cooling (Rated) | kW | 4.20 | 4.21 | 4.17 | 4.18 |
| | **Cooling (Rated) | kW | 3.27 | 3.28 | 3.15 | 3.17 |
| | Heating (Rated) | kW | 4.69 | 4.60 | 4.52 | 4.46 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 x 2 | 62.1 x 2 | 62.1 x 2 | 62.1 x 2 |
| | Number of Revolution | rev/min | 3,600 x 2 | 3,600 x 2 | 3,600 x 2 | 3,600 x 2 |
| | Motor Output x Number | W x No. | 5,300 x 2 | 5,300 x 2 | 5,300 x 2 | 5,300 x 2 |
| | 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 | 1,200 x 2 | (900 x 2) + (1,200 x 1) | (900 x 2) + (1,200 x 1) | 900 x 4 |
| | Air Flow Rate(High) | m ³ /min ft ³ /min | 240 x 2 8,476 x 2 | (320 x 1) + (240 x 1) (11,301 x 1) + (8,476 x 1) | (320 x 1) + (240 x 1) (11,301 x 1) + (8,476 x 1) | 320 x 2 11,301 x 2 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connections | Liquid Pipe | mm(inch) | 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 | | (930 x 1,690 x 760) x 2 | (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 2 |
| | inch | | (36-5/8 x 66-17/32 x 29-29/32) x 2 | (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 2 |
| Net Weight | kg | | 200 x 2 | (221 x 1) + (200 x 1) | (221 x 1) + (200 x 1) | 221 x 2 |
| | lbs | | 441 x 2 | (487 x 1) + (441 x 1) | (487 x 1) + (441 x 1) | 487 x 2 |
| Sound Pressure Level | Cooling | dB(A) | 62.0 | 62.5 | 62.8 | 63.3 |
| | Heating | dB(A) | 63.0 | 63.5 | 63.8 | 64.3 |
| Sound Power Level | Cooling | dB(A) | 82.0 | 83.8 | 84.5 | 85.5 |
| | Heating | dB(A) | 83.0 | 85.5 | 86.2 | 87.5 |
| 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 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 10.0 + 10.0 | 13.0 + 10.0 | 13.0 + 10.0 | 13.0 + 13.0 |
| | | lbs | 22.0 + 22.0 | 28.7 + 22.0 | 28.7 + 22.0 | 28.7 + 28.7 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 |
| | Number of Maximum Connectable Indoor Units | | 39 | 42 | 45 | 49 |

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 | *Cooling (Rated) | RT | 25.4 | 27.0 | 28.6 |
| | | kW | 89.6 | 95.2 | 100.8 |
| | | Btu/h | 305,700 | 324,800 | 343,900 |
| | **Cooling (Rated) | RT | 22.9 | 23.8 | 25.1 |
| | | kW | 80.6 | 83.9 | 88.3 |
| | | Btu/h | 275,000 | 286,300 | 301,300 |
| Heating (Rated) | RT | 28.4 | 30.3 | 32.1 | |
| | kW | 100.0 | 106.7 | 113.0 | |
| | Btu/h | 341,200 | 364,100 | 385,600 | |
| Input | *Cooling (Rated) | kW | 21.60 | 22.00 | 23.80 |
| | **Cooling (Rated) | kW | 26.30 | 27.54 | 28.92 |
| | Heating (Rated) | kW | 22.72 | 23.34 | 26.88 |
| COP | *Cooling (Rated) | kW | 4.15 | 4.33 | 4.24 |
| | **Cooling (Rated) | kW | 3.06 | 3.05 | 3.05 |
| | Heating (Rated) | kW | 4.40 | 4.57 | 4.20 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 x 2 | (62.1 x 2) + (43.8 x 1) | 62.1 x 3 |
| | Number of Revolution | rev/min | 3,600 x 2 | 3,600 x 3 | 3,600 x 3 |
| | Motor Output x Number | W x No. | 5,300 x 2 | (5,300 x 2) + (4,200 x 1) | 5,300 x 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 | 900 x 4 | 900 x 4 | 900 x 4 |
| | Air Flow Rate(High) | m ³ /min ft ³ /min | 320 x 2 11,301 x 2 | 320 x 2 11,301 x 2 | 320 x 2 11,301 x 2 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 |
| | 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 | | (48-13/16 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 x 66-17/32 x 29-29/32) x 2 |
| Net Weight | kg | | 221 x 2 | (261 x 1) + (221 x 1) | (281 x 1) + (221 x 1) |
| | lbs | | 487 x 2 | (575 x 1) + (487 x 1) | (619 x 1) + (487 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 63.5 | 63.8 | 64.3 |
| | Heating | dB(A) | 64.5 | 64.8 | 66.3 |
| Sound Power Level | Cooling | dB(A) | 86.0 | 87.1 | 87.8 |
| | Heating | dB(A) | 88.0 | 88.5 | 89.1 |
| 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 | 13.0 + 13.0 | 13.0 + 13.0 | 14.0 + 13.0 |
| | | lbs | 28.7 + 28.7 | 28.7 + 28.7 | 30.9 + 28.7 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 |
| | Number of Maximum Connectable Indoor Units | | 52 | 55 | 58 |

MULTI V 5

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 | *Cooling (Rated) | RT | 30.2 | 31.8 | 33.4 |
| | | kW | 106.4 | 112.0 | 117.6 |
| | | Btu/h | 363,000 | 382,100 | 401,300 |
| | **Cooling (Rated) | RT | 25.5 | 27.3 | 27.7 |
| | | kW | 89.9 | 96.0 | 97.6 |
| | | Btu/h | 306,600 | 327,600 | 332,900 |
| Heating (Rated) | RT | 33.9 | 35.8 | 37.6 | |
| | kW | 119.3 | 126.0 | 132.3 | |
| | Btu/h | 407,100 | 429,900 | 451,400 | |
| Input | *Cooling (Rated) | kW | 25.64 | 26.00 | 27.84 |
| | **Cooling (Rated) | kW | 29.87 | 31.54 | 32.49 |
| | Heating (Rated) | kW | 28.90 | 31.04 | 33.06 |
| COP | *Cooling (Rated) | kW | 4.15 | 4.31 | 4.22 |
| | **Cooling (Rated) | kW | 3.01 | 3.04 | 3.00 |
| | Heating (Rated) | kW | 4.13 | 4.06 | 4.00 |
| Power Factor | Rated | - | 0.93 | 0.93 | |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 x 3 | 62.1 x 4 | 62.1 x 4 |
| | Number of Revolution | rev/min | 3,600 x 3 | 3,600 x 4 | 3,600 x 4 |
| | Motor Output x Number | W x No. | 5,300 x 3 | 5,300 x 4 | 5,300 x 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 | 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 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER |
| 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 x1,690 x 760) x 2 | (1,240 x1,690 x 760) x 2 | (1,240 x1,690 x 760) x 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 x 66-17/32 x 29-29/32) x 2 |
| Net Weight | kg | | (281 x 1) + (221 x 1) | 281 x 2 | 281 x 2 |
| | lbs | | (619 x 1) + (487 x 1) | 619 x 2 | 619 x 2 |
| Sound Pressure Level | Cooling | dB(A) | 66.0 | 65.0 | 66.4 |
| | Heating | dB(A) | 67.0 | 67.5 | 68.0 |
| Sound Power Level | Cooling | dB(A) | 87.8 | 89.0 | 89.0 |
| | Heating | dB(A) | 89.8 | 90.0 | 90.5 |
| Communication Cable | No. xmm 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 | 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 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maximum Connectable Indoor Units | | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 |

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 | *Cooling (Rated) | RT | 35.0 | 36.6 | 38.2 |
| | | kW | 123.2 | 128.8 | 134.4 |
| | | Btu/h | 420,400 | 439,500 | 458,600 |
| | **Cooling (Rated) | RT | 28.2 | 33.3 | 34.3 |
| | | kW | 99.2 | 117.4 | 120.9 |
| | | Btu/h | 338,200 | 400,600 | 412,500 |
| Heating (Rated) | RT | 39.4 | 40.9 | 42.6 | |
| | kW | 138.6 | 143.9 | 150.0 | |
| | Btu/h | 472,900 | 491,000 | 511,800 | |
| Input | *Cooling (Rated) | kW | 29.68 | 30.90 | 32.40 |
| | **Cooling (Rated) | kW | 33.44 | 37.50 | 39.45 |
| | Heating (Rated) | kW | 35.08 | 32.41 | 34.08 |
| COP | *Cooling (Rated) | kW | 4.15 | 4.17 | 4.15 |
| | **Cooling (Rated) | kW | 2.97 | 3.13 | 3.06 |
| | Heating (Rated) | kW | 3.95 | 4.44 | 4.40 |
| Power Factor | Rated | - | 0.93 | 0.93 | |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 x 4 | 62.1 x 3 | 62.1 x 3 |
| | Number of Revolution | rev/min | 3,600 x 4 | 3,600 x 3 | 3,600 x 3 |
| | Motor Output x Number | W x No. | 5,300 x 4 | 5,300 x 3 | 5,300 x 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 | 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 | 1,1301 x 2 | 11,301 x 3 | 11,301 x 3 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER |
| 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 x1,690 x 760) x 2 | (1,240 x1,690 x 760) x 3 | (1,240 x1,690 x 760) x 3 |
| | 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 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 |
| Net Weight | kg | | 281 x 2 | 221 x 3 | 221 x 3 |
| | lbs | | 619 x 2 | 487 x 3 | 487 x 3 |
| Sound Pressure Level | Cooling | dB(A) | 67.5 | 65.1 | 65.3 |
| | Heating | dB(A) | 68.5 | 66.1 | 66.3 |
| Sound Power Level | Cooling | dB(A) | 89.0 | 87.5 | 87.8 |
| | Heating | dB(A) | 91.0 | 89.5 | 89.8 |
| Communication Cable | No. xmm 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 | 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 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maximum Connectable Indoor Units | | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 |

MULTI V 5

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 | *Cooling (Rated) | RT | 39.8 | 41.4 | 42.9 |
| | | kW | 140.0 | 145.6 | 151.2 |
| | | Btu/h | 477,700 | 496,800 | 515,900 |
| | **Cooling (Rated) | RT | 35.3 | 36.5 | 37.0 |
| | | kW | 124.2 | 128.6 | 130.2 |
| | | Btu/h | 423,800 | 438,800 | 444,200 |
| | Heating (Rated) | RT | 44.5 | 46.3 | 48.1 |
| | | kW | 156.7 | 163.0 | 169.3 |
| | Btu/h | 534,700 | 556,200 | 577,700 | |
| Input | *Cooling (Rated) | kW | 32.80 | 34.60 | 36.44 |
| | **Cooling (Rated) | kW | 40.69 | 42.07 | 43.02 |
| | Heating (Rated) | kW | 34.70 | 38.24 | 40.26 |
| COP | *Cooling (Rated) | kW | 4.27 | 4.21 | 4.15 |
| | **Cooling (Rated) | kW | 3.05 | 3.06 | 3.03 |
| | Heating (Rated) | kW | 4.52 | 4.26 | 4.21 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | (62.1 x 3) + (43.8 x 1) | 62.1 x 4 | 62.1 x 4 |
| | Number of Revolution | rev/min | 3,600 x 4 | 3,600 x 4 | 3,600 x 4 |
| | Motor Output x Number | W x No. | (5,300 x 3) + (4,200 x 1) | 5,300 x 4 | 5,300 x 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 | 900 x 6 | 900 x 6 | 900 x 6 |
| | Air Flow Rate(High) | m ³ /min ft ³ /min | 320 x 3 11,301 x 3 | 320 x 3 11,301 x 3 | 320 x 3 11,301 x 3 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | 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 3 | (1,240 x1,690 x 760) x 3 | (1,240 x1,690 x 760) x 3 |
| | | inch | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 |
| Net Weight | | kg | (261 x 1) + (221 x 2) | (281 x 1) + (221 x 2) | (281 x 1) + (221 x 2) |
| | | lbs | (575 x 1) + (487 x 2) | (619 x 1) + (487 x 2) | (619 x 1) + (487 x 2) |
| Sound Pressure Level | Cooling | dB(A) | 65.4 | 65.8 | 67.0 |
| | Heating | dB(A) | 66.4 | 67.5 | 68.0 |
| Sound Power Level | Cooling | dB(A) | 88.5 | 89.0 | 89.0 |
| | Heating | dB(A) | 90.1 | 90.5 | 91.0 |
| Communication Cable | No.xmm 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 lbs | 13.0 + 13.0 + 13.0 28.7 + 28.7 + 28.7 | 14.0 + 13.0 + 13.0 30.9 + 28.7 + 28.7 | 14.0 + 13.0 + 13.0 30.9 + 28.7 + 28.7 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 64 | 64 | 64 |

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 | *Cooling (Rated) | RT | 44.5 | 46.1 | 47.7 |
| | | kW | 156.8 | 162.4 | 168.0 |
| | | Btu/h | 535,000 | 554,100 | 573,200 |
| | **Cooling (Rated) | RT | 38.7 | 39.2 | 39.6 |
| | | kW | 136.3 | 137.9 | 139.5 |
| | | Btu/h | 465,100 | 470,500 | 476,000 |
| | Heating (Rated) | RT | 50.0 | 51.8 | 53.6 |
| | | kW | 176.0 | 182.3 | 188.6 |
| | Btu/h | 600,500 | 622,000 | 643,500 | |
| Input | *Cooling (Rated) | kW | 36.80 | 38.64 | 40.48 |
| | **Cooling (Rated) | kW | 44.69 | 45.64 | 46.59 |
| | Heating (Rated) | kW | 42.40 | 44.42 | 46.44 |
| COP | *Cooling (Rated) | kW | 4.26 | 4.20 | 4.15 |
| | **Cooling (Rated) | kW | 3.05 | 3.02 | 2.99 |
| | Heating (Rated) | kW | 4.15 | 4.10 | 4.06 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 |
| Casing | 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 |
| | Piston Displacement | cm ³ /rev | 62.1 x 5 | 62.1 x 5 | 62.1 x 5 |
| | Number of Revolution | rev/min | 3,600 x 5 | 3,600 x 5 | 3,600 x 5 |
| | Motor Output x Number | W x No. | 5,300 x 5 | 5,300 x 5 | 5,300 x 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 | 900 x 6 | 900 x 6 | 900 x 6 |
| | Air Flow Rate(High) | m ³ /min ft ³ /min | 320 x 3 11,301 x 3 | 320 x 3 11,301 x 3 | 320 x 3 11,301 x 3 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | 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 3 | (1,240 x1,690 x 760) x 3 | (1,240 x1,690 x 760) x 3 |
| | | inch | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 |
| Net Weight | | kg | (281 x 2) + (221 x 1) | (281 x 2) + (221 x 1) | (281 x 2) + (221 x 1) |
| | | lbs | (619 x 2) + (487 x 1) | (619 x 2) + (487 x 1) | (619 x 2) + (487 x 1) |
| Sound Pressure Level | Cooling | dB(A) | 66.3 | 67.4 | 68.3 |
| | Heating | dB(A) | 68.5 | 68.9 | 69.3 |
| Sound Power Level | Cooling | dB(A) | 90.0 | 90.0 | 90.0 |
| | Heating | dB(A) | 91.2 | 91.6 | 92.0 |
| Communication Cable | No.xmm 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 lbs | 14.0 + 14.0 + 13.0 30.9 + 30.9 + 28.7 | 14.0 + 14.0 + 13.0 30.9 + 30.9 + 28.7 | 14.0 + 14.0 + 13.0 30.9 + 30.9 + 28.7 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | ∅, V, Hz | | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 | 380-415, 3, 50 400, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 64 | 64 | 64 |

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN620LTH5 / ARUN640LTH5 / ARUN660LTH5



| HP | | | 62 | 64 | 66 |
|--|------------------------------------|----------------------------|---|---|---|
| Model Name | Combination Unit | | ARUN620LTH5 | ARUN640LTH5 | ARUN660LTH5 |
| | Independent Unit | | ARUN220LTH5 ARUN200LTH5 ARUN200LTH5 | ARUN220LTH5 ARUN200LTH5 ARUN200LTH5 | ARUN220LTH5 ARUN200LTH5 ARUN200LTH5 |
| Capacity | *Cooling (Rated) | RT | 49.3 | 50.9 | 52.5 |
| | | kW | 173.6 | 179.2 | 184.8 |
| | | Btu/h | 592,300 | 611,400 | 630,500 |
| | **Cooling (Rated) | RT | 41.4 | 41.8 | 42.3 |
| | | kW | 145.6 | 147.2 | 148.8 |
| | | Btu/h | 496,800 | 502,200 | 507,700 |
| | Heating (Rated) | RT | 55.5 | 57.3 | 59.0 |
| | | kW | 195.3 | 201.6 | 207.9 |
| | | Btu/h | 666,400 | 687,900 | 709,400 |
| | Input | *Cooling (Rated) kW | 40.84 | 42.68 | 44.52 |
| **Cooling (Rated) kW | | 48.26 | 49.21 | 50.16 | |
| Heating (Rated) kW | | 48.58 | 50.60 | 52.62 | |
| COP | *Cooling (Rated) kW | 4.25 | 4.20 | 4.15 | |
| | **Cooling (Rated) kW | 3.02 | 2.99 | 2.97 | |
| | Heating (Rated) kW | 4.02 | 3.98 | 3.95 | |
| Power Factor | Rated | - | 0.93 | 0.93 | |
| Casing | Color | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| Compressor | Piston Displacement | cm ³ /rev | 62.1 x 6 | 62.1 x 6 | 62.1 x 6 |
| | Number of Revolution | rev/min | 3,600 x 6 | 3,600 x 6 | 3,600 x 6 |
| | Motor Output x Number | W x No. | 5,300 x 6 | 5,300 x 6 | 5,300 x 6 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Type | | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output x Number | W | 900 x 6 | 900 x 6 | 900 x 6 |
| | Air Flow Rate(High) | m ³ /min | 320 x 3 | 320 x 3 | 320 x 3 |
| | | ft ³ /min | 11,301 x 3 | 11,301 x 3 | 11,301 x 3 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER |
| Discharge | Side / Top | TOP | TOP | TOP | |
| Pipe Connctions | 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 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 | | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 | (48-13/16 x 66-17/32 x 29-29/32) x 3 |
| Net Weight | kg | | 281 x 3 | 281 x 3 | 281 x 3 |
| | lbs | | 619 x 3 | 619 x 3 | 619 x 3 |
| Sound Pressure Level | Cooling | dB(A) | 67.8 | 68.6 | 69.3 |
| | Heating | dB(A) | 69.6 | 70.0 | 70.3 |
| Sound Power Level | Cooling | dB(A) | 90.8 | 90.8 | 90.8 |
| | Heating | dB(A) | 92.1 | 92.5 | 92.8 |
| Communication Cable | No.xmm 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 | 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 |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Power Supply | Ø, V, Hz | | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | | 400, 3, 60 | 400, 3, 60 | 400, 3, 60 |
| Number of Maximum Connectable Indoor Units | | | 64 | 64 | 64 |

NOTES

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)
**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 20°C(68°F) DB / 15°C(59°F) WB
Outdoor 7°C(44.6°F) DB / 6°C(42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- 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.

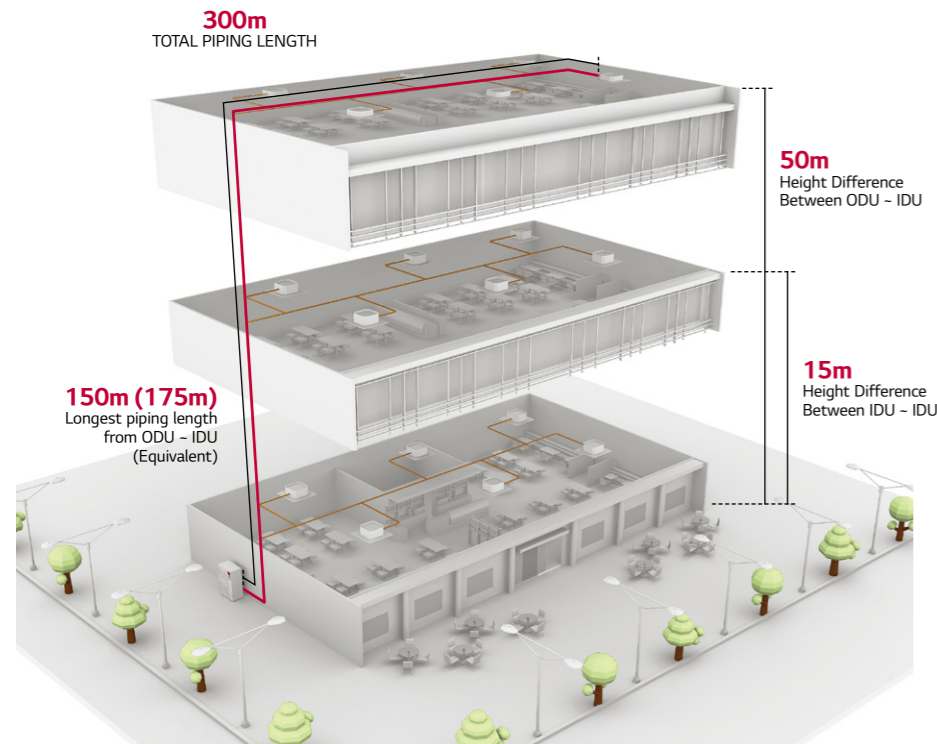
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation.

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

Piping Length

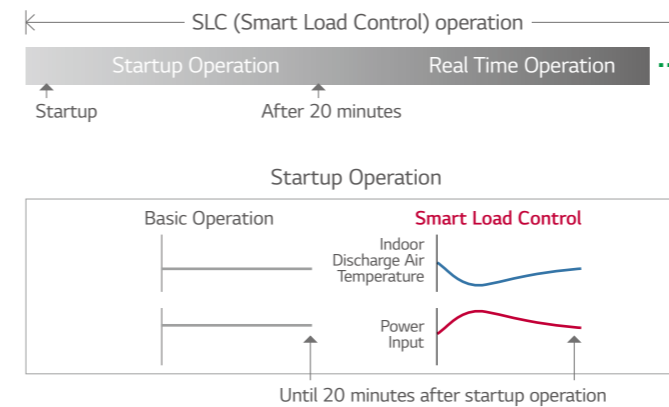


| | |
|--|-------------|
| Total Piping Length | 300m |
| Longest piping length (Equivalent) | 150m (175m) |
| Longest piping length after 1 st branch (Conditional application) | 40m (90m) |
| Height difference between ODU - IDU | 50m |
| Height difference between IDU - IDU | 15m |

Smart Load Control Applied

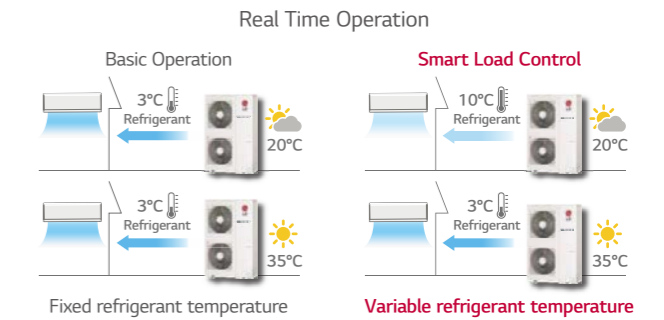
Increase comfortable sensation and Max. 23% energy saving thanks to MULTI V load control

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

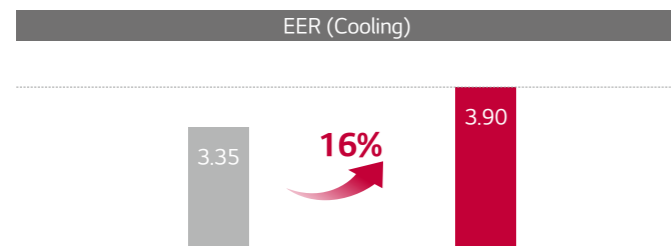
How to set up: By dip switch in outdoor unit (Referred to Product Data Book) Factory default setting is Off.

* ESEER (European seasonal energy efficiency Ratio) conditions based on 15.5kw unit
 - Outdoor temperature condition : EER 100% / 75% / 50% / 25% = 35°C(DB) / 30°C(DB) / 25°C(DB) / 20°C(DB)
 - Indoor temperature condition : 27°C(DB) / 19°C(WB)
 * Dual sensing (Temperature & humidity) smart load control is possible with Remote controller PTEMTB100 (White) / PREMTBB10 (Black)

EER/COP/Part load

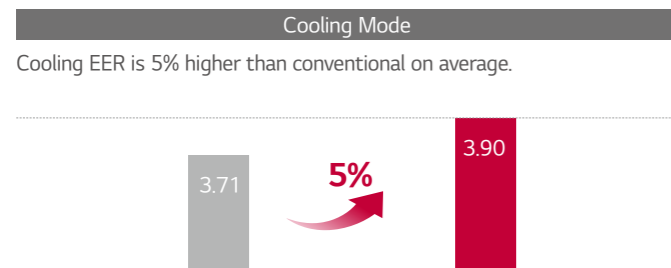
Saving Energy Cost with High Efficient Product

Heat Pump

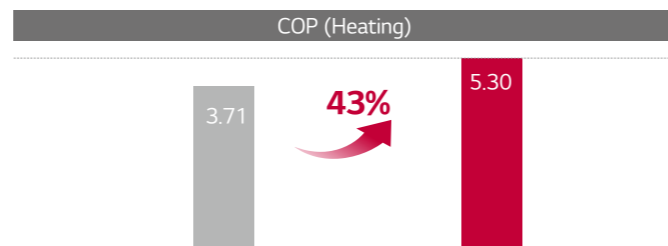


* Comparison Based on 15.5kW in cooling mode

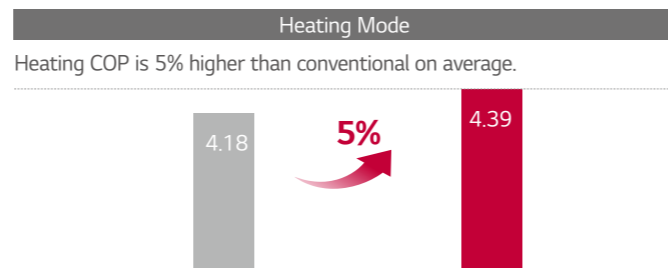
Heat Recovery



* Comparison Based on 15.5kW in cooling mode



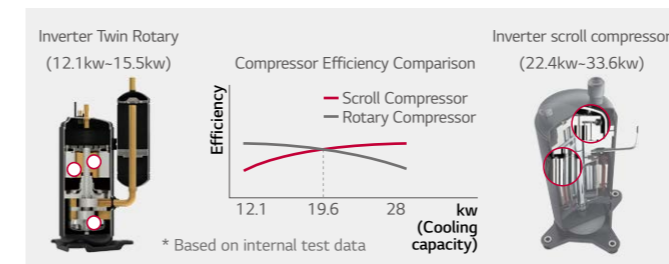
* Comparison Based on 15.5kW in heating mode



* Comparison Based on 15.5kW in heating mode

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 efficiently 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

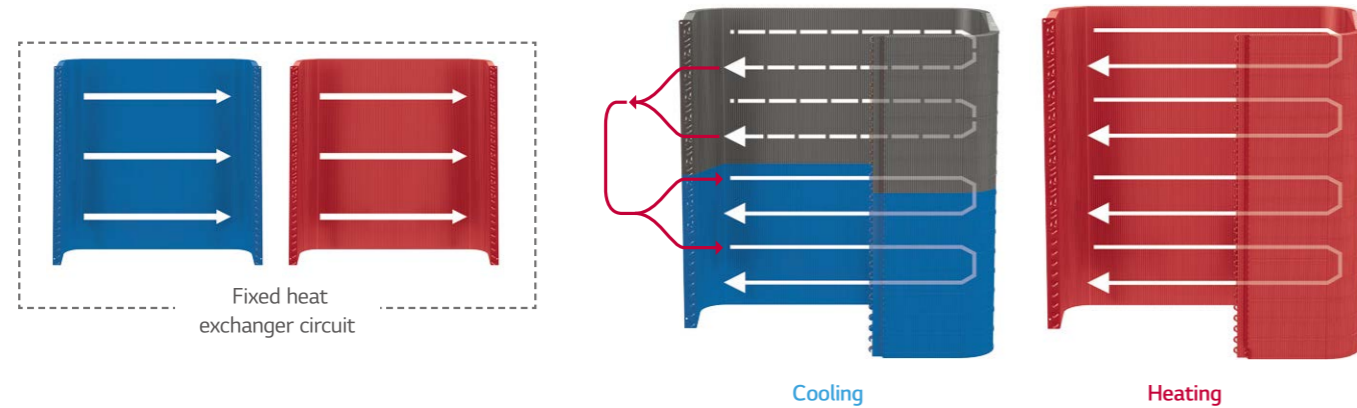
- The enhanced reliability by increasing the thickness of scroll central part within largest pressure
 - Efficiency increases by expanding 96% bypass area and 17% improved volume ratio by non uniform scroll thickness

MULTI V S

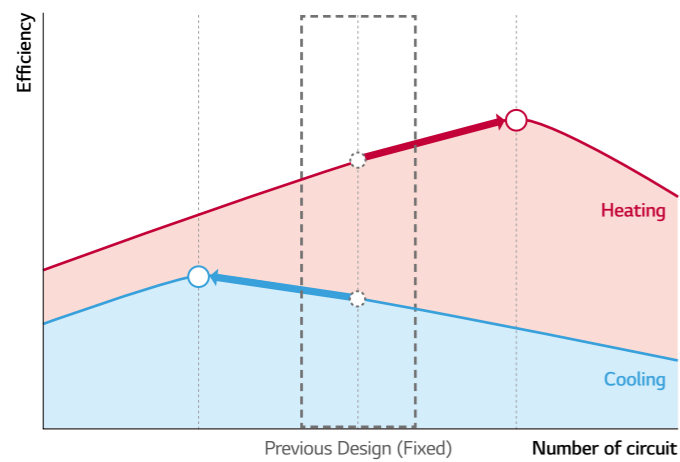
Optimal Heat Exchanger

Maximize Efficiency according to different Heat Exchanger path by cooling and heating (LG's own technology)

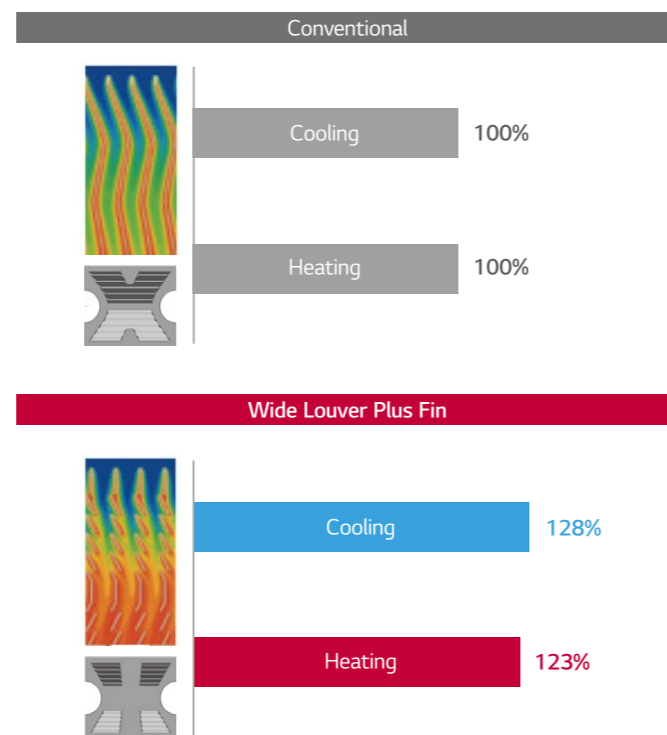
Variable Heat Exchanger Circuit intelligently selects the optimal path for both heating and cooling operations. With this smart path selection technology, an average of 6% increase in the efficiency of both operations has been achieved. The paths number and circuit velocity are adjusted to match temperatures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



Efficiency performance



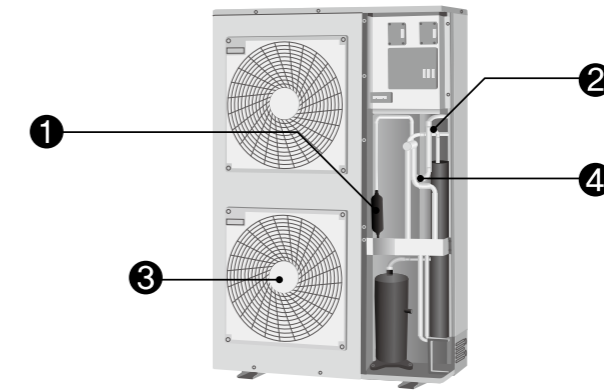
Efficiency up due to Fin shape



High Reliability of Refrigerant Components

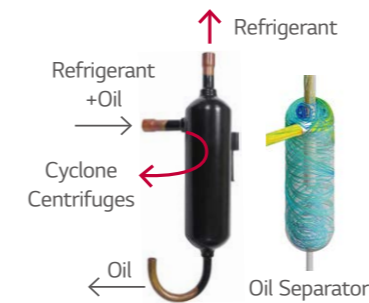
Superior Performance and Strong Durable Components are developed by LG's technologies

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



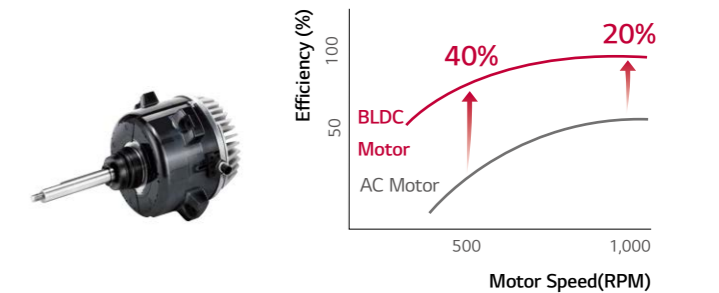
1 Cyclonic Oil Separator

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



3 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



2 Large Volume Accumulator

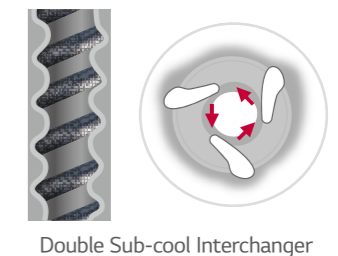
- Improved reliability by adopting the large volume accumulator (38% volume up compared to conventional)
- Prevents the liquid refrigerant entering the compressor suction
- Maximize efficiency by optimal amount of refrigerant
- Protect compressor break down and Increase life time



4 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



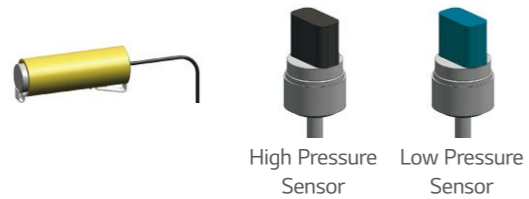
MULTI V S

Smart Control

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

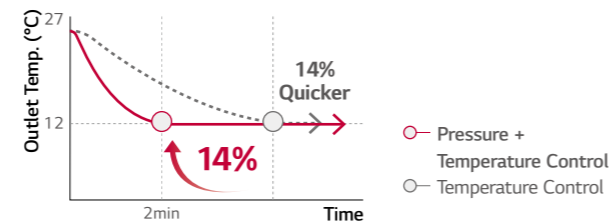
Temperature + Pressure Control

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



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

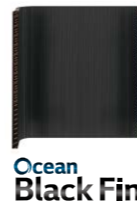


* Specifications may vary for each model.

Heat Exchanger with Ocean Black Fin for Corrosion Resistance

Strong Durability against high salinity and heavily polluted air

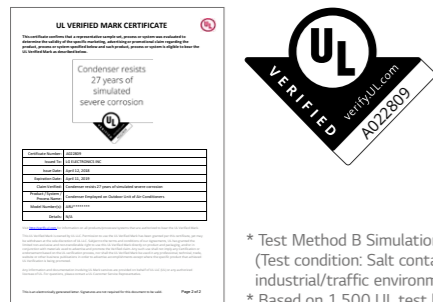
LG's exclusive Ocean Black Fin is applied on the heat exchanger of MULTI V S in order to perform even in corrosive environments. The strong protection from various corrosive external environments such as seaside with high salt contamination and industrial cities with severe air pollution caused by fumes 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.



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, UL (Underwriters Laboratories).

Certified protection



| Condition of salt spray test | |
|-------------------------------------|------|
| Temperature | 35°C |
| Mist of 5% sodium chloride solution | |

| Condition of gas exposure test | | |
|--------------------------------|-----------------------|----------------------|
| R.H. | NO ₂ | SO _{2v} |
| 95% | 10 x 10 ⁻⁵ | 5 x 10 ⁻⁶ |

* Test Method B Simulation Validated (Test condition: Salt contaminated condition + severe industrial/traffic environment(NO_x/SO_x))

* Based on 1,500 UL test hours

* TUV certification will be obtained in March 19

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.

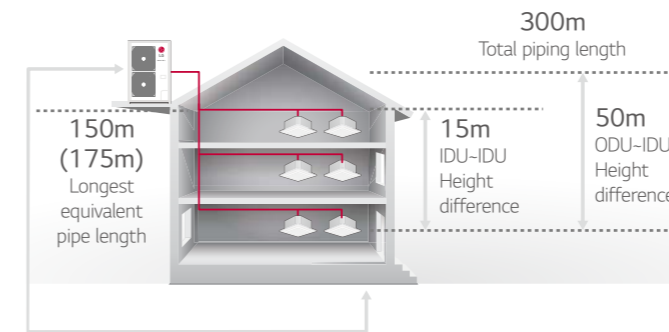


Sufficient Pipe length Limit

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

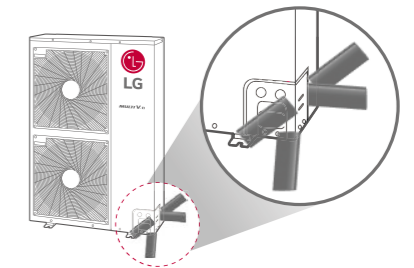
MULTI V S inverter technology and sub cooling control circuit technology allows greater piping length and outstanding elevation differences. A cooling system can be implemented more flexibly in a shop, office and even high-rise building, reducing the designer's work time and providing more efficient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

Piping Capabilities



4 Way Piping

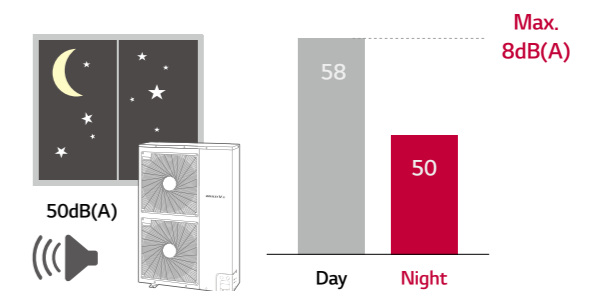
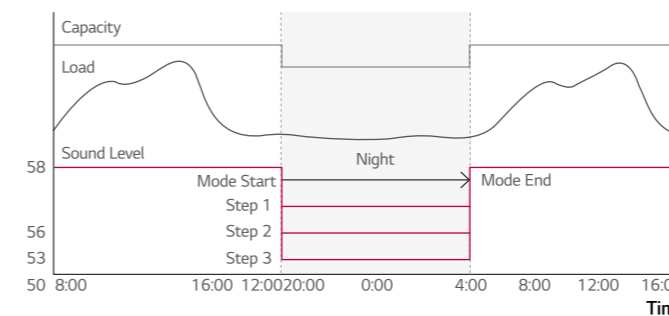
- Free design and installation by 4 way piping.



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

MULTI V S

Fan Technology and RPM control

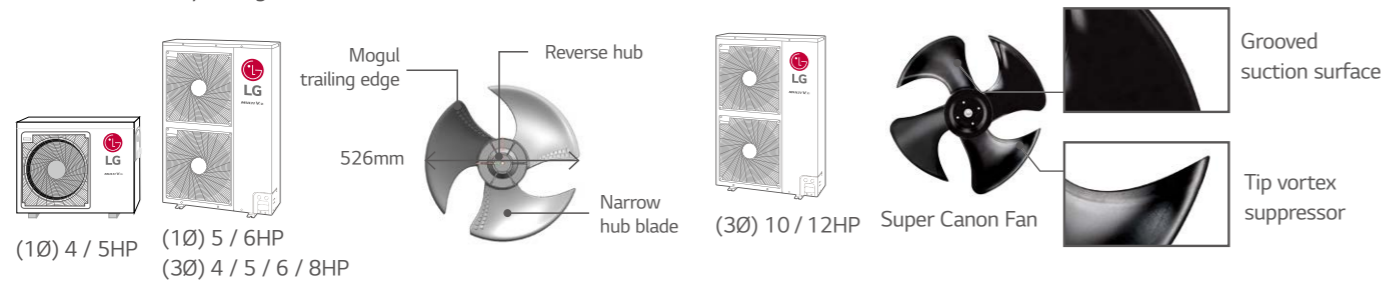
External static pressure control for outdoor unit fan to adapt more flexibly to various installation conditions of outdoor units

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

Fan Technology

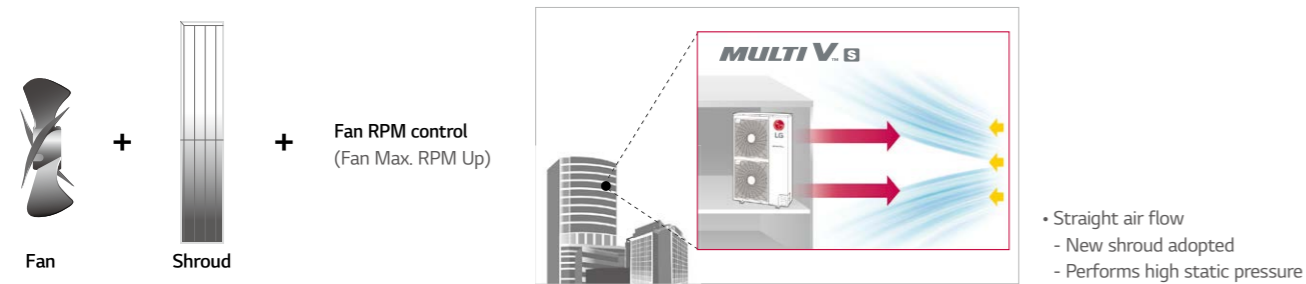
The new axial fan has a mogul trailing edge, narrow hub blade and reverse hub, this provides a high efficiency, low noise, wide fan, as well as improving the air flow rate.

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



Fan RPM control

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



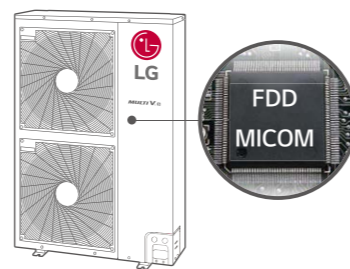
* E.S.P : External Static Pressure

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



Outside Unit Function



| Category | Functions | MULTI V S |
|-----------------------------|--|---|
| Key Refrigerant Components | Variable Path of Outdoor Units HEX | - |
| | HiPOR™ (High Pressure Oil Return) | - |
| | Humidity Sensor | ARUB060GSS4 only |
| | Anti Corrosion Black Fin | ○ |
| | Oil Sensor | - |
| Special Function | Dual Sensing | ARUB060GSS4 only |
| | Low Noise Operation | ○ |
| | Hghj Static Mode of Outdoor Units Fan | ○ |
| | Partial Defrosting | - |
| | Auto Dust Cleaning of Outdoor Units (Fan reverse rotation) | - |
| Basic Function | Indoor Cooling Comfort Mode Based Outdoor Temperature | ○ |
| | Smart Load Control (SLC) (Changing indoor discharge air temperature according to load) | ○ |
| | Outdoor Units Control Refer to Humidity | ARUB060GSS4 only |
| | Defrost / Deicing | ○ |
| | High Pressure Switch | ○ |
| Central Controller | Phase Protection | ○ |
| | Restart Delay (3-minutes) | ○ |
| | Self Diagnosis | ○ |
| | Soft Start | ○ |
| | Test Run Function | - |
| BNU (Building Network Unit) | AC Ez (Simple Controller) | PQCSZ250S0 |
| | AC Ez Touch | PACEZA000 |
| | AC Smart IV | PACS4B000 |
| | AC Smart 5 | PACSSA000 |
| | ACP (Advanced Control Platform) IV | PACP4B000 |
| IO Module (ODU Dry Contact) | ACP (Advanced Control Platform) 5 | PACPSA000 |
| | AC Manager 5 | PACMSA000 |
| | ACP Lonworks | PLNWKB000 |
| | ACP BACnet | PQNFB17C0 |
| | PDI (Power Distribution Indicator) | Standard |
| Cool / Heat Selector | Premium | PPWRDB000 |
| | | PQNUD1S40 |
| Cycle Monitoring Device | LGMV | PRDSBM |
| | Mobile LGMV | PRCTILO |
| Additional kit | | PLGMVW100 |
| | Refrigerant Charging Kit | ○ (Logical operation) Not applied to ARUB060GSS4 |
| | Low Ambient Kit | - |
| | Variable Water Flow Valve Control Kit | - |

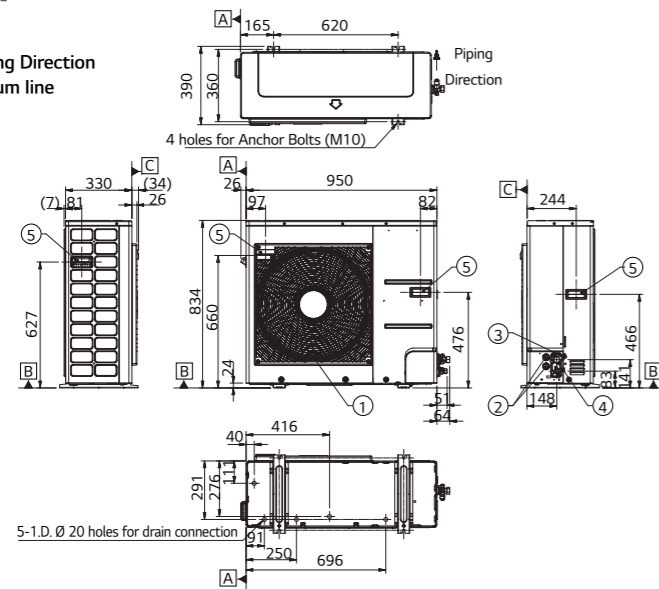
※ ○ : Applied, - : Not Applied

MULTI V S

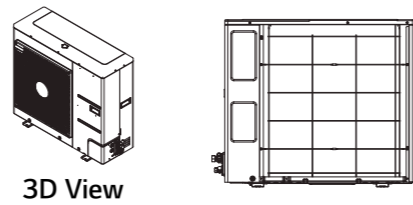
Dimension

[Unit : mm]

Symbols
 Piping Direction
 Datum line

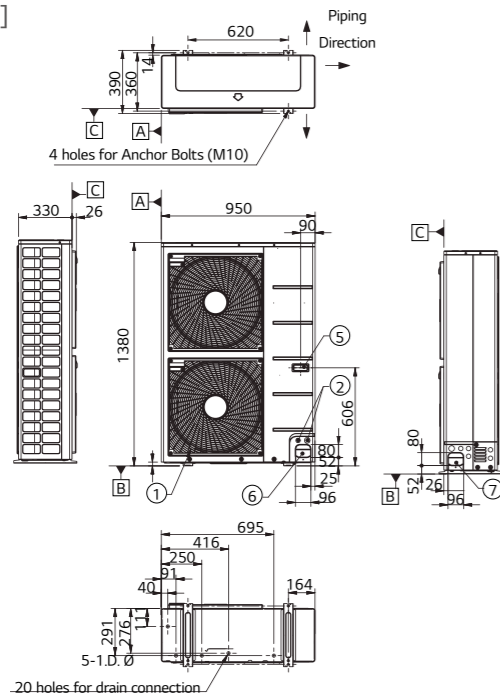


| No. | Part Name | Description |
|-----|------------------------------------|---------------|
| 1 | Air Outlet | - |
| 2 | Power and communication cable Hole | - |
| 3 | Gas Pipe Connection | Welding joint |
| 4 | Liquid Pipe Connection | Welding joint |
| 5 | Handle | - |
| 6 | Pipe routing hole (front) | - |
| 7 | Pipe routing hole (side) | - |
| 8 | Pipe routing hole (back) | - |

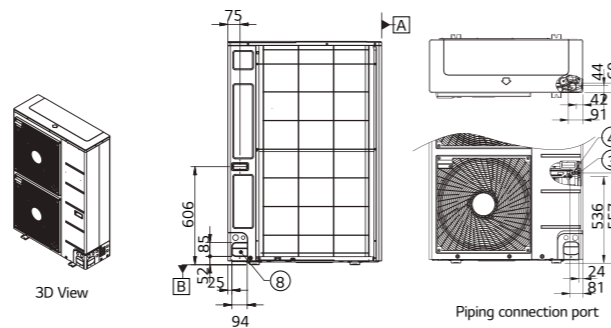


- Note
1. Unit should be installed in compliance with the installation manual in the product box.
 2. Unit should be grounded in accordance with the local regulation or applicable national codes.
 3. All electrical components and materials to be supplied from the site must comply with the local regulations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

[Unit : mm]



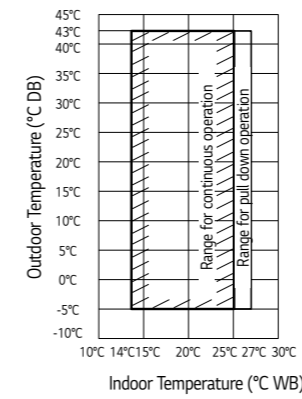
| No. | Part Name | Description |
|-----|------------------------------------|---------------|
| 1 | Air Outlet | - |
| 2 | Power and communication cable Hole | - |
| 3 | Gas Pipe Connection | Welding joint |
| 4 | Liquid Pipe Connection | Welding joint |
| 5 | Handle | - |
| 6 | Pipe routing hole (front) | - |
| 7 | Pipe routing hole (side) | - |
| 8 | Pipe routing hole (back) | - |



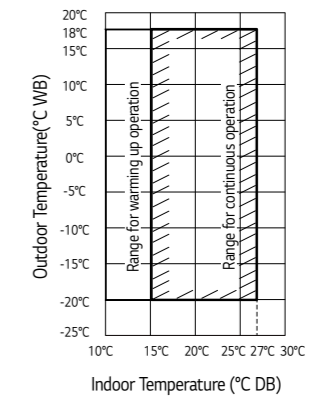
- Note
1. Unit should be installed in compliance with the installation manual in the product box.
 2. Unit should be grounded in accordance with the local regulation or applicable national codes.
 3. All electrical components and materials to be supplied from the site must comply with the local regulations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

Heat Pump

Cooling

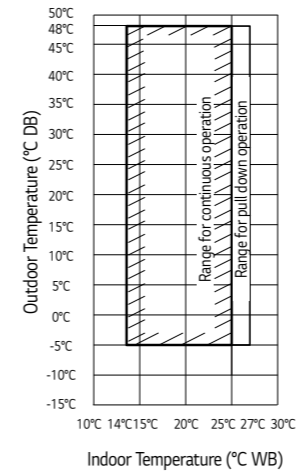


Heating

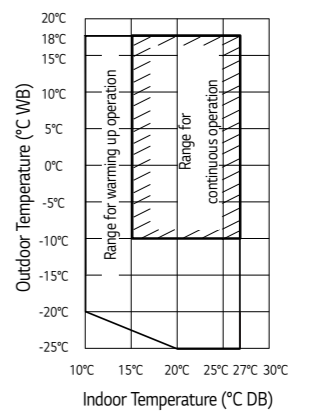


Heat Recovery

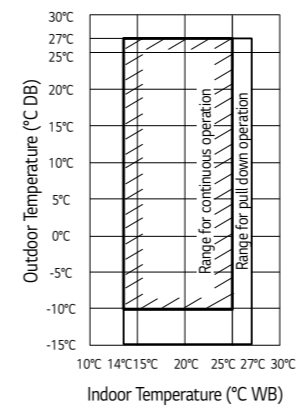
Cooling



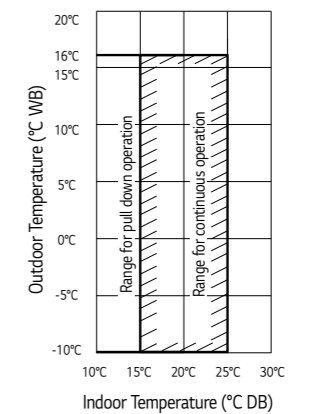
Heating



Simultaneous Cooling



Simultaneous Heating



MULTI V S

Non TROPICAL MODEL

HEAT PUMP

ARUN040GSS0 / ARUN040GSR0 / ARUN050GSL0



| HP | | | 4 | 5 |
|---|-----------------------|---------------------------------|----------------------------|---------------------------|
| Model Name | Combination Unit | | ARUN040GSS0 / ARUN040GSR0* | ARUN050GSL0 |
| Capacity ¹⁾ (Rated) | Cooling | kW | 12.1 | 14.0 |
| | Heating | kW | 12.5 | 15.0 |
| Input (Rated) ¹⁾ | Cooling | kW | 3.78 | 4.38 |
| | Heating | kW | 2.10 | 2.65 |
| EER | | | 3.20 | 3.20 |
| COP | | | 5.94 | 5.66 |
| Compressor | Type | | BLDC Inverter Twin Rotary | BLDC Inverter Twin Rotary |
| | Piston Displacement | cm ³ /rev | 44.2 | 44 |
| | Motor Output | W | 4,000 | 4,000 |
| | Starting Method | | DC Inverter Starting | DC Inverter Starting |
| Fan | Type | | Axial Flow Fan | Axial Flow Fan |
| | Motor Output x Number | W | 124 x 1 | 124 x 1 |
| | Air Flow Rate (High) | m ³ /min | 60 | 60 |
| | | ft ³ /min | 2,119 | 2,119 |
| | Drive | | DC INVERTER | DC INVERTER |
| Discharge | Side / Top | Side | Side | |
| Pipe Connections | Liquid | mm(inch) | Ø 9.52(3/8) | Ø 9.52(3/8) |
| | Gas | mm(inch) | Ø 15.88(5/8) | Ø 15.88(5/8) |
| Dimensions (W x H x D) | | mm | 950 x 834 x 330 | 950 x 834 x 330 |
| Net Weight | | kg | 70 | 73 |
| Sound Pressure Level | Cooling | dB(A) | 50 | 52 |
| | Heating | dB(A) | 52 | 58 |
| Sound Power Level | Cooling | dB(A) | 72 | 72 |
| | Heating | dB(A) | 75 | 75 |
| Communication Cable | | No. x mm ² (VCTF-SB) | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A |
| | Precharged Amount | kg | 1.8 | 2.4 |
| | | lbs | 4.0 | 5.3 |
| | GWP | | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | | 3.8 | 5.0 |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc | 1,300 | 1,300 |
| Power Supply | | V, Ø, Hz | 220-240, 1, 50 | 220-240, 1, 50 |
| | | | 220, 1, 60 | 220, 1, 60 |
| Number of Maxmum Connectable Indoor Units | | | 8 | 10 |

* Full Corrosion Resistance Model (Heat Exchanger, Motor and Case)

- 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

ARUN050GSS0 / ARUN050GSR0 / ARUN060GSS0 / ARUN060GSR0



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 Check ongoing validity of certification
www.eurovent-certification.com

| HP | | | 5 | 6 |
|---|-----------------------|---------------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN050GSS0 / ARUN050GSR0* | ARUN060GSS0 / ARUN060GSR0* |
| Capacity ¹⁾ (Rated) | Cooling | kW | 14.0 | 15.5 |
| | Heating | kW | 16.0 | 18.0 |
| Input (Rated) ¹⁾ | Cooling | kW | 3.33 | 3.97 |
| | Heating | kW | 2.77 | 3.40 |
| EER | | | 4.20 | 3.90 |
| COP | | | 5.77 | 5.30 |
| Compressor | Type | | BLDC Inverter Twin Rotary | BLDC Inverter Twin Rotary |
| | Piston Displacement | cm ³ /rev | 44.2 | 44.2 |
| | Motor Output | W | 4,000 | 4,000 |
| | Starting Method | | DC Inverter Starting | DC Inverter Starting |
| Fan | Type | | Axial Flow Fan | Axial Flow Fan |
| | Motor Output x Number | W | 124 x 2 | 124 x 2 |
| | Air Flow Rate (High) | m ³ /min | 110 | 110 |
| | | ft ³ /min | 3,885 | 3,885 |
| | Drive | | DC INVERTER | DC INVERTER |
| Discharge | Side / Top | Side | Side | |
| Pipe Connections | Liquid | mm(inch) | Ø 9.52(3/8) | Ø 9.52(3/8) |
| | Gas | mm(inch) | Ø 15.88(5/8) | Ø 19.05(3/4) |
| Dimensions (W x H x D) | | mm | 950 x 1,380 x 330 | 950 x 1,380 x 330 |
| Net Weight | | kg | 94 | 94 |
| Sound Pressure Level | Cooling | dB(A) | 51 | 52 |
| | Heating | dB(A) | 53 | 54 |
| Sound Power Level | Cooling | dB(A) | 72 | 72 |
| | Heating | dB(A) | 76 | 77 |
| Communication Cable | | No. x mm ² (VCTF-SB) | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A |
| | Precharged Amount | kg | 3.0 | 3.0 |
| | | lbs | 6.6 | 6.6 |
| | GWP | | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | | 6.3 | 6.3 |
| Control | | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc | 1,300 | 1,300 |
| Power Supply | | V, Ø, Hz | 220-240, 1, 50 | 220-240, 1, 50 |
| | | | 220, 1, 60 | 220, 1, 60 |
| Number of Maxmum Connectable Indoor Units | | | 10 | 13 |

* Full Corrosion Resistance Model (Heat Exchanger, Motor and Case)

- 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

ARUN040LSSO / ARUN050LSSO / ARUN060LSSO
ARUN040LSRO / ARUN050LSRO / ARUN060LSRO



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Check ongoing validity of certification
: www.eurovent-certification.com

| HP | | 4 | 5 | 6 |
|---|---------------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | ARUN040LSSO / ARUN040LSRO* | ARUN050LSSO / ARUN050LSRO* | ARUN060LSSO / ARUN060LSRO* |
| Capacity ¹⁾ (Rated) | Cooling | kW 12.1 | 14.0 | 15.5 |
| | Heating | kW 12.5 | 16.0 | 18.0 |
| Input (Rated) ¹⁾ | Cooling | kW 2.37 | 3.33 | 3.97 |
| | Heating | kW 1.93 | 2.77 | 3.40 |
| EER | | 5.10 | 4.20 | 3.90 |
| COP | | 6.49 | 5.77 | 5.30 |
| Compressor | Type | BLDC Inverter Twin Rotary | BLDC Inverter Twin Rotary | BLDC Inverter Twin Rotary |
| | Piston Displacement | cm ³ /rev 44.2 | 44.2 | 44.2 |
| | Motor Output | W 4,000 | 4,000 | 4,000 |
| | Starting Method | DC Inverter Starting | DC Inverter Starting | DC Inverter Starting |
| Fan | Type | Axial Flow Fan | Axial Flow Fan | Axial Flow Fan |
| | Motor Output x Number | W 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 | |
| Pipe Connections | Liquid | mm(inch) Ø 9.52(3/8) | Ø 9.52(3/8) | Ø 9.52(3/8) |
| | Gas | mm(inch) Ø 15.88(5/8) | Ø 15.88(5/8) | Ø 19.05(3/4) |
| Dimensions (W x H x D) | mm | 950 x 1,380 x 330 | 950 x 1,380 x 330 | 950 x 1,380 x 330 |
| Net Weight | kg | 96 | 96 | 96 |
| Sound Pressure Level | Cooling | dB(A) 50 | 51 | 52 |
| | Heating | dB(A) 52 | 53 | 54 |
| Sound Power Level | Cooling | dB(A) 72 | 72 | 72 |
| | Heating | dB(A) 76 | 76 | 77 |
| 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 |
| | GWP | 2,087.5 | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | 6.3 | 6.3 | 6.3 |
| Control | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc 1,300 | 1,300 | 1,300 |
| Power Supply | V, Ø, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maxmum Connectable Indoor Units | | 8 | 10 | 13 |

* Full Corrosion Resistance Model (Heat Exchanger, Motor and Case)

- 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 ARUN050GSLO 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

ARUN080LSSO / ARUN100LSSO / ARUN120LSSO



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Check ongoing validity of certification
: www.eurovent-certification.com

| HP | | 8 | 10 | 12 |
|---|---------------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | ARUN080LSSO | ARUN100LSSO | ARUN120LSSO |
| Capacity ¹⁾ (Rated) | Cooling | kW 22.4 | 28.0 | 33.6 |
| | Heating | kW 24.5 | 30.6 | 36.7 |
| Input (Rated) ¹⁾ | Cooling | kW 8.30 | 8.75 | 14.00 |
| | Heating | kW 6.62 | 8.12 | 7.46 |
| EER | | 2.70 | 3.20 | 2.40 |
| COP | | 3.70 | 3.77 | 4.92 |
| Compressor | Type | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Piston Displacement | cm ³ /rev 43.8 | 62.1 | 62.1 |
| | Motor Output | W 4,200 | 5,300 | 5,300 |
| | Starting Method | Direct On Line | Direct On Line | Direct On Line |
| Fan | Type | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output x Number | W 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 | |
| Pipe Connections | Liquid | mm(inch) Ø 9.52(3/8) | Ø 9.52(3/8) | Ø 12.7(1/2) |
| | Gas | mm(inch) Ø 19.05(3/4) | Ø 22.2(7/8) | Ø 28.58(1 1/8) |
| Dimensions (W x H x D) | mm | 950 x 1,380 x 330 | 1,090 x 1,625 x 380 | 1,090 x 1,625 x 380 |
| Net Weight | kg | 115 | 144 | 157 |
| Sound Pressure Level | Cooling | dB(A) 57 | 58 | 60 |
| | Heating | dB(A) 57 | 58 | 60 |
| Sound Power Level | Cooling | dB(A) 81 | 80 | 81 |
| | Heating | dB(A) 84 | 84 | 85 |
| 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 |
| | GWP | 2,087.5 | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | 7.3 | 9.4 | 12.5 |
| Control | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Refrigerant Oil | Type | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Charge | cc 2,400 | 2,600 | 3,400 |
| Power Supply | V, Ø, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of Maxmum Connectable Indoor Units | | 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 ARUN050GSLO 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

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



| HP | 6 | | | |
|--|-----------------------|----------------------------|----------------|------|
| Model | ARUB060GSS4 | | | |
| Capacity (Rated) ¹⁾ | Cooling | Nom | kW | 15.5 |
| | Heating | Nom | kW | 18.0 |
| Power Input (Rated) ¹⁾ | Cooling | Nom | kW | 3.97 |
| | Heating | Nom | kW | 4.10 |
| EER | | | | 3.90 |
| COP | | | | 4.39 |
| ESEER | | | | 7.15 |
| SLC ESEER | | | | 8.05 |
| Compressor | Type | Hermetically Sealed Scroll | | |
| | Piston Displacement | cm ³ /rev | 43.8 | |
| | Motor Output | W | 4,200 | |
| | Starting Method | DC Inverter Starting | | |
| Fan | Type | Axial Flow Fan | | |
| | Motor Output x Number | W | 124 x 2 | |
| | Air Flow Rate (High) | m ³ /min | 110 | |
| | | ft ³ /min | 3,885 | |
| Drive | DC INVERTER | | | |
| Pipe Connections | Discharge | Side / Top | Side | |
| | Liquid | mm(inch) | Ø 9.52 (3/8) | |
| | Low Pressure Gas | mm(inch) | Ø 19.05 (3/4) | |
| | High Pressure Gas | mm(inch) | Ø 15.88 (5/8) | |
| Dimensions (W x H x D) | mm | 950 x 1,380 x 330 | | |
| Net Weight | kg | 118 | | |
| Sound Pressure Level | Cooling | dB(A) | 56 | |
| | Heating | dB(A) | 58 | |
| Sound Power Level | Cooling | dB(A) | 69 | |
| | Heating | dB(A) | 71 | |
| Communication Cable | (VCTF-SB) | No. x mm ² | 2C x 1.0 - 1.5 | |
| Refrigerant | Refrigerant Name | R410A | | |
| | Pre-charged Amount | kg | 3.5 | |
| | t-CO ₂ eq | 7.3 | | |
| | Control | Electronic Expansion Valve | | |
| Refrigerant Oil | Type | FVC68D(PVE) | | |
| | Charge | cc | 1,300 | |
| Power Supply | V, Ø, Hz | 220-240, 1, 50 | | |
| Number of Maximum 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)

TROPICAL MODEL

HEAT PUMP

ARUN040LSHO / ARUN050LSHO / ARUN060LSHO



| HP | 4 | | | 5 | | | 6 | | | | | |
|--|---------------------------------|----------------------|--------------|----------------------------|----------------------|--------------|----------------------------|----------------------|--------------|------------------|--|--|
| Model Name | Independent Unit | | | ARUN040LSHO | | | ARUN050LSHO | | | ARUN060LSHO | | |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 3.2 | | | 4.0 | | | 4.4 | | | |
| | | kW | 11.2 | | | 14.0 | | | 15.5 | | | |
| | **Cooling - T3 46°C | Btu/h | 38,200 | | | 47,800 | | | 52,900 | | | |
| | | kW | 2.7 | | | 3.4 | | | 3.8 | | | |
| | Heating | Btu/h | 32,400 | | | 40,600 | | | 45,000 | | | |
| | | kW | 3.6 | | | 4.5 | | | 5.1 | | | |
| Input (Rated) ¹⁾ | *Cooling - T1 35°C | kW | 2.60 | | | 3.38 | | | 3.96 | | | |
| | | **Cooling - T3 46°C | kW | 2.80 | | | 3.66 | | | 4.26 | | |
| COP ¹⁾ | *Cooling - T1 35°C | kW / kW | 4.31 | | | 4.14 | | | 3.91 | | | |
| | | **Cooling - T3 46°C | kW / kW | 3.40 | | | 3.25 | | | 3.10 | | |
| | Heating | kW / kW | 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 | DC Inverter Rotary | | | DC Inverter Rotary | | | DC Inverter Rotary | | | | |
| | Piston Displacement | cm ³ /rev | 44.2 | | | 44.2 | | | 44.2 | | | |
| | Number of Revolution | rev/min | 3,600 | | | 3,600 | | | 3,600 | | | |
| | Motor Output x Number | W x No. | 4,000 x 1 | | | 4,000 x 1 | | | 4,000 x 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 | 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 | | | | |
| Piping Connections | Liquid | mm(inch) | Ø 9.52(3/8) | | | Ø 9.52(3/8) | | | Ø 9.52(3/8) | | | |
| | Gas | mm(inch) | Ø 15.88(5/8) | | | Ø 15.88(5/8) | | | Ø 19.05(3/4) | | | |
| Dimensions (W x H x D) | mm | (950x1,380x330) | | | (950x1,380x330) | | | (950x1,380x330) | | | | |
| | inch | (37.4 x 54.3 x 13.0) | | | (37.4 x 54.3 x 13.0) | | | (37.4 x 54.3 x 13.0) | | | | |
| Net Weight | kg | 96 | | | 96 | | | 96 | | | | |
| | lbs | 212 | | | 212 | | | 212 | | | | |
| Sound Press Level | Cooling | dB(A) | 50.0 | | | 51.0 | | | 52.0 | | | |
| | Heating | dB(A) | 52.0 | | | 53.0 | | | 54.0 | | | |
| Sound Power Level | dB(A) | 63 | | | 66 | | | 67 | | | | |
| 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 | | | |
| Control | Electronic Expansion Valve | | | Electronic Expansion Valve | | | Electronic Expansion Valve | | | | | |
| Power Supply | V, Ø, Hz | 380-415, 3, 50 | | | 380-415, 3, 50 | | | 380-415, 3, 50 | | | | |
| | V, Ø, Hz | 400, 3, 60 | | | 400, 3, 60 | | | 400, 3, 60 | | | | |
| Number of Maximum Connectable Indoor Units | | | | 6 | | | 8 | | | 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)
 **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 20°C(68°F) DB / 15°C(59°F) WB / Outdoor 7°C(44.6°F) DB / 6°C(42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - 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.
 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

HEAT PUMP

ARUN080LSH0 / ARUN100LSH0

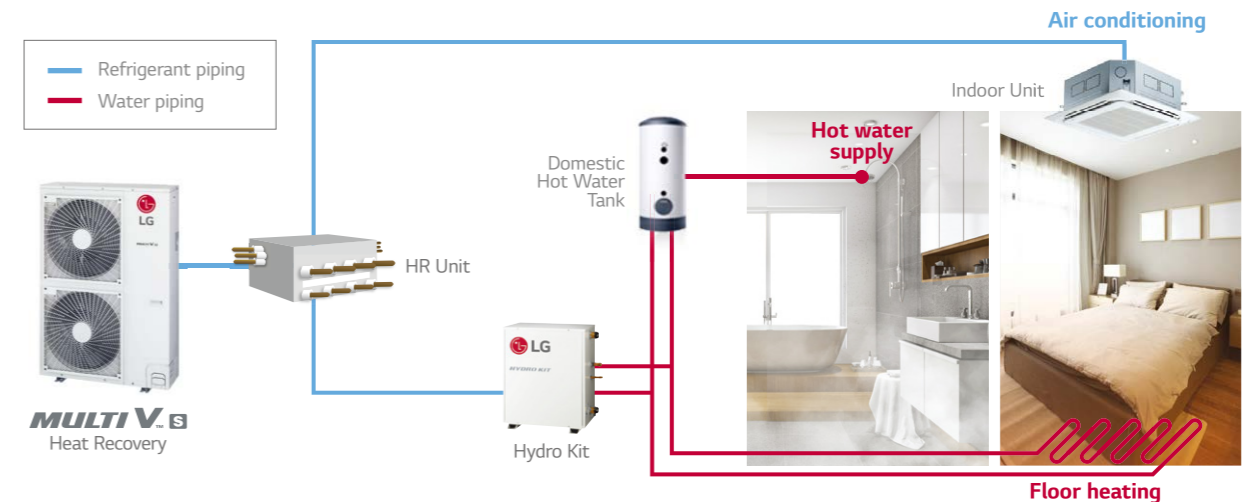


| HP | | 8 | 10 | |
|---|---------------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Independent Unit | ARUN080LSH0 | ARUN100LSH0 | |
| Capacity (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 6.4 | 8.0 |
| | | kW | 22.4 | 28.0 |
| | **Cooling - T3 46°C | Btu/h | 76,400 | 95,900 |
| | | RT | 5.4 | 7.1 |
| | Heating | kW | 19.0 | 25.0 |
| | | Btu/h | 64,900 | 85,300 |
| Input (Rated) ¹⁾ | *Cooling - T1 35°C | RT | 7.2 | 9.0 |
| | | kW | 25.2 | 31.5 |
| | **Cooling - T3 46°C | kW | 86,000 | 107,500 |
| | | Btu/h | 5.60 | 7.09 |
| | Heating | kW | 5.94 | 7.94 |
| | | Btu/h | 5.86 | 7.41 |
| COP ¹⁾ | *Cooling - T1 35°C | kW / kW | 4.00 | 3.95 |
| | **Cooling - T3 46°C | kW / kW | 3.20 | 3.15 |
| | Heating | kW / kW | 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 | |
| | Piston Displacement | cm ³ /rev | 62.1 | 62.1 |
| | Number of Revolution | rev/min | 3,600 | 3,600 |
| | Motor Output x Number | W x No. | 5,300 x 1 | 5,300 x 1 |
| | Starting Method | | Inverter | Inverter |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) |
| Fan | Type | Propeller fan | Propeller fan | |
| | Motor Output x Number | W | 250 x 2 | 251 x 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 |
| Piping Connections | Liquid | mm(inch) | Ø 9.52(3/8) | Ø 9.52(3/8) |
| | Gas | mm(inch) | Ø 19.05(3/4) | Ø 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 | | (42.9 x 64.0 x 15.0) | (42.9 x 64.0 x 15.0) |
| Net Weight | kg | | 144 | 144 |
| | lbs | | 317 | 317 |
| Sound Press Level | Cooling | dB(A) | 57.0 | 58.0 |
| | Heating | dB(A) | 57.0 | 58.0 |
| Sound Power Level | | dB(A) | 68 | 69 |
| Communication Cable | No. x mm ² (VCTF-SB) | | 2C x 1.0 - 1.5 | 2C x 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A |
| | Precharged Amount | kg | 4.5 | 4.5 |
| | | lbs | 9.9 | 9.9 |
| Power Supply | Control | | Electronic Expansion Valve | Electronic Expansion Valve |
| | V, Ø, Hz | | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of Maxmum Connectable Indoor Units | V, Ø, Hz | | 400, 3, 60 | 400, 3, 60 |
| | | | 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)
 **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 20°C(68°F) DB / 15°C(59°F) WB / Outdoor 7°C(44.6°F) DB / 6°C(42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - 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.
 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.

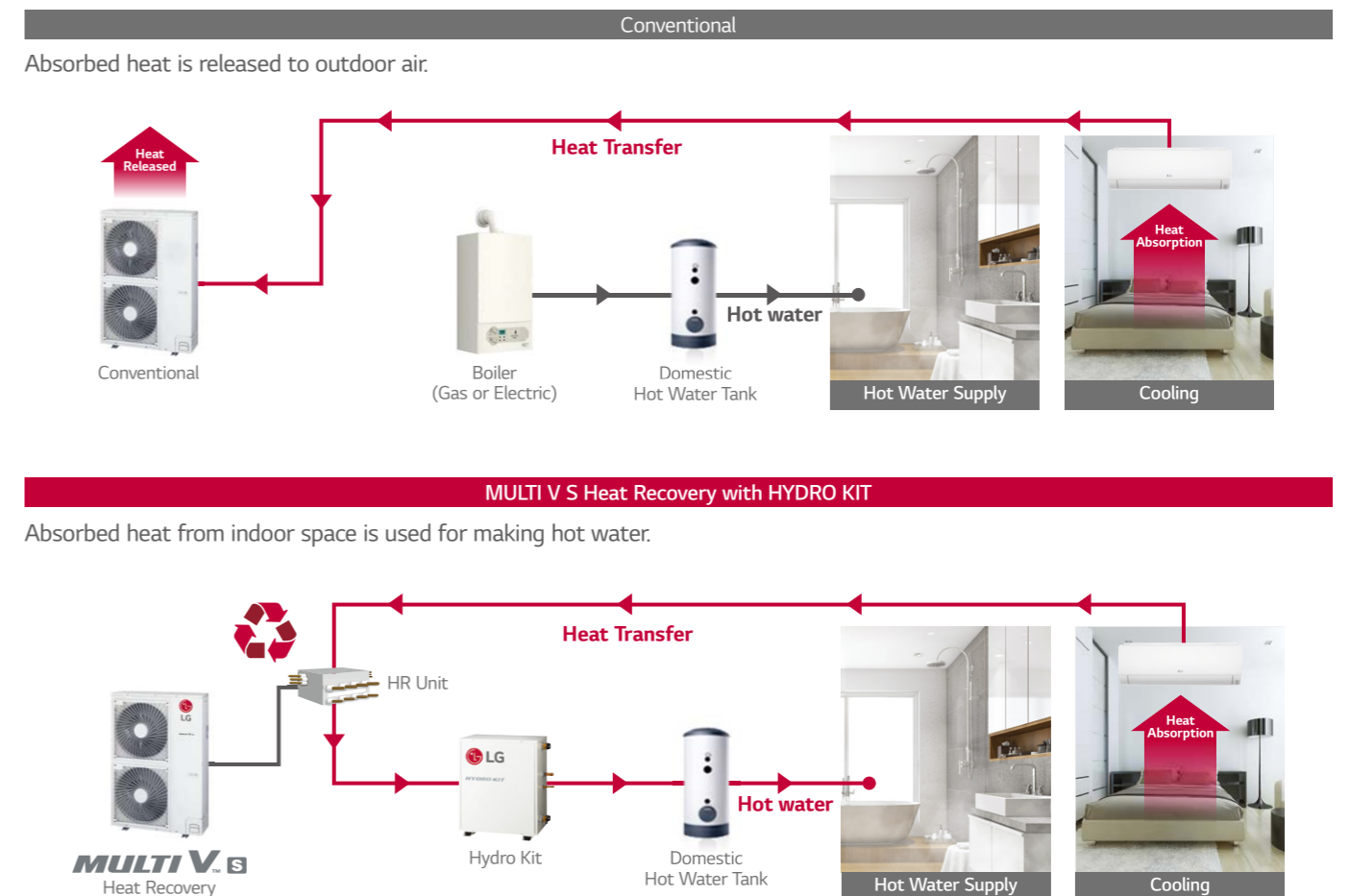
System Diagram

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



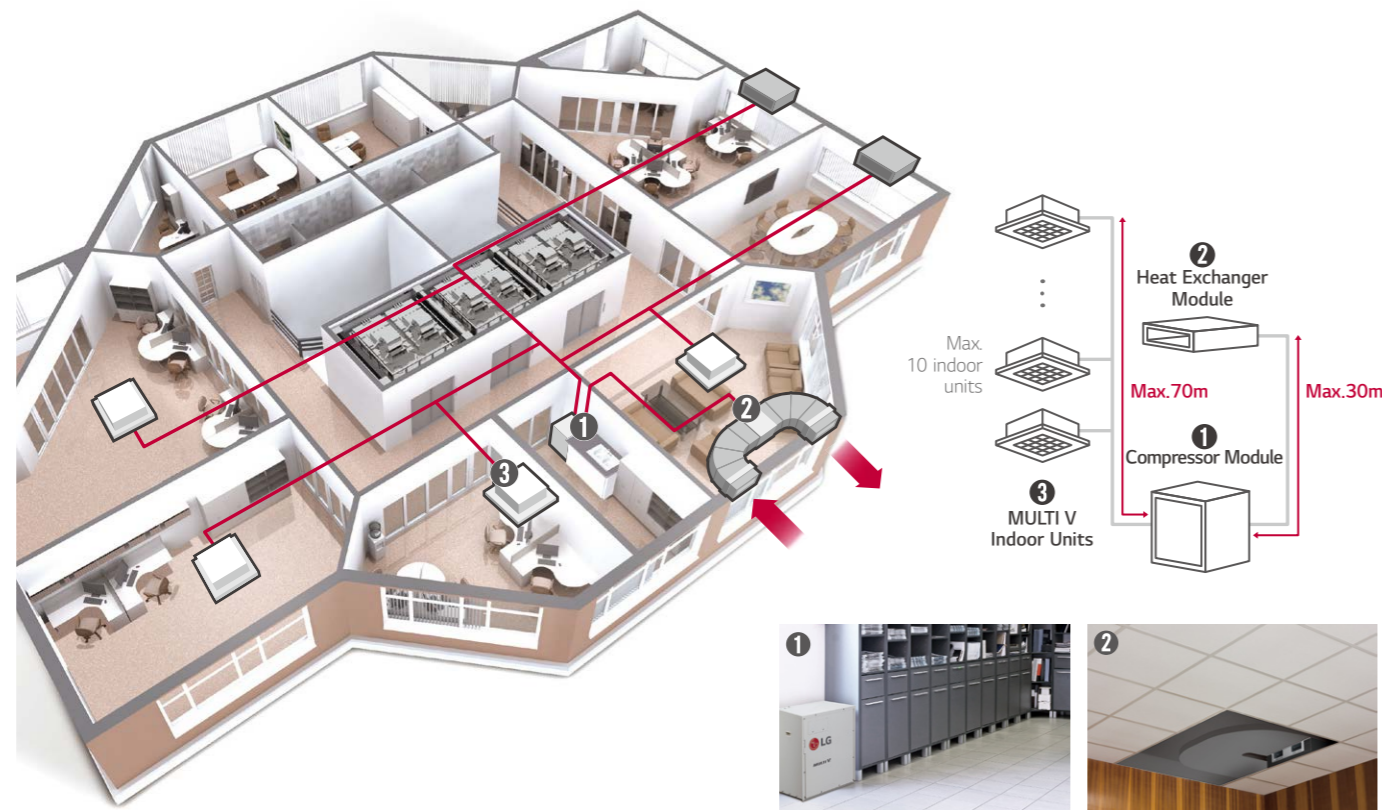
Energy Saving

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



MULTI V MODULAR

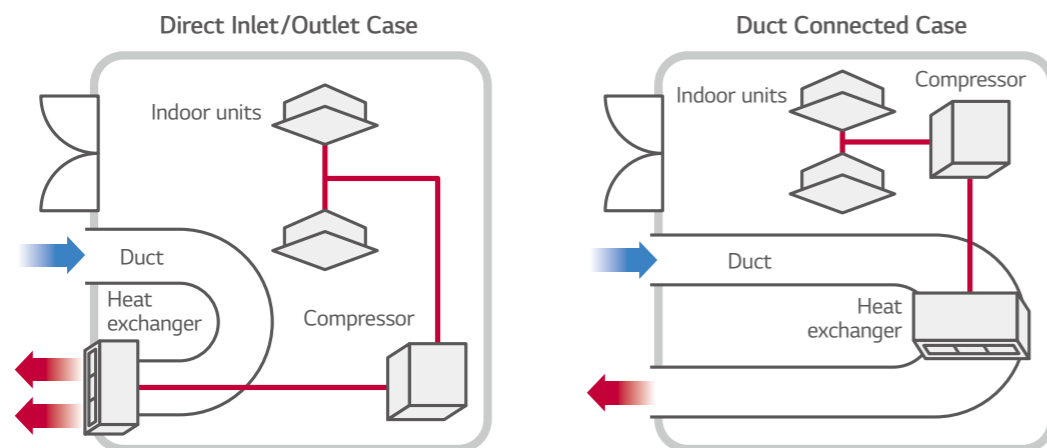
Bird's-eye view



High Flexibility of Installation

Outside unit split by compressor and heat exchanger module

Split unit can make installation much more flexible. Compressor module can be installed at any place inside such as storage room, or in a kitchen. Heat exchanger module can be installed in a false ceiling spaces in both case of direct inlet/outlet and ducted inlet/outlet. Higher maximum external static pressure can make installation more flexible



Lighter & smaller units can make installation much more easier

Ease and flexibility of installation

Ease and flexibility of installation thanks to the high static pressure available and adjustable and the reduced weight

Small size

Make the most of your local space thanks to its small size

Regulatory compliance

Regulatory compliance thanks to the 3600 CMM of exhausted air

Increased Freedom of Design

Additional structure installation or ceiling construction isn't required due to improved freedom of design. This makes replacement of the compressor easier, making the service and maintenance of products handy. Moreover, split module provides low noise operation in comparison to the integrated type.



Heat exchanger module can be installed in false ceiling spaces

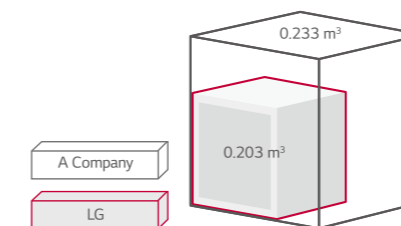


Compressor module can be installed at any place inside

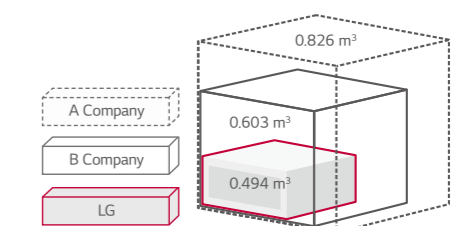


Space Saving & Convenient Installation

Volume (Compressor Module)



Volume (Heat Exchanger Module)



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

Normal Mode

up to 30 Pa

High Static Pressure Mode

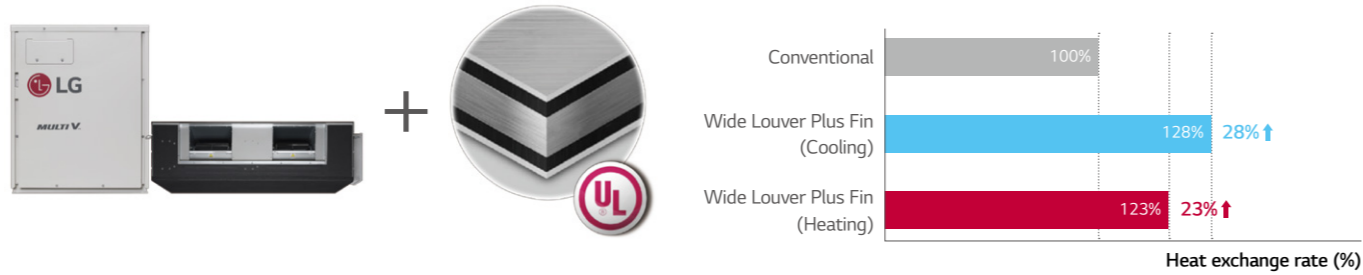
up to 157 Pa (max)



MULTI V MODULAR

Wide Louver Plus Fin + Corrosion Resistance

Wide Louver Plus fin technology increases efficiency and heating performance compared to conventional fin.



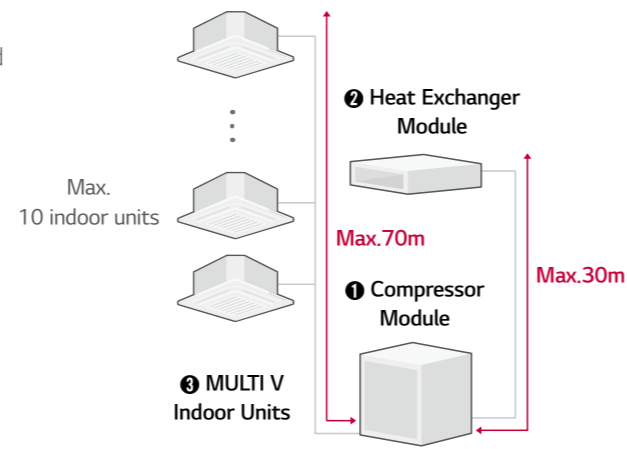
Module Type

Increased freedom of design

- Additional structure installation and ceiling construction isn't required

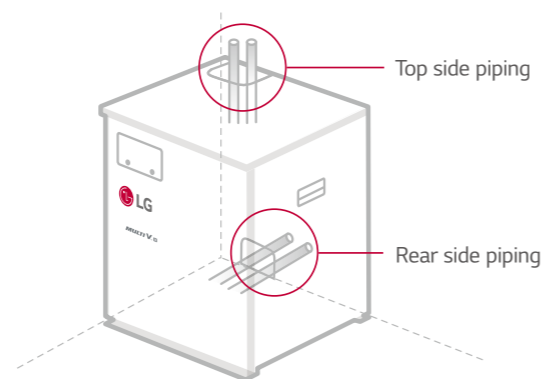
Ease of service (Replacement of the comp)

Low noise by module (vs Integrated Type)

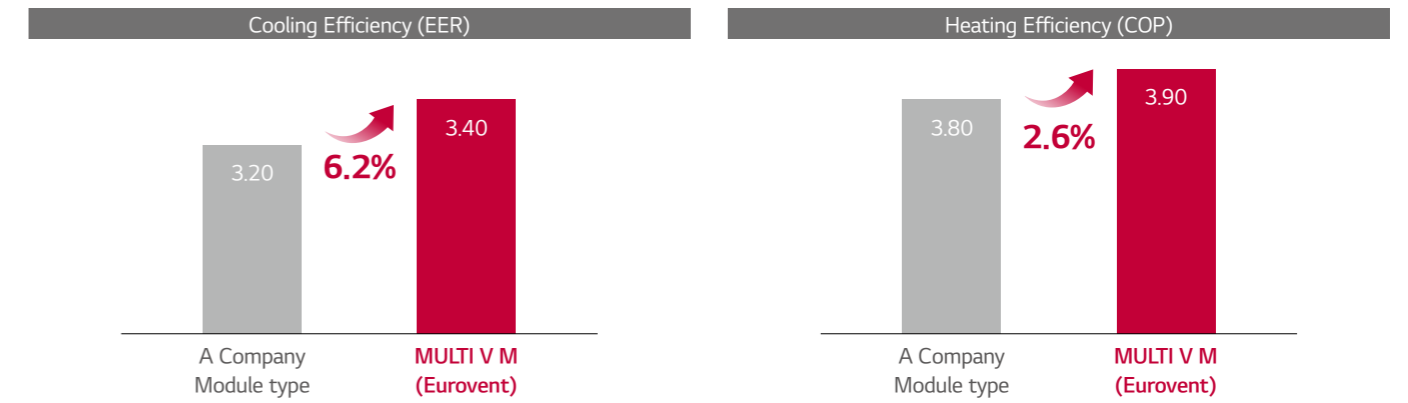


Flexible Piping Location

Neat & easy installation by flexible piping location piping.

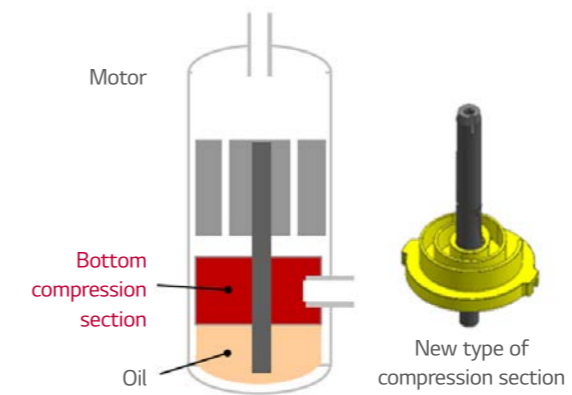


Energy Efficiency



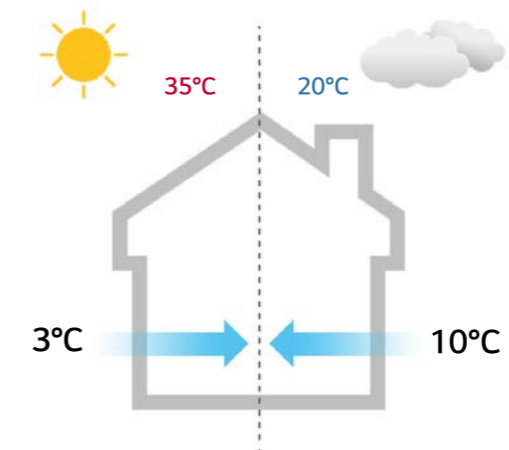
New Type Scroll

MULTI V M ensures world's best class energy efficiency with innovative technology including the LG's New Type Scroll compressor.



Smart Load Control

To save operation energy, automatically control the refrigerant temperature according to outside temperature.



MULTI V MODULAR

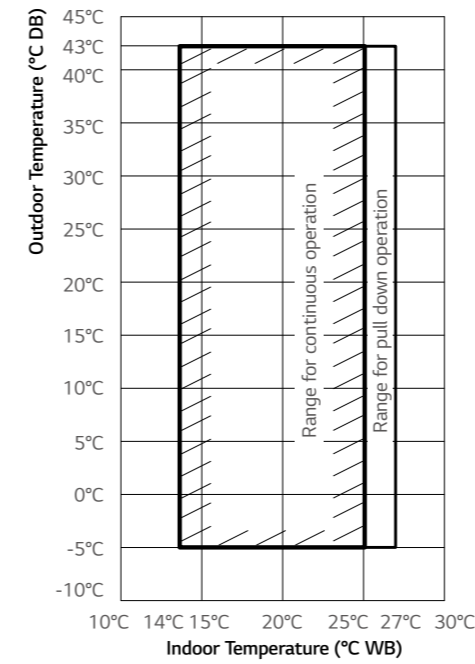
Outside Unit Function

| Category | Functions | Modular |
|------------------------------------|--|------------|
| Key Refrigerant components | Variable Path of Outdoor Units HEX | - |
| | HiPOR™ (High Pressure Oil Return) | - |
| | Humidity Sensor | - |
| | Anti Corrosion Black Fin | ○ |
| | Oil Sensor | - |
| Useful Function | Dual Sensing | - |
| | Low Noise Operation | ○ |
| | Hgih Static Mode of Outdoor Units Fan | ○ |
| | Partial Defrosting | - |
| | Auto Dust Cleaning of Outdoor Units (Fan reverse rotation) | - |
| | Indoor Cooling Comfort Mode Based Outdoor Temperature | ○ |
| | Smart Load Control (SLC) (Changing indoor discharge air temperature according to load) | ○ |
| | Outdoor Units Control Refer to Humidity | - |
| | Defrost / Deicing | ○ |
| | High Pressure Switch | ○ |
| Reliability | Phase Protection | ○ |
| | Restart Delay (3-minutes) | ○ |
| | Self Diagnosis | ○ |
| | Soft Start | ○ |
| | Test Run Function | - |
| Central Controller | AC Ez (Simple Controller) | PQCSZ250S0 |
| | AC Ez Touch | PACEZA000 |
| | AC Smart IV | PACS4B000 |
| | AC Smart 5 | PACSSA000 |
| | ACP (Advanced Control Platform) IV | PACP4B000 |
| | ACP (Advanced Control Platform) 5 | PACP5A000 |
| | AC Manager 5 | PACM5A000 |
| BNU (Building Network Unit) | ACP Lonworks | PLNWKB000 |
| | ACP BACnet | PQNFB17C0 |
| Installation | Refrigerant Charging Kit | - |
| | Variable Water Flow Valve Control Kit | - |
| PDI (Power Distribution Indicator) | Standard | - |
| | Premium | - |
| Cool / Heat Selector | | PRDSBM |
| Low Ambient Kit | | - |
| IO Module (ODU Dry Contact) | | PVDSMN000 |
| Cycle Monitoring Device | LGMV | PRCTILO |
| | Mobile LGMV | PLGMVW100 |

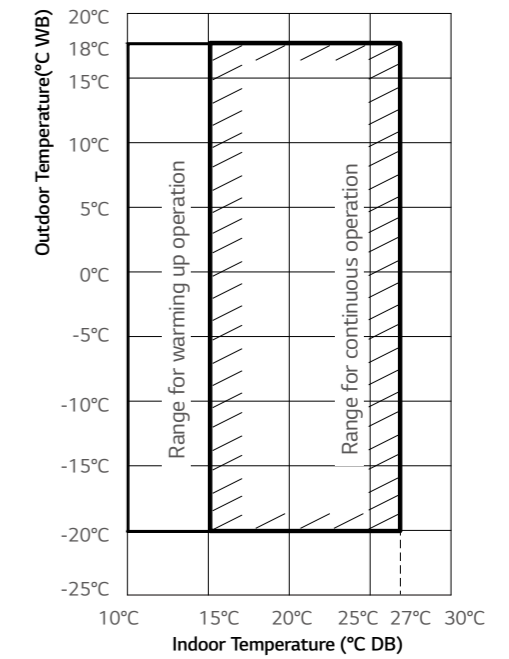
※ ○ : Applied, - : Not Applied

Heat Pump

Cooling



Heating

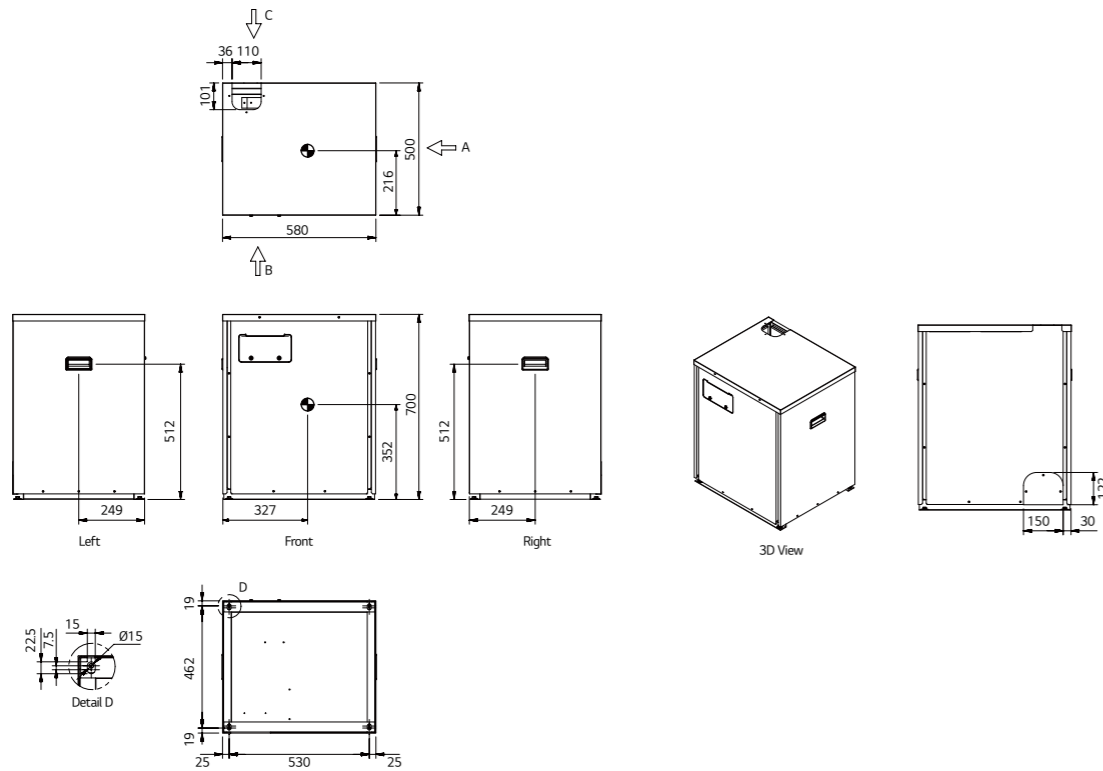


MULTI V MODULAR

Dimension

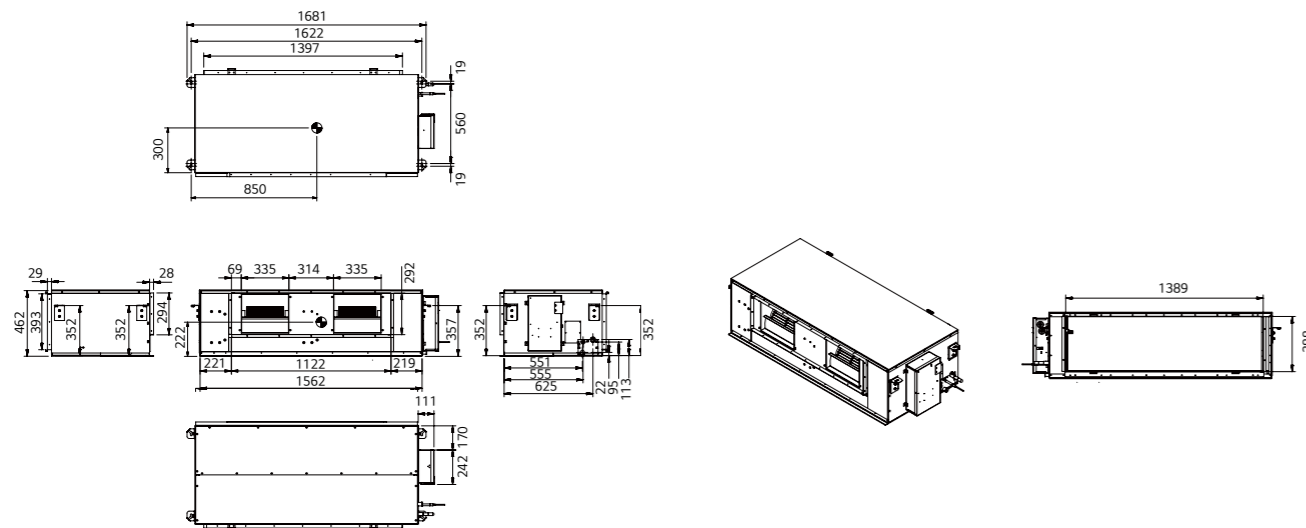
Compressor

[Unit : mm]



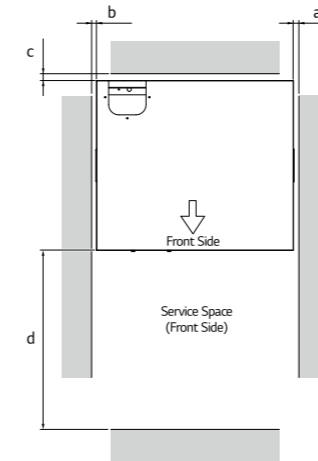
Heat Exchanger Module

[Unit : mm]

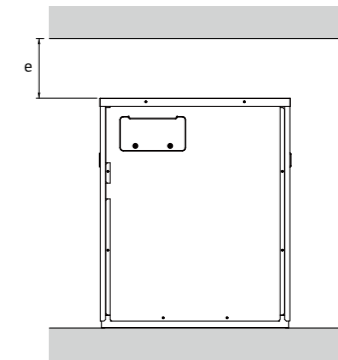


Installation Space for Compressor Module

Top View



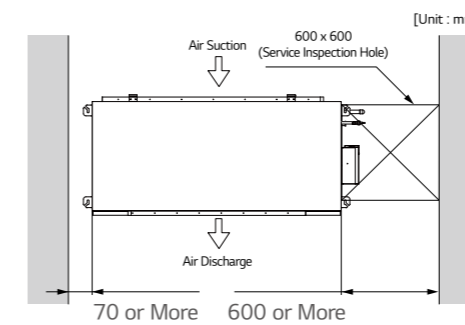
Front View



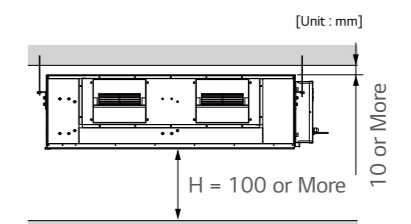
| Category | Mark | Description | Installation Space (mm) |
|-------------------|------|-------------|-------------------------|
| Compressor Module | a | Right | 10 or More |
| | b | Left | 10 or More |
| | c | Rear | 10 or More |
| | d | Front | 500 or More |
| | e | Top | 200 or More |

Installation Space for Heat exchanger Module

Top View



Front View



MULTI V MODULAR



※ Below spec can be revised until PDB distributed.

| HP | | | 5 | |
|--|------------------------------|----------------------|--|--|
| Model Name | Combination Unit | | Compressor Module | |
| Capacity ¹⁾ | Cooling (Rated) | kW | 14.0 | |
| | | kcal/h | 12,000 | |
| | Heating (Rated / Max.) | kW | 14.0 / 16.0 | |
| kcal/h | | 12,000 / 13,800 | | |
| Input (Rated) ¹⁾ | Cooling (Rated) | kW | 4.12 | |
| | Heating (Rated / Max.) | kW | 3.59 / 4.32 | |
| EER (Based on Rated capacity) | | | 3.40 | |
| COP (Based on Rated capacity) | | | 3.90 | |
| COP (Based on Max. capacity) | | | 3.70 | |
| Power Factor ²⁾ | Rated | - | 0.93 | |
| Casing Color | | | Morning Gray | |
| Heat Exchanger | | | - | |
| Compressor | Type | | Hermetic Motor Compressor | |
| | Piston Displacement | cm ³ /rev | 31.6 | |
| | Number of Revolution | rev/min | 3,600 | |
| | Motor Output | W | 3,200 | |
| | Starting Method | | DC Inverter Starting | |
| | Oil Type | | FVC68D(PVE) | |
| | Oil Charge | | 1,000 | |
| Fan | Type | | - | |
| | Motor Output x Number | W | - | |
| | Air Flow Rate (High) | m ³ /min | - | |
| | | ft ³ /min | - | |
| | Drive | | - | |
| External Static Pressure | Nominal (Rated, Factory Set) | mmAq(Pa) | - | |
| | Max. | mmAq(Pa) | - | |
| Pipe Connections | Liquid / Gas | mm(inch) | Ø 9.52(3/8) - IDU / Ø 15.88(5/8) - IDU | |
| Dimensions (W x H x D) | | mm | 580 x 700 x 500 | |
| | | inch | 22-27/32 x 27-9/16 x 19-11/16 | |
| Net Weight | | kg | 69 | |
| | | lbs | 152 | |
| Sound Pressure Level | Cooling / Heating | dB(A) | 45 / 45 | |
| | High pressure protection | - | High pressure sensor | |
| | Compressor / Fan | - | Over-heat protection | |
| Protection Devices | Inverter | - | Over-heat protection / Over-current protection | |
| | | | | |
| Communication Cable | No. x mm ² (VCTF) | | 2C x 1.0 - 1.5 | |
| Refrigerant | Refrigerant Name | | R410A | |
| | Precharged Amount | kg | 2.0 | |
| | | lbs | 4.4 | |
| | t-CO ₂ eq | | 4.2 | |
| Control | | - | | |
| Power Supply | V, Ø, Hz | | 380-415, 3, 50 | |
| Number of Maximum Connectable Indoor Units ³⁾ | | | 10 | |

- Note : 1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.
 - Refer to EUROVENT certification programme 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
 - Heat Exchanger Module - Compressor Module = 5m
 - Compressor Module - Indoor Unit = 7.5m
 3. The maximum combination ratio 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)



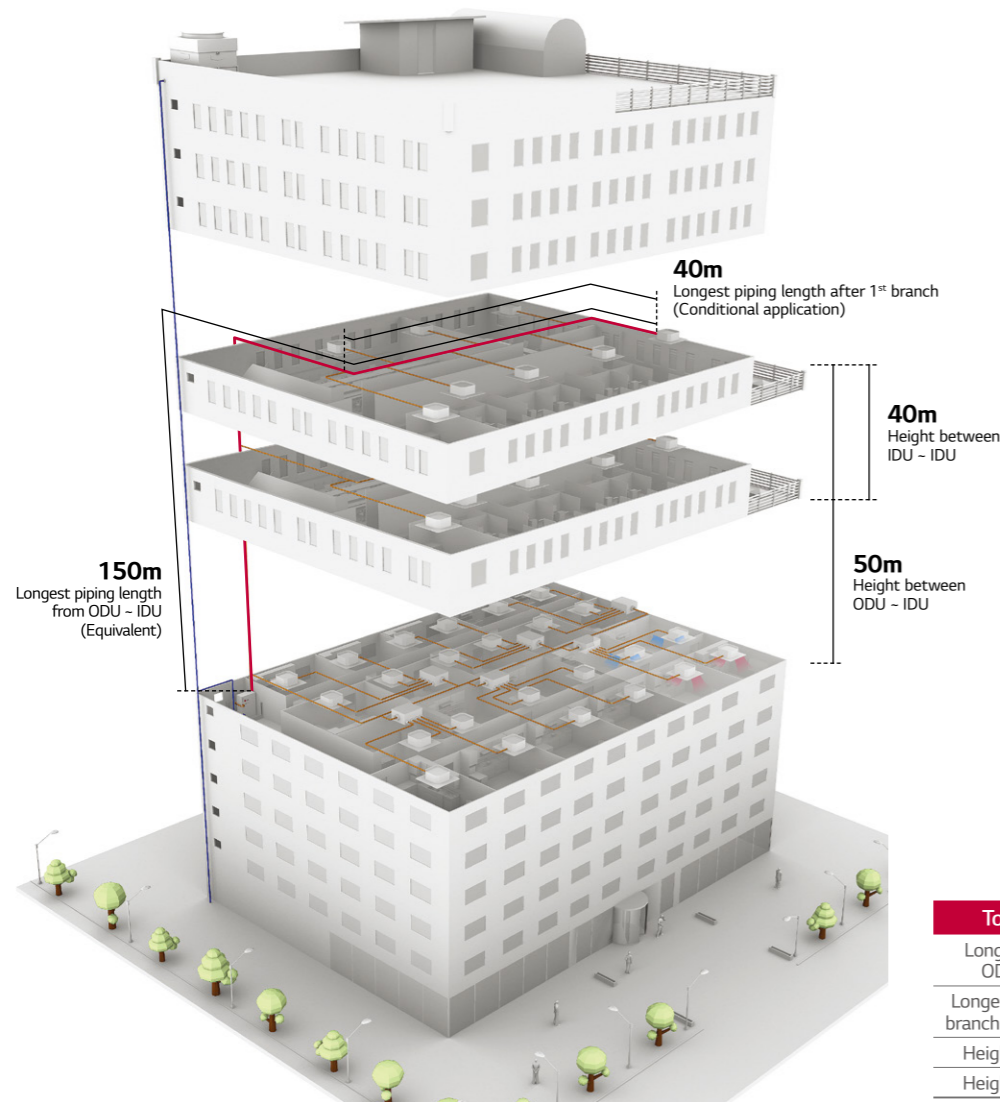
※ Below spec can be revised until PDB distributed.

| HP | | | 5 | |
|--|------------------------------|----------------------------|--|--|
| Model Name | Combination Unit | | Heat Exchanger Module | |
| Capacity ¹⁾ | Cooling (Rated) | kW | - | |
| | | kcal/h | - | |
| | Heating (Rated / Max.) | kW | - / - | |
| kcal/h | | - / - | | |
| Input (Rated) ¹⁾ | Cooling (Rated) | kW | - | |
| | Heating (Rated / Max.) | kW | - / - | |
| EER (Based on Rated capacity) | | | - | |
| COP (Based on Rated capacity) | | | - | |
| COP (Based on Max. capacity) | | | - | |
| Power Factor ²⁾ | Rated | - | - | |
| Casing Color | | | Galvanized Steel Plate | |
| Heat Exchanger | | | Ocean Black Fin (Wide Louver Plus) | |
| Compressor | Type | | - | |
| | Piston Displacement | cm ³ /rev | - | |
| | Number of Revolution | rev/min | - | |
| | Motor Output | W | - | |
| | Starting Method | | - | |
| | Oil Type | | - | |
| | Oil Charge | | - | |
| Fan | Type | | Sirocco Fan | |
| | Motor Output x Number | W | 400 x 2 | |
| | Air Flow Rate (High) | m ³ /min | 60 | |
| | | ft ³ /min | 2,119 | |
| | Drive | | Direct | |
| External Static Pressure | Nominal (Rated, Factory Set) | mmAq(Pa) | 3 (29) | |
| | Max. | mmAq(Pa) | 16 (157) | |
| Pipe Connections | Liquid / Gas | mm(inch) | Ø 12.7(1/2) - Comp. Module / Ø 19.05(3/4) - Comp. Module | |
| Dimensions (W x H x D) | | mm | 1,562 x 460 x 688 | |
| | | inch | 61-1/2 x 18-1/8 x 27-3/32 | |
| Net Weight | | kg | 84 | |
| | | lbs | 185 | |
| Sound Pressure Level | Cooling / Heating | dB(A) | 45 / 45 | |
| | High pressure protection | - | - | |
| | Compressor / Fan | - | Fan driver overload protector | |
| Protection Devices | Inverter | - | - | |
| | | | | |
| Communication Cable | No. x mm ² (VCTF) | | 2C x 1.0 - 1.5 | |
| Refrigerant | Refrigerant Name | | - | |
| | Precharged Amount | kg | - | |
| | | lbs | - | |
| | t-CO ₂ eq | | - | |
| Control | | Electronic Expansion Valve | | |
| Power Supply | V, Ø, Hz | | 1, 220-240, 50 | |
| Number of Maximum Connectable Indoor Units ³⁾ | | | - | |

- Note : 1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.
 - Refer to EUROVENT certification programme 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
 - Heat Exchanger Module - Compressor Module = 5m
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 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 WATER IV

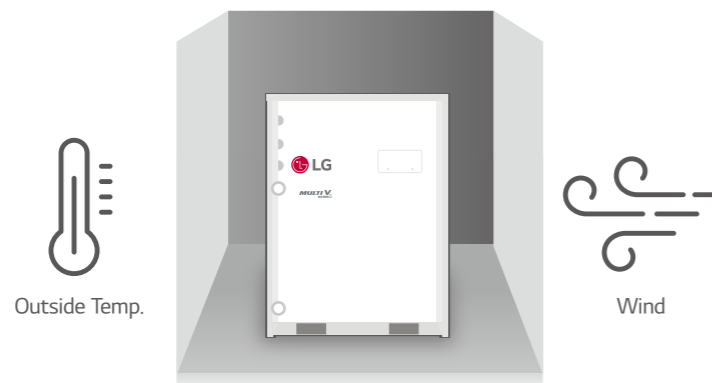
Piping Length



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

High Efficiency System Regardless of External Conditions

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

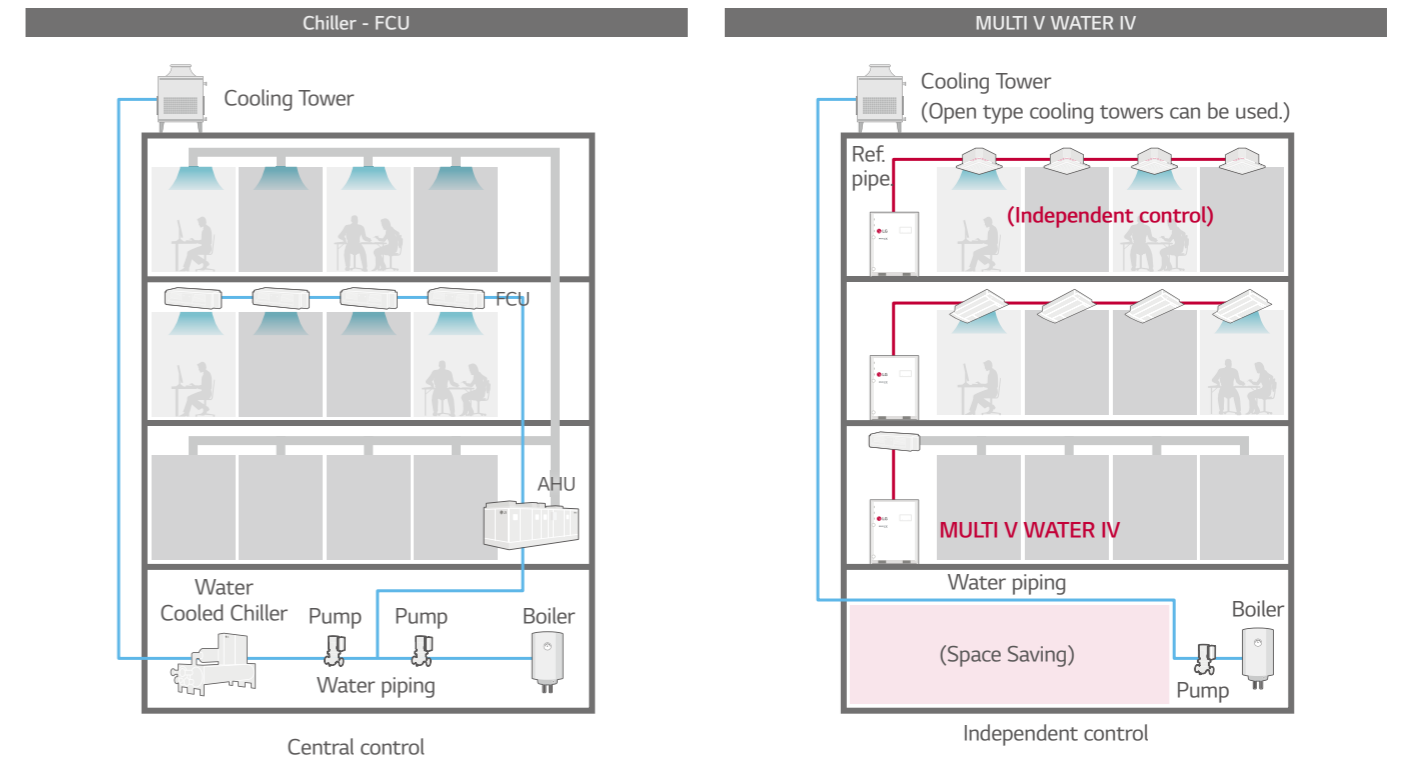
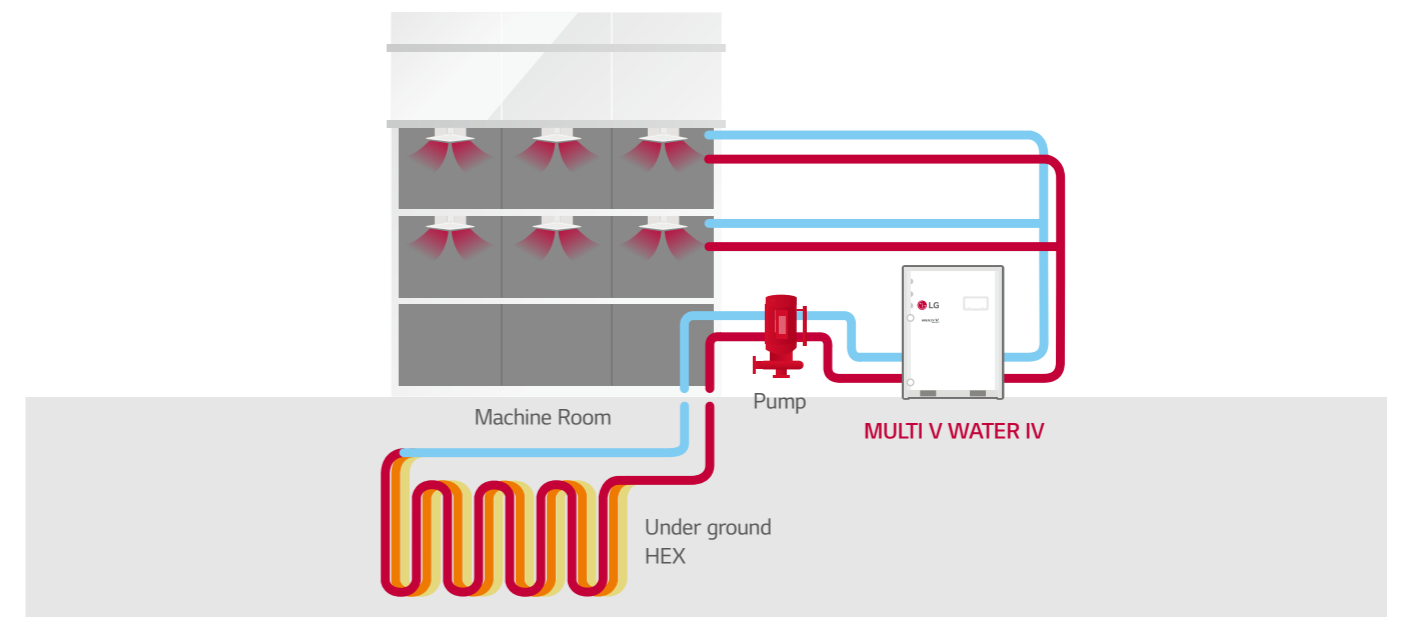


MULTI V WATER IV System for Geothermal Applications

Uses underground heat sources 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.

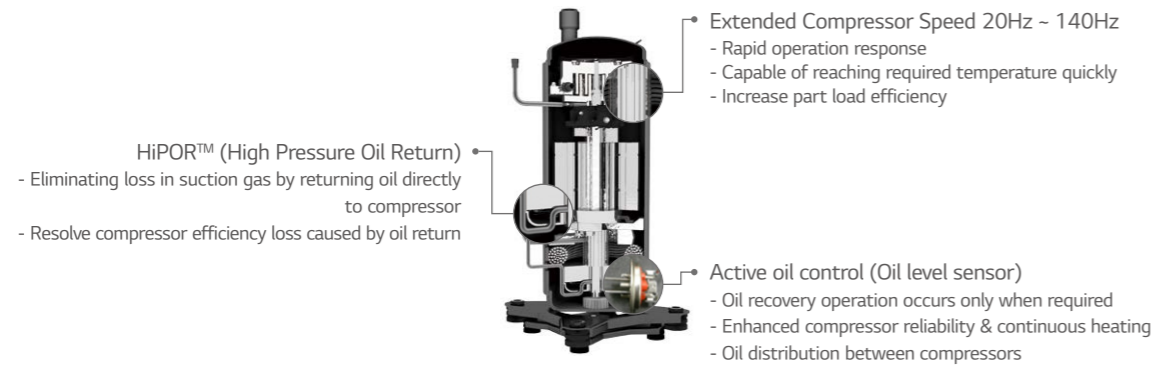


MULTI V WATER IV

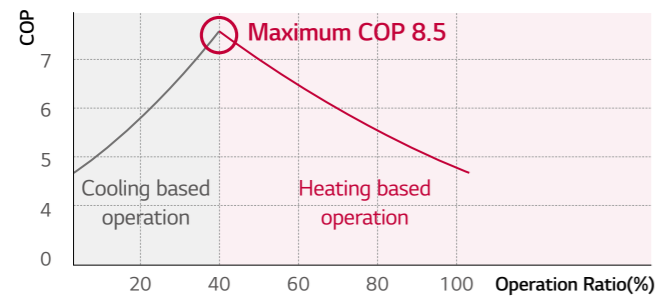
Economical, Highly Efficient System

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.

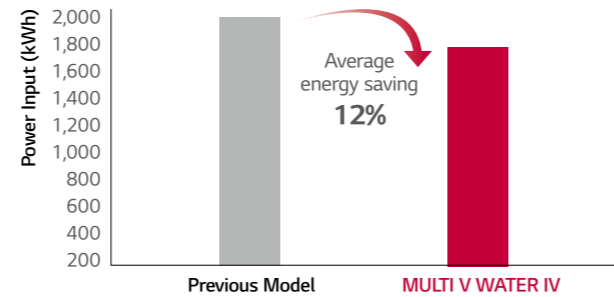


Maximum COP

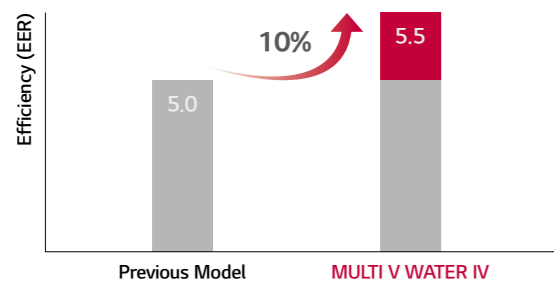


* Outside unit water inlet temperature : 7°C
 * Indoor temperature : 20°C DB / 15°C WB
 * Maximum COP Condition : Cooling 40% + Heating 60% operation

Economical, Highly Efficient System



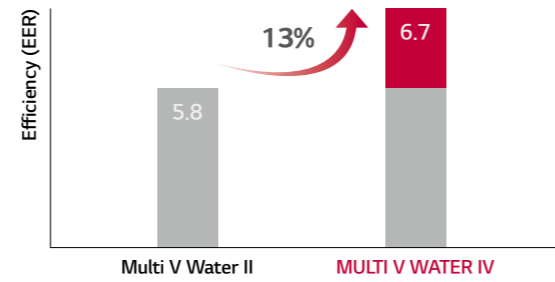
LG's 4th Generation Inverter Compressor



- 5% HEX Optimization
- 2% Cycle Composition Improvement
- 1% Inverter Control
- 1% Active Oil Control
- 1% HiPOR™

* Comparison between 10HP in cooling mode

Integrated Part Load Efficiency

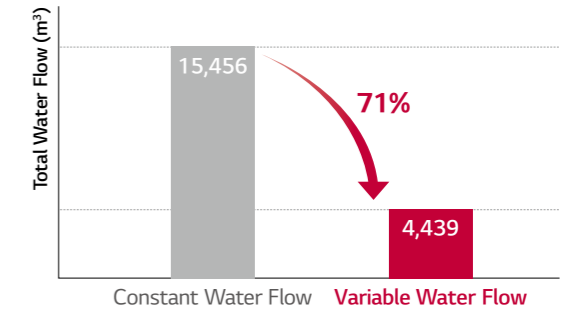
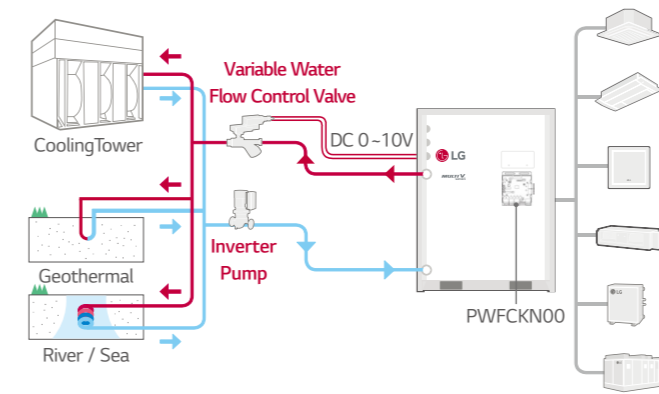


- 6% HEX Optimization
- 4% Cycle Composition Improvement
- 1% Inverter Control
- 1% Active Oil Control
- 1% HiPOR™

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 optimise water flow control regarding partial cooling or heating load conditions. Because of this it's also possible to reduce circulation pump energy consumption.

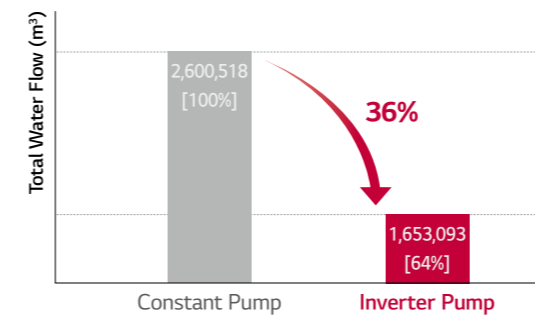


Note : 1. Location: Paris, France
 2. Office, 68,000m²
 3. Operation time: 1,344 hours (cooling period)

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

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

10 years energy cost (\$)



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

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

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 80HP(224kW) by combination.

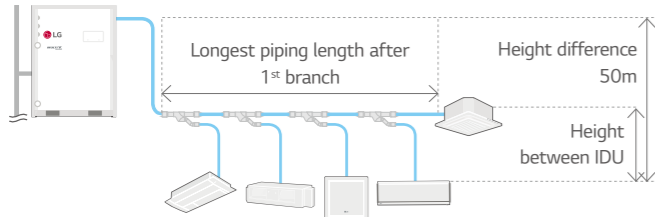
| HP | 8 | 10 | 14 | 20 | 22 | 24 | 28 | 30 | 34 | 40 | 42 ~ 60 | 62 ~ 80 |
|----|--------|----|------|----|---------|------|------|----|---------|-----|-----------|-----------|
| kW | 22.4 | 28 | 39.2 | 56 | 61.6 | 67.2 | 78.4 | 84 | 95.2 | 112 | 117.6-168 | 173.6-224 |
| LG | 1 Unit | | | | 2 Units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

MULTI V WATER IV

Longest Piping Length

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

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


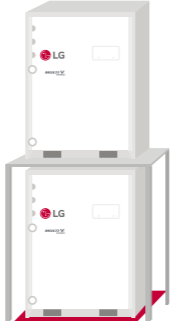


| | |
|--|-------------|
| Total piping length | 300m |
| Actual longest piping length (Equivalent) | 150m (175m) |
| Longest piping length after 1 st branch (Conditional application) | 40m (90m) |
| Height difference between ODU - IDU | 50m |
| Height difference between IDU - IDU | 40m |

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 50% savings in installation space.

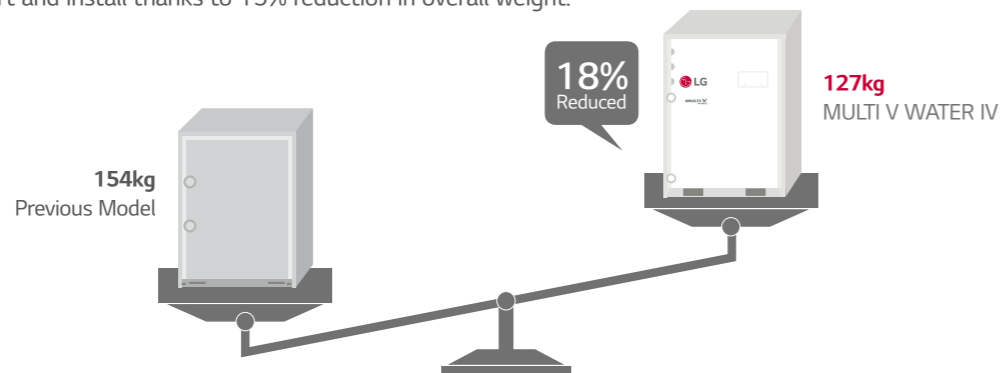
| | |
|---|---|
| Company B | MULTI V WATER IV |
|  <p>28kw x 4EA Per Each 880 x 550 mm</p> |  <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> 61% Reduced </div> <p>56kw x 2EA Per Each 755 x 500 mm</p> |

* 112kw, Floor area based

Light Weight

Nothing or Decrease additional load reinforcement work at building

Easier to transport and install thanks to 15% reduction in overall weight.



* Based on 28kw

Outside Unit Function

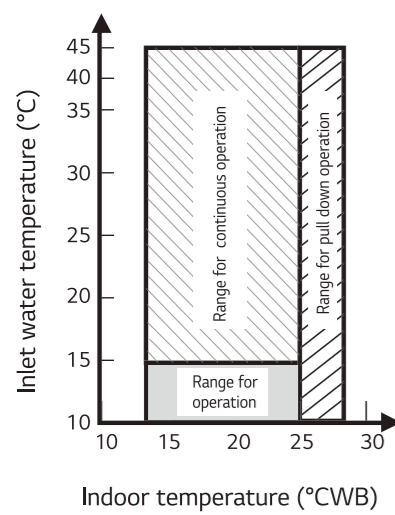
| Category | Functions | MULTI V WATER IV | |
|------------------------------------|--|---------------------------|------------|
| Key Refrigerant components | Variable Path of Outdoor Units HEX | - | |
| | HiPOR™ (High Pressure Oil Return) | ○ | |
| | Humidity Sensor | - | |
| | Anti Corrosion Black Fin | - | |
| | Oil Sensor | ○ | |
| Useful Function | Dual Sensing | - | |
| | Low Noise Operation | - | |
| | Hgh Static Mode of Outdoor Units Fan | - | |
| | Partial Defrosting | - | |
| | Auto Dust Cleaning of Outdoor Units (Fan reverse rotation) | - | |
| | Indoor Cooling Comfort Mode Based Outdoor Temperature | - | |
| | Smart Load Control (SLC) (Changing indoor discharge air temperature according to load) | - | |
| | Outdoor Units Control Refer to Humidity | - | |
| | Defrost / Deicing | - | |
| | High Pressure Switch | ○ | |
| Reliability | Phase Protection | ○ | |
| | Restart Delay (3-minutes) | ○ | |
| | Self Diagnosis | ○ | |
| | Soft Start | ○ | |
| | Test Run Function | ○ | |
| | Central Controller | AC Ez (Simple Controller) | PQCSZ250S0 |
| | | AC Ez Touch | PACEZA000 |
| AC Smart IV | | PACS4B000 | |
| AC Smart 5 | | PAC55A000 | |
| ACP (Advanced Control Platform) IV | | PQCPC22A0 | |
| ACP (Advanced Control Platform) 5 | | PACP5A000 | |
| AC Manager 5 | | PACM5A000 | |
| BNU (Building Network Unit) | ACP Lonworks | PLNWKB000 | |
| | ACP BACnet | PQNF817C0 | |
| Installation | Refrigerant Charging Kit | - | |
| | Variable Water Flow Valve Control Kit | PWFCKN000 | |
| PDI (Power Distribution Indicator) | Standard | PPWRDB000 | |
| | Premium | PQNUD1S40 | |
| Cool / Heat Selector | | PRDSBM | |
| Low Ambient Kit | | - | |
| IO Module (ODU Dry Contact) | | PVDSMN000 | |
| Cycle Monitoring Device | LGMV | PRCTILO | |
| | Mobile LGMV | PLGMWW100 | |

※ ○ : Applied, - : Not Applied

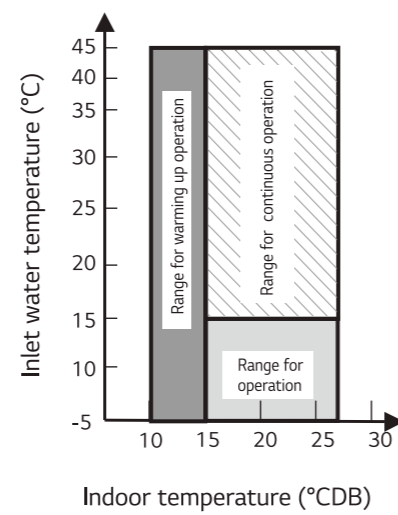
MULTI V WATER IV

Operation Limits

Cooling



Heating



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

Optional Accessories

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

Multi V Water IV heating dissipation value by model

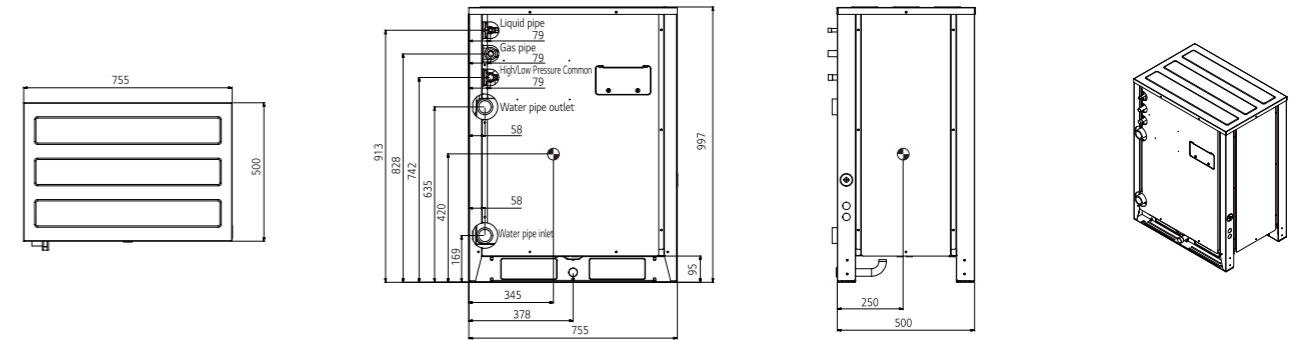
| Model | HP | Heating Dissipation Value | | |
|-------------|----|---------------------------|--------------|--------------|
| ARWN080LAS4 | 8 | 600 W | 515.9 kcal/h | 0.143 kcal/s |
| ARWN100LAS4 | 10 | 630 W | 541.7 kcal/h | 0.150 kcal/s |
| ARWN120LAS4 | 12 | 660 W | 567.5 kcal/h | 0.158 kcal/s |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

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

Dimension

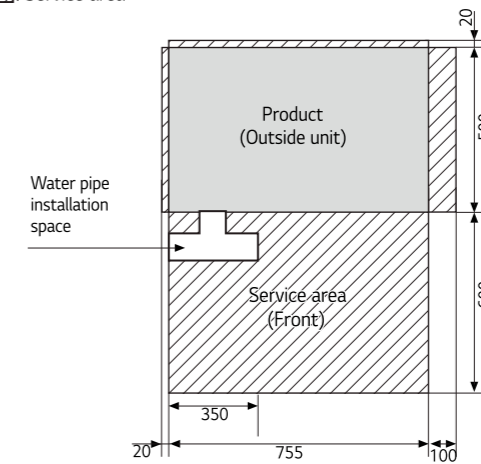
ARWN080LAS4 / ARWN100LAS4 / ARWN140LAS4 / ARWN200LAS4

[Unit : mm]

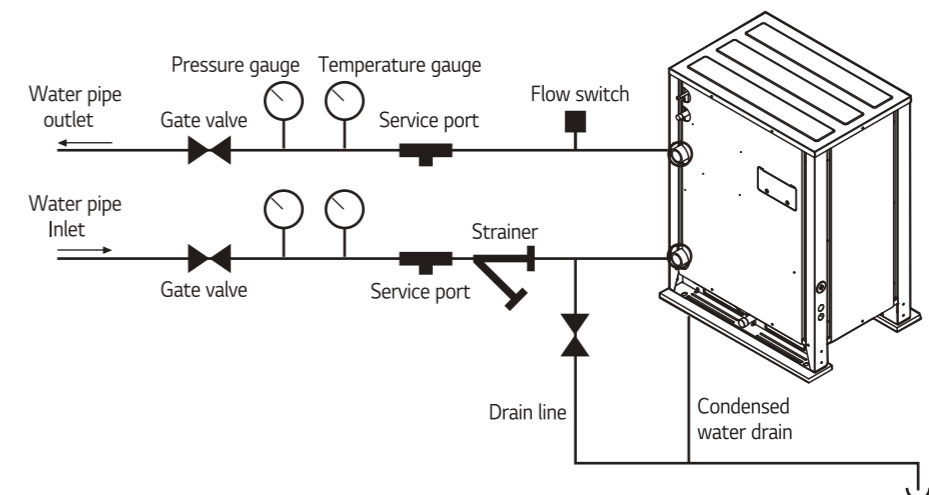


Individual Installation

Service area



Water Piping Installation



Precaution of Installation

1. Do not install the unit at the outdoors. (Otherwise it may cause fire, electric shock and trouble.) Recommended ambient temperature of outdoor unit is between 0–40°C
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')
5. The water pressure resistance of the water pipe system of this product is **1.98MPa**
6. Always install a **trap** so that the drained water does not back flush
7. Install a **pressure gauge and temperature gauge** at the inlet and outlet of the water pipe.
8. **Flexible joints** must be installed not to cause any leakage from the vibration of pipes.
9. Install a **service port** to clean the heat exchanger at the each end of the water inlet and outlet.
10. It is recommended to install the **flow switch** to the water collection pipe system connecting to the outdoor unit. (Flow switch acts as the 1st protection device when the heat water is not supplied.)
11. When setting the flow switch, it is recommended to use the product with default set value to satisfy the minimum flow rate of this product. (The minimum flow rate range of this product is **50%**.)
12. To protect the water cooling type product, you must install a **strainer with 50 mesh** or more on the heat water supply pipe. If not installed, it can result in damage of heat exchanger by the following situation.
 - 1) Heat water supply within the plate type heat exchanger is composed of multiple small paths.
 - 2) If you do not use a strainer with 50 mesh or more, alien particles can partially block the water paths.
 - 3) When running the heater, the plate type heat exchanger plays the role of the evaporator, and at this time, the temperature of the refrigerant side drops to drop the temperature of the heat water supply, which can result in icing point in the water paths.
 - 4) 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 refrigerant side and the heat water source side will be mixed to make the product unusable.

Bouygues Challenger

LG MULTI V Water Solution with Geothermal Application



Site Information

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

LG Solution

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

MULTI V WATER IV

HEAT PUMP

ARWN080LAS4 / ARWN100LAS4 / ARWN140LAS4 / ARWN200LAS4



| HP | | | 8 | 10 | 14 | 20 |
|------------------------------|-----------------------------|----------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Model Name | Combination Unit | | ARWN080LAS4 | ARWN100LAS4 | ARWN140LAS4 | ARWN200LAS4 |
| | Independent Unit | | ARWN080LAS4 | ARWN100LAS4 | ARWN140LAS4 | ARWN200LAS4 |
| Capacity | Cooling | kW | 22.4 | 28.0 | 39.2 | 56.0 |
| | Heating | kW | 25.2 | 31.5 | 44.1 | 63.0 |
| Input | Cooling | kW | 3.86 | 5.09 | 7.84 | 11.20 |
| | Heating | kW | 4.20 | 5.34 | 8.17 | 11.67 |
| Casing Color | | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Combination | | (Inverter) x 1 | (Inverter) x 1 | (Inverter) x 1 | (Inverter) x 1 |
| | Piston Displacement | cm ³ /rev | 43.8 | 43.8 | 43.8 | 62.1 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 4.2 | 4.2 | 4.2 | 5.3 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Oil Charge Amount | cc | 1 200 + 1 600 | 1 200 + 1 600 | 1 200 + 1 600 | 1 400 + 1 600 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Maximum Pressure Resistance | kgf/cm ² | 45 | 45 | 45 | 45 |
| | Head Loss | kPa | 10.7 | 15.8 | 28.6 | 30.1 |
| | Rated Water Flow | LPM | 77 | 96 | 135 | 192 |
| Temp. range of | Cooling | | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) |
| Circulation water | Heating | | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | 5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) |
| Refrigerant Connecting Pipes | Liquid Pipes | mm(inch) | 9.52(3/8) | 9.52(3/8) | 12.7(1/2) | 12.7(1/2) |
| | Gas Pipes | mm(inch) | 22.2(7/8) | 22.2(7/8) | 25.4(1) | 28.58(1-1/8) |
| Water Connecting Pipes | Inlet | mm | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) |
| | Outlet | mm | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | | (755 x 500 x 997) x 1 | (755 x 500 x 997) x 1 | (755 x 500 x 997) x 1 | (755 x 500 x 997) x 1 |
| | inch | | (29-23/32 x 39-1/4 x 19-11/16) x 1 | (29-23/32 x 39-1/4 x 19-11/16) x 1 | (29-23/32 x 39-1/4 x 19-11/16) x 1 | (29-23/32 x 39-1/4 x 19-11/16) x 1 |
| Net Weight | kg | | 127 x 1 | 127 x 1 | 127 x 1 | 140 x 1 |
| | lbs | | 280 x 1 | 280 x 1 | 280 x 1 | 309 x 1 |
| Transmission Cable (CVV-SB) | | 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 |
| Refrigerant | Name | | R410A | R410A | R412A | R410A |
| | Charge Amount | kg | 5.8 | 5.8 | 5.8 | 3.0 |
| | Control Device | | EEV | EEV | EEV | EEV |
| Power Supply | | ∅ / 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 |
| Sound Pressure Level | Cooling | dB(A) | 47 | 50 | 58 | 54 |
| | Heating | dB(A) | 51 | 53 | 57 | 60 |
| Sound Power Level | Cooling | dB(A) | 59 | 62 | 70 | 66 |
| | Heating | dB(A) | 63 | 65 | 69 | 72 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT PUMP

ARWN220LAS4 / ARWN240LAS4 / ARWN280LAS4 / ARWN300LAS4



| HP | | | 22 | 24 | 28 | 30 |
|------------------------------|-----------------------------|----------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Model Name | Combination Unit | | ARWN220LAS4 | ARWN240LAS4 | ARWN280LAS4 | ARWN300LAS4 |
| | Independent Unit | | ARWN140LAS4 ARWN080LAS4 | ARWN140LAS4 ARWN100LAS4 | ARWN140LAS4 ARWN140LAS4 | ARWN200LAS4 ARWN100LAS4 |
| Capacity | Cooling | kW | 61.6 | 67.2 | 78.4 | 84.0 |
| | Heating | kW | 69.3 | 75.6 | 88.2 | 94.5 |
| Input | Cooling | kW | 11.70 | 12.93 | 15.68 | 16.29 |
| | Heating | kW | 12.37 | 13.51 | 16.34 | 17.01 |
| Casing Color | | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Combination | | (Inverter) x 2 | (Inverter) x 2 | (Inverter) x 2 | (Inverter) x 2 |
| | Piston Displacement | cm ³ /rev | 43.8 + 43.8 | 43.8 + 43.8 | 43.8 + 43.8 | 62.1 + 43.8 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 4.2+4.2 | 4.2 + 4.2 | 4.2 + 4.2 | 5.3 + 4.2 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Oil Charge Amount | cc | (1 200 + 1 600) x 2 | (1 200 + 1 600) x 2 | (1 200 + 1 600) x 2 | (1 400 + 1 200) + 1 600 x 2 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Maximum Pressure Resistance | kgf/cm ² | 45 | 45 | 45 | 45 |
| | Head Loss | kPa | 28.6 + 10.7 | 28.6 + 15.8 | 28.6 + 28.6 | 30.1 + 15.8 |
| | Rated Water Flow | LPM | 135 + 77 | 135 + 96 | 135 + 135 | 192 + 96 |
| Temp. range of | Cooling | | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) |
| Circulation water | Heating | | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) |
| Refrigerant Connecting Pipes | Liquid Pipes | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| | Gas Pipes | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) |
| Water Connecting Pipes | Inlet | mm | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) |
| | Outlet | mm | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | | (755 x 997 x 500) x 2 | (755 x 997 x 500) x 2 | (755 x 997 x 500) x 2 | (755 x 997 x 500) x 2 |
| | inch | | (29-23/32 x 39-1/4 x 19-11/16) x 2 | (29-23/32 x 39-1/4 x 19-11/16) x 2 | (29-23/32 x 39-1/4 x 19-11/16) x 2 | (29-23/32 x 39-1/4 x 19-11/16) x 2 |
| Net Weight | kg | | 127 x 2 | 127 x 2 | 127 x 2 | (140 x 1) + (127 x 1) |
| | lbs | | 280 x 2 | 280 x 2 | 280 x 2 | (309 x 1) + (280 x 1) |
| Transmission Cable (CVV-SB) | | 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 |
| Refrigerant | Name | | R410A | R410A | R410A | R410A |
| | Charge Amount | kg | 5.8 + 5.8 | 5.8 + 5.8 | 5.8 + 5.8 | 3.0 + 5.8 |
| | Control Device | | EEV | EEV | EEV | EEV |
| Power Supply | | ∅ / 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 |
| Sound Pressure Level | Cooling | dB(A) | 58 | 59 | 59 | 55 |
| | Heating | dB(A) | 58 | 58 | 58 | 61 |
| Sound Power Level | Cooling | dB(A) | 71 | 72 | 72 | 68 |
| | Heating | dB(A) | 71 | 71 | 71 | 74 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER IV

HEAT PUMP

ARWN620LAS4 / ARWN640LAS4 / ARWN680LAS4



| HP | | | 62 | 64 | 68 |
|------------------------------|-----------------------------|--------------------------------------|--|--|--|
| Model Name | Combination Unit | | ARWN620LAS4 | ARWN640LAS4 | ARWN680LAS4 |
| | Independent Unit | | ARWN200LAS4 ARWN200LAS4 ARWN140LAS4 ARWN080LAS4 | ARWN200LAS4 ARWN200LAS4 ARWN140LAS4 ARWN100LAS4 | ARWN200LAS4 ARWN200LAS4 ARWN140LAS4 ARWN140LAS4 |
| Capacity | Cooling | kW | 173.6 | 179.2 | 190.4 |
| | Heating | kW | 195.3 | 201.6 | 214.2 |
| Input | Cooling | kW | 34.10 | 35.33 | 38.08 |
| | Heating | kW | 35.71 | 36.85 | 39.68 |
| Casing Color | | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Combination | | (Inverter) x 4 | (Inverter) x 4 | (Inverter) x 4 |
| | Piston Displacement | cm ³ /rev | 62.1 + 62.1 + 43.8 + 43.8 | 62.1 + 62.1 + 43.8 + 43.8 | 62.1 + 62.1 + 43.8 + 43.8 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 5.3 + 5.3 + 4.2 + 4.2 | 5.3 + 5.3 + 4.2 + 4.2 | 5.3 + 5.3 + 4.2 + 4.2 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC71D(PVE) |
| Oil Charge Amount | cc | (1 400 x 2 + 1200 x 2) + (1 600 x 4) | (1 400 x 2 + 1200 x 2) + (1 600 x 4) | (1 400 x 2 + 1200 x 2) + (1 600 x 4) | |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Maximum Pressure Resistance | kgf/cm ² | 45 | 45 | 45 |
| | Head Loss | kPa | 30.1 + 30.1 + 28.6 + 10.7 | 30.1 + 30.1 + 28.6 + 15.8 | 30.1 + 30.1 + 28.6 + 28.6 |
| | Rated Water Flow | LPM | 192 + 192 + 135 + 77 | 192 + 192 + 135 + 96 | 192 + 192 + 135 + 135 |
| Temp. range of | Cooling | | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 116°F) |
| Circulation water | Heating | | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 116°F) |
| Refrigerant Connecting Pipes | Liquid Pipes | mm(inch) | 19.05(3/4) | 19.05(3/4) | 22.2(7/8) |
| | Gas Pipes | mm(inch) | 41.3(1-5/8) | 41.3(1-5/8) | 53.98(2-1/8) |
| Water Connecting Pipes | Inlet | mm | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT 40 + PT 40 + PT 40 + PT40 |
| | Outlet | mm | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT 40 + PT 40 + PT 40 + PT40 |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | | (755 x 997 x 500) x 4 | (755 x 997 x 500) x 4 | (755 x 997 x 500) x 4 |
| | inch | | (29-23/32 x 39-1/4 x 19-11/16) x 4 | (29-23/32 x 39-1/4 x 19-11/16) x 4 | (29-23/32 x 39-1/4 x 19-11/16) x 4 |
| Net Weight | kg | | (140 x 2) + (127 X 2) | (140 x 2) + (127 X 2) | (140 x 2) + (127 X 2) |
| | lbs | | (309 x 2) + (280X2) | (309 x 2) + (280X2) | (309 x 2) + (280 X 2) |
| Transmission Cable (CVV-SB) | mm ² | | 1.0 - 1.5 x 2C | 1.0 - 1.5 x 2C | 1.0 - 1.5 x 5C |
| Refrigerant | Name | | R410A | R410A | R410A |
| | Charge Amount | kg | 5.8 + 5.8 + 3.0 + 3.0 | 5.8 + 5.8 + 3.0 + 3.0 | 5.8 + 5.8 + 3.0 + 3.0 |
| | Control Device | | EEV | EEV | EEV |
| Power Supply | ∅ / V / Hz | | 3 / 380 - 415 / 50 | 3 / 380 - 415 / 50 | 6 / 380 - 415 / 50 |
| | | | 3 / 380 / 60 | 3 / 380 / 60 | 6 / 380 / 60 |
| Sound Pressure Level | Cooling | dB(A) | 61 | 61 | 61 |
| | Heating | dB(A) | 64 | 64 | 63 |
| Sound Power Level | Cooling | dB(A) | 75 | 75 | 75 |
| | Heating | dB(A) | 79 | 79 | 77 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT PUMP

ARWN700LAS4 / ARWN740LAS4 / ARWN800LAS4



| HP | | | 70 | 74 | 80 |
|------------------------------|-----------------------------|-----------------------------------|--|--|--|
| Model Name | Combination Unit | | ARWN700LAS4 | ARWN740LAS4 | ARWN800LAS4 |
| | Independent Unit | | ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN100LAS4 | ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN140LAS4 | ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 |
| Capacity | Cooling | kW | 196.0 | 184.8 | 201.6 |
| | Heating | kW | 220.5 | 207.9 | 226.8 |
| Input | Cooling | kW | 38.69 | 35.53 | 38.76 |
| | Heating | kW | 40.35 | 37.14 | 40.52 |
| Casing Color | | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Combination | | (Inverter) x 4 | (Inverter) x 4 | (Inverter) x 4 |
| | Piston Displacement | cm ³ /rev | 62.1 + 62.1 + 62.1 + 43.8 | 62.1 + 62.1 + 62.1 + 43.8 | 62.1 + 62.1 + 62.1 + 62.1 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 5.3 + 5.3 + 5.3 + 4.2 | 5.3 + 5.3 + 5.3 + 4.2 | 5.3 + 5.3 + 5.3 + 5.3 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC71D(PVE) | FVC74D(PVE) | FVC77D(PVE) |
| Oil Charge Amount | cc | (1 400 x 3 + 1 200) + (1 600 x 4) | (1 400 x 3 + 1 200) + (1 600 x 4) | (1 400 + 1 600) x 4 | |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Maximum Pressure Resistance | kgf/cm ² | 45 | 45 | 45 |
| | Head Loss | kPa | 30.1 + 30.1 + 30.1 + 15.8 | 30.1 + 30.1 + 30.1 + 28.6 | 30.1 + 30.1 + 30.1 + 30.1 |
| | Rated Water Flow | LPM | 192 + 192 + 192 + 96 | 192 + 192 + 192 + 135 | 192 + 192 + 192 + 192 |
| Temp. range of | Cooling | | 10°C - 45°C(50°F - 116°F) | 10°C - 45°C(50°F - 119°F) | 10°C - 45°C(50°F - 122°F) |
| Circulation water | Heating | | -5°C - 45°C(23°F - 116°F) | -5°C - 45°C(23°F - 119°F) | -5°C - 45°C(23°F - 122°F) |
| Refrigerant Connecting Pipes | Liquid Pipes | mm(inch) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) |
| | Gas Pipes | mm(inch) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) |
| Water Connecting Pipes | Inlet | mm | PT 40 + PT 40 + PT 40 + PT40 | PT 40 + PT 40 + PT 40 + PT 40 | PT 40 + PT 40 + PT 40 + PT 40 |
| | Outlet | mm | PT 40 + PT 40 + PT 40 + PT40 | PT 40 + PT 40 + PT 40 + PT 40 | PT 40 + PT 40 + PT 40 + PT 40 |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | | (755 x 997 x 500) x 4 | (755 x 997 x 500) x 4 | (755 x 997 x 500) x 4 |
| | inch | | (29-23/32 x 39-1/4 x 19-11/16) x 4 | (29-23/32 x 39-1/4 x 19-11/16) x 4 | (29-23/32 x 39-1/4 x 19-11/16) x 4 |
| Net Weight | kg | | (140 x 2) + (127 X 2) | (140 x 3) + (127 x 1) | 140 x 4 |
| | lbs | | (309 x 2) + (280 X 2) | (309 x 3) + (280 x 1) | 309 x 4 |
| Transmission Cable (CVV-SB) | mm ² | | 1.0 - 1.5 x 5C | 1.0 - 1.5 x 8C | 1.0 - 1.5 x 11C |
| Refrigerant | Name | | R410A | R410A | R410A |
| | Charge Amount | kg | 5.8 + 5.8 + 3.0 + 3.0 | 3.0 + 3.0 + 3.0 + 5.8 | 3.0 + 3.0 + 3.0 + 3.0 |
| | Control Device | | EEV | EEV | EEV |
| Power Supply | ∅ / V / Hz | | 6 / 380 - 415 / 50 | 9 / 380 - 415 / 50 | 12 / 380 - 415 / 50 |
| | | | 6 / 380 / 60 | 9 / 380 / 60 | 12 / 380 / 60 |
| Sound Pressure Level | Cooling | dB(A) | 60 | 61 | 57 |
| | Heating | dB(A) | 65 | 63 | 63 |
| Sound Power Level | Cooling | dB(A) | 74 | 75 | 71 |
| | Heating | dB(A) | 80 | 77 | 77 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER IV

HEAT RECOVERY

ARWB080LAS4 / ARWB100LAS4 / ARWB140LAS4 / ARWB200LAS4



| HP | | | 8 | 10 | 14 | 20 |
|------------------------------|-----------------------------|----------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Model Name | Combination Unit | | ARWB080LAS4 | ARWB100LAS4 | ARWB140LAS4 | ARWB200LAS4 |
| | Independent Unit | | ARWB080LAS4 | ARWB100LAS4 | ARWB140LAS4 | ARWB200LAS4 |
| Capacity | Cooling | kW | 22.4 | 28.0 | 39.2 | 56.0 |
| | Heating | kW | 25.2 | 31.5 | 44.1 | 63.0 |
| Input | Cooling | kW | 3.86 | 5.09 | 7.84 | 11.20 |
| | Heating | kW | 4.20 | 5.34 | 8.17 | 11.67 |
| Casing Color | | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Combination | | (Inverter) x 1 | (Inverter) x 1 | (Inverter) x 1 | (Inverter) x 1 |
| | Piston Displacement | cm ³ /rev | 43.8 | 43.8 | 43.8 | 62.1 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 4.2 | 4.2 | 4.2 | 5.3 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Oil Charge Amount | cc | 1 200 + 1 600 | 1 200 + 1 600 | 1 200 + 1 600 | 1 400 + 1 600 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Maximum Pressure Resistance | kgf/cm ² | 45 | 45 | 45 | 45 |
| | Head Loss | kPa | 10.7 | 15.8 | 28.6 | 30.1 |
| | Rated Water Flow | LPM | 77 | 96 | 135 | 192 |
| Temp. range of | Cooling | | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) |
| Circulation water | Heating | | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | 5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) |
| Refrigerant Connecting Pipes | Liquid Pipes | mm(inch) | 9.52(3/8) | 9.52(3/8) | 12.7(1/2) | 12.7(1/2) |
| | Low Pressure Gas Pipes | mm(inch) | 22.2(7/8) | 22.2(7/8) | 25.4(1) | 28.58(1-1/8) |
| | High Pressure Gas Pipes | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| Water Connecting Pipes | Inlet | mm | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) |
| | Outlet | mm | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) | PT40 (1-1/2, Internal) |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | | (755 x 500 x 997) x 1 | (755 x 500 x 997) x 1 | (755 x 500 x 997) x 1 | (755 x 500 x 997) x 1 |
| | inch | | (29-23/32 x 39-1/4 x 19-11/16) x 1 | (29-23/32 x 39-1/4 x 19-11/16) x 1 | (29-23/32 x 39-1/4 x 19-11/16) x 1 | (29-23/32 x 39-1/4 x 19-11/16) x 1 |
| Net Weight | kg | | 127 x 1 | 127 x 1 | 127 x 1 | 140 x 1 |
| | lbs | | 280 x 1 | 280 x 1 | 280 x 1 | 309 x 1 |
| Transmission Cable (CVV-SB) | 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 |
| Refrigerant | Name | | R410A | R410A | R412A | R410A |
| | Charge Amount | kg | 5.8 | 5.8 | 5.8 | 3.0 |
| | Control Device | | EEV | EEV | EEV | EEV |
| 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 |
| Sound Pressure Level | Cooling | dB(A) | 47 | 50 | 58 | 54 |
| | Heating | dB(A) | 51 | 53 | 57 | 60 |
| Sound Power Level | Cooling | dB(A) | 59 | 62 | 70 | 66 |
| | Heating | dB(A) | 63 | 65 | 69 | 72 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT RECOVERY

ARWB220LAS4 / ARWB240LAS4 / ARWB280LAS4 / ARWB300LAS4



| HP | | | 22 | 24 | 28 | 30 |
|------------------------------|-----------------------------|----------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Model Name | Combination Unit | | ARWB220LAS4 | ARWB240LAS4 | ARWB280LAS4 | ARWB300LAS4 |
| | Independent Unit | | ARWB140LAS4 ARWB080LAS4 | ARWB140LAS4 ARWB100LAS4 | ARWB140LAS4 ARWB140LAS4 | ARWB200LAS4 ARWB100LAS4 |
| Capacity | Cooling | kW | 61.6 | 67.2 | 78.4 | 84.0 |
| | Heating | kW | 69.3 | 75.6 | 88.2 | 94.5 |
| Input | Cooling | kW | 11.70 | 12.93 | 15.68 | 16.29 |
| | Heating | kW | 12.37 | 13.51 | 16.34 | 17.01 |
| Casing Color | | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Combination | | (Inverter) x 2 | (Inverter) x 2 | (Inverter) x 2 | (Inverter) x 2 |
| | Piston Displacement | cm ³ /rev | 43.8 + 43.8 | 43.8 + 43.8 | 43.8 + 43.8 | 62.1 + 43.8 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 4.2+4.2 | 4.2 + 4.2 | 4.2 + 4.2 | 5.3 + 4.2 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Oil Charge Amount | cc | (1 200 + 1 600) x 2 | (1 200 + 1 600) x 2 | (1 200 + 1 600) x 2 | (1 400 + 1 200) + 1 600 x 2 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Maximum Pressure Resistance | kgf/cm ² | 45 | 45 | 45 | 45 |
| | Head Loss | kPa | 28.6 + 10.7 | 28.6 + 15.8 | 28.6 + 28.6 | 30.1 + 15.8 |
| | Rated Water Flow | LPM | 135 + 77 | 135 + 96 | 135 + 135 | 192 + 96 |
| Temp. range of | Cooling | | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) |
| Circulation water | Heating | | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) |
| Refrigerant Connecting Pipes | Liquid Pipes | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| | Low Pressure Gas Pipes | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) |
| | High Pressure Gas Pipes | mm(inch) | 28.58(1-1/8) | 28.58(1-1/8) | 28.58(1-1/8) | 28.58(1-1/8) |
| Water Connecting Pipes | Inlet | mm | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) |
| | Outlet | mm | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | | (755 x 997 x 500) x 2 | (755 x 997 x 500) x 2 | (755 x 997 x 500) x 2 | (755 x 997 x 500) x 2 |
| | inch | | (29-23/32 x 39-1/4 x 19-11/16) x 2 | (29-23/32 x 39-1/4 x 19-11/16) x 2 | (29-23/32 x 39-1/4 x 19-11/16) x 2 | (29-23/32 x 39-1/4 x 19-11/16) x 2 |
| Net Weight | kg | | 127 x 2 | 127 x 2 | 127 x 2 | (140 x 1) + (127 x 1) |
| | lbs | | 280 x 2 | 280 x 2 | 280 x 2 | (309 x 1) + (280 x 1) |
| Transmission Cable (CVV-SB) | 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 |
| Refrigerant | Name | | R410A | R410A | R410A | R410A |
| | Charge Amount | kg | 5.8 + 5.8 | 5.8 + 5.8 | 5.8 + 5.8 | 3.0 + 5.8 |
| | Control Device | | EEV | EEV | EEV | EEV |
| 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 |
| Sound Pressure Level | Cooling | dB(A) | 58 | 59 | 59 | 55 |
| | Heating | dB(A) | 58 | 58 | 58 | 61 |
| Sound Power Level | Cooling | dB(A) | 71 | 72 | 72 | 68 |
| | Heating | dB(A) | 71 | 71 | 71 | 74 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER IV

HEAT RECOVERY

ARWB340LAS4 / ARWB400LAS4 / ARWB420LAS4 / ARWB440LAS4



| HP | | | 34 | 40 | 42 | 44 |
|-----------------------------|-------------------------|----------------------|------------------------------------|------------------------------------|---|---|
| Model Name | Combination Unit | | ARWB340LAS4 | ARWB400LAS4 | ARWB420LAS4 | ARWB440LAS4 |
| | Independent Unit | | ARWB200LAS4 ARWB140LAS4 | ARWB200LAS4 ARWB200LAS4 | ARWB200LAS4 ARWB140LAS4 ARWB080LAS4 | ARWB200LAS4 ARWB140LAS4 ARWB100LAS4 |
| Capacity | Cooling | kW | 95.2 | 112.0 | 117.6 | 123.2 |
| | Heating | kW | 107.1 | 126.0 | 132.3 | 138.6 |
| Input | Cooling | kW | 19.04 | 22.40 | 22.90 | 24.13 |
| | Heating | kW | 19.84 | 23.34 | 24.04 | 25.18 |
| Casing Color | | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Combination | | (Inverter) x 2 | (Inverter) x 2 | (Inverter) x 3 | (Inverter) x 3 |
| | Piston Displacement | cm ³ /rev | 43.8 + 62.1 | 62.1 + 62.1 | 62.1 + 43.8 + 43.8 | 62.1 + 43.8 + 43.8 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 4.2 + 5.3 | 5.3 + 5.3 | 5.3 + 4.2 + 4.2 | 5.3 + 4.2 + 4.2 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Oil Charge Amount | cc | (1 400 + 1 200) + 1 600 x 2 | (1 400 + 1 600) x 2 | (1 400 + 1 200 + 1 200) + 1 600 x 3 | (1 400 + 1 200 + 1 200) + 1 600 x 3 |
| | Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| Maximum Pressure Resistance | | kgf/cm ² | 45 | 45 | 45 | 45 |
| Head Loss | | kPa | 30.1 + 28.6 | 30.1 + 30.1 | 30.1 + 28.6 + 10.7 | 30.1 + 28.6 + 15.8 |
| Rated Water Flow | | LPM | 192 + 135 | 192 + 192 | 192 + 135 + 77 | 192 + 135 + 96 |
| Temp. range of | Cooling | | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) |
| | Heating | | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) |
| Circulation water | Liquid Pipes | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| | Low Pressure Gas Pipes | mm(inch) | 34.9(1-3/8) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| | High Pressure Gas Pipes | mm(inch) | 28.58(1-1/8) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) |
| Water Connecting Pipes | Inlet | mm | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) |
| | Outlet | mm | PT40 + PT40 (Internal) | PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | | (755 x 997 x 500) x 2 | (755 x 997 x 500) x 2 | (755 x 997 x 500) x 3 | (755 x 997 x 500) x 3 |
| | inch | | (29-23/32 x 39-1/4 x 19-11/16) x 2 | (29-23/32 x 39-1/4 x 19-11/16) x 2 | (29-23/32 x 39-1/4 x 19-11/16) x 3 | (29-23/32 x 39-1/4 x 19-11/16) x 3 |
| Net Weight | kg | | (140 x 1) + (127 x 1) | 140 x 2 | (140 x 1) + (127 X 2) | (140 x 1) + (127 X 2) |
| | lbs | | (309 x 1) + (280 x 1) | 309 x 2 | (309 x 1) + (280 X 2) | (309 x 1) + (280 X 2) |
| Transmission Cable (CVV-SB) | 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 |
| Refrigerant | Name | | R410A | R410A | R410A | R410A |
| | Charge Amount | kg | 3.0 + 5.8 | 3.0 + 3.0 | 3.0 + 5.8 + 5.8 | 3.0 + 5.8 + 5.8 |
| | Control Device | | EEV | EEV | EEV | EEV |
| Power Supply | ∅ / 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 |
| Sound Pressure Level | Cooling | dB(A) | 59 | 55 | 60 | 60 |
| | Heating | dB(A) | 61 | 61 | 62 | 62 |
| Sound Power Level | Cooling | dB(A) | 72 | 68 | 73 | 74 |
| | Heating | dB(A) | 74 | 74 | 76 | 76 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT RECOVERY

ARWB480LAS4 / ARWB500LAS4 / ARWB540LAS4 / ARWB600LAS4



| HP | | | 48 | 50 | 54 | 60 |
|-----------------------------|-------------------------|----------------------|---|---|---|---|
| Model Name | Combination Unit | | ARWB480LAS4 | ARWB500LAS4 | ARWB540LAS4 | ARWB600LAS4 |
| | Independent Unit | | ARWB200LAS4 ARWB140LAS4 ARWB140LAS4 | ARWB200DAS4 ARWB200DAS4 ARWB100DAS4 | ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 | ARWB200LAS4 ARWB200LAS4 ARWB200LAS4 |
| Capacity | Cooling | kW | 134.4 | 140.0 | 151.2 | 168.0 |
| | Heating | kW | 151.2 | 157.5 | 170.1 | 189.0 |
| Input | Cooling | kW | 26.88 | 27.49 | 30.24 | 33.60 |
| | Heating | kW | 28.01 | 28.68 | 31.51 | 35.01 |
| Casing Color | | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Combination | | (Inverter) x 3 | (Inverter) x 3 | (Inverter) x 3 | (Inverter) x 3 |
| | Piston Displacement | cm ³ /rev | 62.1 + 43.8 + 43.8 | 62.1 + 62.1 + 43.8 | 62.1 + 62.1 + 43.8 | 62.1 + 62.1 + 62.1 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 5.3 + 4.2 + 4.2 | 5.3 + 5.3 + 4.2 | 5.3 + 5.3 + 4.2 | 5.3 + 5.3 + 5.3 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) | FVC68D(PVE) |
| | Oil Charge Amount | cc | (1 400 + 1 200 + 1 200) + 1 600 x 3 | (1 400 + 1 400 + 1 200) + 1 600 x 3 | (1 400 + 1 400 + 1 200) + 1 600 x 3 | (1 400 + 1 600) x 3 |
| | Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| Maximum Pressure Resistance | | kgf/cm ² | 45 | 45 | 45 | 45 |
| Head Loss | | kPa | 30.1 + 28.6 + 28.6 | 30.1 + 30.1 + 15.8 | 30.1 + 28.6 + 28.6 | 30.1 + 30.1 + 30.1 |
| Rated Water Flow | | LPM | 192 + 135 + 135 | 192 + 192 + 96 | 192 + 192 + 135 | 192 + 192 + 192 |
| Temp. range of | Cooling | | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) |
| | Heating | | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) |
| Circulation water | Liquid Pipes | mm(inch) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) | 19.05(3/4) |
| | Low Pressure Gas Pipes | mm(inch) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| | High Pressure Gas Pipes | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) | 34.9(1-3/8) |
| Water Connecting Pipes | Inlet | mm | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) |
| | Outlet | mm | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | | (755 x 997 x 500) x 3 | (755 x 997 x 500) x 3 | (755 x 997 x 500) x 3 | (755 x 997 x 500) x 3 |
| | inch | | (29-23/32 x 39-1/4 x 19-11/16) x 3 | (29-23/32 x 39-1/4 x 19-11/16) x 3 | (29-23/32 x 39-1/4 x 19-11/16) x 3 | (29-23/32 x 39-1/4 x 19-11/16) x 3 |
| Net Weight | kg | | (140 x 1) + (127 X 2) | (140 x 2) + (127 X 1) | (140 x 2) + (127 X 1) | 140 x 3 |
| | lbs | | (309 x 1) + (280 X 2) | (309 x 2) + (280X1) | (309 x 2) + (280X1) | 309 x 3 |
| Transmission Cable (CVV-SB) | 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 |
| Refrigerant | Name | | R410A | R410A | R410A | R410A |
| | Charge Amount | kg | 3.0 + 5.8 + 5.8 | 3.0 + 3.0 + 5.8 | 3.0 + 3.0 + 5.8 | 3.0 + 3.0 + 3.0 |
| | Control Device | | EEV | EEV | EEV | EEV |
| Power Supply | ∅ / 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 |
| Sound Pressure Level | Cooling | dB(A) | 60 | 58 | 60 | 56 |
| | Heating | dB(A) | 62 | 63 | 62 | 62 |
| Sound Power Level | Cooling | dB(A) | 74 | 72 | 74 | 70 |
| | Heating | dB(A) | 76 | 77 | 76 | 76 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V WATER IV

HEAT RECOVERY

ARWB620LAS4 / ARWB640LAS4 / ARWB680LAS4



| HP | | 62 | 64 | 68 | |
|------------------------------|-------------------------|--|--|--|---------------------------------------|
| Model Name | Combination Unit | ARWB620LAS4 | ARWB640LAS4 | ARWB680LAS4 | |
| | Independent Unit | ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 ARWB080LAS4 | ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 ARWB100LAS4 | ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 ARWB140LAS4 | |
| Capacity | Cooling | 173.6 | 179.2 | 190.4 | |
| | Heating | 195.3 | 201.6 | 214.2 | |
| Input | Cooling | 34.10 | 35.33 | 38.08 | |
| | Heating | 35.71 | 36.85 | 39.68 | |
| Casing Color | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | |
| Compressor | Type | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | |
| | Combination | (Inverter) x 4 | (Inverter) x 4 | (Inverter) x 4 | |
| | Piston Displacement | cm ³ /rev | 62.1 + 62.1 + 43.8 + 43.8 | 62.1 + 62.1 + 43.8 + 43.8 | 62.1 + 62.1 + 43.8 + 43.8 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 5.3 + 5.3 + 4.2 + 4.2 | 5.3 + 5.3 + 4.2 + 4.2 | 5.3 + 5.3 + 4.2 + 4.2 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC68D(PVE) | FVC68D(PVE) | FVC71D(PVE) |
| | Oil Charge Amount | cc | (1 400 x 2 + 1 200 x 2) + (1 600 x 4) | (1 400 x 2 + 1 200 x 2) + (1 600 x 4) | (1 400 x 2 + 1 200 x 2) + (1 600 x 4) |
| | Heat Exchanger | Type | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| Maximum Pressure Resistance | | kgf/cm ² | 45 | 45 | |
| Head Loss | | kPa | 30.1 + 30.1 + 28.6 + 10.7 | 30.1 + 30.1 + 28.6 + 15.8 | 30.1 + 30.1 + 28.6 + 28.6 |
| Rated Water Flow | | LPM | 192 + 192 + 135 + 77 | 192 + 192 + 135 + 96 | 192 + 192 + 135 + 135 |
| Temp. range of | Cooling | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 113°F) | 10°C - 45°C(50°F - 116°F) | |
| | Heating | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 113°F) | -5°C - 45°C(23°F - 116°F) | |
| Refrigerant Connecting Pipes | Liquid Pipes | mm(inch) | 19.05(3/4) | 19.05(3/4) | 22.2(7/8) |
| | Low Pressure Gas Pipes | mm(inch) | 41.3(1-5/8) | 41.3(1-5/8) | 53.98(2-1/8) |
| | High Pressure Gas Pipes | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 44.5(1-3/4) |
| Water Connecting Pipes | Inlet | mm | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT 40 + PT 40 + PT 40 + PT40 |
| | Outlet | mm | PT40 + PT40 + PT40 (Internal) | PT40 + PT40 + PT40 (Internal) | PT 40 + PT 40 + PT 40 + PT40 |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | (755 x 997 x 500) x 4 | (755 x 997 x 500) x 4 | (755 x 997 x 500) x 4 | |
| | inch | (29-23/32 x 39-1/4 x 19-11/16) x 4 | (29-23/32 x 39-1/4 x 19-11/16) x 4 | (29-23/32 x 39-1/4 x 19-11/16) x 4 | |
| Net Weight | kg | (140 x 2) + (127 X 2) | (140 x 2) + (127 X 2) | (140 x 2) + (127 X 2) | |
| | lbs | (309 x 2) + (280X2) | (309 x 2) + (280X2) | (309 x 2) + (280 X 2) | |
| Transmission Cable (CVV-SB) | mm ² | 1.0 - 1.5 x 2C | 1.0 - 1.5 x 2C | 1.0 - 1.5 x 5C | |
| Refrigerant | Name | | R410A | R410A | |
| | Charge Amount | kg | 5.8 + 5.8 + 3.0 + 3.0 | 5.8 + 5.8 + 3.0 + 3.0 | 5.8 + 5.8 + 3.0 + 3.0 |
| | Control Device | | EEV | EEV | EEV |
| Power Supply | | Ø / V / Hz | 3 / 380 - 415 / 50 | 3 / 380 - 415 / 50 | 6 / 380 - 415 / 50 |
| | | | 3 / 380 / 60 | 3 / 380 / 60 | 6 / 380 / 60 |
| Sound Pressure Level | Cooling | dB(A) | 61 | 61 | 61 |
| | Heating | dB(A) | 64 | 64 | 63 |
| Sound Power Level | Cooling | dB(A) | 75 | 75 | 75 |
| | Heating | dB(A) | 79 | 79 | 77 |

* This product contains Fluorinated Greenhouse Gases. (R410A)
 Note : 1. Capacities and Inputs 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), Interconnecting piping length 7.5m, Level difference of zero
 - Heating : Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HEAT RECOVERY

ARWB700LAS4 / ARWB740LAS4 / ARWB800LAS4



| HP | | 70 | 74 | 80 | |
|------------------------------|-------------------------|--|--|--|-------------------------------|
| Model Name | Combination Unit | ARWB700LAS4 | ARWB740LAS4 | ARWB800LAS4 | |
| | Independent Unit | ARWB200LAS4 ARWB200LAS4 ARWB200LAS4 ARWB100LAS4 | ARWB200LAS4 ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 | ARWB200LAS4 ARWB200LAS4 ARWB200LAS4 ARWB200LAS4 | |
| Capacity | Cooling | 196.0 | 184.8 | 201.6 | |
| | Heating | 220.5 | 207.9 | 226.8 | |
| Input | Cooling | 38.69 | 35.53 | 38.76 | |
| | Heating | 40.35 | 37.14 | 40.52 | |
| Casing Color | | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | Warm Gray , Mornig Gray | |
| Compressor | Type | Hermetically Sealed Scroll | Hermetically Sealed Scroll | Hermetically Sealed Scroll | |
| | Combination | (Inverter) x 4 | (Inverter) x 4 | (Inverter) x 4 | |
| | Piston Displacement | cm ³ /rev | 62.1 + 62.1 + 62.1 + 43.8 | 62.1 + 62.1 + 62.1 + 43.8 | 62.1 + 62.1 + 62.1 + 62.1 |
| | Number of revolution | rev/min | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz | Inverter 3,600 at 60Hz |
| | Motor Output | kW | 5.3 + 5.3 + 5.3 + 4.2 | 5.3 + 5.3 + 5.3 + 4.2 | 5.3 + 5.3 + 5.3 + 5.3 |
| | Starting Method | | Direct On Line | Direct On Line | Direct On Line |
| | Oil Type | | FVC71D(PVE) | FVC74D(PVE) | FVC77D(PVE) |
| | Oil Charge Amount | cc | (1 400 x 3 + 1 200) + (1 600 x 4) | (1 400 x 3 + 1 200) + (1 600 x 4) | (1 400 + 1 600) x 4 |
| | Heat Exchanger | Type | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| Maximum Pressure Resistance | | kgf/cm ² | 45 | 45 | |
| Head Loss | | kPa | 30.1 + 30.1 + 30.1 + 15.8 | 30.1 + 30.1 + 30.1 + 28.6 | 30.1 + 30.1 + 30.1 + 30.1 |
| Rated Water Flow | | LPM | 192 + 192 + 192 + 96 | 192 + 192 + 192 + 135 | 192 + 192 + 192 + 192 |
| Temp. range of | Cooling | 10°C - 45°C(50°F - 116°F) | 10°C - 45°C(50°F - 119°F) | 10°C - 45°C(50°F - 122°F) | |
| | Heating | -5°C - 45°C(23°F - 116°F) | -5°C - 45°C(23°F - 119°F) | -5°C - 45°C(23°F - 122°F) | |
| Refrigerant Connecting Pipes | Liquid Pipes | mm(inch) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) |
| | Low Pressure Gas Pipes | mm(inch) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) |
| | High Pressure Gas Pipes | mm(inch) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) |
| Water Connecting Pipes | Inlet | mm | PT 40 + PT 40 + PT 40 + PT40 | PT 40 + PT 40 + PT 40 + PT 40 | PT 40 + PT 40 + PT 40 + PT 40 |
| | Outlet | mm | PT 40 + PT 40 + PT 40 + PT40 | PT 40 + PT 40 + PT 40 + PT 40 | PT 40 + PT 40 + PT 40 + PT 40 |
| | Drain Outlet | mm | PT20 (3/4, External) | PT20 (3/4, External) | PT20 (3/4, External) |
| Dimensions (W x H x D) | mm | (755 x 997 x 500) x 4 | (755 x 997 x 500) x 4 | (755 x 997 x 500) x 4 | |
| | inch | (29-23/32 x 39-1/4 x 19-11/16) x 4 | (29-23/32 x 39-1/4 x 19-11/16) x 4 | (29-23/32 x 39-1/4 x 19-11/16) x 4 | |
| Net Weight | kg | (140 x 2) + (127 X 2) | (140 x 3) + (127 x 1) | 140 x 4 | |
| | lbs | (309 x 2) + (280 X 2) | (309 x 3) + (280 x 1) | 309 x 4 | |
| Transmission Cable (CVV-SB) | mm ² | 1.0 - 1.5 x 5C | 1.0 - 1.5 x 8C | 1.0 - 1.5 x 11C | |
| Refrigerant | Name | | R410A | R410A | |
| | Charge Amount | kg | 5.8 + 5.8 + 3.0 + 3.0 | 3.0 + 3.0 + 3.0 + 5.8 | 3.0 + 3.0 + 3.0 + 3.0 |
| | Control Device | | EEV | EEV | EEV |
| Power Supply | | Ø / V / Hz | 6 / 380 - 415 / 50 | 9 / 380 - 415 / 50 | 12 / 380 - 415 / 50 |
| | | | 6 / 380 / 60 | 9 / 380 / 60 | 12 / 380 / 60 |
| Sound Pressure Level | Cooling | dB(A) | 60 | 61 | 57 |
| | Heating | dB(A) | 65 | 63 | 63 |
| Sound Power Level | Cooling | dB(A) | 74 | 75 | 71 |
| | Heating | dB(A) | 80 | 77 | 77 |

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