LG Electronics

Ahead of the Expected
with LG HVAC Solutions



MULTI V™ 5 PRO II

Total Air Solution Provider

LG

www.lg.com/vn/business | www.partner.lge.com

☐ Cooling Only

Features	Appearance	8	10	12	14	16	18	20	22	24	26			28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	...	96	...	104
MULTI V 5 PRO II • Dual Sensing Control • Large capacity ODU (Up to 26 HP) • Compact footprint & Light Weight • Black Fin heat exchanger • Large space, Individual control building Shopping mall Education Office		☐	☐	☐	☐																																							
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MULTI V™ 5 PRO II

Highlight

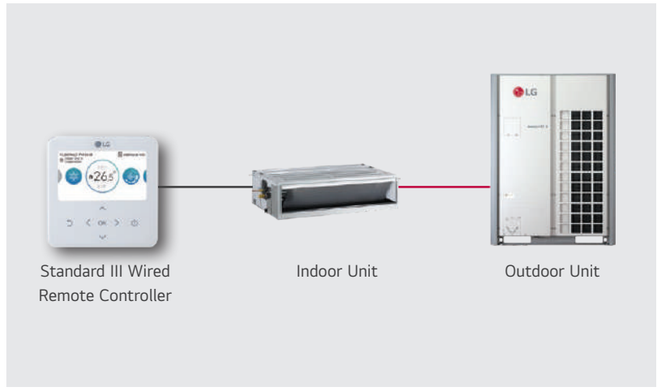
Higher Energy Efficiency	High Reliability	Low Noise	Advanced Performance

- Air Cooled VRF Cooling Only
- Flexible Combination of Outdoor Units
- Biggest Combination Capacity



Dual Sensing Smart Load Control

MULTI V 5 PRO II can operate by sensing indoor temperature and humidity to save energy and provide comfort.



Indoors

Temperature Humidity

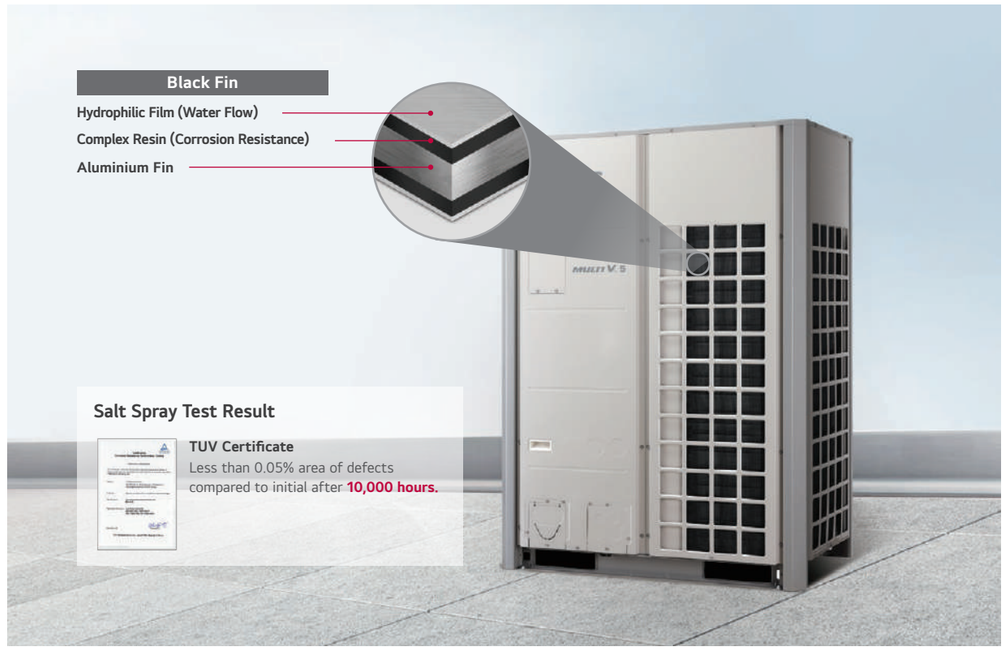
Outdoors

Temperature

※ The Standard III Wired Remote Controller is required for this function.
※ The controller is sold separately as an accessory.

Corrosion Resistance

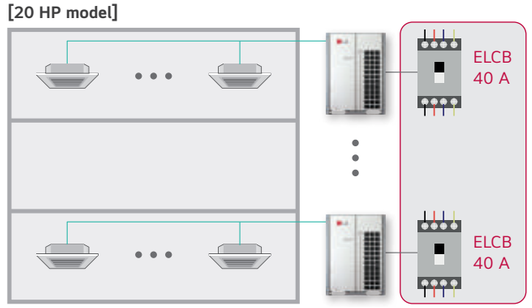
The Black Fin is applied for strong protection from various corrosive external conditions such as salt contamination and air pollution including fumes.



Low ELCB Ampere

A lower MFA value can reduce ELCB costs during product installation and system maintenance.

[20 HP model]



Low MFA
Low ELCB
Low Cost

HP			16	20	22
MV 5 PRO II	TOCA	A	30	39	42
	MFA	A	32	40	45
Other Co.	TOCA	A	35	45	50[1)]
	MFA	A	35	45	50[1)]

1) This model is combined with two outdoor units.
※ The above images are for easy understanding and may be exaggerated.

Reliable Inverter Compressor

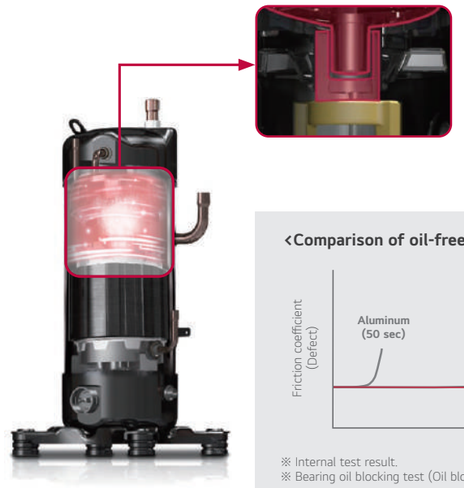
MULTI V 5 PRO II is equipped with the 5th generation compressor which has the outer bearing structure for high reliability. And the outer bearing is composed of steel and PEEK.

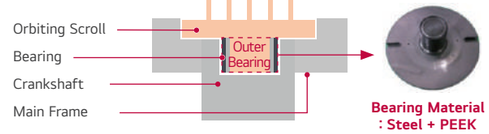
Enhanced Bearing Technology

- Reduced vibration and bearing loads
  : Outer bearing structure
- High heat tolerance & high stiffness material for bearing
  : Steel (inside) + PEEK (outside)
- Increased bearing performance in oil-free operation

<5th Gen. Compressor>







Bearing Material
: Steel + PEEK

<Comparison of oil-free operation time>

<Frequency Range in Cooling>



※ Internal test result.
※ Bearing oil blocking test (Oil blocking at 60 hz)

※ The PEEK is a semi-crystalline thermoplastic with excellent mechanical and chemical resistance properties that are retained to high temperatures.
※ The above images are for customer understanding, and may differ from the actual parts.

Wide Operation Range

MULTI V 5 PRO II is capable of continuous cooling operation in many countries thanks to its wide cooling operating range.

[Southeast Asia Region]



❶ **Yangon, Myanmar**
Max. 40.4℃DB / 28.6℃WB
Min. 13.3℃DB / 12.5℃WB

❷ **Bangkok, Thailand**
Max. 38.5℃DB / 30.9℃WB
Min. 15.0℃DB / 13.3℃WB

❸ **Vientiane, Laos**
Max. 38.9℃DB / 25.4℃WB
Min. 12.7℃DB / 11.0℃WB

❹ **Phnom Penh, Cambodia**
Max. 37.8℃DB / 25.0℃WB
Min. 20.6℃DB / 20.6℃WB

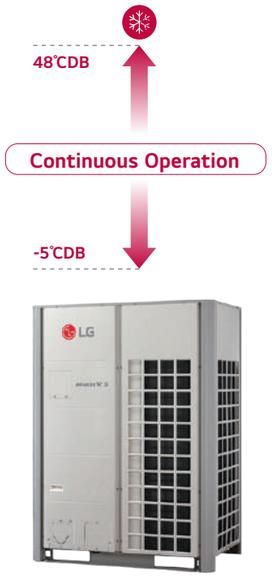
❺ **Manila, Philippines**
Max. 38.0℃DB / 32.8℃WB
Min. 20.0℃DB / 19.3℃WB

❻ **Ho Chi Minh, Vietnam**
Max. 36.7℃DB / 26.7℃WB
Min. 20.0℃DB / 20.0℃WB

❼ **Jakarta, Indonesia**
Max. 34.4℃DB / 25.0℃WB
Min. 19.4℃DB / 18.9℃WB

❽ **Singapore, Singapore**
Max. 33.8℃DB / 29.7℃WB
Min. 21.0℃DB / 21.0℃WB

❾ **Kuala Lumpur, Malaysia**
Max. 35.8℃DB / 30.6℃WB
Min. 20.9℃DB / 20.9℃WB

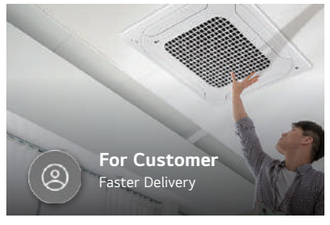


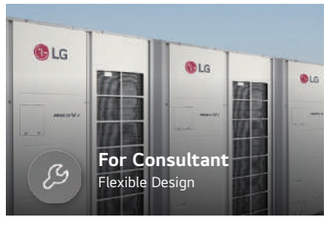
※ The source of weather data is TMY (Typical Meteorological Year) data.
The TMY data contains one year of hourly data that best represents weather conditions over many years.

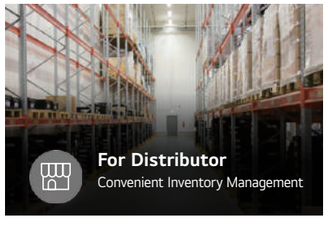
Flexible Outdoor Units Combination

Flexible combination can contribute to realize faster delivery and installation. It provides more options for designing according to customers' preferences.



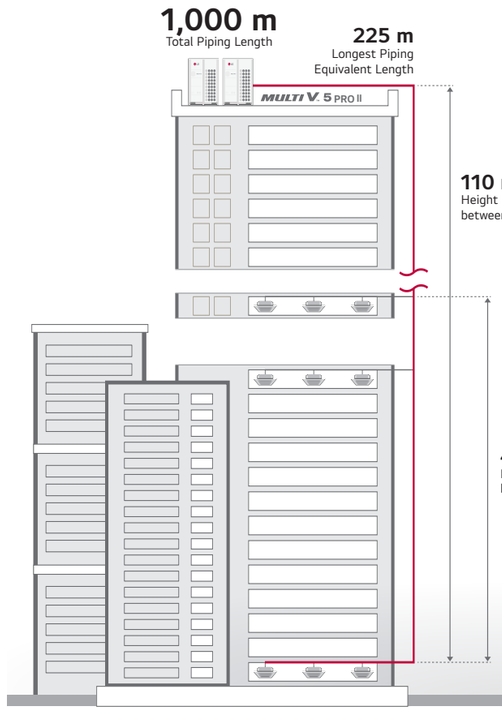






※ More detailed information can be checked in the LATS tool.

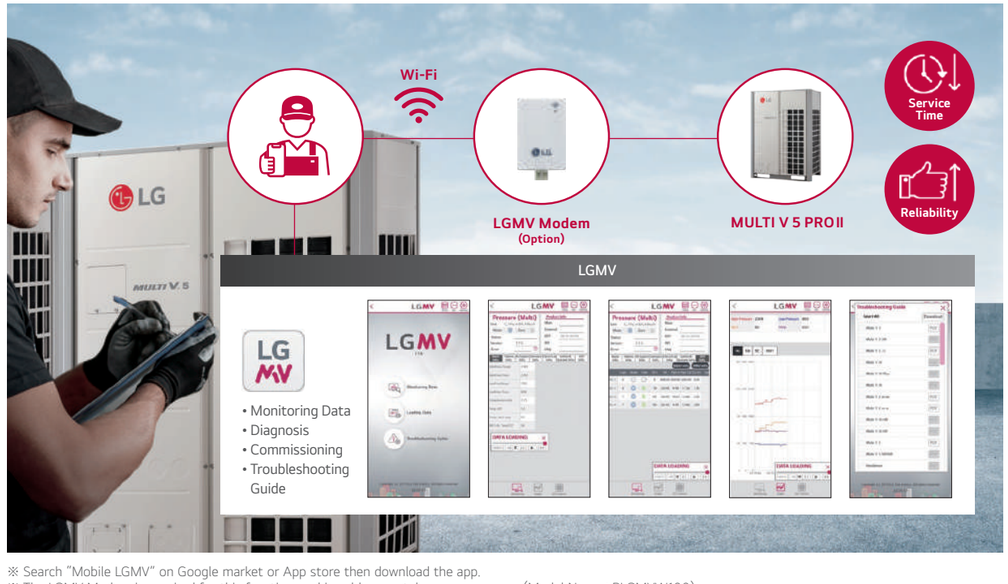
Total Piping Length



Total Piping Length	1,000 m
Actual longest piping length (Equivalent)	200 m (225 m)
Longest piping length after 1st branch (Conditional application)	40 m (90 m)
Max. Height difference between ODU ~ IDU	110 m
Max. Height difference between Indoor Units	40 m
Max. Height difference between Outdoor Units	5 m

Mobile LGMV

Installers and service engineers can monitor the status of the air conditioner and diagnose problems with their smartphone.



※ Search "Mobile LGMV" on Google market or App store then download the app.
※ The LGMV Modem is required for this function, and is sold separately as an accessory (Model Name : PLGMVW100).

ENGINEERING TOOLS & SUPPORT

From planning to design, installation, service & maintenance and retrofit, an architectural project goes through many stages from the beginning to the end of its lifecycle. Along those stages, various engineering tools are applied to solve the diverse issues happening in each stage, with the most optimal solution possible. Given the usage of such tools, buildings are effectively designed, built, supervised, and maintained throughout their lifecycle.
Dedicated to provide the best HVAC engineering support, LG Air Solution offers several engineering tools and solutions focused on the overall lifecycle of a building HVAC system. The LATS* Program has been developed to offer the best solution for LG HVAC systems, providing customers with a solution that allows for faster, easier and more accurate model selection, energy estimations and more.

* LATS : LG Air-conditioner Technical Solution

01 Model Selection

LATS HVAC

An integrated model selection program, enabling an accurate and quick selection on the best model suitable for each site. By providing detailed information on refrigerant piping and control design, design mistakes can be minimized.

- Various LG HVAC product design
  (MULTI V, MULTI, Single, ERV, AHU, DOAS and Central Controller)
- Calculate the diameter and length of refrigerant pipes
- Check design guide easily
- Simulate capacity and power input based on design condition
- Calculate the amount of additional refrigerant
- Provide engineering data in various formats such as report, submittal and equipment list



02 Design

LATS CAD (2D Drawing)

Easy, quick and accurate add-in design program for AutoCAD or ZWCAD.

- Selection for outdoor unit, indoor unit, accessories and controllers
- Design ref-pipe, control line and drain pipe
- Calculate the diameter and length of pipes and drains
- Check pipe rules
- Simulate capacity and power input based on design condition
- Calculate the amount of additional refrigerant
- Output of equipment schedules and reports
- Project information sharing with LATS HVAC

※ AutoCAD / ZWCAD program is required.

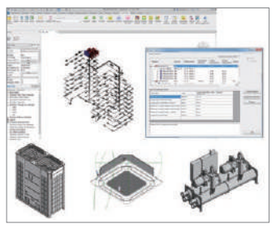




LATS REVIT / REVIT Family (3D Drawing)

An add-in program that provides a range of functions for designing LGE VRF in Autodesk Revit for Building Information Modeling (BIM).
The Revit family of LGE products features realistic shapes and specifications, making it easy for consultants and engineers to design and plan HVAC systems.

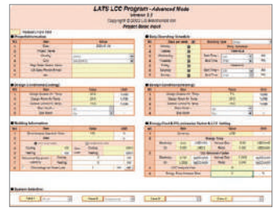
※ AutoCAD REVIT program is required.



03 LATS LCC (Life Cycle Cost estimation)

LATS LCC simulates annual energy usage amount and life cycle cost based on whole year weather data and product performance data.

- Alternative system's Life Cycle Cost simulation
- Detail LCC analysis function
- Improved user input freedom (User can input directly)



04 Mobile Application & Website

LG Energy Payback Application

Payback application provides a comparison of the payback period and Low Cycle Cost of LG inverter products.

- Life Cycle Cost comparison proposal for Each HVAC System
- Payback calculation of RAC/CAC products



CAC Partner Application

Partner application provides technical and marketing materials for each model and various utility functions.

- Search and download technical and marketing materials
- Refrigerant amount calculation and error code search function, etc.



B2B Partner Portal

B2B partner portal provides technical data and various utilities, case studies by region and model.

- Search and download of PDB, catalogue, proposals, CAD files, etc.
- Provides various case studies for each segment

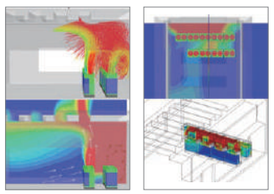


05 Environment Simulation

CFD Analysis

CFD analysis can review potential issues and provide optimal solution.

- Outdoor airflow analysis : Operability check
- Indoor airflow analysis : Airflow distribution
- Outdoor noise analysis : Environmental noise impact pre-study



BENEFITS OF LG MULTI V 5 PRO II

Benefits for Building Owners

Efficient Management & Cost Reduction
- Fault Detection Diagnosis enables easy maintenance & no extra manpower for regular maintenance.
- Saves space, time, and installation costs by offering a larger capacity single outdoor unit.
- Small Oil management (Auto Oil Balancing and Active Oil return) decreases compressor damage.

Reliability at Every Stage
- Ultimate Inverter Compressor developed in Korea and manufactured in China.
- Corrosion resistant Black Fin & Panel for harsh conditions operation.

Customized Comfort and Solution
- Preset monthly energy usage and consume power according to the target that has been previously set.



Benefits for Developers & Construction Companies

Green Solutions
- More environmentally friendly system & higher energy efficiency, less carbon emission.

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

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



Benefits for Consultants

Versatile Solutions
- Air-cooled, Water-cooled, Heating, ERV DX, and Air Handling Unit interlocking solutions.

Professional Design Support
- LATS (LG Air-conditioner Technical Solution) for draft energy estimation, model selection, HVAC design and 3D designing.
- CFD Analysis to ensure suitable solutions and prevent malfunctions.
- Energy simulation offered to find the optimal solution.

Optimized Convenience with HVAC Design
- Flexible combination provides more options for designing according to customers' preferences.



Benefits for End-users

Cost Saving Operation
- High efficiency guaranteed throughout product line-up.

Comfort Cooling
- Smart Load Control maximizes indoor comfort level.
- Dual Sensing Control offers pleasant and comfortable cooling environment.

Convenient Functions
- Low-noise operation provides a pleasant environment.



Interlocking Operation with ERV

LG ERV DX with humidification function interlock operation is a solution for humidifying and ventilating the indoor space while communicating with other IDUs and the ODU. They provide improved comfort conditions considering the indoor conditions without additional facility installation.



* Energy Recovery Ventilation
** Direct Expansion

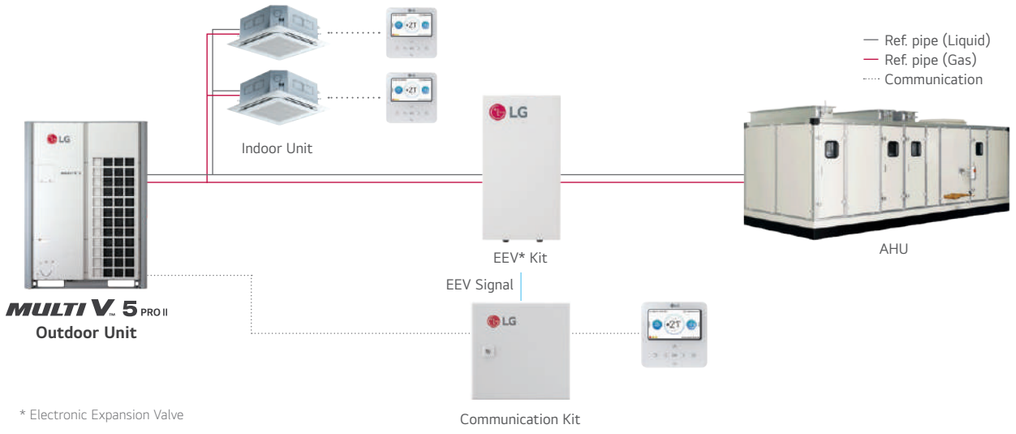
※ This function will be available in 1Q, '24

Various Applications

- Hospital
- Nursery Facility & School
- Sanatorium

Air Handling Unit (AHU) Solution

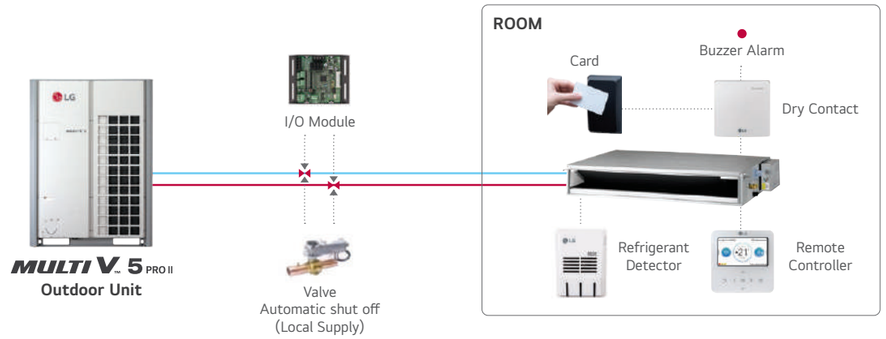
AHU is a suitable solution for cooling and heating in large spaces. With an LG AHU Comm. Kit (for both return air / supply air control) connected to the DX coil of the AHU, LG VRF system can be applied to deliver conditioned air.



* Electronic Expansion Valve

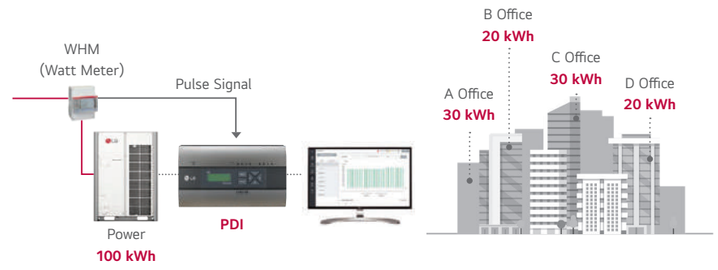
Refrigerant Leak Detection Solution

LG leakage detector keep the indoor space safe and guarantees the customer's peace of mind.



Power Consumption Distribution Solution

In case of shared power consumption in a building, a solution to distribute the power consumption amount per tenant might be necessary. Electricity charges can be billed to each tenant by using output from the LG Power Distributor Indicator (PDI). An administrator is able to check the power usage for each space and date as needed.
If the PDI is used in conjunction with an LG central controller, the results can be exported in excel format.



Total Control via Any Device

When managing multiple spaces, building administrators should be able to control systems from wherever they are. The LG central controller can be accessed from any web browser that supports HTML5. The interface has been adapted to look great and perform well on any device.



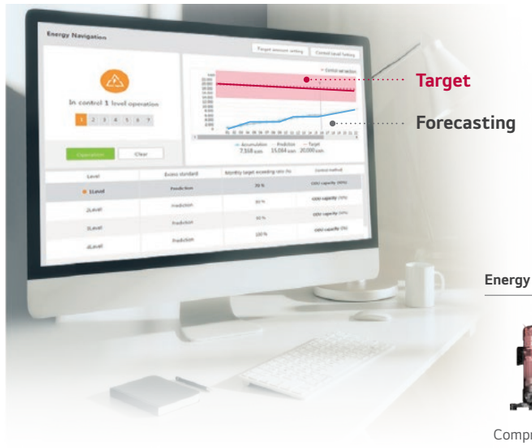
Management office
PC

Library
Tablet

Main administration building
Mobile

Energy Management Solution

Energy navigation function allows LG Multi V 5 Pro II to preset monthly energy usage and consume what has been previously planned. By comparing and analyzing previous consumption and planned energy usage for the month, overuse of the HVAC system operational costs can be prevented with central controller.



Monthly Target Setting

Control Step & Logic Selecting
(Up to 7 Steps)

Automatic Control By Power Consumption

Energy Saving Logic



Compressor Capacity Control | IDU Operation Ratio Control | IDU Operation Level

Integration Solution with BMS

There are many BMS protocols used for the control of buildings' various systems such as HVAC, lighting, power and security. LG has a wide range of gateway products for different protocols such as BACnet, Modbus.
In addition, LG gateways include Stand-alone central control capability to act as a back-up controller of the BMS if needed.



BMS System

BACnet
Modbus

Small - Medium size building



IDU ~64 : Modbus RTU G/W

Medium - Large size building



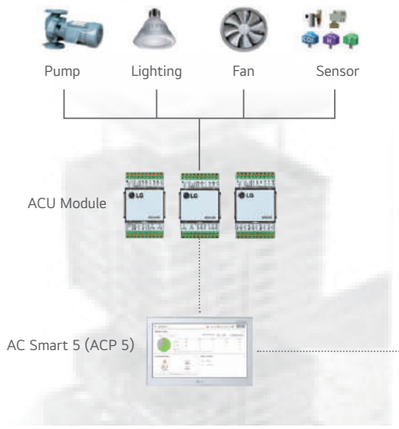
IDU ~128 : AC Smart 5
(BACnet IP / Modbus TCP)



IDU ~256 : ACP5
(BACnet IP / Modbus TCP)

Interlocking Solution by Using ACU Module

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



Saving Engineering Cost

Strengthen Maintenance Efficiency



Interlocking Solution Using Dry Contact

3rd party thermostats can be used to control LG air conditioners in a room by using a multi point dry contact.
The dry contact enables basic control of air conditioners as well as making it possible to report the status and any errors impacting the indoor unit.
The Standard III remote control has a DO port. With this DO port, it is possible to interlock the indoor unit with 3rd party devices such as lighting, a fan, or a radiator, based on parameters like operation mode or current temperature.
The indoor unit can be interlocked with various types of input such as card key-tag, door sensor, human detection sensor etc. so that the air conditioner is automatically operated. In addition, the dry contact option settings enable operation of air conditioner to maintain proper temperature when the occupant is absent. This solution makes sure that the room does not overheat or become too cold when unoccupied so that energy cost can be saved.



ARUV081LLS5 / ARUV101LLS5
ARUV121LLS5 / ARUV141LLS5



HP			8	10	12	14
Model Name	Combination Unit		ARUV081LLS5	ARUV101LLS5	ARUV121LLS5	ARUV141LLS5
	Independent Unit		ARUV081LLS5	ARUV101LLS5	ARUV121LLS5	ARUV141LLS5
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
Power Input	Cooling	kW	5.10	6.80	8.90	10.60
COP Cooling (EER)	Rated		4.39	4.12	3.78	3.70
Power Factor	Rated		0.93	0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	62.1	62.1	62.1
	Number of Revolution	rev/min	3,600	3,600	3,600	3,600
	Motor Output × Number	W × No.	5,300 × 1	5,300 × 1	5,300 × 1	5,300 × 1
	Starting Method		Inverter	Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	1,200 × 1	1,200 × 1	1,200 × 1	1,200 × 1
	Air Flow Rate (High)	m^3/min	240	240	240	240
	Max. External Static Pressure	Pa	80	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Gas Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 22.2 (7/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
Dimensions (W × H × D)		mm	(930 × 1,690 × 760)	(930 × 1,690 × 760)	(930 × 1,690 × 760)	(930 × 1,690 × 760)
Weight	Net	kg	164	164	164	180
Sound Pressure Level	Cooling	dB (A)	58.0	58.0	59.0	60.0
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.7	4.7	4.7	7.5
	GWP		2,087.5	2,087.5	2,087.5	2,087.5
	t-CO_2eq		9.8	9.8	9.8	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			13 (20)	16 (25)	20 (30)	23 (35)

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV161LLS5 / ARUV181LLS5
ARUV201LLS5



HP			16	18	20
Model Name	Combination Unit		ARUV161LLS5	ARUV181LLS5	ARUV201LLS5
	Independent Unit		ARUV161LLS5	ARUV181LLS5	ARUV201LLS5
Capacity	Cooling (Rated)	kW	44.8	50.4	56.0
		Btu/h	152,900	172,000	191,100
Power Input	Cooling	kW	11.90	12.30	14.10
COP Cooling (EER)	Rated		3.76	4.10	3.97
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	87.6	87.6
	Number of Revolution	rev/min	3,600	3,600	3,600
	Motor Output × Number	W × No.	5,300 × 1	7,500 × 1	7,500 × 1
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m^3/min	320	320	320
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Gas Pipe	mm (inch)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)	Ø 28.58 (1-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)
Weight	Net	kg	195.5	205	221
Sound Pressure Level	Cooling	dB (A)	60.5	62.0	63.0
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	6.5	6.5	7.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		13.6	13.6	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			26 (40)	29 (45)	32 (50)

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV221LLS5 / ARUV241LLS5
ARUV261LLS5



HP			22	24	26
Model Name	Combination Unit		ARUV221LLS5	ARUV241LLS5	ARUV261LLS5
	Independent Unit		ARUV221LLS5	ARUV241LLS5	ARUV261LLS5
Capacity	Cooling (Rated)	kW	61.6	67.2	72.8
		Btu/h	210,200	229,300	248,400
Power Input	Cooling	kW	16.80	18.20	20.80
COP Cooling (EER)	Rated		3.67	3.69	3.50
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	87.6	62.1 × 2	62.1 × 2
	Number of Revolution	rev/min	3,600	3,600 × 2	3,600 × 2
	Motor Output × Number	W × No.	7,500 × 1	5,300 × 2	5,300 × 2
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m^3/min	320	320	320
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 28.58 (1-1/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)
Weight	Net	kg	221	256.5	256.5
Sound Pressure Level	Cooling	dB (A)	64.0	65.0	65.0
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	7.5	11	11
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		15.7	23.0	23.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			35 (56)	39 (61)	42 (64)

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV281LLS5 / ARUV301LLS5
ARUV321LLS5



HP			28	30	32
Model Name	Combination Unit		ARUV281LLS5	ARUV301LLS5	ARUV321LLS5
	Independent Unit		ARUV161LLS5 ARUV121LLS5	ARUV181LLS5 ARUV121LLS5	ARUV201LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	78.4	84.0	89.6
		Btu/h	267,500	286,600	305,700
Power Input	Cooling	kW	20.8	21.2	23.0
COP Cooling (EER)	Rated		3.77	3.96	3.90
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 2	(87.6 × 1) + (62.1)	(87.6 × 1) + (62.1)
	Number of Revolution	rev/min	3,600 × 2	3,600 × 2	3,600 × 2
	Motor Output × Number	W × No.	5,300 × 2	(7,500 × 1) + (5,300 × 1)	(7,500 × 1) + (5,300 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)	Ø 34.9 (1-3/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
Weight	Net	kg	(195.5) + (164)	(205) + (164)	(221) + (164)
Sound Pressure Level	Cooling	dB (A)	62.8	63.8	64.5
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	11.2	11.2	12.2
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		23.4	23.4	25.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			45 (56)	49 (60)	52 (64)

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3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV341LLS5 / ARUV361LLS5
ARUV381LLS5



HP			34	36	38
Model Name	Combination Unit		ARUV341LLS5	ARUV361LLS5	ARUV381LLS5
	Independent Unit		ARUV221LLS5 ARUV121LLS5	ARUV241LLS5 ARUV121LLS5	ARUV261LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	95.2	100.8	106.4
		Btu/h	324,800	343,900	363,000
Power Input	Cooling	kW	25.7	27.1	29.7
COP Cooling (EER)	Rated		3.70	3.72	3.58
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(87.6 × 1) + (62.1)	62.1 × 3	62.1 × 3
	Number of Revolution	rev/min	3,600 × 2	3,600 × 3	3,600 × 3
	Motor Output × Number	W × No.	(7,500 × 1) + (5,300 × 1)	5,300 × 3	5,300 × 3
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 34.9 (1-3/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
Weight	Net	kg	(221) + (164)	(256.5) + (164)	(256.5) + (164)
Sound Pressure Level	Cooling	dB (A)	65.2	66.0	66.0
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	12.2	15.7	15.7
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		25.5	32.8	32.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			55 (64)	58 (64)	61 (64)

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3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV401LLS5 / ARUV421LLS5
ARUV441LLS5





HP			40	42	44
Model Name	Combination Unit		ARUV401LLS5	ARUV421LLS5	ARUV441LLS5
	Independent Unit		ARUV261LLS5 ARUV141LLS5	ARUV261LLS5 ARUV161LLS5	ARUV261LLS5 ARUV181LLS5
Capacity	Cooling (Rated)	kW	112.0	117.6	123.2
		Btu/h	382,200	401,300	420,400
Power Input	Cooling	kW	31.4	32.7	33.1
COP Cooling (EER)	Rated		3.57	3.60	3.72
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 3	62.1 × 3	(62.1 × 2) + (87.6)
	Number of Revolution	rev/min	3,600 × 3	3,600 × 3	3,600 × 3
	Motor Output × Number	W × No.	5,300 × 3	5,300 × 3	(5,300 × 2) + (7,500 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	(900 × 2) + (1,200 × 1)	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	(320 × 1) + (240 × 1)	320 × 2	320 × 2
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2
Weight	Net	kg	(256.5) + (180)	(256.5) + (195.5)	(256.5) + (205)
Sound Pressure Level	Cooling	dB (A)	66.2	66.3	66.8
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	18.5	17.5	17.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		38.6	36.5	36.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

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3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV461LLS5 / ARUV481LLS5
ARUV501LLS5



HP			46	48	50
Model Name	Combination Unit		ARUV461LLS5	ARUV481LLS5	ARUV501LLS5
	Independent Unit		ARUV261LLS5 ARUV201LLS5	ARUV261LLS5 ARUV221LLS5	ARUV261LLS5 ARUV241LLS5
Capacity	Cooling (Rated)	kW	128.8	134.4	140.0
		Btu/h	439,500	458,600	477,700
Power Input	Cooling	kW	34.9	37.6	39.0
COP Cooling (EER)	Rated		3.69	3.57	3.59
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 2) + (87.6)	(62.1 × 2) + (87.6)	62.1 × 4
	Number of Revolution	rev/min	3,600 × 3	3,600 × 3	3,600 × 4
	Motor Output × Number	W × No.	(5,300 × 2) + (7,500 × 1)	(5,300 × 2) + (7,500 × 1)	5,300 × 4
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	900 × 4	900 × 4	900 × 4
	Air Flow Rate (High)	m^3/min	320 × 2	320 × 2	320 × 2
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2
Weight	Net	kg	(256.5) + (221)	(256.5) + (221)	(256.5) + (256.5)
Sound Pressure Level	Cooling	dB (A)	67.1	67.5	68.0
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	18.5	18.5	22.0
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		38.6	38.6	45.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV521LLS5 / ARUV541LLS5
ARUV561LLS5





HP			52	54	56
Model Name	Combination Unit		ARUV521LLS5	ARUV541LLS5	ARUV561LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5	ARUV261LLS5 ARUV161LLS5 ARUV121LLS5	ARUV261LLS5 ARUV181LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	145.6	151.2	156.8
		Btu/h	496,800	515,900	535,000
Power Input	Cooling	kW	41.6	41.6	42.0
COP Cooling (EER)	Rated		3.50	3.63	3.73
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 4	62.1 × 4	(62.1 × 3) + (87.6)
	Number of Revolution	rev/min	3,600 × 4	3,600 × 4	3,600 × 4
	Motor Output × Number	W × No.	5,300 × 4	5,300 × 4	(5,300 × 3) + (7,500 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	900 × 4	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	320 × 2	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
Weight	Net	kg	(256.5) + (256.5)	(256.5) + (195.5) + (164)	(256.5) + (205) + (164)
Sound Pressure Level	Cooling	dB (A)	68.0	67.1	67.4
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	22.0	22.2	22.2
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		45.9	46.3	46.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV581LLS5 / ARUV601LLS5
ARUV621LLS5



HP			58	60	62
Model Name	Combination Unit		ARUV581LLS5	ARUV601LLS5	ARUV621LLS5
	Independent Unit		ARUV261LLS5 ARUV201LLS5 ARUV121LLS5	ARUV261LLS5 ARUV221LLS5 ARUV121LLS5	ARUV261LLS5 ARUV241LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	162.4	168.0	173.6
		Btu/h	554,100	573,200	592,300
Power Input	Cooling	kW	43.8	46.5	47.9
COP Cooling (EER)	Rated		3.71	3.61	3.62
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 3) + (87.6)	(62.1 × 3) + (87.6)	62.1 × 5
	Number of Revolution	rev/min	3,600 × 4	3,600 × 4	3,600 × 5
	Motor Output × Number	W × No.	(5,300 × 3) + (7,500 × 1)	(5,300 × 3) + (7,500 × 1)	5,300 × 5
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)	Ø 41.3 (1-5/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
Weight	Net	kg	(256.5) + (221) + (164)	(256.5) + (221) + (164)	(256.5) + (256.5) + (164)
Sound Pressure Level	Cooling	dB (A)	67.7	68.1	68.5
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	23.2	23.2	26.7
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		48.4	48.4	55.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV641LLS5 / ARUV661LLS5
ARUV681LLS5





HP			64	66	68
Model Name	Combination Unit		ARUV641LLS5	ARUV661LLS5	ARUV681LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV141LLS5	ARUV261LLS5 ARUV261LLS5 ARUV161LLS5
Capacity	Cooling (Rated)	kW	179.2	184.8	190.4
		Btu/h	611,400	630,600	649,700
Power Input	Cooling	kW	50.5	52.2	53.5
COP Cooling (EER)	Rated		3.55	3.54	3.56
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 5	62.1 × 5	62.1 × 5
	Number of Revolution	rev/min	3,600 × 5	3,600 × 5	3,600 × 5
	Motor Output × Number	W × No.	5,300 × 5	5,300 × 5	5,300 × 5
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	900 × 6
	Air Flow Rate (High)	m^3/min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	320 × 3
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 41.3 (1-5/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3
Weight	Net	kg	(256.5) + (256.5) + (164)	(256.5) + (256.5) + (180)	(256.5) + (256.5) + (195.5)
Sound Pressure Level	Cooling	dB (A)	68.5	68.6	68.7
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	26.7	29.5	28.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		55.7	61.6	59.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV701LLS5 / ARUV721LLS5
ARUV741LLS5



HP			70	72	74
Model Name	Combination Unit		ARUV701LLS5	ARUV721LLS5	ARUV741LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV181LLS5	ARUV261LLS5 ARUV261LLS5 ARUV201LLS5	ARUV261LLS5 ARUV261LLS5 ARUV221LLS5
Capacity	Cooling (Rated)	kW	196.0	201.6	207.2
		Btu/h	668,800	687,900	707,000
Power Input	Cooling	kW	53.9	55.7	58.4
COP Cooling (EER)	Rated		3.64	3.62	3.55
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 4) + (87.6)	(62.1 × 4) + (87.6)	(62.1 × 4) + (87.6)
	Number of Revolution	rev/min	3,600 × 5	3,600 × 5	3,600 × 5
	Motor Output × Number	W × No.	(5,300 × 4) + (7,500 × 1)	(5,300 × 4) + (7,500 × 1)	(5,300 × 4) + (7,500 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	320 × 3
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
Weight	Net	kg	(256.5) + (256.5) + (205)	(256.5) + (256.5) + (221)	(256.5) + (256.5) + (221)
Sound Pressure Level	Cooling	dB (A)	69.0	69.2	69.5
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	28.5	29.5	29.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		59.5	61.6	61.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV761LLS5 / ARUV781LLS5
ARUV801LLS5





HP			76	78	80
Model Name	Combination Unit		ARUV761LLS5	ARUV781LLS5	ARUV801LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV241LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5	ARUV261LLS5 ARUV261LLS5 ARUV161LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	212.8	218.4	224.0
		Btu/h	726,100	745,200	764,300
Power Input	Cooling	kW	59.8	62.4	62.4
COP Cooling (EER)	Rated		3.56	3.50	3.59
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 6	62.1 × 6	62.1 × 6
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6	3,600 × 6
	Motor Output × Number	W × No.	5,300 × 6	5,300 × 6	5,300 × 6
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	900 × 6	900 × 6	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	320 × 3	320 × 3	(320 × 3) + (240 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
Weight	Net	kg	(256.5) + (256.5) + (256.5)	(256.5) + (256.5) + (256.5)	(256.5) + (256.5) + (195.5) + (164)
Sound Pressure Level	Cooling	dB (A)	69.8	69.8	69.2
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.0	33.0	33.2
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		68.9	68.9	69.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV821LLS5 / ARUV841LLS5
ARUV861LLS5



HP			82	84	86
Model Name	Combination Unit		ARUV821LLS5	ARUV841LLS5	ARUV861LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV181LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV201LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV221LLS5 ARUV121LLS5
Capacity	Cooling (Rated)	kW	229.6	235.2	240.8
		Btu/h	783,400	802,500	821,600
Power Input	Cooling	kW	62.8	64.6	67.3
COP Cooling (EER)	Rated		3.66	3.64	3.58
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 5) + (87.6)	(62.1 × 5) + (87.6)	(62.1 × 5) + (87.6)
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6	3,600 × 6
	Motor Output × Number	W × No.	(5,300 × 5) + (7,500 × 1)	(5,300 × 5) + (7,500 × 1)	(5,300 × 5) + (7,500 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
Weight	Net	kg	(256.5) + (256.5) + (205) + (164)	(256.5) + (256.5) + (221) + (164)	(256.5) + (256.5) + (221) + (164)
Sound Pressure Level	Cooling	dB (A)	69.4	69.6	69.8
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	33.2	34.2	34.2
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		69.3	71.4	71.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV881LLS5 / ARUV901LLS5
ARUV921LLS5



HP			88	90	92
Model Name	Combination Unit		ARUV881LLS5	ARUV901LLS5	ARUV921LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV241LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV121LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV141LLS5
Capacity	Cooling (Rated)	kW	246.4	252.0	257.6
		Btu/h	840,700	859,800	879,000
Power Input	Cooling	kW	68.7	71.3	73.0
COP Cooling (EER)	Rated		3.59	3.53	3.53
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 7	62.1 × 7	62.1 × 7
	Number of Revolution	rev/min	3,600 × 7	3,600 × 7	3,600 × 7
	Motor Output × Number	W × No.	5,300 × 7	5,300 × 7	5,300 × 7
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m^3/min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
Weight	Net	kg	(256.5) + (256.5) + (256.5) + (164)	(256.5) + (256.5) + (256.5) + (164)	(256.5) + (256.5) + (256.5) + (180)
Sound Pressure Level	Cooling	dB (A)	70.1	70.1	70.2
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	37.7	37.7	40.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		78.7	78.7	84.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV941LLS5 / ARU961LLS5
ARUV981LLS5



HP			94	96	98
Model Name	Combination Unit		ARUV941LLS5	ARUV961LLS5	ARUV981LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV161LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV181LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV201LLS5
Capacity	Cooling (Rated)	kW	263.2	268.8	274.4
		Btu/h	898,100	917,200	936,300
Power Input	Cooling	kW	74.3	74.7	76.5
COP Cooling (EER)	Rated		3.54	3.60	3.59
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 7	(62.1 × 6) + (87.6)	(62.1 × 6) + (87.6)
	Number of Revolution	rev/min	3,600 × 7	3,600 × 7	3,600 × 7
	Motor Output × Number	W × No.	5,300 × 7	(5,300 × 6) + (7,500 × 1)	(5,300 × 6) + (7,500 × 1)
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 × 4	320 × 4	320 × 4
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
Weight	Net	kg	(256.5) + (256.5) + (256.5) + (195.5)	(256.5) + (256.5) + (256.5) + (205)	(256.5) + (256.5) + (256.5) + (221)
Sound Pressure Level	Cooling	dB (A)	70.3	70.4	70.6
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	39.5	39.5	40.5
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		82.5	82.5	84.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 9614 standard. Therefore, these values can be increased owing to ambient conditions during operation.
5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

ARUV1001LLS5 / ARUV1021LLS5
ARUV1041LLS5



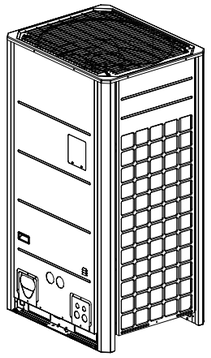
HP			100	102	104
Model Name	Combination Unit		ARUV1001LLS5	ARUV1021LLS5	ARUV1041LLS5
	Independent Unit		ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV221LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV241LLS5	ARUV261LLS5 ARUV261LLS5 ARUV261LLS5 ARUV261LLS5
Capacity	Cooling (Rated)	kW	280.0	285.6	291.2
		Btu/h	955,400	974,500	993,600
Power Input	Cooling	kW	79.2	80.6	83.2
COP Cooling (EER)	Rated		3.54	3.54	3.50
Power Factor	Rated		0.93	0.93	0.93
Exterior	Casing Color		Morning Gray / Dawn Gray	Morning Gray / Dawn Gray	Morning Gray / Dawn Gray
	RAL code		RAL 7038 / RAL 7037	RAL 7038 / RAL 7037	RAL 7038 / RAL 7037
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 6) + (87.6)	62.1 × 8	62.1 × 8
	Number of Revolution	rev/min	3,600 × 7	3,600 × 8	3,600 × 8
	Motor Output × Number	W × No.	(5,300 × 6) + (7,500 × 1)	5,300 × 8	5,300 × 8
	Starting Method		Inverter	Inverter	Inverter
	Oil Type		FW68L (PVE)	FW68L (PVE)	FW68L (PVE)
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor Output × Number	W	900 × 8	900 × 8	900 × 8
	Air Flow Rate (High)	m^3/min	320 × 4	320 × 4	320 × 4
	Max. External Static Pressure	Pa	80	80	80
	Drive		DC Inverter	DC Inverter	DC Inverter
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	Ø 22.2 (7/8)	Ø 22.2 (7/8)	Ø 22.2 (7/8)
	Gas Pipe	mm (inch)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)	Ø 53.98 (2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
Weight	Net	kg	(256.5) + (256.5) + (256.5) + (221)	(256.5) + (256.5) + (256.5) + (256.5)	(256.5) + (256.5) + (256.5) + (256.5)
Sound Pressure Level	Cooling	dB (A)	70.8	71.0	71.0
Communication Cable		No. × mm^2 (VCTF-SB)	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5	2 C × 1.0 ~ 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	40.5	44.0	44.0
	GWP		2,087.5	2,087.5	2,087.5
	t-CO_2eq		84.5	91.9	91.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Φ / Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
Number of Maximum Connectable Indoor Units			64	64	64

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7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2,087.5)

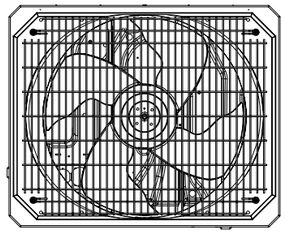
ARUV081LLS5 / ARUV101LLS5
ARUV121LLS5 / ARUV141LLS5

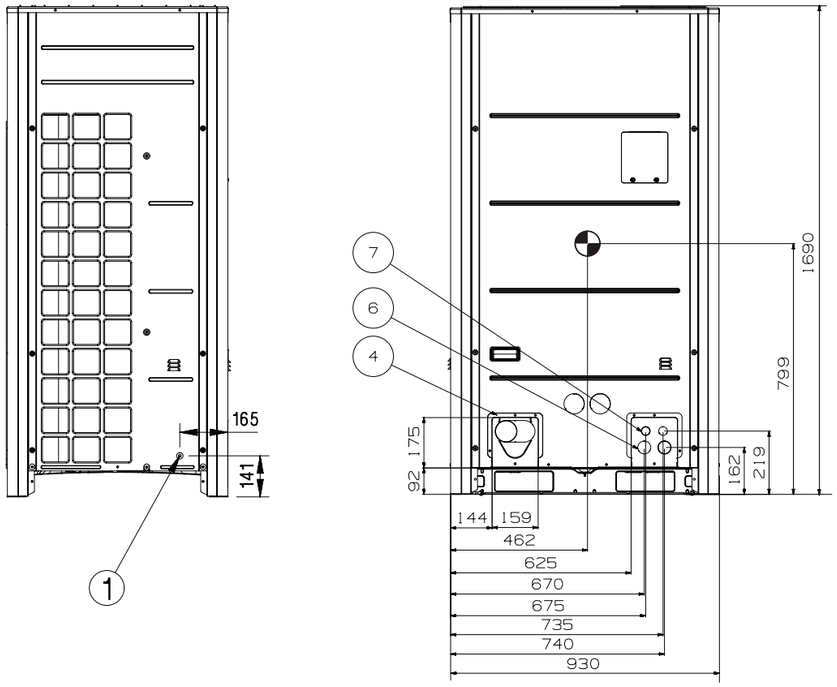
[Unit : mm]

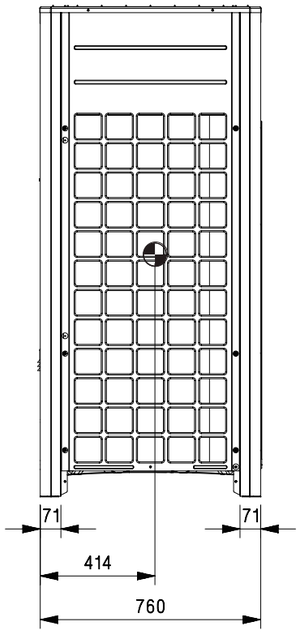
No.	Part Name	Description
1	Leakage test hole (Side)	Ø 22.2
2	Wire routing hole (Front)	2-Ø 30
3	Wire routing hole (Bottom)	2-Ø 22.2
4	Power cord routing hole (Front)	2-Ø 40
5	Power cord routing hole (Bottom)	2-Ø 50
6	Pipe routing hole (Front)	-
7	Pipe routing hole (Bottom)	2-Ø 66, Ø 53.88

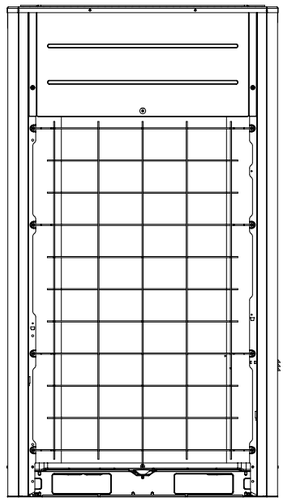


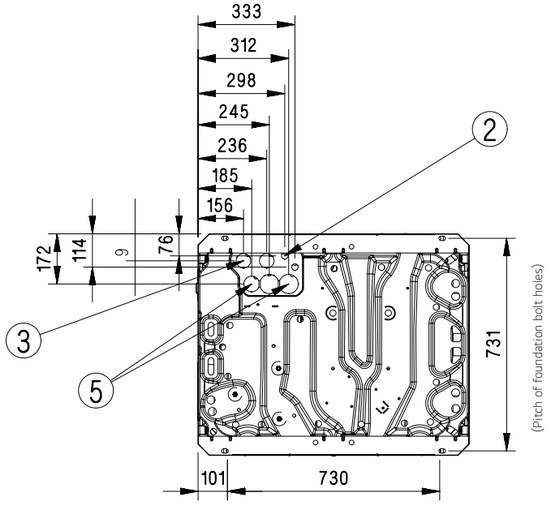
3D View











(Pitch of foundation bolt holes)

[Unit : mm]

System	Cooling Only	
HP	Liquid pipe	Gas pipe
8	Ø 9.52 (3/8)	Ø 19.05 (3/4)
10	Ø 9.52 (3/8)	Ø 22.2 (7/8)
12	Ø 12.7 (1/2)	Ø 28.58 (1-1/8)
14	Ø 12.7 (1/2)	Ø 28.58 (1-1/8)

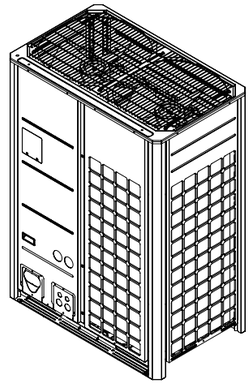
Note

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

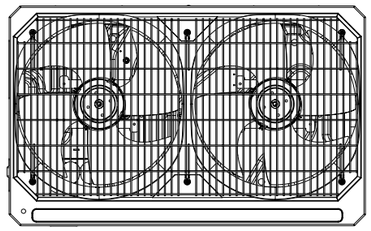
ARUV161LLS5 / ARUV181LLS5
ARUV201LLS5 / ARUV221LLS5
ARUV241LLS5 / ARUV261LLS5

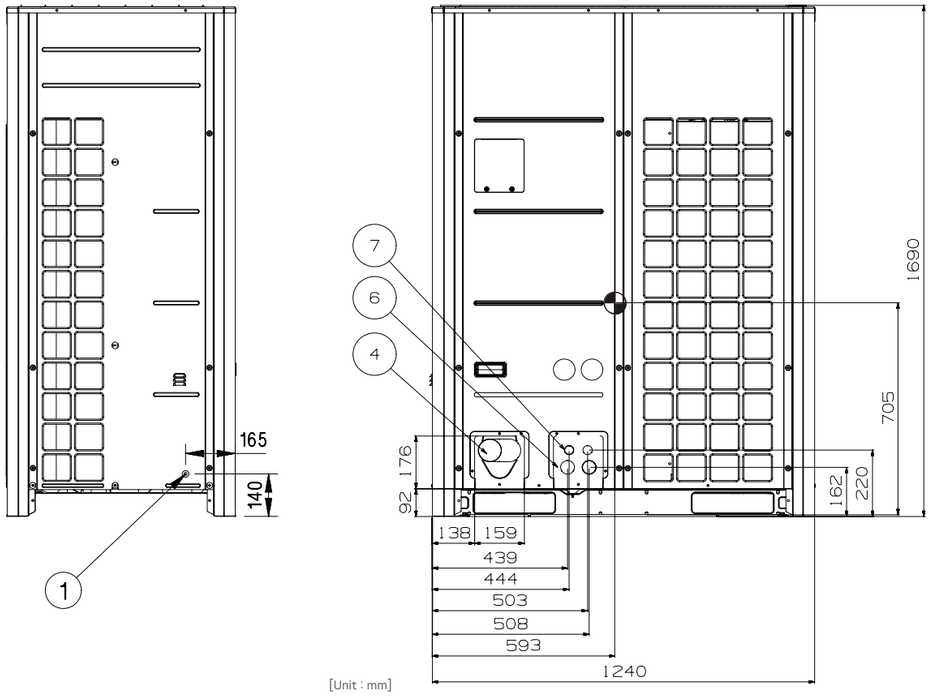
[Unit : mm]

No.	Part Name	Description
1	Leakage test hole (Side)	Ø 22.2
2	Wire routing hole (Front)	2-Ø 30
3	Wire routing hole (Bottom)	2-Ø 22.2
4	Power cord routing hole (Front)	2-Ø 40
5	Power cord routing hole (Bottom)	2-Ø 50
6	Pipe routing hole (Front)	-
7	Pipe routing hole (Bottom)	2-Ø 66, Ø 53.88



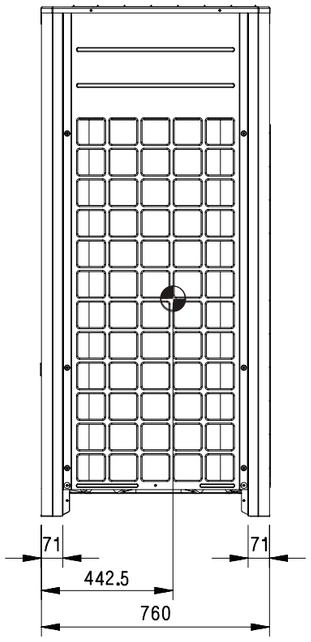
3D View

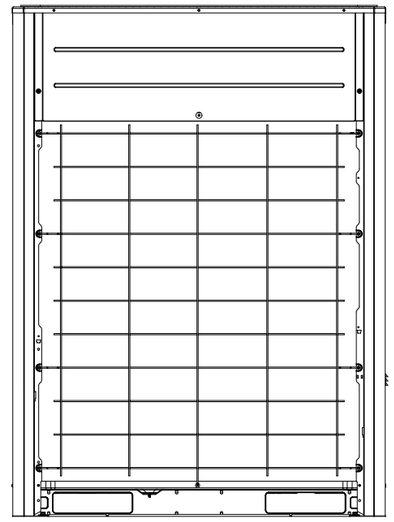


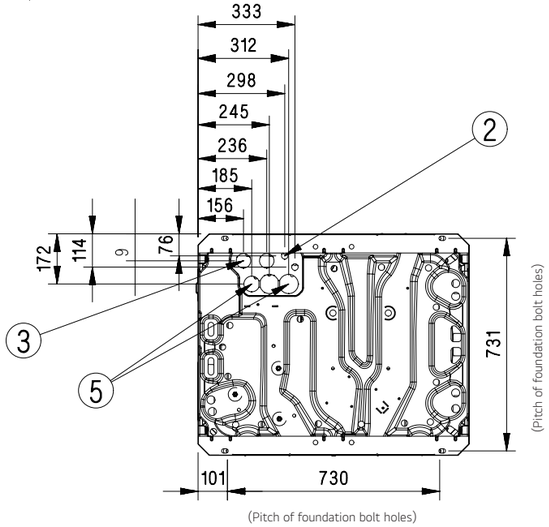


[Unit : mm]

System	Cooling Only	
HP	Liquid pipe	Gas pipe
16	Ø 12.7 (1/2)	Ø 28.58 (1-1/8)
18~20	Ø 15.88 (5/8)	Ø 28.58 (1-1/8)
22	Ø 15.88 (5/8)	Ø 28.58 (1-1/8)
24	Ø 15.88 (5/8)	Ø 34.9 (1-3/8)
26~34	Ø 19.05 (3/4)	Ø 34.9 (1-3/8)
36	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)
38~40	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)
42~60	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)
62~64	Ø 22.2 (7/8)	Ø 41.3 (1-5/8)
66~96	Ø 22.2 (7/8)	Ø 53.98 (2-1/8)



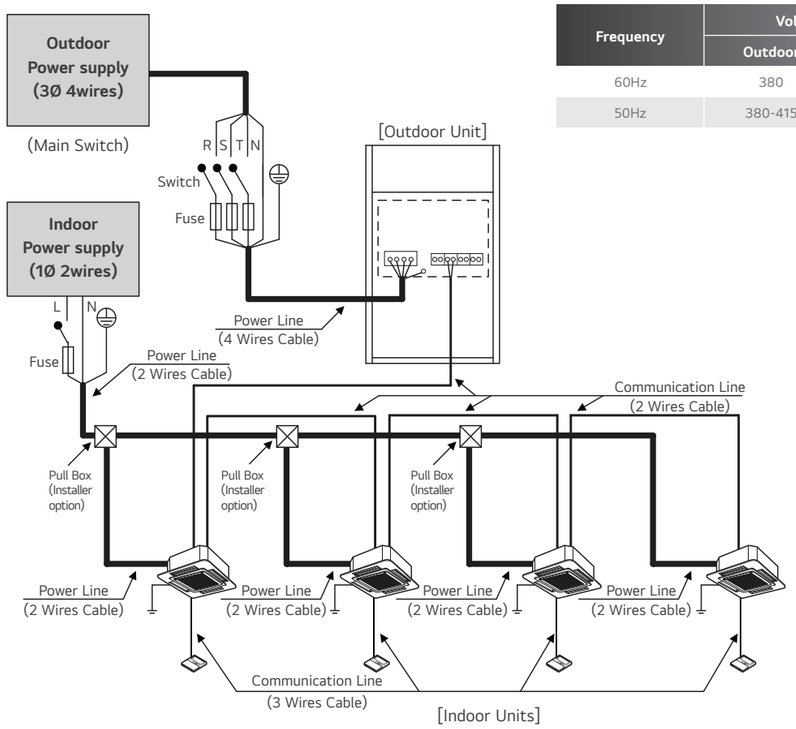




Note
1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations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

Example Connection of Communication Cable

Single Outdoor Unit

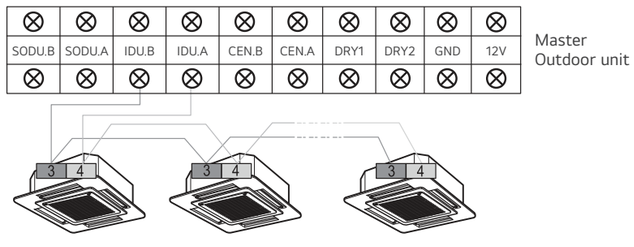


Frequency	Voltage range (V)	
	Outdoor	Indoor
60Hz	380	220
50Hz	380-415	220-240

Warning

- Installation site must require attachment of an earth leakage breaker. If no earth leakage breaker is installed, it may cause an electric shock.
- Indoor Unit ground Lines are required for preventing electrical shock accident during current leakage, Communication disorder by noise effect and motor current leakage (without connection to pipe).
- Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.
- If individual power supply is necessary for each indoor unit, IPM (Independent Power Module) should be applied at each indoor unit. (optional)
- Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
- Running the product in reversed phase may break the compressor and other parts.

Between Indoor and Master Outdoor unit

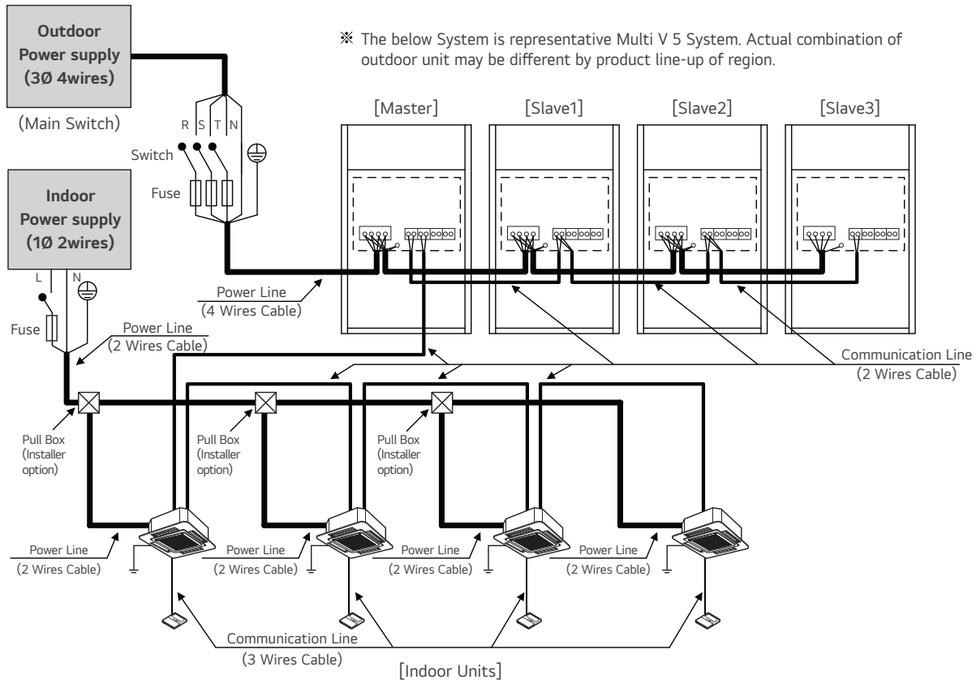


The GND terminal at the main PCB is a '-' terminal for day contact, it is not the point to make ground connection.

Series Outdoor Unit

When the power source is connected In series between the units.

Frequency	Voltage range (V)	
	Outdoor	Indoor
60Hz	380	220
50Hz	380-415	220-240

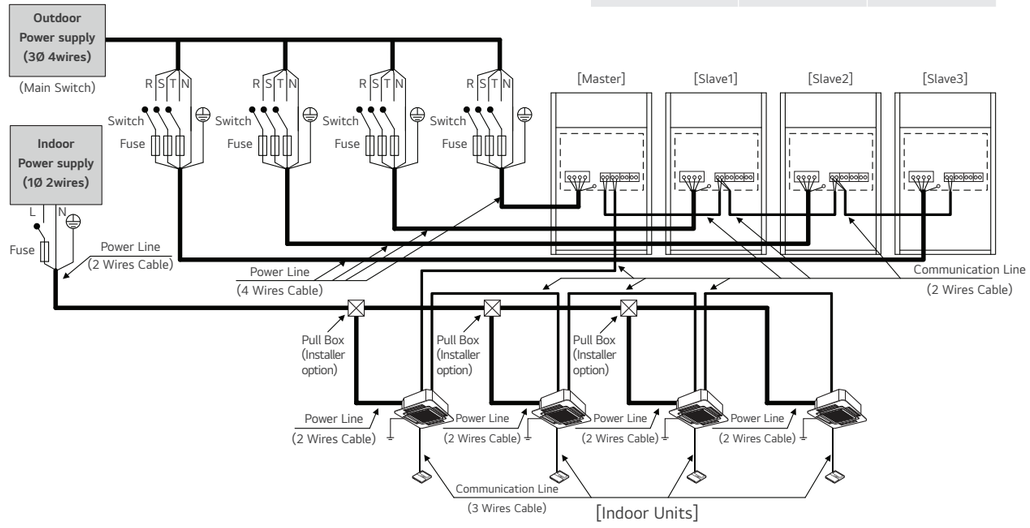


Warning

When the total capacity is over than 68Hp, do not use single power source for connecting series units.
The First terminal block could be burnt out.

When the power source is supplied to Each outdoor unit individually.

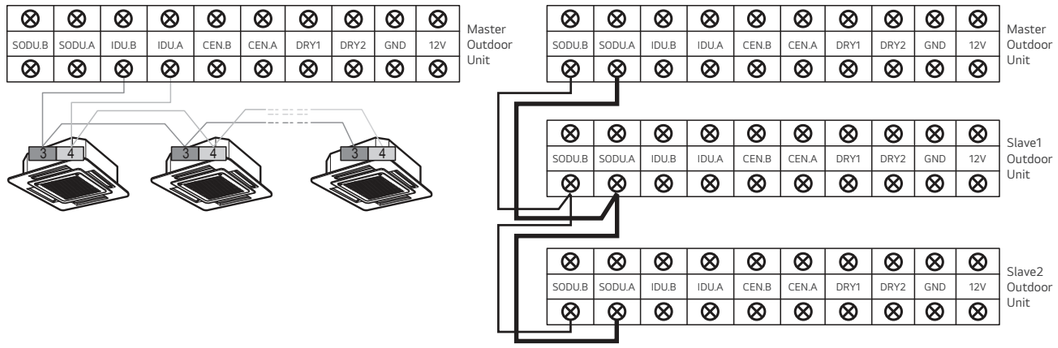
Frequency	Voltage range (V)	
	Outdoor	Indoor
60Hz	380	220
50Hz	380-415	220-240



⚠ Warning

- Installation site must require attachment of an earth leakage breaker. If no earth leakage breaker is installed, it may cause an electric shock.
- Indoor Unit ground Lines are required for preventing electrical shock accident during current leakage, Communication disorder by noise effect and motor current leakage (without connection to pipe).
- Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.
- If individual power supply is necessary for each indoor unit, IPM (Independent Power Module) should be applied at each indoor unit. (optional)
- Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
- Running the product in reversed phase may break the compressor and other parts.

Between Indoor and Master Outdoor unit



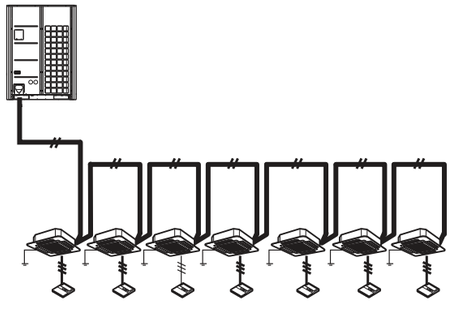
The GND terminal at the main PCB is a '-' terminal for dry contact. It is not the point to make ground connection.

- Make sure that terminal number of master and slave outdoor units are matched.(A-A,B-B)

Example Connection of Communication Cable

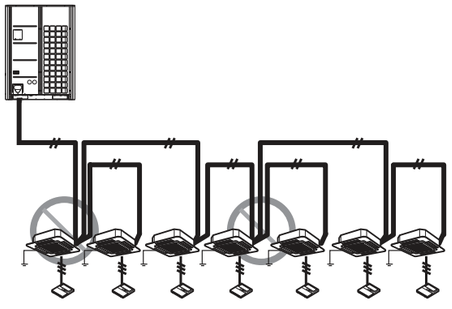
Connection of communication cable must be installed like below figure between indoor unit to outdoor unit.

BUS Type



Abnormal operation can be caused by communication defect, when connection of communication cable is installed like below figure.

STAR Type



Wiring of Main Power Supply and Equipment Capacity

1. Use a separate power supply for the Outdoor Unit and Indoor Unit.
2. Bear in mind ambient conditions (ambient temperature,direct sunlight, rain liquid,etc.) when proceeding with the wiring and connections
3. The wire size is the minimum value for metal conduit wiring. The power cord size should be 1 rank thicker taking into account the line voltage drops. Make sure the power-supply voltage does not drop more than 10%.
4. Specific wiring requirements should adhere to the wiring regulations of the region.
5. Power supply cords of parts of appliances for outdoor use should not be lighter than polychloroprene sheathed flexible cord (design 60245 IEC57).
6. Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.

⚠ Warning

- Follow ordinance of local regulation for technical standard related to electrical equipment, wiring regulations and guidance of each electric power company.
- Make sure to use specified wires for connections so that no external force is imparted to terminal connections. If connections are not fixed firmly, it may cause heating or fire.
- Make sure to use the appropriate type of overcurrent protection switch. Note that generated overcurrent may include some amount of direct current.
- Installation site must require attachment of an earth leakage breaker. If no earth leakage breaker is installed, it may cause an electric shock.

⚠ Caution

- Do not use anything other than breaker and fuse with correct capacity. Using fuse and wire or copper wire with too large capacity may cause a malfunction of unit or fire.

Wiring of Main Power Supply and Equipment Capacity

Model	Unit			Power Supply				COMP	OFM	
	Hz	Volts	Voltage-range	MCA	TOCA	MFA	MSC	RLA(Cooling)		
8 HP	50	380-415	Min : 342, Max: 456	19.3	20.0	20.0	5.9	5.8	1.2	2.5
10 HP	50	380-415	Min : 342, Max: 456	23.3	24.0	25.0	5.9	8.6	1.2	2.5
12 HP	50	380-415	Min : 342, Max: 456	23.3	25.0	25.0	5.9	12.0	1.2	2.5
14 HP	50	380-415	Min : 342, Max: 456	26.1	29.0	32.0	5.9	14.8	1.2	2.5
16 HP	50	380-415	Min : 342, Max: 456	27.3	30.0	32.0	5.9	16.9	1.8	2.5
18 HP	50	380-415	Min : 342, Max: 456	31.8	35.0	35.0	7.5	17.6	1.8	2.5
20 HP	50	380-415	Min : 342, Max: 456	35.5	39.0	40.0	7.5	20.5	1.8	2.5
22 HP	50	380-415	Min : 342, Max: 456	37.8	42.0	45.0	7.5	24.9	1.8	2.5
24 HP	50	380-415	Min : 342, Max: 456	45.5	50.0	50.0	11.8	27.2	1.8	2.5
26 HP	50	380-415	Min : 342, Max: 456	54.5	60.0	60.0	11.8	31.5	1.8	2.5
28 HP	50	380-415	Min : 342, Max: 456	50.6	55.0	57.0	11.8	28.9	3.0	5.0
30 HP	50	380-415	Min : 342, Max: 456	55.1	60.0	60.0	13.4	29.6	3.0	5.0
32 HP	50	380-415	Min : 342, Max: 456	58.8	64.0	65.0	13.4	32.6	3.0	5.0
34 HP	50	380-415	Min : 342, Max: 456	61.1	67.0	70.0	13.4	36.9	3.0	5.0
36 HP	50	380-415	Min : 342, Max: 456	68.8	75.0	75.0	17.7	39.2	3.0	5.0
38 HP	50	380-415	Min : 342, Max: 456	77.8	85.0	85.0	17.7	43.5	3.0	5.0
40 HP	50	380-415	Min : 342, Max: 456	80.6	89.0	92.0	17.7	36.3	3.0	5.0
42 HP	50	380-415	Min : 342, Max: 456	81.8	90.0	92.0	17.7	48.4	3.6	5.0
44 HP	50	380-415	Min : 342, Max: 456	86.3	95.0	95.0	19.3	49.1	3.6	5.0
46 HP	50	380-415	Min : 342, Max: 456	90.0	99.0	100.0	19.3	52.0	3.6	5.0
48 HP	50	380-415	Min : 342, Max: 456	92.3	102.0	105.0	19.3	56.4	3.6	5.0
50 HP	50	380-415	Min : 342, Max: 456	100.0	110.0	110.0	23.6	58.7	3.6	5.0
52 HP	50	380-415	Min : 342, Max: 456	109.0	120.0	120.0	23.6	63.0	3.6	5.0
54 HP	50	380-415	Min : 342, Max: 456	105.1	115.0	117.0	23.6	60.4	4.8	7.5
56 HP	50	380-415	Min : 342, Max: 456	109.6	120.0	120.0	25.2	61.1	4.8	7.5
58 HP	50	380-415	Min : 342, Max: 456	113.3	124.0	125.0	25.2	64.0	4.8	7.5
60 HP	50	380-415	Min : 342, Max: 456	115.6	127.0	130.0	25.2	68.4	4.8	7.5
62 HP	50	380-415	Min : 342, Max: 456	123.3	135.0	135.0	29.5	70.7	4.8	7.5
64 HP	50	380-415	Min : 342, Max: 456	132.3	145.0	145.0	29.5	75.0	4.8	7.5
66 HP	50	380-415	Min : 342, Max: 456	135.1	149.0	152.0	29.5	77.8	4.8	7.5
68 HP	50	380-415	Min : 342, Max: 456	136.3	150.0	152.0	29.5	79.9	5.4	7.5
70 HP	50	380-415	Min : 342, Max: 456	140.8	155.0	155.0	31.1	80.6	5.4	7.5
72 HP	50	380-415	Min : 342, Max: 456	144.5	159.0	160.0	31.1	83.5	5.4	7.5
74 HP	50	380-415	Min : 342, Max: 456	146.8	162.0	165.0	31.1	87.9	5.4	7.5
76 HP	50	380-415	Min : 342, Max: 456	154.5	170.0	170.0	35.4	90.2	5.4	7.5
78 HP	50	380-415	Min : 342, Max: 456	163.5	180.0	180.0	35.4	94.5	5.4	7.5
80 HP	50	380-415	Min : 342, Max: 456	159.6	175.0	177.0	35.4	91.9	6.6	10.0
82 HP	50	380-415	Min : 342, Max: 456	164.1	180.0	180.0	37.0	92.6	6.6	10.0
84 HP	50	380-415	Min : 342, Max: 456	167.8	184.0	185.0	37.0	95.5	6.6	10.0
86 HP	50	380-415	Min : 342, Max: 456	170.1	187.0	190.0	37.0	99.9	6.6	10.0
88 HP	50	380-415	Min : 342, Max: 456	177.8	195.0	195.0	41.3	102.2	6.6	10.0
90 HP	50	380-415	Min : 342, Max: 456	186.8	205.0	205.0	41.3	106.5	6.6	10.0
92 HP	50	380-415	Min : 342, Max: 456	189.6	209.0	212.0	41.3	109.3	6.6	10.0
94 HP	50	380-415	Min : 342, Max: 456	190.8	210.0	212.0	41.3	111.4	7.2	10.0
96 HP	50	380-415	Min : 342, Max: 456	195.3	215.0	215.0	42.9	112.1	7.2	10.0
98 HP	50	380-415	Min : 342, Max: 456	199.0	219.0	220.0	42.9	115.0	7.2	10.0
100 HP	50	380-415	Min : 342, Max: 456	201.3	222.0	225.0	42.9	119.4	7.2	10.0
102 HP	50	380-415	Min : 342, Max: 456	209.0	230.0	230.0	47.2	121.7	7.2	10.0
104 HP	50	380-415	Min : 342, Max: 456	218.0	240.0	240.0	47.2	126.0	7.2	10.0

Note

1. Voltage supplied to the unit terminals should be within the minimum and maximum range.
2. Maximum allowable voltage unbalance between phase is 2%.
3. MSC means the Max. current during the starting of compressor.
4. MSC and RLA are measured as the compressor only test condition.
5. OFM are measured as the outdoor unit test condition.
6. TOCA means the total over current value of each outdoor unit.
7. Select the wire size based on the larger value among MCA or TOCA.
8. MFA is recommended fuse amps.
9. TOCA is minimum required amperes for selecting the circuit breaker and ground fault circuit interrupter. Please select the circuit breaker size equal or greater than TOCA. All installation site must require attachment of an earth leakage breaker.[Circuit breaker type is ELCB (Earth Leakage Circuit Breaker)].
10. Select the electrical equipment of combination unit according to the electrical characteristics of individual unit.

Symbols

MCA : Minimum Circuit Amperes (A)
TOCA : Total Over Current Amperes (A)
MFA : Maximum Fuse Amperes (A)
MSC : Maximum Starting Current (A)
RLA : Rated Load Amperes (A)
OFM : Outdoor Fan Motor
kW : Fan Motor rated output (kW)
FLA : Full Load Amperes (A)



LG Vietnam Air Conditioning Academy

In order to support partners and customers to learn about products, LG Commercial Air Conditioning industry has 3 Academy locations across the country.

Not only a space for product display and product experience, LG Academy also organizes frequent training programs, providing knowledge about design and installation for LG customers and partners, including but not limited to : investors, contractors, design and installation consultants, and refrigeration students in the community.

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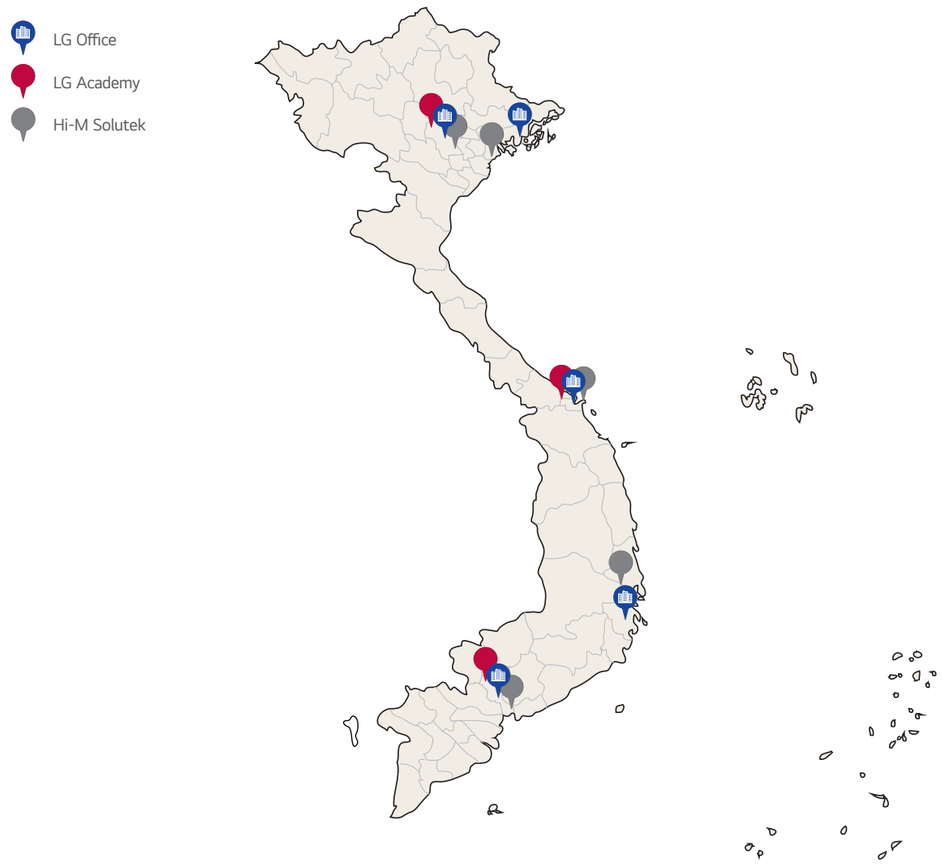


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Hi-M SOLUTEK provides the following services: Service and maintenance for VRF Multi V and Chiller, Remote maintenance management service on the Becon Cloud platform.

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*For continual product development, LG reserves the right to change specifications or design without notice

***Note**
This product uses inverter technology, so it can generate harmonics. If local law or the Investor requires harmonic suppression at the construction site, please coordinate with the electrical design unit to take measures to suppress harmonics. Contact your supplier for more detailed information on the electrical characteristics of LG air conditioners.

LG HVAC