
MULTI VTM **5**

LG HVAC SOLUTION



MULTI V 5



MULTI V™

BRAND HISTORY

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

Following the first and second generations with Inverter technology and non-ozone depleting refrigerant, MULTI V III has advanced its efficiency with diverse cutting-edge technologies such as HiPORT™ that directly returns oil to compressor and Vapor Injection that allows double compression by adding mid-pressure refrigerant. The innovative technologies of 4th generation secured MULTI V brand the product leadership based on efficient system like Smart Load Control that controls operational load according to external temperature and other technologies that are optimized to manage refrigerant and heat exchange for all cooling, heating and part load operations. Moreover, MULTI V developed wide range of VRF line-up that could satisfy various types and size of building; MULTI V S is the VRF with side discharge, designed for small to mid-sized building and MULTI V WATER is the water-cooled VRF solution with variable water flow controlling technology.

In 2017, finally, the time has arrived for the ultimate VRF system, MULTI V 5. This generation has fully improved its technological potential with ever powerful and reliable yet economical LG's Ultimate Inverter Compressor, Ocean Black Fin with the most effective corrosion resistance performance and biomimetics technology-applied, enlarged fans. At the same time, the Dual Sensing Control offers users the most pleasant environment while minimizing the unnecessary energy loss with system that senses both the temperature and humidity to efficiently manage cooling, heating and part load operations.

With MULTI V 5 that has been solely designed for the ultimate efficiency, performance, flexibility, comfort and control, we are highly confident to bring the ultimate pleasant air experience.



2017 **MULTI V™ 5**

- High Efficiency
- Ultimate Inverter Compressor
- Large Capacity ODU with Biomimetics Technology Fan
- Dual Sensing Control
- Ocean Black Fin



2006 **MULTI V™**

- Ø7.0 Corrugate
- Fuzzy Algorithm
- AC Inverter
- R410A

2008 **MULTI V™ II**

- Heat Recovery
- Ø7.0 Wide louver
- Fuzzy Algorithm
- LGDC Inverter

2010 **MULTI V™ III**

- High Pressure Oil Return
- Vapor Injection
- Continuous Heating

2013 **MULTI V™ IV**

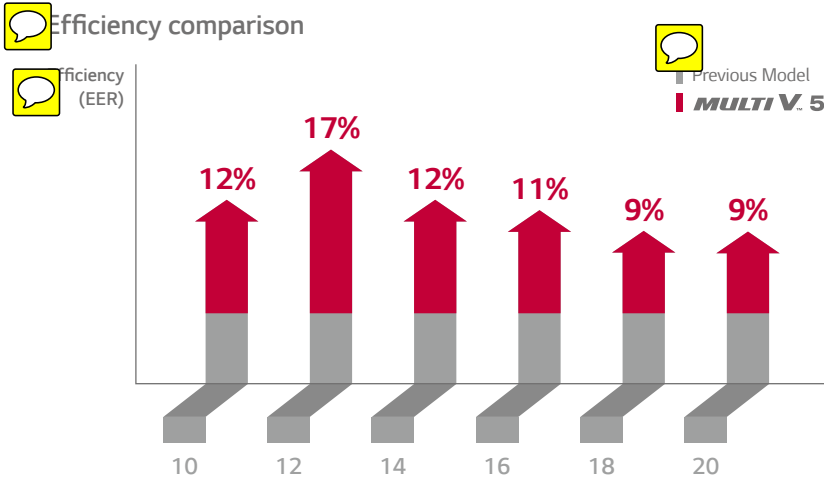
- Active Refrigerant Control
- Variable Heat Exchanger Circuit
- Smart Load Control
- Smart Oil Return
- Vapor Injection (Advanced)



MULTI V 5

HIGH EFFICIENCY

With various industry-leading technologies, such as Ultimate Inverter Compressor and Dual Sensing Control, LG MULTI V 5 offers the world class high efficiency. These advanced technologies help MULTI V 5 to achieve the lowest energy consumption while preserving the environment.



ULTIMATE INVERTER COMPRESSOR
Newly designed structure & material

LARGE CAPACITY
Providing up to 26HP

LG
MULTI V.5

HIGH EFFICIENCY

MULTI V 5



ULTIMATE INVERTER COMPRESSOR

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

All Inverter

Provide high efficiency with low vibration and low noise

Six By-pass Valves

Prevent compressor damage due to excessively compressed refrigerant more efficiently than 4 by-pass valves

01. Vapor Injection

Maximize heating capacity via two-stage compression

02. Enhanced Bearing with PEEK Material

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

03. Wide Operation Range from 10 to 165Hz

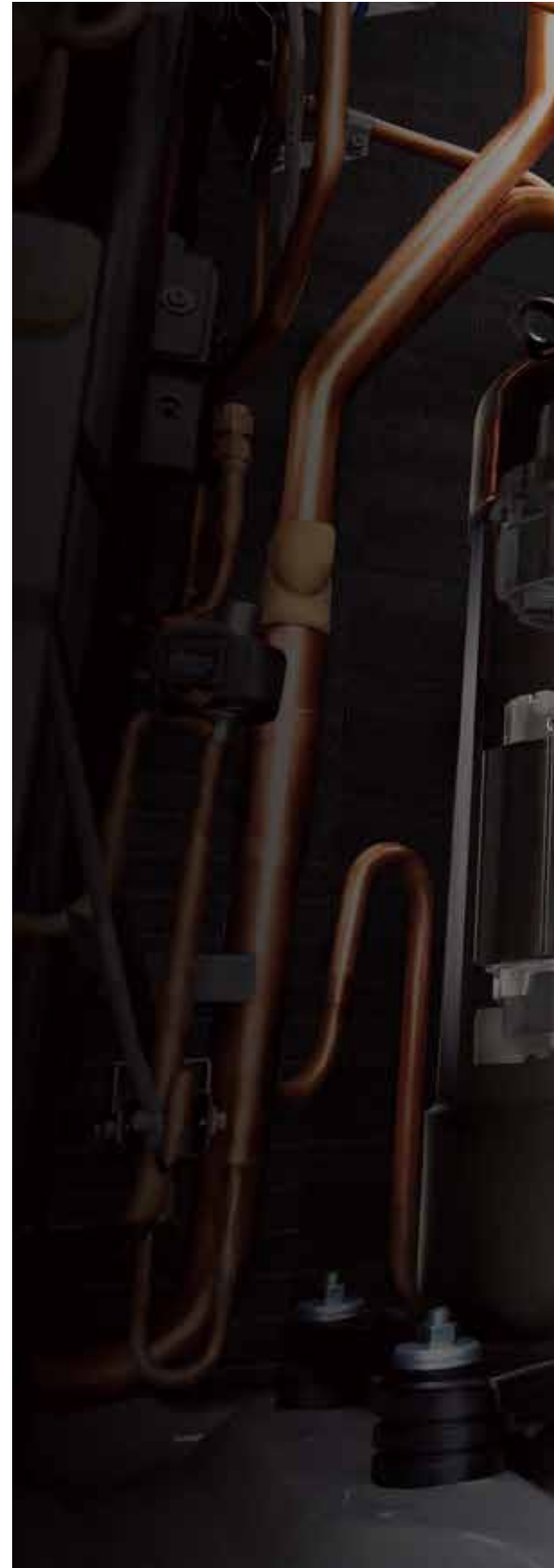
Improved part load efficiency at all operation ranges

04. HiPOR™ (High Pressure Oil Return)

Resolve compressor efficiency loss caused by oil return

05. Smart Oil Management

Oil level detection in real time





MULTI V 5

LARGE CAPACITY ODU WITH BIOMIMETICS TECHNOLOGY FAN



Large Capacity Outdoor Unit

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.



Humpback Whale Design

Inspired by the bumps on the humpback whale's flipper, the tubercles on the back side increased wind power by reducing flapping.



Clam Shell Pattern

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



Increased Air Flow Rate

With extended shroud, discharged air current is stabilized and power consumption is reduced.





10% IMPROVED AIR FLOW RATE

20% REDUCED POWER CONSUMPTION

*Based on 290 m³/min



**LARGE
CAPACITY**



As a result of the biomimetics technology invented through years of joint study with Department of Mechanical and Aerospace Engineering of Seoul National University, the fan of MULTI V 5 increased wind capacity while it reduced its power consumption when operating.

MULTI V 5



DUAL SENSING CONTROL

The cooling load is mainly based on the amount of both sensible heat load and latent heat load. Most importantly, the cooling load is keen to, and thus, greatly affected by external humidity, rather than the outdoor temperature. For such reason, Dual Sensing Control of MULTI V 5 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 eventually offers the most pleasant and comfortable cooling environment the users want with reduction in energy consumption.



Smart Load Control (SLC)

Optimizes energy efficiency for maximized indoor comfort level



Seasonal Efficiency
Up to 18%
(vs. standard mode at 26HP)



Comfort Cooling

Mild cooling operation without stopping in between for maximized user comfort



Improved
Indoor Comfort





**DUAL
SENSING
CONTROL**



MULTI VTM 5

: Dual Sensing



+



MULTI V 5



OCEAN BLACK FIN HEAT EXCHANGER

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.

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Condenser resists
27 years of
simulated
severe corrosion

| | |
|----------------------------------|--|
| Certificate Number: | A022809 |
| Issued To: | LG ELECTRONICS INC |
| Issue Date: | April 12, 2018 |
| Expiration Date: | April 11, 2019 |
| Claim Verified: | Condenser resists 27 years of simulated severe corrosion |
| Product / System / Process Name: | Condenser Employed on Outdoor Unit of Air-Conditioners |
| Model Number(s): | ARU***** |
| Details: | N/A |

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Page 2 of 2

- * Test Method B Simulation Validated
(Test condition: Salt contaminated condition + severe industrial/traffic environment (NO₂ / SO₂))
- * Based on 1,500 UL test hours

12

Ocean Black Fin





MULTI V 5

CONSULTANTS & HVAC DESIGNERS

From accurate 3D-based building modeling to strong system capability regardless of the building size and climate conditions, MULTI V 5 offers the most efficient and flexible installation environment for consultants and HVAC designers. Indeed, MULTI V 5 is the most reasonable HVAC system that has achieved the best efficiency through LG's enhanced inner parts, operational cycle and controlling technology.

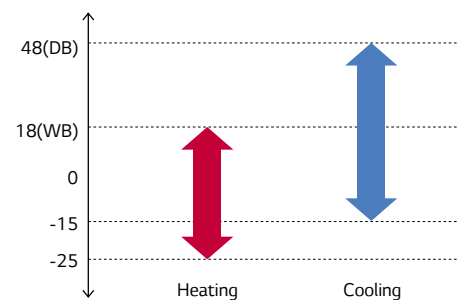
01 Improved designing effectiveness and accuracy via LATS Revit, the BIM application

LG provides 3D-based BIM simulation tool, LATS Revit, in order to offer product selection, positioning and piping from installation, interference check to correction phases based on systematic consideration of the load. This enables the easiest, yet the most accurate system modeling support.



02 Applicable to various climate conditions and purposes based on wide operational range for both heating and cooling operations

Even in the extreme climate situations, MULTI V 5 can perform stable heating and cooling operations. Due to LG's improved inner parts and cycle technology, it can perform heating operation at extremely cold temperature as low as -25°C. For cooling performance, MULTI V 5 can operate from -15°C to 48°C. With wide operational range, it can perfectly perform heating operation in cold environment, making the product adequate for uses in specialized venues like server rooms.



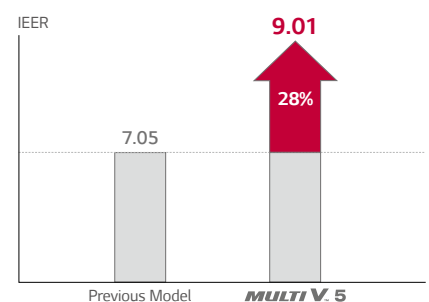
03 Flexible construction design available due to long piping technology

Through the world's best class piping technology MULTI V 5 provides the perfect solution for various types of building with diverse size and purposes. The longest piping length offered by MULTI V 5 is 225m and height difference between outdoor unit and indoor unit stretches up to 110m.

| Total Piping Length | 1,000m |
|--|-----------|
| Actual longest piping length | 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 |

04 The most economical solution with the world's top class energy efficiency

Improved reliability based on LG's Ultimate Inverter Compressor and other core parts, as well as the most developed controlling technology due to optimal cycle operation achieved the world's best class seasonal efficiency (IEER) of 9.01. As a result, this enables the most economical system capability for MULTI V 5 in comparison to any other existing HVAC systems.



* Comparison based on 10HP in cooling mode

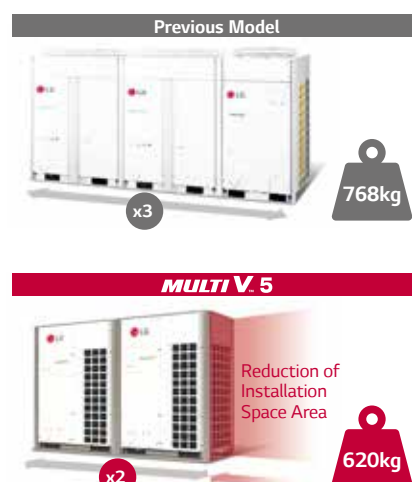
MULTI V 5

INSTALLERS

Due to increased capacity provided by single outdoor units, installation became simpler with reduced number of outdoor unit combination. Moreover, solutions connected to and operated by smart devices significantly shortened physical hours required for test run, diagnose and monitoring of multiple services while making these controlling more accurate.

01 Increased installation convenience due to large capacity units reducing number of outdoor units required for combination

By providing up to 26HP for single unit line up, MULTI V 5 decreases the total number of required outdoor units in order to ultimately simplify installation process, when compared to previous models. For example, previous system required a combination of a 20HP outdoor unit, a 18HP outdoor unit and a 10HP outdoor unit to run a total of 48HP. For MULTI V 5, however, only 2 outdoor units with each providing 24HP can cover the same amount. This significantly reduces installation hours, especially those that used to take long time such as using crane to properly place outdoor units on the rooftop.



02 Simple and easy installation and service with Mobile LGMV

With LGMV, the smarter SVC application, hours and resources spent for installation are significantly reduced and more accurate installation and service can be offered.

Auto test run

Mobile application allows automatic address setting and test run report releasing.

Refrigerant diagnose solution

By regularly checking the amount of refrigerant, it automatically reloads if current amount is not enough.

Easier setting for installers

Unlike before when set up had to be done via DIP Switch of Outdoor unit, installers can simply manage setting via mobile app for MULTI V 5. Indeed, settings for SLC steps, Dual Sensing Control and outdoor unit fan's maximum RPM control can be easily managed via LGMV.

Smart management

By checking test run history, black box review and other previous records, site information can be managed efficiently.



BUILDING OWNERS

With increased reliability of core parts such as compressor and heat exchanger, as well as high operational efficiency, building owners can significantly reduce operational costs in comparison to other systems. At the same time, large capacity outdoor units minimize installation space which eventually allow better use of the floor space. Moreover, MULTI V 5 prevents overuse of the operational costs by planning and consuming the projected monthly energy usage.

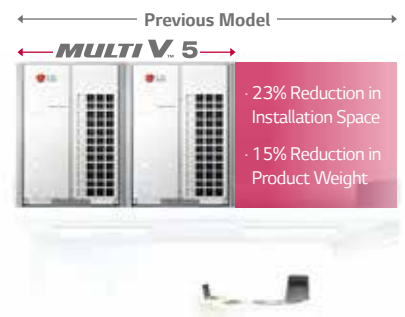
01 Corrosion resistance via Ocean Black Fin

Protection certified by UL (Underwriters Laboratories), LG's exclusive Ocean Black Fin is applied on the heat exchanger of MULTI V 5 in order to perform even in corrosive environments. The 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 5 operating without breakdown.

**Ocean
Black Fin**

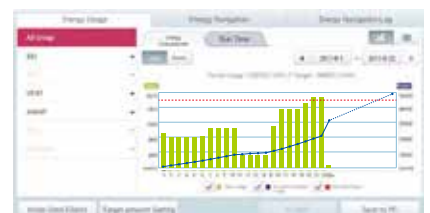
02 Minimized installation footprint via large capacity outdoor units for flexible usage of the saved floor space

MULTI V 5 provides up to 26HP for single unit line up. Considering that a total of 260HP is being installed, the total installation space is saved up to 23% while the overall product weight decreases up to 15% in comparison to previous model. This eventually resulted in the maximized use of the saved floor space. Moreover, reduced product weight of MULTI V 5 makes installation easier with less limitation on product weight installed on the building's rooftop.



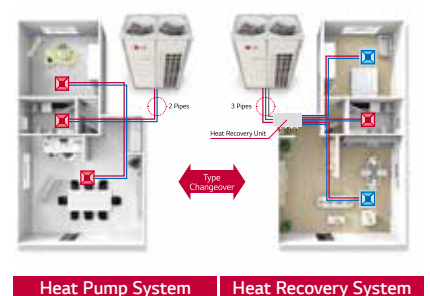
03 Operational costs management by presetting energy consumption

Energy management function allows MULTI V 5 to preset monthly energy usage and consume what has been previously planned. By analyzing and comparing previous consumption and planned energy usage for the month, overuse of the HVAC system operational costs can be prevented.



04 Easy building remodeling with Integral system that offers both the Heat Pump & Heat Recovery

MULTI V 5 offers HVAC solution with integrated system that offers both the Heat Pump and the Heat Recovery Systems. Even if the site has been previously installed with Heat Pump System, user can easily replace it with Heat Recovery System or Hot Water Solution when necessary, through simple piping construction which eventually allows more rooms for future remodeling plans.



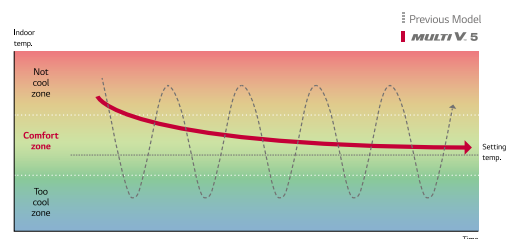
MULTI V 5

END USERS

LG's inverter technology and capability to actively respond to the building's both internal and external environment allow users to quickly arrive at the desired ambient and systematically maintain such condition. Moreover, users can control the indoor environment remotely via smartphone from wherever and whenever. Lastly, new Standard III Remote Controller with simple user interface and premium design provides users the optimal controlling experience.

01 More comfortable cooling via Dual Sensing Control

With the performance of LG's Ultimate Inverter Compressor MULTI V 5 can quickly approach at user's desired temperature. At the same time, Dual Sensing Control manages and maintains indoor temperature pleasantly based on its recognition of both the temperature and humidity in order to offer the optimal user comfort.



02 Continuous heating operation

Due to improved technologies of MULTI V 5 such as delayed defrost via Dual Sensing Control, partial defrost and smart oil management, users can enjoy pleasant and comfortable indoor environment with no stopping of heating operations in between.



03 Optimal controlling environment with new Standard III Remote Controller

MULTI V 5's new wired remote controller offers simple and easy controlling experience via simplified user interface and 4.3-inch large colored LCD screen. Moreover, it provides diverse information such as indoor temperature, humidity, cleanliness and real-time check on energy consumption.



5

MAIN FEATURES

- ULTIMATE EFFICIENCY
 - ULTIMATE PERFORMANCE
 - ULTIMATE COMFORT
 - ULTIMATE FLEXIBILITY
 - ULTIMATE CONTROL
 - HEAT RECOVERY
-

MULTI V 5

ULTIMATE EFFICIENCY

MULTI V 5 ensures world's best class energy efficiency with innovative technology including the LG's Ultimate Inverter Compressor.

LG's Ultimate Inverter Compressor

The newly designed bearing of the Ultimate Inverter Compressor allows low-frequency operation at 10 Hz from the previously lowest speed at 15 Hz, increasing the ultimate efficiency and reliability of MULTI V 5.

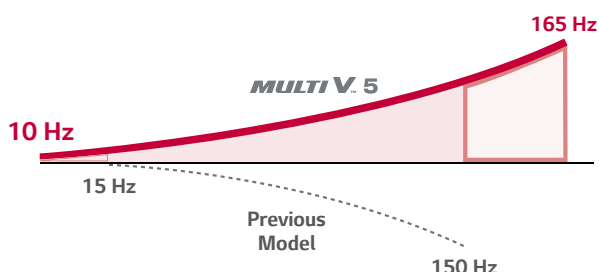


Vapor Injection

- Maximize heating capacity via two-stage compression
- Provide powerful heating in low temperature conditions
- Improve energy efficiency and heating performance

Extended Compressor Speed from 10 Hz

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



Enhanced Bearing with PEEK Material for Increased Durability and Reliability

- Applied newly invented scroll system driven by PEEK (Polyetheretherketone) bearing used for aero engine
- Can operate longer without oil supply
- Increase durability and reliability

Concentration Motor

- 10% increase of magnetic flux density

HiPOR™

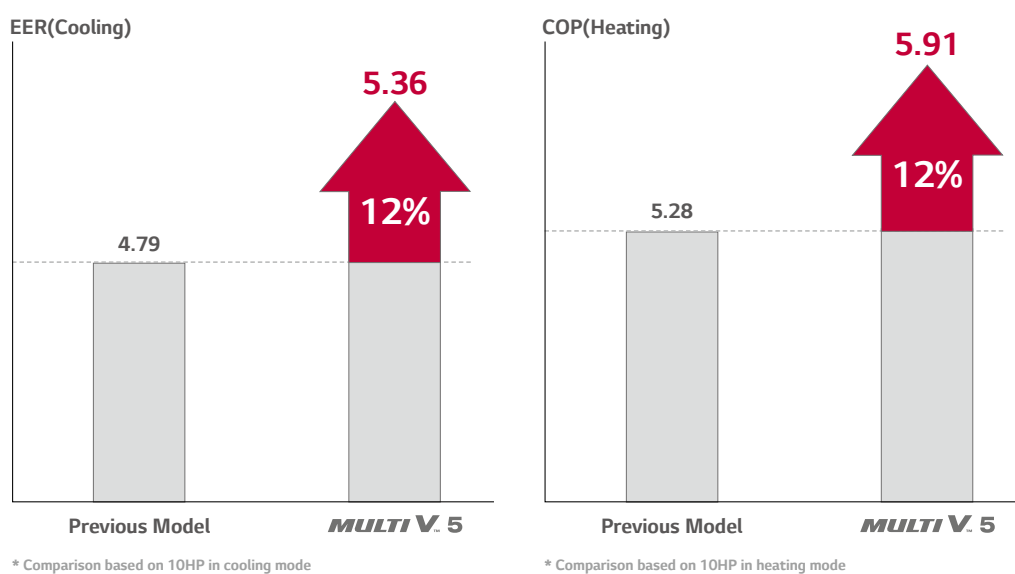
- Minimizing energy loss with direct oil return

Smart Oil Management

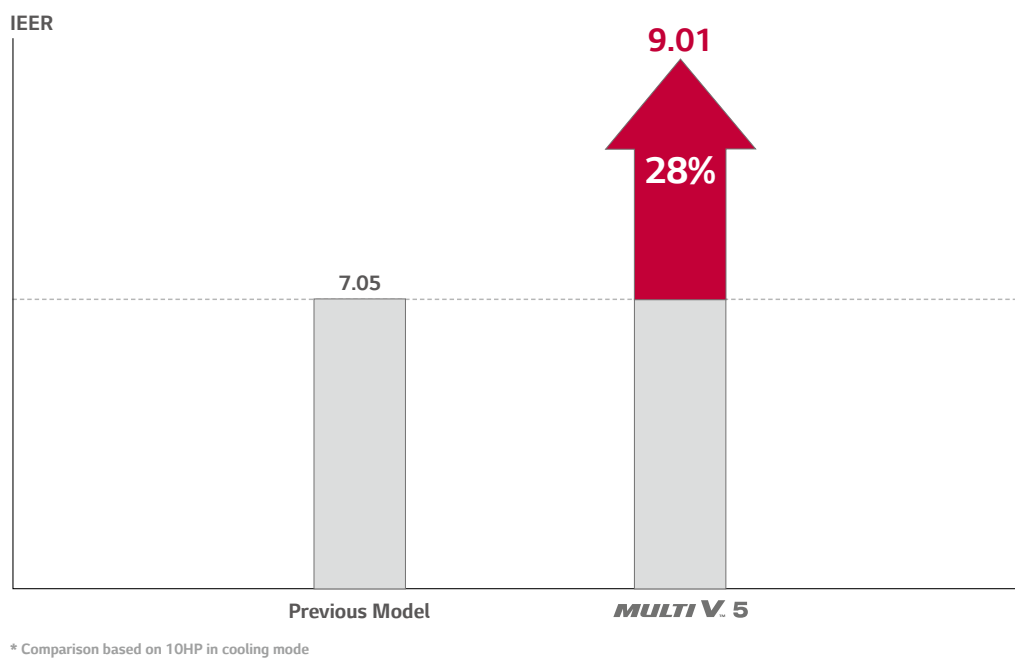
- Measuring the presence of oil through the oil sensor



World's First Class, Rated Efficiency (ISO Test Condition)



World's First Class IEER



MULTI V 5

ULTIMATE EFFICIENCY

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 seasonal efficiency up to 18% at standard humidity condition for maximum 26 HP in comparison to the non SLC mode.

Increased Seasonal Efficiency

Up to 18%

Up to 14% (High humidity) ~ **29%** (Low humidity)

* LG internal test result



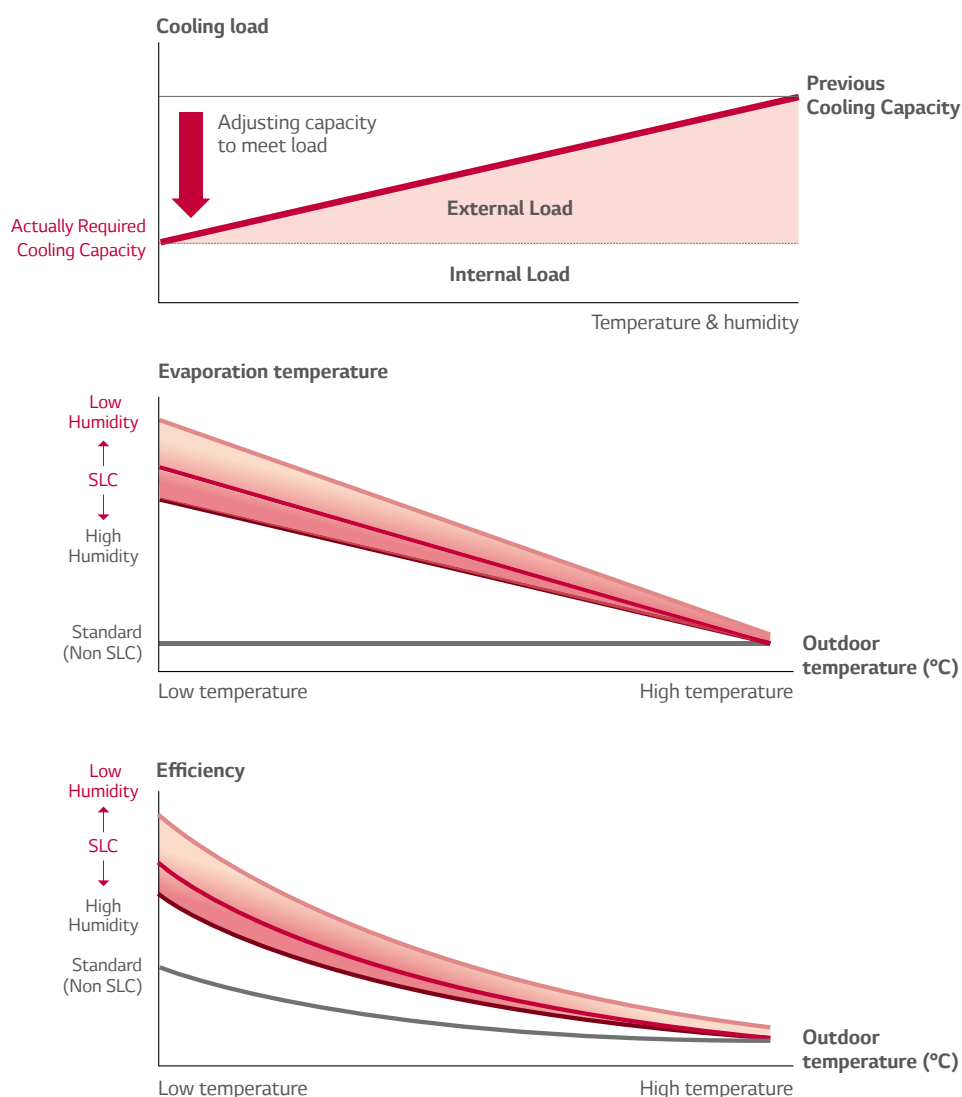
For low temperature,
lower load and capacity
are required



Lower load and capacity
need higher evaporation
temperature



Higher evaporation
temperature results
in higher efficiency



* Low humidity: Below 50% / Standard: 50~70% / High humidity: 70~100%
* Setting is available in indoor (Standard III Remote Controller)

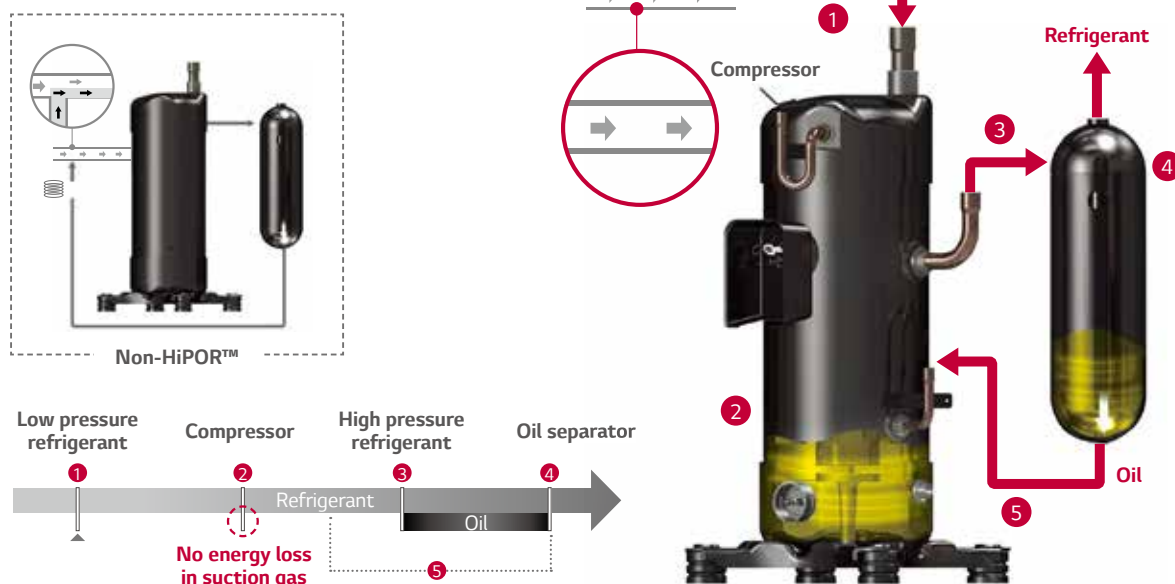
HiPOR™ (High Pressure Oil Return)

HiPOR™ technology enables oil to return directly into the compressor, instead of returning through the refrigerant suction pipe in order to minimize energy losses while maximizing the efficiency of compressor.

The previous model compressor that caused loss of low pressure refrigerant return to the refrigerant pipe. However MULTI V 5 maximizes reliability and efficiency of the compressor by reducing high pressure refrigerant loss.

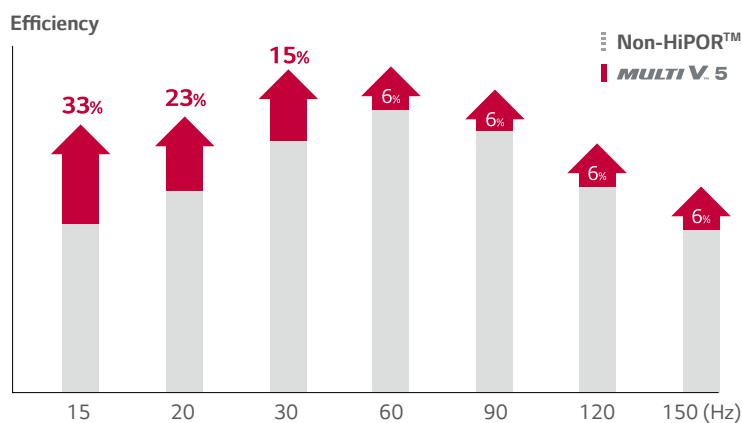
Process comparison

- Non-HiPOR™ vs. MULTI V 5



Efficiency comparison

- Non-HiPOR™ vs. MULTI V 5



* Rating condition ($T_c=54.4^{\circ}\text{C}$, $T_e=7.2^{\circ}\text{C}$)

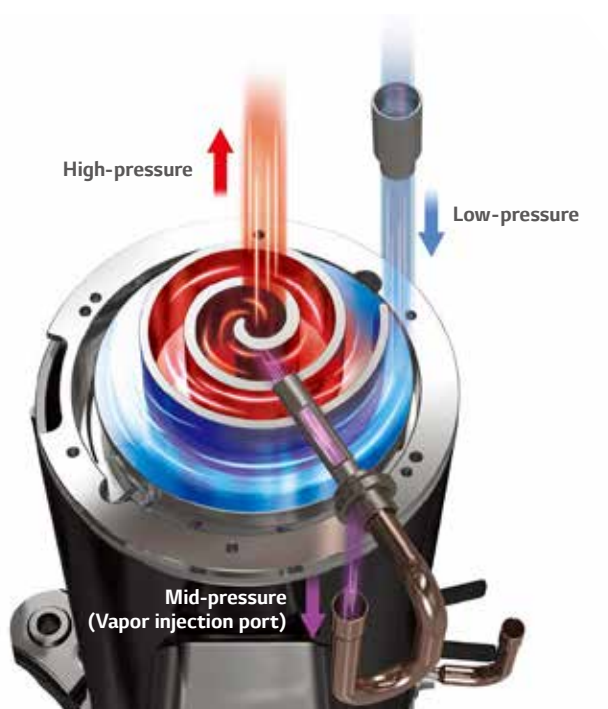
MULTI V 5

ULTIMATE EFFICIENCY

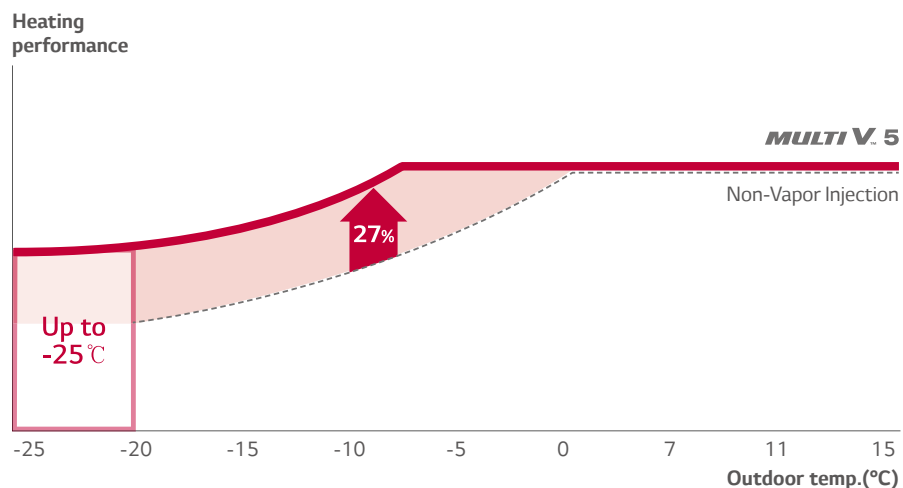
Vapor Injection

Vapor Injection uses a two-stage compression effect, which is designed to provide efficient heating in very cold environments. Combined with HiPOR™, this system boosts heating performance and enhances heating temperature range.

Technology mechanism



Performance comparison



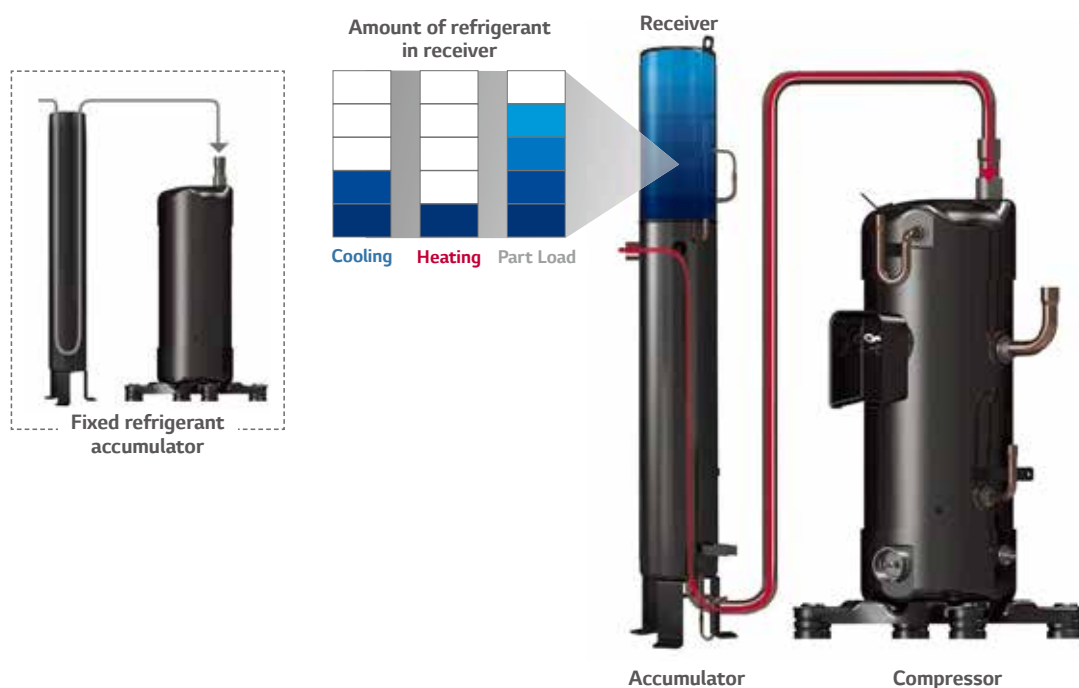
* Improved heating performance by 27%
* Comparison tested on 10HP model

Active Refrigerant Control

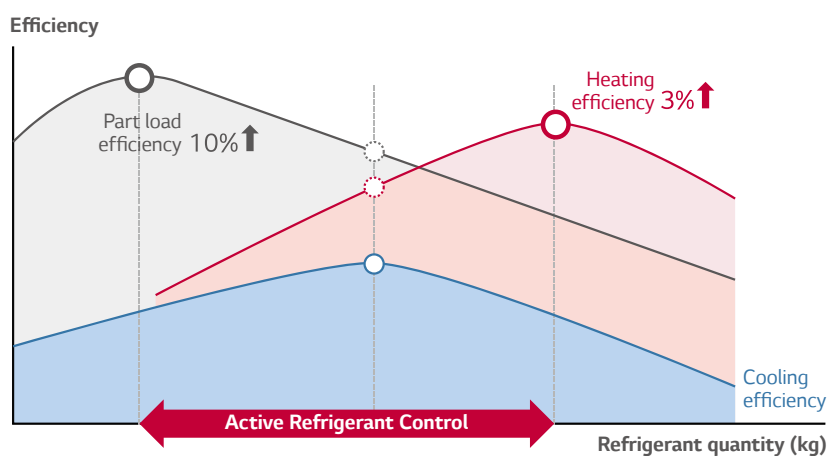
Active Refrigerant Control monitors and adjusts the quantity of circulating refrigerant during each cycle to maximize efficiency in real time when it runs cooling and heating operation, as well as the part load operation.

This five step control leads to an improvement in energy efficiency, unlike when fixed amount of refrigerant is provided to the compressor regardless of operation mode, which limits optimal efficiency for each operation.

Technology mechanism



Efficiency performance



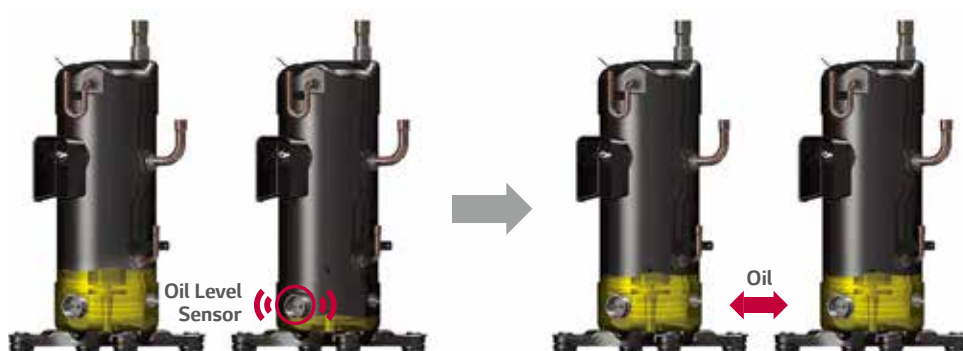
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ULTIMATE EFFICIENCY

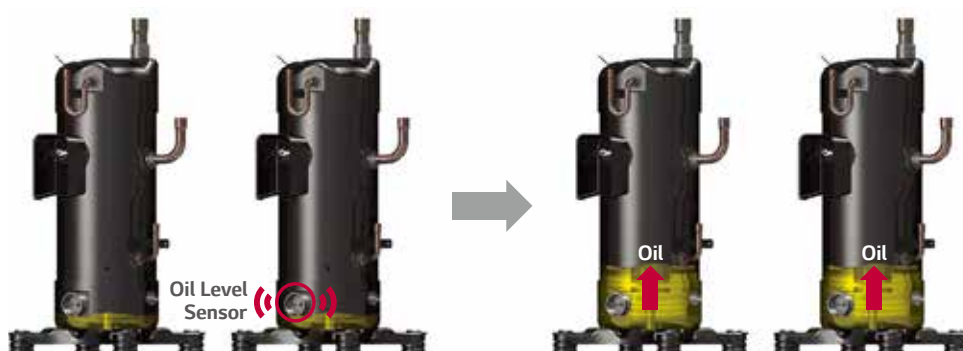
Smart Oil Management

Compressor reliability and Efficiency are improved with an oil sensor that allows oil balancing and oil return. The value of the capacitance between the electrodes can measure the presence of oil in real-time. It is the best way to minimize the oil recovery operation through oil level sensing with the use of the oil level sensor, shortening the time for oil recovery operation for reducing energy loss and minimizing discomforts.

Auto Oil Balancing

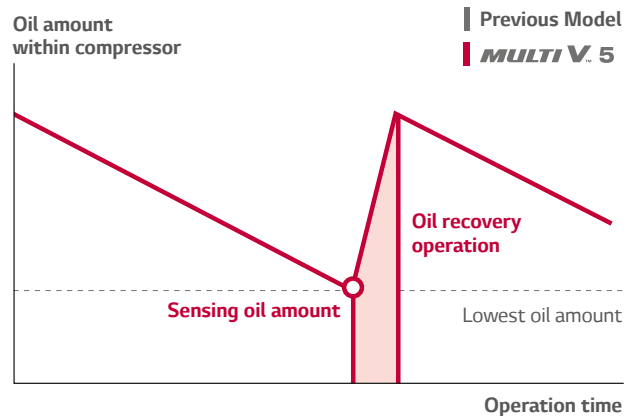
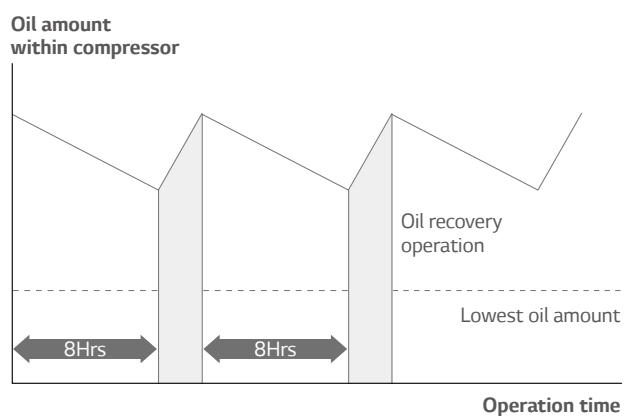


Smart Oil Return



Oil recovery system comparison

- Non-oil sensor model vs. MULTI V 5

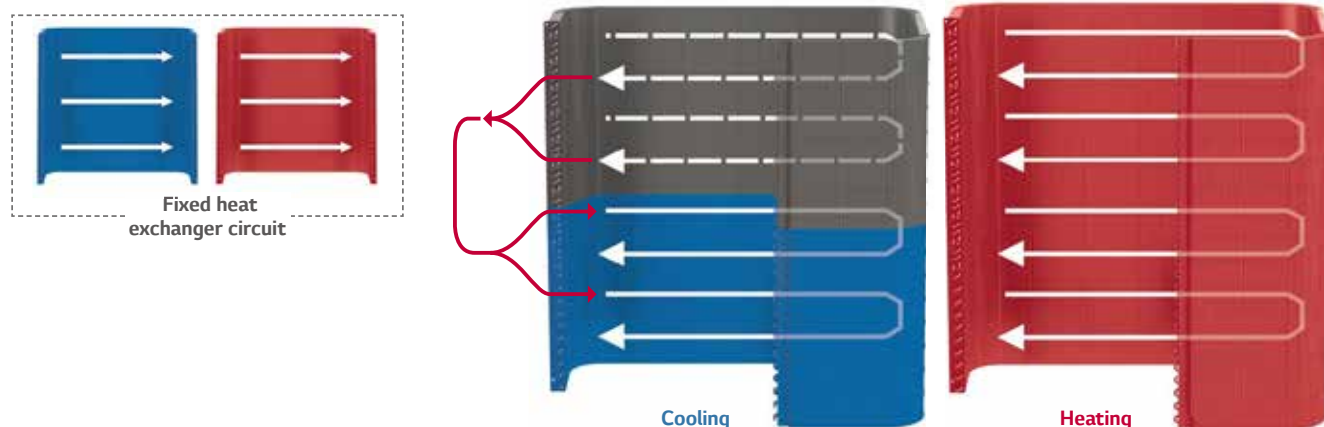


Variable Heat Exchanger Circuit

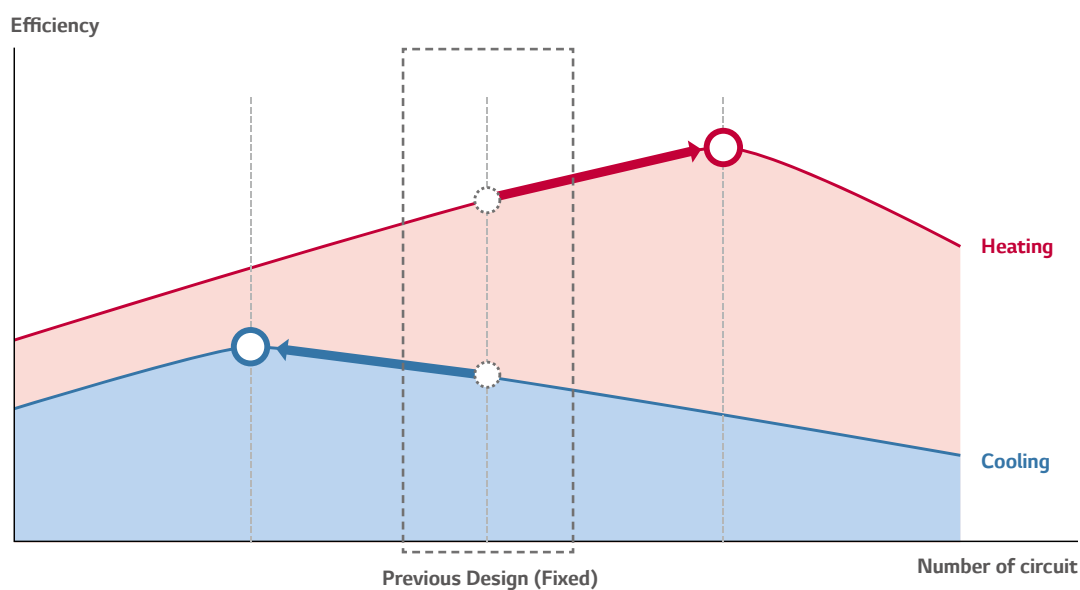
Variable Heat Exchanger Circuit intelligently selects the optimal path for both heating and cooling operations. With this smart path selection technology, an average of 6% increase in the efficiency of both operations has been achieved.

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.

Technology mechanism



Efficiency performance



MULTI V 5

ULTIMATE PERFORMANCE

MULTI V 5 ensures ultimate reliability with Ocean Black Fin, large capacity fan and enhanced bearing system for the best performance across the various environments.

Heat Exchanger with Ocean Black Fin for Corrosion Resistance

LG's exclusive Ocean Black Fin is applied on the heat exchanger of MULTI V 5 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 5 operating without breakdown. This improvement in durability prolongs the product's lifespan and lowers both the operational and maintenance costs.



**Ocean
Black Fin**

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).

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 ₂ |
|------|-----------------------|----------------------|
| 95% | 10 x 10 ⁻⁵ | 5 x 10 ⁻⁶ |

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Condenser resists

27 years of simulated severe corrosion

| | |
|----------------------------------|--|
| Certificate Number: | AD22809 |
| Issued To: | LG ELECTRONICS INC |
| Issue Date: | April 12, 2018 |
| Expiration Date: | April 11, 2019 |
| Claim Verified: | Condenser resists 27 years of simulated severe corrosion |
| Product / System / Process Name: | Condenser Employed on Outdoor Unit of Air-Conditioners |
| Model Number(s): | ABU***** |
| Details: | N/A |

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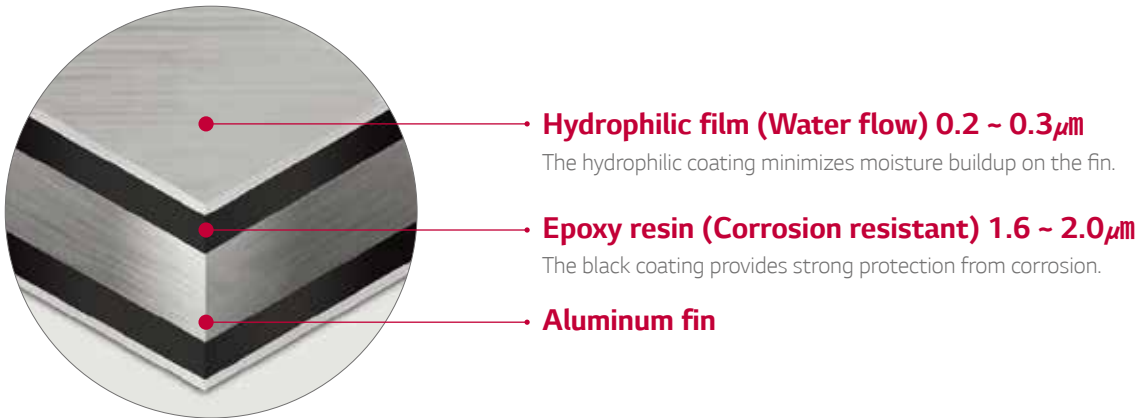
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Page 2 of 2

* Test Method B Simulation Validated
 (Test condition: Salt contaminated condition
 + severe industrial/traffic environment(NO₂/SO₂))
 * Based on 1,500 UL test hours

Enhanced Coating Layers

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.



MULTI V 5

ULTIMATE PERFORMANCE

Larger Capacity ODU with Biomimetics Technology Fan

The moire pattern from external texture of clam shells has been applied on fans to create the range difference which 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.



Flow difference comparison caused by tubercles

- Previous Model vs. MULTI V 5



Increased Air Flow Rate with Bigger Shroud

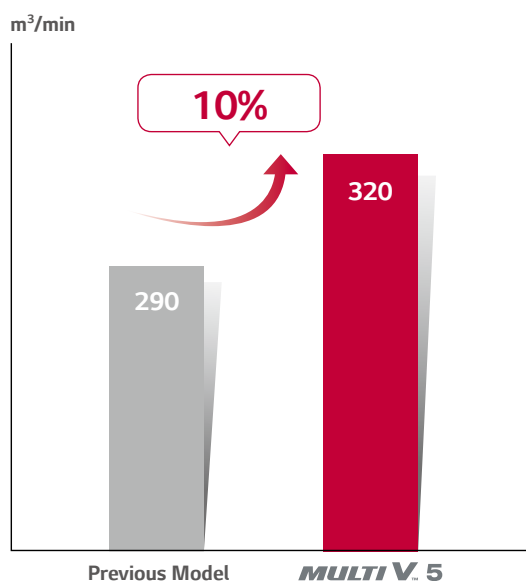
In addition to the biomimetics technology-based fans, extended shroud of MULTI V 5 allows more high static pressure and helps fans to blow higher air volume for efficient operation. With wider air guide, discharged air current is stabilized and noise level is reduced.



Enhanced Performance with Newly Developed Fan

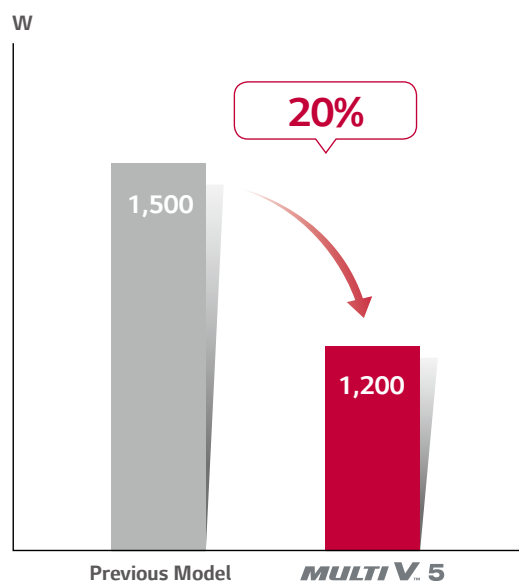
Based on the biomimetics technology, the fans of MULTI V 5 increased air flow rate by 10% in comparison to previous model and reduced its power consumption up to 20%. This eventually results in maximized performance with large capacity.

Air flow rate



* Comparison based on 20HP model

Power consumption



* Comparison based on air volume of 290 m^3/min

MULTI V 5

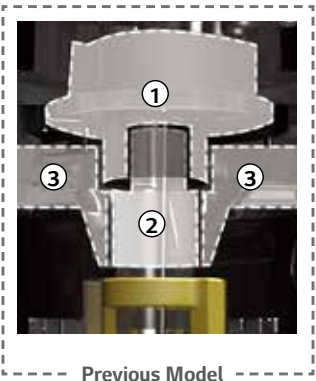
ULTIMATE PERFORMANCE

Enhanced Bearing with PEEK Material

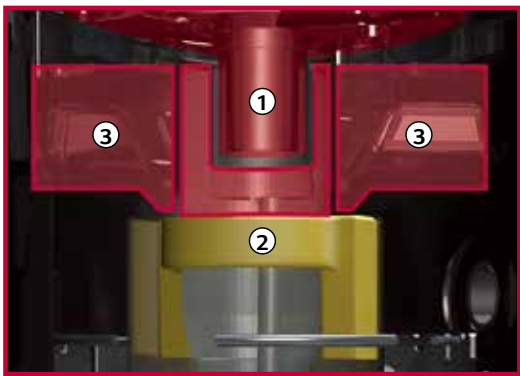
Motivated by the lubricative material of PEEK(Polyetheretherketone) bearing used for aero engines, the newly invented scroll system with refined shape increases durability and reliability of compressor. It also helps MULTI V 5 to operate longer without oil supply in comparison to the previousmodels.

Technology mechanism comparison

• Previous Model vs. MULTI V 5



- ① Material : FR160
- ①+② Structure : Inner Bearing
- ③ Supporter



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

Operating time without oil supply

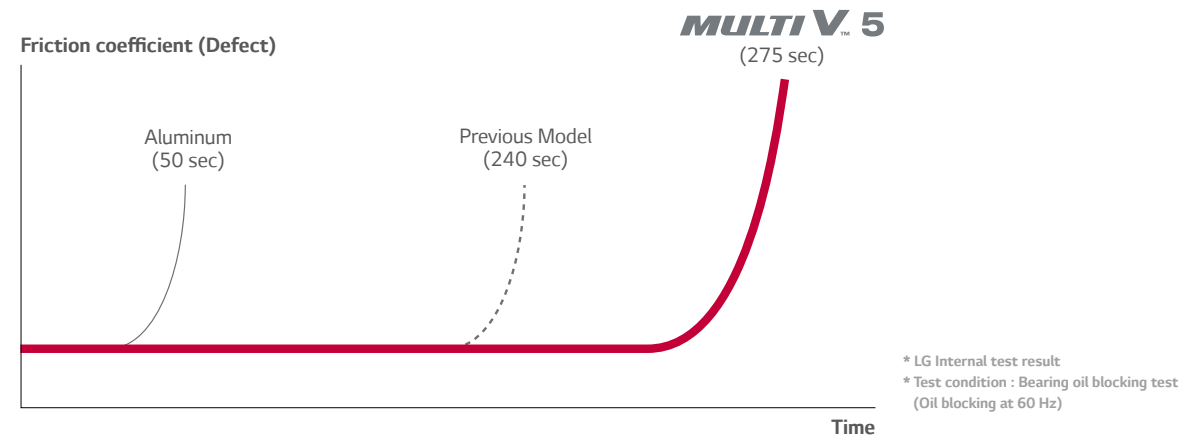
Up to 15%

Noise Level (Max. Sound Pressure)

Down to 3dB

Oilless operation hours comparison

• Previous Model vs. MULTI V 5



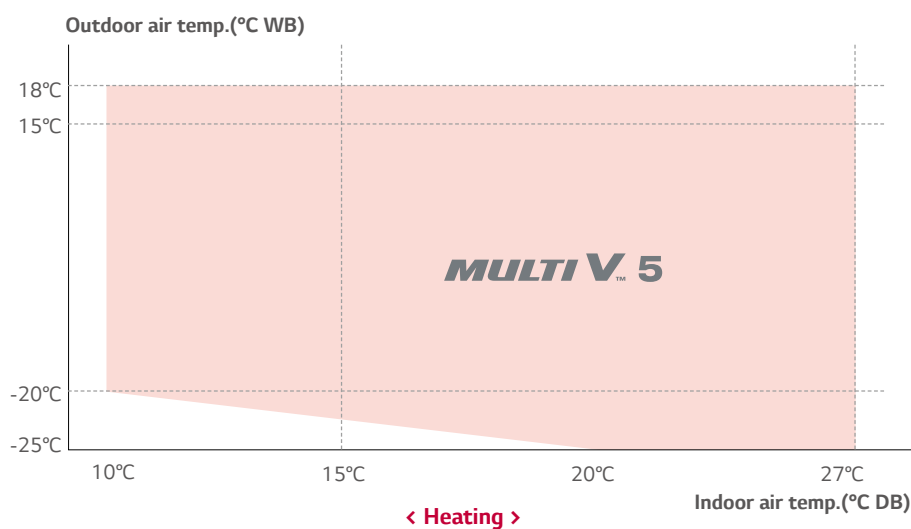
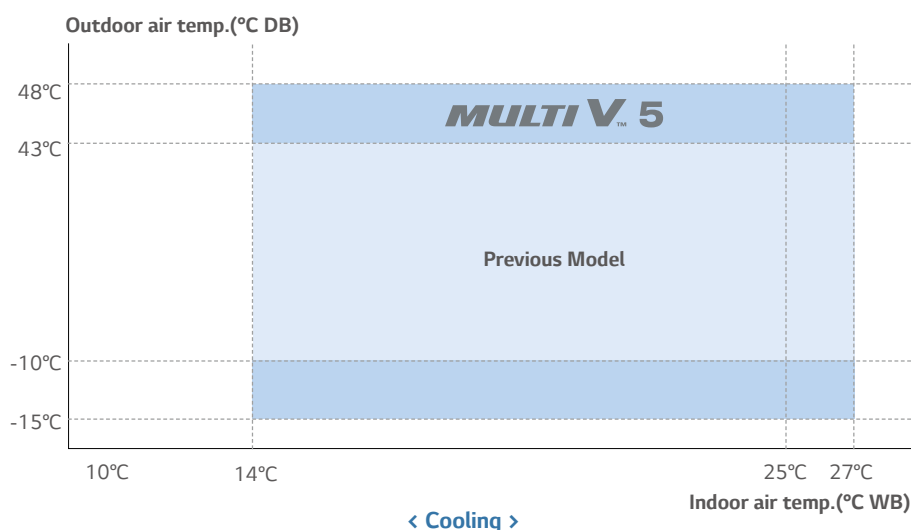
Reliable Performance in Extreme Environment

MULTI V 5's cycle technology with enhanced durability enables optimal cooling performance at high temperature that increases up to 48°C. 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, with enhanced inverter compressor and control technology coming from improved supercooling technology installation, vapor injection and Ocean Black Fin, 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.

Wider operational range for each performance

- Previous Model vs. MULTI V 5



* Under the condition of -25°C for outdoor temperature and 20°C for indoor temperature

MULTI V 5

ULTIMATE COMFORT

MULTI V 5 closely senses environment's climate conditions via Dual Sensing Control to control cooling and heating operations. By maintaining specific conditions users set for indoor environment without stopping or changing, MULTI V 5 offers ultimate comfort for the users.

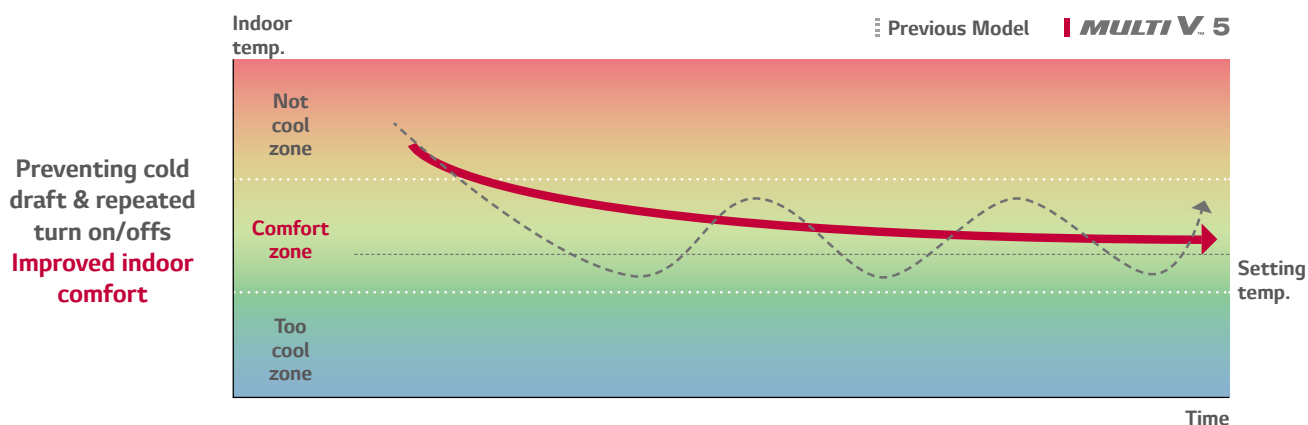
Comfort Cooling

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.



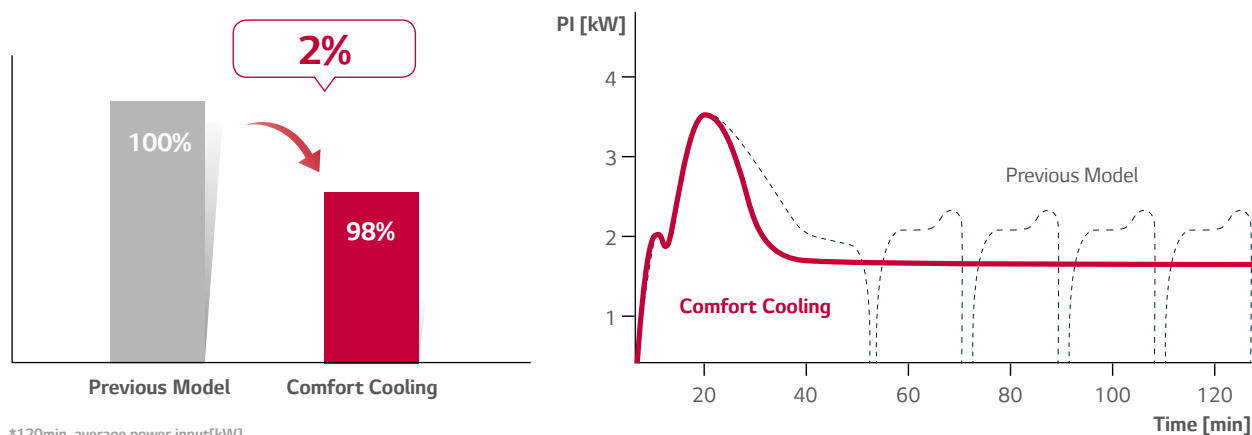
Cooling operation comparison

- Previous Model vs. MULTI V 5



Energy Saving

With comfort cooling feature of MULTI V 5, target superheat of indoor unit is increased while refrigerant flow rate is decreased when compared to the previous model. Moreover, thermo-on time has been increased from previous 47 minutes to 120 minutes or longer. Since there is no repeating of thermo on/off, average electric power is saved up to 2%.



*120min. average power input[kW]

Back Up Function

When an operating compressor is malfunctioning, automatic emergency back up function is activated in order to continue cooling or heating operation using another compressor or another outdoor unit for back up operation whilst waiting for service. This function is for emergency situation, so users should contact their authorized service dealer as soon as fault has occurred.

Case 1)

Compressor fails in a single system



The 2nd compressor continues to operate

Case 2)

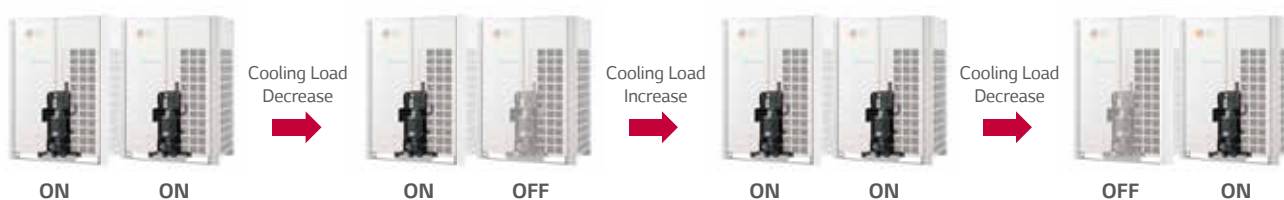
One outdoor unit fails in combined system



The other outdoor unit continues to operate

Extended Compressor Life Cycle by Alternative Operation

The running sequence of compressors are monitored by a built-in micro computer to ensure accumulated operation hours of all compressors are balanced. This leads to the longer working life of the compressors and the system.



MULTI V 5

ULTIMATE COMFORT

Continuous Heating

With Dual Sensing Control, partial defrost and smart oil management via oil sensor, continuous heating technology has been improved.

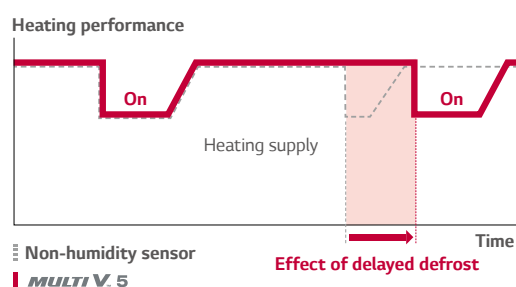
11% Increase in Heating Operation Time Per Day

7% Reduction in Power Input



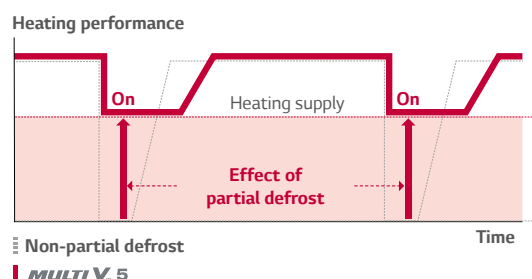
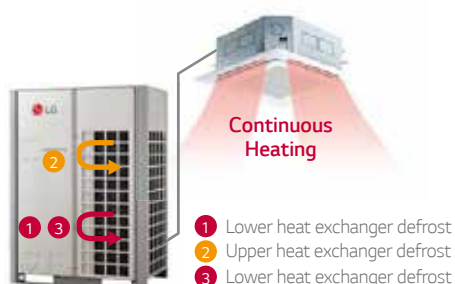
Delayed Defrost via Humidity Sensor of Dual Sensing Control

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



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.



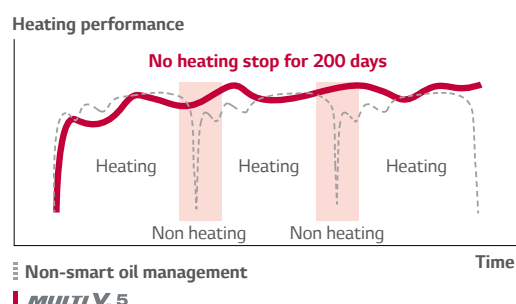
Smart Oil Management

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



Eliminated Unnecessary Oil Return via Oil Sensor

* LG internal test result



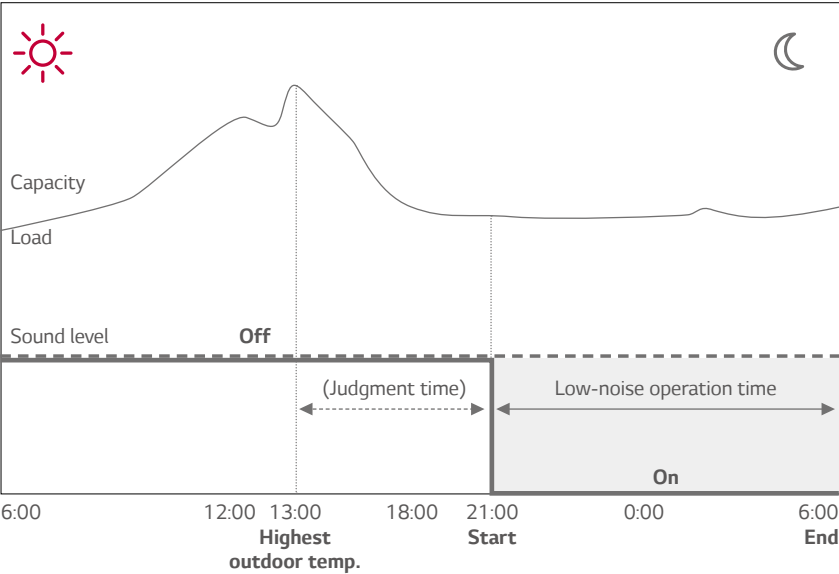
Low-Noise Operation

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.

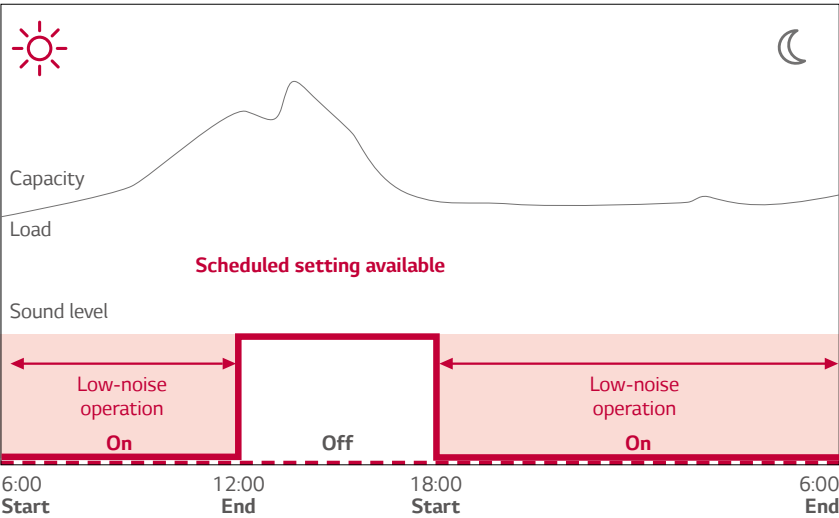
Operation hours comparison

- Previous Model vs. MULTI V 5

Previous Model



MULTI V 5



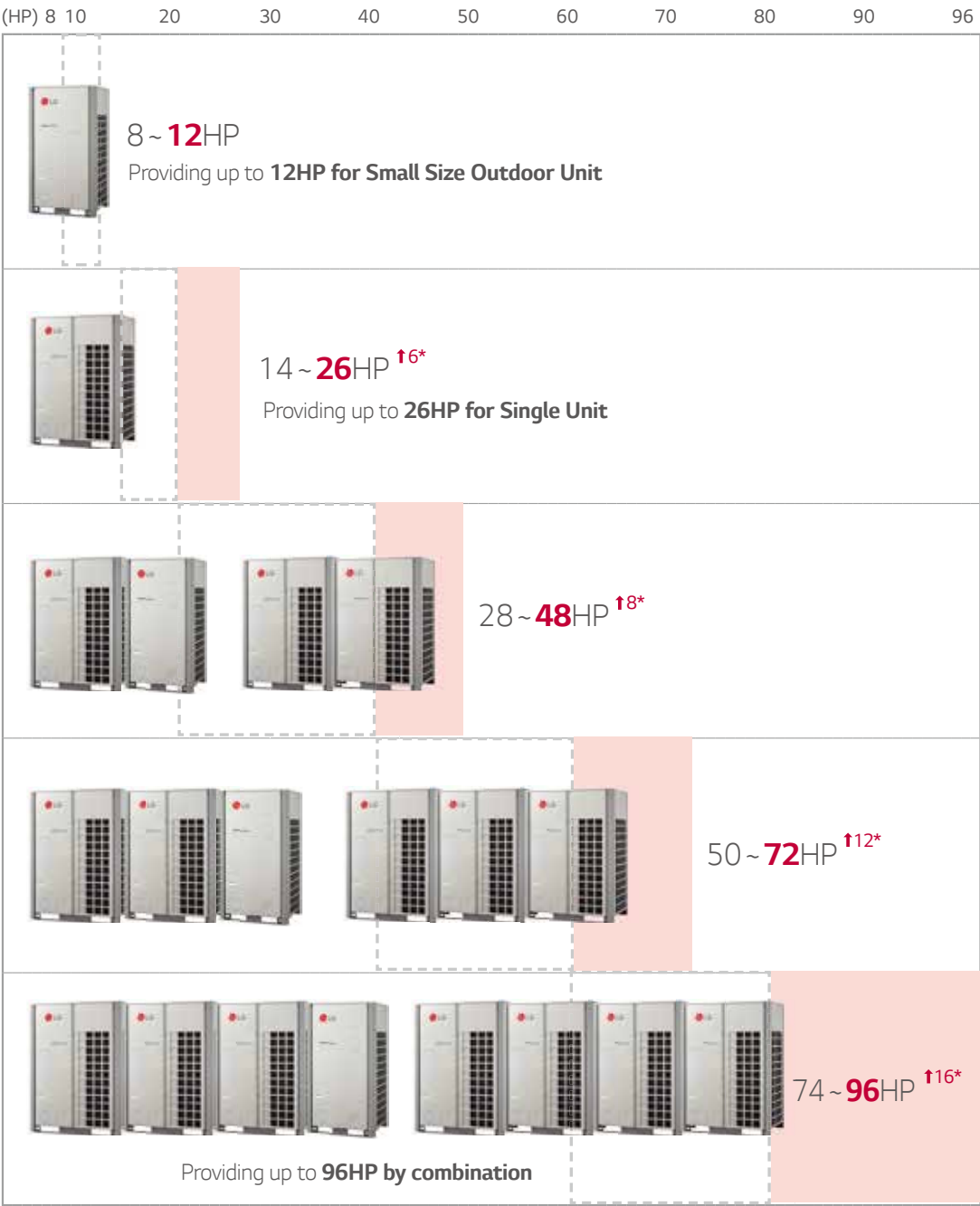
* Indoor unit set up available with Standard III Remote Controller

MULTI V 5

ULTIMATE FLEXIBILITY

With industry's top level piping technology and large capacity outdoor unit, MULTI V 5 allows users to make better use of the space, offering more flexible installation design.

MULTI V 5 Outdoor Unit Line Up



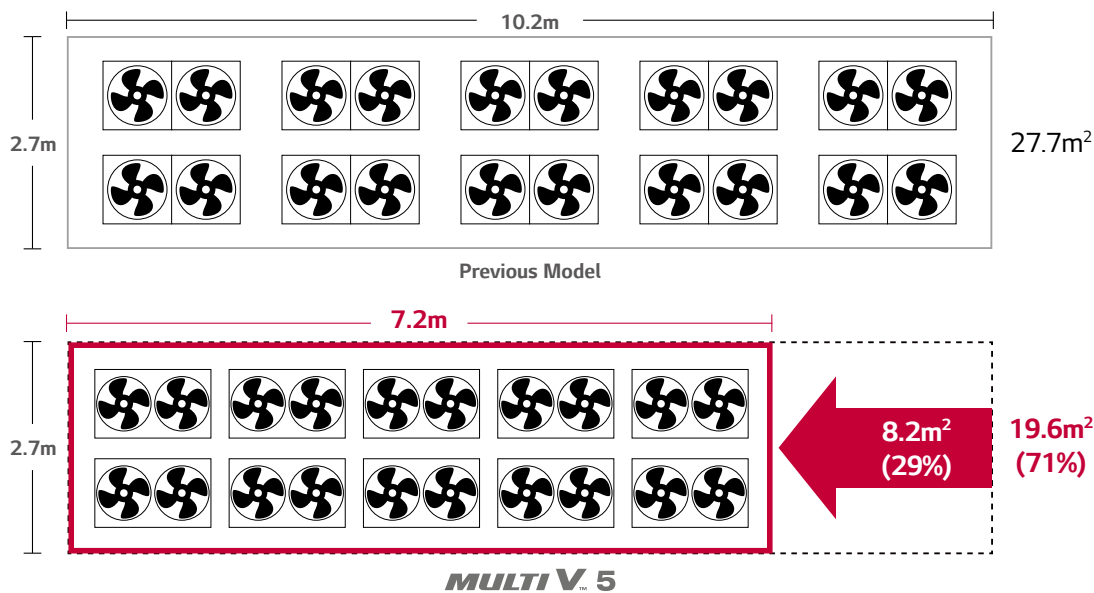
* Capacity increase compared to previous model

Flexible Installation Space with Large Capacity Outdoor Units

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

Comparison on installation space

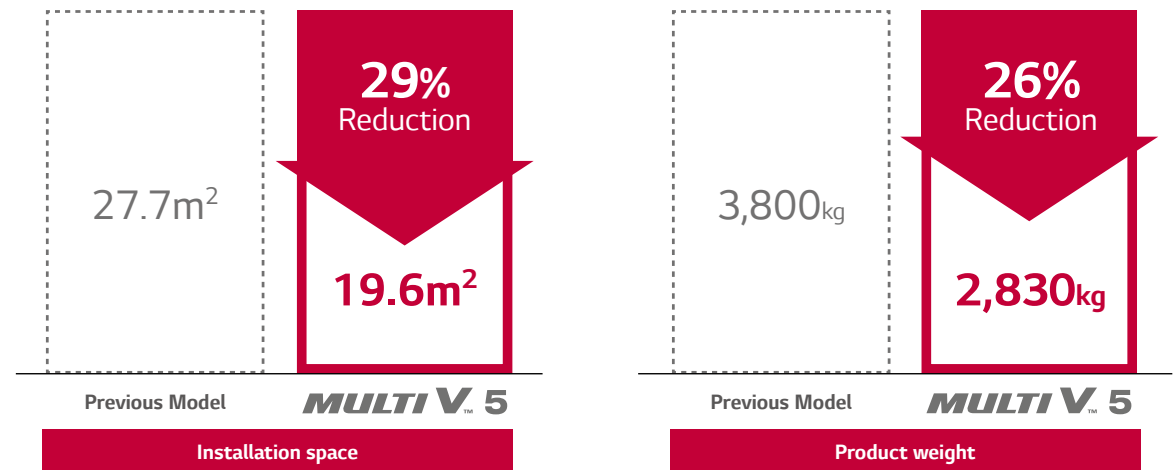
- Previous Model vs. MULTI V 5



* 260HP(26HP*10sets) installation case

Installation space area and product weight comparison

- Previous Model vs. MULTI V 5



* 260HP(26HP*10sets) installation case

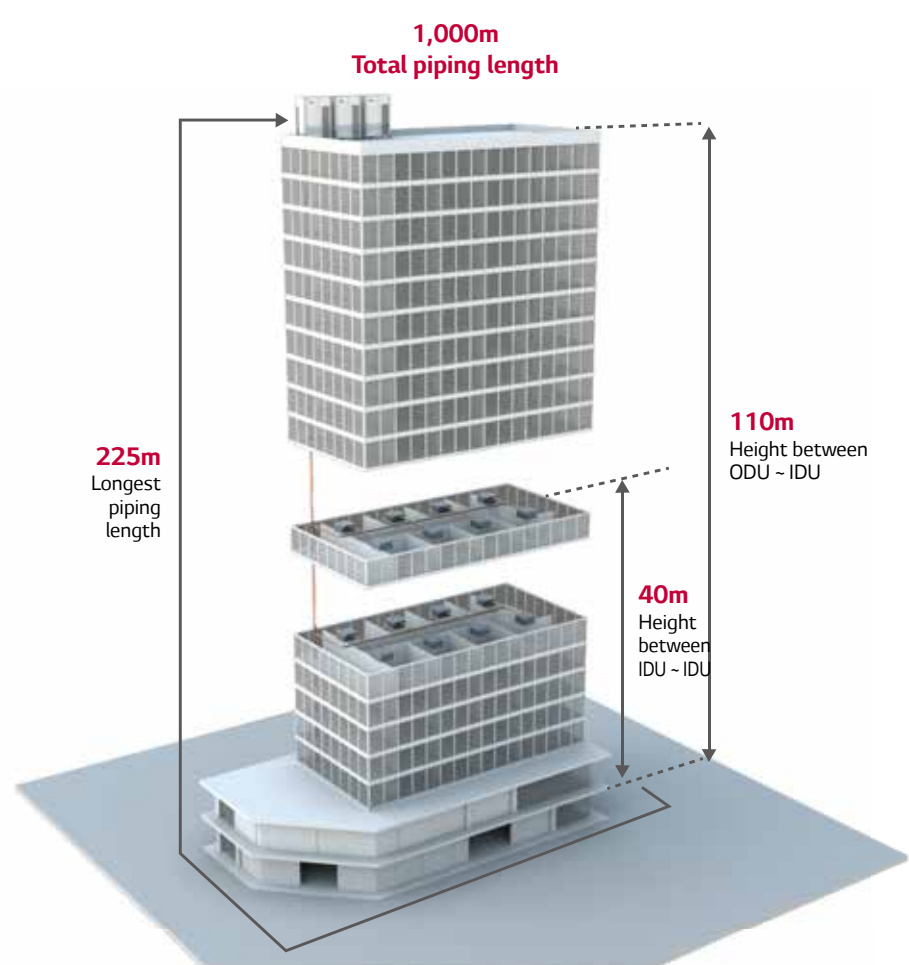
MULTI V 5

ULTIMATE FLEXIBILITY

Extensive Piping Capabilities for Flexible Installation

Due to improved supercooling circuit and refrigerant controlling technologies, MULTI V 5 allows users to install world’s best class piping lengths, which results in more flexible installation design.

Piping length



Piping capabilities

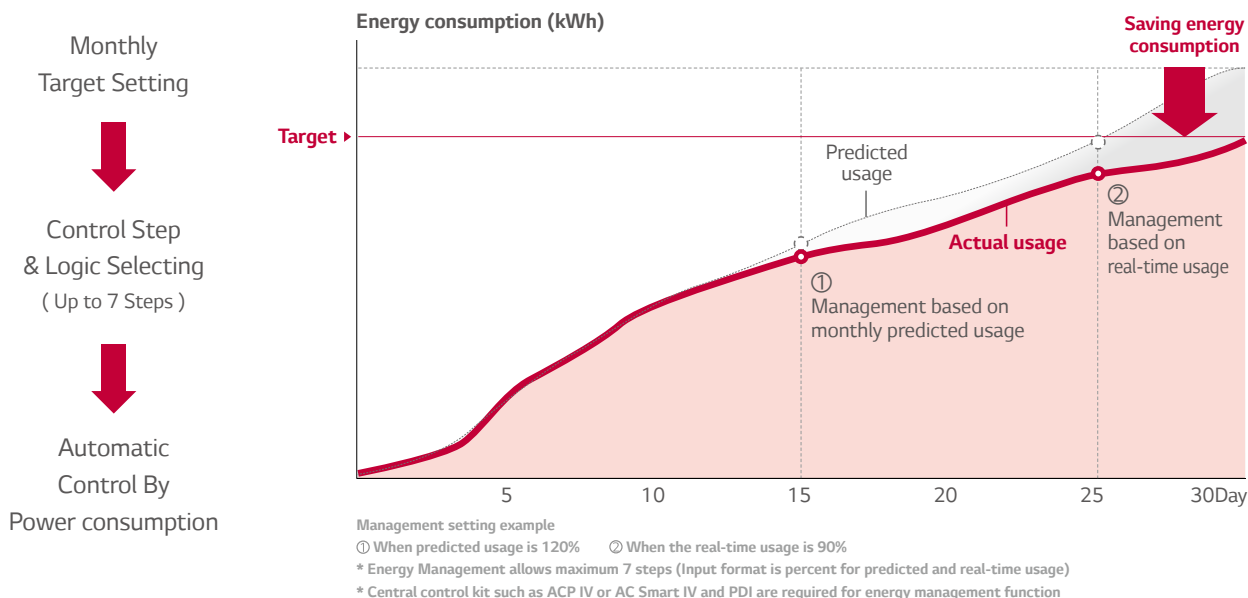
| Total Piping Length | 1,000m |
|--|-------------|
| Actual longest piping length (Equivalent) | 200m (225m) |
| Longest piping length after 1st branch (conditional application) | 40m (90m) |
| Height between ODU ~ IDU | 110m |
| Height between IDU ~ IDU | 40m |
| Height between ODU ~ ODU | 5m |

ULTIMATE CONTROL

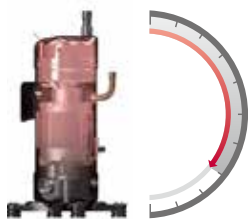
Various maintenance solutions provided by MULTI V 5 offers smart, convenient and reliable functionality.

Energy Management

Energy Management allows MULTI V 5 to analyze previous data in order to forecast energy usage beforehand and prevent from exceeding the monthly energy consumption plan by systematically controlling the cooling volume. With energy consulting program that provides automatic operation options for 7 levels of energy management such as compressor capacity management and indoor unit operation level control, users can monitor energy usage anytime and efficiently manage their energy bills.



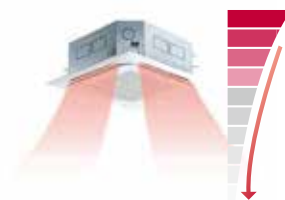
Control methods



Compressor capacity management

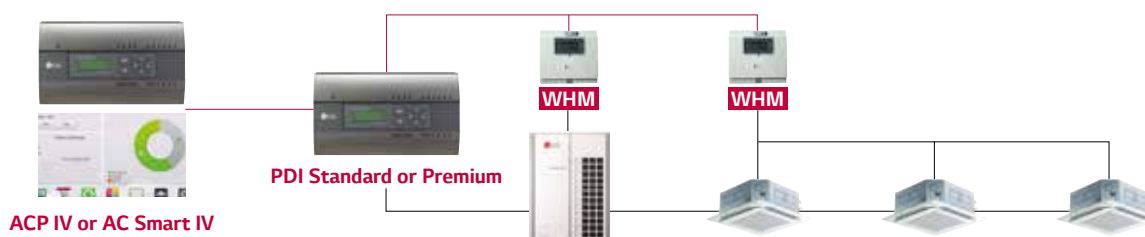


Operation rate control of indoor unit



Indoor unit operation management

System architecture





OUTDOOR UNIT KEY FEATURES

MULTI V 5

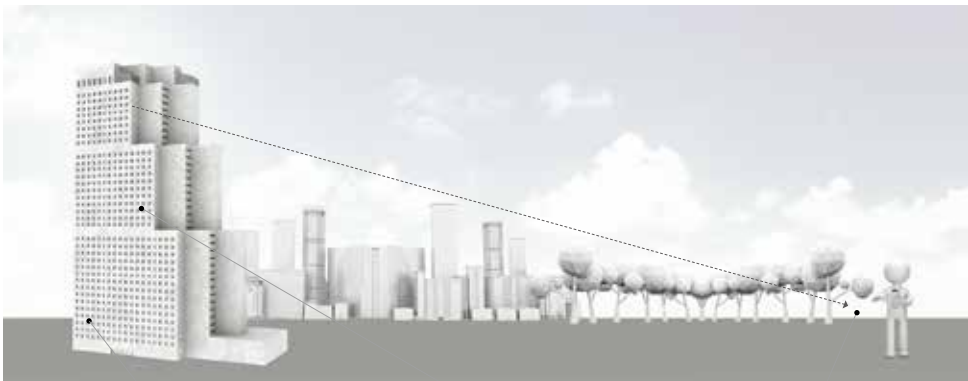
ULTIMATE CONTROL

AC Manager 5 with User Friendly Interface

As an advanced central controller, AC Manager 5 offers flexible interface for each user by assessing the device screen and automatically customizing the layout to provide the most optimized interface. Moreover, it provides effective system air conditioner management through user friendly interface and various functions.



reddot award
communication design



[PC]
11:00 am
Monitoring room



[Tablet]
2:00 pm
Checking each room



[Mobile]
5:00 pm
Monitoring at any time, anywhere

Various functions of AC Manager 5



Schedule function



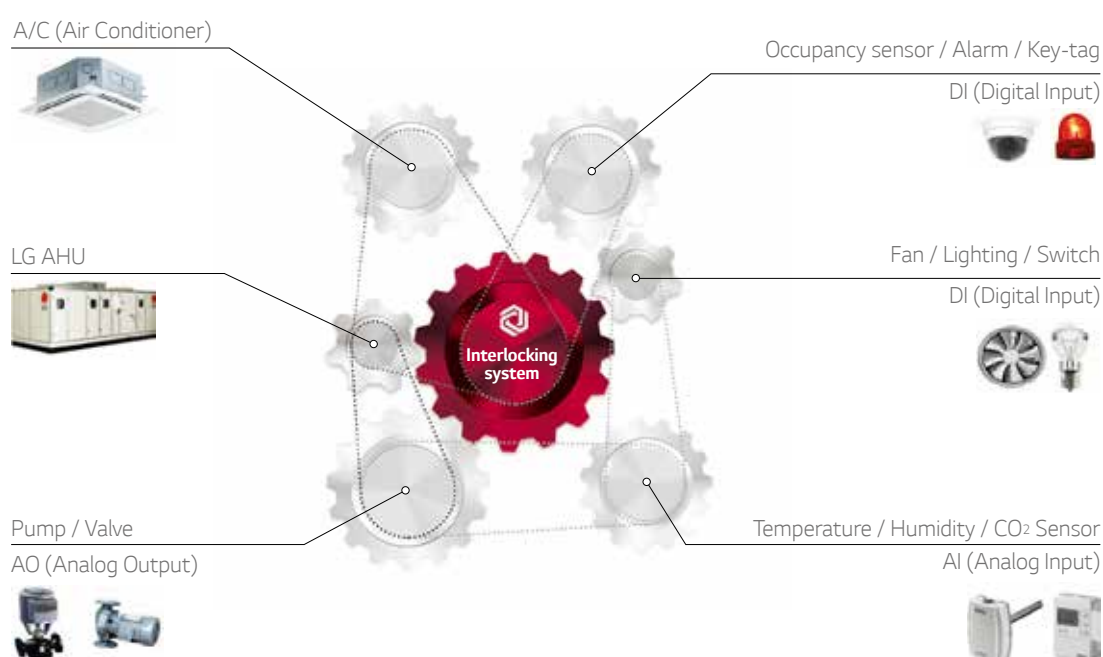
Advanced energy monitoring



Operational trend

Expandability & Programmability

The expandable control system can be interlocked with sensors and facilities of building, as well as air conditioners. It makes building management smart by setting up logic optimized for the site.



System Flexibility

It can be linked with 3rd party BMS via Gateway and provide flexible control system for each site via Dry Contact.

Interlock with 3rd party BMS



Dry Contact optimized for variable scenario



MULTI V 5

ULTIMATE CONTROL

Smart Individual Controller (with Standard III Remote Controller)

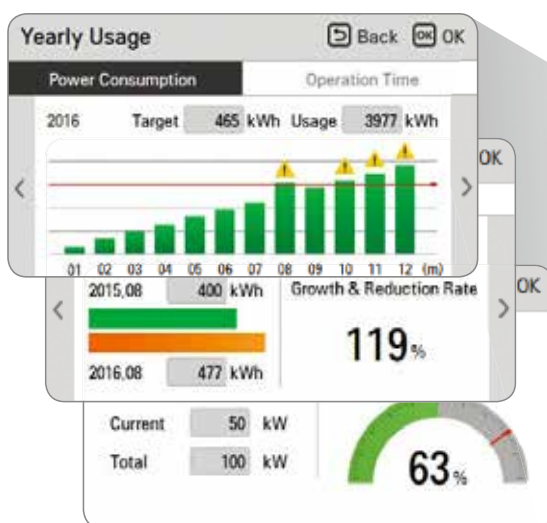
New Standard III Remote Controller of MULTI V 5 offers 4.3-inch large LCD screen with neat and premium design. This luxurious design well-matches interior design through large colored LCD screen with curved display and simple button layout which makes it easier to control. With diverse information offered such as temperature, humidity and cleanliness information, users can check on currently consumed power in real-time and electricity consumption data(weekly/monthly/annually) to predict and plan power consumption usage. Moreover, simple and geometrically neat design of user interface makes data comprehension visually easy. With circular visual theme, information are labelled in different-sized circles based on their priorities.

Intuitive & Emotional Interface



Luxurious Design

Energy Management



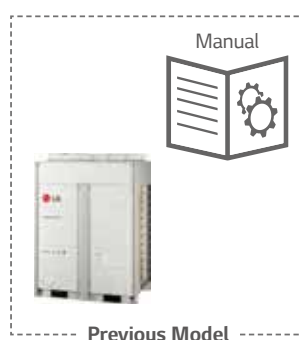
* Central control kit such as ACP IV or AC Smart IV and PDI are required for energy management function

Simple Test Run via LGMV

In order to bring out performance to the 100% level, proper product test run is necessary. For previous product, professional engineer who is well-aware of more than 40 different functional settings and 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, however, 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.

Test run comparison

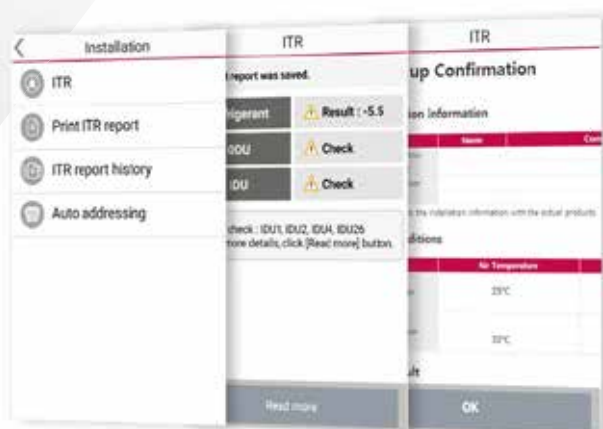
- Previous Model vs. MULTI V 5



LGMV smartphone application setting pages



Wi-Fi MV Module



37% Reduction in Installation Hours

* This feature is provided only to qualified professional installers

MULTI V 5

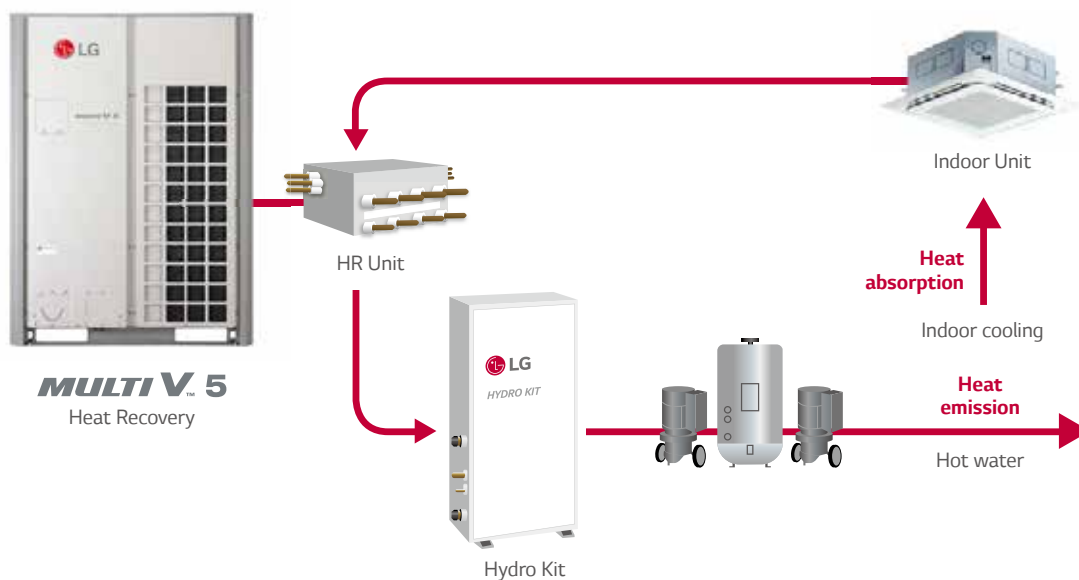
HEAT RECOVERY

Energy Saving with Simultaneous Operation

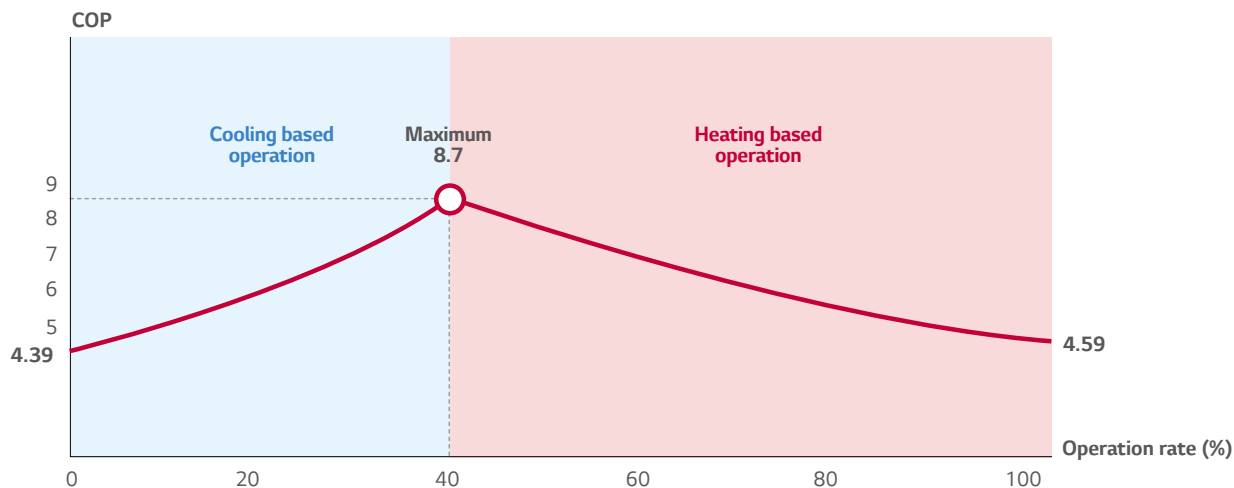
MULTI V 5 Heat Recovery system with HR Unit can perform both cooling and heating operations simultaneously. For continuous operation, it minimizes in order to switch mode while it increases efficiency with simultaneous operation.

Moreover, it allows the COP to reach up to 8.5 under circumstances of 40% cooling and 60% heating operations, which results in the decreased energy consumption up to 30%.

Technology mechanism



COP with simultaneous operation

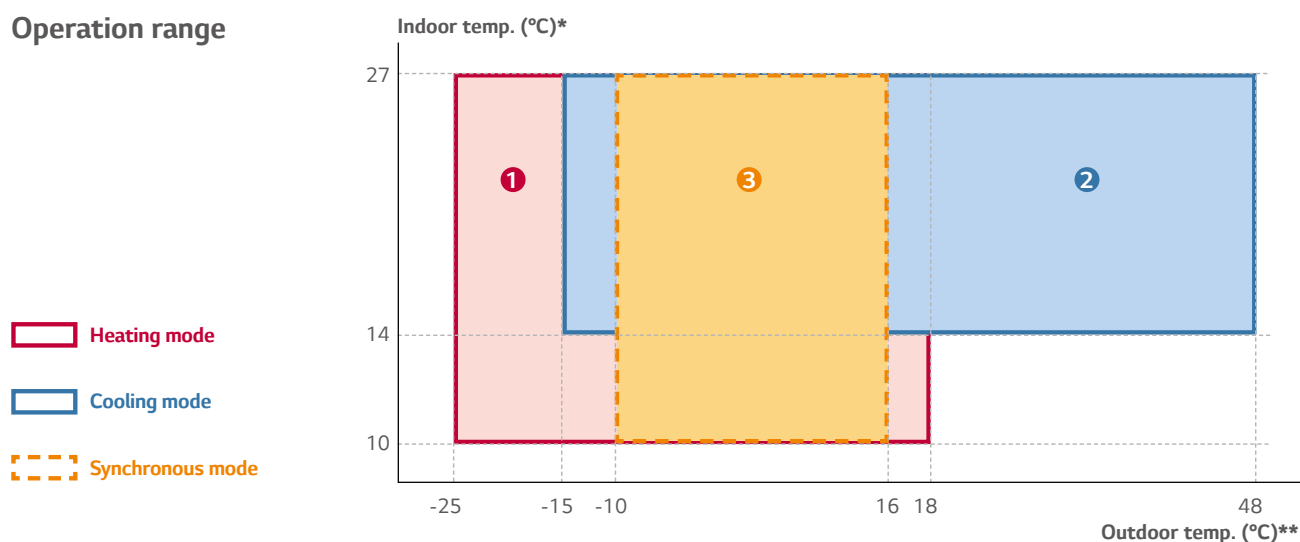


* Outdoor temperature : 7°C DB / 6°C WB
 * Indoor temperature : 20°CDB / 15°C WB
 * ARUM200LTE5

Wide Operation Range

Both the low and high temperature operation ranges are expanded through condenser with various control. For heating mode, the outdoor temperature can go from as low as -25°C to 24°C, and from -15°C to as high as 48°C for cooling mode. As for the synchronous mode, it can run from -10°C to 16°C.

Operation range



Outdoor Temperature

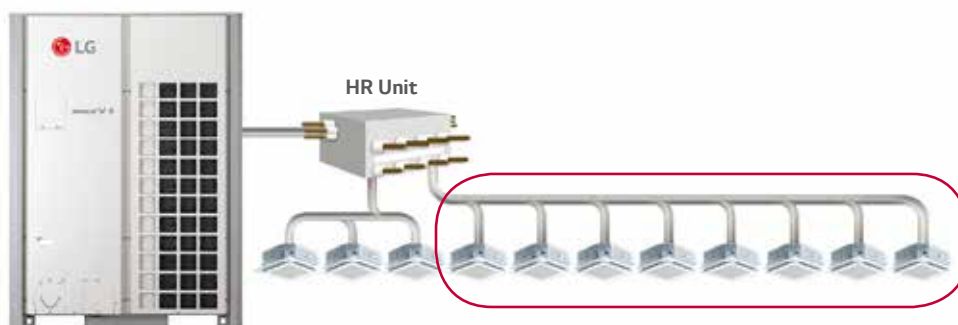
① Heating mode : - 25°C WB ~ 18°C WB ② Cooling mode : - 15°C DB ~ 48°C ③ Synchronous mode : -10°C WB ~ 16°C WB

* Heating (°C DB), Cooling (°C WB), Synchronous (°C DB) ** Heating (°C WB), Cooling (°C DB), Synchronous (°C WB)

Flexible Connection of Heat Recovery Unit

LG MULTI V 5 Heat Recovery Unit allows flexible connection both in series and in a row. With the zone control function, up to 8 indoor units can be connected to a branch while the maximum of 32 indoor units can be connected to a HR unit, saving the installation cost by flexible connection.

Zoning control



OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT PUMP

ARUN080LTE5 / ARUN100LTE5 / ARUN120LTE5 / ARUN140LTE5



| HP | | | 8 | 10 | 12 | 14 | |
|--|------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|--------|
| Model Name | Combination Unit | | ARUN080LTE5 | ARUN100LTE5 | ARUN120LTE5 | ARUN140LTE5 | |
| | Independent Unit | | ARUN080LTE5 | ARUN100LTE5 | ARUN120LTE5 | ARUN140LTE5 | |
| Capacity | Cooling (Rated) | kW | 22.4 | 28.0 | 33.6 | 39.2 | |
| | | Btu/h | 76,400 | 95,500 | 114,600 | 133,800 | |
| | Heating (Rated) | kW | 25.2 | 31.5 | 37.8 | 44.1 | |
| | | Btu/h | 86,000 | 107,500 | 129,000 | 150,500 | |
| Input | Cooling (Rated) | kW | 4.59 | 5.70 | 7.91 | 9.12 | |
| | Heating (Rated) | kW | 4.74 | 5.78 | 8.06 | 9.78 | |
| EER (Rated) | | | 4.88 | 4.91 | 4.25 | 4.30 | |
| COP (Rated) | | | 5.32 | 5.45 | 4.69 | 4.51 | |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 | |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | |
| Compressor | Motor Output × Number | W × No. | 5,300 × 1 | 5,300 × 1 | 5,300 × 1 | 5,300 × 1 | |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan | |
| | Motor Output × Number | W | 1,200 × 1 | 1,200 × 1 | 1,200 × 1 | 900 × 2 | |
| | Air Flow Rate(High) | m³/min | 240 × 1 | 240 × 1 | 240 × 1 | 320 × 1 | |
| | | ft³/min | 8,476 × 1 | 8,476 × 1 | 8,476 × 1 | 11,301 × 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 | |
| Pipe | Liquid Pipe | mm(inch) | 9.52(3/8) | 9.52(3/8) | 12.7(1/2) | 12.7(1/2) | |
| Connctions | Gas Pipe | mm(inch) | 19.05(3/4) | 22.2(7/8) | 28.58(1-1/8) | 28.58(1-1/8) | |
| Dimensions (W × H × D) | | | mm | (930 × 1,690 × 760) × 1 | (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 | |
| Net Weight | | | kg | 203 × 1 | 203 × 1 | 230 × 1 | |
| | | | lbs | 448 × 1 | 448 × 1 | 507 × 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. ×mm² (VCTF-SB) | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A | |
| | Precharged Amount in factory | kg | 10.0 | 10.0 | 10.0 | 13.0 | |
| | | lbs | 22.0 | 22.0 | 22.0 | 28.7 | |
| | TCO _{2eq} | | 20.9 | 20.9 | 20.9 | 27.1 | |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | |
| Power Supply | | | Ø, V, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | |
| | | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | |
| Number of maximum connectable indoor units ⁶⁾ | | | | 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)

ARUN160LTE5 / ARUN180LTE5 / ARUN200LTE5 / ARUN220LTE5



| HP | | | 16 | 18 | 20 | 22 |
|---|------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN160LTE5 | ARUN180LTE5 | ARUN200LTE5 | ARUN220LTE5 |
| | Independent Unit | | ARUN160LTE5 | ARUN180LTE5 | ARUN200LTE5 | ARUN220LTE5 |
| Capacity | Cooling (Rated) | kW | 44.8 | 50.4 | 56.0 | 61.6 |
| | | Btu/h | 152,900 | 172,000 | 191,100 | 210,200 |
| | Heating (Rated) | kW | 50.4 | 56.7 | 63.0 | 69.3 |
| | | Btu/h | 172,000 | 193,500 | 215,000 | 236,500 |
| Input | Cooling (Rated) | kW | 10.80 | 10.96 | 12.31 | 14.84 |
| | Heating (Rated) | kW | 11.59 | 12.06 | 15.52 | 17.54 |
| EER (Rated) | | | 4.15 | 4.60 | 4.55 | 4.15 |
| COP (Rated) | | | 4.35 | 4.70 | 4.06 | 3.95 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | 5,300 × 1 | 5,300 × 1 + 4,200 × 1 | 5,300 × 2 | 5,300 × 2 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 2 | 900 × 2 | 900 × 2 | 900 × 2 |
| | Air Flow Rate(High) | m³/min | 320 × 1 | 320 × 1 | 320 × 1 | 320 × 1 |
| | | ft³/min | 11,301 × 1 | 11,301 × 1 | 11,301 × 1 | 11,301 × 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 |
| Pipe | Liquid Pipe | mm(inch) | 12.7(1/2) | 15.88(5/8) | 15.88(5/8) | 15.88(5/8) |
| Connctions | 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 × H × D) | | mm | (1,240 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 |
| Net Weight | | | kg | 230 × 1 | 270 × 1 | 288 × 1 |
| | | | lbs | 507 × 1 | 595 × 1 | 635 × 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 13.0 | 13.0 | 14.0 | 14.0 |
| | | lbs | 28.7 | 28.7 | 30.9 | 30.9 |
| | TCO₂eq | | 27.1 | 27.1 | 29.2 | 29.2 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | | Ø, V, Hz | 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 ⁶⁾ | | | 26(40) | 29(45) | 32(50) | 35(56) |

Note

- Due to our policy of innovation some specifications may be changed without notification.
- 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.
- Power factor could vary less than ±1% according to the operating conditions.
- 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.
- 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.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT PUMP

ARUN240LTE5 / ARUN260LTE5 / ARUN221LTE5 / ARUN241LTE5



| 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 |
| EER (Rated) | | | 4.01 | 3.75 | 4.53 | 4.25 |
| COP (Rated) | | | 3.94 | 3.81 | 5.01 | 4.69 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | 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 × Number | W × No. | 5,300 × 2 | 5,300 × 2 | 5,300 × 2 | 5,300 × 2 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 2 | 900 × 2 | (1,200 × 1) + (1,200 × 1) | (1,200 × 1) + (1,200 × 1) |
| | Air Flow Rate(High) | m³/min | 320 × 1 | 320 × 1 | (240 × 1) + (240 × 1) | (240 × 1) + (240 × 1) |
| | | ft³/min | 11,301 × 1 | 11,301 × 1 | (8,476 × 1) + (8,476 × 1) | (8,476 × 1) + (8,476 × 1) |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe | Discharge | | Side / Top | TOP | TOP | TOP |
| | Liquid Pipe | | mm(inch) | 15.88(5/8) | 15.88(5/8) | 15.88(5/8) |
| Connctions | Gas Pipe | | mm(inch) | 34.9(1-3/8) | 28.58(1-1/8) | 34.9(1-3/8) |
| Dimensions (W × H × D) | | | mm | (1,240 × 1,690 × 760) × 1 | (930 × 1,690 × 760) × 2 | (930 × 1,690 × 760) × 2 |
| Net Weight | | | kg | 290 × 1 | 203 × 2 | 203 × 2 |
| | | | lbs | 639 × 1 | 448 × 2 | 448 × 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 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 _{2eq} | | 33.4 | 33.4 | 41.8 | 41.8 |
| | 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 |
| Number of maxmum connectable indoor units ⁶⁾ | | | 380, 3, 60 39(61) | 380, 3, 60 42(64) | 380, 3, 60 35(44) | 380, 3, 60 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)

ARUN261LTE5 / ARUN280LTE5 / ARUN300LTE5 / ARUN320LTE5



| HP | | | 26' | 28 | 30 | 32 |
|---|------------------------------------|------------|--|--|--|--|
| Model Name | Combination Unit | | ARUN261LTE5 | ARUN280LTE5 | ARUN300LTE5 | ARUN320LTE5 |
| | Independent Unit | | ARUN140LTE5 ARUN120LTE5 | ARUN160LTE5 ARUN120LTE5 | ARUN180LTE5 ARUN120LTE5 | ARUN200LTE5 ARUN120LTE5 |
| Capacity | Cooling (Rated) | kW | 72.8 | 78.4 | 84.0 | 89.6 |
| | | Btu/h | 248,400 | 267,500 | 286,600 | 305,700 |
| | Heating (Rated) | kW | 81.9 | 88.2 | 94.5 | 100.8 |
| | | Btu/h | 279,500 | 301,000 | 322,500 | 344,000 |
| Input | Cooling (Rated) | kW | 17.02 | 18.70 | 18.86 | 20.21 |
| | Heating (Rated) | kW | 17.84 | 19.65 | 20.12 | 23.58 |
| EER (Rated) | | | 4.28 | 4.19 | 4.45 | 4.43 |
| COP (Rated) | | | 4.59 | 4.49 | 4.70 | 4.28 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | 5,300 × 2 | 5,300 × 2 | (5,300 × 2) + (4,200 × 1) | (5,300 × 2) + (4,200 × 1) |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 2) + (1,200 × 1) | (900 × 2) + (1,200 × 1) | (900 × 2) + (1,200 × 1) | (900 × 2) + (1,200 × 1) |
| | Air Flow Rate(High) | m³/min | (320 × 1) + (240 × 1) | (320 × 1) + (240 × 1) | (320 × 1) + (240 × 1) | (320 × 1) + (240 × 1) |
| | | ft³/min | (11,301 × 1) + (8,476 × 1) | (11,301 × 1) + (8,476 × 1) | (11,301 × 1) + (8,476 × 1) | (11,301 × 1) + (8,476 × 1) |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | 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 × H × 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) |
| | | | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 |
| Net Weight | | | kg | (230 × 1) + (203 × 1) | (270 × 1) + (203 × 1) | (288 × 1) + (203 × 1) |
| | | | lbs | (507 × 1) + (448 × 1) | (595 × 1) + (448 × 1) | (635 × 1) + (448 × 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.×mm² (VCTF-SB) | 2C × 1.0 – 1.5 | 2C × 1.0 – 1.5 | 2C × 1.0 – 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 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 |
| 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 maxmum connectable indoor units ⁶⁾ | | | 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)

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT PUMP

ARUN340LTE5 / ARUN360LTE5 / ARUN380LTE5 / ARUN400LTE5



| HP | | | 34 | 36 | 38 | 40 |
|---|------------------------------------|----------|--|--|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN340LTE5 | ARUN360LTE5 | ARUN380LTE5 | ARUN400LTE5 |
| | Independent Unit | | ARUN220LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN140LTE5 | ARUN240LTE5 ARUN160LTE5 |
| Capacity | Cooling (Rated) | kW | 95.2 | 100.8 | 106.4 | 112.0 |
| | | Btu/h | 324,800 | 343,900 | 363,100 | 382,200 |
| | Heating (Rated) | kW | 107.1 | 112.1 | 118.4 | 124.7 |
| | | Btu/h | 365,500 | 382,400 | 403,900 | 425,400 |
| Input | Cooling (Rated) | kW | 22.75 | 24.66 | 25.87 | 27.55 |
| | Heating (Rated) | kW | 25.60 | 26.91 | 28.62 | 30.43 |
| EER (Rated) | | | 4.18 | 4.09 | 4.11 | 4.06 |
| COP (Rated) | | | 4.18 | 4.16 | 4.13 | 4.10 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | 5,300 × 3 | 5,300 × 3 | 5,300 × 3 | 5,300 × 3 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 2) + (1,200 × 1) | (900 × 2) + (1,200 × 1) | 900 × 4 | 900 × 4 |
| | Air Flow Rate(High) | m³/min | (320 × 1) + (240 × 1) | (320 × 1) + (240 × 1) | 320 × 2 | 320 × 2 |
| | | ft³/min | (11,301 × 1) + (8,476 × 1) | (11,301 × 1) + (8,476 × 1) | 11,301 × 2 | 11,301 × 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 |
| 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) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| Dimensions (W × H × D) | | mm | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 | (1,240 × 1,690 × 760) × 2 |
| Net Weight | | | | | | |
| | kg | | (288 × 1) + (203 × 1) | (290 × 1) + (203 × 1) | (290 × 1) + (230 × 1) | (290 × 1) + (230 × 1) |
| Sound Pressure Level | lbs | | (635 × 1) + (448 × 1) | (639 × 1) + (448 × 1) | (639 × 1) + (507 × 1) | (639 × 1) + (507 × 1) |
| | Cooling | dB(A) | 65.6 | 66.0 | 66.2 | 66.3 |
| Sound Power Level | Heating | dB(A) | 66.6 | 67.8 | 68.0 | 68.1 |
| | Cooling | dB(A) | 86.8 | 88.5 | 89.0 | 89.2 |
| Communication Cable | Heating | dB(A) | 88.6 | 90.4 | 91.0 | 91.2 |
| | No.×mm² (VCTF-SB) | | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 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 _{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 |
| Number of maxmum connectable indoor units ⁶⁾ | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| | | | 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)

ARUN420LTE5 / ARUN440LTE5 / ARUN460LTE5 / ARUN480LTE5



| HP | | | 42 | 44 | 46 | 48 |
|--|------------------------------------|-------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUN420LTE5 | ARUN440LTE5 | ARUN460LTE5 | ARUN480LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN180LTE5 | ARUN240LTE5 ARUN200LTE5 | ARUN240LTE5 ARUN220LTE5 | ARUN240LTE5 ARUN240LTE5 |
| Capacity | Cooling (Rated) | kW | 117.6 | 123.2 | 128.8 | 134.4 |
| | | Btu/h | 401,300 | 420,400 | 439,500 | 458,600 |
| | Heating (Rated) | kW | 131.0 | 137.3 | 143.6 | 148.5 |
| | | Btu/h | 446,900 | 468,400 | 489,900 | 506,800 |
| Input | Cooling (Rated) | kW | 27.71 | 29.07 | 31.60 | 33.52 |
| | Heating (Rated) | kW | 30.91 | 34.36 | 36.39 | 37.69 |
| EER (Rated) | | | 4.24 | 4.24 | 4.08 | 4.01 |
| COP (Rated) | | | 4.24 | 3.99 | 3.94 | 3.94 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | (5,300 × 3) + (4,200 × 1) | 5,300 × 4 | 5,300 × 4 | 5,300 × 4 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 4 | 900 × 4 | 900 × 4 | 900 × 4 |
| | Air Flow Rate(High) | m³/min | 320 × 2 | 320 × 2 | 320 × 2 | 320 × 2 |
| | | ft³/min | 11,301 × 2 | 11,301 × 2 | 11,301 × 2 | 11,301 × 2 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connections | 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 × H × D) | Gas Pipe | mm(inch) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| | mm | | (1,240 × 1,690 × 760) × 2 | (1,240 × 1,690 × 760) × 2 | (1,240 × 1,690 × 760) × 2 | (1,240 × 1,690 × 760) × 2 |
| Net Weight | kg | | (290 × 1) + (270 × 1) | (290 × 1) + (288 × 1) | (290 × 1) + (288 × 1) | 290 × 2 |
| | lbs | | (639 × 1) + (595 × 1) | (639 × 1) + (635 × 1) | (639 × 1) + (635 × 1) | 639 × 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 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 |
| | TCO₂eq | | 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 |
| Number of maximum connectable indoor units ⁶⁾ | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | |
| | | | 64 | 64 | 64 | 64 |

Note

- Due to our policy of innovation some specifications may be changed without notification.
- 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.
- Power factor could vary less than ±1% according to the operating conditions.
- 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.
- 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.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT PUMP

ARUN500LTE5 / ARUN520LTE5 / ARUN540LTE5 / ARUN560LTE5



| HP | | | 50 | 52 | 54 | 56 |
|---|------------------------------------|----------------------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUN500LTE5 | ARUN520LTE5 | ARUN540LTE5 | ARUN560LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN140LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN160LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN180LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN200LTE5 ARUN120LTE5 |
| Capacity | Cooling (Rated) | kW | 140.0 | 145.6 | 151.2 | 156.8 |
| | | Btu/h | 477,700 | 496,800 | 515,900 | 535,000 |
| | Heating (Rated) | kW | 156.2 | 162.5 | 168.8 | 175.1 |
| | | Btu/h | 532,900 | 554,400 | 575,900 | 597,400 |
| Input | Cooling (Rated) | kW | 33.78 | 35.46 | 35.62 | 36.97 |
| | Heating (Rated) | kW | 36.68 | 38.49 | 38.97 | 42.42 |
| EER (Rated) | | | 4.14 | 4.11 | 4.24 | 4.24 |
| COP (Rated) | | | 4.26 | 4.22 | 4.33 | 4.13 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | 5,300 × 4 | 5,300 × 4 | (5,300 × 4) + (4,200 × 1) | 5,300 × 5 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 4) + (1,200 × 1) | (900 × 4) + (1,200 × 1) | (900 × 4) + (1,200 × 1) | (900 × 4) + (1,200 × 1) |
| | Air Flow Rate(High) | m³/min | (320 × 2) + (240 × 1) | (320 × 2) + (240 × 1) | (320 × 2) + (240 × 1) | (320 × 2) + (240 × 1) |
| | | ft³/min | (11,301 × 2) + (8,476 × 1) | (11,301 × 2) + (8,476 × 1) | (11,301 × 2) + (8,476 × 1) | (11,301 × 2) + (8,476 × 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) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) | 41.3(1-5/8) |
| Dimensions (W × H × D) | | mm | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 |
| Net Weight | kg | | (290 × 1) + (230 × 1) + (203 × 1) | (290 × 1) + (230 × 1) + (203 × 1) | (290 × 1) + (270 × 1) + (203 × 1) | (290 × 1) + (288 × 1) + (203 × 1) |
| | lbs | | (639 × 1) + (507 × 1) + (448 × 1) | (639 × 1) + (507 × 1) + (448 × 1) | (639 × 1) + (595 × 1) + (448 × 1) | (639 × 1) + (635 × 1) + (448 × 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.×mm ² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 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 | | 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 ⁶⁾ | | | 64 | 64 | 64 | 64 |

Note

- Due to our policy of innovation some specifications may be changed without notification.
- 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.
- Power factor could vary less than ±1% according to the operating conditions.
- 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.
- 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.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)

ARUN580LTE5 / ARUN600LTE5 / ARUN620LTE5 / ARUN640LTE5



| HP | | | 58 | 60 | 62 | 64 |
|--|------------------------------------|----------------------|--|--|---|---|
| Model Name | Combination Unit | | ARUN580LTE5 | ARUN600LTE5 | ARUN620LTE5 | ARUN640LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN220LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN140LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN160LTE5 |
| Capacity | Cooling (Rated) | kW | 162.4 | 168.0 | 173.6 | 179.2 |
| | | Btu/h | 554,100 | 573,200 | 592,400 | 611,500 |
| | Heating (Rated) | kW | 181.4 | 186.3 | 192.6 | 198.9 |
| | | Btu/h | 618,900 | 635,800 | 657,300 | 678,800 |
| Input | Cooling (Rated) | kW | 39.51 | 41.42 | 42.63 | 44.31 |
| | Heating (Rated) | kW | 44.45 | 45.75 | 47.47 | 49.28 |
| EER (Rated) | | | 4.11 | 4.06 | 4.07 | 4.04 |
| COP (Rated) | | | 4.08 | 4.07 | 4.06 | 4.04 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | 5,300 × 5 | 5,300 × 5 | 5,300 × 5 | 5,300 × 5 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 4) + (1,200 × 1) | (900 × 4) + (1,200 × 1) | 900 × 6 | 900 × 6 |
| | Air Flow Rate(High) | m³/min | (320 × 2) + (240 × 1) | (320 × 2) + (240 × 1) | 320 × 3 | 320 × 3 |
| | | ft³/min | (11,301 × 2) + (8,476 × 1) | (11,301 × 2) + (8,476 × 1) | 11,301 × 3 | 11,301 × 3 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | 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 × H × D) | | mm | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 | (1,240 × 1,690 × 760) × 3 |
| Net Weight | | | kg | (290 × 1) + (288 × 1) + (203 × 1) | (290 × 2) + (230 × 1) | (290 × 2) + (230 × 1) |
| | | | lbs | (639 × 1) + (635 × 1) + (448 × 1) | (639 × 2) + (448 × 1) | (639 × 2) + (507 × 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 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 |
| | TCO₂eq | | 83.5 | 87.7 | 93.9 | 93.9 |
| Control | | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | | Ø, V, Hz | 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 ⁶⁾ | | | 64 | 64 | 64 | 64 |

Note

- Due to our policy of innovation some specifications may be changed without notification.
- 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.
- Power factor could vary less than ±1% according to the operating conditions.
- 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.
- 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.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT PUMP

ARUN660LTE5 / ARUN680LTE5 / ARUN700LTE5 / ARUN720LTE5



| HP | | | 66 | 68 | 70 | 72 |
|--|------------------------------------|----------------------|---|---|---|---|
| Model Name | Combination Unit | | ARUN660LTE5 | ARUN680LTE5 | ARUN700LTE5 | ARUN720LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN240LTE5 ARUN180LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN200LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN220LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 |
| Capacity | Cooling (Rated) | kW | 184.8 | 190.4 | 196.0 | 201.6 |
| | | Btu/h | 630,600 | 649,700 | 668,800 | 687,900 |
| | Heating (Rated) | kW | 205.2 | 211.5 | 217.8 | 222.8 |
| | | Btu/h | 700,300 | 721,800 | 743,300 | 760,200 |
| Input | Cooling (Rated) | kW | 44.47 | 45.82 | 48.36 | 50.27 |
| | Heating (Rated) | kW | 49.76 | 53.21 | 55.24 | 56.54 |
| EER (Rated) | | | 4.16 | 4.16 | 4.05 | 4.01 |
| COP (Rated) | | | 4.12 | 3.97 | 3.94 | 3.94 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | (5,300 × 5) + (4,200 × 1) | 5,300 × 6 | 5,300 × 6 | 5,300 × 6 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 6 | 900 × 6 | 900 × 6 | 900 × 6 |
| | Air Flow Rate(High) | m³/min | 320 × 3 | 320 × 3 | 320 × 3 | 320 × 3 |
| | | ft³/min | 11,301 × 3 | 11,301 × 3 | 11,301 × 3 | 11,301 × 3 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | 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 × H × D) | | mm | (1,240 × 1,690 × 760) × 3 | (1,240 × 1,690 × 760) × 3 | (1,240 × 1,690 × 760) × 3 | (1,240 × 1,690 × 760) × 3 |
| Net Weight | | kg | (290 × 2) + (270 × 1) | (290 × 2) + (288 × 1) | (290 × 2) + (288 × 1) | 290 × 3 |
| | | lbs | (639 × 2) + (595 × 1) | (639 × 2) + (635 × 1) | (639 × 2) + (635 × 1) | 639 × 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 + 16.0 + 13.0 | 16.0 + 16.0 + 14.0 | 16.0 + 16.0 + 14.0 | 16.0 + 16.0 + 16.0 |
| | | lbs | 35.3 + 35.3 + 28.7 | 35.3 + 35.3 + 30.9 | 35.3 + 35.3 + 30.9 | 35.3 + 35.3 + 35.3 |
| | TCO _{eq} | | 93.9 | 96.0 | 96.0 | 100.2 |
| | | Control | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | | Ø , V, Hz | 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 ⁶⁾ | | | 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)

ARUN740LTE5 / ARUN760LTE5 / ARUN780LTE5 / ARUN800LTE5



| HP | | | 74 | 76 | 78 | 80 |
|---|------------------------------------|------------|--|--|--|--|
| Model Name | Combination Unit | | ARUN740LTE5 | ARUN760LTE5 | ARUN780LTE5 | ARUN800LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN240LTE5 ARUN140LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN160LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN180LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN200LTE5 ARUN120LTE5 |
| Capacity | Cooling (Rated) | kW | 207.2 | 212.8 | 218.4 | 224.0 |
| | | Btu/h | 707,000 | 726,100 | 745,200 | 764,300 |
| | Heating (Rated) | kW | 230.4 | 236.7 | 243.0 | 249.3 |
| | | Btu/h | 786,300 | 807,800 | 829,300 | 850,800 |
| Input | Cooling (Rated) | kW | 50.54 | 52.22 | 52.38 | 53.73 |
| | Heating (Rated) | kW | 55.53 | 57.34 | 57.82 | 61.27 |
| EER (Rated) | | | 4.10 | 4.08 | 4.17 | 4.17 |
| COP (Rated) | | | 4.15 | 4.13 | 4.20 | 4.07 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | 5,300 × 6 | 5,300 × 6 | (5,300 × 6) + (4,200 × 1) | 5,300 × 7 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 6) + (1,200 × 1) | (900 × 6) + (1,200 × 1) | (900 × 6) + (1,200 × 1) | (900 × 6) + (1,200 × 1) |
| | Air Flow Rate(High) | m³/min | (320 × 3) + (240 × 1) | (320 × 3) + (240 × 1) | (320 × 3) + (240 × 1) | (320 × 3) + (240 × 1) |
| | | ft³/min | (11,301 × 3) + (8,476 × 1) | (11,301 × 3) + (8,476 × 1) | (11,301 × 3) + (8,476 × 1) | (11,301 × 3) + (8,476 × 1) |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) |
| Dimensions (W × H × D) | Gas Pipe | mm(inch) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) | 53.98(2-1/8) |
| | mm | | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 |
| Net Weight | kg | | (290 × 2) + (230 × 1) + (203 × 1) | (290 × 2) + (230 × 1) + (203 × 1) | (290 × 2) + (270 × 1) + (203 × 1) | (290 × 2) + (288 × 1) + (203 × 1) |
| | lbs | | (639 × 2) + (507 × 1) + (448 × 1) | (639 × 2) + (507 × 1) + (448 × 1) | (639 × 2) + (595 × 1) + (448 × 1) | (639 × 2) + (635 × 1) + (448 × 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 16.0 + 16.0 + 13.0 + 10.0 | 16.0 + 16.0 + 13.0 + 10.0 | 16.0 + 16.0 + 13.0 + 10.0 | 16.0 + 16.0 + 14.0 + 10.0 |
| | | lbs | 35.3 + 35.3 + 28.7 + 22.0 | 35.3 + 35.3 + 28.7 + 22.0 | 35.3 + 35.3 + 28.7 + 22.0 | 35.3 + 35.3 + 30.9 + 22.0 |
| | TCO _{2eq} | | 114.8 | 114.8 | 114.8 | 116.9 |
| 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 ⁶⁾ | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| | | | 64 | 64 | 64 | 64 |

Note

- Due to our policy of innovation some specifications may be changed without notification.
- 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.
- Power factor could vary less than ±1% according to the operating conditions.
- 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.
- 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.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT PUMP

ARUN820LTE5 / ARUN840LTE5 / ARUN860LTE5 / ARUN880LTE5



| HP | | | 82 | 84 | 86 | 88 |
|---|------------------------------------|----------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUN820LTE5 | ARUN840LTE5 | ARUN860LTE5 | ARUN880LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN240LTE5 ARUN220LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN120LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN140LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN160LTE5 |
| Capacity | Cooling (Rated) | kW | 229.6 | 235.2 | 240.8 | 246.4 |
| | | Btu/h | 783,400 | 802,500 | 821,700 | 840,800 |
| | Heating (Rated) | kW | 255.6 | 260.6 | 266.9 | 273.2 |
| | | Btu/h | 872,300 | 889,200 | 910,700 | 932,200 |
| Input | Cooling (Rated) | kW | 56.27 | 58.18 | 59.39 | 61.07 |
| | Heating (Rated) | kW | 63.30 | 64.60 | 66.32 | 68.13 |
| EER (Rated) | | | 4.08 | 4.04 | 4.05 | 4.03 |
| COP (Rated) | | | 4.04 | 4.03 | 4.02 | 4.01 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | 5,300 × 7 | 5,300 × 7 | 5,300 × 7 | 5,300 × 7 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 6) + (1,200 × 1) | (900 × 6) + (1,200 × 1) | 900 × 8 | 900 × 8 |
| | Air Flow Rate (High) | m³/min | (320 × 3) + (240 × 1) | (320 × 3) + (240 × 1) | 320 × 4 | 320 × 4 |
| | | ft³/min | (11,301 × 3) + (8,476 × 1) | (11,301 × 3) + (8,476 × 1) | 11,301 × 4 | 11,301 × 4 |
| | External Static Pressure (Max, Pa) | | 80 | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connctions | 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 × H × D) | | mm | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 4 | (1,240 × 1,690 × 760) × 4 |
| Net Weight | | kg | (290 × 2) + (288 × 1) + (203 × 1) | (290 × 3) + (203 × 1) | (290 × 3) + (230 × 1) | (290 × 3) + (230 × 1) |
| | | lbs | (639 × 2) + (635 × 1) + (448 × 1) | (639 × 3) + (448 × 1) | (639 × 3) + (507 × 1) | (639 × 3) + (507 × 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 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 | 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 maxmum connectable indoor units ⁶⁾ | | | 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)

ARUN900LTE5 / ARUN920LTE5 / ARUN940LTE5 / ARUN960LTE5



| HP | | | 90 | 92 | 94 | 96 |
|--|------------------------------|------------------------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUN900LTE5 | ARUN920LTE5 | ARUN940LTE5 | ARUN960LTE5 |
| | Independent Unit | | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN180LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN200LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN220LTE5 | ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 ARUN240LTE5 |
| Capacity | Cooling (Rated) | kW | 252.0 | 257.6 | 263.2 | 268.8 |
| | | Btu/h | 859,900 | 879,000 | 898,100 | 917,200 |
| | Heating (Rated) | kW | 279.5 | 285.8 | 292.1 | 297.0 |
| | | Btu/h | 953,700 | 975,200 | 996,700 | 1,013,600 |
| Input | Cooling (Rated) | kW | 61.23 | 62.58 | 65.12 | 67.03 |
| | Heating (Rated) | kW | 68.60 | 72.06 | 74.08 | 75.39 |
| EER (Rated) | | | 4.12 | 4.12 | 4.04 | 4.01 |
| COP (Rated) | | | 4.07 | 3.97 | 3.94 | 3.94 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus | Wide Louver Plus |
| Compressor | Motor Output × Number | W × No. | (5,300 × 7) + (4,200 × 1) | 5,300 × 8 | 5,300 × 8 | 5,300 × 8 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 8 | 900 × 8 | 900 × 8 | 900 × 8 |
| | | m³/min | 320 × 4 | 320 × 4 | 320 × 4 | 320 × 4 |
| | Air Flow Rate(High) | ft³/min | 11,301 × 4 | 11,301 × 4 | 11,301 × 4 | 11,301 × 4 |
| | | External Static Pressure (Max, Pa) | | 80 | 80 | 80 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions | Discharge | | Side / Top | TOP | TOP | TOP |
| | 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 × H × D) | | mm | (1,240 × 1,690 × 760) × 4 | (1,240 × 1,690 × 760) × 4 | (1,240 × 1,690 × 760) × 4 | (1,240 × 1,690 × 760) × 4 |
| Net Weight | | | kg | (290 × 3) + (270 × 1) | (290 × 3) + (288 × 1) | (290 × 3) + (288 × 1) |
| | | | lbs | (639 × 3) + (595 × 1) | (639 × 3) + (635 × 1) | (639 × 3) + (635 × 1) |
| Sound Pressure Level | Cooling | dB(A) | 70.3 | 70.4 | 70.9 | 71.0 |
| | Heating | dB(A) | 72.2 | 72.5 | 72.7 | 73.0 |
| Sound Power Level | Cooling | dB(A) | 93.4 | 93.6 | 93.6 | 94.0 |
| | Heating | dB(A) | 95.3 | 95.4 | 95.6 | 96.0 |
| Communication Cable | | No. xmm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 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 |
| | TCO₂eq | | 127.3 | 129.4 | 129.4 | 133.6 |
| Control | | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | | Ø, V, Hz | 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 ⁶⁾ | | | 64 | 64 | 64 | 64 |

Note

- Due to our policy of innovation some specifications may be changed without notification.
- 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.
- Power factor could vary less than ±1% according to the operating conditions.
- 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.
- 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.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT RECOVERY

ARUM080LTE5/ ARUM100LTE5 / ARUM120LTE5 / ARUM140LTE5



| HP | | | 8 | 10 | 12 | 14 |
|--|------------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUM080LTE5 | ARUM100LTE5 | ARUM120LTE5 | ARUM140LTE5 |
| | Independent Unit | | ARUM080LTE5 | ARUM100LTE5 | ARUM120LTE5 | ARUM140LTE5 |
| Capacity | Cooling (Rated) | kW | 22.4 | 28.0 | 33.6 | 39.2 |
| | | Btu/h | 76,400 | 95,500 | 114,600 | 133,800 |
| | Heating (Rated) | kW | 22.4 | 28.0 | 33.6 | 39.2 |
| | | Btu/h | 76,400 | 95,500 | 114,600 | 133,800 |
| | Heating (Max) | kW | 25.2 | 31.5 | 37.8 | 44.1 |
| | | Btu/h | 86,000 | 107,500 | 129,000 | 150,500 |
| Input ¹⁾ | Cooling (Rated) | kW | 4.49 | 5.80 | 7.58 | 8.68 |
| | Heating (Rated) | kW | 3.97 | 4.92 | 6.85 | 8.13 |
| | Heating (Max) | kW | 4.78 | 5.92 | 8.26 | 9.72 |
| EER ¹⁾ | | | 4.99 | 4.83 | 4.43 | 4.52 |
| ESEER ¹⁾ | | | 8.41 | 8.13 | 7.47 | 7.33 |
| COP ¹⁾ | Rated capacity | | 5.64 | 5.69 | 4.91 | 4.82 |
| | Max. capacity | | 5.27 | 5.32 | 4.58 | 4.54 |
| Input ²⁾ | Cooling (Rated) | kW | 4.28 | 5.22 | 6.84 | 8.39 |
| | Heating (Rated) | kW | 3.92 | 4.74 | 6.73 | 8.33 |
| | Heating (Max) | kW | 4.54 | 5.46 | 7.73 | 9.55 |
| EER ²⁾ | | | 5.23 | 5.36 | 4.91 | 4.67 |
| IEER ²⁾ | | | 9.33 | 9.01 | 8.26 | 8.43 |
| COP ²⁾ | Rated capacity | | 5.71 | 5.91 | 4.99 | 4.71 |
| | Max. capacity | | 5.55 | 5.77 | 4.89 | 4.62 |
| 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | 4,200 × 1 | 5,300 × 1 | 5,300 × 1 | 5,300 × 1 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output × Number | W | 1,200 × 1 | 1,200 × 1 | 1,200 × 1 | 900 × 2 |
| | Air Flow Rate(High) | m ³ /min | 240 × 1 | 240 × 1 | 240 × 1 | 320 × 1 |
| | | ft ³ /min | 8,476 × 1 | 8,476 × 1 | 8,476 × 1 | 1,1301 × 1 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connections #1 | Liquid Pipe | mm(inch) | 9.52(3/8) | 9.52(3/8) | 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) |
| | High Pressure Gas Pipe | mm(inch) | 15.88(5/8) | 19.05(3/4) | 19.05(3/4) | 22.2(7/8) |
| Dimensions(W × H × D) | | mm | (930 × 1,690 × 760) × 1 | (930 × 1,690 × 760) × 1 | (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 |
| Net Weight | | kg | 198 × 1 | 215 × 1 | 215 × 1 | 237 × 1 |
| | | lbs | 437 × 1 | 474 × 1 | 474 × 1 | 522 × 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.×mm ² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 7.5 | 9.5 | 9.5 | 13.5 |
| | | lbs | 16.5 | 20.9 | 20.9 | 29.8 |
| | TCO ₂ eq | | | 15.7 | 19.8 | 19.8 |
| 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 ⁸⁾ | | | 13(20) | 16(25) | 20(30) | 23(35) |

* 1) Eurovent, 2) ISO test condition

ARUM160LTE5 / ARUM180LTE5 / ARUM200LTE5 / ARUM220LTE5



| HP | | | 16 | 18 | 20 | 22 |
|--|------------------------------|----------------------|----------------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUM160LTE5 | ARUM180LTE5 | ARUM200LTE5 | ARUM220LTE5 |
| | Independent Unit | | ARUM160LTE5 | ARUM180LTE5 | ARUM200LTE5 | ARUM220LTE5 |
| Capacity | Cooling (Rated) | kW | 44.8 | 50.4 | 56.0 | 61.6 |
| | | Btu/h | 152,900 | 172,000 | 191,100 | 210,200 |
| | Heating (Rated) | kW | 44.8 | 50.4 | 56.0 | 61.6 |
| | | Btu/h | 152,900 | 172,000 | 191,100 | 210,200 |
| | Heating (Max) | kW | 50.4 | 56.7 | 63.0 | 69.3 |
| | | Btu/h | 172,000 | 193,500 | 215,000 | 236,500 |
| Input ¹⁾ | Cooling (Rated) | kW | 10.89 | 10.91 | 12.77 | 15.70 |
| | Heating (Rated) | kW | 10.28 | 10.12 | 12.20 | 14.15 |
| | Heating (Max) | kW | 12.39 | 11.94 | 14.69 | 16.76 |
| EER ¹⁾ | | | 4.11 | 4.62 | 4.39 | 3.92 |
| ESEER ¹⁾ | | | 6.59 | 7.40 | 7.03 | 6.68 |
| COP ¹⁾ | Rated capacity | | 4.36 | 4.98 | 4.59 | 4.35 |
| | Max. capacity | | 4.07 | 4.75 | 4.29 | 4.13 |
| Input ²⁾ | Cooling (Rated) | kW | 10.41 | 9.83 | 11.51 | 14.15 |
| | Heating (Rated) | kW | 10.11 | 9.52 | 11.42 | 13.14 |
| | Heating (Max) | kW | 11.57 | 11.13 | 13.26 | 15.20 |
| EER ²⁾ | | | 4.30 | 5.13 | 4.87 | 4.35 |
| IEER ²⁾ | | | 8.02 | 8.62 | 8.12 | 7.77 |
| COP ²⁾ | Rated capacity | | 4.43 | 5.29 | 4.90 | 4.69 |
| | Max. capacity | | 4.36 | 5.09 | 4.75 | 4.56 |
| 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | 5,300 × 1 | 5,300 × 1 + 4,200 × 1 | 5,300 × 1 + 4,200 × 1 | 5,300 × 1 + 4,200 × 1 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 2 | 900 × 2 | 900 × 2 | 900 × 2 |
| | Air Flow Rate (High) | m ³ /min | 320 × 1 | 320 × 1 | 320 × 1 | 320 × 1 |
| | | ft ³ /min | 1,1301 × 1 | 1,1301 × 1 | 1,1301 × 1 | 1,1301 × 1 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions #1 | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 12.7(1/2) | 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) |
| | High Pressure Gas Pipe | mm(inch) | 22.2(7/8) | 22.2(7/8) | 22.2(7/8) | 28.58(1-1/8) |
| Dimensions (W × H × D) | | | mm | (1,240 × 1,690 × 760)×1 | (1,240 × 1,690 × 760)×1 | (1,240 × 1,690 × 760)×1 |
| Net Weight | | | kg | 237 × 1 | 300 × 1 | 300 × 1 |
| | | | lbs | 522 × 1 | 661 × 1 | 661 × 1 |
| Sound Pressure Level | Cooling | dB(A) | 60.5 | 61.0 | 62.0 | 64.5 |
| Sound Power Level | Heating | dB(A) | 61.5 | 62.0 | 64.5 | 65.5 |
| | Cooling | dB(A) | 83.0 | 85.0 | 86.0 | 86.0 |
| Power Level | Heating | dB(A) | 85.0 | 86.0 | 87.0 | 88.0 |
| | Communication Cable | | No.×mm ² (VCTF-SB) | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 13.5 | 16.0 | 16.0 | 16.0 |
| | | lbs | 29.8 | 35.3 | 35.3 | 35.3 |
| | TCO _{eq} | | 28.2 | 33.4 | 33.4 | 33.4 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | Ø, V, Hz | | 380~415, 3, 50 | 380~415, 3, 50 | 380~415, 3, 50 | 380~415, 3, 50 |
| Number of maximum connectable indoor units ⁸⁾ | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| | | | 26(40) | 29(45) | 32(50) | 35(56) |

* 1) Eurovent, 2) ISO test condition

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT RECOVERY

ARUM240LTE5 / ARUM260LTE5 / ARUM221LTE5 / ARUM241LTE5



| HP | | | 24 | 26 | 22' | 24' |
|---|------------------------------|----------------------|----------------------------|----------------------------|--|--|
| Model Name | Combination Unit | | ARUM240LTE5 | ARUM260LTE5 | ARUM221LTE5 | ARUM241LTE5 |
| | Independent Unit | | ARUM240LTE5 | ARUM260LTE5 | ARUM120LTE5 ARUM100LTE5 | ARUM120LTE5 ARUM120LTE5 |
| Capacity | Cooling (Rated) | kW | 67.2 | 72.8 | 61.6 | 67.2 |
| | | Btu/h | 229,300 | 248,400 | 210,200 | 229,300 |
| | Heating (Rated) | kW | 67.2 | 67.2 | 61.6 | 67.2 |
| | | Btu/h | 229,300 | 229,300 | 210,200 | 229,300 |
| | Heating (Max) | kW | 74.3 | 74.3 | 69.3 | 75.6 |
| | | Btu/h | 253,400 | 253,400 | 236,500 | 257,900 |
| Input ¹⁾ | Cooling (Rated) | kW | 17.40 | 20.20 | 13.4 | 15.2 |
| | Heating (Rated) | kW | 15.89 | 15.99 | 11.8 | 13.7 |
| | Heating (Max) | kW | 18.80 | 19.15 | 14.2 | 16.5 |
| EER ¹⁾ | | | 3.86 | 3.60 | 4.60 | 4.43 |
| ESEER ¹⁾ | | | 6.57 | 6.34 | 7.76 | 7.47 |
| COP ¹⁾ | Rated capacity | | 4.23 | 4.20 | 5.23 | 4.91 |
| | Max. capacity | | 3.95 | 3.88 | 4.89 | 4.58 |
| Input ²⁾ | Cooling (Rated) | kW | 15.91 | 18.03 | 12.1 | 13.7 |
| | Heating (Rated) | kW | 15.06 | 15.68 | 11.5 | 13.5 |
| | Heating (Max) | kW | 17.13 | 17.55 | 13.2 | 15.5 |
| EER ²⁾ | | | 4.22 | 4.04 | 5.11 | 4.91 |
| IEER ²⁾ | | | 7.62 | 7.38 | 8.59 | 8.26 |
| COP ²⁾ | Rated capacity | | 4.46 | 4.29 | 5.37 | 4.99 |
| | Max. capacity | | 4.33 | 4.23 | 5.25 | 4.89 |
| 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | 5,300 × 2 | 5,300 × 2 | 5,300 × 2 | 5,300 × 2 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 2 | 900 × 2 | (1,200 × 1) + (1,200 × 1) | (1,200 × 1) + (1,200 × 1) |
| | Air Flow Rate (High) | m³/min | 320 × 1 | 320 × 1 | (240 × 1) + (240 × 1) | (240 × 1) + (240 × 1) |
| | | ft³/min | 1,1301 × 1 | 1,1301 × 1 | (8,476 × 1) + (8,476 × 1) | (8,476 × 1) + (8,476 × 1) |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions #1 | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 15.88(5/8) | 19.05(3/4) | 15.88(5/8) | 15.88(5/8) |
| | Low Pressure Gas Pipe | mm(inch) | 34.9(1-3/8) | 34.9(1-3/8) | 28.58(1-1/8) | 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) |
| Dimensions (W × H × D) | | mm | (1,240 × 1,690 × 760)×1 | (1,240 × 1,690 × 760)×1 | (930 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (930 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 |
| Net Weight | | kg | 310 × 1 | 310 × 1 | (215 × 1) + (215 × 1) | (215 × 1) + (215 × 1) |
| | | lbs | 683 × 1 | 683 × 1 | (474 × 1) + (474 × 1) | (474 × 1) + (474 × 1) |
| Sound | Cooling | dB(A) | 65.0 | 65.0 | 61.5 | 62.0 |
| Pressure Level | Heating | dB(A) | 67.0 | 67.0 | 62.5 | 63.0 |
| Sound | Cooling | dB(A) | 88.0 | 88.0 | 81.5 | 82.0 |
| Power Level | Heating | dB(A) | 90.0 | 90.0 | 82.5 | 83.0 |
| Communication Cable | | No.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 17.0 | 17.0 | 19.0 | 19.0 |
| | | lbs | 37.5 | 37.5 | 41.9 | 41.9 |
| | TCO ₂ eq | | 35.5 | 35.5 | 39.7 | 39.7 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | | Ø , V, Hz | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 | 380-415, 3, 50 |
| Number of maxmum connectable indoor units ⁸⁾ | | | 380, 3, 60 39(61) | 380, 3, 60 42(64) | 380, 3, 60 35(44) | 380, 3, 60 39(48) |

* 1) Eurovent, 2) ISO test condition

ARUM261LTE5 / ARUM280LTE5 / ARUM300LTE5 / ARUM320LTE5



| HP | | | 26' | 28 | 30 | 32 |
|---|------------------------------|----------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUM261LTE5 | ARUM280LTE5 | ARUM300LTE5 | ARUM320LTE5 |
| | Independent Unit | | ARUM140LTE5 ARUM120LTE5 | ARUM160LTE5 ARUM120LTE5 | ARUM180LTE5 ARUM120LTE5 | ARUM200LTE5 ARUM120LTE5 |
| Capacity | Cooling (Rated) | kW | 72.8 | 78.4 | 84.0 | 89.6 |
| | | Btu/h | 248,400 | 267,500 | 286,600 | 305,700 |
| | Heating (Rated) | kW | 72.8 | 78.4 | 84.0 | 89.6 |
| | | Btu/h | 248,400 | 267,500 | 286,600 | 305,700 |
| | Heating (Max) | kW | 81.9 | 88.2 | 94.5 | 100.8 |
| | | Btu/h | 279,400 | 300,900 | 322,400 | 343,900 |
| Input ¹⁾ | Cooling (Rated) | kW | 16.3 | 18.5 | 18.5 | 20.4 |
| | Heating (Rated) | kW | 15.0 | 17.1 | 17.0 | 19.1 |
| | Heating (Max) | kW | 18.0 | 20.7 | 20.2 | 22.9 |
| EER ¹⁾ | | | 4.48 | 4.24 | 4.54 | 4.40 |
| ESEER ¹⁾ | | | 7.39 | 6.94 | 7.43 | 7.19 |
| COP ¹⁾ | Rated capacity | | 4.86 | 4.58 | 4.95 | 4.70 |
| | Max. capacity | | 4.56 | 4.27 | 4.68 | 4.39 |
| Input ²⁾ | Cooling (Rated) | kW | 15.2 | 17.3 | 16.7 | 18.4 |
| | Heating (Rated) | kW | 15.1 | 16.84 | 16.25 | 18.15 |
| | Heating (Max) | kW | 17.3 | 19.30 | 18.86 | 20.99 |
| EER ²⁾ | | | 4.78 | 4.54 | 5.04 | 4.88 |
| IEER ²⁾ | | | 8.35 | 8.12 | 8.47 | 8.17 |
| COP ²⁾ | Rated capacity | | 4.83 | 4.66 | 5.17 | 4.94 |
| | Max. capacity | | 4.74 | 4.57 | 5.01 | 4.80 |
| 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | 5,300 × 2 | 5,300 × 2 | (5,300 × 2) + (4,200 × 1) | (5,300 × 2) + (4,200 × 1) |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 2) + (1,200 × 1) | (900 × 2) + (1,200 × 1) | (900 × 2) + (1,200 × 1) | (900 × 2) + (1,200 × 1) |
| | Air Flow Rate (High) | m³/min | (320 × 1) + (240 × 1) | (320 × 1) + (240 × 1) | (320 × 1) + (240 × 1) | (320 × 1) + (240 × 1) |
| | | ft³/min | (11,301 × 1) + (8,476 × 1) | (11,301 × 1) + (8,476 × 1) | (11,301 × 1) + (8,476 × 1) | (11,301 × 1) + (8,476 × 1) |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions #1 | Discharge | | Side / Top | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 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) |
| | 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) |
| Dimensions (W × H × D) | | mm | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 |
| Net Weight | kg | | (237 × 1) + (215 × 1) | (237 × 1) + (215 × 1) | (300 × 1) + (215 × 1) | (300 × 1) + (215 × 1) |
| | lbs | | (522 × 1) + (474 × 1) | (522 × 1) + (474 × 1) | (661 × 1) + (474 × 1) | (661 × 1) + (474 × 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 |
| 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 23.0 | 23.0 | 25.5 | 25.5 |
| | | lbs | 50.7 | 50.7 | 56.2 | 56.2 |
| | TCO₂eq | | 48.0 | 48.0 | 53.2 | 53.2 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | | Ø, V, Hz | 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 ⁸⁾ | | | 42(52) | 45(56) | 49(60) | 52(64) |

* 1) Eurovent, 2) ISO test condition

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT RECOVERY

ARUM340LTE5 / ARUM360LTE5 / ARUM380LTE5 / ARUM400LTE5



| HP | | | 34 | 36 | 38 | 40 |
|---|------------------------------|----------------------|--|--|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUM340LTE5 | ARUM360LTE5 | ARUM380LTE5 | ARUM400LTE5 |
| | Independent Unit | | ARUM220LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM140LTE5 | ARUM240LTE5 ARUM160LTE5 |
| Capacity | Cooling (Rated) | kW | 95.2 | 100.8 | 106.4 | 112.0 |
| | | Btu/h | 324,800 | 343,900 | 363,000 | 382,100 |
| | Heating (Rated) | kW | 95.2 | 100.8 | 106.4 | 112.0 |
| | | Btu/h | 324,800 | 343,900 | 363,000 | 382,100 |
| | Heating (Max) | kW | 107.1 | 112.1 | 118.4 | 124.7 |
| | | Btu/h | 365,400 | 382,300 | 403,800 | 425,300 |
| Input ¹⁾ | Cooling (Rated) | kW | 23.3 | 25.0 | 26.1 | 28.3 |
| | Heating (Rated) | kW | 21.0 | 22.7 | 24.0 | 26.2 |
| | Heating (Max) | kW | 25.0 | 27.1 | 28.5 | 31.2 |
| EER ¹⁾ | | | 4.09 | 4.04 | 4.08 | 3.96 |
| ESEER ¹⁾ | | | 6.94 | 6.85 | 6.83 | 6.58 |
| COP ¹⁾ | Rated capacity | | 4.53 | 4.43 | 4.43 | 4.28 |
| | Max. capacity | | 4.28 | 4.14 | 4.15 | 4.00 |
| Input ²⁾ | Cooling (Rated) | kW | 21.0 | 22.8 | 24.3 | 26.3 |
| | Heating (Rated) | kW | 19.87 | 21.79 | 23.39 | 25.17 |
| | Heating (Max) | kW | 22.93 | 24.86 | 26.68 | 28.70 |
| EER ²⁾ | | | 4.54 | 4.43 | 4.38 | 4.26 |
| IEER ²⁾ | | | 7.93 | 7.82 | 7.90 | 7.77 |
| COP ²⁾ | Rated capacity | | 4.79 | 4.63 | 4.55 | 4.45 |
| | Max. capacity | | 4.67 | 4.51 | 4.44 | 4.34 |
| 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | (5,300 × 2) + (4,200 × 1) | 5,300 × 3 | 5,300 × 3 | 5,300 × 3 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 2) + (1,200 × 1) | (900 × 2) + (1,200 × 1) | 900 × 4 | 900 × 4 |
| | Air Flow Rate (High) | m³/min | (320 × 1) + (240 × 1) | (320 × 1) + (240 × 1) | 320 × 2 | 320 × 2 |
| | | ft³/min | (11,301 × 1) + (8,476 × 1) | (11,301 × 1) + (8,476 × 1) | 11,301 × 2 | 11,301 × 2 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | | Side / Top | TOP | TOP | TOP |
| Pipe Connctions #1 | Liquid Pipe | mm(inch) | 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) | 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) | 34.9(1-3/8) | 34.9(1-3/8) |
| Dimensions (W × H × D) | | mm | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 | (1,240 × 1,690 × 760) × 2 |
| Net Weight | | kg | (300 × 1) + (215 × 1) | (310 × 1) + (215 × 1) | (310 × 1) + (237 × 1) | (310 × 1) + (237 × 1) |
| | | lbs | (661 × 1) + (474 × 1) | (683 × 1) + (474 × 1) | (683 × 1) + (522 × 1) | (683 × 1) + (522 × 1) |
| Sound | Cooling | dB(A) | 65.6 | 66.0 | 66.2 | 66.3 |
| Pressure Level | Heating | dB(A) | 66.6 | 67.8 | 68.0 | 68.1 |
| Sound | Cooling | dB(A) | 86.8 | 88.5 | 89.0 | 89.2 |
| Power Level | Heating | dB(A) | 88.6 | 90.4 | 91.0 | 91.2 |
| Communication Cable | | No.×mm² (VCTF-SB) | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 25.5 | 26.5 | 30.5 | 30.5 |
| | | lbs | 56.2 | 58.4 | 67.2 | 67.2 |
| | TCO₂eq | | 53.2 | 55.3 | 63.7 | 63.7 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | | Ø, V, Hz | 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 ⁸⁾ | | | 55(64) | 58(64) | 61(64) | 64 |

* 1) Eurovent, 2) ISO test condition

ARUM420LTE5 / ARUM440LTE5 / ARUM460LTE5 / ARUM480LTE5



| HP | | | 42 | 44 | 46 | 48 |
|--|------------------------------|---------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Model Name | Combination Unit | | ARUM420LTE5 | ARUM440LTE5 | ARUM460LTE5 | ARUM480LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM180LTE5 | ARUM240LTE5 ARUM200LTE5 | ARUM240LTE5 ARUM220LTE5 | ARUM240LTE5 ARUM240LTE5 |
| Capacity | Cooling (Rated) | kW | 117.6 | 123.2 | 128.8 | 134.4 |
| | | Btu/h | 401,300 | 420,400 | 439,500 | 458,600 |
| | Heating (Rated) | kW | 117.6 | 123.2 | 128.8 | 134.4 |
| | | Btu/h | 401,300 | 420,400 | 439,500 | 458,600 |
| | Heating (Max) | kW | 131.0 | 137.3 | 143.6 | 148.5 |
| | | Btu/h | 446,800 | 468,300 | 489,800 | 506,700 |
| Input ¹⁾ | Cooling (Rated) | kW | 28.3 | 30.2 | 33.1 | 34.8 |
| | Heating (Rated) | kW | 26.0 | 28.1 | 30.0 | 31.8 |
| | Heating (Max) | kW | 30.7 | 33.5 | 35.6 | 37.6 |
| EER ¹⁾ | | | 4.15 | 4.08 | 3.89 | 3.86 |
| ESEER ¹⁾ | | | 6.90 | 6.77 | 6.62 | 6.57 |
| COP ¹⁾ | Rated capacity | | 4.52 | 4.39 | 4.29 | 4.23 |
| | Max. capacity | | 4.26 | 4.10 | 4.04 | 3.95 |
| Input ²⁾ | Cooling (Rated) | kW | 25.7 | 27.4 | 30.1 | 31.8 |
| | Heating (Rated) | kW | 24.58 | 26.48 | 28.20 | 30.12 |
| | Heating (Max) | kW | 28.26 | 30.39 | 32.33 | 34.26 |
| | | | 4.57 | 4.49 | 4.28 | 4.22 |
| IEER ²⁾ | | | 8.02 | 7.83 | 7.69 | 7.62 |
| COP ²⁾ | Rated capacity | | 4.78 | 4.65 | 4.57 | 4.46 |
| | Max. capacity | | 4.63 | 4.52 | 4.44 | 4.33 |
| Power Factor | | - | 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | (5,300 × 3) + (4,200 × 1) | (5,300 × 3) + (4,200 × 1) | (5,300 × 3) + (4,200 × 1) | 5,300 × 4 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output × Number | W | 900 × 4 | 900 × 4 | 900 × 4 | 900 × 4 |
| | Air Flow Rate (High) | m ³ /min | 320 × 2 | 320 × 2 | 320 × 2 | 320 × 2 |
| | | ft ³ /min | 11,301 × 2 | 11,301 × 2 | 11,301 × 2 | 11,301 × 2 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connections #1 | 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) |
| | 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) |
| Dimensions (W × H × D) | 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) |
| | | mm | (1,240 × 1,690 × 760) × 2 | (1,240 × 1,690 × 760) × 2 | (1,240 × 1,690 × 760) × 2 | (1,240 × 1,690 × 760) × 2 |
| Net Weight | | kg | (310 × 1) + (300 × 1) | (310 × 1) + (300 × 1) | (310 × 1) + (300 × 1) | 310 × 2 |
| | | lbs | (683 × 1) + (661 × 1) | (683 × 1) + (661 × 1) | (683 × 1) + (661 × 1) | 683 × 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. × mm ² (VCTF-SB) | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | | 33.0 | 33.0 | 33.0 | 34.0 |
| | TCO _{2eq} | | 72.8 | 72.8 | 72.8 | 75.0 |
| | Control | | 68.9 | 68.9 | 68.9 | 71.0 |
| | | | 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 |
| Number of maximum connectable indoor units ⁸⁾ | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| | | | 64 | 64 | 64 | 64 |

* 1) Eurovent, 2) ISO test condition

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT RECOVERY

ARUM500LTE5 / ARUM520LTE5 / ARUM540LTE5 / ARUM560LTE5



| HP | | | 50 | 52 | 54 | 56 |
|--|------------------------------|------------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUM500LTE5 | ARUM520LTE5 | ARUM540LTE5 | ARUM560LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM140LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM160LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM180LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM200LTE5 ARUM120LTE5 |
| Capacity | Cooling (Rated) | kW | 140.0 | 145.6 | 151.2 | 156.8 |
| | | Btu/h | 477,700 | 496,800 | 515,900 | 535,000 |
| | Heating (Rated) | kW | 140.0 | 145.6 | 151.2 | 156.8 |
| | | Btu/h | 477,700 | 496,800 | 515,900 | 535,000 |
| | Heating (Max) | kW | 156.2 | 162.5 | 168.8 | 175.1 |
| | | Btu/h | 532,800 | 554,300 | 575,800 | 597,300 |
| Input ¹⁾ | Cooling (Rated) | kW | 33.7 | 35.9 | 35.9 | 37.8 |
| | Heating (Rated) | kW | 30.9 | 33.0 | 32.9 | 34.9 |
| | Heating (Max) | kW | 36.8 | 39.4 | 39.0 | 41.7 |
| EER ¹⁾ | | | 4.16 | 4.06 | 4.21 | 4.15 |
| ESEER ¹⁾ | | | 6.97 | 6.76 | 7.02 | 6.91 |
| COP ¹⁾ | Rated capacity | | 4.54 | 4.41 | 4.60 | 4.49 |
| | Max. capacity | | 4.25 | 4.12 | 4.33 | 4.19 |
| Input ²⁾ | Cooling (Rated) | kW | 31.1 | 33.2 | 32.6 | 34.3 |
| | Heating (Rated) | kW | 30.12 | 31.90 | 31.31 | 33.21 |
| | Heating (Max) | kW | 34.41 | 36.43 | 35.99 | 38.12 |
| EER ²⁾ | | | 4.50 | 4.39 | 4.64 | 4.58 |
| IEER ²⁾ | | | 7.98 | 7.88 | 8.07 | 7.92 |
| COP ²⁾ | Rated capacity | | 4.65 | 4.56 | 4.83 | 4.72 |
| | Max. capacity | | 4.54 | 4.46 | 4.69 | 4.59 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | 5,300 × 4 | 5,300 × 4 | (5,300 × 4) + (4,200 × 1) | (5,300 × 4) + (4,200 × 1) |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 4) + (1,200 × 1) | (900 × 4) + (1,200 × 1) | (900 × 4) + (1,200 × 1) | (900 × 4) + (1,200 × 1) |
| | Air Flow Rate (High) | m³/min | (320 × 2) + (240 × 1) | (320 × 2) + (240 × 1) | (320 × 2) + (240 × 1) | (320 × 2) + (240 × 1) |
| | | ft³/min | (11,301 × 2) + (8,476 × 1) | (11,301 × 2) + (8,476 × 1) | (11,301 × 2) + (8,476 × 1) | (11,301 × 2) + (8,476 × 1) |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions #1 | 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) |
| | 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) |
| | 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) |
| Dimensions (W × H × D) | | mm | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 |
| Net Weight | | kg | (310 × 1) + (237 × 1) + (215 × 1) | (310 × 1) + (237 × 1) + (215 × 1) | (310 × 1) + (300 × 1) + (215 × 1) | (310 × 1) + (300 × 1) + (215 × 1) |
| | | lbs | (683 × 1) + (522 × 1) + (474 × 1) | (683 × 1) + (522 × 1) + (474 × 1) | (683 × 1) + (661 × 1) + (474 × 1) | (683 × 1) + (661 × 1) + (474 × 1) |
| Sound | Cooling | dB(A) | 67.0 | 67.1 | 67.2 | 67.4 |
| Pressure Level | Heating | dB(A) | 68.6 | 68.7 | 68.8 | 69.5 |
| Sound | Cooling | dB(A) | 89.4 | 89.6 | 90.1 | 90.4 |
| Power Level | Heating | dB(A) | 91.3 | 91.5 | 91.8 | 92.0 |
| Communication Cable | | No. × mm² (VCTF-SB) | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 40.0 | 40.0 | 42.5 | 42.5 |
| | | lbs | 88.2 | 88.2 | 93.7 | 93.7 |
| | TCO ₂ eq | | 83.5 | 83.5 | 88.7 | 88.7 |
| | Control | | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve | Electronic Expansion Valve |
| Power Supply | | Ø, V, Hz | 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 ⁸⁾ | | | 64 | 64 | 64 | 64 |

* 1) Eurovent, 2) ISO test condition

ARUM580LTE5 / ARUM600LTE5 / ARUM620LTE5 / ARUM640LTE5



| HP | | | 58 | 60 | 62 | 64 |
|--|------------------------------|----------------------|--|--|---|---|
| Model Name | Combination Unit | | ARUM580LTE5 | ARUM600LTE5 | ARUM620LTE5 | ARUM640LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM220LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM140LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM160LTE5 |
| Capacity | Cooling (Rated) | kW | 162.4 | 168.0 | 173.6 | 179.2 |
| | | Btu/h | 554,100 | 573,200 | 592,300 | 611,400 |
| | Heating (Rated) | kW | 162.4 | 168.0 | 173.6 | 179.2 |
| | | Btu/h | 554,100 | 573,200 | 592,300 | 611,400 |
| | Heating (Max) | kW | 181.4 | 186.3 | 192.6 | 198.9 |
| | | Btu/h | 618,800 | 635,700 | 657,200 | 678,700 |
| Input ¹⁾ | Cooling (Rated) | kW | 40.7 | 42.4 | 43.5 | 45.7 |
| | Heating (Rated) | kW | 36.9 | 38.6 | 39.9 | 42.1 |
| | Heating (Max) | kW | 43.8 | 45.9 | 47.3 | 50.0 |
| EER ¹⁾ | | | 3.99 | 3.96 | 3.99 | 3.92 |
| ESEER ¹⁾ | | | 6.78 | 6.73 | 6.73 | 6.58 |
| COP ¹⁾ | Rated capacity | | 4.40 | 4.35 | 4.35 | 4.26 |
| | Max. capacity | | 4.14 | 4.06 | 4.07 | 3.98 |
| Input ²⁾ | Cooling (Rated) | kW | 36.9 | 38.7 | 40.2 | 42.2 |
| | Heating (Rated) | kW | 34.93 | 36.85 | 38.45 | 40.23 |
| | Heating (Max) | kW | 40.06 | 41.99 | 43.81 | 45.83 |
| EER ²⁾ | | | 4.40 | 4.35 | 4.32 | 4.24 |
| IEER ²⁾ | | | 7.80 | 7.74 | 7.79 | 7.71 |
| COP ²⁾ | Rated capacity | | 4.65 | 4.56 | 4.51 | 4.45 |
| | Max. capacity | | 4.53 | 4.44 | 4.40 | 4.34 |
| 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | (5,300 × 4) + (4,200 × 1) | 5,300 × 5 | 5,300 × 5 | 5,300 × 5 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 4) + (1,200 × 1) | (900 × 4) + (1,200 × 1) | 900 × 6 | 900 × 6 |
| | Air Flow Rate (High) | m³/min | (320 × 2) + (240 × 1) | (320 × 2) + (240 × 1) | 320 × 3 | 320 × 3 |
| | | ft³/min | (11,301 × 2) + (8,476 × 1) | (11,301 × 2) + (8,476 × 1) | 11,301 × 3 | 11,301 × 3 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connections #1 | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 19.05(3/4) | 19.05(3/4) | 22.2(7/8) | 22.2(7/8) |
| | Low 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) |
| | High 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) |
| Dimensions (W × H × D) | | mm | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 | (1,240 × 1,690 × 760) × 3 |
| Net Weight | | kg | (310 × 1) + (300 × 1) + (215 × 1) | (310 × 2) + (215 × 1) | (310 × 2) + (237 × 1) | (310 × 2) + (237 × 1) |
| | | lbs | (683 × 1) + (661 × 1) + (474 × 1) | (683 × 2) + (474 × 1) | (683 × 2) + (522 × 1) | (683 × 2) + (522 × 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.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 42.5 | 43.5 | 47.5 | 47.5 |
| | | lbs | 93.7 | 95.9 | 104.7 | 104.7 |
| | TCO ₂ eq | | 88.7 | 90.8 | 99.2 | 99.2 |
| | 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 ⁸⁾ | | | 64 | 64 | 64 | 64 |

* 1) Eurovent, 2) ISO test condition

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT RECOVERY

ARUM660LTE5 / ARUM680LTE5 / ARUM700LTE5 / ARUM720LTE5



| HP | | | 66 | 68 | 70 | 72 |
|---|------------------------------|--------------------------------|---|---|---|---|
| Model Name | Combination Unit | | ARUM660LTE5 | ARUM680LTE5 | ARUM700LTE5 | ARUM720LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM240LTE5 ARUM180LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM200LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 |
| Capacity | Cooling (Rated) | kW | 184.8 | 190.4 | 196.0 | 201.6 |
| | | Btu/h | 630,500 | 649,600 | 668,800 | 687,900 |
| | Heating (Rated) | kW | 184.8 | 190.4 | 196.0 | 201.6 |
| | | Btu/h | 630,500 | 649,600 | 668,800 | 687,900 |
| | Heating (Max) | kW | 205.2 | 211.5 | 217.8 | 222.8 |
| | | Btu/h | 700,200 | 721,700 | 743,200 | 760,100 |
| Input ¹⁾ | Cooling (Rated) | kW | 45.7 | 47.6 | 50.5 | 52.2 |
| | Heating (Rated) | kW | 41.9 | 44.0 | 45.9 | 47.7 |
| | Heating (Max) | kW | 49.5 | 52.3 | 54.4 | 56.4 |
| EER ¹⁾ | | | 4.04 | 4.00 | 3.88 | 3.86 |
| ESEER ¹⁾ | | | 6.78 | 6.70 | 6.60 | 6.57 |
| COP ¹⁾ | Rated capacity | | 4.41 | 4.33 | 4.27 | 4.23 |
| | Max. capacity | | 4.14 | 4.05 | 4.01 | 3.95 |
| Input ²⁾ | Cooling (Rated) | kW | 41.7 | 43.3 | 46.0 | 47.7 |
| | Heating (Rated) | kW | 39.64 | 41.54 | 43.26 | 45.18 |
| | Heating (Max) | kW | 45.39 | 47.52 | 49.46 | 51.39 |
| EER ²⁾ | | | 4.44 | 4.39 | 4.26 | 4.22 |
| IEER ²⁾ | | | 7.87 | 7.75 | 7.66 | 7.62 |
| COP ²⁾ | Rated capacity | | 4.66 | 4.58 | 4.53 | 4.46 |
| | Max. capacity | | 4.52 | 4.45 | 4.40 | 4.33 |
| 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | (5,300 × 5) + (4,200 × 1) | (5,300 × 5) + (4,200 × 1) | (5,300 × 5) + (4,200 × 1) | 5,300 × 6 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 6 | 900 × 6 | 900 × 6 | 900 × 6 |
| | Air Flow Rate (High) | m ³ /min | 320 × 3 | 320 × 3 | 320 × 3 | 320 × 3 |
| | | ft ³ /min | 11,301 × 3 | 11,301 × 3 | 11,301 × 3 | 11,301 × 3 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions #1 | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 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) |
| Dimensions (W × H × D) | 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) |
| | | mm | (1,240 × 1,690 × 760) × 3 | (1,240 × 1,690 × 760) × 3 | (1,240 × 1,690 × 760) × 3 | (1,240 × 1,690 × 760) × 3 |
| Net Weight | | kg | (310 × 2) + (300 × 1) | (310 × 2) + (300 × 1) | (310 × 2) + (300 × 1) | 310 × 3 |
| | | lbs | (683 × 2) + (661 × 1) | (683 × 2) + (661 × 1) | (683 × 2) + (661 × 1) | 683 × 3 |
| Sound Pressure Level | Cooling | dB(A) | 68.8 | 69.0 | 69.6 | 69.8 |
| Sound Power Level | Heating | dB(A) | 70.6 | 71.1 | 71.3 | 71.8 |
| | Cooling | dB(A) | 92.0 | 92.2 | 92.2 | 92.8 |
| Power Level | Heating | dB(A) | 93.8 | 94.0 | 94.2 | 94.8 |
| | | | | | | |
| Communication Cable | | No. ×mm ² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 50.0 | 50.0 | 50.0 | 51.0 |
| | | lbs | 110.2 | 110.2 | 110.2 | 112.4 |
| | TCO ₂ eq | | 104.4 | 104.4 | 104.4 | 106.5 |
| | 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 |
| Number of maxmum connectable indoor units ⁸⁾ | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| | | | 64 | 64 | 64 | 64 |

* 1) Eurovent, 2) ISO test condition

ARUM740LTE5 / ARUM760LTE5 / ARUM780LTE5 / ARUM800LTE5



| HP | | | 74 | 76 | 78 | 80 |
|---|------------------------------|-------------------|----------------------------|--|--|--|
| Model Name | Combination Unit | | ARUM740LTE5 | ARUM760LTE5 | ARUM780LTE5 | ARUM800LTE5 |
| | Independent Unit | | ARUM240LTE5 | ARUM240LTE5 | ARUM240LTE5 | ARUM240LTE5 |
| | | | ARUM240LTE5 | ARUM240LTE5 | ARUM240LTE5 | ARUM240LTE5 |
| | | | ARUM140LTE5 | ARUM160LTE5 | ARUM180LTE5 | ARUM200LTE5 |
| 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 | 207.2 | 212.8 | 218.4 | 224.0 |
| | | Btu/h | 707,000 | 726,100 | 745,200 | 764,300 |
| | Heating (Max) | kW | 230.4 | 236.7 | 243.0 | 249.3 |
| | | Btu/h | 786,200 | 807,700 | 829,200 | 850,700 |
| Input ¹⁾ | Cooling (Rated) | kW | 51.1 | 53.3 | 53.3 | 55.2 |
| | Heating (Rated) | kW | 46.8 | 48.9 | 48.8 | 50.8 |
| | Heating (Max) | kW | 55.6 | 58.2 | 57.8 | 60.5 |
| EER ¹⁾ | | | 4.06 | 3.99 | 4.10 | 4.06 |
| ESEER ¹⁾ | | | 6.84 | 6.70 | 6.88 | 6.80 |
| COP ¹⁾ | Rated capacity | | 4.43 | 4.35 | 4.48 | 4.41 |
| | Max. capacity | | 4.15 | 4.06 | 4.20 | 4.12 |
| Input ²⁾ | Cooling (Rated) | kW | 47.1 | 49.1 | 48.5 | 50.2 |
| | Heating (Rated) | kW | 45.18 | 46.96 | 46.37 | 48.27 |
| | Heating (Max) | kW | 51.54 | 53.56 | 53.12 | 55.25 |
| EER ²⁾ | | | 4.40 | 4.34 | 4.50 | 4.46 |
| IEER ²⁾ | | | 7.86 | 7.79 | 7.92 | 7.82 |
| COP ²⁾ | Rated capacity | | 4.59 | 4.53 | 4.71 | 4.64 |
| | Max. capacity | | 4.47 | 4.42 | 4.57 | 4.51 |
| Power Factor | Rated | - | 0.93 | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | 5,300 × 6 | 5,300 × 6 | (5,300 × 6) + (4,200 × 1) | (5,300 × 6) + (4,200 × 1) |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | (900 × 6) + (1,200 × 1) | (900 × 6) + (1,200 × 1) | (900 × 6) + (1,200 × 1) | (900 × 6) + (1,200 × 1) |
| | Air Flow Rate (High) | m³/min | (320 × 3) + (240 × 1) | (320 × 3) + (240 × 1) | (320 × 3) + (240 × 1) | (320 × 3) + (240 × 1) |
| | | ft³/min | (11,301 × 3) + (8,476 × 1) | (11,301 × 3) + (8,476 × 1) | (11,301 × 3) + (8,476 × 1) | (11,301 × 3) + (8,476 × 1) |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions #1 | Discharge | | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 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) |
| Dimensions (W × H × D) | High Pressure Gas Pipe | | mm(inch) | 44.5(1-3/4) | 44.5(1-3/4) | 44.5(1-3/4) |
| | | | mm | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 |
| | Net Weight | | kg | (310 × 2) + (237 × 1) + (215 × 1) | (310 × 2) + (300 × 1) + (215 × 1) | (310 × 2) + (300 × 1) + (215 × 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.×mm² (VCTF-SB) | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 | 2C × 1.0 - 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 57.0 | 57.0 | 59.5 | 59.5 |
| | | lbs | 125.7 | 125.7 | 131.2 | 131.2 |
| | TCO ₂ eq | | 119.0 | 119.0 | 124.2 | 124.2 |
| 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 maxmum connectable indoor units ⁸⁾ | | | 64 | 64 | 64 | 64 |

* 1) Eurovent, 2) ISO test condition

OUTDOOR UNIT SPECIFICATION

MULTI V 5 HEAT RECOVERY

ARUM820LTE5 / ARUM840LTE5 / ARUM860LTE5 / ARUM880LTE5



| HP | | | 82 | 84 | 86 | 88 |
|--|------------------------------|------------------------------------|--|--|--|--|
| Model Name | Combination Unit | | ARUM820LTE5 | ARUM840LTE5 | ARUM860LTE5 | ARUM880LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM120LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM140LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM160LTE5 |
| Capacity | Cooling (Rated) | kW | 229.6 | 235.2 | 240.8 | 246.4 |
| | | Btu/h | 783,400 | 802,500 | 821,600 | 840,700 |
| | Heating (Rated) | kW | 229.6 | 235.2 | 240.8 | 246.4 |
| | | Btu/h | 783,400 | 802,500 | 821,600 | 840,700 |
| | Heating (Max) | kW | 255.6 | 260.6 | 266.9 | 273.2 |
| | | Btu/h | 872,100 | 889,100 | 910,600 | 932,000 |
| Input ¹⁾ | Cooling (Rated) | kW | 58.1 | 59.8 | 60.9 | 63.1 |
| | Heating (Rated) | kW | 52.8 | 54.5 | 55.8 | 58.0 |
| | Heating (Max) | kW | 62.6 | 64.7 | 66.1 | 68.8 |
| EER ¹⁾ | | | 3.95 | 3.93 | 3.96 | 3.91 |
| ESEER ¹⁾ | | | 6.72 | 6.69 | 6.68 | 6.57 |
| COP ¹⁾ | Rated capacity | | 4.35 | 4.31 | 4.32 | 4.25 |
| | Max. capacity | | 4.08 | 4.03 | 4.04 | 3.97 |
| Input ¹⁾ | Cooling (Rated) | kW | 52.8 | 54.6 | 56.1 | 58.1 |
| | Heating (Rated) | kW | 49.99 | 51.91 | 53.51 | 55.29 |
| | Heating (Max) | kW | 57.19 | 59.12 | 60.94 | 62.96 |
| EER ²⁾ | | | 4.35 | 4.31 | 4.29 | 4.24 |
| IEER ²⁾ | | | 7.74 | 7.70 | 7.74 | 7.69 |
| COP ²⁾ | Rated capacity | | 4.59 | 4.53 | 4.50 | 4.46 |
| | Max. capacity | | 4.47 | 4.41 | 4.38 | 4.34 |
| 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 | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | (5,300 × 6) + (4,200 × 1) | 5,300 × 7 | 5,300 × 7 | 5,300 × 7 |
| | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| Fan | Motor Output × Number | W | (900 × 6) + (1,200 × 1) | (900 × 6) + (1,200 × 1) | 900 × 8 | 900 × 8 |
| | Air Flow Rate (High) | m ³ /min | (320 × 3) + (240 × 1) | (320 × 3) + (240 × 1) | 320 × 4 | 320 × 4 |
| | | ft ³ /min | (11,301 × 3) + (8,476 × 1) | (11,301 × 3) + (8,476 × 1) | 11,301 × 4 | 11,301 × 4 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| Pipe Connctions #1 | Liquid Pipe | mm(inch) | 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) |
| | 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) |
| Dimensions (W × H × D) | | mm | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1 | (1,240 × 1,690 × 760) × 4 | (1,240 × 1,690 × 760) × 4 |
| Net Weight | | | kg | (310 × 2) + (300 × 1) + (215 × 1) | (310 × 3) + (237 × 1) | (310 × 3) + (237 × 1) |
| | | | lbs | (683 × 2) + (661 × 1) + (474 × 1) | (683 × 3) + (522 × 1) | (683 × 3) + (522 × 1) |
| Sound Pressure Level | Cooling | dB(A) | 70.0 | 70.1 | 70.2 | 70.3 |
| Sound Power Level | Heating | dB(A) | 71.6 | 72.1 | 72.1 | 72.2 |
| | Cooling | dB(A) | 92.4 | 92.9 | 93.1 | 93.2 |
| Power Level | Heating | dB(A) | 94.4 | 94.9 | 95.1 | 95.2 |
| Communication Cable | | No. × mm ² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 59.5 | 60.5 | 64.5 | 64.5 |
| | | lbs | 131.2 | 133.4 | 142.2 | 142.2 |
| | TCO _{2eq} | | 124.2 | 126.3 | 134.6 | 134.6 |
| | 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 |
| Number of maximum connectable indoor units ⁸⁾ | | | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| | | | 64 | 64 | 64 | 64 |

* 1) Eurovent, 2) ISO test condition

ARUM900LTE5 / ARUM920LTE5 / ARUM940LTE5 / ARUM960LTE5



| HP | | | 90 | 92 | 94 | 96 |
|--|------------------------------|------------|--|--|--|--|
| Model Name | Combination Unit | | ARUM900LTE5 | ARUM920LTE5 | ARUM940LTE5 | ARUM960LTE5 |
| | Independent Unit | | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM180LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM200LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 | ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 |
| | | | | | | |
| | | | | | | |
| Capacity | Cooling (Rated) | kW | 252.0 | 257.6 | 263.2 | 268.8 |
| | | Btu/h | 859,800 | 878,900 | 898,000 | 917,100 |
| | Heating (Rated) | kW | 252.0 | 257.6 | 263.2 | 268.8 |
| | | Btu/h | 859,800 | 878,900 | 898,000 | 917,100 |
| | Heating (Max) | kW | 279.5 | 285.8 | 292.1 | 297.0 |
| | | Btu/h | 953,500 | 975,000 | 996,500 | 1,013,400 |
| Input ¹⁾ | Cooling (Rated) | kW | 63.1 | 65.0 | 67.9 | 69.6 |
| | Heating (Rated) | kW | 57.8 | 59.9 | 61.8 | 63.6 |
| | Heating (Max) | kW | 68.3 | 71.1 | 73.2 | 75.2 |
| EER ¹⁾ | | | 3.99 | 3.96 | 3.88 | 3.86 |
| ESEER ¹⁾ | | | 6.72 | 6.66 | 6.60 | 6.57 |
| COP ¹⁾ | Rated capacity | | 4.36 | 4.30 | 4.26 | 4.23 |
| | Max. capacity | | 4.09 | 4.02 | 3.99 | 3.95 |
| Input ²⁾ | Cooling (Rated) | kW | 57.6 | 59.2 | 61.9 | 63.6 |
| | Heating (Rated) | kW | 54.70 | 56.60 | 58.32 | 60.24 |
| | Heating (Max) | kW | 62.52 | 64.65 | 66.59 | 68.52 |
| EER ²⁾ | | | 4.38 | 4.35 | 4.25 | 4.22 |
| IEER ²⁾ | | | 7.80 | 7.72 | 7.65 | 7.62 |
| COP ²⁾ | Rated capacity | | 4.61 | 4.55 | 4.51 | 4.46 |
| | Max. capacity | | 4.47 | 4.42 | 4.39 | 4.33 |
| Power Factor | | | Rated | 0.93 | 0.93 | 0.93 |
| Exterior | Color | | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray | Warm Gray / Dawn Gray |
| | RAL code | | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K | NL503K / NA507K |
| Heat Exchanger | | | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin | Ocean Black Fin |
| Compressor | Motor Output × Number | W × No. | (5,300 × 7) + (4,200 × 1) | (5,300 × 7) + (4,200 × 1) | (5,300 × 7) + (4,200 × 1) | 5,300 × 8 |
| Fan | Type | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Motor Output × Number | W | 900 × 8 | 900 × 8 | 900 × 8 | 900 × 8 |
| | Air Flow Rate (High) | m³/min | 320 × 4 | 320 × 4 | 320 × 4 | 320 × 4 |
| | | ft³/min | 11,301 × 4 | 11,301 × 4 | 11,301 × 4 | 11,301 × 4 |
| | Drive | | DC INVERTER | DC INVERTER | DC INVERTER | DC INVERTER |
| Pipe Connctions #1 | Discharge | Side / Top | TOP | TOP | TOP | TOP |
| | Liquid Pipe | mm(inch) | 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) |
| | 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) |
| Dimensions (W × H × D) | | | mm | (1,240 ×1,690 × 760) × 4 | (1,240 ×1,690 × 760) × 4 | (1,240 ×1,690 × 760) × 4 |
| Net Weight | | | kg | (310 × 3) + (300 × 1) | (310 × 3) + (300 × 1) | 310 × 4 |
| | | | lbs | (683 × 3) + (661 × 1) | (683 × 3) + (661 × 1) | 683 × 4 |
| Sound Pressure Level | Cooling | dB(A) | 70.3 | 70.4 | 70.9 | 71.0 |
| | Heating | dB(A) | 72.2 | 72.5 | 72.7 | 73.0 |
| Sound Power Level | Cooling | dB(A) | 93.4 | 93.6 | 93.6 | 94.0 |
| | Heating | dB(A) | 95.3 | 95.4 | 95.6 | 96.0 |
| Communication Cable | | | No.×mm² (VCTF-SB) | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 | 2C × 1.0 ~ 1.5 |
| Refrigerant | Refrigerant name | | R410A | R410A | R410A | R410A |
| | Precharged Amount in factory | kg | 67.0 | 67.0 | 67.0 | 68.0 |
| | | lbs | 147.7 | 147.7 | 147.7 | 149.9 |
| | TCO ₂ eq | | 139.9 | 139.9 | 139.9 | 142.0 |
| | 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, 3, 60 | 380, 3, 60 | 380, 3, 60 |
| Number of maximum connectable indoor units ⁸⁾ | | | | 64 | 64 | 64 |

* 1) Eurovent, 2) ISO test condition

Notes

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
 3. Power factor could vary less than $\pm 1\%$ 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 : Indoot Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - *Heating : Indoot 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. EUROVENT Test Condition :
 - Performance values on the this PDB are based on Ceiling concealed duct combination.
 - Refer to EUROVENT web site(www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
 7. ESEER calculation corresponds with below conditions and power input of indoor units is not included.
ESEER Formula = $A \times \text{EER}100\% + B \times \text{EER}75\% + C \times \text{EER}50\% + D \times \text{EER}25\%$
 - Coefficient : $A=0.03, B=0.33, C=0.41, D=0.23$
 - Outdoor temperature condition : $\text{EER } 100\% / 75\% / 50\% / 25\% = 35^\circ\text{CDB} / 30^\circ\text{CDB} / 25^\circ\text{CDB} / 20^\circ\text{CDB}$
 - Indoor temperature condition : $27^\circ\text{C}(80.6^\circ\text{F}) \text{ DB} / 19^\circ\text{C}(66.2^\circ\text{F}) \text{ WB}$
 8. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination.
The recommended ratio is 130%.
 9. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2087.5)
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