

MULTI VTM

LG HVAC Solution
MULTI VTM
For Middle East & Africa

HIGHLIGHTS OF MULTI V



DUAL
SENSING
CONTROL



Black Fin II

ULTIMATE EFFICIENCY

Ultimate Energy Saving with Dual Sensing Control.



Humidity + Temperature

SUPERIOR DURABILITY

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

Verified Protection

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



Ultimate Efficiency

Black Fin II

Innovative Technology



R1 Compressor™

INNOVATIVE TECHNOLOGIES

Ultimate Inverter Compressor

- MULTI V 5

Revolutionary Scroll R1 Compressor

DESIGN FLEXIBILITY

Flexible Installation with Large Capacity Outdoor Unit.

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



BRAND RELIABILITY

Global production sites facilitate world-class customer service.

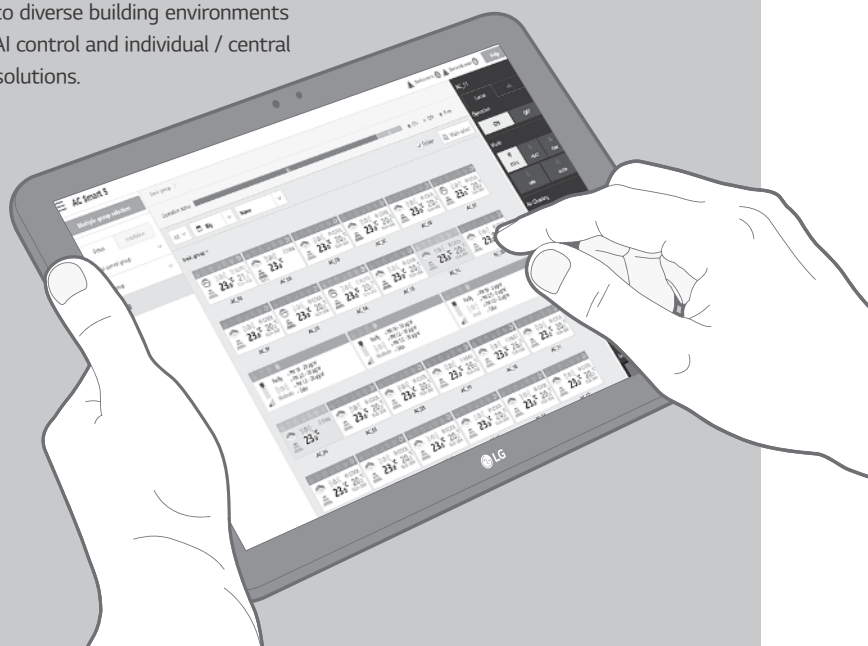
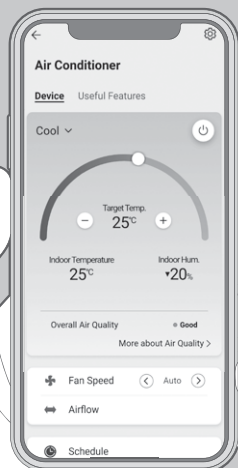
DIVERSE PRODUCT LINE UP

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



SMART CONTROLS

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



BLACK FIN II HEAT EXCHANGER

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

Black Fin II

TROPICAL MODEL

HIGH EFFICIENCY, STANDARD, PRO

Non TROPICAL MODEL

HIGH EFFICIENCY, STANDARD, PRO

Heat Exchanger with Black Fin II for Corrosion Resistance

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

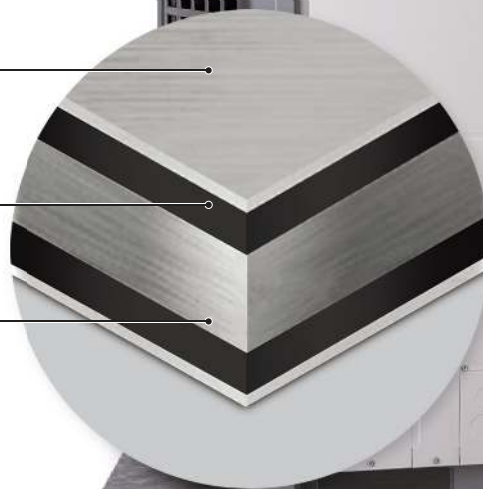
Hydrophilic Film (Water flow)
0.2 ~ 0.3 μ m

The hydrophilic coating minimizes moisture buildup on the fin.

Epoxy Resin (Corrosion resistant)
1.6 ~ 2.0 μ m

The black coating provides strong protection from corrosion.

Aluminum Fin



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

Strong Durability Regardless of External Environment



Corrosion Resistance Proven by Certified Tests

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

Condition of salt spray test

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

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

DUAL SENSING CONTROL

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



DUAL SENSING CONTROL

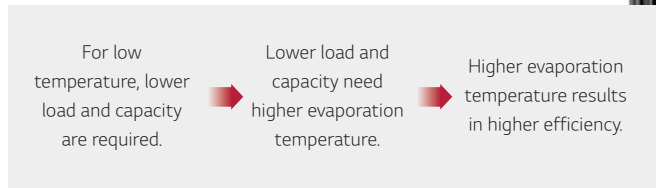
- TROPICAL MODEL**
HIGH EFFICIENCY, STANDARD
- Non TROPICAL MODEL**
HIGH EFFICIENCY, STANDARD

Smart Load Control (SLC)

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

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

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



Energy Savings and Optimized Cooling through Temperature and Humidity Control

Hot & Wet day

Hot & Dry day



Humidity

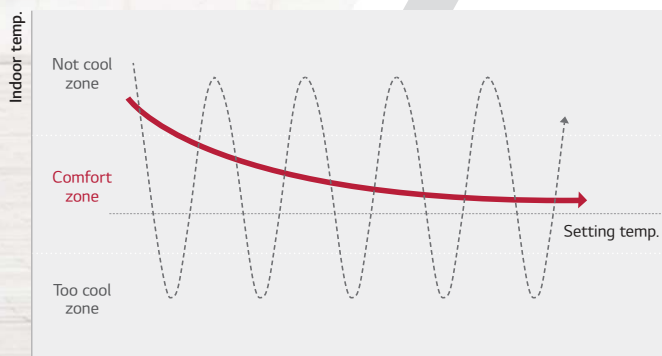


Temperature

Comfort Cooling

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

Previous Model | **MULTI V.5**



Time

BIOMIMETICS TECHNOLOGY FAN

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



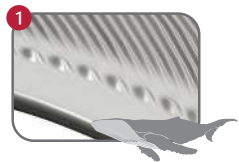
TROPICAL MODEL

HIGH EFFICIENCY, STANDARD, PRO

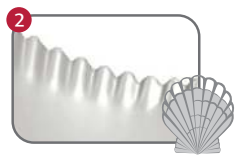
Non TROPICAL MODEL

HIGH EFFICIENCY, STANDARD, PRO

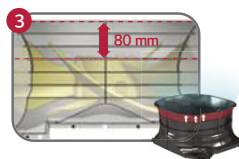
Larger Capacity ODU with Biomimetics Technology Fan



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



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



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

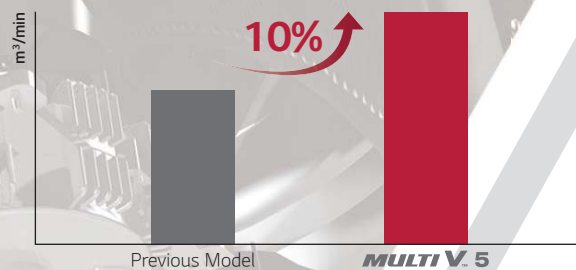


Maximum Capacity and Efficiency

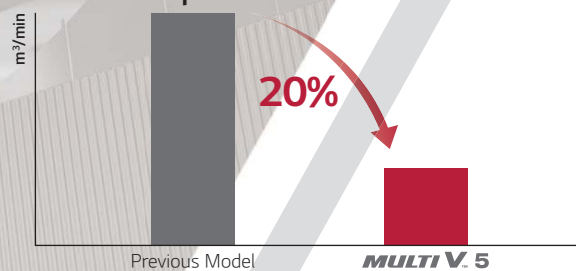
Enhanced Performance with Newly Developed Fan

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

Air Flow Rate



Power Consumption



KEY FEATURE

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.



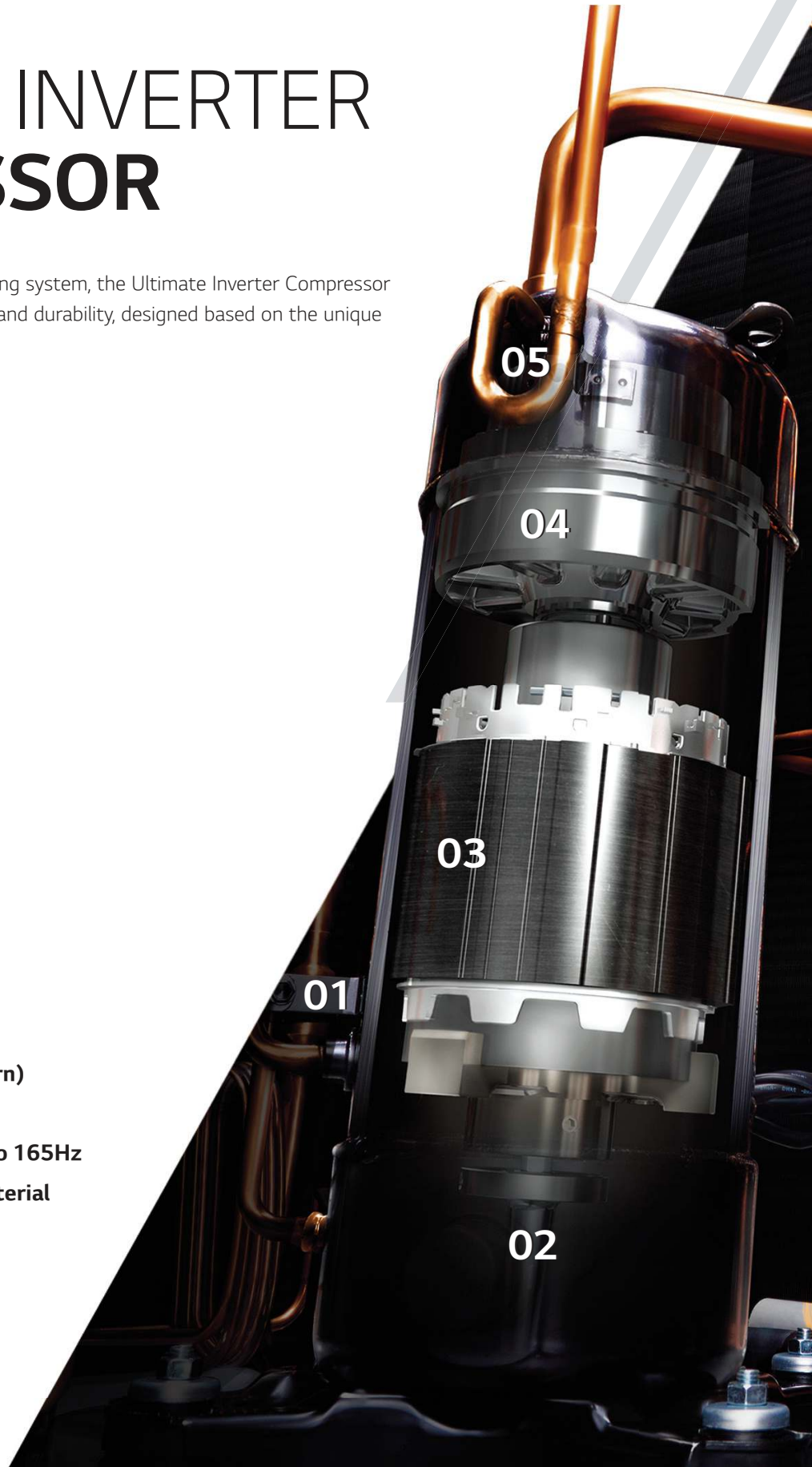
TROPICAL MODEL

HIGH EFFICIENCY, STANDARD

Non TROPICAL MODEL

HIGH EFFICIENCY, STANDARD

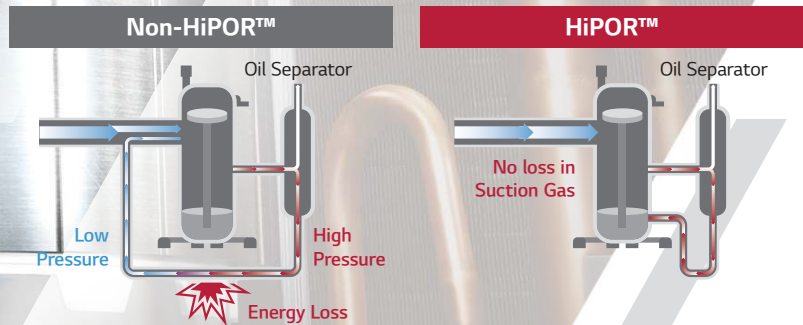
- 01. HiPOR™ (High Pressure Oil Return)**
- 02. Smart Oil Management**
- 03. Wide Operation Range from 10 to 165Hz**
- 04. Enhanced Bearing with PEEK Material**
 - Up to 15% Operating time without oil supply
 - Down to 3dB Noise Level (Max. Sound Pressure)
- 05. Vapor Injection**
 - 10% Improved Energy Efficiency



The Best Durability and Efficiency

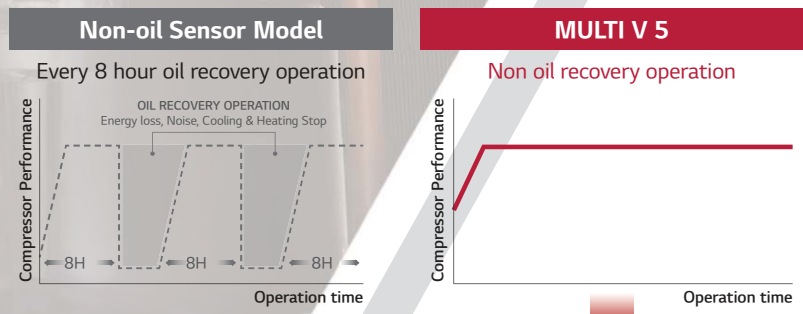
HiPOR™ (High Pressure Oil Return)

Resolve compressor efficiency loss caused by oil return.



Smart Oil Management

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



Energy Saving

Noise Reduction

Continuous Cooling & Heating

CONTINUOUS HEATING

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



CONTINUOUS HEATING



DUAL SENSING CONTROL

Non TROPICAL MODEL

HIGH EFFICIENCY, STANDARD

Delayed Defrost via Humidity Sensor of Dual Sensing Control

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

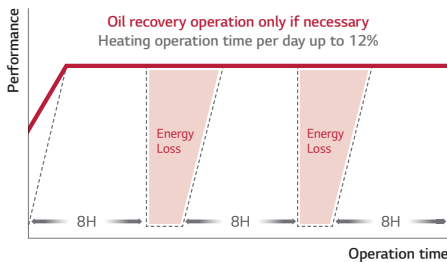


※ Outside humidity sensing

Smart Oil Management

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

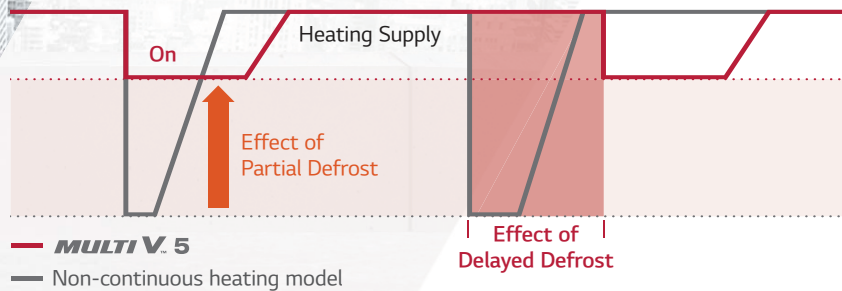
Non-oil sensor model | MULTI V.5



Efficient even in Low-Temperature, High-Humidity Environments

Partial Defrost

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



↑ Heating Operation Time Per Day
Up to 11%

↓ Power Input
Down to 7%

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

AUTO DUST REMOVAL

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

Auto Dust Removal

TROPICAL MODEL

HIGH EFFICIENCY, STANDARD

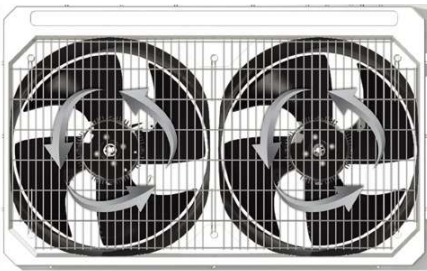
Non TROPICAL MODEL

HIGH EFFICIENCY, STANDARD

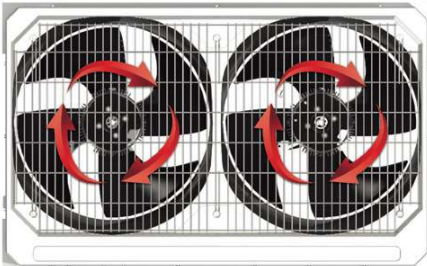
Technology Mechanism

Fan rotates reversely to run sand dust free operation.

Normal Operation



Auto Dust Removal



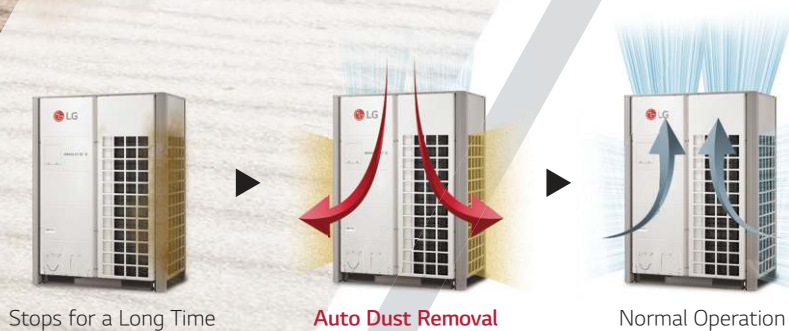
Enhanced Stability from Environmental Constraints

Performance Comparison

Normal Operation



Auto Dust Removal





Optimized for Medium and Large Buildings

MULTI V™ 5

Customer Benefits

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



ACTIVE REFRIGERANT CONTROL

“Stable Operation & Sustaining Most Efficient Operation”



Part Load Efficiency
10%
Heating Efficiency
3%

MULTI V 5 active refrigerant control algorithm goal is to minimize the amount of refrigerant in circulation. The lower the volume in circulation the lower the cost to move it around the system and the higher the stability of the refrigeration cycle.

VARIABLE PATH HEAT EXCHANGER

“Optimized System Efficiency & Continuous Heating”

Full Load Cooling



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

Heating - All Conditions

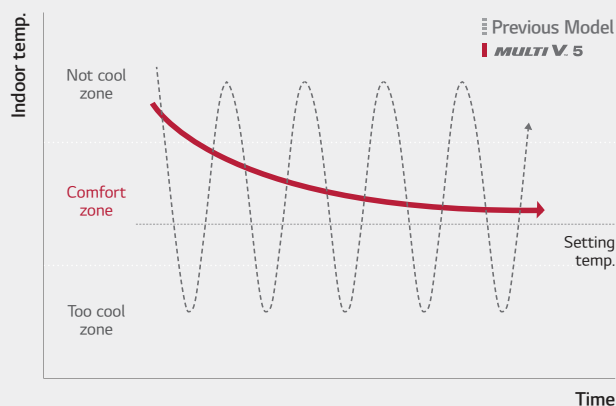


- Upper & Lower active
- Parallel circuited
- Low velocity refrigerant flow

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

COMFORT COOLING

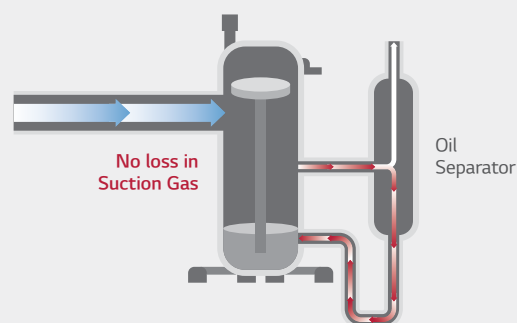
“Increased Indoor Comfort & Enhanced Operating Efficiency”



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

HiPOR™

“Maximized Reliability & Efficiency of Compressor”

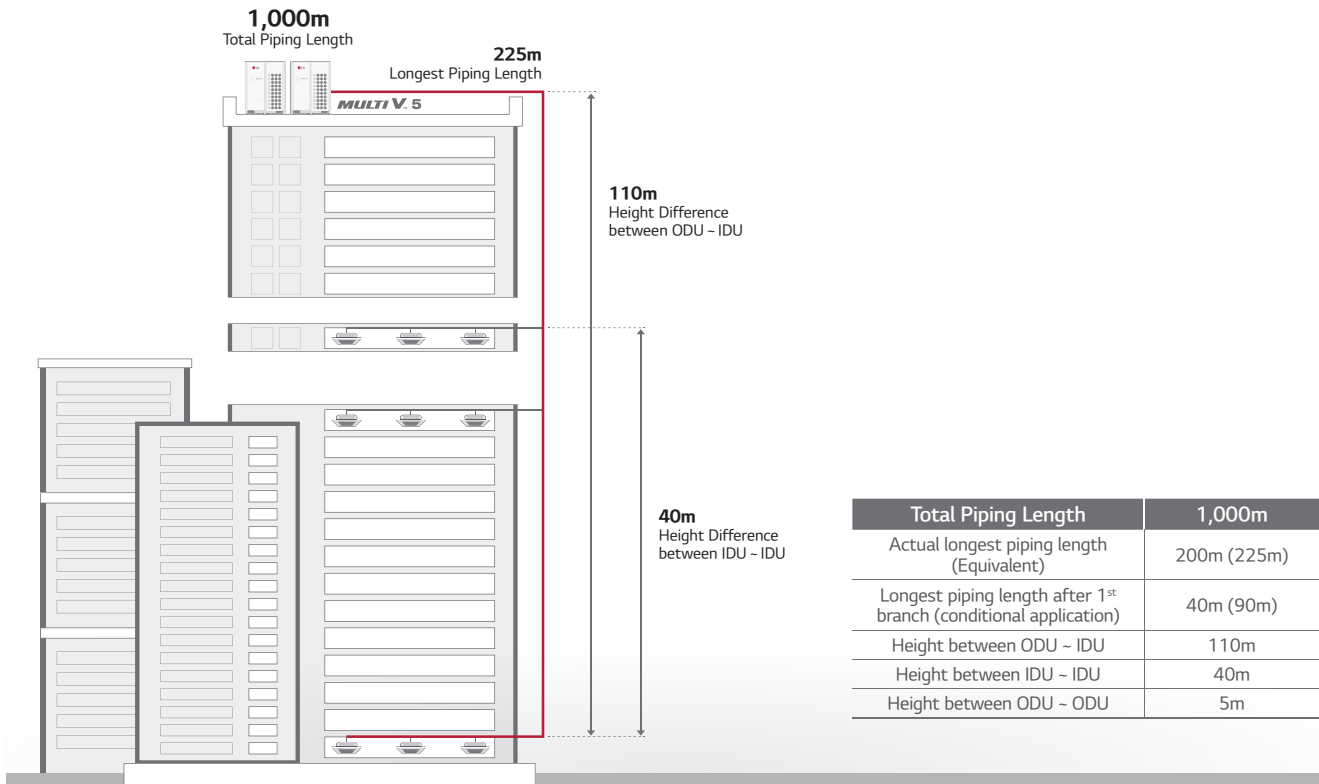


Efficiency Increase Up to **33%**

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

MULTI V 5

Piping Length



Active Refrigerant Control

Stable operation & Sustaining most efficient operation

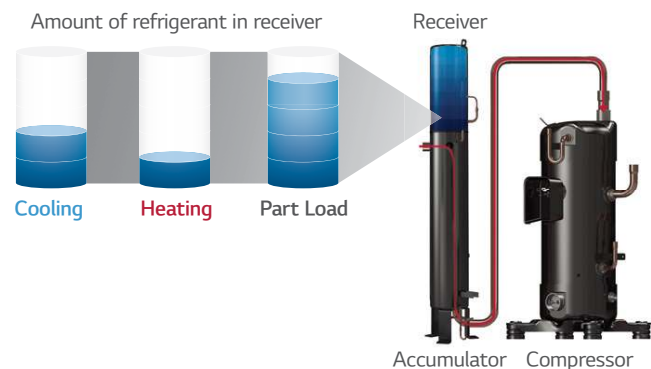
The accumulator in the outdoor unit has a storage tank mounted inside accumulator known as the receiver tank. The receiver tank is equipped with inlet and outlet valves that are electronically opened and closed. Refrigerant is being passed between the accumulator and the receiver tank on a continuous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

What are the benefits?

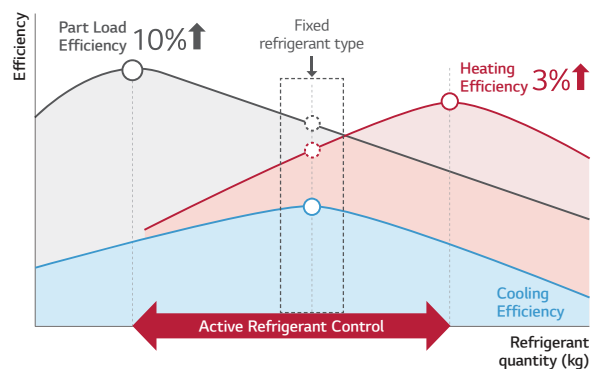
Widens the ambient temperature range at which stable operation occurs.

Sustains most efficient system operation irrelevant of outdoor weather conditions, operating mode, or building load.

Technology mechanism



Efficiency performance



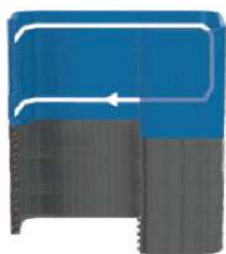
Variable Path Heat Exchanger

Optimized system efficiency & Continuous heating

MULTI V 5 outdoor units are manufactured with horizontally split ODU coil consisting of two independently circuited sections. Each half the coil is independently controlled. This split coil feature makes it possible for MULTI V 5 to provide continuous heating during defrost. The coil circuiting and valve arrangement also makes it possible for the MULTI V 5 controller to change the flow path of refrigerant through one of the two coils only, or through both coils in either a series or parallel arrangement. Based on system pressures, ambient temperature conditions, and mode of operation, the system controller may modify the selected path at any time.

What are the benefits?

Optimizes system efficiency irrelevant of operating modes as ambient weather conditions change.
Customizes the area of outdoor units heat transfer surface in use dynamically.



Low ambient cooling and / or light building load

- Half active
- Lower idle



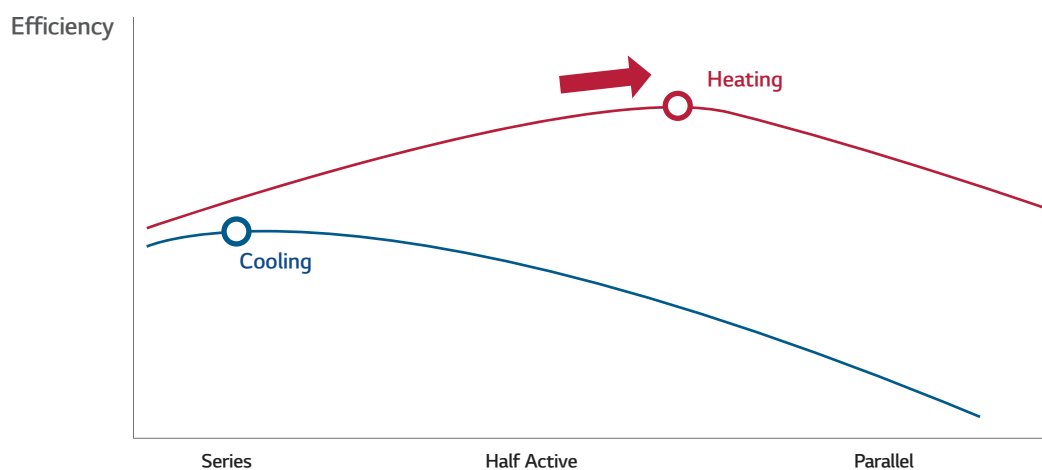
Full load cooling

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



Heating - all conditions

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



MULTI V 5

Low-Noise Operation

Unlike the previous model which enables low-noise operation only during night after judgment time, the low-noise operation of MULTI V 5 can function regardless of the time at the noise sensitive areas.

Automatic

Noise automatically adjusted

Manual

Choose preferred settings with remote based on noise conditions

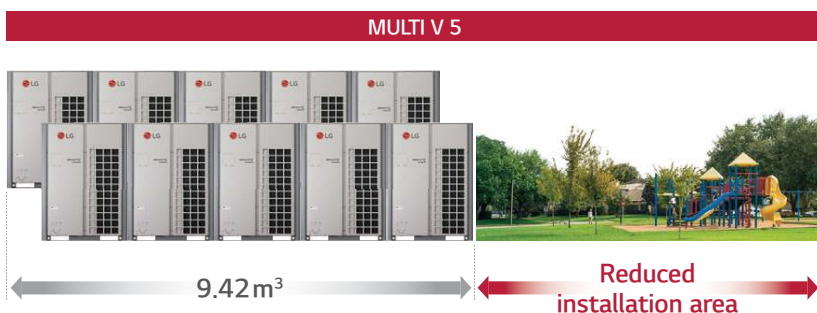
Indoor setting available

※ Indoor set up available with Standard III Remote Controller.

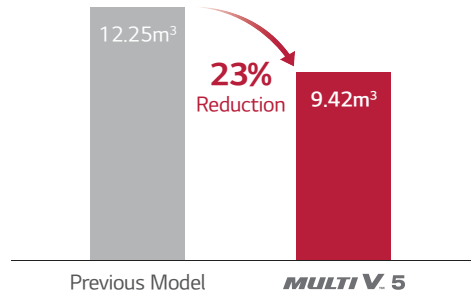
Flexible Installation Space with Large Capacity Outdoor Units

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

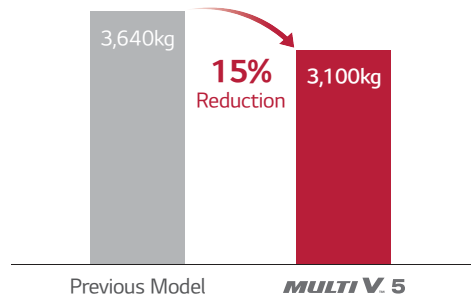
Comparison on installation space



Installation space area comparison



Product weight comparison



Dual Sensing SLC (Smart Load Control)

Enhanced energy saving & Increased indoor comfort

Cooling loads vary according to both temperature and humidity. With Dual sensing SLC, the proper amount of work can be exerted to meet the load not only depending on current temperature, but also on humidity. As a result, less work will be needed at the same temperature when humidity is lower. It influences the VRF system main processor's decision on where to set the system's target high or low system pressure values.

Smart Load Control monitors two inputs

- 1) Outdoor ambient dry bulb temperature
- 2) Relative humidity

What are the benefits?

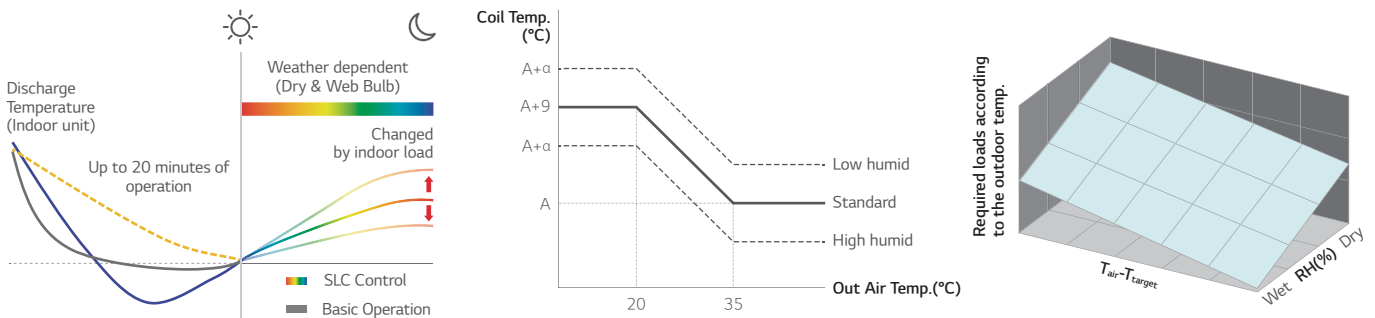
Enhanced energy savings

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

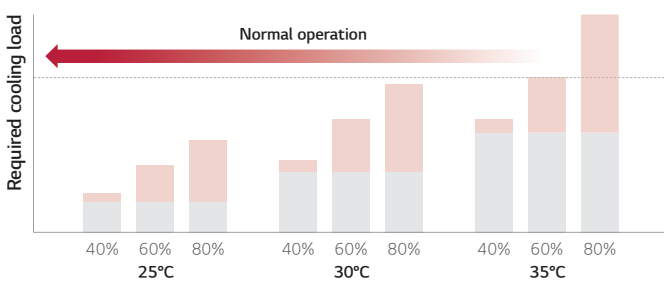
Increased indoor comfort

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

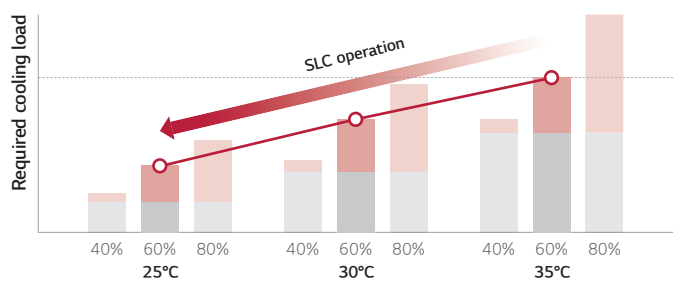
SLC (Smart Load Control)



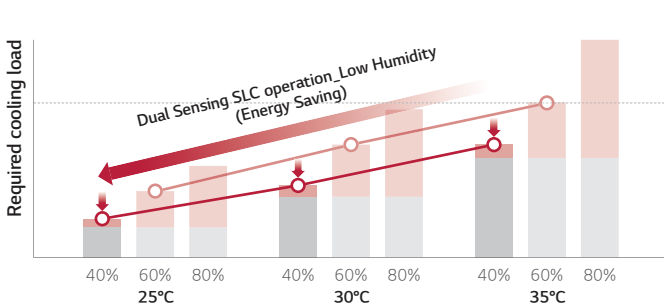
Normal operating mode



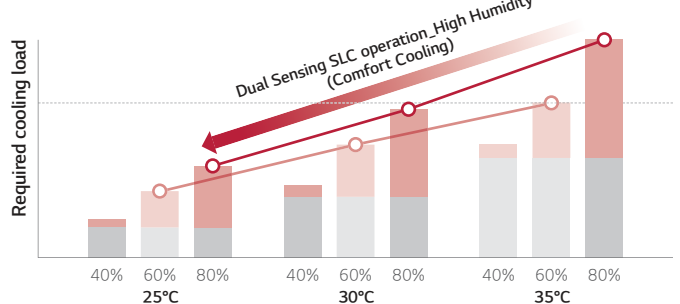
SLC operating mode



SLC operating mode - Low Humidity



SLC operating mode - High Humidity



Latent heat load (Red) Sensible heat load (Grey)

MULTI V 5

Comfort Cooling

Increased indoor comfort & Enhanced operating efficiency

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

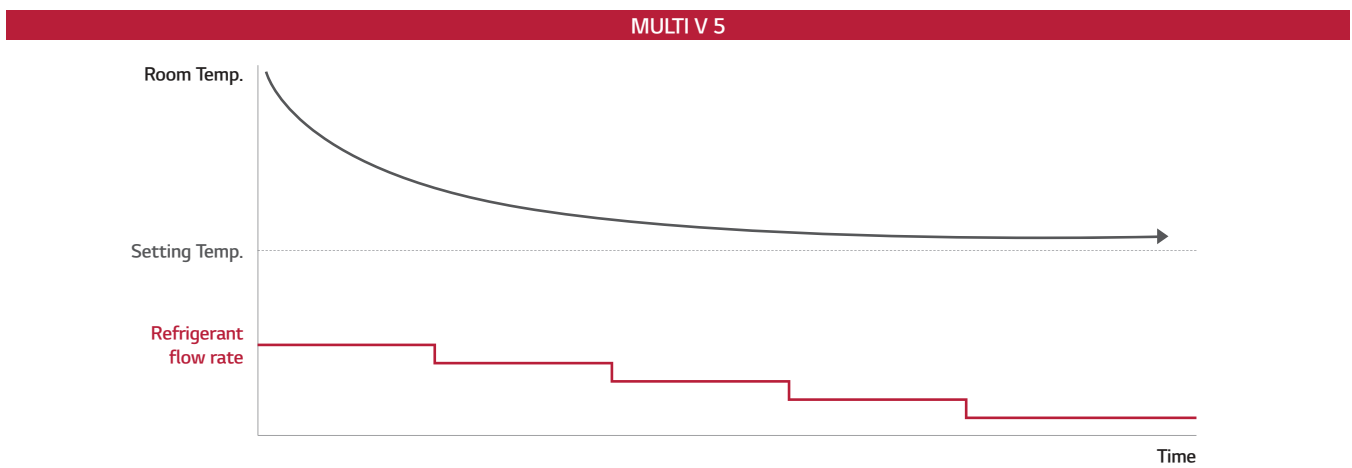
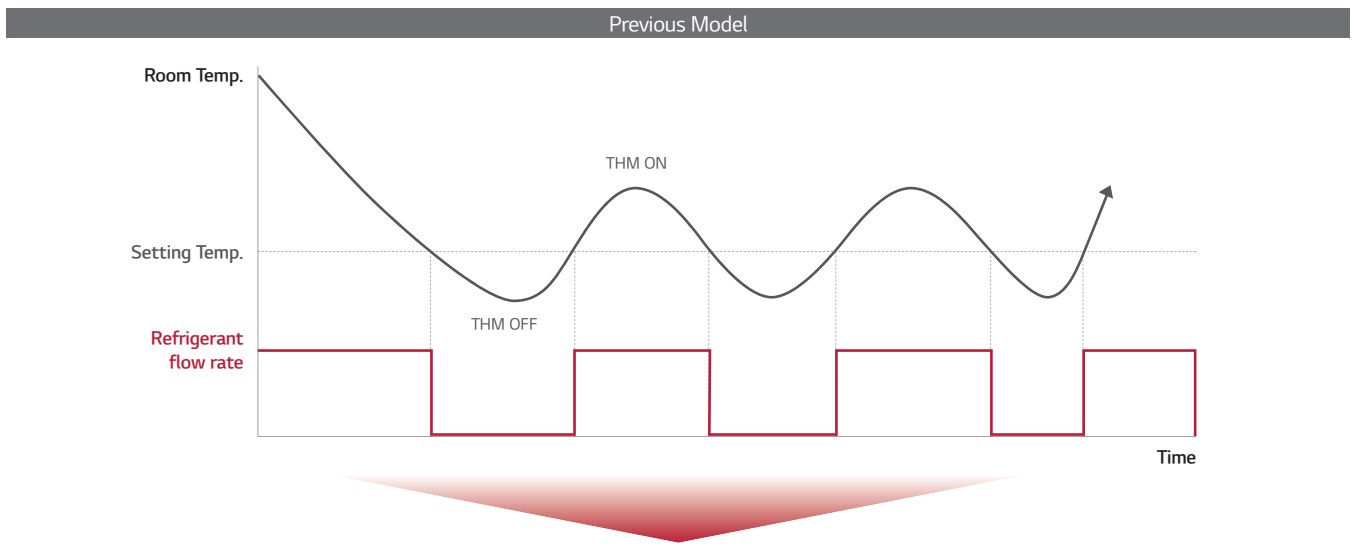
What are the benefits?

Increased indoor comfort

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

Enhanced operating efficiency

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



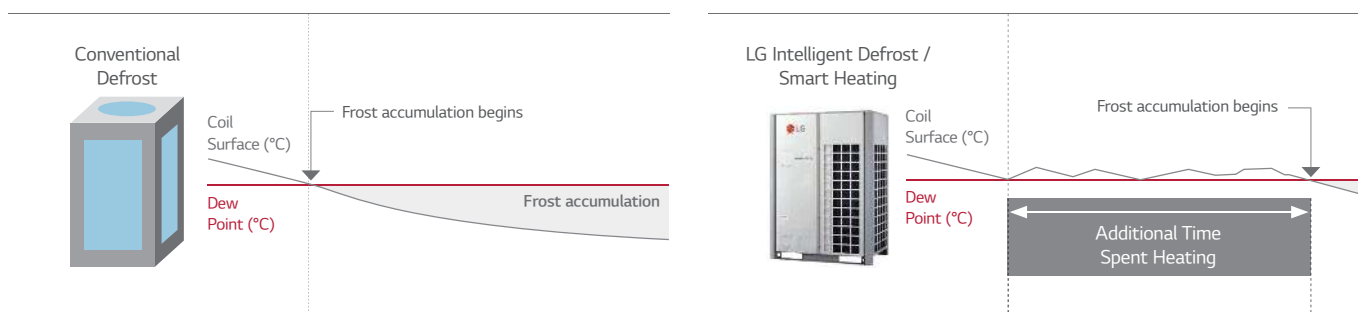
Intelligent Defrost

Increased heating run-hours

MULTI V 5 provides the same user selected defrost mode and method provided by LG's Intelligent Defrost based on current outdoor ambient temperature. With the addition of the outdoor air humidity sensor, MULTI V 5 Intelligent Defrost just got smarter. MULTI V 5 computes the current ambient air dew point temperature - the temperature at which frost will form on the outdoor unit coil in winter operation. MULTI V 5 makes continuous adjustments to the refrigeration cycle operating parameters to keep the outdoor coil surface temperature above actual dew point which can be calculated by using dry bulb Temp. and relative humidity. When the refrigeration cycle operating parameters can be adjusted no further without sacrificing heating comfort, further adjustment is stopped and frost is allowed to build on the coil.

What are the benefits?

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



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

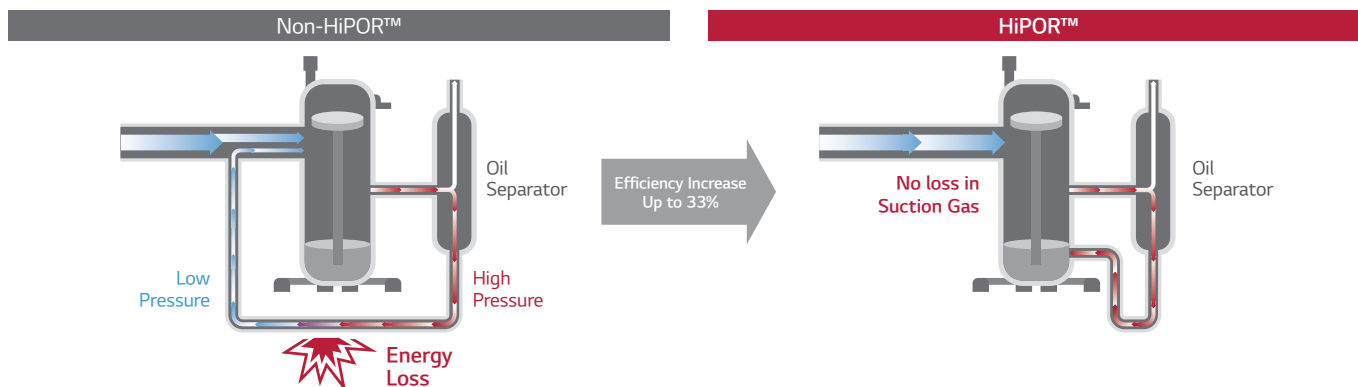
HiPOR™

Maximized reliability & Efficiency of compressor

HiPOR™ is a trademark for LG's High Performance Oil Return apparatus. It consists of an oil separator, oil drain line between the separator and the compressor. HiPOR™ technology enables oil to return directly into the compressor, instead of returning through the refrigerant suction pipe. This does not waste energy when oil flows between the separator and the compressor. Because the operating pressure in the chamber containing the oil sump of the compressor and the pressure in the oil separator are nearly equal, there is no loss in compressor efficiency.

What are the benefits?

Maximizes reliability and efficiency of the compressor



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

MULTI V 5

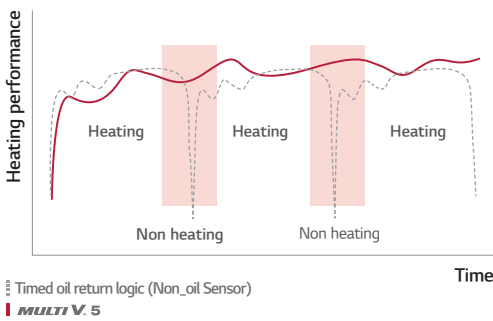
Smart Oil Management

Energy saving, Enhanced heating & Increased compressor reliability

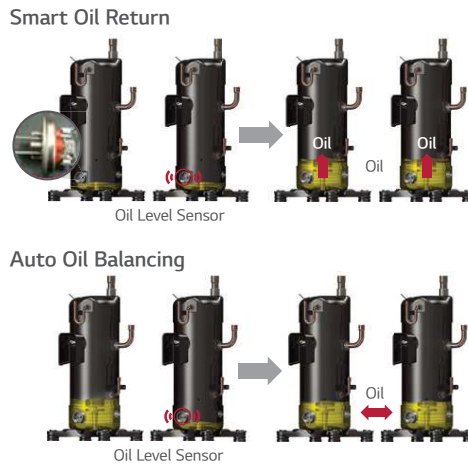
MULTI V 5 performs oil return on an as needed basis under normal operating conditions. An oil level sensor is provided in every LG VRF compressor. If the sensor indicates the compressor oil level is low, the main system processor is notified that an oil return cycle is necessary. Oil balancing cycle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

What are the benefits?

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



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



Vapor Injection

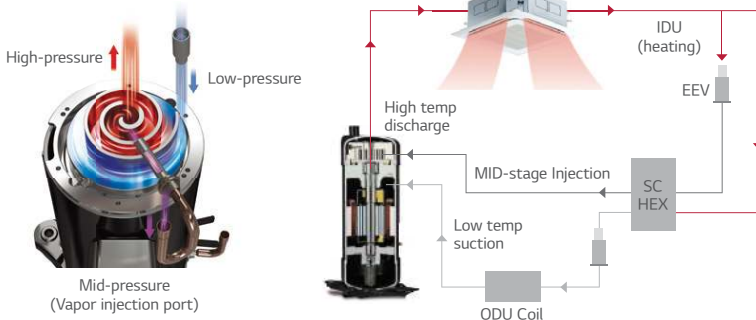
Increased heating performance

During low ambient operation down to -25°C, the sub-cooler provides medium temperature refrigerant gas to the compressor's vapor injection system. When injected into the compression chamber, system mass flow increases which stabilizes the system's suction pressure. In all cases the vapor injection increases the compressors cycle efficiency and reduces operating cost.

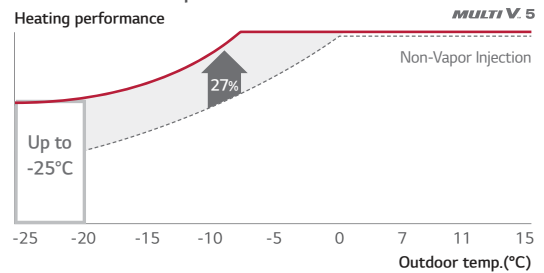
What are the benefits?

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

Technology Mechanism



Performance Comparison



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

Black Fin II

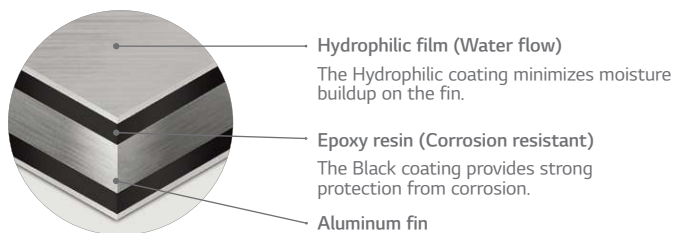
Improved durability

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

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

What are the benefits?

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



Condition of salt spray test

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

Condition of gas exposure test

Temp.	Relative Humidity	Gas Volume Fraction	
		NO ₂	SO ₂
25°C	95%	10 x 10 ⁻⁶	5 x 10 ⁻⁶

Biomimetic Fan

Maximized performance

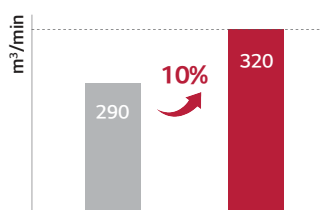
MULTI V 5 outdoor units fans have been upgraded. The moire pattern from external texture of clam shells has been applied on fans to create the range difference that results in reduction of noise level. At the same time, unlike the fans installed in previous products that generate separation of flow due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

What are the benefits?

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

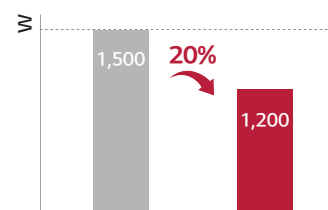


Air Flow Rate



※ Comparison based on 20HP model.

Power Consumption



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

MULTI V 5

One Unified Model

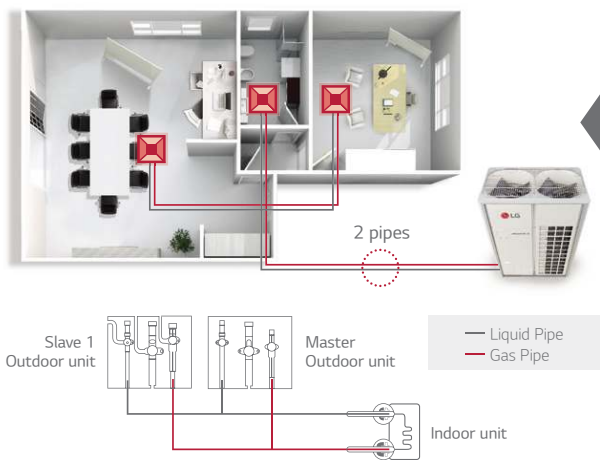
Heat pump / Heat recovery with one platform

LG MULTI V 5 satisfies users' various needs with just one platform. Heat pump system works for the sites where either cooling or heating operation is needed, while heat recovery system fits perfectly to the sites wherein both the cooling and heating operations are simultaneously needed or locations installed with hot water solution to provide hot water and heating via radiator. By providing suitable solutions that cater to any building types and their requirements, MULTI V 5 offers the best HVAC system.

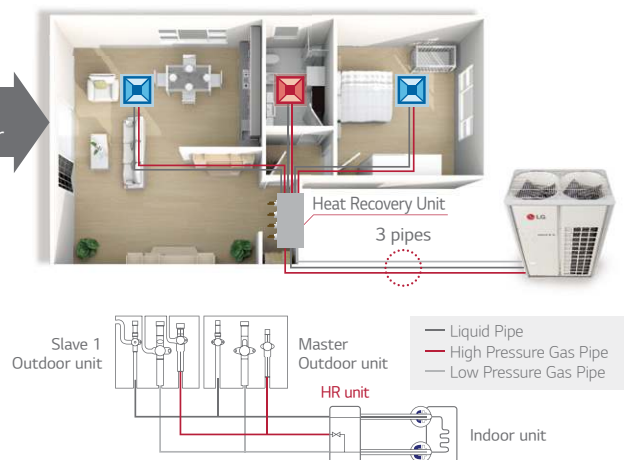
What are the benefits?

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

Heat Pump System



Heat Recovery System



Type Changeover

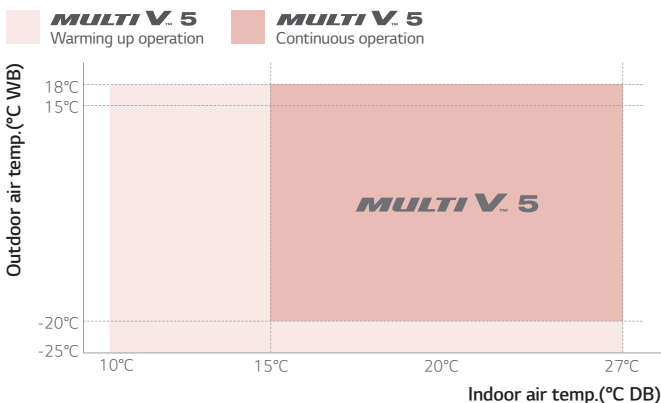
Wider Operation Range

Able to operate at extreme conditions

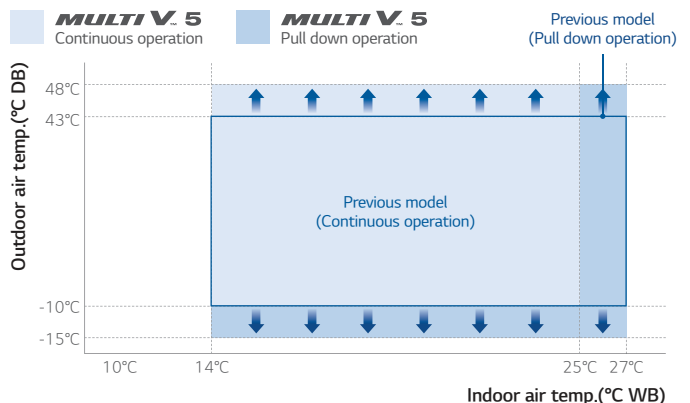
With enhanced inverter compressor and control technology coming from improved inverter cooling technology, sub-cooling and vapor injection, MULTI V 5 extended range of cooling and heating operations. For heating, it can operate at as low as -25°C to perform properly even at very cold environment. It is improved perfectly to fully function at extreme conditions such as performing cooling operation at -15°C, making the product adequate for uses in specialized venues like technical rooms. Moreover, MULTI V 5's cycle technology with enhanced durability enables optimal cooling performance at high temperature that increases up to 48°C.

Non TROPICAL MODEL

Heating

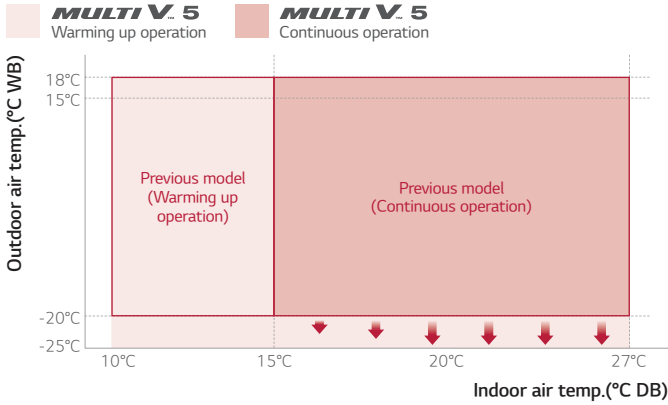


Cooling

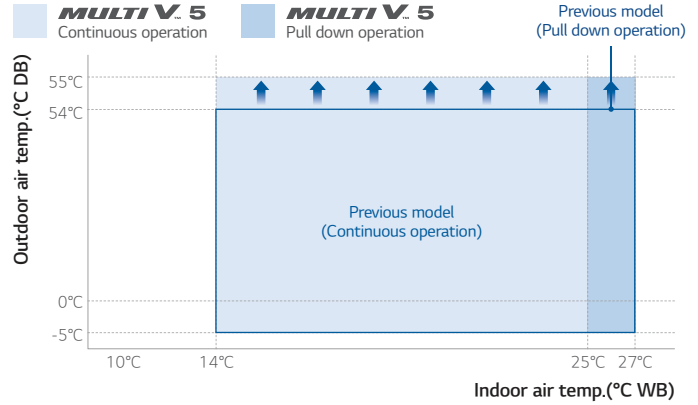


TROPICAL MODEL

Heating



Cooling



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

Simple Test Run via LGMV

Increased overall efficiency in installation

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

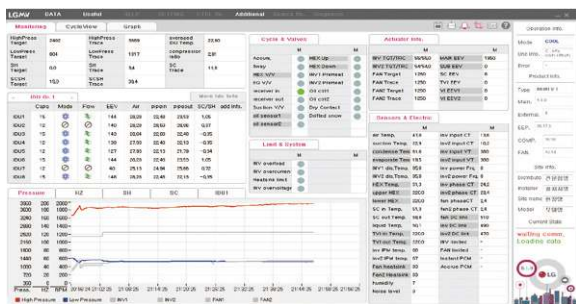
Previous



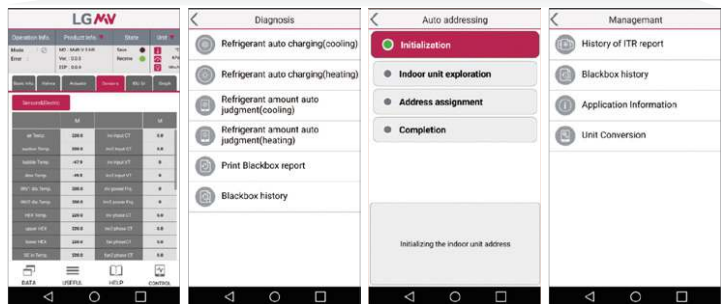
MULTI V 5



Wi-Fi MV Module



LGMV



Cycle Monitoring

Diagnosis

Installation

Smart Management

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN080LEH5 / ARUN100LEH5 / ARUN120LEH5



HP		8	10	12	
Model Name	Combination Unit	ARUN080LEH5	ARUN100LEH5	ARUN120LEH5	
	Independent Unit	ARUN080LEH5	ARUN100LEH5	ARUN120LEH5	
Capacity (Rated)	*Cooling - T1 35°C	kW	22.4	28.0	33.6
		Btu/h	76,400	95,500	114,600
	**Cooling - T3 46°C	kW	20.2	25.5	33.0
		Btu/h	68,800	87,000	112,600
	Heating	kW	25.2	31.5	37.8
		Btu/h	86,000	107,500	129,000
Input (Rated)	*Cooling - T1 35°C	kW	4.52	5.58	7.53
	**Cooling - T3 46°C	kW	6.20	7.75	9.60
	Heating	kW	4.88	5.68	7.58
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	16.9	17.1	15.2
	**Cooling - T3 46°C	Btu/Watt-h	11.1	11.2	11.7
	Heating	Btu/Watt-h	17.6	18.9	17.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.96	5.02	4.46
	**Cooling - T3 46°C	W/W	3.25	3.29	3.44
	Heating	W/W	5.16	5.55	4.99
Power Factor	Rated	-	0.93	0.93	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Compressor	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	
	Starting Method		Inverter	Inverter	
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	
Fan	Type		Propeller Fan	Propeller Fan	
	Motor Output x Number	W	1,200 x 1	900 x 2	
	Air Flow Rate (High)	m ³ /min	240 x 1	240 x 1	320 x 1
		ft ³ /min	8,476 x 1	8,476 x 1	11,301 x 1
	Drive		DC INVERTER	DC INVERTER	
Discharge	Side / Top	TOP	TOP		
Pipe Connections	Liquid Pipe	mm (inch)	9.52 (3/8)	12.7 (1/2)	
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	
Dimensions (W x H x D)	mm	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	
	inch	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	
Net Weight	kg	188 x 1	188 x 1	220 x 1	
	lbs	414 x 1	414 x 1	485 x 1	
Sound Pressure Level	Cooling / Heating	dB(A)	58.0 / 59.0	59.0 / 60.0	
Sound Power Level	Cooling / Heating	dB(A)	77.0 / 78.0	78.0 / 79.0	
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	
Communication Cable	No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	
	Precharged Amount in Factory	kg	10.0	10.0	
		lbs	22.0	22.0	
	t-CO ₂ eq		20.9	20.9	
Control		Electronic Expansion Valve	Electronic Expansion Valve		
Power Supply	Ø, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50	
Number of Maximum Connectable Indoor Units		13	16	20	

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

TROPICAL MODEL

HIGH EFFICIENCY

ARUN140LEH5 / ARUN160LEH5 / ARUN180LEH5



HP			14	16	18
Model Name	Combination Unit		ARUN140LEH5	ARUN160LEH5	ARUN180LEH5
	Independent Unit		ARUN140LEH5	ARUN160LEH5	ARUN180LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	39.2	44.8	50.4
		Btu/h	133,800	152,900	172,000
	**Cooling - T3 46°C	kW	38.8	40.3	45.4
		Btu/h	132,400	137,600	154,900
	Heating	kW	43.9	50.0	56.7
		Btu/h	149,900	170,600	193,500
Input (Rated)	*Cooling - T1 35°C	kW	9.10	9.87	10.72
	**Cooling - T3 46°C	kW	11.78	12.80	13.91
	Heating	kW	9.69	10.30	13.34
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.7	15.5	16.0
	**Cooling - T3 46°C	Btu/Watt-h	11.2	10.8	11.1
	Heating	Btu/Watt-h	15.5	16.6	14.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.31	4.54	4.70
	**Cooling - T3 46°C	W/W	3.29	3.15	3.26
	Heating	W/W	4.53	4.85	4.25
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m ³ /min	320 x 1	320 x 1	320 x 1
		ft ³ /min	11,301 x 1	11,301 x 1	11,301 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W x H x D)	mm		(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
	inch		(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1
Net Weight	kg		220 x 1	260 x 1	274 x 1
	lbs		485 x 1	573 x 1	604 x 1
Sound Pressure Level	Cooling / Heating	dB(A)	60.0 / 61.0	60.5 / 61.5	61.0 / 62.0
Sound Power Level	Cooling / Heating	dB(A)	82.0 / 84.0	83.0 / 85.0	85.0 / 86.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0	12.0	14.0
		lbs	28.7	26.5	30.9
	t-CO ₂ eq		27.1	25.1	29.2
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			23	26	29

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN200LEH5 / ARUN220LEH5 / ARUN240LEH5



HP			20	22	24
Model Name	Combination Unit		ARUN200LEH5	ARUN220LEH5	ARUN240LEH5
	Independent Unit		ARUN200LEH5	ARUN120LEH5 ARUN100LEH5	ARUN140LEH5 ARUN100LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	56.0	61.6	67.2
		Btu/h	191,100	210,200	229,300
	**Cooling - T3 46°C	kW	49.0	58.5	64.3
		Btu/h	167,200	199,600	219,400
Heating	kW	63.0	69.3	75.4	
	Btu/h	215,000	236,500	257,300	
Input (Rated)	*Cooling - T1 35°C	kW	12.50	13.11	14.68
	**Cooling - T3 46°C	kW	15.77	17.35	19.53
	Heating	kW	15.52	13.26	15.37
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	15.3	16.0	15.6
	**Cooling - T3 46°C	Btu/Watt-h	10.6	11.5	11.2
	Heating	Btu/Watt-h	13.9	17.8	16.7
COP (Rated)	*Cooling - T1 35°C	W/W	4.48	4.70	4.58
	**Cooling - T3 46°C	W/W	3.11	3.37	3.29
	Heating	W/W	4.06	5.23	4.91
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 2	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate (High)	m ³ /min ft ³ /min	320 x 1 11,301 x 1	(320 x 1) + (240 x 1) (11,301 x 1) + (8,476 x 1)	(320 x 1) + (240 x 1) (11,301 x 1) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	274 x 1	(220 x 1) + (188 x 1)	(220 x 1) + (188 x 1)
		lbs	604 x 1	(485 x 1) + (414 x 1)	(485 x 1) + (414 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.0 / 64.5	61.5 / 62.5	62.1 / 63.1
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 87.0	81.5 / 82.5	83.5 / 85.2
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg lbs	14.0 30.9	10.0 + 13.0 22.0 + 28.7	10.0 + 13.0 22.0 + 28.7
	t-CO ₂ eq		29.2	48.0	48.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		∅, V, Hz	3, 380 - 415, 50 3, 400, 60	3, 380 - 415, 50 3, 400, 60	3, 380 - 415, 50 3, 400, 60
Number of Maximum Connectable Indoor Units			32	35	39

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

HIGH EFFICIENCY

ARUN260LEH5 / ARUN280LEH5 / ARUN300LEH5



HP			26	28	30
Model Name	Combination Unit		ARUN260LEH5	ARUN280LEH5	ARUN300LEH5
	Independent Unit		ARUN140LEH5 ARUN120LEH5	ARUN140LEH5 ARUN140LEH5	ARUN160LEH5 ARUN140LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	72.8	78.4	84.0
		Btu/h	248,400	267,500	286,600
	**Cooling - T3 46°C	kW	71.8	77.6	79.1
		Btu/h	245,000	264,800	270,000
Heating	kW	81.7	87.8	93.9	
	Btu/h	278,800	299,700	320,500	
Input (Rated)	*Cooling - T1 35°C	kW	16.63	18.20	18.97
	**Cooling - T3 46°C	kW	21.38	23.56	24.58
	Heating	kW	17.27	19.38	19.99
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.9	14.7	15.1
	**Cooling - T3 46°C	Btu/Watt-h	11.5	11.2	11.0
	Heating	Btu/Watt-h	16.1	15.5	16.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.38	4.31	4.43
	**Cooling - T3 46°C	W/W	3.36	3.29	3.22
	Heating	W/W	4.73	4.53	4.70
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)
	Starting Method		Inverter	Inverter	Inverter
Oil Type			FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4
	Air Flow Rate (High)	m ³ /min	320 x 2	320 x 2	320 x 2
		ft ³ /min	11,301 x 2	11,301 x 2	11,301 x 2
Drive		DC INVERTER	DC INVERTER	DC INVERTER	
Discharge	Side / Top		TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)	mm		(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2
	inch		(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2
Net Weight	kg		220 x 2	220 x 2	(260 x 1) + (220 x 1)
	lbs		485 x 2	485 x 2	(573 x 1) + (485 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.5 / 63.5	63.0 / 64.0	63.3 / 64.3
Sound Power Level	Cooling / Heating	dB(A)	83.8 / 85.5	85.0 / 87.0	85.5 / 87.5
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 13.0	13.0 + 13.0	12.0 + 13.0
		lbs	28.7 + 28.7	28.7 + 28.7	26.5 + 28.7
	t-CO ₂ eq		54.3	54.3	52.2
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			42	45	49

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

- Piping Length : Interconnected Pipe Length = 7.5m

- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN320LEH5 / ARUN340LEH5 / ARUN360LEH5



HP		32	34	36	
Model Name	Combination Unit	ARUN320LEH5	ARUN340LEH5	ARUN360LEH5	
	Independent Unit	ARUN180LEH5 ARUN140LEH5	ARUN200LEH5 ARUN140LEH5	ARUN200LEH5 ARUN160LEH5	
Capacity (Rated)	*Cooling - T1 35°C	kW	89.6	95.2	100.8
		Btu/h	305,700	324,800	343,900
	**Cooling - T3 46°C	kW	84.2	87.8	89.3
		Btu/h	287,300	299,600	304,800
Heating	kW	100.6	106.9	113.0	
	Btu/h	343,300	364,800	385,600	
Input (Rated)	*Cooling - T1 35°C	kW	19.82	21.60	22.37
	**Cooling - T3 46°C	kW	25.69	27.55	28.57
	Heating	kW	23.03	25.21	25.82
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.4	15.0	15.4
	**Cooling - T3 46°C	Btu/Watt·h	11.2	10.9	10.7
	Heating	Btu/Watt·h	14.9	14.5	14.9
COP (Rated)	*Cooling - T1 35°C	W/W	4.52	4.41	4.51
	**Cooling - T3 46°C	W/W	3.28	3.19	3.13
	Heating	W/W	4.37	4.24	4.38
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Compressor	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	(5,300 x 3) + (4,200 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type	Propeller Fan	Propeller Fan	Propeller Fan	
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4
	Air Flow Rate (High)	m ³ /min	320 x 2	320 x 2	320 x 2
		ft ³ /min	11,301 x 2	11,301 x 2	11,301 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	41.3 (1-5/8)
Dimensions (W x H x D)	mm	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2	
	inch	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2	
Net Weight	kg	(274 x 1) + (220 x 1)	(274 x 1) + (220 x 1)	(274 x 1) + (260 x 1)	
	lbs	(604 x 1) + (485 x 1)	(604 x 1) + (485 x 1)	(604 x 1) + (573 x 1)	
Sound Pressure Level	Cooling / Heating	dB(A)	63.5 / 64.5	64.1 / 66.1	64.3 / 66.3
Sound Power Level	Cooling / Heating	dB(A)	86.8 / 88.1	87.5 / 88.8	87.8 / 89.1
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 13.0	14.0 + 13.0	14.0 + 12.0
		lbs	30.9 + 28.7	30.9 + 28.7	30.9 + 26.5
	t-CO ₂ eq		56.4	56.4	54.3
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units		52	55	58	

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

TROPICAL MODEL
HIGH EFFICIENCY

ARUN380LEH5 / ARUN400LEH5 / ARUN420LEH5



HP			38	40	42
Model Name	Combination Unit		ARUN380LEH5	ARUN400LEH5	ARUN420LEH5
	Independent Unit		ARUN200LEH5 ARUN180LEH5	ARUN200LEH5 ARUN200LEH5	ARUN140LEH5 ARUN140LEH5 ARUN140LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	106.4	112.0	117.6
		Btu/h	363,000	382,100	401,300
	**Cooling - T3 46°C	kW	94.4	98.0	116.4
		Btu/h	322,100	334,400	397,200
Heating	kW	119.7	126.0	131.8	
	Btu/h	408,400	429,900	449,600	
Input (Rated)	*Cooling - T1 35°C	kW	23.22	25.00	27.30
	**Cooling - T3 46°C	kW	29.68	31.54	35.34
	Heating	kW	28.86	31.04	29.07
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	15.6	15.3	14.7
	**Cooling - T3 46°C	Btu/Watt-h	10.9	10.6	11.2
	Heating	Btu/Watt-h	14.2	13.8	15.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.58	4.48	4.31
	**Cooling - T3 46°C	W/W	3.18	3.11	3.29
	Heating	W/W	4.15	4.06	4.53
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	5,300 x 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D(PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 6
	Air Flow Rate (High)	m³/min	320 x 2	320 x 2	320 x 3
		ft³/min	11,301 x 2	11,301 x 2	11,301 x 3
Drive		DC INVERTER	DC INVERTER	DC INVERTER	
Discharge	Side / Top		TOP	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 3
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 3
Net Weight		kg	274 x 2	274 x 2	220 x 3
		lbs	604 x 2	604 x 2	485 x 3
Sound Pressure Level	Cooling / Heating	dB(A)	64.5 / 66.4	65.0 / 67.5	64.8 / 65.8
Sound Power Level	Cooling / Heating	dB(A)	88.5 / 89.5	89.0 / 90.0	86.8 / 88.8
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm² (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0	14.0 + 14.0	13.0 + 13.0 + 13.0
		lbs	30.9 + 30.9	30.9 + 30.9	28.7 + 28.7 + 28.7
	t-CO ₂ eq		58.5	58.5	81.4
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	∅, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			61	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)
 • Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 • Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 • Piping Length : Interconnected Pipe Length = 7.5m
 • Height difference between outdoor unit and indoor unit : 0m
 2. The Maximum combination ratio is 130%.
 3. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
 4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Power factor could vary less than ±1% according to the operating conditions.
 6. Due to our policy of innovation some specifications may be changed without notification.

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN440LEH5 / ARUN460LEH5 / ARUN480LEH5



HP			44	46	48
Model Name	Combination Unit		ARUN440LEH5	ARUN460LEH5	ARUN480LEH5
	Independent Unit		ARUN160LEH5 ARUN140LEH5 ARUN140LEH5	ARUN180LEH5 ARUN140LEH5 ARUN140LEH5	ARUN200LEH5 ARUN140LEH5 ARUN140LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	123.2	128.8	134.4
		Btu/h	420,400	439,500	458,600
	**Cooling - T3 46°C	kW	117.9	123.0	126.6
		Btu/h	402,300	419,700	432,000
	Heating	kW	137.8	144.5	150.8
		Btu/h	470,300	493,200	514,700
Input (Rated)	*Cooling - T1 35°C	kW	28.07	28.92	30.70
	**Cooling - T3 46°C	kW	36.36	37.47	39.33
	Heating	kW	29.68	32.72	34.90
EER (Rated)	*Cooling - T1 35°C	Btu/Watt·h	15.0	15.2	14.9
	**Cooling - T3 46°C	Btu/Watt·h	11.1	11.2	11.0
	Heating	Btu/Watt·h	15.8	15.1	14.7
COP (Rated)	*Cooling - T1 35°C	W/W	4.39	4.45	4.38
	**Cooling - T3 46°C	W/W	3.24	3.28	3.22
	Heating	W/W	4.64	4.42	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 3) + (4,200 × 1)	5,300 × 4	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m³/min	320 × 3	320 × 3	320 × 3
		ft³/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)	mm		(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight	kg		(260 × 1) + (220 × 2)	(274 × 1) + (220 × 2)	(274 × 1) + (220 × 2)
	lbs		(573 × 1) + (485 × 2)	(604 × 1) + (485 × 2)	(604 × 1) + (485 × 2)
Sound Pressure Level	Cooling / Heating	dB(A)	64.9 / 65.9	65.1 / 66.1	65.5 / 67.3
Sound Power Level	Cooling / Heating	dB(A)	87.1 / 89.1	88.0 / 89.5	88.5 / 90.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	12.0 + 13.0 + 13.0	14.0 + 13.0 + 13.0	14.0 + 13.0 + 13.0
		lbs	26.5 + 28.7 + 28.7	30.9 + 28.7 + 28.7	30.9 + 28.7 + 28.7
	t-CO ₂ eq		79.3	83.5	83.5
Control		Electronic Expansion Valve			
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units			3, 400, 60	3, 400, 60	3, 400, 60
			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

TROPICAL MODEL

HIGH EFFICIENCY

ARUN500LEH5 / ARUN520LEH5



HP			50	52
Model Name	Combination Unit		ARUN500LEH5	ARUN520LEH5
	Independent Unit		ARUN200LEH5 ARUN160LEH5 ARUN140LEH5	ARUN200LEH5 ARUN180LEH5 ARUN140LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	140.0	145.6
		Btu/h	477,700	496,800
	**Cooling - T3 46°C	kW	128.1	133.2
		Btu/h	437,100	454,500
	Heating	kW	156.9	163.6
		Btu/h	535,400	558,300
Input (Rated)	*Cooling - T1 35°C	kW	31.47	32.32
	**Cooling - T3 46°C	kW	40.35	41.46
	Heating	kW	35.51	38.55
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	15.2	15.4
	**Cooling - T3 46°C	Btu/Watt-h	10.8	11.0
	Heating	Btu/Watt-h	15.1	14.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.45	4.50
	**Cooling - T3 46°C	W/W	3.18	3.21
	Heating	W/W	4.42	4.24
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 4) + (4,200 × 1)	5,300 × 5
	Starting Method		Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 6	900 × 6
	Air Flow Rate (High)	m ³ /min	320 × 3	320 × 3
		ft ³ /min	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(274 × 1) + (260 × 1) + (220 × 1)	(274 × 2) + (220 × 1)
		lbs	(604 × 1) + (573 × 1) + (485 × 1)	(604 × 2) + (485 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	65.7 / 67.4	65.8 / 67.5
Sound Power Level	Cooling / Heating	dB(A)	88.8 / 90.3	89.4 / 90.6
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm ² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 12.0 + 13.0	14.0 + 14.0 + 13.0
		lbs	30.9 + 26.5 + 28.7	30.9 + 30.9 + 28.7
	t-CO ₂ eq		81.4	85.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		∅, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

TROPICAL MODEL

HIGH EFFICIENCY

ARUN540LEH5 / ARUN560LEH5



HP		54	56
Model Name	Combination Unit	ARUN540LEH5	ARUN560LEH5
	Independent Unit	ARUN200LEH5 ARUN200LEH5 ARUN140LEH5	ARUN200LEH5 ARUN200LEH5 ARUN160LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW 151.2 Btu/h 515,900	156.8 535,000
	**Cooling - T3 46°C	kW 136.8 Btu/h 466,800	138.3 471,900
	Heating	kW 169.9 Btu/h 579,800	176.0 600,500
Input (Rated)	*Cooling - T1 35°C	kW 34.10	34.87
	**Cooling - T3 46°C	kW 43.32	44.34
	Heating	kW 40.73	41.34
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h 15.1	15.3
	**Cooling - T3 46°C	Btu/Watt-h 10.8	10.6
	Heating	Btu/Watt-h 14.2	14.5
COP (Rated)	*Cooling - T1 35°C	W/W 4.43	4.50
	**Cooling - T3 46°C	W/W 3.16	3.12
	Heating	W/W 4.17	4.26
Power Factor	Rated	-	0.93
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger		Wide Louver Plus	Wide Louver Plus
Compressor	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No. 5,300 x 5	(5,300 x 5) + (4,200 x 1)
	Starting Method	Inverter	Inverter
Fan	Oil Type	FVC68D (PVE)	FVC68D (PVE)
	Type	Propeller Fan	Propeller Fan
	Motor Output x Number	W 900 x 6	900 x 6
	Air Flow Rate (High)	m³/min 320 x 3 ft³/min 11,301 x 3	320 x 3 11,301 x 3
	Drive	DC INVERTER	DC INVERTER
	Discharge	Side / Top TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch) 19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch) 41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)	mm inch	(1,240 x 1,690 x 760) x 3 (48-13/16 x 66-17/32 x 29-29/32) x 3	(1,240 x 1,690 x 760) x 3 (48-13/16 x 66-17/32 x 29-29/32) x 3
Net Weight	kg lbs	(274 x 2) + (220 x 1) (604 x 2) + (485 x 1)	(274 x 2) + (260 x 1) (604 x 2) + (573 x 1)
	Sound Pressure Level	Cooling / Heating dB(A) 66.2 / 68.4	66.3 / 68.5
Protection Devices	Cooling / Heating dB(A) 89.8 / 91.0	90.0 / 91.2	
	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector
Communication Cable	Inverter	-	Over-heat Protection / Over-current Protection
	No. x mm² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name	R410A	R410A
	Precharged Amount in Factory	kg 14.0 + 14.0 + 13.0 lbs 30.9 + 30.9 + 28.7	14.0 + 14.0 + 12.0 30.9 + 30.9 + 26.5
	t-CO ₂ eq	85.6	83.5
	Control	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz	3, 380 - 415, 50 3, 400, 60	3, 380 - 415, 50 3, 400, 60
Number of Maximum Connectable Indoor Units		64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

HIGH EFFICIENCY

ARUN580LEH5 / ARUN600LEH5



3.35mm			58	60
Model Name	Combination Unit		ARUN580LEH5	ARUN600LEH5
	Independent Unit		ARUN200LEH5 ARUN200LEH5 ARUN180LEH5	ARUN200LEH5 ARUN200LEH5 ARUN200LEH5
Capacity (Rated)	*Cooling - T1 35°C	kW	162.4	168.0
		Btu/h	554,100	573,200
	**Cooling - T3 46°C	kW	143.4	147.0
		Btu/h	489,300	501,600
Heating	kW	182.7	189.0	
	Btu/h	623,400	644,900	
Input (Rated)	*Cooling - T1 35°C	kW	35.72	37.50
	**Cooling - T3 46°C	kW	45.45	47.31
	Heating	kW	44.38	46.56
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	15.5	15.3
	**Cooling - T3 46°C	Btu/Watt-h	10.8	10.6
	Heating	Btu/Watt-h	14.0	13.9
COP (Rated)	*Cooling - T1 35°C	W/W	4.55	4.48
	**Cooling - T3 46°C	W/W	3.16	3.11
	Heating	W/W	4.12	4.06
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 6	5,300 x 6
	Starting Method		Inverter	Inverter
	Oil Type		FVC68D (PVE)	FVC68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 6	900 x 6
	Air Flow Rate (High)	m ³ /min	320 x 3	320 x 3
		ft ³ /min	11,301 x 3	11,301 x 3
	Drive		DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)	mm		(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3
	inch		(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3
Net Weight	kg		274 x 3	274 x 3
	lbs		604 x 3	604 x 3
Sound Pressure Level	Cooling / Heating	dB(A)	66.5 / 68.6	66.8 / 69.3
Sound Power Level	Cooling / Heating	dB(A)	90.5 / 91.5	90.8 / 91.8
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0 + 14.0	14.0 + 14.0 + 14.0
		lbs	30.9 + 30.9 + 30.9	30.9 + 30.9 + 30.9
	t-CO ₂ eq		87.7	87.7
Control		Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	∅, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN080LTH5 / ARUN100LTH5 / ARUN120LTH5



HP			8	10	12
Model Name	Combination Unit		ARUN080LTH5	ARUN100LTH5	ARUN120LTH5
	Independent Unit		ARUN080LTH5	ARUN100LTH5	ARUN120LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	22.4	28.0	33.6
		Btu/h	76,400	95,500	114,600
	**Cooling - T3 46°C	kW	19.8	25.0	31.2
		Btu/h	67,600	85,300	106,500
	Heating	kW	25.2	30.3	37.8
		Btu/h	86,000	103,400	129,000
Input (Rated)	*Cooling - T1 35°C	kW	5.00	7.00	8.00
	**Cooling - T3 46°C	kW	6.37	8.33	9.54
	Heating	kW	5.80	7.30	8.06
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	15.3	13.6	14.3
	**Cooling - T3 46°C	Btu/Watt-h	10.6	10.2	11.2
	Heating	Btu/Watt-h	14.8	14.2	16.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.48	4.00	4.20
	**Cooling - T3 46°C	W/W	3.11	3.00	3.27
	Heating	W/W	4.34	4.15	4.69
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	1,200 x 1	1,200 x 1	1,200 x 1
	Air Flow Rate (High)	m³/min	240 x 1	240 x 1	240 x 1
		ft³/min	8,476 x 1	8,476 x 1	8,476 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge		Side / Top	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
Dimensions (W x H x D)			(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1
			(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight			173 x 1	171 x 1	188 x 1
			381 x 1	377 x 1	414 x 1
Sound Pressure Level	Cooling / Heating	dB(A)	58.0 / 60.0	58.5 / 60.5	59.0 / 60.0
Sound Power Level	Cooling / Heating	dB(A)	78.0 / 80.0	79.0 / 80.0	79.0 / 80.0
Protection Devices	High Pressure Protection		-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan		-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter		-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.7	4.7	10.0
		lbs	10.4	10.4	22.0
	t-CO ₂ eq		9.8	9.8	20.9
Power Supply	∅, V, Hz		Electronic Expansion Valve		Electronic Expansion Valve
			3, 380 - 415, 50		3, 380 - 415, 50
			3, 400, 60		3, 400, 60
Number of Maximum Connectable Indoor Units			13	16	20

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 - Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
2. The Maximum combination ratio is 130%.
3. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Power factor could vary less than ±1% according to the operating conditions.
6. Due to our policy of innovation some specifications may be changed without notification.

TROPICAL MODEL

STANDARD

ARUN140LTH5 / ARUN160LTH5 / ARUN180LTH5



HP			14	16	18
Model Name	Combination Unit		ARUN140LTH5	ARUN160LTH5	ARUN180LTH5
	Independent Unit		ARUN140LTH5	ARUN160LTH5	ARUN180LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	39.2	44.8	50.4
		Btu/h	133,800	152,900	172,000
	**Cooling - T3 46°C	kW	36.8	40.3	43.6
		Btu/h	125,600	137,500	148,800
	Heating	kW	43.9	50.0	56.7
		Btu/h	149,900	170,600	193,500
Input (Rated)	*Cooling - T1 35°C	kW	9.30	10.80	11.20
	**Cooling - T3 46°C	kW	11.20	13.15	14.39
	Heating	kW	9.69	11.36	11.98
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.4	14.2	15.4
	**Cooling - T3 46°C	Btu/Watt-h	11.2	10.5	10.3
	Heating	Btu/Watt-h	15.5	15.0	16.2
COP (Rated)	*Cooling - T1 35°C	W/W	4.22	4.15	4.50
	**Cooling - T3 46°C	W/W	3.29	3.06	3.03
	Heating	W/W	4.53	4.40	4.73
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1 + 4,200 x 1
	Starting Method		Inverter	Inverter	Inverter
Fan	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m ³ /min	320 x 1	320 x 1	320 x 1
		ft ³ /min	11,301 x 1	11,301 x 1	11,301 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	220 x 1	220 x 1	260 x 1
		lbs	485 x 1	485 x 1	573 x 1
Sound Pressure Level	Cooling / Heating	dB(A)	60.0 / 61.0	60.5 / 61.5	61.0 / 62.0
Sound Power Level	Cooling / Heating	dB(A)	82.0 / 84.0	83.0 / 85.0	85.0 / 86.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0	13.0	13.0
		lbs	28.7	28.7	28.7
	t-CO ₂ eq		27.1	27.1	25.1
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			23	26	29

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN200LTH5 / ARUN220LTH5 / ARUN240LTH5



HP			20	22	24
Model Name	Combination Unit		ARUN200LTH5	ARUN220LTH5	ARUN240LTH5
	Independent Unit		ARUN200LTH5	ARUN220LTH5	ARUN120LTH5 ARUN120LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	56.0	61.6	67.2
		Btu/h	191,100	210,200	229,300
	**Cooling - T3 46°C	kW	48.0	49.6	62.4
		Btu/h	163,800	169,100	212,900
Heating	kW	63.0	69.3	75.6	
	Btu/h	215,000	236,500	257,900	
Input (Rated)	*Cooling - T1 35°C	kW	13.00	14.84	16.00
	**Cooling - T3 46°C	kW	15.77	16.72	19.08
	Heating	kW	15.52	17.54	16.12
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.7	14.2	14.3
	**Cooling - T3 46°C	Btu/Watt-h	10.4	10.1	11.2
	Heating	Btu/Watt-h	13.9	13.5	16.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.31	4.15	4.20
	**Cooling - T3 46°C	W/W	3.04	2.96	3.27
	Heating	W/W	4.06	3.95	4.69
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 2	900 x 2	1,200 x 2
	Air Flow Rate (High)	m³/min	320 x 1	320 x 1	240 x 2
		ft³/min	11,301 x 1	11,301 x 1	8,476 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top		TOP	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 2
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 2
Net Weight		kg	274 x 1	274 x 1	188 x 2
		lbs	604 x 1	604 x 1	414 x 2
Sound Pressure Level	Cooling / Heating	dB(A)	62.0 / 64.5	64.5 / 65.5	62.0 / 63.0
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 87.0	86.0 / 88.0	82.0 / 83.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm² (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0	14.0	10.0 + 10.0
		lbs	30.9	30.9	22.0 + 22.0
	t-CO ₂ eq		29.2	29.2	41.8
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	∅, V, Hz		3, 380 ~ 415, 50	3, 380 ~ 415, 50	3, 380 ~ 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			32	35	39

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

2. The Maximum combination ratio is 1.30%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

TROPICAL MODEL

STANDARD

ARUN260LTH5 / ARUN280LTH5 / ARUN300LTH5



HP			26	28	30
Model Name	Combination Unit		ARUN260LTH5	ARUN280LTH5	ARUN300LTH5
	Independent Unit		ARUN140LTH5 ARUN120LTH5	ARUN160LTH5 ARUN120LTH5	ARUN160LTH5 ARUN140LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	72.8	78.4	84.0
		Btu/h	248,400	267,500	286,600
	**Cooling - T3 46°C	kW	68.0	71.5	77.1
		Btu/h	232,000	244,000	263,100
Heating	kW	81.7	87.8	93.9	
	Btu/h	278,800	299,600	320,500	
Input (Rated)	*Cooling - T1 35°C	kW	17.30	18.80	20.10
	**Cooling - T3 46°C	kW	20.74	22.69	24.35
	Heating	kW	17.75	19.42	21.05
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.4	14.2	14.3
	**Cooling - T3 46°C	Btu/Watt-h	11.2	10.8	10.8
	Heating	Btu/Watt-h	15.7	15.4	15.2
COP (Rated)	*Cooling - T1 35°C	W/W	4.21	4.17	4.18
	**Cooling - T3 46°C	W/W	3.28	3.15	3.17
	Heating	W/W	4.60	4.52	4.46
Power Factor	Rated	-	0.93	0.93	0.93
Exterior Color			Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	900 x 4
	Air Flow Rate (High)	m ³ /min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	320 x 2
		ft ³ /min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	11,301 x 2
Drive	DC INVERTER		DC INVERTER	DC INVERTER	
Discharge	Side / Top		TOP	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)	mm		(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2
	inch		(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2
Net Weight	kg		(220 x 1) + (188 x 1)	(220 x 1) + (188 x 1)	220 x 2
	lbs		(485 x 1) + (414 x 1)	(485 x 1) + (414 x 1)	485 x 2
Sound Pressure Level	Cooling / Heating	dB(A)	62.5 / 63.5	62.8 / 63.8	63.3 / 64.3
Sound Power Level	Cooling / Heating	dB(A)	83.8 / 85.5	84.5 / 86.2	85.5 / 87.5
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 10.0	13.0 + 10.0	13.0 + 13.0
		lbs	28.7 + 22.0	28.7 + 22.0	28.7 + 28.7
	t-CO ₂ eq			48.0	54.3
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units			42	45	49

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN320LTH5 / ARUN340LTH5 / ARUN360LTH5



HP			32	34	36
Model Name	Combination Unit		ARUN320LTH5	ARUN340LTH5	ARUN360LTH5
	Independent Unit		ARUN160LTH5 ARUN160LTH5	ARUN180LTH5 ARUN160LTH5	ARUN200LTH5 ARUN160LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	89.6	95.2	100.8
		Btu/h	305,700	324,800	343,900
	**Cooling - T3 46°C	kW	80.6	83.9	88.3
		Btu/h	275,000	286,300	301,300
	Heating	kW	100.0	106.7	113.0
		Btu/h	341,200	364,100	385,600
Input (Rated)	*Cooling - T1 35°C	kW	21.60	22.00	23.80
	**Cooling - T3 46°C	kW	26.30	27.54	28.92
	Heating	kW	22.72	23.34	26.88
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.2	14.8	14.4
	**Cooling - T3 46°C	Btu/Watt-h	10.5	10.4	10.4
	Heating	Btu/Watt-h	15.0	15.6	14.3
COP (Rated)	*Cooling - T1 35°C	W/W	4.15	4.33	4.24
	**Cooling - T3 46°C	W/W	3.06	3.05	3.05
	Heating	W/W	4.40	4.57	4.20
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 2	(5,300 x 2) + (4,200 x 1)	5,300 x 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4
	Air Flow Rate (High)	m³/min	320 x 2	320 x 2	320 x 2
		ft³/min	11,301 x 2	11,301 x 2	11,301 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	41.3 (1-5/8)
Dimensions (W x H x D)	mm		(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2
	inch		(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2
Net Weight	kg		220 x 2	(260 x 1) + (220 x 1)	(274 x 1) + (220 x 1)
	lbs		485 x 2	(573 x 1) + (485 x 1)	(604 x 1) + (485 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	63.5 / 64.5	63.8 / 64.8	64.3 / 66.3
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 88.0	87.1 / 88.5	87.8 / 89.1
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat protection / Fan driver overload protecto	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 13.0	13.0 + 13.0	14.0 + 13.0
		lbs	28.7 + 28.7	28.7 + 28.7	30.9 + 28.7
	t-CO ₂ eq		54.3	52.2	56.4
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	∅, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			52	55	58

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

5. Power factor may vary less than ±1% according to the operating conditions.

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

TROPICAL MODEL

STANDARD

ARUN380LTH5 / ARUN400LTH5 / ARUN420LTH5



HP		38		40		42	
Model Name	Combination Unit	ARUN380LTH5		ARUN400LTH5		ARUN420LTH5	
	Independent Unit	ARUN220LTH5 ARUN160LTH5		ARUN200LTH5 ARUN200LTH5		ARUN220LTH5 ARUN200LTH5	
Capacity (Rated)	*Cooling - T1 35°C	kW	106.4	112.0	117.6		
		Btu/h	363,000	382,100	401,300		
	**Cooling - T3 46°C	kW	89.9	96.0	97.6		
		Btu/h	306,600	327,600	332,900		
Heating	kW	119.3	126.0	132.3			
	Btu/h	407,100	429,900	451,400			
Input (Rated)	*Cooling - T1 35°C	kW	25.64	26.00	27.84		
	**Cooling - T3 46°C	kW	29.87	31.54	32.49		
	Heating	kW	28.90	31.04	33.06		
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.2	14.7	14.4		
	**Cooling - T3 46°C	Btu/Watt-h	10.3	10.4	10.2		
	Heating	Btu/Watt-h	14.1	13.8	13.7		
COP (Rated)	*Cooling - T1 35°C	W/W	4.15	4.31	4.22		
	**Cooling - T3 46°C	W/W	3.01	3.04	3.00		
	Heating	W/W	4.13	4.06	4.00		
Power Factor	Rated	-	0.93	0.93	0.93		
Exterior	Color	Morning Gray / Dawn Gray		Morning Gray / Dawn Gray		Morning Gray / Dawn Gray	
Heat Exchanger		Wide Louver Plus		Wide Louver Plus		Wide Louver Plus	
Compressor	Type	Hermetically Sealed Scroll		Hermetically Sealed Scroll		Hermetically Sealed Scroll	
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 4	5,300 x 4		
	Starting Method		Inverter	Inverter	Inverter		
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)		
Fan	Type	Propeller Fan		Propeller Fan		Propeller Fan	
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4		
	Air Flow Rate (High)	m ³ /min	320 x 2	320 x 2	320 x 2		
		ft ³ /min	11,301 x 2	11,301 x 2	11,301 x 2		
Drive		DC INVERTER	DC INVERTER	DC INVERTER			
Discharge	Side / Top	TOP		TOP		TOP	
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)		
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)		
Dimensions (W x H x D)	mm	(1,240 x 1,690 x 760) x 2		(1,240 x 1,690 x 760) x 2		(1,240 x 1,690 x 760) x 2	
	inch	(48-13/16 x 66-17/32 x 29-29/32) x 2		(48-13/16 x 66-17/32 x 29-29/32) x 2		(48-13/16 x 66-17/32 x 29-29/32) x 2	
Net Weight	kg	(274 x 1) + (220 x 1)		274 x 2		274 x 2	
	lbs	(604 x 1) + (485 x 1)		604 x 2		604 x 2	
Sound Pressure Level	Cooling / Heating	dB(A)	66.0 / 67.0	65.0 / 67.5	66.4 / 68.0		
Sound Power Level	Cooling / Heating	dB(A)	87.8 / 89.8	89.0 / 90.0	89.0 / 90.5		
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch		
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector		
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection		
Communication Cable	No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5		2C x 1.0 - 1.5		2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name	R410A		R410A		R410A	
	Precharged Amount in Factory	kg	14.0 + 13.0	14.0 + 14.0	14.0 + 14.0		
		lbs	30.9 + 28.7	30.9 + 30.9	30.9 + 30.9		
	t-CO ₂ eq		56.4	58.5	58.5		
Control		Electronic Expansion Valve		Electronic Expansion Valve		Electronic Expansion Valve	
Power Supply	Ø, V, Hz	3, 380 - 415, 50		3, 380 - 415, 50		3, 380 - 415, 50	
Number of Maximum Connectable Indoor Units		3, 400, 60		3, 400, 60		3, 400, 60	
		61		64		64	

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN440LTH5 / ARUN460LTH5 / ARUN480LTH5



HP		44	46	48	
Model Name	Combination Unit	ARUN440LTH5	ARUN460LTH5	ARUN480LTH5	
	Independent Unit	ARUN220LTH5 ARUN220LTH5	ARUN160LTH5 ARUN160LTH5 ARUN140LTH5	ARUN160LTH5 ARUN160LTH5 ARUN160LTH5	
Capacity (Rated)	*Cooling - T1 35°C	kW	123.2	128.8	134.4
		Btu/h	420,400	439,500	458,600
	**Cooling - T3 46°C	kW	99.2	117.4	120.9
		Btu/h	338,200	400,600	412,500
Heating	kW	138.6	143.9	150.0	
	Btu/h	472,900	491,000	511,800	
Input (Rated)	*Cooling - T1 35°C	kW	29.68	30.90	32.40
	**Cooling - T3 46°C	kW	33.44	37.50	39.45
	Heating	kW	35.08	32.41	34.08
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.2	14.2	14.2
	**Cooling - T3 46°C	Btu/Watt-h	10.1	10.7	10.5
	Heating	Btu/Watt-h	13.5	15.1	15.0
COP (Rated)	*Cooling - T1 35°C	W/W	4.15	4.17	4.15
	**Cooling - T3 46°C	W/W	2.97	3.13	3.06
	Heating	W/W	3.95	4.44	4.40
Power Factor	Rated	-	0.93	0.93	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Compressor	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Motor Output x Number	W x No.	5,300 x 4	5,300 x 3	5,300 x 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 4	900 x 6	900 x 6
	Air Flow Rate (High)	m ³ /min	320 x 2	320 x 3	320 x 3
		ft ³ /min	1,1301 x 2	11,301 x 3	11,301 x 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections	Discharge	Side / Top	TOP	TOP	
	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Dimensions (W x H x D)	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
		mm	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3
Net Weight		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3
		kg	274 x 2	220 x 3	220 x 3
Sound Pressure Level		lbs	604 x 2	485 x 3	485 x 3
	Cooling / Heating	dB(A)	67.5 / 68.5	65.1 / 66.1	65.3 / 66.3
Sound Power Level	Cooling / Heating	dB(A)	89.0 / 91.0	87.5 / 89.5	87.8 / 89.8
	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
Protection Devices	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0	13.0 + 13.0 + 13.0	13.0 + 13.0 + 13.0
		lbs	30.9 + 30.9	28.7 + 28.7 + 28.7	28.7 + 28.7 + 28.7
	t-CO ₂ eq		58.5	81.4	81.4
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units		64	64	64	

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

TROPICAL MODEL

STANDARD

ARUN500LTH5 / ARUN520LTH5 / ARUN540LTH5



HP			50	52	54
Model Name	Combination Unit		ARUN500LTH5	ARUN520LTH5	ARUN540LTH5
	Independent Unit		ARUN180LTH5 ARUN160LTH5 ARUN160LTH5	ARUN200LTH5 ARUN160LTH5 ARUN160LTH5	ARUN220LTH5 ARUN160LTH5 ARUN160LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	140.0	145.6	151.2
		Btu/h	477,700	496,800	515,900
	**Cooling - T3 46°C	kW	124.2	128.6	130.2
		Btu/h	423,800	438,800	444,200
	Heating	kW	156.7	163.0	169.3
		Btu/h	534,700	556,200	577,700
Input (Rated)	*Cooling - T1 35°C	kW	32.80	34.60	36.44
	**Cooling - T3 46°C	kW	40.69	42.07	43.02
	Heating	kW	34.70	38.24	40.26
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.6	14.4	14.2
	**Cooling - T3 46°C	Btu/Watt-h	10.4	10.4	10.3
	Heating	Btu/Watt-h	15.4	14.5	14.3
COP (Rated)	*Cooling - T1 35°C	W/W	4.27	4.21	4.15
	**Cooling - T3 46°C	W/W	3.05	3.06	3.03
	Heating	W/W	4.52	4.26	4.21
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	(5,300 × 3) + (4,200 × 1)	5,300 × 4	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m ³ /min	320 × 3	320 × 3	320 × 3
		ft ³ /min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)	mm		(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
	inch		(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight	kg		(260 × 1) + (220 × 2)	(274 × 1) + (220 × 2)	(274 × 1) + (220 × 2)
	lbs		(573 × 1) + (485 × 2)	(604 × 1) + (485 × 2)	(604 × 1) + (485 × 2)
Sound Pressure Level	Cooling / Heating	dB(A)	65.4 / 66.4	65.8 / 67.5	67.0 / 68.0
Sound Power Level	Cooling / Heating	dB(A)	88.5 / 90.1	89.0 / 90.5	89.0 / 91.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm ² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.0 + 13.0 + 13.0	14.0 + 13.0 + 13.0	14.0 + 13.0 + 13.0
		lbs	28.7 + 28.7 + 28.7	30.9 + 28.7 + 28.7	30.9 + 28.7 + 28.7
	t-CO ₂ eq		79.3	83.5	83.5
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		∅, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units			3, 400, 60	3, 400, 60	3, 400, 60
			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

TROPICAL MODEL

STANDARD

ARUN560LTH5 / ARUN580LTH5 / ARUN600LTH5



HP		56	58	60	
Model Name	Combination Unit	ARUN560LTH5	ARUN580LTH5	ARUN600LTH5	
	Independent Unit	ARUN200LTH5 ARUN200LTH5 ARUN160LTH5	ARUN220LTH5 ARUN200LTH5 ARUN160LTH5	ARUN220LTH5 ARUN200LTH5 ARUN160LTH5	
Capacity (Rated)	*Cooling - T1 35°C	kW	156.8	162.4	168.0
		Btu/h	535,000	554,100	573,200
	**Cooling - T3 46°C	kW	136.3	137.9	139.5
		Btu/h	465,100	470,500	476,000
Heating	kW	176.0	182.3	188.6	
	Btu/h	600,500	622,000	643,500	
Input (Rated)	*Cooling - T1 35°C	kW	36.80	38.64	40.48
	**Cooling - T3 46°C	kW	44.69	45.64	46.59
	Heating	kW	42.40	44.42	46.44
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.5	14.3	14.2
	**Cooling - T3 46°C	Btu/Watt-h	10.4	10.3	10.2
	Heating	Btu/Watt-h	14.2	14.0	13.9
COP (Rated)	*Cooling - T1 35°C	W/W	4.26	4.20	4.15
	**Cooling - T3 46°C	W/W	3.05	3.02	2.99
	Heating	W/W	4.15	4.10	4.06
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Compressor	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Motor Output x Number	W x No.	5,300 x 5	5,300 x 5	5,300 x 5
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 6	900 x 6	900 x 6
	Air Flow Rate (High)	m³/min	320 x 3	320 x 3	320 x 3
		ft³/min	11,301 x 3	11,301 x 3	11,301 x 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)	mm	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	
	inch	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3	
Net Weight	kg	(274 x 2) + (220 x 1)	(274 x 2) + (220 x 1)	(274 x 2) + (220 x 1)	
	lbs	(604 x 2) + (485 x 1)	(604 x 2) + (485 x 1)	(604 x 2) + (485 x 1)	
Sound Pressure Level	Cooling / Heating	dB(A)	66.3 / 68.5	67.4 / 68.9	68.3 / 69.3
Sound Power Level	Cooling / Heating	dB(A)	90.0 / 91.2	90.0 / 91.6	90.0 / 92.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0 + 13.0	14.0 + 14.0 + 13.0	14.0 + 14.0 + 13.0
		lbs	30.9 + 30.9 + 28.7	30.9 + 30.9 + 28.7	30.9 + 30.9 + 28.7
	t-CO ₂ eq		85.6	85.6	85.6
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	∅, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 400, 60	3, 400, 60	3, 400, 60
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

TROPICAL MODEL

STANDARD

ARUN620LTH5 / ARUN640LTH5 / ARUN660LTH5



HP			62	64	66
Model Name	Combination Unit		ARUN620LTH5	ARUN640LTH5	ARUN660LTH5
	Independent Unit		ARUN220LTH5 ARUN200LTH5 ARUN200LTH5	ARUN220LTH5 ARUN200LTH5 ARUN200LTH5	ARUN220LTH5 ARUN200LTH5 ARUN200LTH5
Capacity (Rated)	*Cooling - T1 35°C	kW	173.6	179.2	184.8
		Btu/h	592,300	611,400	630,500
	**Cooling - T3 46°C	kW	145.6	147.2	148.8
		Btu/h	496,800	502,200	507,700
	Heating	kW	195.3	201.6	207.9
		Btu/h	666,400	687,900	709,400
Input (Rated)	*Cooling - T1 35°C	kW	40.84	42.68	44.52
	**Cooling - T3 46°C	kW	48.26	49.21	50.16
	Heating	kW	48.58	50.60	52.62
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.5	14.3	14.2
	**Cooling - T3 46°C	Btu/Watt-h	10.3	10.2	10.1
	Heating	Btu/Watt-h	13.7	13.6	13.5
COP (Rated)	*Cooling - T1 35°C	W/W	4.25	4.20	4.15
	**Cooling - T3 46°C	W/W	3.02	2.99	2.97
	Heating	W/W	4.02	3.98	3.95
Power Factor	Rated		0.93	0.93	0.93
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 6	5,300 x 6	5,300 x 6
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 6	900 x 6	900 x 6
	Air Flow Rate (High)	m ³ /min	320 x 3	320 x 3	320 x 3
		ft ³ /min	11,301 x 3	11,301 x 3	11,301 x 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge		Side / Top	TOP	TOP	
Pipe Connections	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	53.98 (2-1/8)
Dimensions (W x H x D)	mm		(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3
	inch		(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3
Net Weight	kg		274 x 3	274 x 3	274 x 3
	lbs		604 x 3	604 x 3	604 x 3
Sound Pressure Level	Cooling / Heating	dB(A)	67.8 / 69.6	68.6 / 70.0	69.3 / 70.3
Sound Power Level	Cooling / Heating	dB(A)	90.8 / 92.1	90.8 / 92.5	90.8 / 92.8
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	14.0 + 14.0 + 14.0	14.0 + 14.0 + 14.0	14.0 + 14.0 + 14.0
		lbs	30.9 + 30.9 + 30.9	30.9 + 30.9 + 30.9	30.9 + 30.9 + 30.9
	t-CO ₂ eq		87.7	87.7	87.7
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units			64	64	64

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB / Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB / Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB / Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

- Piping Length : Interconnected Pipe Length = 7.5m

- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM080LTE5/ ARUM100LTE5 / ARUM120LTE5



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

* 8-20HP Outdoor only.



HP			8	10	12	
Model Name	Combination Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5	
	Independent Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5	
Capacity	Cooling (Total)	kW	22.4	28.0	33.6	
		Btu/h	76,400	95,500	114,600	
	Cooling (Net)	kW	21.6	27.3	32.5	
		Btu/h	73,700	93,200	110,900	
	Heating (Total)	kW	25.2	31.5	37.8	
		Btu/h	86,000	107,500	129,000	
Heating (Net)	kW	22.0	27.6	33.3		
	Btu/h	75,100	94,200	113,600		
Power Input	Cooling (Total)		kW	4.28	5.22	6.84
	Heating (Total)		kW	4.78	5.92	8.26
EER	Total		W/W	5.23	5.36	4.91
	Net		W/W	4.19	4.01	3.90
COP	Total		W/W	5.27	5.32	4.58
	Net		W/W	4.49	4.55	4.16
Power Factor	Rated		-	0.93	0.93	
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number		W x No.	4,200 x 1	5,300 x 1	5,300 x 1
	Starting Method			Inverter	Inverter	Inverter
	Oil Type			FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
	Type			Propeller Fan	Propeller Fan	Propeller Fan
Fan	Motor Output x Number		W	1,200 x 1	1,200 x 1	1,200 x 1
	Air Flow Rate (High)		m ³ /min	240 x 1	240 x 1	240 x 1
			ft ³ /min	8,476 x 1	8,476 x 1	8,476 x 1
	Drive			DC INVERTER	DC INVERTER	DC INVERTER
	Discharge		Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe		mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Low Pressure Gas Pipe		mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
	High Pressure Gas Pipe		mm (inch)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)
Pipe Connections (Heat Pump System)	Liquid Pipe		mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Gas Pipe		mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)
Dimensions (W x H x D)			mm	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1
			inch	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight			kg	198 x 1	215 x 1	215 x 1
			lbs	437 x 1	474 x 1	474 x 1
Sound Pressure Level	Cooling / Heating		dB(A)	58.0 / 59.0	58.0 / 59.0	59.0 / 60.0
Sound Power Level	Cooling / Heating		dB(A)	77.0 / 78.0	78.0 / 79.0	79.0 / 80.0
Protection Devices	High Pressure Protection		-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan		-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter		-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable			No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name			R410A	R410A	R410A
	Precharged Amount in Factory		kg	7.5	9.5	9.5
			lbs	16.5	20.9	20.9
	t-CO ₂ eq			15.7	19.8	19.8
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	Ø, V, Hz			3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
				3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units ²⁾				13 (20)	16 (25)	20 (30)

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

1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL
HIGH EFFICIENCY

ARUM140LTE5 / ARUM160LTE5 / ARUM180LTE5


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

* 8~20HP Outdoor only.



HP			14	16	18
Model Name	Combination Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
	Independent Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Total)	kW	39.2	44.8	50.4
		Btu/h	133,800	152,900	172,000
	Cooling (Net)	kW	38.3	44.3	49.0
		Btu/h	130,700	151,200	167,200
	Heating (Total)	kW	44.1	50.4	56.7
		Btu/h	150,500	172,000	193,500
Heating (Net)	kW	38.0	43.3	49.5	
	Btu/h	129,700	147,700	168,900	
Power Input	Cooling (Total)	kW	8.39	10.41	9.83
	Heating (Total)	kW	9.72	12.39	11.94
EER	Total	W/W	4.67	4.30	5.13
	Net	W/W	3.80	3.33	3.80
COP	Total	W/W	4.54	4.07	4.75
	Net	W/W	4.00	3.44	4.27
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
Compressor	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1 + 4,200 x 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m ³ /min	320 x 1	320 x 1	320 x 1
		ft ³ /min	1,1301 x 1	1,1301 x 1	1,1301 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections (Heat Recovery System)	Discharge	Side / Top	TOP	TOP	TOP
	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)
	Low Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Pipe Connections (Heat Pump System)	High Pressure Gas Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Liquid Pipe	mm (inch)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)
Dimensions (W x H x D)	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
		mm	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1
Net Weight		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1
		kg	237 x 1	237 x 1	300 x 1
Sound Pressure Level		lbs	522 x 1	522 x 1	661 x 1
	Cooling / Heating	dB(A)	60.0 / 61.0	60.5 / 61.5	61.0 / 62.0
Sound Power Level	Cooling / Heating	dB(A)	82.0 / 84.0	83.0 / 85.0	85.0 / 86.0
	Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
Compressor / Fan		-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
Inverter		-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	13.5	13.5	16.0
		lbs	29.8	29.8	35.3
	t-CO ₂ eq		28.2	28.2	33.4
Power Supply	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
	Ø, V, Hz		3, 380 ~ 415, 50	3, 380 ~ 415, 50	3, 380 ~ 415, 50
Number of Maximum Connectable Indoor Units ⁷⁾			3, 380, 60	3, 380, 60	3, 380, 60
			23 (35)	26 (40)	29 (45)

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

1. Capacities are based on the following conditions (ISO 15042)

• Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB

** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

• Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM200LTE5 / ARUM220LTE5 / ARUM221LTE5



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

* 8-20HP Outdoor only.



HP			20	22	22'
Model Name	Combination Unit		ARUM200LTE5	ARUM220LTE5	ARUM221LTE5
	Independent Unit		ARUM200LTE5	ARUM220LTE5	ARUM120LTE5 ARUM100LTE5
Capacity	Cooling (Total)	kW	56.0	61.6	61.6
		Btu/h	191,100	210,200	210,200
	Cooling (Net)	kW	54.8	60.0	59.8
		Btu/h	187,000	204,700	204,100
	Heating (Total)	kW	63.0	69.3	69.3
		Btu/h	215,000	236,500	236,500
Heating (Net)	kW	55.5	59.5	60.9	
	Btu/h	189,400	203,000	207,800	
Power Input	Cooling (Total)	kW	11.51	14.15	12.10
	Heating (Total)	kW	14.69	16.76	14.18
EER	Total	W/W	4.87	4.35	5.11
	Net	W/W	3.66	3.34	3.95
COP	Total	W/W	4.29	4.13	4.89
	Net	W/W	3.97	3.84	4.33
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
Compressor	Motor Output x Number	W x No.	5,300 x 1 + 4,200 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
	Type		Propeller Fan	Propeller Fan	Propeller Fan
Fan	Motor Output x Number	W	900 x 2	900 x 2	(1200 x 1) + (1,200 x 1)
	Air Flow Rate (High)	m ³ /min	320 x 1	320 x 1	(240 x 1) + (240 x 1)
		ft ³ /min	1,1301 x 1	1,1301 x 1	(8,476 x 1) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Low Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
	High Pressure Gas Pipe	mm (inch)	22.2 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W x H x D)	mm		(1,240 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
	inch		(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight	kg		300 x 1	300 x 1	(215 x 1) + (215 x 1)
	lbs		661 x 1	661 x 1	(474 x 1) + (474 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.0 / 64.5	64.5 / 65.5	61.5 / 62.5
Sound Power Level	Cooling / Heating	dB(A)	86.0 / 87.0	86.0 / 88.0	81.5 / 82.5
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	16.0	16.0	19.0
		lbs	35.3	35.3	41.9
	t-CO ₂ eq		33.4	33.4	39.7
Power Supply	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
		∅, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units ⁷⁾			3, 380, 60	3, 380, 60	3, 380, 60
			32 (50)	35 (56)	35 (44)

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

- Capacities are based on the following conditions (ISO 15042)
 - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 - ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM240LTE5 / ARUM241LTE5 / ARUM260LTE5



HP		24	24'	26	
Model Name	Combination Unit	ARUM240LTE5	ARUM241LTE5	ARUM260LTE5	
	Independent Unit	ARUM240LTE5	ARUM120LTE5 ARUM120LTE5	ARUM260LTE5	
Capacity	Cooling (Total)	kW	67.2	67.2	72.8
		Btu/h	229,300	229,300	248,400
	Cooling (Net)	kW	66.0	65.0	70.5
		Btu/h	225,200	221,800	240,600
	Heating (Total)	kW	74.3	75.6	74.3
		Btu/h	253,400	257,900	253,400
	Heating (Net)	kW	65.3	66.6	65.8
		Btu/h	222,800	227,300	224,500
Power Input	Cooling (Total)	kW	15.91	13.70	18.03
	Heating (Total)	kW	18.80	16.52	19.15
EER	Total	W/W	4.22	4.91	4.04
	Net	W/W	3.34	3.90	3.11
COP	Total	W/W	3.95	4.58	3.88
	Net	W/W	4.32	4.16	4.45
Power Factor	Rated	-	0.93	0.93	
Heat Exchanger		Wide Louver Plus			
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	
	Starting Method		Inverter	Inverter	
	Oil Type		FW68D (PVE)	FW68D (PVE)	
	Type		Propeller Fan	Propeller Fan	
Fan	Motor Output x Number	W	900 x 2	(1,200 x 1) + (1,200 x 1)	900 x 2
	Air Flow Rate (High)	m ³ /min	320 x 1	(240 x 1) + (240 x 1)	320 x 1
		ft ³ /min	1,1301 x 1	(8,476 x 1) + (8,476 x 1)	1,1301 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
	High Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)	mm	(1,240 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1	
	inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	
Net Weight	kg	310 x 1	(215 x 1) + (215 x 1)	310 x 1	
	lbs	683 x 1	(474 x 1) + (474 x 1)	683 x 1	
Sound Pressure Level	Cooling / Heating	dB(A)	65.0 / 67.0	62.0 / 63.0	65.0 / 67.0
Sound Power Level	Cooling / Heating	dB(A)	88.0 / 90.0	82.0 / 83.0	88.0 / 90.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	17.0	19.0	17.0
	t-CO ₂ eq	lbs	37.5	41.9	37.5
	Control		35.5	39.7	35.5
Power Supply	Ø, V, Hz		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
			3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units ⁷⁾			3, 380, 60	3, 380, 60	3, 380, 60
			39 (61)	39 (48)	42 (64)

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

1. Capacities are based on the following conditions (ISO 15042)

• Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB

** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

• Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM261LTE5 / ARUM280LTE5 / ARUM300LTE5



HP			26'	28	30
Model Name	Combination Unit		ARUM261LTE5	ARUM280LTE5	ARUM300LTE5
	Independent Unit		ARUM140LTE5 ARUM120LTE5	ARUM160LTE5 ARUM120LTE5	ARUM180LTE5 ARUM120LTE5
Capacity	Cooling (Total)	kW	72.8	78.4	84.0
		Btu/h	248,400	267,500	286,600
	Cooling (Net)	kW	70.8	76.8	81.5
		Btu/h	241,600	262,100	278,100
Heating (Total)	kW	81.9	88.2	94.5	
	Btu/h	279,400	300,900	322,400	
Heating (Net)	kW	71.3	76.6	82.8	
	Btu/h	243,300	261,400	282,600	
Power Input	Cooling (Total)	kW	15.20	17.26	16.68
	Heating (Total)	kW	17.98	20.65	20.20
EER	Total	W/W	4.78	4.56	5.04
	Net	W/W	3.85	3.55	3.84
COP	Total	W/W	4.56	4.27	4.68
	Net	W/W	4.07	3.72	4.22
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
Compressor	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate (High)	m ³ /min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft ³ /min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
Drive		DC INVERTER	DC INVERTER	DC INVERTER	
Pipe Connections (Heat Recovery System)	Discharge	Side / Top	TOP	TOP	TOP
	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Pipe Connections (Heat Pump System)	Low Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
	High Pressure Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(237 x 1) + (215 x 1)	(237 x 1) + (215 x 1)	(300 x 1) + (215 x 1)
		lbs	(522 x 1) + (474 x 1)	(522 x 1) + (474 x 1)	(661 x 1) + (474 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	62.5 / 63.5	62.8 / 63.8	63.1 / 64.1
Sound Power Level	Cooling / Heating	dB(A)	83.8 / 85.5	84.5 / 86.2	86.0 / 87.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	23.0	23.0	25.5
		lbs	50.7	50.7	56.2
	t-CO ₂ eq		48.0	48.0	53.2
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		∅, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units ⁷⁾			3, 380, 60	3, 380, 60	3, 380, 60
			42 (52)	45 (56)	49 (60)

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

1. Capacities are based on the following conditions (ISO 15042)

• Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB

** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

• Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL
HIGH EFFICIENCY

ARUM320LTE5 / ARUM340LTE5 / ARUM360LTE5



HP			32	34	36	
Model Name	Combination Unit		ARUM320LTE5	ARUM340LTE5	ARUM360LTE5	
	Independent Unit		ARUM200LTE5 ARUM120LTE5	ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM120LTE5	
Capacity	Cooling (Total)	kW	89.6	95.2	100.8	
		Btu/h	305,700	324,800	343,900	
	Cooling (Net)	kW	87.3	92.5	98.5	
		Btu/h	297,900	315,700	336,100	
	Heating (Total)	kW	100.8	107.1	112.1	
		Btu/h	343,900	365,400	382,300	
Heating (Net)	kW	88.8	92.8	98.6		
	Btu/h	303,000	316,700	336,500		
Power Input	Cooling (Total)	kW	18.35	21.00	22.76	
	Heating (Total)	kW	22.95	25.02	27.06	
EER	Total	W/W	4.89	4.55	4.45	
	Net	W/W	3.75	3.52	3.51	
COP	Total	W/W	4.39	4.28	4.14	
	Net	W/W	4.04	3.95	4.26	
Power Factor	Rated	-	0.93	0.93	0.93	
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number		W x No.	(5,300 x 2) + (4,200 x 1)	(5,300 x 2) + (4,200 x 1)	5,300 x 3
	Starting Method			Inverter	Inverter	Inverter
	Oil Type			FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
	Type			Propeller Fan	Propeller Fan	Propeller Fan
Fan	Motor Output x Number		W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate (High)		m ³ /min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
			ft ³ /min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	Drive			DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections (Heat Recovery System)	Discharge		Side / Top	TOP	TOP	
	Liquid Pipe		mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe		mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	High Pressure Gas Pipe		mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
	Liquid Pipe		mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	41.3 (1-5/8)
Dimensions (W x H x D)			mm	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
			inch	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight			kg	(300 x 1) + (215 x 1)	(300 x 1) + (215 x 1)	(310 x 1) + (215 x 1)
			lbs	(661 x 1) + (474 x 1)	(661 x 1) + (474 x 1)	(683 x 1) + (474 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	63.8 / 65.8	65.6 / 66.6	66.0 / 67.8	
Sound Power Level	Cooling / Heating	dB(A)	86.8 / 87.8	86.8 / 88.6	88.5 / 90.4	
Protection Devices	High Pressure Protection		-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan		-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter		-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable			No. x mm ² (VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Refrigerant Name			R410A	R410A	R410A
	Precharged Amount in Factory		kg	25.5	25.5	26.5
			lbs	56.2	56.2	58.4
	t-CO ₂ eq			53.2	53.2	55.3
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply			∅, V, Hz	3, 380 ~ 415, 50	3, 380 ~ 415, 50	3, 380 ~ 415, 50
Number of Maximum Connectable Indoor Units ⁷⁾				3, 380, 60	3, 380, 60	3, 380, 60
				52 (64)	55 (64)	58 (64)

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

1. Capacities are based on the following conditions (ISO 15042)

• Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB

** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

• Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non **TROPICAL MODEL**

HIGH EFFICIENCY

ARUM380LTE5 / ARUM400LTE5 / ARUM420LTE5



HP			38	40	42
Model Name	Combination Unit		ARUM380LTE5	ARUM400LTE5	ARUM420LTE5
	Independent Unit		ARUM240LTE5 ARUM140LTE5	ARUM240LTE5 ARUM160LTE5	ARUM240LTE5 ARUM180LTE5
Capacity	Cooling (Total)	kW	106.4	112.0	117.6
		Btu/h	363,000	382,100	401,300
	Cooling (Net)	kW	104.3	110.3	115.0
		Btu/h	355,900	376,400	392,400
	Heating (Total)	kW	118.4	124.7	131.0
		Btu/h	403,800	425,300	446,800
Heating (Net)	kW	103.3	108.6	114.8	
	Btu/h	352,500	370,600	391,700	
Power Input	Cooling (Total)	kW	24.30	26.32	25.74
	Heating (Total)	kW	28.52	31.19	30.74
EER	Total	W/W	4.39	4.25	4.61
	Net	W/W	3.50	3.33	3.52
COP	Total	W/W	4.15	4.00	4.26
	Net	W/W	4.20	3.92	4.30
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior			Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	(5,300 x 3) + (4,200 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4
	Air Flow Rate (High)	m ³ /min ft ³ /min	320 x 2 11,301 x 2	320 x 2 11,301 x 2	320 x 2 11,301 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections (Heat Recovery System)	Discharge		Side / Top	TOP	TOP
	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)			mm	(1,240 x 1,690 x 760) x 2	(1,240 x 1,690 x 760) x 2
			inch	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2
Net Weight			kg	(310 x 1) + (237 x 1)	(310 x 1) + (300 x 1)
			lbs	(683 x 1) + (522 x 1)	(683 x 1) + (661 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	66.2 / 68.0	66.3 / 68.1	66.5 / 68.2
Sound Power Level	Cooling / Heating	dB(A)	89.0 / 91.0	89.2 / 91.2	89.8 / 91.5
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	30.5	30.5	33.0
		lbs	67.2	67.2	72.8
	t-CO ₂ eq		63.7	63.7	68.9
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	∅, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units ²⁾			61 (64)	64	64

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

- Capacities are based on the following conditions (ISO 15042)
 - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 - ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM440LTE5 / ARUM460LTE5 / ARUM480LTE5



HP			44	46	48
Model Name	Combination Unit		ARUM440LTE5	ARUM460LTE5	ARUM480LTE5
	Independent Unit		ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM220LTE5	ARUM240LTE5 ARUM240LTE5
Capacity	Cooling (Total)	kW	123.2	128.8	134.4
		Btu/h	420,400	439,500	458,600
	Cooling (Net)	kW	120.8	126.0	132.0
		Btu/h	412,200	430,000	450,400
Heating (Total)	kW	137.3	143.6	148.5	
	Btu/h	468,300	489,800	506,700	
Heating (Net)	kW	120.8	124.8	130.6	
	Btu/h	412,200	425,900	445,700	
Power Input	Cooling (Total)	kW	27.41	30.06	31.82
	Heating (Total)	kW	33.49	35.56	37.60
EER	Total	W/W	4.52	4.28	4.22
	Net	W/W	3.48	3.34	3.34
COP	Total	W/W	4.10	4.04	3.95
	Net	W/W	4.15	4.07	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
Compressor	Motor Output x Number	W x No.	(5,300 × 3) + (4,200 × 1)	(5,300 × 3) + (4,200 × 1)	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
	Type		Propeller Fan	Propeller Fan	Propeller Fan
Fan	Motor Output x Number	W	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m ³ /min	320 × 2	320 × 2	320 × 2
		ft ³ /min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(310 × 1) + (300 × 1)	(310 × 1) + (300 × 1)	310 × 2
		lbs	(683 × 1) + (661 × 1)	(683 × 1) + (661 × 1)	683 × 2
Sound Pressure Level	Cooling / Heating	dB(A)	66.8 / 68.9	67.8 / 69.3	68.0 / 70.0
Sound Power Level	Cooling / Heating	dB(A)	90.1 / 91.8	90.1 / 92.1	91.0 / 93.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.0	33.0	34.0
		lbs	72.8	72.8	75.0
	t-CO ₂ eq		68.9	68.9	71.0
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units			64	64	64

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

1. Capacities are based on the following conditions (ISO 15042)

• Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB

** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

• Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM500LTE5 / ARUM520LTE5 / ARUM540LTE5



HP		50	52	54	
Model Name	Combination Unit	ARUM500LTE5	ARUM520LTE5	ARUM540LTE5	
	Independent Unit	ARUM240LTE5 ARUM140LTE5 ARUM120LTE5	ARUM240LTE5 ARUM160LTE5 ARUM120LTE5	ARUM240LTE5 ARUM180LTE5 ARUM120LTE5	
Capacity	Cooling (Total)	kW	140.0	145.6	151.2
		Btu/h	477,700	496,800	515,900
	Cooling (Net)	kW	136.8	142.8	147.5
		Btu/h	466,800	487,300	503,300
	Heating (Total)	kW	156.2	162.5	168.8
		Btu/h	532,800	554,300	575,800
Heating (Net)	kW	136.6	141.9	148.1	
	Btu/h	466,100	484,200	505,400	
Power Input	Cooling (Total)	kW	31.15	33.17	32.59
	Heating (Total)	kW	36.78	39.45	39.00
EER	Total	W/W	4.51	4.40	4.68
	Net	W/W	3.58	3.45	3.60
COP	Total	W/W	4.25	4.12	4.33
	Net	W/W	4.19	3.97	4.27
Power Factor	Rated	-	0.93	0.93	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	(5,300 x 4) + (4,200 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)
	Air Flow Rate (High)	m³/min ft³/min	(320 x 2) + (240 x 1) (11,301 x 2) + (8,476 x 1)	(320 x 2) + (240 x 1) (11,301 x 2) + (8,476 x 1)	(320 x 2) + (240 x 1) (11,301 x 2) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(310 x 1) + (237 x 1) + (215 x 1)	(310 x 1) + (237 x 1) + (215 x 1)	(310 x 1) + (300 x 1) + (215 x 1)
		lbs	(683 x 1) + (522 x 1) + (474 x 1)	(683 x 1) + (522 x 1) + (474 x 1)	(683 x 1) + (661 x 1) + (474 x 1)
Sound Pressure Level	Cooling / Heating	dB(A)	67.0 / 68.6	67.1 / 68.7	67.2 / 68.8
Sound Power Level	Cooling / Heating	dB(A)	89.4 / 91.3	89.6 / 91.5	90.1 / 91.8
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	40.0	40.0	42.5
		lbs	88.2	88.2	93.7
	t-CO ₂ eq		83.5	83.5	88.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		∅, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units			64	64	64

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

- Capacities are based on the following conditions (ISO 15042)
 - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 - ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM560LTE5 / ARUM580LTE5 / ARUM600LTE5



OUTDOOR UNITS

HP			56	58	60
Model Name	Combination Unit		ARUM560LTE5	ARUM580LTE5	ARUM600LTE5
	Independent Unit		ARUM240LTE5 ARUM200LTE5 ARUM120LTE5	ARUM240LTE5 ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM120LTE5
Capacity	Cooling (Total)	kW	156.8	162.4	168.0
		Btu/h	535,000	554,100	573,200
	Cooling (Net)	kW	153.3	158.5	164.5
		Btu/h	523,100	540,900	561,300
	Heating (Total)	kW	175.1	181.4	186.3
		Btu/h	597,300	618,800	635,700
Heating (Net)	kW	154.1	158.1	163.9	
	Btu/h	525,800	539,500	559,300	
Power Input	Cooling (Total)	kW	34.26	36.91	38.67
	Heating (Total)	kW	41.75	43.82	45.86
EER	Total	W/W	4.60	4.41	4.36
	Net	W/W	3.56	3.44	3.44
COP	Total	W/W	4.19	4.14	4.06
	Net	W/W	4.15	4.09	4.29
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Exterior	Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
Compressor	Motor Output x Number	W x No.	(5,300 × 4) + (4,200 × 1)	(5,300 × 4) + (4,200 × 1)	5,300 × 5
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate (High)	m ³ /min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft ³ /min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Dimensions (W x H x D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(310 × 1) + (300 × 1) + (215 × 1)	(310 × 1) + (300 × 1) + (215 × 1)	(310 × 2) + (215 × 1)
		lbs	(683 × 1) + (661 × 1) + (474 × 1)	(683 × 1) + (661 × 1) + (474 × 1)	(683 × 2) + (474 × 1)
Sound Pressure Level	Cooling / Heating	dB(A)	67.4 / 69.5	68.3 / 69.8	68.5 / 70.4
Sound Power Level	Cooling / Heating	dB(A)	90.4 / 92.0	90.4 / 92.4	91.3 / 93.2
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm ² (VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	42.5	42.5	43.5
		lbs	93.7	93.7	95.9
	t-CO ₂ eq		88.7	88.7	90.8
Power Supply			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
		∅, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units			64	64	64

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

- Capacities are based on the following conditions (ISO 15042)
 - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 - ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM620LTE5 / ARUM640LTE5 / ARUM660LTE5



HP		62	64	66	
Model Name	Combination Unit	ARUM620LTE5	ARUM640LTE5	ARUM660LTE5	
	Independent Unit	ARUM240LTE5 ARUM240LTE5 ARUM140LTE5	ARUM240LTE5 ARUM240LTE5 ARUM160LTE5	ARUM240LTE5 ARUM240LTE5 ARUM180LTE5	
Capacity	Cooling (Total)	kW	173.6	179.2	184.8
		Btu/h	592,300	611,400	630,500
	Cooling (Net)	kW	170.3	176.3	181.0
		Btu/h	581,100	601,600	617,600
	Heating (Total)	kW	192.6	198.9	205.2
Btu/h		657,200	678,700	700,200	
Heating (Net)	kW	168.6	173.9	180.1	
	Btu/h	575,300	593,400	614,600	
Power Input	Cooling (Total)	kW	40.21	42.23	41.65
	Heating (Total)	kW	47.32	49.99	49.54
EER	Total	W/W	4.32	4.24	4.47
	Net	W/W	3.43	3.34	3.45
COP	Total	W/W	4.07	3.98	4.14
	Net	W/W	4.24	4.06	4.30
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number	W x No.	5,300 x 5	5,300 x 5	(5,300 x 5) + (4,200 x 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 x 6	900 x 6	900 x 6
	Air Flow Rate (High)	m ³ /min	320 x 3	320 x 3	320 x 3
		ft ³ /min	11,301 x 3	11,301 x 3	11,301 x 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	53.98 (2-1/8)
Dimensions (W x H x D)	mm	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	(1,240 x 1,690 x 760) x 3	
	inch	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3	
Net Weight	kg	(310 x 2) + (237 x 1)	(310 x 2) + (237 x 1)	(310 x 2) + (300 x 1)	
	lbs	(683 x 2) + (522 x 1)	(683 x 2) + (522 x 1)	(683 x 2) + (661 x 1)	
Sound Pressure Level	Cooling / Heating	dB(A)	68.6 / 70.5	68.7 / 70.6	68.8 / 70.6
Sound Power Level	Cooling / Heating	dB(A)	91.5 / 93.5	91.6 / 93.6	92.0 / 93.8
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	47.5	47.5	50.0
		lbs	104.7	104.7	110.2
	t-CO ₂ eq		99.2	99.2	104.4
Power Supply	∅, V, Hz		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
			3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
Number of Maximum Connectable Indoor Units		3, 380, 60	3, 380, 60	3, 380, 60	
		64	64	64	

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

1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

- Piping Length : Interconnected Pipe Length = 7.5m
- Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM680LTE5 / ARUM700LTE5 / ARUM720LTE5



HP		68	70	72	
Model Name	Combination Unit	ARUM680LTE5	ARUM700LTE5	ARUM720LTE5	
	Independent Unit	ARUM240LTE5 ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM240LTE5 ARUM220LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5	
Capacity	Cooling (Total)	kW	190.4	196.0	201.6
		Btu/h	649,600	668,800	687,900
	Cooling (Net)	kW	186.8	192.0	198.0
		Btu/h	637,400	655,200	675,600
	Heating (Total)	kW	211.5	217.8	222.8
		Btu/h	721,700	743,200	760,100
Heating (Net)	kW	186.1	190.1	195.9	
	Btu/h	635,000	648,700	668,500	
Power Input	Cooling (Total)	kW	43.32	45.97	47.73
	Heating (Total)	kW	52.29	54.36	56.40
EER	Total	W/W	4.41	4.26	4.22
	Net	W/W	3.43	3.34	3.34
COP	Total	W/W	4.05	4.01	3.95
	Net	W/W	4.21	4.16	4.32
Power Factor	Rated	-	0.93	0.93	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number	W x No.	(5,300 × 5) + (4,200 × 1)	(5,300 × 5) + (4,200 × 1)	5,300 × 6
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output x Number	W	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m ³ /min	320 × 3	320 × 3	320 × 3
		ft ³ /min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)	mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	
	inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	
Net Weight	kg	(310 × 2) + (300 × 1)	(310 × 2) + (300 × 1)	310 × 3	
	lbs	(683 × 2) + (661 × 1)	(683 × 2) + (661 × 1)	683 × 3	
Sound Pressure Level	Cooling / Heating	dB(A)	69.0 / 71.1	69.6 / 71.3	69.8 / 71.8
Sound Power Level	Cooling / Heating	dB(A)	92.2 / 94.0	92.2 / 94.2	92.8 / 94.8
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	50.0	50.0	51.0
		lbs	110.2	110.2	112.4
	t-CO ₂ eq		104.4	104.4	106.5
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	∅, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units		64	64	64	

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

1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
- ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
- Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM740LTE5 / ARUM760LTE5 / ARUM780LTE5



HP		74	76	78	
Model Name	Combination Unit	ARUM740LTE5	ARUM760LTE5	ARUM780LTE5	
	Independent Unit	ARUM240LTE5 ARUM240LTE5 ARUM140LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM160LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM180LTE5 ARUM120LTE5	
Capacity	Cooling (Total)	kW	207.2	212.8	218.4
		Btu/h	707,000	726,100	745,200
	Cooling (Net)	kW	202.8	208.8	213.5
		Btu/h	692,000	712,500	728,500
	Heating (Total)	kW	230.4	236.7	243.0
		Btu/h	786,200	807,700	829,200
Heating (Net)	kW	201.9	207.2	213.4	
	Btu/h	688,900	707,000	728,200	
Power Input	Cooling (Total)	kW	47.06	49.08	48.50
	Heating (Total)	kW	55.58	58.25	57.80
EER	Total	W/W	4.42	4.35	4.54
	Net	W/W	3.50	3.41	3.52
COP	Total	W/W	4.15	4.06	4.20
	Net	W/W	4.23	4.08	4.28
Power Factor	Rated	-	0.93	0.93	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number	W x No.	5,300 x 6	(5,300 x 6) + (4,200 x 1)	
	Starting Method		Inverter	Inverter	
	Oil Type		FW68D (PVE)	FW68D (PVE)	
	Type		Propeller Fan	Propeller Fan	
Fan	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	
	Air Flow Rate (High)	m ³ /min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	
		ft ³ /min	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)	
	Drive		DC INVERTER	DC INVERTER	
	Discharge	Side / Top	TOP	TOP	
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	
Dimensions (W x H x D)	mm	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	
	inch	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1	
Net Weight	kg	(310 x 2) + (237 x 1) + (215 x 1)	(310 x 2) + (237 x 1) + (215 x 1)	(310 x 2) + (300 x 1) + (215 x 1)	
	lbs	(683 x 2) + (522 x 1) + (474 x 1)	(683 x 2) + (522 x 1) + (474 x 1)	(683 x 2) + (661 x 1) + (474 x 1)	
Sound Pressure Level	Cooling / Heating	dB(A)	69.1 / 70.9	69.2 / 71.0	
Sound Power Level	Cooling / Heating	dB(A)	91.8 / 93.7	91.9 / 93.8	
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	
	Precharged Amount in Factory	kg	57.0	59.5	
		lbs	125.7	131.2	
	t-CO ₂ eq		119.0	124.2	
Control			Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply		∅, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50	
Number of Maximum Connectable Indoor Units			64	64	

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

- Capacities are based on the following conditions (ISO 15042)
 - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 - ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM800LTE5 / ARUM820LTE5 / ARUM840LTE5



OUTDOOR UNITS

HP		80	82	84	
Model Name	Combination Unit	ARUM800LTE5	ARUM820LTE5	ARUM840LTE5	
	Independent Unit	ARUM240LTE5 ARUM240LTE5 ARUM200LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM220LTE5 ARUM120LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM120LTE5	
Capacity	Cooling (Total)	kW	224.0	229.6	235.2
		Btu/h	764,300	783,400	802,500
	Cooling (Net)	kW	219.3	224.5	230.5
		Btu/h	748,300	766,000	786,500
	Heating (Total)	kW	249.3	255.6	260.6
		Btu/h	850,700	872,100	889,100
Heating (Net)	kW	219.4	223.4	229.2	
	Btu/h	748,600	762,300	782,100	
Power Input	Cooling (Total)	kW	50.17	52.82	54.58
	Heating (Total)	kW	60.55	62.62	64.66
EER	Total	W/W	4.49	4.36	4.32
	Net	W/W	3.49	3.41	3.41
COP	Total	W/W	4.12	4.08	4.03
	Net	W/W	4.20	4.16	4.30
Power Factor	Rated	-	0.93	0.93	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number	W x No.	(5,300 × 6) + (4,200 × 1)	(5,300 × 6) + (4,200 × 1)	5,300 × 7
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
	Fan Type		Propeller Fan	Propeller Fan	Propeller Fan
Fan	Motor Output x Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m ³ /min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft ³ /min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)	mm	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	
	inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	
Net Weight	kg	(310 × 2) + (300 × 1) + (215 × 1)	(310 × 2) + (300 × 1) + (215 × 1)	(310 × 3) + (215 × 1)	
	lbs	(683 × 2) + (661 × 1) + (474 × 1)	(683 × 2) + (661 × 1) + (474 × 1)	(683 × 3) + (474 × 1)	
Sound Pressure Level	Cooling / Heating	dB(A)	69.4 / 71.4	70.0 / 71.6	70.1 / 72.1
Sound Power Level	Cooling / Heating	dB(A)	92.4 / 94.2	92.4 / 94.4	92.9 / 94.9
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)		2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	59.5	59.5	60.5
	t-CO ₂ eq	lbs	131.2	131.2	133.4
	Control		124.2	124.2	126.3
Power Supply	∅, V, Hz		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Number of Maximum Connectable Indoor Units			3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
			64	64	64

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

- Capacities are based on the following conditions (ISO 15042)
 - Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 - ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

MULTI V 5

Non **TROPICAL MODEL**

HIGH EFFICIENCY

ARUM860LTE5 / ARUM880LTE5 / ARUM900LTE5



HP		86	88	90	
Model Name	Combination Unit	ARUM860LTE5	ARUM880LTE5	ARUM900LTE5	
	Independent Unit	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM140LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM160LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM180LTE5	
Capacity	Cooling (Total)	kW	240.8	246.4	252.0
		Btu/h	821,600	840,700	859,800
	Cooling (Net)	kW	236.3	242.3	247.0
		Btu/h	806,300	826,800	842,800
	Heating (Total)	kW	266.9	273.2	279.5
		Btu/h	910,600	932,000	953,500
Heating (Net)	kW	233.9	239.2	245.4	
	Btu/h	798,100	816,200	837,400	
Power Input	Cooling (Total)	kW	56.12	58.14	57.56
	Heating (Total)	kW	66.12	68.79	68.34
EER	Total	W/W	4.29	4.23	4.40
	Net	W/W	3.41	3.34	3.42
COP	Total	W/W	4.04	3.97	4.09
	Net	W/W	4.26	4.13	4.31
Power Factor	Rated	-	0.93	0.93	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
Compressor	Motor Output x Number	W x No.	5,300 x 7	(5,300 x 7) + (4,200 x 1)	
	Starting Method		Inverter	Inverter	
	Oil Type		FW68D (PVE)	FW68D (PVE)	
	Type		Propeller Fan	Propeller Fan	
Fan	Motor Output x Number	W	900 x 8	900 x 8	
	Air Flow Rate (High)	m ³ /min	320 x 4	320 x 4	320 x 4
		ft ³ /min	11,301 x 4	11,301 x 4	11,301 x 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)	mm	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	
	inch	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4	
Net Weight	kg	(310 x 3) + (237 x 1)	(310 x 3) + (237 x 1)	(310 x 3) + (300 x 1)	
	lbs	(683 x 3) + (522 x 1)	(683 x 3) + (522 x 1)	(683 x 3) + (661 x 1)	
Sound Pressure Level	Cooling / Heating	dB(A)	70.2 / 72.1	70.3 / 72.2	70.3 / 72.2
Sound Power Level	Cooling / Heating	dB(A)	93.1 / 95.1	93.2 / 95.2	93.4 / 95.3
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	64.5	64.5	67.0
		lbs	142.2	142.2	147.7
	t-CO ₂ eq		134.6	134.6	139.9
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Number of Maximum Connectable Indoor Units		64	64	64	

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

1. Capacities are based on the following conditions (ISO 15042)

• Cooling Temperature : * Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB/19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB/24°C (75.2°F) WB
 ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB

• Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

• Piping Length : Interconnected Pipe Length = 7.5m

• Height difference between outdoor unit and indoor unit : 0m

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

7. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.

Non TROPICAL MODEL

HIGH EFFICIENCY

ARUM920LTE5 / ARUM940LTE5 / ARUM960LTE5



HP		92	94	96	
Model Name	Combination Unit	ARUM920LTE5	ARUM940LTE5	ARUM960LTE5	
	Independent Unit	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM200LTE5	ARUM240LTE5 ARUM240LTE5 ARUM240LTE5 ARUM200LTE5	
Capacity	Cooling (Total)	kW	257.6	263.2	268.8
		Btu/h	878,900	898,000	917,100
	Cooling (Net)	kW	252.8	258.0	264.0
		Btu/h	862,600	880,300	900,800
Heating (Total)	kW	285.8	292.1	297.0	
	Btu/h	975,000	996,500	1,013,400	
Heating (Net)	kW	251.4	255.4	261.2	
	Btu/h	857,800	871,500	891,300	
Power Input	Cooling (Total)	kW	59.23	61.88	63.64
	Heating (Total)	kW	71.09	73.16	75.20
EER	Total	W/W	4.36	4.25	4.22
	Net	W/W	3.40	3.34	3.34
COP	Total	W/W	4.02	3.99	3.95
	Net	W/W	4.24	4.20	4.32
Power Factor	Rated	-	0.93	0.93	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Exterior	Color	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	
Compressor	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Motor Output x Number	W x No.	(5,300 x 7) + (4,200 x 1)	(5,300 x 7) + (4,200 x 1)	5,300 x 8
	Starting Method		Inverter	Inverter	
	Oil Type	FW68D (PVE)	FW68D (PVE)	FW68D (PVE)	
Fan	Type	Propeller Fan	Propeller Fan	Propeller Fan	
	Motor Output x Number	W	900 x 8	900 x 8	900 x 8
	Air Flow Rate (High)	m³/min	320 x 4	320 x 4	320 x 4
		ft³/min	11,301 x 4	11,301 x 4	11,301 x 4
Drive		DC INVERTER	DC INVERTER	DC INVERTER	
	Discharge	Side / Top	TOP	TOP	
Pipe Connections (Heat Recovery System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipe	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
Pipe Connections (Heat Pump System)	Liquid Pipe	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas Pipe	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Dimensions (W x H x D)	mm	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	(1,240 x 1,690 x 760) x 4	
	inch	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4	
Net Weight	kg	(310 x 3) + (300 x 1)	(310 x 3) + (300 x 1)	310 x 4	
	lbs	(683 x 3) + (661 x 1)	(683 x 3) + (661 x 1)	683 x 4	
Sound Pressure Level	Cooling / Heating	dB(A)	70.4 / 72.5	70.9 / 72.7	71.0 / 73.0
Sound Power Level	Cooling / Heating	dB(A)	93.6 / 95.4	93.6 / 95.6	94.0 / 96.0
Protection Devices	High Pressure Protection	-	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch	High Pressure Sensor / High Pressure Switch
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable	No. x mm² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	67.0	67.0	68.0
	t-CO ₂ eq	lbs	147.7	147.7	149.9
	Control		139.9	139.9	142.0
Power Supply	∅, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50	
		3, 380, 60	3, 380, 60	3, 380, 60	
Number of Maximum Connectable Indoor Units		64	64	64	

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

- Capacities are based on the following conditions (ISO 15042)
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 - ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB/19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB/24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
- The Maximum combination ratio is 130%.
- 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.
- Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Power factor could vary less than ±1% according to the operating conditions.
- Due to our policy of innovation some specifications may be changed without notification.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.



Suitable for residences and small offices

MULTI VTM S



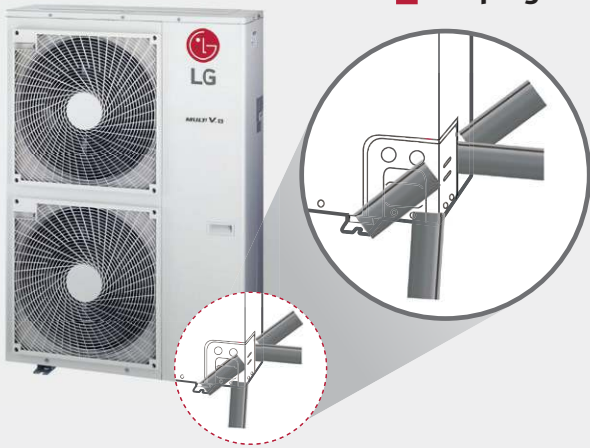
Customer Benefits

- Energy saving
- High reliability
- Improved user convenience

CONVENIENT PIPE DIRECTION DESIGN

Free Design & Installation

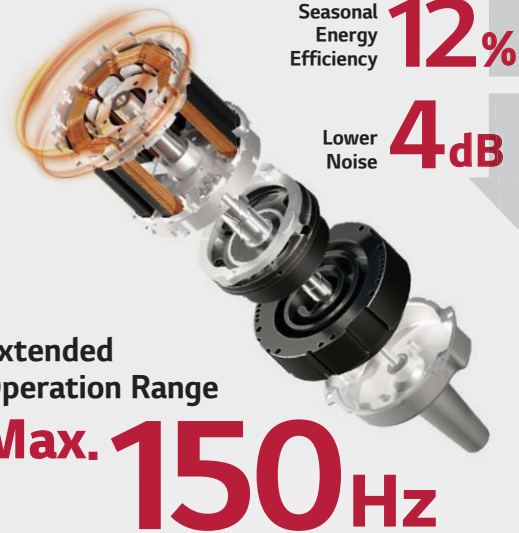
4 Way Piping



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

RI Compressor™

High-Efficiency & Reliability

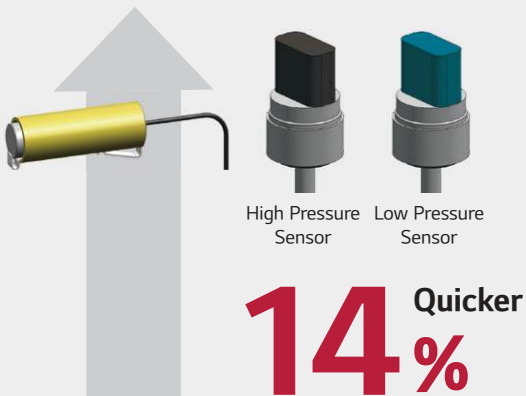


Revolutionary Scroll Compressor is applied for high-efficiency and reliability. This type of compressor is more advanced compared to the conventional one.

SMART CONTROL

Accurate and Easy Control

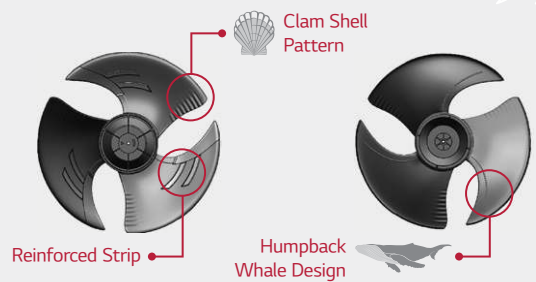
Temperature + Pressure Control



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

BIOMIMETIC FAN

Operation Noise Reduction



Air Flow 33%
Lower Noise 3dB

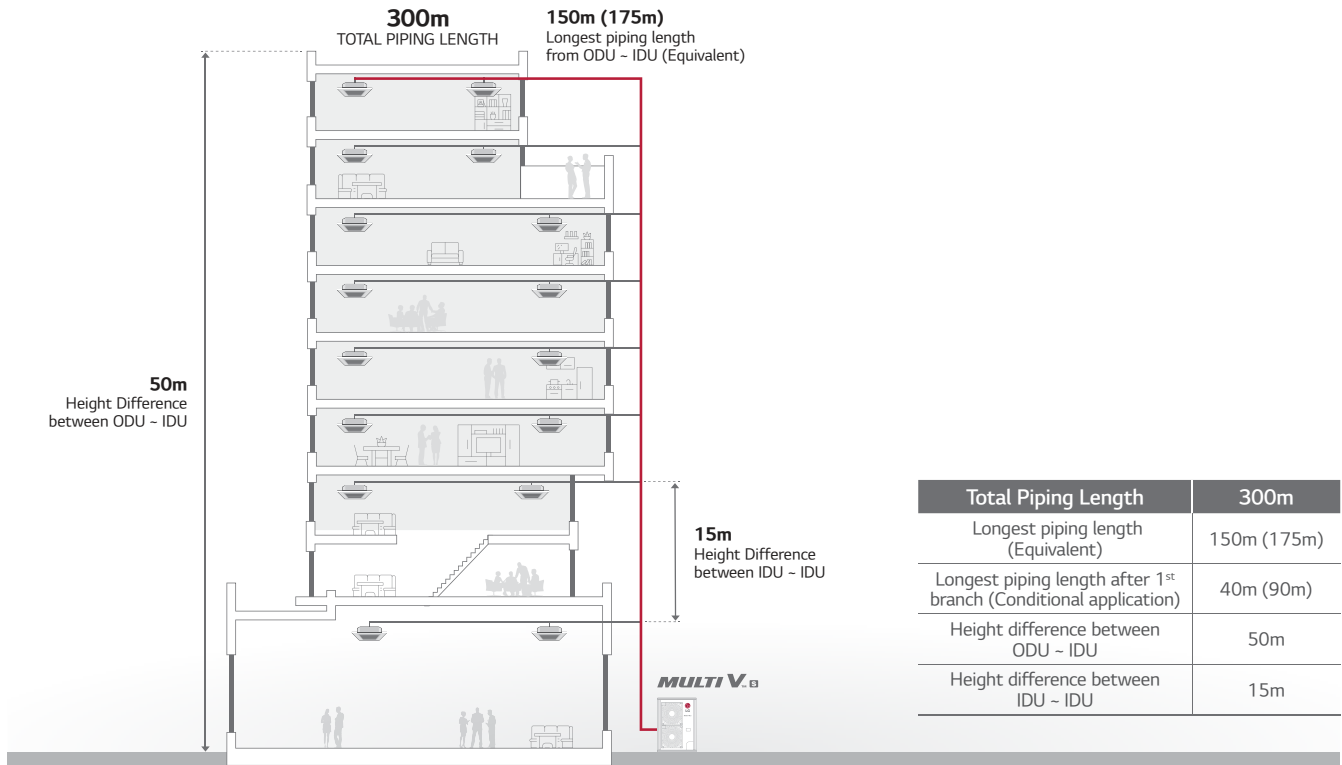


Compact model
(Size 40%↓, Weight 25%↓)

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

MULTI V S

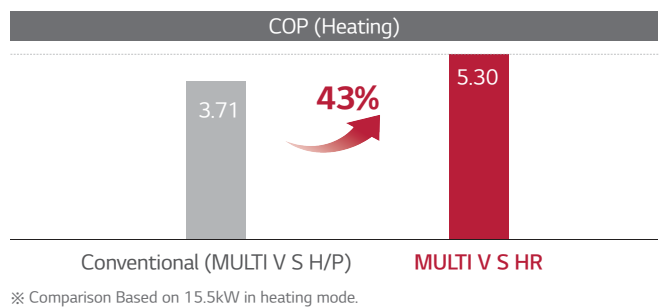
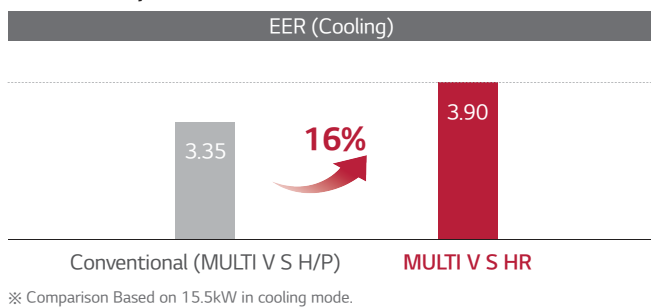
Piping Length



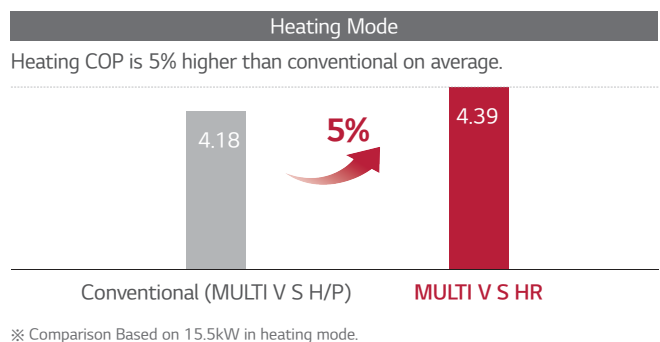
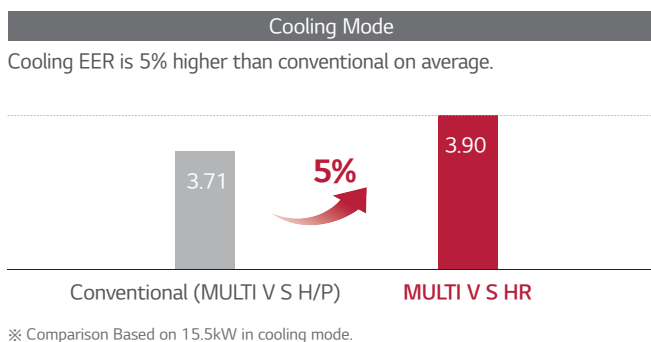
EER / COP / Part load

Saving Energy Cost with High Efficient Product

Heat Pump



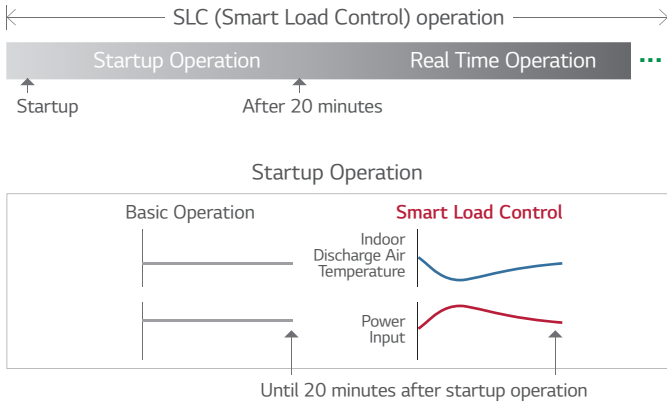
Heat Recovery



Smart Load Control Applied

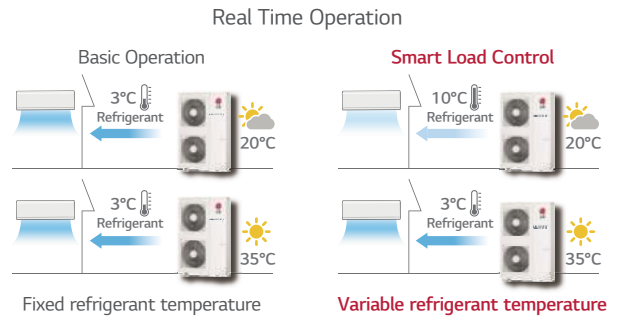
Increase comfortable sensation and Max. 23% energy saving thanks to MULTI V load control

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



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

Max. 10% Energy saving

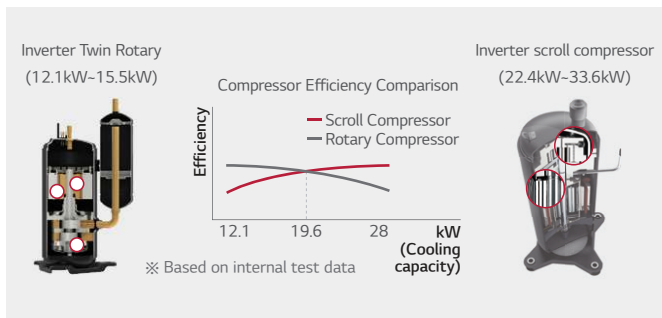


Max. 13% Energy saving

- ※ How to set up : By dip switch in outdoor unit (Referred to Product Data Book) Factory default setting is Off.
- ※ ESEER(European seasonal energy efficiency Ratio) conditions based on 15.5kw unit
 - Outdoor temperature condition : EER 100% / 75% / 50% / 25% = 35°C(DB) / 30°C(DB) / 25°C(DB) / 20°C(DB)
 - Indoor temperature condition : 27°C(DB) / 19°C(WB)
- ※ Dual sensing (Temperature & humidity) smart load control is possible with Remote controller PTMTB100 (White) /PREMTBB10 (Black)

Inverter Twin Rotary & Inverter Scroll Compressor

Adapted High Efficient Compressor according to Capacity



Inverter Twin Rotary

Concentrated Winding Motor

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



Twin Rotary Rotor

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



Surface Coating

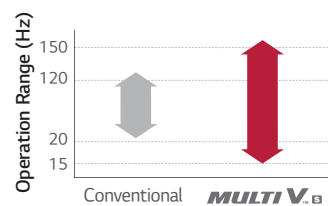
Surface coating of outstanding abrasion resistance property on vane and crank shaft.



Inverter Scroll Compressor

World Best Class Compressor Speed

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



6 By-pass Valve

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



Direct Oil Injection

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

Scroll Profile

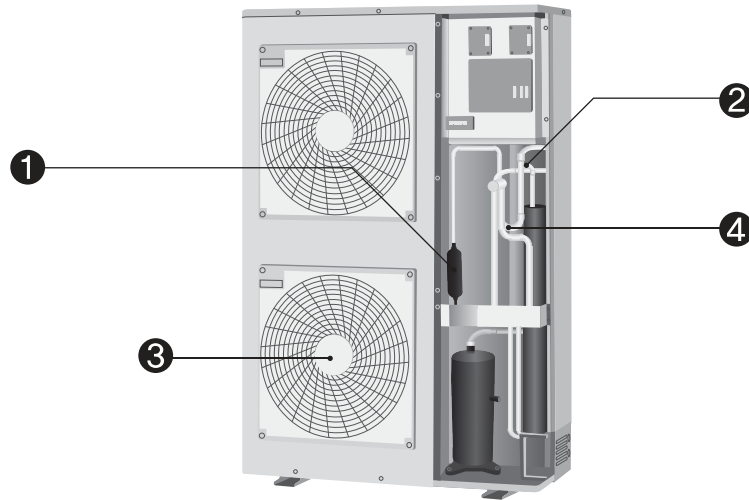
- The enhanced reliability by increasing the thickness of scroll central part within largest pressure
- Efficiency increases by expanding 96% bypass area and 17% improved volume ratio by non uniform scroll thickness

MULTI V S

High Reliability of Refrigerant Components

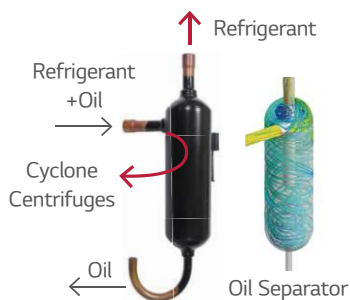
Superior Performance and Strong Durable Components are developed by LG's technologies

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



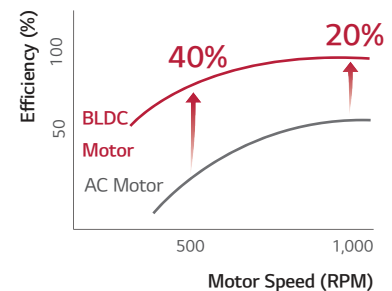
1 Cyclonic Oil Separator

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



3 BLDC Fan Motor

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



2 Large Volume Accumulator

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

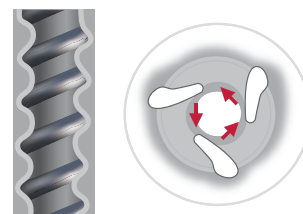


Accumulator

4 Double Sub-cool Interchanger

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

* Based on equivalent pipe length.



Double Sub-cool Interchanger

Smart Control

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

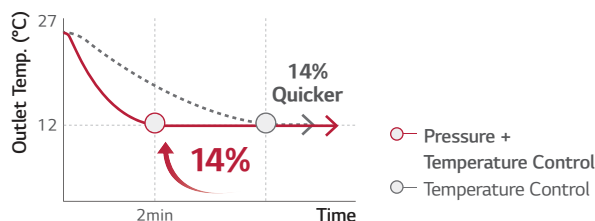
Temperature + Pressure Control

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



Quick Operating Response

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



※ Specifications may vary for each model.

Heat Exchanger with Black Fin II for Corrosion Resistance

Strong Durability against high salinity and heavily polluted air

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



Black Fin II

Corrosion Resistance Proven by Certified Tests

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

Enhanced Coating Layers

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



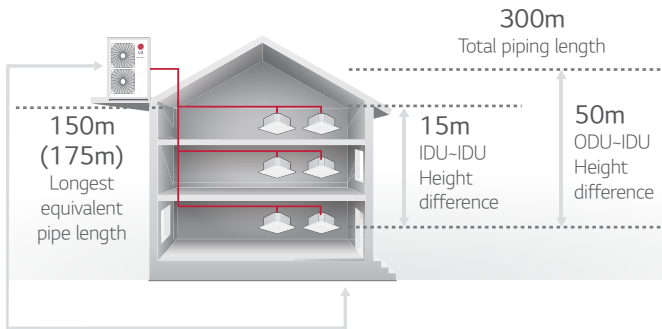
MULTI V S

Sufficient Pipe Length Limit

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

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

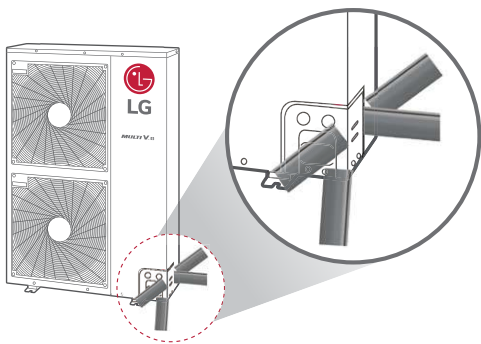
Piping Capabilities



4 Way Piping

Free design and installation by 4 way piping

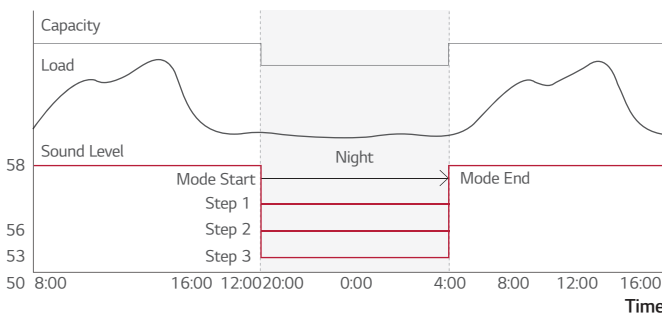
At night mode, noise reduced maximum 14% compared to normal mode.



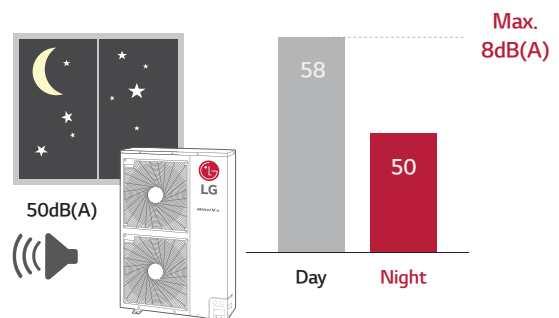
Low Noise Operation

Free from noise at any time with low noise operation function

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



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

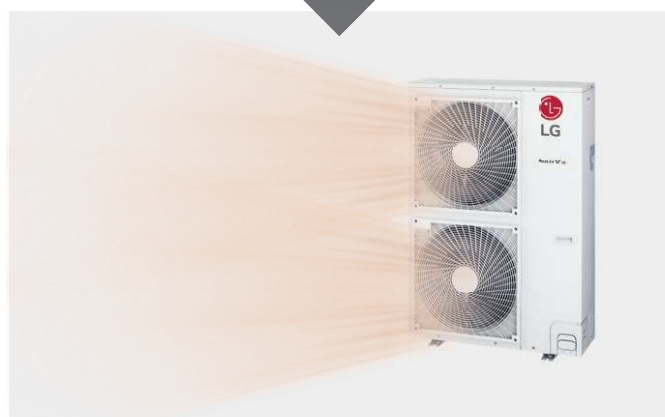
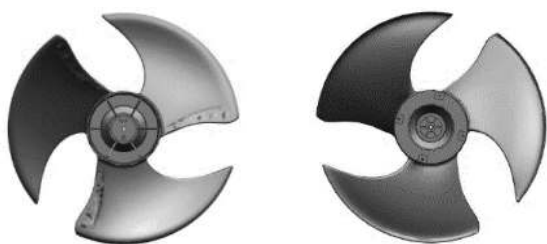


Biomimetic Fan

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

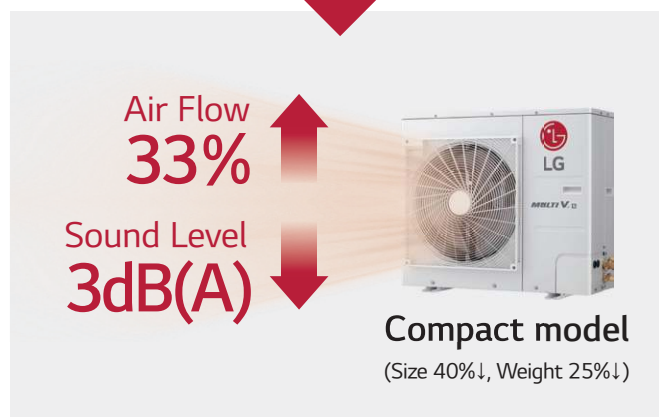
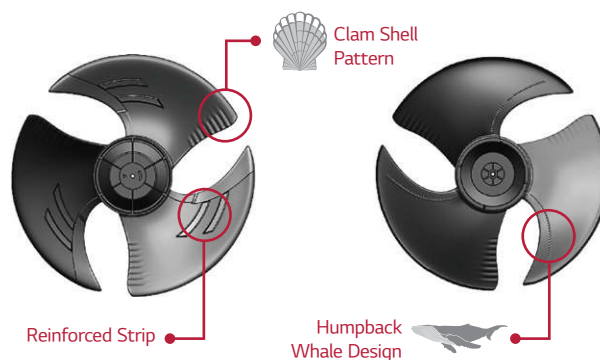
Previous

- General fan design
- Sound pressure level 53.1dB(A) (110CMM / 2 fan)
- Max. Air flow up to 60 CMM (800RPM / 124W Motor x 1EA)



New

- Biomimetic fan design
- Sound pressure level 49.6dB(A) (110CMM / 2 fan)
- Max. Air flow up to 86CMM* (1,000RPM / 200W Motor x 1EA)



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

MULTI V S

Fan Technology and RPM Control

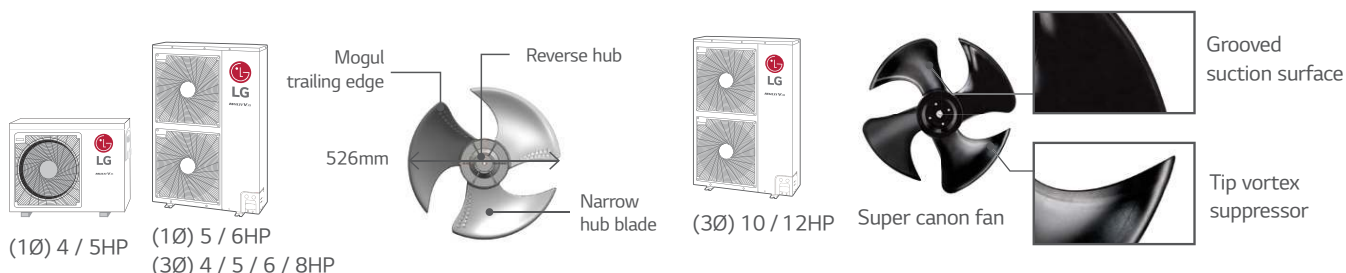
External static pressure control for outdoor unit fan to adapt more flexibly to various installation conditions of outdoor units

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

Fan Technology

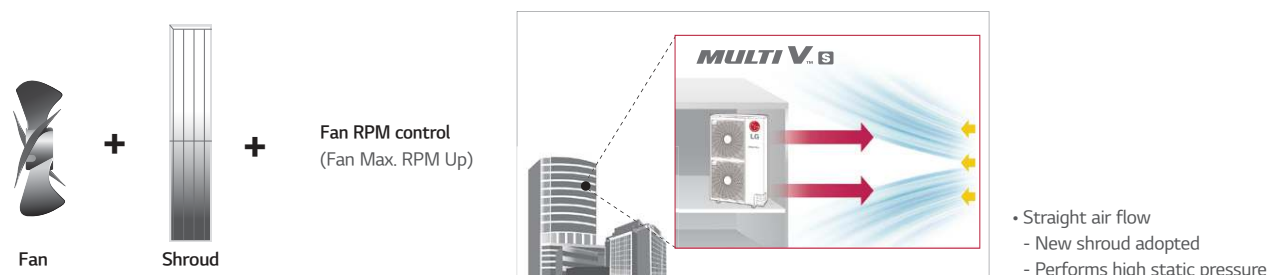
The new axial fan has a mogul trailing edge, narrow hub blade and reverse hub, this provides a high efficiency, low noise, wide fan, as well as improving the air flow rate.

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



Fan RPM Control

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

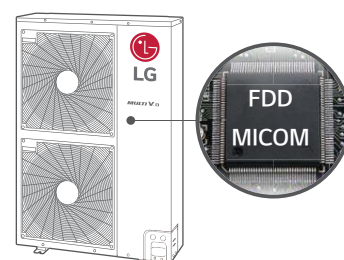


Upgraded Fault Detection and Diagnosis

Easy and convenient maintenance with self-diagnosis

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

- Auto commissioning Mode
- Auto Refrigerant Collection
- Auto evaluation of refrigerant amount and charging
- Able to access LGMV (LG Monitoring View) by smartphone
- Black box function
- Piping & wiring error check-up



MULTI V S

TROPICAL MODEL

HEAT PUMP

ARUN040LSH5 / ARUN050LSH5 / ARUN060LSH0



OUTDOOR UNITS

HP			4	5	6
Model Name	Combination Unit		ARUN040LSH5	ARUN050LSH5	ARUN060LSH0
Capacity (Rated)	*Cooling - T1 35°C	kW	11.2	14.0	15.5
		Btu/h	38,200	47,800	52,900
	**Cooling - T3 46°C	kW	9.5	11.9	13.2
Input (Rated)	*Cooling - T1 35°C	kW	2.60	3.38	3.96
		Btu/h	8,900	11,500	13,400
	Heating	kW	12.5	16.0	18
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	14.7	14.1	13.4
		**Cooling - T3 46°C	Btu/Watt-h	11.6	10.8
	Heating	Btu/Watt-h	15.5	15.5	15.0
COP	*Cooling - T1 35°C	W/W	4.31	4.14	3.91
		**Cooling - T3 46°C	W/W	3.40	3.17
	Heating	W/W	4.55	4.55	4.40
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray	Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		LG Inverter Scroll	LG Inverter Scroll	DC Inverter Rotary
	Motor Output x Number	W x No.	3,198 x 1	3,198 x 1	4,000 x 1
	Starting Method		DC Inverter Starting	DC Inverter Starting	Inverter
	Oil Type		FW68D	FW68D	FVC68D (PVE)
Fan	Type		Axial Flow Fan	Axial Flow Fan	Propeller fan
	Motor Output x Number	W	200 x 1	200 x 1	124 x 2
	Air Flow Rate (High)	m³/min	80	80	110
		ft³/min	2,824	2,824	3,885
Drive		DC INVERTER	DC INVERTER	DC INVERTER	
Pipe Connections	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
Dimensions (W x H x D)		mm	950 x 834 x 330	950 x 834 x 330	950 x 1,380 x 330
		inch	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13
Net Weight		kg	72	72	96
		lbs	159	159	212
Sound Pressure Level	Cooling / Heating	dB(A)	50 / 52	51 / 53	52 / 54
Sound Power Level	Cooling / Heating	dB(A)	70 / 74	70 / 74	67 / -
Protection Devices	High Pressure Protection	-	High Pressure Sensor	High Pressure Sensor	High Pressure Sensor
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection
Communication Cable		No. x mm² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in factory	kg	2.4	2.4	3.0
		lbs	5.3	5.3	6.6
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø, V, Hz	3, 380 - 400 - 415, 50/60	3, 380 - 400 - 415, 50/60	3, 380 - 400 - 415, 50/60
Running Current	Cooling	A	4.50 - 4.28 - 4.12	5.70 - 5.42 - 5.22	6.80 - 6.46 - 6.23
	Heating	V	4.80 - 4.56 - 4.40	5.90 - 5.61 - 5.40	7.20 - 6.84 - 6.59
Number of Maximum Connectable Indoor Units			8	10	9

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

- Cooling Temperature :
 - Cooling (T1) : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
 - ** Cooling (T3) : Indoor Temperature 29°C (84.2°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB / 24°C (75.2°F) WB
 - Heating Temperature : Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB, Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
 - Piping Length : Interconnected Pipe Length = 7.5m
 - Height difference between outdoor unit and indoor unit : 0m
- The Maximum combination ratio is 130%.
 - 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.
 - Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 - Power factor could vary less than ±1% according to the operating conditions.
 - Due to our policy of innovation some specifications may be changed without notification.

MULTI V S

TROPICAL MODEL

HEAT PUMP

ARUN080LSHO / ARUN100LSHO



HP		8		10	
Model Name	Combination Unit	ARUN080LSHO		ARUN100LSHO	
Capacity (Rated)	*Cooling - T1 35°C	kW	22.4	28.0	
		Btu/h	76,400	95,900	
	**Cooling - T3 46°C	kW	19	25	
		Btu/h	64,900	85,300	
Heating	kW	25.2	31.5		
	Btu/h	86,000	107,500		
Input (Rated)	*Cooling - T1 35°C	kW	5.60	7.09	
	**Cooling - T3 46°C	kW	5.94	7.94	
	Heating	kW	5.86	7.41	
EER (Rated)	*Cooling - T1 35°C	Btu/Watt-h	13.6	7.09	
	**Cooling - T3 46°C	Btu/Watt-h	10.9	7.94	
	Heating	Btu/Watt-h	14.7	7.41	
COP	*Cooling - T1 35°C	W/W	4.00	3.95	
	**Cooling - T3 46°C	W/W	3.20	3.15	
	Heating	W/W	4.30	4.25	
Power Factor	Rated	-	0.93	0.93	
Casing Color			Warm Gray	Warm Gray	
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	
	Starting Method		Inverter	Inverter	
Fan	Oil Type		FVC68D (PVE)	FVC68D (PVE)	
	Type		Propeller fan	Propeller fan	
	Motor Output x Number	W	250 x 2	251 x 2	
	Air Flow Rate (High)	m ³ /min	190	190	
		ft ³ /min	6,707	6,707	
Drive		DC INVERTER	DC INVERTER		
Pipe Connections	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	
	Gas	mm (inch)	19.05 (3/4)	22.2 (7/8)	
Dimensions (W x H x D)		mm	1,090 x 1,625 x 380	1,090 x 1,625 x 380	
		inch	42-29/32x 63-31/32 x 14-31/32	42-29/32x 63-31/32 x 14-31/32	
Net Weight		kg	144	144	
		lbs	317	317	
Sound Pressure Level	Cooling / Heating	dB(A)	57 / 57	58 / 58	
Sound Power Level	Cooling / Heating	dB(A)	68 / -	69 / -	
Protection Devices	High Pressure Protection	-	High Pressure Sensor	High Pressure Sensor	
	Compressor / Fan	-	Over-heat Protection / Fan Driver Overload Protector	Over-heat Protection / Fan Driver Overload Protector	
	Inverter	-	Over-heat Protection / Over-current Protection	Over-heat Protection / Over-current Protection	
Communication Cable		No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	
Refrigerant	Refrigerant Name		R410A	R410A	
	Precharged Amount in factory	kg	4.5	4.5	
		lbs	9.9	9.9	
Control			Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply		∅, V, Hz	3, 380 - 400 - 415, 50/60	3, 380 - 400 - 415, 50/60	
Running Current	Cooling	A	12.10 - 11.50 - 11.08	12.10 - 11.50 - 11.08	
	Heating	V	12.30 - 11.69 - 11.26	12.30 - 11.69 - 11.26	
Number of Maximum Connectable Indoor Units			13	16	

NOTE : 1. Capacities are based on the following conditions (ISO 15042)

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

2. The Maximum combination ratio is 130%.

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

4. Sound Level Values are measured at Anechoic chamber. Therefore, these values can be increased owing to ambient conditions during operation. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

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

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

Non TROPICAL MODEL

HEAT PUMP

ARUN040GSS0 / ARUN050GSS0 / ARUN060GSS0



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

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

NOTE : 1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.

- Refer to EUROVENT certification regulation for more detail test conditions.
- Refer to EUROVENT website for test values connected Ceiling Cassette type indoors.

2. Performances are based on the following conditions :

- Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

3. The maximum combination ratio is 160% (the maximum combination ratio of ARUN050GSS0 is 130%)

4. Wiring cable size must comply with the applicable local and national codes.

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

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

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

8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V S

Non TROPICAL MODEL

HEAT PUMP

ARUN040LSS0 / ARUN050LSS0 / ARUN060LSS0



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

HP			4	5	6
Model Name			ARUN040LSS0	ARUN050LSS0	ARUN060LSS0
Capacity (Rated)	Cooling	kW	12.1	14.0	15.5
		Btu/h	41,300	47,800	52,900
	Heating	kW	12.5	16.0	18.0
		Btu/h	42,700	54,600	61,400
Input (Rated)	Cooling	kW	3.39	4.59	5.17
	Heating	kW	2.75	4.18	5.00
EER (Rated)		W/W	3.57	3.05	3.00
COP (Rated)		W/W	4.55	3.83	3.60
Power Factor (Rated)			0.93	0.93	0.93
Exterior	Color		Warm Gray	Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		BLDC Inverter Twin Rotary	BLDC Inverter Twin Rotary	BLDC Inverter Twin Rotary
	Motor Output	W	4,000	4,000	4,000
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Motor Output x Number	W	124 x 2	124 x 2	124 x 2
	Air Flow Rate (High)	m ³ /min	110	110	110
		ft ³ /min	3,885	3,885	3,885
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connections	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
Dimensions (W x H x D)		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
		inch	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Net Weight		kg	96	96	96
		lbs	212	212	212
Sound Pressure Level	Cooling / Heating	dB(A)	50 / 52	51 / 53	52 / 54
Sound Power Level	Cooling / Heating	dB(A)	72 / 76	72 / 76	72 / 77
Protection Devices	High Pressure Protection	-	High Pressure Sensor		
	Compressor/ Fan	-	Over-heat Protection / Fan Driver Overload Protector		
	Inverter	-	Over-heat Protection / Over-current Protection		
Communication Cable		No. x mm ² (VCTF-SB)	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount	kg	3.0	3.0	3.0
		lbs	6.6	6.6	6.6
	t-CO ₂ eq		6.263	6.263	6.263
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply		Ø, V, Hz	3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Running Current	Cooling	A	5.54 - 5.26 - 5.07	7.50 - 7.12 - 6.87	8.45 - 8.02 - 7.73
	Heating	A	4.49 - 4.27 - 4.11	6.83 - 6.49 - 6.25	8.17 - 7.76 - 7.48
Number of Maximum Connectable Indoor Units			8	10	13

NOTE : 1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.

- Refer to EUROVENT certification regulation for more detail test conditions.
- Refer to EUROVENT website for test values connected Ceiling Cassette type indoors.

2. Performances are based on the following conditions :

- Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

3. The maximum combination ratio is 160% (the maximum combination ratio of ARUN050GSL0 is 130%)

4. Wiring cable size must comply with the applicable local and national codes.

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

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

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

8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

Non TROPICAL MODEL

HEAT PUMP

ARUN080LSS0 / ARUN100LSS0 / ARUN120LSS0



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

HP			8	10	12
Model Name			ARUN080LSS0	ARUN100LSS0	ARUN120LSS0
Capacity (Rated)	Cooling	kW	22.4	28.0	33.6
		Btu/h	76,400	95,900	114,700
	Heating	kW	24.5	30.6	36.7
		Btu/h	83,600	104,400	125,200
Input (Rated)	Cooling	kW	8.45	12.44	15.27
	Heating	kW	6.96	8.50	12.23
EER (Rated)		W/W	2.65	2.25	2.20
COP (Rated)		W/W	3.52	3.60	3.00
Power Factor (Rated)			0.93	0.93	0.93
Exterior	Color		Warm Gray	Warm Gray	Warm Gray
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Motor Output	W	4,200	5,300	5,300
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68D (PVE)	FW68D (PVE)	FW68D (PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	124 x 2	250 x 2	250 x 2
	Air Flow Rate (High)	m ³ /min	140	190	190
		ft ³ /min	4,944	6,710	6,710
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	Side	Side	Side
Pipe Connections	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Gas	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø28.58 (11/8)
Dimensions (W x H x D)	mm		950 x 1,380 x 330	1,090 x 1,625 x 380	1,090 x 1,625 x 380
	inch		37-13/32 x 54-11/32 x 13	42-29/32 x 63-31/32 x 14-31/32	42-29/32 x 63-31/32 x 14-31/32
Net Weight	kg		115	142	155
	lbs		254	312	340
Sound Pressure Level	Cooling / Heating	dB(A)	57 / 57	58 / 58	60 / 60
		dB(A)			
Sound Power Level	Cooling / Heating	dB(A)	78 / 81	77 / 79	78 / 82
		dB(A)			
Protection Devices	High Pressure Protection	-	High Pressure Sensor		
	Compressor/ Fan	-	Over-heat Protection / Fan Driver Overload Protector		
	Inverter	-	Over-heat Protection / Over-current Protection		
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount	kg	3.5	4.5	6.0
		lbs	7.7	9.9	13.2
	t-CO ₂ eq		7.306	9.394	12.525
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380 - 415, 50	3, 380 - 415, 50	3, 380 - 415, 50
			3, 380, 60	3, 380, 60	3, 380, 60
Running Current	Cooling	A	13.8 - 13.11 - 12.64	20.32 - 19.31 - 18.61	24.95 - 23.7 - 22.84
	Heating	A	11.37 - 10.80 - 10.41	13.89 - 13.19 - 12.72	19.98 - 18.98 - 18.30
Number of Maximum Connectable Indoor Units			13	16	20

NOTE : 1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.

- Refer to EUROVENT certification regulation for more detail test conditions.
- Refer to EUROVENT website for test values connected Ceiling Cassette type indoors.

2. Performances are based on the following conditions :

- Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

3. The maximum combination ratio is 160% (the maximum combination ratio of ARUN050GSLO is 130%)

4. Wiring cable size must comply with the applicable local and national codes.

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

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

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

8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V S

Non TROPICAL MODEL

HEAT RECOVERY

ARUB060GSS4



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

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

NOTE : 1. Eurovent Test Condition : Type of indoor unit connected is only Ceiling Concealed Duct.

- Refer to EUROVENT certification regulation for more detail test conditions.
- Refer to EUROVENT website for test values connected Ceiling Cassette type indoors.

2. Performances are based on the following conditions :

- Cooling Temperature : Indoor 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor 35°C (95°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

3. The maximum combination ratio is 160% (the maximum combination ratio of ARUN050GSL0 is 130%)

4. Wiring cable size must comply with the applicable local and national codes.

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

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

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

8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

INDOOR UNITS



CEILING CONCEALED DUCT



Features & Benefits

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

Key Applications

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

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

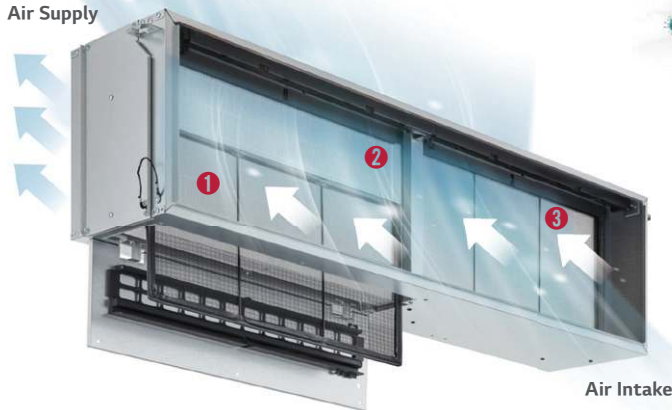
※ ○ : Applied, - : Not applied

UVnano™ Filter Box

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

Air Purification Operation

Air Supply



Air Intake



Step 1

Pre-Filter

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

Step 2

UVnano

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

Step 3

ePM₁ 65% Filter

- Trap particles as small as 0.3µm in size²⁾

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

Certificate



Certified Test Report

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

** Tested by TÜV Rheinland Standard



Certified Test Report

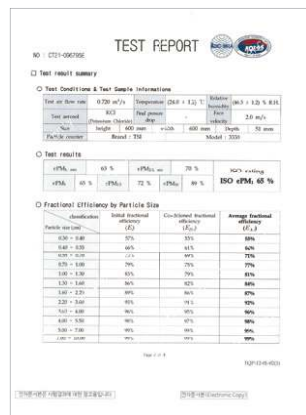
The built-in UV LED module of tested model (PBM13M3UA0) has 99.99% sterilization performance to virus (Phi X 174) at measuring points of the Pre-Filter under the proposed test condition.

** Tested by TÜV Rheinland Standard

ePM₁ 65% Filter

ePM₁ 65% Filtering capability rating in accordance with ISO 16890

Certified Test Report



Comparison of Filter Classes

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

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

INDOOR UNITS

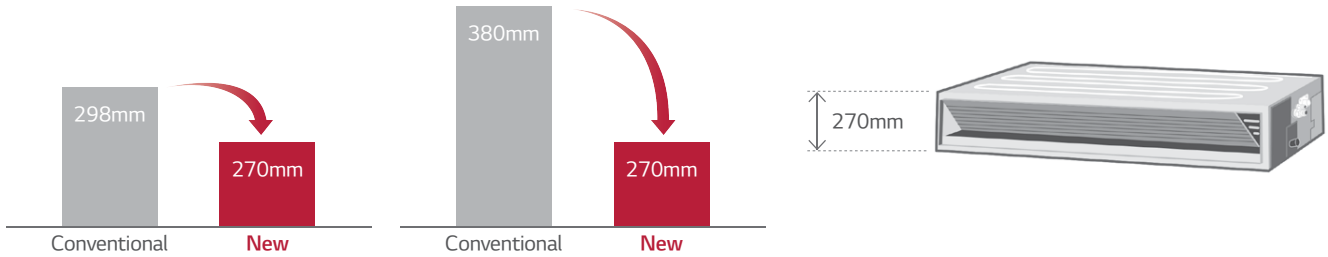
CEILING CONCEALED DUCT

Minimized Height

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

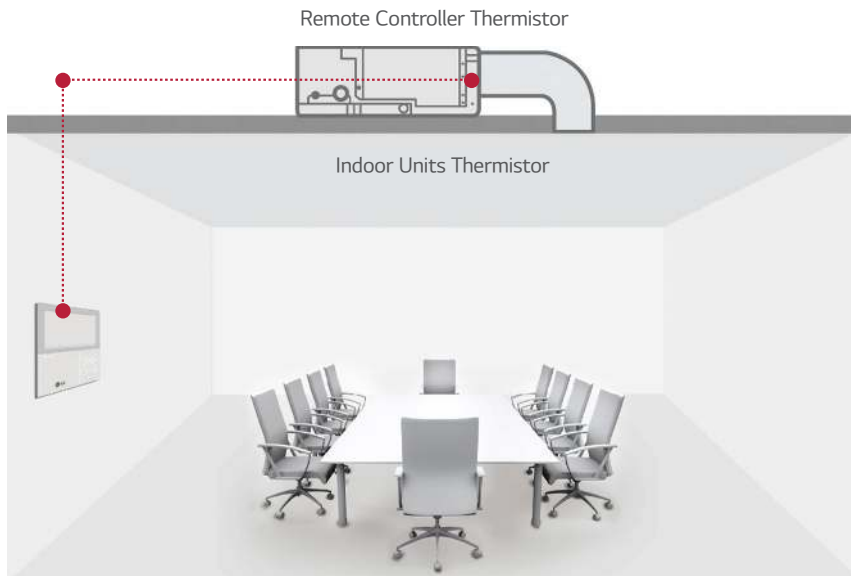
8 / 10kW

12.5kW



Two Thermistors Control

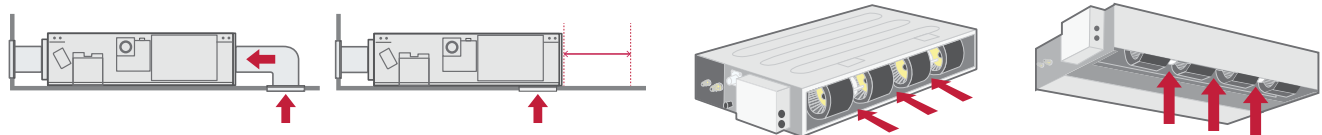
The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimize indoor air temperature for a more comfortable environment.



Flexible Installation (Low Static Duct Only)

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

Air intake at the rear or bottom



MID STATIC

ARNU07GM1A4 / ARNU09GM1A4 / ARNU12GM1A4



INDOOR UNITS

Model	Unit	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4
Cooling Capacity	kW	2.2	2.8	3.6
	Btu/h	7,500	9,600	12,300
Heating Capacity	kW	2.5	3.2	4.0
	Btu/h	8,500	10,900	13,600
Power Input (H / M / L)	W	39 / 30 / 25	40 / 32 / 26	46 / 38 / 31
Dimensions (W x H x D)	Body	mm	900 x 270 x 700	900 x 270 x 700
	Type		Sirocco Fan	Sirocco Fan
Fan	Motor Output x Number	W	136 x 1	136 x 1
	Air Flow Rate (H / M / L) (Factory Set)	m ³ /min	9.0 / 7.5 / 6.0	9.5 / 7.5 / 6.0
	External Static Pressure	mmAq (Pa)	6 (59)	6 (59)
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
	Air Filter		Pre-Filter	Pre-Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)
Net Weight	Body	kg (lbs)	25.0 (55)	25.0 (55)
Sound Pressure Levels (H / M / L)		dB(A)	26 / 24 / 23	27 / 25 / 23
Sound Power Levels (H / M / L)		dB(A)	55 / 54 / 51	55 / 54 / 52
Power Supply	Ø, V, Hz		1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60
Transmission Cable	mm ²		1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Duct Filter Box			PBM13M1UA0	PBM13M1UA0

NOTE :

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

Accessories

Chassis	ARNU07GM1A4	ARNU09GM1A4	ARNU12GM1A4
Drain Pump		○	
Cassette Cover		-	
Refrigerant Leakage Detector		PRLDNV50	
EEV Kit		PRGK024A0 (-5.6kW)	
Multi-tenant Power Module		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO ₂ Sensor		-	
Ventilation Kit		-	
IR Receiver		PWLRVN000	
Zone Controller		ABZCA	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)		○	
Wi-Fi		PWFMD200	

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

MID STATIC

ARNU15GM1A4 / ARNU18GM1A4 / ARNU24GM1A4



Model		Unit	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Cooling Capacity		kW	4.5	5.6	7.1
		Btu/h	15,400	19,100	24,200
Heating Capacity		kW	5.0	6.3	8.0
		Btu/h	17,100	21,500	27,300
Power Input (H / M / L)		W	67 / 53 / 46	85 / 63 / 55	91 / 74 / 58
Dimensions (W x H x D)	Body	mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
Fan	Motor Output x Number	W	136 x 1	136 x 1	136 x 1
	Air Flow Rate (H / M / L) (Factory Set)	m ³ /min	16.0 / 12.0 / 9.0	17.0 / 14.5 / 12.0	19.0 / 16.0 / 14.0
	External Static Pressure	mmAq (Pa)	6 (59)	6 (59)	6 (59)
	Drive		Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre-Filter	Pre-Filter	Pre-Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	25 (1)
Net Weight		kg (lbs)	25.0 (55)	25.0 (55)	25.9 (57)
Sound Pressure Levels (H / M / L)		dB(A)	30 / 27 / 23	31 / 28 / 25	32 / 29 / 26
Sound Power Levels (H / M / L)		dB(A)	59 / 57 / 55	59 / 57 / 55	59 / 58 / 56
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm ²	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
UVnano Filter Box			PBM13M1UA0	PBM13M1UA0	PBM13M1UA0

NOTE :

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

Accessories

Chassis	ARNU15GM1A4	ARNU18GM1A4	ARNU24GM1A4
Drain Pump		○	
Cassette Cover		-	
Refrigerant Leakage Detector		PRLDNV50	
EEV Kit		PRGK024A0 (-5.6kW)	
Multi-tenant Power Module		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO ₂ Sensor		-	
Ventilation Kit		-	
IR Receiver		PWLRVN000	
Zone Controller		ABZCA	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)		○	
Wi-Fi		PWFMD200	

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

ARNU28GM2A4 / ARNU36GM2A4 / ARNU42GM2A4
ARNU48GM3A4 / ARNU54GM3A4



Model	Unit	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3A4	ARNU54GM3A4	
Cooling Capacity	kW	8.2	10.6	12.3	14.1	15.8	
	Btu/h	28,000	36,200	42,000	48,100	54,000	
Heating Capacity	kW	9.2	11.9	13.8	15.9	18.0	
	Btu/h	31,500	40,600	47,000	54,200	61,400	
Power Input (H / M / L)	W	123 / 81 / 57	184 / 123 / 81	231 / 162 / 111	172 / 105 / 65	260 / 215 / 172	
Dimensions (W x H x D)	Body	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
Fan	Motor Output x Number	W	350 x 1	350 x 1	350 x 1	400 x 1	400 x 1
	Air Flow Rate (H / M / L) (Factory Set)	m ³ /min	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
	External Static Pressure	mmAq (Pa)	6 (59)	6 (59)	6 (59)	6 (59)	6 (59)
	Drive		Direct	Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
	Air Filter		Pre-Filter	Pre-Filter	Pre-Filter	Pre-Filter	Pre-Filter
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)	25 (1)	25 (1)	25 (1)
Net Weight	kg (lbs)	36.0 (79)	36.0 (79)	37.2 (82)	42.2 (93)	42.2 (93)	
Sound Pressure Levels (H / M / L)	dB(A)	38 / 36 / 35	40 / 38 / 36	42 / 41 / 39	41 / 38 / 37	42 / 41 / 40	
Sound Power Levels (H / M / L)	dB(A)	59 / 57 / 55	60 / 59 / 57	62 / 61 / 60	63 / 60 / 59	65 / 64 / 62	
Power Supply	Ø, V, Hz	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60	
Transmission Cable	mm ²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	
UVnano Filter Box		PBM13M2UA0	PBM13M2UA0	PBM13M2UA0	PBM13M3UA0	PBM13M3UA0	

NOTE :

1. Performance tested under EN14511

2. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

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

Accessories

Chassis	ARNU28GM2A4	ARNU36GM2A4	ARNU42GM2A4	ARNU48GM3A4	ARNU54GM3A4
Drain Pump			○		
Cassette Cover			-		
Refrigerant Leakage Detector			PRLDNV50		
EEV Kit			PRGK024A0 (-5.6kW)		
Multi-tenant Power Module			PINPMB001		
Robot Cleaner			-		
Pre Filter (Washable)			○		
Ion Generator			-		
CO ₂ Sensor			-		
Ventilation Kit			-		
IR Receiver			PWLVRN000		
Zone Controller			ABZCA		
Dry Contact (with Additional Accessory)			PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)			○		
Wi-Fi			PWFMD200		

※ ○ : Applied, - : Not applied

Option : Refer to model name in table

HIGH STATIC

ARNU76GB8A4 / ARNU96GB8A4



Model		Unit	ARNU76GB8A4	ARNU96GB8A4
Cooling Capacity		kW	22.4	28.0
		Btu/h	76,400	95,900
Heating Capacity		kW	25.2	31.5
		Btu/h	86,000	107,500
Power Input (H / M / L)		W	765 / 500 / 500	800 / 750 / 750
Dimensions (W x H x D)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688
	Type		Sirocco Fan	Sirocco Fan
Fan	Motor Output x Number	W	375 x 2	375 x 2
	Air Flow Rate (H / M / L) (Factory Set)	m ³ /min	60.0 / 50.0 / 50.0	72.0 / 64.0 / 64.0
	External Static Pressure	mmAq (Pa)	22 (216)	22 (216)
	Air Flow Rate (H / M / L) (Standard Mode)	m ³ /min	64.0 / 50.0 / 50.0	76.0 / 64.0 / 64.0
	External Static Pressure	mmAq (Pa)	15 (147)	15 (147)
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Air Filter			Pre-Filter	Pre-Filter
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)
	Drain Pipe (Internal Dia.)	mm (inch)	25 (1)	25 (1)
Net Weight		kg (lbs)	87 (192)	87 (192)
Sound Pressure Levels (H / M / L)		dB(A)	45 / 41 / 40	47 / 42 / 41
Sound Power Levels (H / M / L)		dB(A)	67 / 62 / 60	68 / 64 / 62
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm ²	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C

NOTE :

1. Performance tested under EN14511

2. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

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

Accessories

Chassis	ARNU76GB8A4	ARNU96GB8A4
Drain Pump		○
Cassette Cover		-
Refrigerant Leakage Detector		PRLDNVSO
EEV Kit		PRGK024A0 (-5.6kW)
Multi-tenant Power Module		PINPMB001
Robot Cleaner		-
Pre Filter (Washable)		○
Ion Generator		-
CO ₂ Sensor		-
Ventilation Kit		-
IR Receiver		PWLRVN000
Zone Controller		ABZCA
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)
External Input (1 point)		○
Wi-Fi		PWFMD200

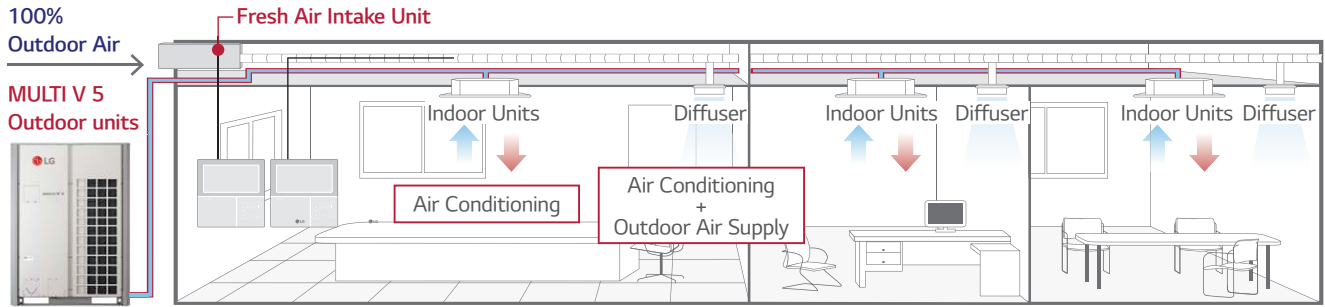
※ ○ : Applied, - : Not applied

Option : Refer to model name in table

FRESH AIR INTAKE UNIT

Fresh Outdoor Air Supply

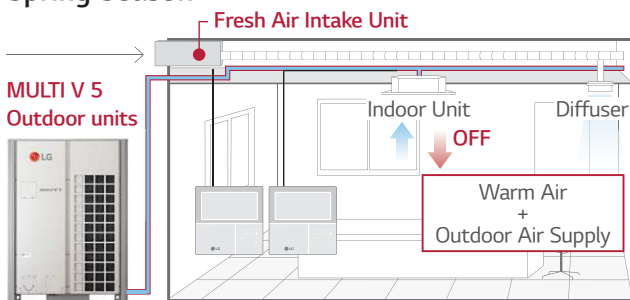
The LG Fresh Air Intake Unit (FAU) is the alternative solution for ventilation, which supplies the fresh outdoor air indoors as well as being able to cool and heat air inside simultaneously. It means the indoor space can have positive air pressure consistently, which can block cold, hot or contaminated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



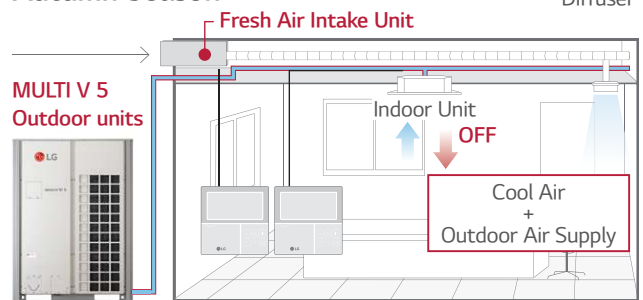
Economic Operation

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

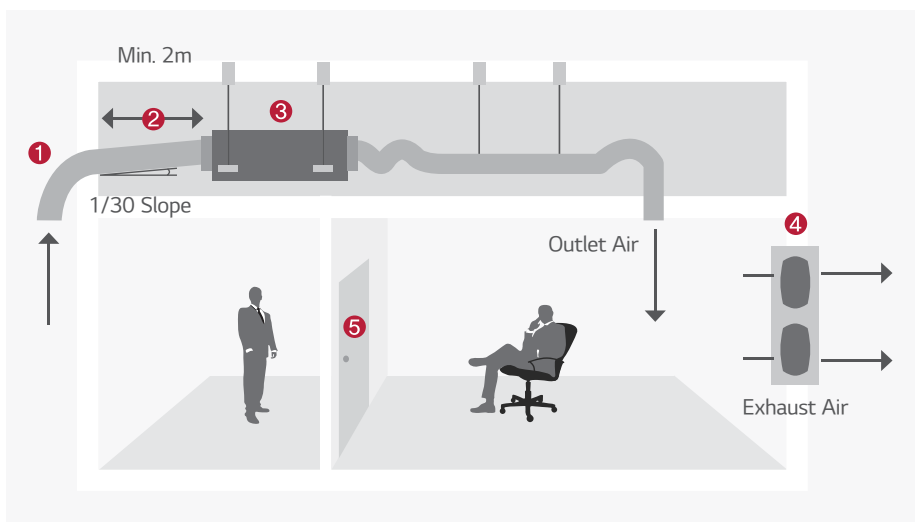
Spring Season



Autumn Season



Installation Scene



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

FRESH AIR INTAKE UNIT

ARNU76GB8Z4 / ARNU96GB8Z4



Model		Unit	ARNU76GB8Z4	ARNU96GB8Z4
Cooling Capacity		kW	22.4	28
		Btu/h	76,400	95,900
Heating Capacity		kW	21.4	26.7
		Btu/h	73,080	91,360
Power Input (H / M / L)		W	230 / 200 / 200	360 / 230 / 230
Dimensions (W x H x D)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688
	Type	-	Sirocco Fan	Sirocco Fan
Fan	Motor Output x Number	W	375 x 1	375 x 1
	Air Flow Rate (H/M/L) High static Mode-Factory Set	m³/min	23.7 / 13.2 / 13.2	35.7 / 23.7 / 23.7
	External Static Pressure	mmAq (Pa)	22	22
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pre-Filter			Long Life Filter	Long Life Filter
Pipe Connection	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø19.05 (3/4)	Ø22.2 (7/8)
	Drain Pipe (Internal Dia.)	mm	25	25
Net Weight		kg (lbs)	73 (161)	73 (161)
Sound Pressure Levels (H / M / L)		dB(A)	45 / 43 / 43	47 / 45 / 45
Sound Power Levels (H / M / L)		dB(A)	70 / 67 / 67	72 / 70 / 70
Power Supply		Ø, V, Hz	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60
Transmission Cable		mm²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C

NOTE :

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

CAUTION

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

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

Accessories

Chassis	ARNU76GB8Z4	ARNU96GB8Z4
Drain Pump		○
Cassette Cover		-
Refrigerant Leakage Detector		PRLDNV50
EEV Kit		-
Multi-tenant Power Module		PINPMB001
Robot Cleaner		-
Pre Filter (Washable)		○
Ion Generator		-
CO ₂ Sensor		-
Ventilation Kit		-
IR Receiver		PWLRVN000
Zone Controller		-
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)
External Input (1 point)		○
Wi-Fi		PWFMDD200

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

ROUND CASSETTE



Features & Benefits

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

Key Applications

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

Premium Design to Complete the Space

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

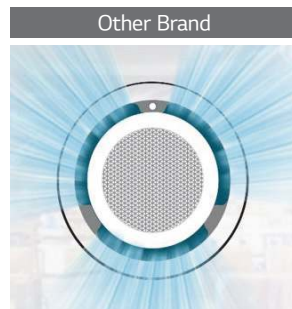


INDOOR UNITS

Comfort

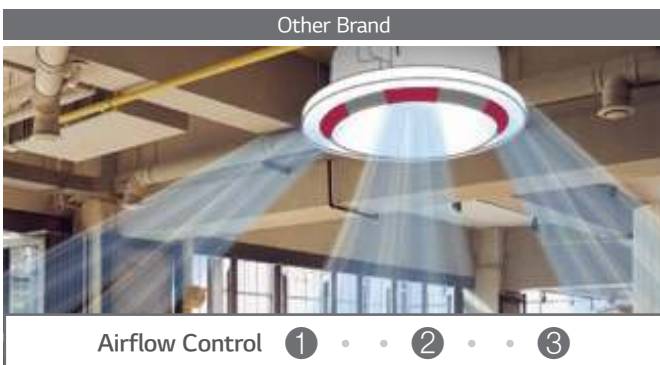
Perfect Round Flow

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



Visible, Intuitive Airflow

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

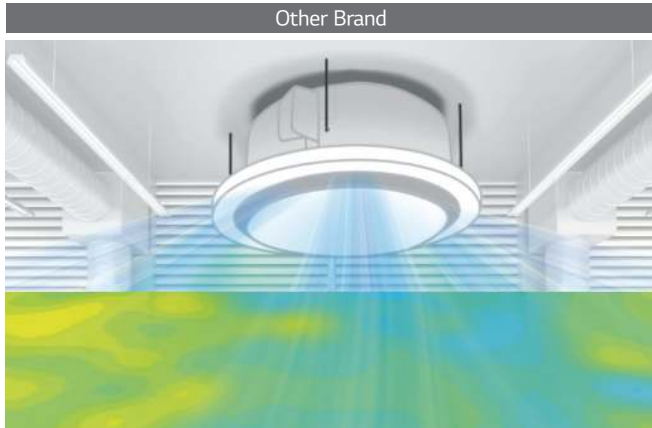


ROUND CASSETTE

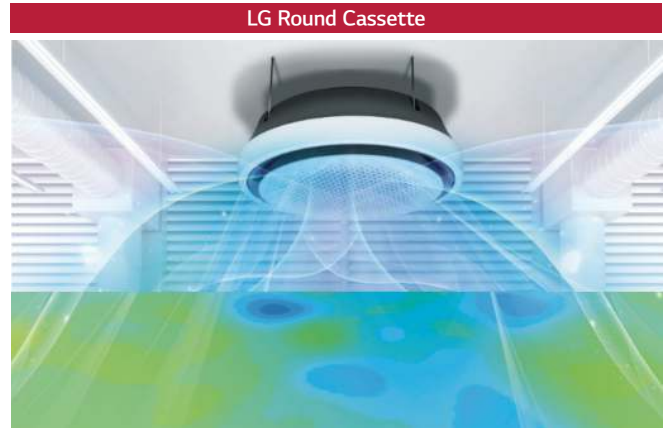
Comfort

30% Faster in Cooling

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



18 minutes to reach the set temperature



12 minutes to reach the set temperature

Clean Air

Powerful and Convenient 5-step Air Purification

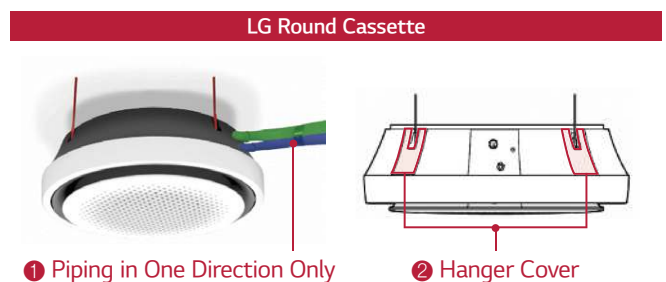
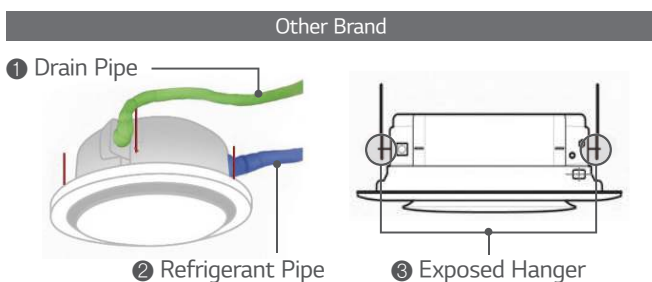
With the semi-permanent 5-step air filter, you don't have to worry about maintenance cost anymore.



Installation

Minimal exposure of installations

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



ROUND CASSETTE

ARNU24GTYA4 / ARNU36GTYA4 / ARNU48GTYA4



Model	Unit	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4	
Cooling Capacity	kW	7.1	10.6	14.1	
	Btu/h	24,200	36,200	48,100	
Heating Capacity	kW	8.0	11.9	15.9	
	Btu/h	27,300	40,600	54,200	
Power Input	H / M / L	44 / 36 / 29	63 / 47 / 36	98 / 70 / 44	
Fan	Type	-	3D Turbo Fan	3D Turbo Fan	
	Air Flow Rate (H / M / L)	m ³ /min	22 / 21 / 19	27 / 24 / 21	32 / 28 / 23
Fan Motor	Type	-	Brushless DC	Brushless DC	
	Drive	-	Direct	Direct	
	Output	W x No.	157 x 1	157 x 1	157 x 1
Dimensions	Net (W x H x D)	mm	1,050 x 330 x 1,050	1,050 x 330 x 1,050	1,050 x 330 x 1,050
Weight	Net	kg	30.0	30.0	30.0
Exterior	Color	-	White	White	White
	RAL Code	-	RAL 9003	RAL 9003	RAL 9003
Pre-Filter	Type	-	Long Life	Long Life	Long Life
Air Purification Kit	-	-	PTAHYPO	PTAHYPO	PTAHYPO
Piping Connection	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Sound Pressure Level (H / M / L)	dB(A)	39 / 37 / 34	43 / 39 / 37	47 / 44 / 39	
Sound Power Level (H / M / L)	dB(A)	48 / 46 / 43	52 / 48 / 46	56 / 53 / 48	
Connecting Cable	Communication Cable (VCTF-SB)	mm ² x cores	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Power Supply	-	Ø, V, Hz	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60
	Running Current by Voltage	A	0.47 - 0.45 - 0.43	0.67 - 0.64 - 0.61	0.99 - 0.95 - 0.91

NOTE :

1. Performance tested under EN14511

2. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

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

Accessories

Chassis	ARNU24GTYA4	ARNU36GTYA4	ARNU48GTYA4
Drain Pump		○	
Cassette Cover		-	
Refrigerant Leakage Detector		PRLDNVSO	
EEV Kit		-	
Multi-tenant Power Module		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO ₂ Sensor		-	
Ventilation Kit		-	
IR Receiver		-	
Zone Controller		-	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)		○	
Wi-Fi		PWFMD200	
Human Detection Sensor		-	
Floor Temperature Sensor		-	
Air Purification Kit		PTAHMPO	
Elevation Grille		-	

※ ○ : Applied, - : Not applied

Option : Refer to model name in table

SMART DUAL VANE CASSETTE



Features & Benefits

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

Key Applications

- Retail
- Restaurant
- Office
- Hotel
- Dormitory

New Design

Dual Vane Designs New Air Flow

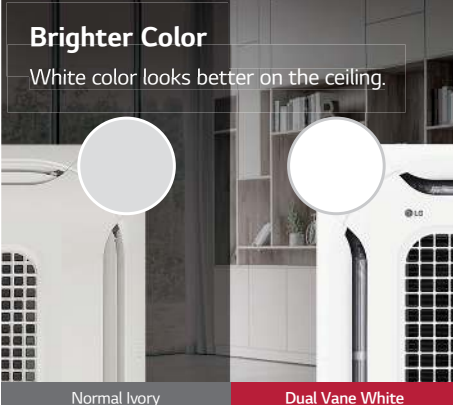
Air flow certified by the NET(New Excellent Technology) provides comfortable and convenient feeling.



Smart 4Way Dual Vane

Brighter Color


White color looks better on the ceiling.



Normal Ivory | Dual Vane White

Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.



33% SIZE UP

Normal 4Way: 21x8

Smart Dual Vane IDU: 24x4 (x2)

High Air flow & Low noise with Full 3D Fan

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

Normal 3D FAN



Sound (Turbo)	48 dB(A)
Sound (Low)	42 dB(A)
Power Input	102 W

Full 3D FAN

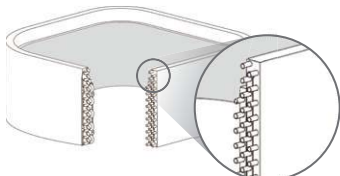


Sound (Turbo)	45 dB(A)
Sound (Low)	39 dB(A)
Power Input	89 W

High Efficient Heat Exchanger (HEX)

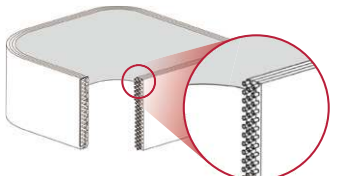
Ø5 High Density Heat Exchanger makes 10% cooling / heating efficiency.

Normal Ø7 HEX



Heat Transfer Area	3.32m ² (100%)
Tube Column	12 Column
Fin per Inch	19
Efficiency	100%

High Efficient Ø5 HEX





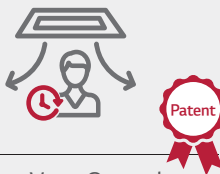


Heat Transfer Area	3.45m ² (104%)
Tube Column	18 Column
Fin per Inch	21
Efficiency	110%

SMART DUAL VANE CASSETTE

Various Airflow

Dual Vane leads the new types wind

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

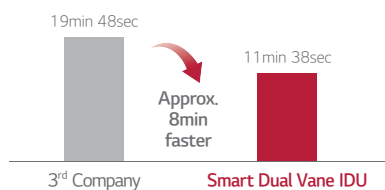
 <p>Fast and Quick Power Cooling</p>	 <p>Fresh and Natural Up / Down swing</p>	 <p>Auto Vane Control Smart mode</p>
 <p>Indirect cooling & Heating Indirect wind</p>	 <p>No need extra high ceiling kits Direct wind</p>	 <p>Provide high concentration Refresh mode</p>

Power Cooling

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



Reached time to set temperature



<Beginning Temperature 31°C, Approaching temperature 26°C>

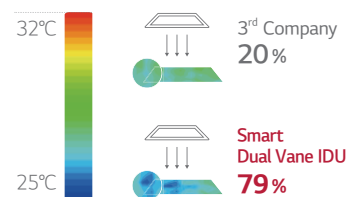
※ Smart Dual Vane Indoor Unit 14.5kW
 ※ Data Based on actual test of LG Test Chamber, single product test result
 (start temp. : 33°C, Setting Temp. : 26 °C, 3rd Company : Cooling Autoswing, LG : Natural Dual Swing Mode)

Up / Down swing

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



Cooling Temperature Distribution rate



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

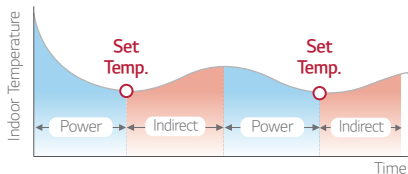
※ Smart Dual Vane Indoor Unit 14.5kW
 ※ Data Based on actual test of LG Test Chamber, single product test result
 (start temp. : 33°C, Setting Temp. : 26 °C, 3rd Company : Cooling Autoswing, LG : Natural Dual Swing Mode)

Smart mode

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



Change of airflow by Temperature



Indirect wind

Dual Vane designs indirect wind without separate airguide Kit.



Normal 4way with Air guide



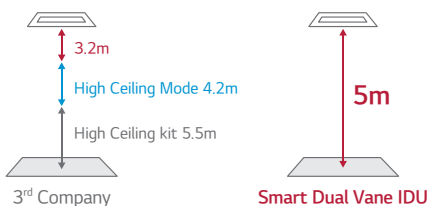
Smart Dual Vane IDU

Direct wind

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



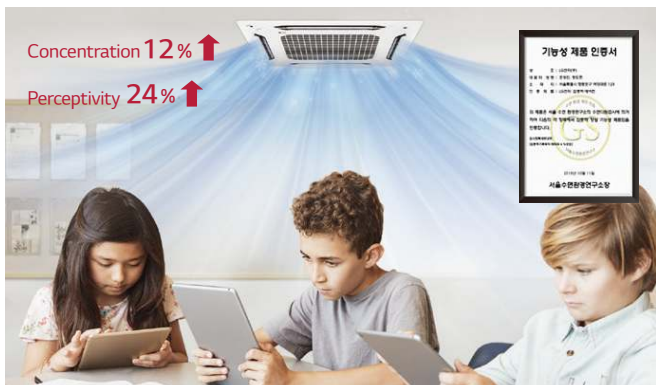
Comparison of flow height



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

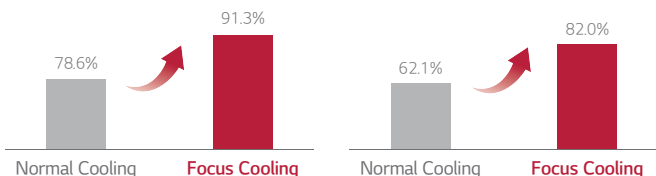
Refresh mode

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



Concentration Performance

Vocabulary Test Performance



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

SMART DUAL VANE CASSETTE


Various Airflow

Human detecting Direct / Indirect airflow

Human sensing function finds users to provide their favorite airflow.

Comfort Indirect


Prevent airflow to heading to user by sensing.



No touch
Indirect airflow
Comfort

Follow user Direct

Prefer air flow to heading to user by sensing.








Direct airflow
**2°C
Cooler**

※ Available only for products with Human Detecting sensor.

Human detecting On / Off Learning operation system

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

Operation On	Turning Off	Turning On
 <p style="text-align: center;">In office</p>	 <p style="text-align: center;">Absence</p>	 <p style="text-align: center;">In office</p>
<p>Learning time for Power saving Manageable set time 30min / 60min / 90min</p>	<p>↑ 2°C, running 25min (If set time 30min)</p> <p style="color: red; font-weight: bold;">Power saving</p>	<div style="text-align: center; background-color: red; color: white; border-radius: 50%; padding: 20px; width: 100px; margin: 0 auto;">  Max. 54% Power saving </div>
	<p>5min Absence → Turn off after 30min (Set turn off)</p> <p style="color: gray;">Learning time for Absence</p>	

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

Everyday High performance of Air cleaning

Air cleaning function makes clean spaces for everyday.

Air Cleaning Area
150.9 m²

Clean Air Delivery Rate (CADR)
19.6 m³/min

What is the CADR?

CADR is an universe figure of merit that is cubic feet per minute (CFM) of air that has had all the particles of a given size distribution removed.

CADR (Clean Air Delivery Rate)

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

INDOOR UNITS

Convenient and Powerful 5 Steps Air cleaning

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

Air cleaning kit

- Antibacterial kit
- Photocatalytic Deodorizing filter
- Dielectric Dust collecting filter

Dust electrification

Cycle / Management

Phase 5 Antibacterial Kit	No need
Phase 4 Deodorizing Filter	6 months / Dry
Phase 3 Ultra Fine Dust Kit	6 months / Washable
Phase 2 Dust Electrification	-

Air cleaning panel

- Pre-filter
- PM 1.0 Dust Sensor**
- Electrical diffusion makes dustelectrification.
- Air condition LED Status**

Phase 1 | Pre-filter

Easy removable pre-filter

SMART DUAL VANE CASSETTE

ARNU24GTBB4 / ARNU28GTBB4 / ARNU30GTBB4



Model	Unit	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4	
Cooling Capacity	kW	7.1	8.2	9.0	
	Btu/h	24,200	28,000	30,700	
Heating Capacity	kW	8.0	9.2	10.0	
	Btu/h	27,300	31,500	34,100	
Power Input	H / M / L	32 / 27 / 20	37 / 30 / 22	48 / 36 / 25	
Running Current	H / M / L	0.31 / 0.26 / 0.21	0.34 / 0.28 / 0.22	0.43 / 0.34 / 0.25	
Fan	Type	3D Turbo Fan	3D Turbo Fan	3D Turbo Fan	
	Air Flow Rate (H/M/L)	m/min	18 / 17 / 15	19 / 17 / 15	21 / 19 / 16
Fan Motor	Type	-	Brushless DC	Brushless DC	
	Drive	-	Direct	Direct	
	Output	W	51	51	51
	No.		1	1	1
Dimensions	Net (W x H x D)	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Weight	Net	kg	21.0	21.0	21.0
Pre-Filter	Type	-	Long Life	Long Life	Long Life
	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connection	Gas	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Sound Pressure Level (H / M / L)		dB(A)	39.0 / 37.0 / 35.0	40.0 / 38.0 / 35.0	43.0 / 40.0 / 36.0
Sound Power Level (H / M / L)		dB(A)	46.0 / 44.0 / 42.0	50.0 / 46.0 / 43.0	53.0 / 50.0 / 45.0
Connecting Cable	Communication Cable (VCTF-SB)	mm ² x cores	1.0 - 1.5 x 2	1.0 - 1.5 x 2	1.0 - 1.5 x 2
Power Supply	#1	Ø, V, Hz	1, 220 - 230 - 240, 50	1, 220 - 230 - 240, 50	1, 220 - 230 - 240, 50
Decoration Panel (Accessory)	Model Name	-	PT-AAGW0 / PT-AFGW0	PT-AAGW0 / PT-AFGW0	PT-AAGW0 / PT-AFGW0
	Net Dimension	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5
	Exterior Color	-	Noble White	Noble White	Noble White

NOTE :

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

Accessories

Chassis	ARNU24GTBB4	ARNU28GTBB4	ARNU30GTBB4
Drain Pump		○	
Cassette Cover		PTDCA	
Refrigerant Leakage Detector		PRLDNVS0	
EEV Kit		-	
Multi-tenant Power Module		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO ₂ Sensor		-	
Ventilation Kit		-	
IR Receiver		-	
Zone Controller		-	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)		○	
Wi-Fi		PWFMD200	
Human Detection Sensor		PTVSA00	
Floor Temperature Sensor		○ (only with PT-AFGW0)	
Air Purification Kit		PTAHMPO (PT-AFGW0 panel required)	
Elevation Grille		-	

ARNU36GTAB4 / ARNU42GTAB4 / ARNU48GTAB4



Model		Unit	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Cooling Capacity		kW	10.6	12.3	14.1
		Btu/h	36,200	42,000	48,100
Heating Capacity		kW	11.9	13.8	15.9
		Btu/h	40,600	47,000	54,200
Power Input	H / M / L	W	69 / 49 / 37	97 / 69 / 49	110 / 76 / 61
Running Current	H / M / L	A	0.62 / 0.46 / 0.36	0.85 / 0.62 / 0.46	0.95 / 0.69 / 0.56
Fan	Type		3D Turbo Fan	3D Turbo Fan	3D Turbo Fan
	Air Flow Rate (H/M/L)	m ³ /min	29 / 26 / 22	33 / 29 / 26	34 / 30 / 28
Fan Motor	Type	-	Brushless DC	Brushless DC	Brushless DC
	Drive	-	Direct	Direct	Direct
	Output	W	135	135	135
		No.	1	1	1
Dimensions	Net (W x H x D)	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Weight	Net	kg	26.0	26.0	26.0
Pre-Filter	Type	-	Long Life	Long Life	Long Life
Piping Connection	Liquid	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Sound Pressure Level (H / M / L)		dB(A)	43.0 / 40.0 / 37.0	47.0 / 43.0 / 40.0	48.0 / 44.0 / 42.0
Sound Power Level (H / M / L)		dB(A)	54.0 / 51.0 / 47.0	56.0 / 53.0 / 49.0	58.0 / 54.0 / 53.0
Connecting Cable	Communication Cable (VCTF-SB)	mm ² x cores	1.0-1.5 x 2	1.0-1.5 x 2	1.0-1.5 x 2
Power Supply	#1	Ø, V, Hz	1, 220 - 230 - 240, 50	1, 220 - 230 - 240, 50	1, 220 - 230 - 240, 50
Decoration Panel (Accessory)	Model Name	-	PT-AAGW0 / PT-AFGW0	PT-AAGW0 / PT-AFGW0	PT-AAGW0 / PT-AFGW0
	Net Dimension	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Net Weight	kg	7.1 / 7.5	7.1 / 7.5	7.1 / 7.5
	Exterior Color	-	Noble White	Noble White	Noble White

NOTE :

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

Accessories

Chassis	ARNU36GTAB4	ARNU42GTAB4	ARNU48GTAB4
Drain Pump		○	
Cassette Cover		PTDCA	
Refrigerant Leakage Detector		PRLDNV50	
EEV Kit		-	
Multi-tenant Power Module		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO ₂ Sensor		-	
Ventilation Kit		-	
IR Receiver		-	
Zone Controller		-	
Dry Contact (with Additional Accessory)	PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)		○	
Wi-Fi		PWFMDD200	
Human Detection Sensor		PTVSAAO	
Floor Temperature Sensor		○ (only with PT-AFGW0)	
Air Purification Kit		PTAHMPO (PT-AFGW0 panel required)	
Elevation Grille		-	

CEILING MOUNTED CASSETTE



Features & Benefits

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

Key Applications

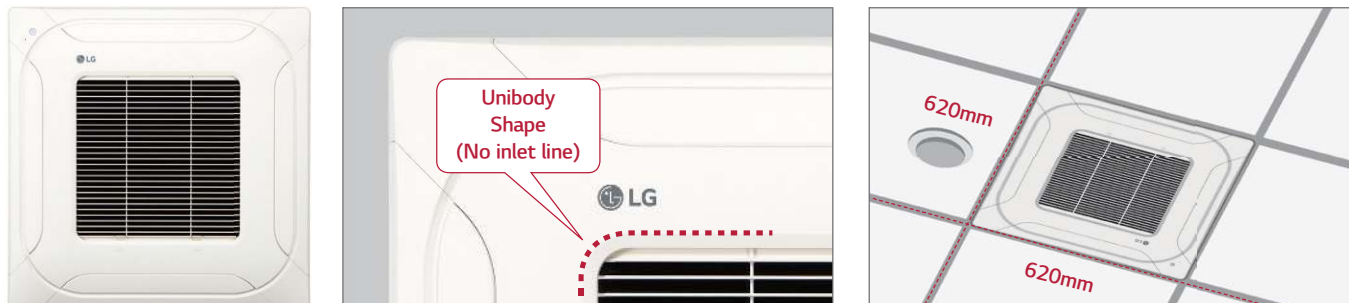
- Retail
- School
- Office
- Hotel
- Dormitory
- Restaurant

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

※ ○ : Applied, - : Not applied

Compact and Stylish Design

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

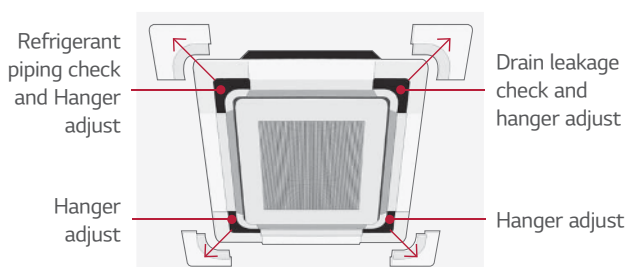


INDOOR UNITS

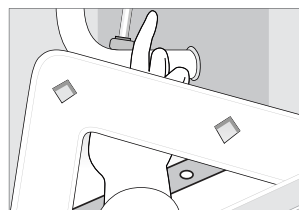
Convenient Panel Installation

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

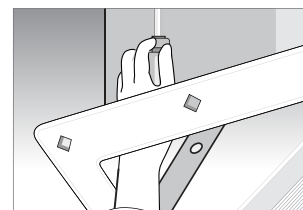
Detachable Corner Design



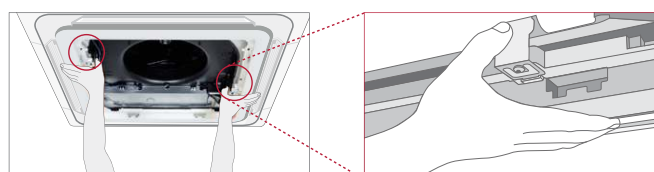
Drain leakage check



Hanger adjust

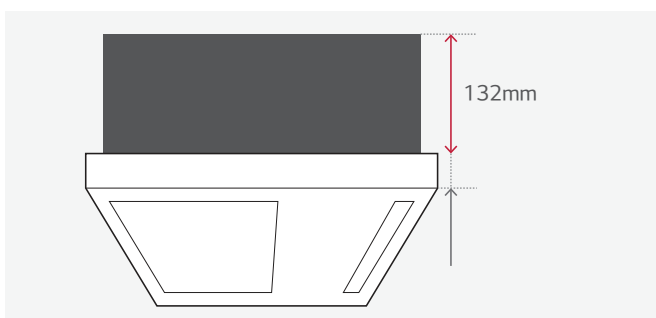


It is easy to install the panel to the body, using the button type panel design.



Minimized Height

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



Size Comparison

(Unit : mm)

	A company	B company	LG
1 Way cassette	215	230	132

CEILING MOUNTED CASSETTE

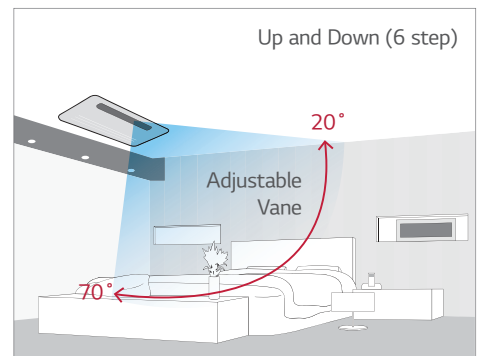
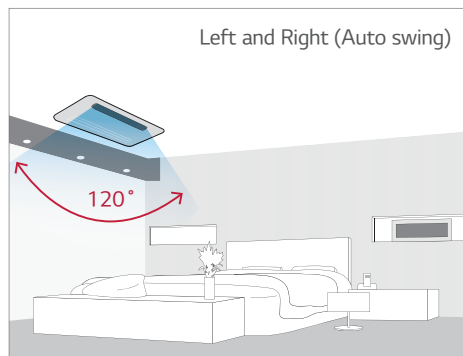
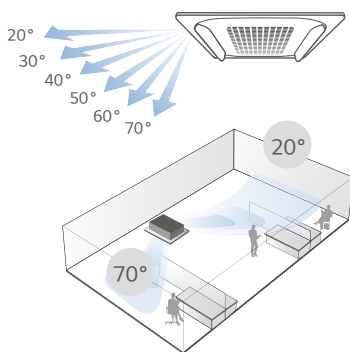
Independent Vane Control

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



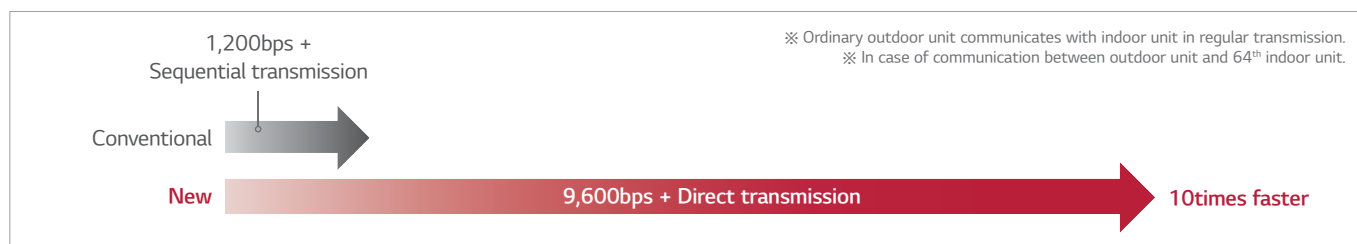
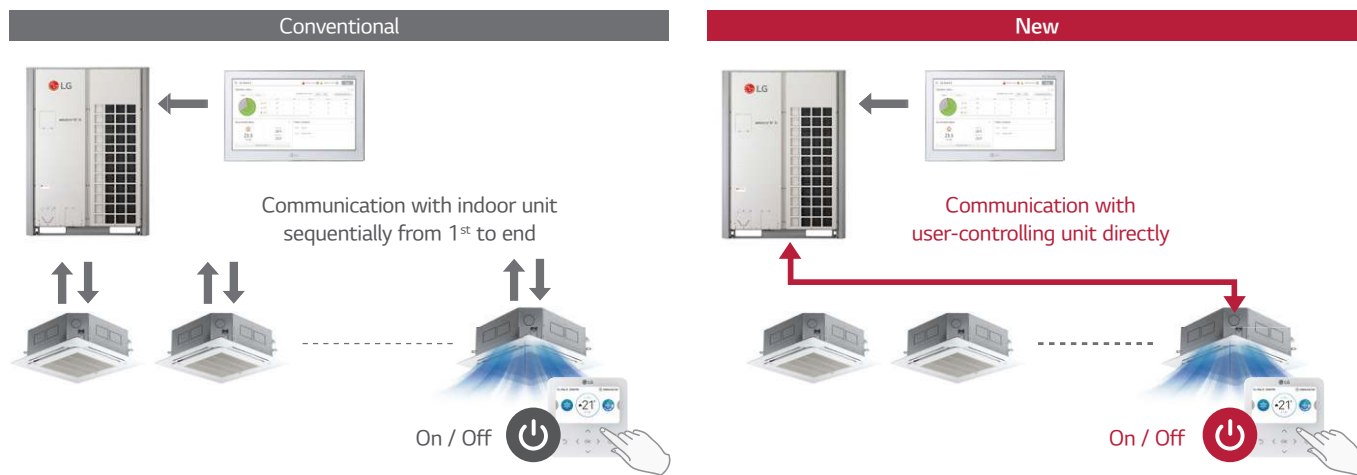
6-Step Vane Control

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



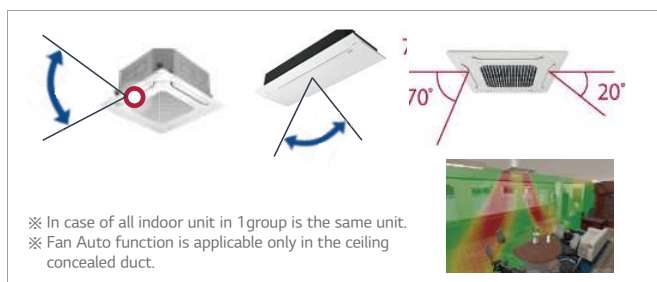
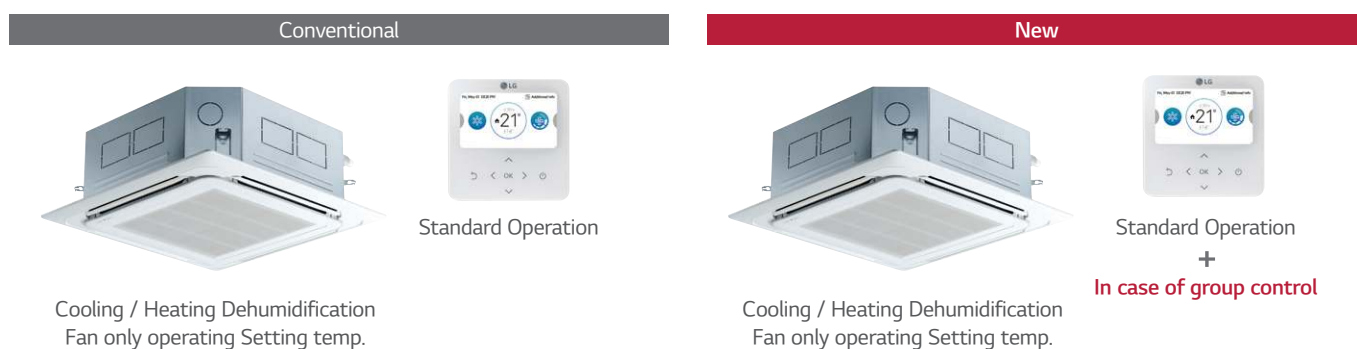
Quick Control

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



Group Control

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



4 Way CASSETTE (570 X 570)

ARNU05GTRB4 / ARNU07GTRB4 / ARNU09GTRB4 / ARNU12GTRB4



Model	Unit	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4	
Cooling Capacity	kW	1.6	2.2	2.8	3.6	
	Btu/h	5,500	7,500	9,600	12,300	
Heating Capacity	kW	1.8	2.5	3.2	4.0	
	Btu/h	6,100	8,500	10,900	13,600	
Power Input	H / M / L	W	13 / 12 / 11	14 / 13 / 12	17 / 15 / 13	
Dimensions (W x H x D)	Body	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	
	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Fan	Motor Output x Number	W	43 x 1	43 x 1	43 x 1	
	Air Flow Rate (H / M / L)	m ³ /min	7.5 / 7.0 / 6.6	7.5 / 7.0 / 6.6	8.0 / 7.5 / 7.1	8.7 / 8.0 / 7.0
	Drive		Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Net Weight	Body	kg (lbs)	12.6 (27.8)	12.6 (27.8)	13.7 (30.2)	13.7 (30.2)
Sound Pressure Levels (H / M / L)		dB(A)	29 / 27 / 26	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27
Sound Power Levels (H / M / L)		dB(A)	47 / 46 / 45	47 / 46 / 45	48 / 46 / 45	51 / 48 / 45
Power Supply		Ø, V, Hz	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60
Transmission Cable		mm ²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Decoration Panel (Accessory)	Model Name	-	PT-QAGW0	PT-QAGW0	PT-QAGW0	PT-QAGW0
	Net Dimension	mm	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620	620 x 35 x 620
	Net Weight	kg	2.9	2.9	2.9	2.9
	Exterior Color	-	Morning Fog	Morning Fog	Morning Fog	Morning Fog

Note :

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

Accessories

Chassis	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Drain Pump			○	
Cassette Cover			PTDCQ	
Refrigerant Leakage Detector			PRLDNVS0	
EEV Kit			PRGK024A0 (-4.5kW)	
Multi-tenant Power Module			PINPMB001	
Robot Cleaner			-	
Pre Filter (Washable)			○	
Ion Generator			-	
CO ₂ Sensor			-	
Ventilation Kit			PTVK430	
IR Receiver			-	
Zone Controller			-	
Dry Contact (with Additional Accessory)			PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)			○	
Wi-Fi			PWFMD200	

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

ARNU15GTQB4 / ARNU18GTQB4 / ARNU21GTQB4



Model	Unit	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Cooling Capacity	kW	4.5	5.6	6.0
	Btu/h	15,400	19,100	20,500
Heating Capacity	kW	5.0	6.3	6.8
	Btu/h	17,100	21,500	23,200
Power Input	H / M / L	24 / 21 / 18	25 / 22 / 19	28 / 23 / 20
Dimensions (W x H x D)	Body	mm	570 x 256 x 570	570 x 256 x 570
	Type		Turbo Fan	Turbo Fan
Fan	Motor Output x Number	W	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m ³ /min	11.0 / 10.0 / 9.3	11.2 / 11.0 / 10.0
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Net Weight	Body	kg (lbs)	15.0 (33.1)	15.0 (33.0)
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 32	40 / 38 / 34
Sound Power Levels (H / M / L)		dB(A)	52 / 50 / 46	54 / 52 / 46
Power Supply	Ø, V, Hz		1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm ²	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Decoration Panel (Accessory)	Model Name	-	PT-QAGW0	PT-QAGW0
	Net Dimension	mm	620 x 35 x 620	620 x 35 x 620
	Net Weight	kg	2.9	2.9
	Exterior Color	-	Morning Fog	Morning Fog

Note :

1. Performance tested under EN14511

2. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

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

Accessories

Chassis	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Drain Pump		○	
Cassette Cover		PTDCQ	
Refrigerant Leakage Detector		PRLDNVS0	
EEV Kit		PRGK024A0 (~4.5kW)	
Multi-tenant Power Module		PINPMB001	
Robot Cleaner		-	
Pre Filter (Washable)		○	
Ion Generator		-	
CO ₂ Sensor		-	
Ventilation Kit		PTVK430	
IR Receiver		-	
Zone Controller		-	
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)		○	
Wi-Fi		PWFMD200	

※ ○ : Applied, - : Not applied

Option : Refer to model name in table

WALL MOUNTED UNIT



Features & Benefits

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

Key Applications

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

	Wall Mounted Unit	Artcool Mirror	Artcool Gallery	Standard
Smart	Wi-Fi	○	○	○
Energy Efficiency	Energy Display	○	○	○
Fast Cooling & Heating	Jet Cool	○	○	○
	Auto Swing (Up & Down)	○	○	○
Health	Ionizer	○	-	○ -7.1kW Only
	Pre Filter	○	○	○
	Auto Cleaning	○	○	○
Comfort	Sleep Mode	○	○	○
	Timer (On / Off)	○	○	○
	Timer (Weekly)	○	○	○
	Two Thermistor Control	○	○	○
	Group Control	○	○	○

※ ○: Applied, -: Not applied

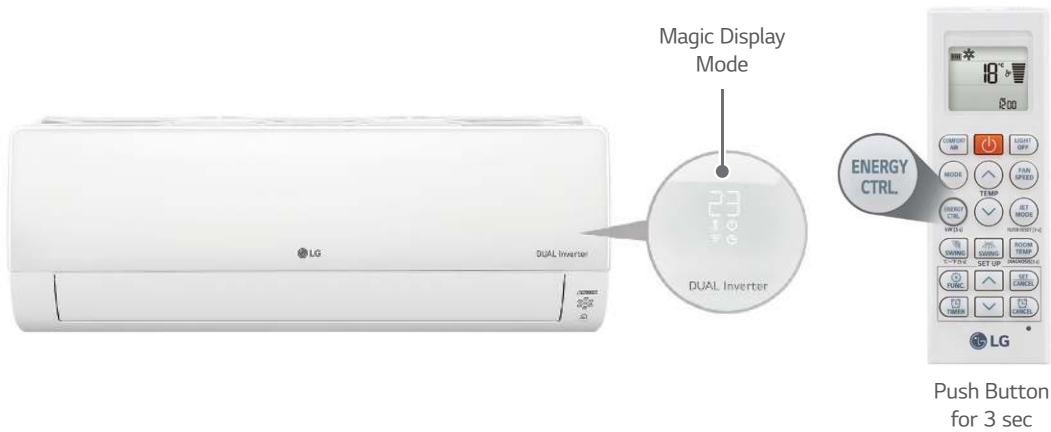
Energy Display

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

※ Specifications may vary for each model.

Magic Display & Remote Control

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



Normal Mode
Current Setting Temp.



Electric Power
Displays Current Energy Use



Fan Speed

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

Sleep Mode



For example, setting 1hr

WALL MOUNTED UNIT

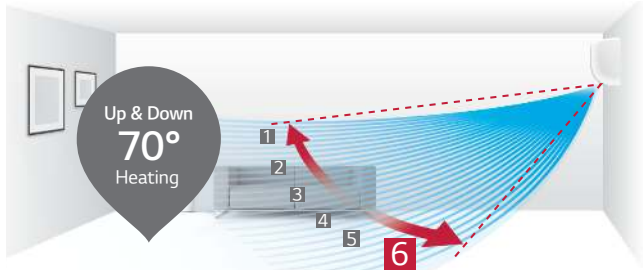
4 Way Swing

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

※ Specifications may vary for each model.

6-Step Vane, Control up to 70°

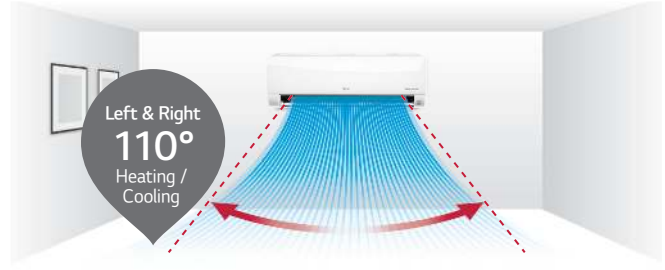
The vertical vane, which moves up and down, has 6 different settings including full swing.



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

Control up to 110°

The louver can be adjusted by manual.



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

Easy and Simple Control

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



Up / Down Swing

Jet Cool

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

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

One Click "Jet Mode"

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



More Powerful Performance

By reducing the second vortex, which decreases airflow within the air outlet, and enlarging the fan size, the amount of airflow is increased to 13.0 CMM.



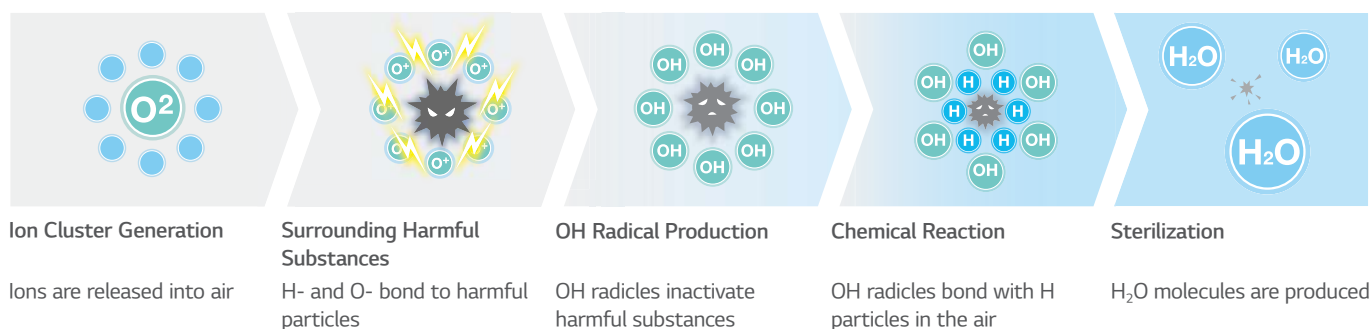
Ionizer PLUS

The powerful Ionizer protects you from bad odors and harmful and contagious particles in the air with over 3 million ions to sterilize not only the air passing through the air conditioner, but also surrounding surfaces for a safer, and cleaner environment.

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

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

Ionizer+ reduces harmful and contagious microscopic particles by infusing the air passing through the air conditioner with over 3 million ions.



INDOOR UNITS

Sterilization Performance Evaluations

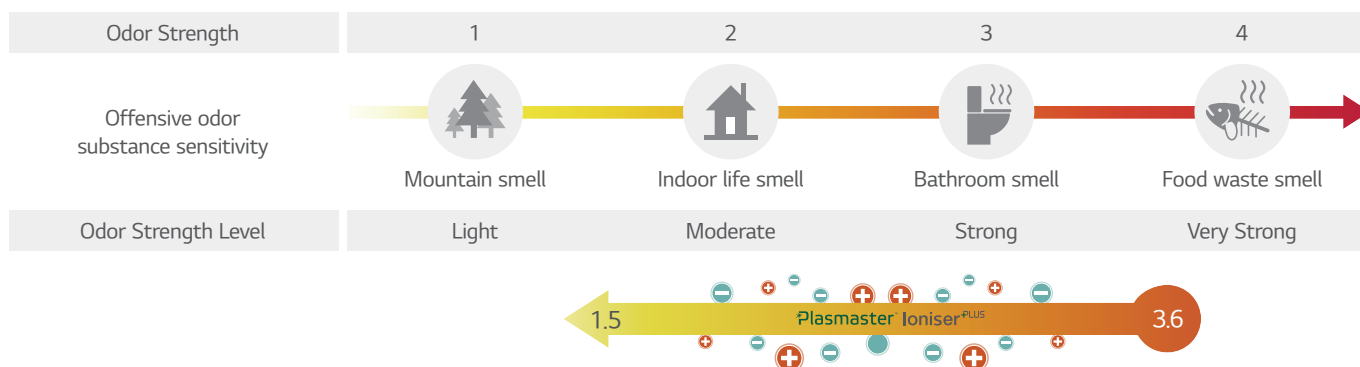
Sterilize Bacteria (E.coli colon bacillus) over 99.9% in 30 min.



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

2.1 odor strength decrease in 60 minutes

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



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

WALL MOUNTED UNIT

Auto Cleaning

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

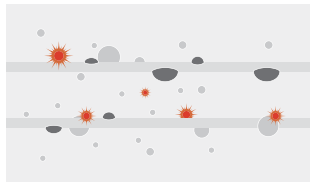
Pain Point

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

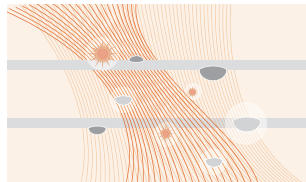


Cleans Filter with Regular Airflow

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



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



The indoor environment remains odorless with the advanced deodorizing function.



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

Removes Harmful Particles

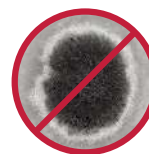
Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.



Bacteria Prevention



Odor Elimination

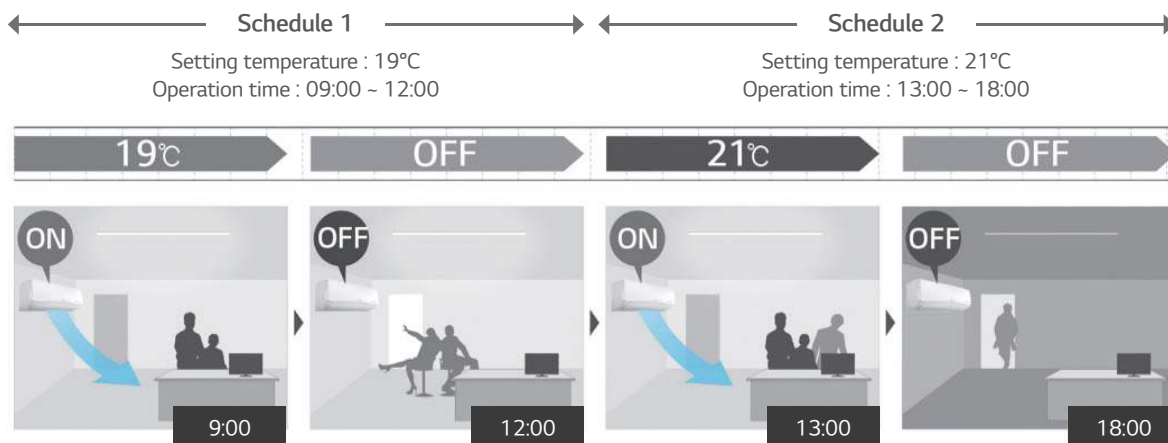


Mold Elimination

Scheduled Operation

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

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



INDOOR UNITS

Two Thermistors Control

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



Group Control

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



Cooling / Heating Dehumidification
 Fan only operating Setting temp.



Standard Operation
 +
In Case of Group Control

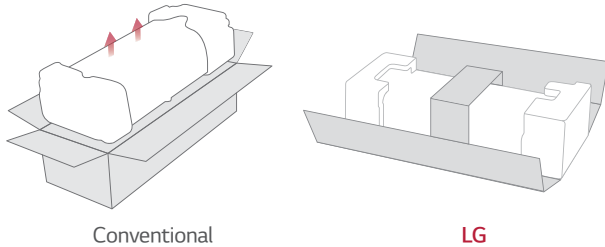
WALL MOUNTED UNIT

Quick & Easy Installation

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

※ Specifications may vary for each model.

One Simple Packing Box



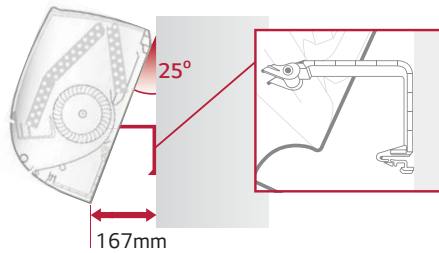
Installation Plate Improvement

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



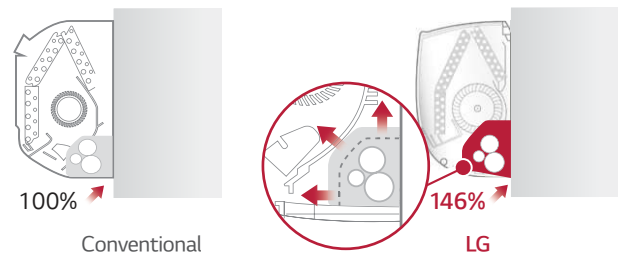
Installation Support Clip

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



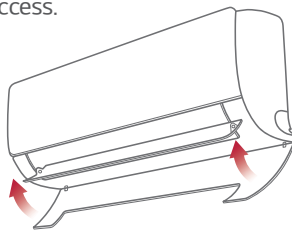
Wider Tubing Space

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



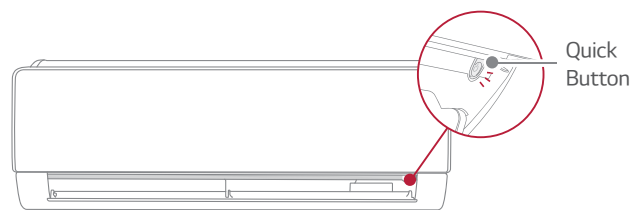
Detachable Bottom Cover

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



Quick button for running test

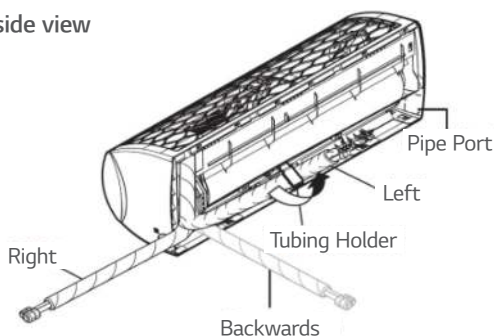
The test button is conveniently located and easy to find.



3 Way Flexible Installation

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

Back side view



Wi-Fi Control

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

ThinQ

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

Integrated Home Appliances Control

Control / Monitor all your LG appliances from one place.

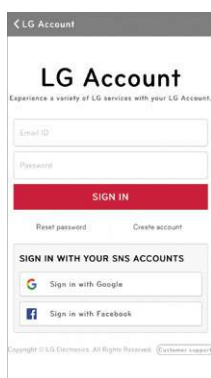


Access your air conditioner anytime and from anywhere with a Wi-Fi equipped device and LG's exclusive control app, ThinQ.



Easy Registration and Log-in

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



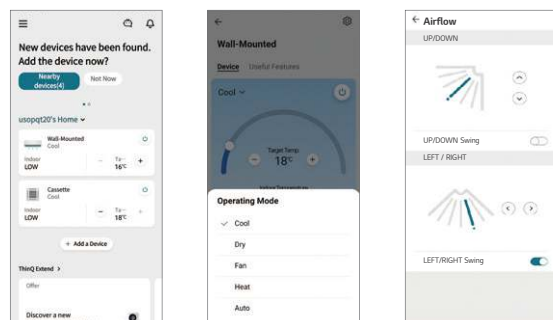
Wi-Fi Connectivity

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



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

Simple operation for various functions

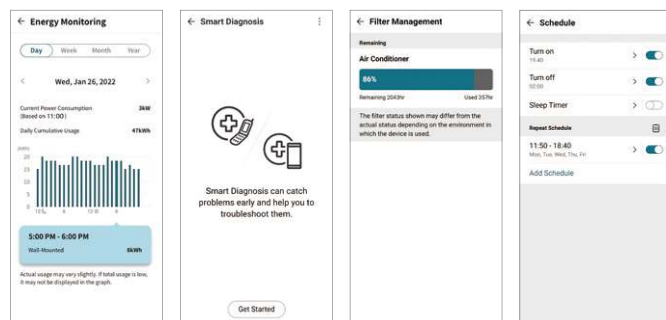


On / Off, Current Temp.

Mode, Set Temp.

Vane Control

Straight forward Management



Energy Monitoring

Smart Diagnosis

Filter Management

Reservation

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

STANDARD

ARNU05GSJN4 / ARNU07GSJN4 / ARNU09GSJN4 / ARNU12GSJN4 / ARNU15GSJN4



Model	Unit	ARNU05GSJN4	ARNU07GSJN4	ARNU09GSJN4	ARNU12GSJN4	ARNU15GSJN4	
Cooling Capacity	kW	1.6	2.2	2.8	3.6	4.5	
	Btu/h	5,500	7,500	9,600	12,300	15,400	
Heating Capacity	kW	1.8	2.5	3.2	4.0	5.0	
	Btu/h	6,100	8,500	10,900	13,600	17,100	
Power Input (H / M / L)	W	11 / 10 / 9	12 / 11 / 9	13 / 12 / 9	15 / 13 / 11	23 / 18 / 11	
Dimensions (W x H x D)	Body	mm	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	
	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	
Fan	Motor Output x Number	W	30 x 1	30 x 1	30 x 1	30 x 1	
	Air Flow Rate (H / M / L)	m ³ /min	6.8 / 6.5 / 5.9	7.2 / 6.8 / 5.9	7.8 / 7.2 / 5.9	8.5 / 7.8 / 6.8	10.5 / 9.5 / 6.8
	Drive		Direct	Direct	Direct	Direct	Direct
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
	Pre-Filter		Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)	Resin Net (washable)
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	
	Drain Pipe (ID)	mm (inch)	16 (5/8)	16 (5/8)	16 (5/8)	16 (5/8)	
Weight	Body	kg (lbs)	8.4 (18.5)	8.4 (18.5)	8.4 (18.5)	8.4 (18.5)	
	Shipping	kg (lbs)	11.3 (24.9)	11.3 (24.9)	11.3 (24.9)	11.3 (24.9)	
Sound Pressure Levels (H / M / L)	dB(A)	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32	
Sound Power Levels (H / M / L)	dB(A)	45 / 43 / 42	46 / 45 / 42	48 / 46 / 42	51 / 48 / 45	55 / 52 / 45	
Power Supply	Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60	
Transmission Cable	mm ²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	

* : N or C can be applied which has little bit different shape of panel.

NOTE :

1. Performance tested under EN14511

2. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

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

Accessories

Chassis	ARNU05GSJ*4	ARNU07GSJ*4	ARNU09GSJ*4	ARNU12GSJ*4	ARNU15GSJ*4
Drain Pump					
Cassette Cover					
Refrigerant Leakage Detector			PRLDNV50		
EEV Kit			PRGK024A0		
Multi-tenant Power Module			PINPMB001		
Robot Cleaner					
Pre Filter (Washable)			○		
Ion Generator			○		
CO ₂ Sensor			-		
Ventilation Kit			-		
IR Receiver			-		
Zone Controller			-		
Dry Contact (with Additional Accessory)			PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)			○		
Wi-Fi			○		

※ ○ : Applied, - : Not applied

Option : Refer to model name in table

STANDARD

ARNU18GSKN4 / ARNU24GSKN4



Model		Unit	ARNU18GSKN4	ARNU24GSKN4
Cooling Capacity		kW	5.6	7.1
		Btu/h	19,100	24,200
Heating Capacity		kW	6.3	7.5
		Btu/h	21,500	25,600
Power Input (H / M / L)		W	32 / 26 / 16	39 / 26 / 16
Dimensions (W x H x D)		mm	975 x 354 x 209	975 x 354 x 209
Fan	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W	58 x 1	58 x 1
	Air Flow Rate (H / M / L)	m ³ /min	14.0 / 12.0 / 10.5	15.2 / 12.7 / 10.5
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (ID)	mm (inch)	16 (5/8)	16 (5/8)
Weight	Body	kg (lbs)	12.2 (26.9)	12.2 (26.9)
	Shipping	kg (lbs)	16.0 (35.3)	16.0 (35.3)
Sound Pressure Levels (H / M / L)		dB(A)	43 / 39 / 34	46 / 41 / 34
Sound Power Levels (H / M / L)		dB(A)	59 / 56 / 52	63 / 56 / 52
Power Supply		Ø, V, Hz	1, 220 - 230 - 240, 50/60	1, 220 - 230 - 240, 50/60
Transmission Cable		mm ²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C

* : N or C can be applied which has little bit different shape of panel.

NOTE :

1. Performance tested under EN14511

2. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

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

Accessories

Chassis	ARNU18GSKN4	ARNU24GSKN4
Drain Pump		-
Cassette Cover		-
Refrigerant Leakage Detector		PRLDNV50
EEV Kit		PRGK024A0
Multi-tenant Power Module		PINPMB001
Robot Cleaner		-
Pre Filter (Washable)		○
Ion Generator		○
CO ₂ Sensor		-
Ventilation Kit		-
IR Receiver		-
Zone Controller		-
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)
External Input (1 point)		○
Wi-Fi		○

※ ○ : Applied, - : Not applied

Option : Refer to model name in table

ARNU30GSVA4 / ARNU36GSVA4



Model		Unit	ARNU30GSVA4	ARNU36GSVA4
Cooling Capacity		kW	8.8	10.4
		Btu/h	30,000	35,500
Heating Capacity		kW	9.4	10.8
		Btu/h	32,000	37,000
Power Input (H / M / L)		W	54 / 43 / 31	85 / 51 / 36
Dimensions (W x H x D)	Body	mm	1,190 × 346 × 265	1,190 × 346 × 265
	Type		Cross Flow Fan	Cross Flow Fan
Fan	Motor Output x Number	W	113 × 1	113 × 1
	Air Flow Rate (H / M / L)	m ³ /min	23.0 / 20.0 / 17.0	26.0 / 23.0 / 19.0
	Drive		Direct	Direct
	Motor Type		BLDC	BLDC
Pre-Filter			Resin Net (washable)	Resin Net (washable)
Pipe Connections	Liquid Side	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain Pipe (ID)	mm (inch)	16 (5/8)	16 (5/8)
Weight	Body	kg (lbs)	16.6 (35.6)	16.6 (35.6)
	Shipping	kg (lbs)	-	-
Sound Pressure Levels (H / M / L)		dB(A)	49 / 44 / 42	52 / 47 / 43
Sound Power Levels (H / M / L)		dB(A)	60 / 60 / 56	63 / 60 / 58
Power Supply		Ø, V, Hz	1, 220 ~ 230 ~ 240, 50/60	1, 220 ~ 230 ~ 240, 50/60
Transmission Cable		mm ²	1.0 ~ 1.5 × 2C	1.0 ~ 1.5 × 2C

NOTE :

1. Performance tested under EN14511

2. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

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

Accessories

Chassis	ARNU30GSVA4	ARNU36GSVA4
Drain Pump		-
Cassette Cover		-
Refrigerant Leakage Detector		PRLDNVSO
EEV Kit		-
Multi-tenant Power Module		PINPMB001
Robot Cleaner		-
Pre Filter (Washable)		○
Ion Generator		-
CO ₂ Sensor		-
Ventilation Kit		-
IR Receiver		-
Zone Controller		-
Dry Contact (with Additional Accessory)		PDRYCB000 (1 point contact), PDRYCB320, PDRYCB400 (2 points input), PDRYCB500 (Modbus)
External Input (1 point)		○
Wi-Fi		PWFMD200 ¹⁾

※ ○ : Applied, - : Not applied

Option : Refer to model name in table

1) External installation only

CONTROL SOLUTIONS



Standard II Wired Remote Controller

Features & Benefit

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



PREMTB001 (White)

PREMTBB01 (Black)

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

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

※ ○ : Applied, - : Not Applied

1) For ceiling type ducted unit.

2) This function requires PDI (PQNUD1S40 / PPWRDB000) to be installed.

Note : Indoor unit needs to have functions requested by the controller.

Simple Wired Remote Controller

Features & Benefit

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



PQRCVCLOQW (White) /
PQRCVCLOQ (Black)

PQRCHCAOQW (White) /
PQRCHCAOQ (Black)

- Small remote control with minimal functionality.

Model Name	PQRCVCLOQW / PQRCVCLOQ	PQRCHCAOQW / PQRCHCAOQ
On / Off	○	○
Fan Speed Control	○	○
Temperature Setting	○	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan	-
Auto Swing	○	○
Vane Control (Louver direction)	○	○
E.S.P (External Static Pressure)	○	○
Electric Failure Compensation	○	○
Child Lock	○	○
Indoor Temperature Display	○	○
Wireless Remote Controller Receiver	○ ¹⁾	○ ¹⁾
Size (W x H x D, mm)	70 x 121 x 16	70 x 121 x 16
Blacklight	○	○

※ ○ : Applied, - : Not Applied

1) For ceiling type ducted unit.

Note : Indoor unit needs to have functions requested by the controller.

Wireless Remote Controller

Features & Benefit



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

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

Model Name	PWLSSB21H (H/P) / PWLSSB21C (C/O)
On / Off	○
Fan Speed Control	○ ¹⁾
Temperature Setting	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan
Additional Mode Setting	Plasma Purification / Energy-Saving Cooling / Robot Cleaning / Auto Dry
Auto Swing	○
Vane Control (Louver direction)	○
Reservation	Sleep / On / Off
Time Display	○
Indoor Temperature Display	○
Sleep Mode Auto	Max. 7 hours
Size (W x H x D, mm)	51 x 153 x 26

※ ○ : Applied, - : Not Applied

1) For some products, you can use "slow" fan speed function.

CENTRALIZED CONTROL



CENTRALIZED CONTROL

AC EZ Touch

Features & Benefit

Smart management with 5 inch touch screen for small site.



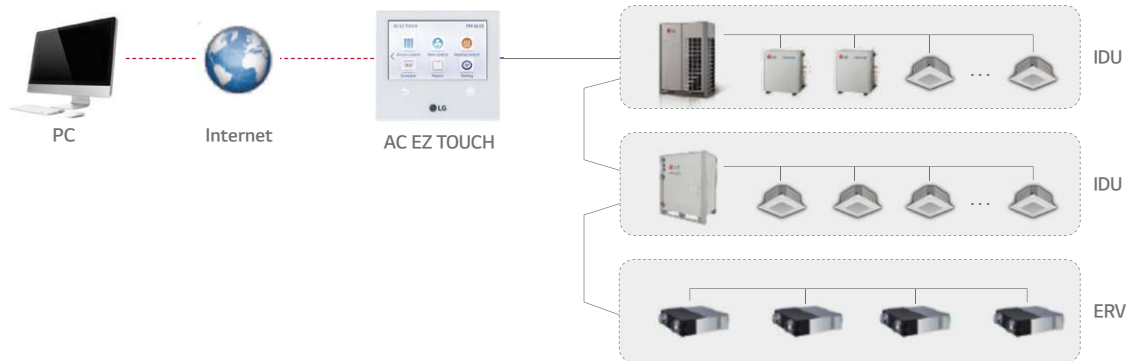
PACEZA000

- Remote Access with Graphical User Access Control
- Total 200 Schedule Events
- Energy saving mode
- Energy Monitoring (with PDI)
- 2 Set point function (Upper / Lower Temperature setting)
- Temperature Set points Range Limit
- Remote Controller Lock (All, Temp, Mode, Fan Speed)
- Operation History
- Change alarm (Filter change)
- Emergency stop

Model Name	PACEZA000
Size (W x H x D, mm)	137 x 121 x 25
Interfaceable Products	MULTI V / ERV / ERV DX / HYDRO KIT / THERMA V
Maximum number of units	64
Individual / Group Control	On & Off / Mode / Temperature / Fan speed
Individual Controller Lock	Temperature / Mode / Fan speed / All
Error Check	○
Slave Mode (Interlocking with higher level controller)	○
Schedule	Weekly / Monthly / Yearly / Exception day
Remote Access	By client S/W
Emergency Stop & Alarm Display	○
Power Consumption Monitoring (with PDI)	○
Auto Changeover / Setback	○
Temperature Limit	○
Operation History	Error record
ODU Low Noise ¹⁾	○
Daylight Saving Time	○
External IO Port	DI 1
IPv6 Support	○

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

Overview



Feature

PC Access

Users can control each space efficiently through PC access.



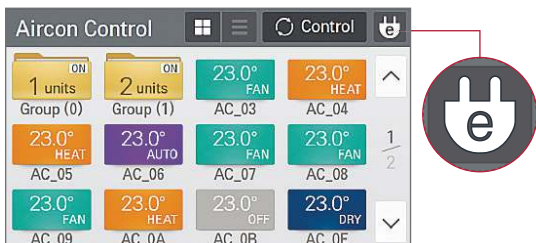
Energy Statistics (with PDI)

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

Energy		
2016. 2. 8 ~ 2016. 3. 19		
Today Week Month		
Name	Usage(kWh)	Accumulated(kWh)
Group1	110	3021
Group2	150	6186
Group3	130	4267
Group4	120	7614

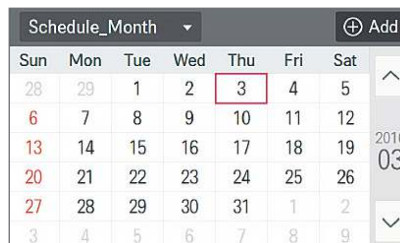
Energy Mode

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



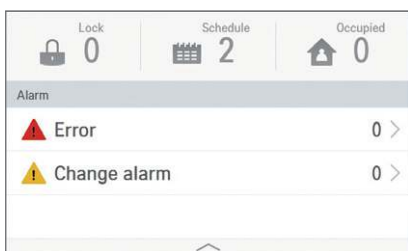
Schedule

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



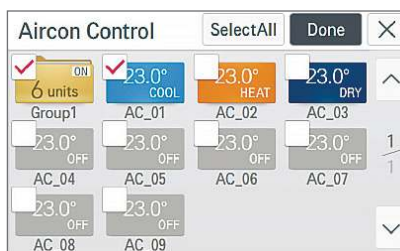
Alarm Indicator

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



Group / Individual Control

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



AC EZ

Features & Benefit

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

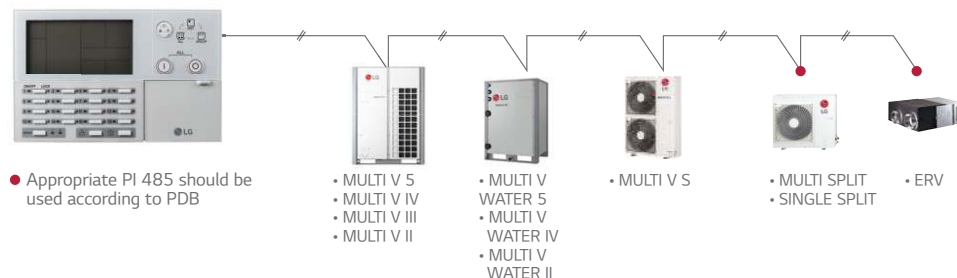


PQCSZ250S0

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

Model Name	PQCSZ250S0
Size (W x H x D, mm)	190 x 120 x 20
Interface Products	MULTI V / ERV / ERV DX
Display	LED / LCD Display
Power	DC 12V
Maximum number of units	32
Individual / Group Control	On & Off / Mode / Temperature / Fan speed
Individual Controller Lock	All
Error Check	○
Slave Mode (Interlocking with higher level controller)	○
Schedule	Weekly

※ ○ : Applied, - : Not Applied



CENTRALIZED CONTROL

AC SMART 5

Features & Benefit

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



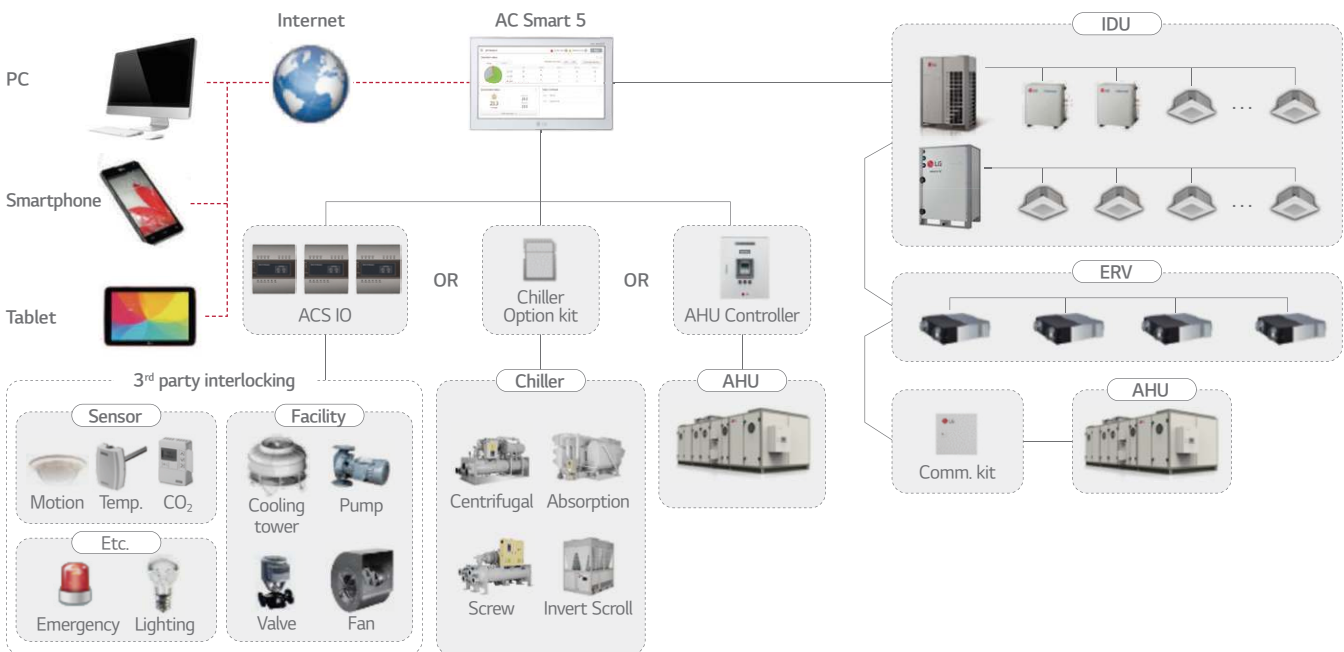
PACSS5A000

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

Model Name	PACSS5A000
Size (W x H x D, mm)	253.2 x 167.7 x 28.9
Interfaceable Products	MULTI V / ERV / ERV DX / HYDRO KIT / THERMA V / AHU kit / LG Chiller ¹⁾
Maximum number of units	128
Individual / Group Control	On & Off / Mode / Temperature / Fan speed
Individual Controller Lock	Temperature / Mode / Fan speed / All
Advanced Function Setting and Display ²⁾	Comfort Cooling / ODU Low Noise / ODU Defrost Mode / Comfort Level display / CO ₂ Level display (for ERV / ERV DX) / Night Time Free Cooling (for ERV / ERV DX)
Error Check	○
Slave Mode (Interlocking with higher level controller)	○
Schedule	Weekly / Monthly / Yearly / Exception day
Web Access	○
Emergency Stop & Alarm Display	○
Power Consumption Monitoring (with PDI)	○
Auto Changeover / Setback	○
Temperature Limit	○
Operation Time Limit	○
Visual Navigation	○
Operation Trend	○
Interlock Control	○
Virtual Group Control	○
ODU Capacity Control	○
Energy Navigation (with PDI)	○
Daylight Saving Time	○
External IO Port	DI 2 / DO 2
BMS Integration ³⁾	BACnet IP / Modbus TCP
IPv6 Support	○

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

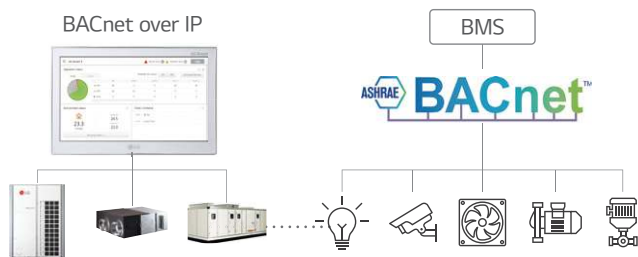
Overview



Feature

BMS Integration

Without additional device, AC Smart 5 provides BACnet IP / Modbus TCP interface for BMS (Building Management System) integration as well as its own management function.



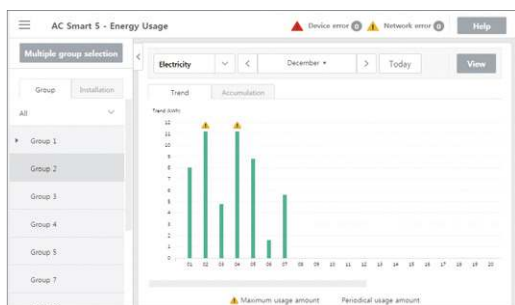
Advanced Network Accessibility

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



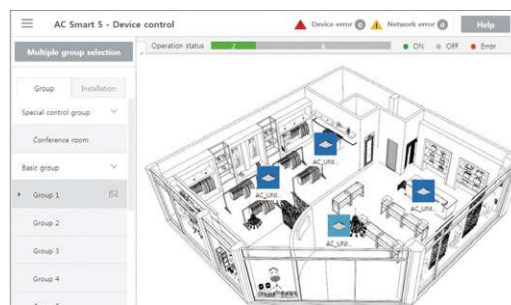
Energy Management / Operation Trend

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



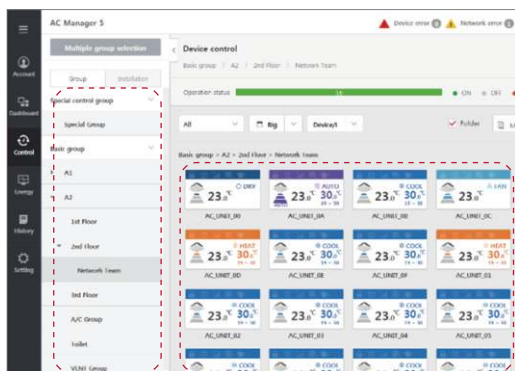
Visualized Control

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



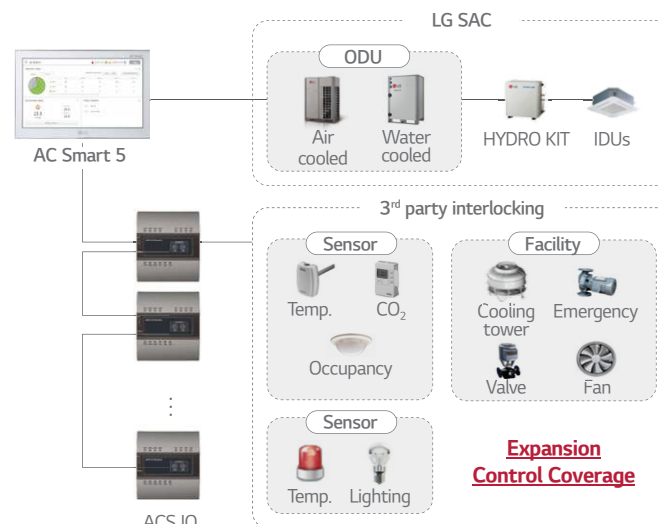
Multi Level Group Composition

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



Interlocking with 3rd party equipment

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



CONTROL SOLUTIONS

Expansion Control Coverage

MECHANICAL ACCESSORIES

Multi-tenant Power Module

Key Features

System operation is stable when indoor unit power is lost.



- Multi-tenant site IDUs are powered separately, some of IDU power is gone by each tenant. In this case, system operation is not stable without Multi-tenant Power Module.
- This module power each EEV for stabilizing system operation.

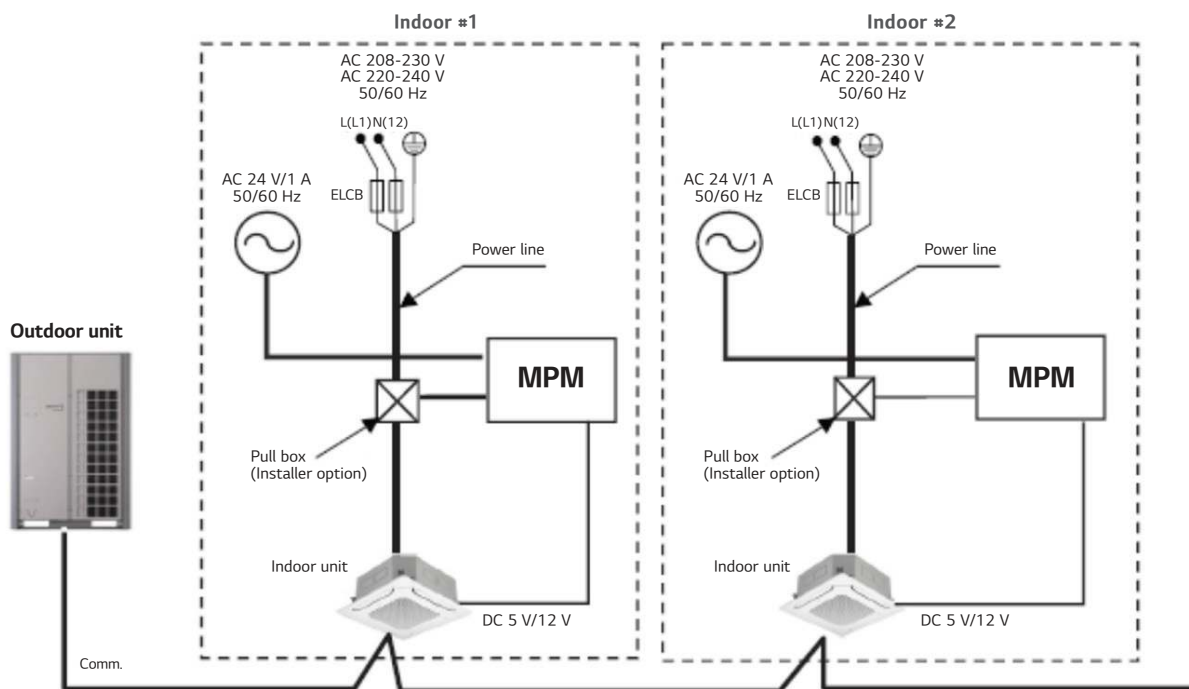
Model Name

PINPMB001

Applied Products

MULTI V INDOOR UNITS

Installation Scene



※ When Multi-tenant Power Module is adopted, CN-EXT must be used for it. Instead of being used CN-EXT, PDRYCB000 (220Vac input) / PDRYCB100 (24Vac Input) Module are being used for Single contact.