

2020

2020

MULTI VTM

LG AIR
SOLUTION



MULTI VTM



LG Electronics

<http://www.lg.com>
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MULTI V™

BRAND HISTORY

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

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

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

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



2017 MULTI V™ 5

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

2006 MULTI V™

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

2008 MULTI V™ II

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

2010 MULTI V™ III

- High Pressure Oil Return
- Vapor Injection
- Continuous Heating

2013 MULTI V™ IV

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

DUAL SENSING CONTROL
Sensing both temperature & humidity

ULTIMATE INVERTER COMPRESSOR
Newly designed structure & material

LARGE CAPACITY
Providing up to 26HP

HIGH EFFICIENCY

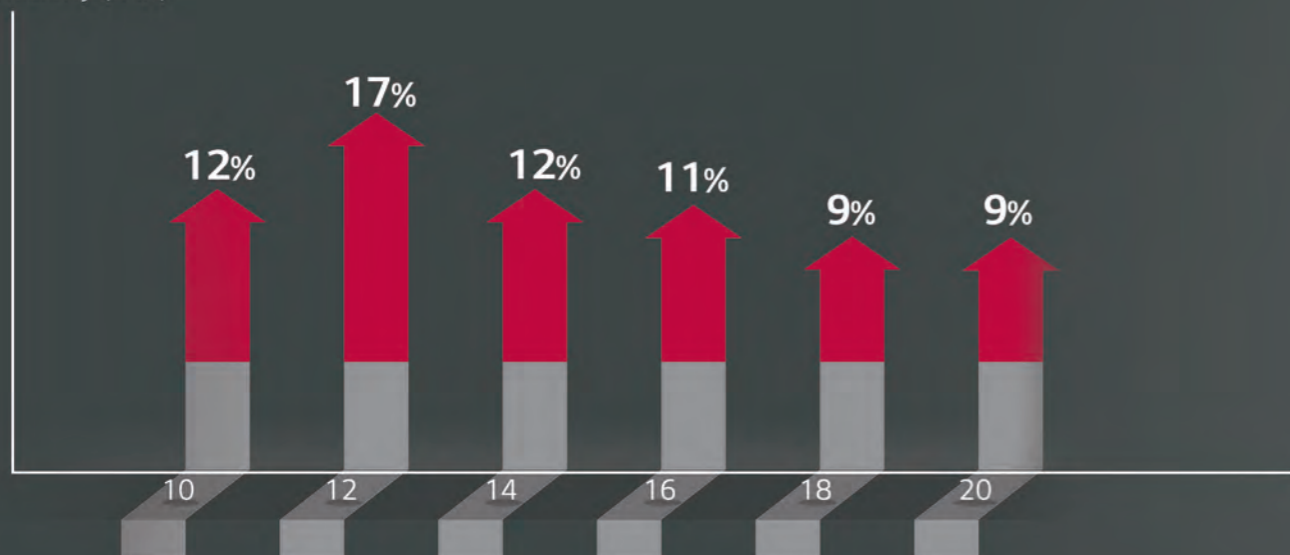
HIGH EFFICIENCY

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

Efficiency comparison

Efficiency (EER)

Previous Model
MULTI V. 5



ULTIMATE INVERTER COMPRESSOR



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

10% IMPROVED ENERGY EFFICIENCY ENHANCED COMPRESSOR RELIABILITY

All Inverter

Provide high efficiency with low vibration and low noise

Six By-pass Valves

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

01. Vapor Injection

Maximize heating capacity via two-stage compression

02. Enhanced Bearing with PEEK Material

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

03. Wide Operation Range from 10 to 165Hz

Improved part load efficiency at all operation ranges

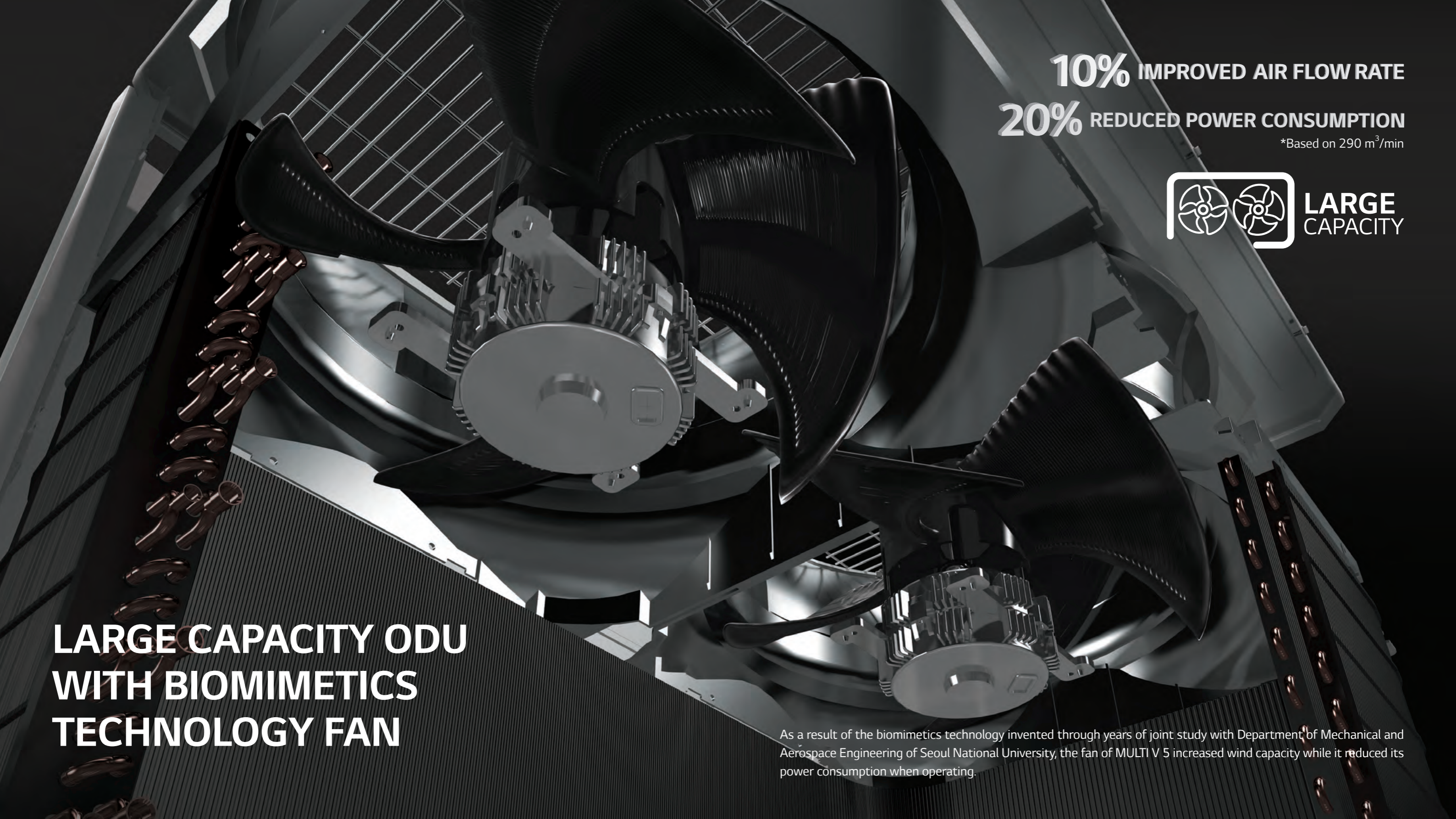
04. HiPOR™ (High Pressure Oil Return)

Resolve compressor efficiency loss caused by oil return

05. Smart Oil Management

Oil level detection in real time





10% IMPROVED AIR FLOW RATE
20% REDUCED POWER CONSUMPTION
*Based on 290 m³/min



LARGE CAPACITY ODU WITH BIOMIMETICS TECHNOLOGY FAN

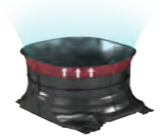
As a result of the biomimetics technology invented through years of joint study with Department of Mechanical and Aerospace Engineering of Seoul National University, the fan of MULTI V 5 increased wind capacity while it reduced its power consumption when operating.



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.

Large Capacity Outdoor Unit

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

DUAL SENSING CONTROL



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

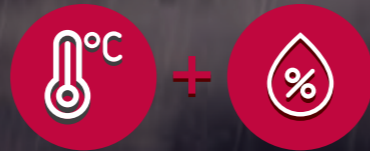
Previous VRF
[Single Sensing]



DID YOU KNOW
THAT VRF UNTIL NOW
HAS ONLY SENSED
SINGLE INFORMATION?



MULTI V 5
[Dual Sensing]



Smart Load Control (SLC)

Optimizes energy efficiency for maximized indoor comfort level

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

Comfort Cooling

Mild cooling operation without stopping in between for maximized user comfort

↑ **Improved Indoor Comfort**

OCEAN BLACK FIN HEAT EXCHANGER

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

Ocean Black Fin



* Test Method B Simulation Validated
(Test condition: Salt contaminated condition + severe industrial/traffic environment (NO₂/SO₂))

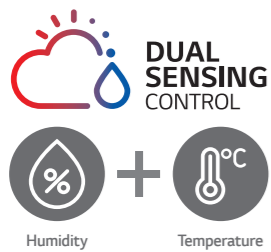
* Based on 1,500 UL test hours



10 ADVANTAGES OF MULTI V

1 ULTIMATE EFFICIENCY

Ultimate Energy Saving with Dual Sensing Control.



2 INNOVATIVE TECHNOLOGIES

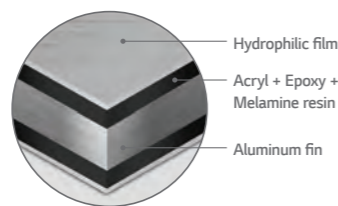
MULTI V 5

- Ultimate Inverter Compressor
- Biomimetics Technology Fan



3 SUPERIOR DURABILITY

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



Certified protection

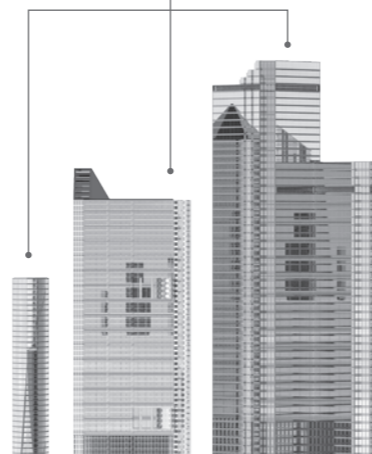


※ Verification of corrosion resistance performance
- Declared by TÜV Rheinland
- Test Method B of ISO21207
- Test condition : Salt contaminated condition + severe industrial/traffic environment

4 DESIGN FLEXIBILITY

Flexible Installation with Large Capacity Outdoor Unit.

MULTI V 5 enables easy type change-over to suit the purpose of any building.



5 SMART CONTROLS

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



7 DIVERSE PRODUCT LINE UP

LG offers a specialized product lineup suited for various business environments, perfectly responding to the unique conditions no matter the use case.

8 DIVERSE INTEGRATED SOLUTION

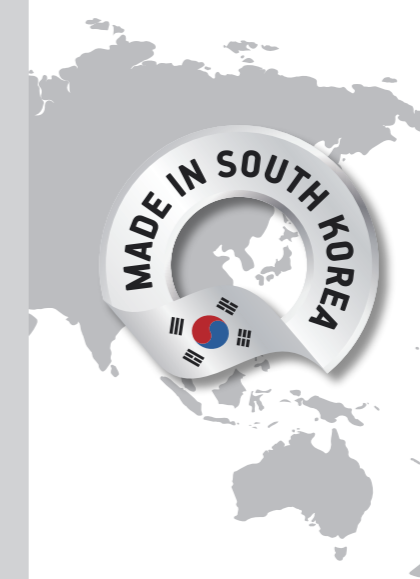
Integrated solution optimized for various business environments, including hot water, AHU, BMS, and EMS.

6 BUSINESS SUPPORT

- Engineering Tools & Support
- LG Air Conditioning Academy
- Asia Regional HQ

9 MADE IN KOREA

LG MULTI V line-up emphasizing high quality and durability with Korea made products.



10 BRAND RELIABILITY

Global production sites facilitate world-class customer service.






















OUTDOOR UNITS LINE-UP









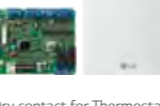














Unit : HP
● 380V, 3Ø

Features	Appearance	8	10	12	14	16	18	20	22	24	26	28	30	32	
MULTI V™ 5 HEAT RECOVERY <ul style="list-style-type: none">• Dual Sensing Control• Large capacity ODU (Up to 26HP)• Continuous Heating• Black Fin heat exchanger• Heat pump or heat recovery function• Flexible installation with heat recovery unit and large capacity• For large space, high rise building and individual control building		●	●	●											
					●	●	●	●	●	●	●				
										●	●	●	●	●	
MULTI V™ 5 HEAT PUMP <ul style="list-style-type: none">• Dual Sensing Control• Large capacity ODU (Up to 32HP)• Continuous Heating• Black Fin heat exchanger• Heat pump function• For large space, high rise building and individual control building		●	●	●											
					●	●	●	●	●	●	●				
													●	●	
										●	●	●	●	●	●
MULTI V™ 5 PRO <ul style="list-style-type: none">• Dual Sensing Control• Large capacity ODU (Up to 26HP)• Compact footprint & Light Weight• Black Fin heat exchanger• Heat pump function• For large space, high rise building and individual control building		●	●	●	●										
					●	●	●	●	●	●					
													●	●	●

34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	...	104					
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LG HVAC CONTROL LINE-UP

INDIVIDUAL CONTROL		CENTRALIZED CONTROL			
Wired Remote Controller		Wireless Remote Controller	Display	Platform	Gateway
Standard	Simple				
<p>Standard III (White)</p>  <p>PREMTB100</p>	<p>Simple</p>  <p>PQRCVCLQW</p>	<p>NEW</p>  <p>PWLSSB21H (H/P)</p>	<p>AC Ez</p>  <p>PQCSZ250S0 (Indoor Unit -32)</p>	<p>ACP 5</p>  <p>PACP5A000 (Indoor Unit -256) BACnet IP / Modbus TCP</p>	<p>ACP LonWorks</p>  <p>PLNWKB000 (Indoor Unit -64)</p>
		<p>Wi-Fi Controller</p> <p>LG Wi-Fi Modem</p>  <p>For Indoor Unit PWFMD200</p>	<p>AC Ez Touch</p>  <p>PACEZA000 (Indoor Unit -64)</p>	<p>AC Manager 5</p>  <p>PACMSA000 (Indoor Unit -8,192)</p>	<p>Modbus RTU Gateway</p>  <p>PMBUSB00A</p>
<p>Standard III (Black)</p>  <p>PREMYB110</p>	 <p>PQRCVCLQ</p>		<p>AC Smart 5</p>  <p>PAC5SA000 (Indoor Unit -128) BACnet IP / Modbus TCP</p>		<p>PI-485</p>  <p>For Indoor Unit (ERV) PHNFP14A0</p>
<p>Standard II (White)</p>  <p>PREMTB001</p>	 <p>PQRCHCAQW (Simple for Hotel)</p>				
<p>Standard II (Black)</p>  <p>PREMTB01</p>	 <p>PQRCHCAQ (Simple for Hotel)</p>				
<p>Premium</p>  <p>PREMTA000 PREMTA000A PREMTA000B</p>					

CENTRALIZED CONTROL	INTEGRATION DEVICE			
Facility Integrator	Indoor Unit		Outdoor Unit	AHU Kit
	Dry Contact	Control Accessory		
<p>PDI (Power Distribution Indicator)</p>  <p>Premium (8 port) PQNUD1S40 Standard (2 port) PPWRDB000</p>	 <p>Simple Dry Contact PDRYCB000</p>	<p>Group Control Wire</p>  <p>PZCWRG3</p>	<p>IO Module (Input / Output Module)</p>  <p>For MULTI V 5 PVDMSN000</p>	<p>Communication Kit</p>  <p>Return / Room Air control PAHCMR000</p>
<p>ACS IO Module (Input / Output Module)</p>  <p>PEXPMB000</p>	 <p>Dry Contact for Thermostat PDRYCB300</p>	<p>Remote Temperature Sensor</p>  <p>PQRSTA0</p>	<p>Variable Water Flow Control kit</p>  <p>For MULTI V WATER IV PWFCKN000</p>	 <p>Discharge / Supply Air control PAHMS000</p>
<p>Chiller Option Kit</p>  <p>PCHLLN000</p>	 <p>Dry contact for Thermostat (For using universal input) NEW PDRYCB320</p>	<p>Low Profile Remote Temperature Button Sensor</p>  <p>ZRTBS01</p>	<p>Low Ambient Kit</p>  <p>For MULTI V IV, 5 PRVC2</p>	<p>Controller Module</p>  <p>Main module NEW PACHMM000</p>
<p>ACU IO Module</p>  <p>PEXPMB300</p>	 <p>2 Points Dry Contact (For Setback) PDRYCB400</p>	<p>Zone Controller</p>  <p>4 Zones by thermostat ABZCA</p>	<p>Cool / Heat Selector</p>  <p>PRDSBM</p>	<p>Communication module</p>  <p>NEW PACHMC000</p>
 <p>PEXPMB200</p>	 <p>For Modbus PDRYCB500</p>		<p>Water Communication Module</p>  <p>NEW PACHMW000</p>	<p>Control kit</p>  <p>PRCKD21E (Up to 4 Master ODU) PRCKD41E (Up to 8 Master ODU)</p>
 <p>PEXPMB100</p>			<p>EEV Kit (Electronic Expansion Valve)</p>  <p>PRLK048A0 (3 - 10 HP) PRLK096A0 (12 - 20 HP) PRLK396A0 (20 - 40 HP) PRLK594A0 (40 - 60 HP)</p>	<p>TXV Kit (Thermal Expansion Valve)</p>  <p>PATX13A0E (8 - 16 HP) PATX20A0E (18 - 26 HP) PATX25A0E (28 - 36 HP) PATX35A0E (38 - 46 HP) PATX50A0E (48 - 56 HP)</p>

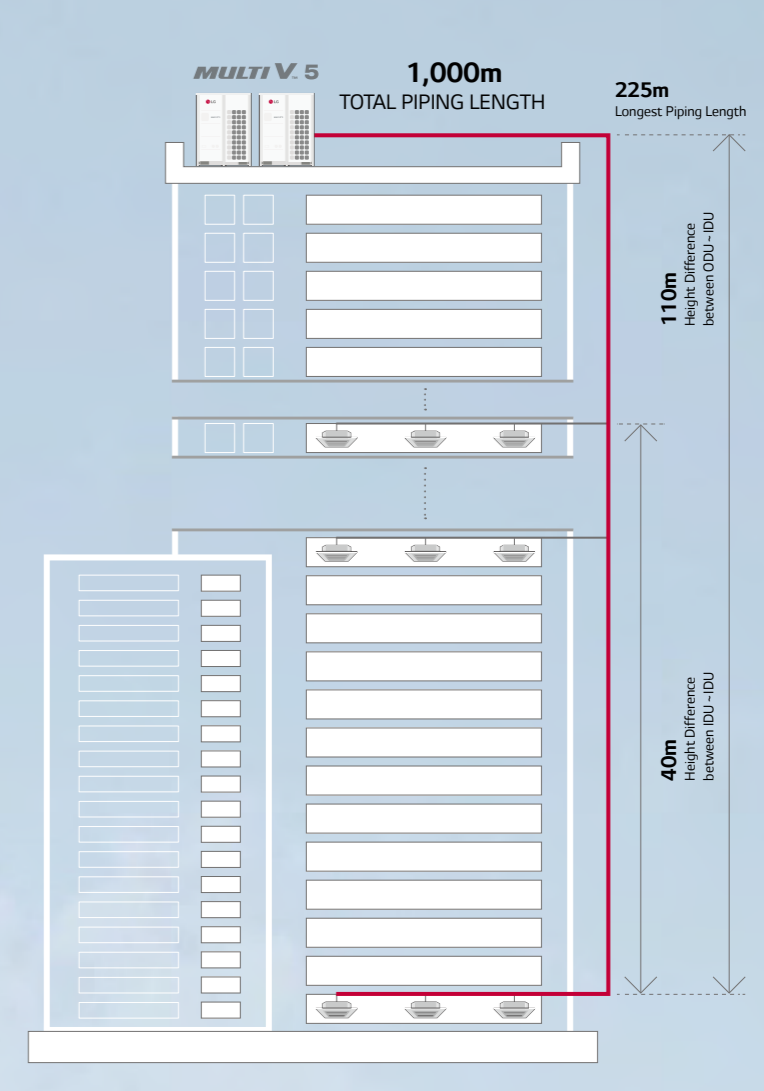
MULTI V™ 5

- Air Cooled VRF Heat Pump
- 22.4kW ~ 268.8kW (Cooling capacity based)
- 3Ø, 380 ~ 415V, 50Hz
- Top discharge outdoor unit

1,000 M
TOTAL PIPING LENGTH



Design
For
The Ultimate



OUTDOOR
UNITS
MULTI V 5 HP



Energy savings



Reliability



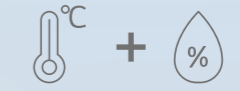
Low noise



Advanced performance

How does it work?

Dual Sensing



Partial Defrost



MULTI V 5

ARUN080LTE5 / ARUN100LTE5

ARUN120LTE5 / ARUN140LTE5



HP			8	10	12	14
Model Name	Combination Unit		ARUN080LTE5	ARUN100LTE5	ARUN120LTE5	ARUN140LTE5
	Independent Unit		ARUN080LTE5	ARUN100LTE5	ARUN120LTE5	ARUN140LTE5
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
	Heating (Rated)	kW	25.2	31.5	37.8	44.1
		Btu/h	86,000	107,500	129,000	150,500
Input	Cooling (Rated)	kW	4.59	5.70	7.91	9.12
	Heating (Rated)	kW	4.74	5.78	8.06	9.78
EER (Rated)			4.88	4.91	4.25	4.30
COP (Rated)			5.32	5.45	4.69	4.51
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 1	5,300 × 1	5,300 × 1	5,300 × 1
	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	1,200 × 1	1,200 × 1	1,200 × 1	900 × 2
	Air Flow Rate(High)	m ³ /min	240 × 1	240 × 1	240 × 1	320 × 1
		ft ³ /min	8,476 × 1	8,476 × 1	8,476 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W × H × D)	mm		(930 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 1	(930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
Net Weight		kg	203 × 1	203 × 1	203 × 1	230 × 1
		lbs	448 × 1	448 × 1	448 × 1	507 × 1
Sound Pressure Level	Cooling	dB(A)	58.0	58.0	59.0	60.0
	Heating	dB(A)	59.0	59.0	60.0	61.0
Sound Power Level	Cooling	dB(A)	78.0	78.0	79.0	82.0
	Heating	dB(A)	79.0	79.0	80.0	84.0
Communication Cable		No. × mm ² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	10.0	10.0	10.0	13.0
		lbs	22.0	22.0	22.0	28.7
	t-CO ₂ eq		20.9	20.9	20.9	27.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		∅, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of maximum connectable indoor units			13 (20)	16 (25)	20 (30)	23 (35)

Note

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

MULTI V 5

ARUN160LTE5 / ARUN180LTE5

ARUN200LTE5 / ARUN220LTE5



HP			16	18	20	22
Model Name	Combination Unit		ARUN160LTE5	ARUN180LTE5	ARUN200LTE5	ARUN220LTE5
	Independent Unit		ARUN160LTE5	ARUN180LTE5	ARUN200LTE5	ARUN220LTE5
Capacity	Cooling (Rated)	kW	44.8	50.4	56.0	61.6
		Btu/h	152,900	172,000	191,100	210,200
	Heating (Rated)	kW	50.4	56.7	63.0	69.3
		Btu/h	172,000	193,500	215,000	236,500
Input	Cooling (Rated)	kW	10.80	10.96	12.31	14.84
	Heating (Rated)	kW	11.59	12.06	15.52	17.54
EER (Rated)			4.15	4.60	4.55	4.15
COP (Rated)			4.35	4.70	4.06	3.95
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 1	5,300 × 1 + 4,200 × 1	5,300 × 2	5,300 × 2
	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	900 × 2	900 × 2	900 × 2	900 × 2
	Air Flow Rate(High)	m ³ /min	320 × 1	320 × 1	320 × 1	320 × 1
		ft ³ /min	11,301 × 1	11,301 × 1	11,301 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W × H × D)	mm		(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
Net Weight		kg	230 × 1	270 × 1	288 × 1	288 × 1
		lbs	507 × 1	595 × 1	635 × 1	635 × 1
Sound Pressure Level	Cooling	dB(A)	60.5	61.0	62.0	64.5
	Heating	dB(A)	61.5	62.0	64.5	65.5
Sound Power Level	Cooling	dB(A)	83.0	85.0	86.0	86.0
	Heating	dB(A)	85.0	86.0	87.0	88.0
Communication Cable		No. × mm ² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	13.0	13.0	14.0	14.0
		lbs	28.7	28.7	30.9	30.9
	t-CO ₂ eq		27.1	27.1	29.2	29.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		∅, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of maximum connectable indoor units			26 (40)	29 (45)	32 (50)	35 (56)

Note

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- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions:
 *Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 *Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V 5

ARUN240LTE5 / ARUN260LTE5



HP			24	26
Model Name	Combination Unit		ARUN240LTE5	ARUN260LTE5
	Independent Unit		ARUN240LTE5	ARUN260LTE5
Capacity	Cooling (Rated)	kW	67.2	72.8
		Btu/h	229,300	248,400
	Heating (Rated)	kW	74.3	74.3
		Btu/h	253,400	253,400
Input	Cooling (Rated)	kW	16.76	19.41
	Heating (Rated)	kW	18.85	19.49
EER (Rated)			4.01	3.75
COP (Rated)			3.94	3.81
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 2	5,300 × 2
	Type		Propeller fan	Propeller fan
	Motor Output × Number	W	900 × 2	900 × 2
Fan	Air Flow Rate(High)	m ³ /min	320 × 1	320 × 1
		ft ³ /min	11,301 × 1	11,301 × 1
	External Static Pressure (Max, Pa)		80	80
	Drive		DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP
Pipe Connections	Liquid Pipe	mm (inch)	15.88 (5/8)	19.05 (3/4)
	Gas Pipe	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1
Net Weight			290 × 1	290 × 1
			639 × 1	639 × 1
Sound Pressure Level	Cooling	dB(A)	65.0	65.0
	Heating	dB(A)	67.0	67.0
Sound Power Level	Cooling	dB(A)	88.0	88.0
	Heating	dB(A)	90.0	90.0
Communication Cable		No.×mm ² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount in factory	kg	16.0	16.0
		lbs	35.3	35.3
	TCO ₂ eq		33.4	33.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380-415, 50	3, 380-415, 50
Number of maximum connectable indoor units			39 (61)	42 (64)

Note

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- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions:
*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V 5

ARUN300LTN5 / ARUN320LTN5



HP			30'	32'
Model Name	Combination Unit		ARUN300LTN5	ARUN320LTN5
	Independent Unit		ARUN300LTN5	ARUN320LTN5
Capacity	Cooling (Rated)	kW	84.0	89.6
		Btu/h	286,600	305,700
	Heating (Rated)	kW	94.5	100.8
		Btu/h	322,400	343,900
Input	Cooling (Rated)	kW	22.40	27.15
	Heating (Rated)	kW	22.00	24.90
EER (Rated)			3.75	3.30
COP (Rated)			4.30	4.05
Power Factor	Rated	-	0.93	0.93
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 2	5,300 × 2
	Type		Propeller Fan	Propeller Fan
	Motor Output × Number	W	1,500 × 2	1,500 × 2
Fan	Air Flow Rate(High)	m ³ /min	430 × 2	430 × 2
		ft ³ /min	15,185 × 2	15,185 × 2
	External Static Pressure (Max, Pa)		80	80
	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)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W × H × D)		mm	(1,640 × 1,690 × 760) × 1	(1,640 × 1,690 × 760) × 1
Net Weight			362 × 1	362 × 1
			798 × 1	798 × 1
Sound Pressure Level	Cooling	dB(A)	65.0	65.0
	Heating	dB(A)	67.0	67.0
Sound Power Level	Cooling	dB(A)	88.0	88.0
	Heating	dB(A)	90.0	90.0
Communication Cable		No.×mm ² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A
	Precharged Amount in factory	kg	17.5	17.5
		lbs	38.6	38.6
	TCO ₂ eq		36.5	36.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3, 380-415, 50	3, 380-415, 50
Number of maximum connectable indoor units			49 (60)	52 (64)

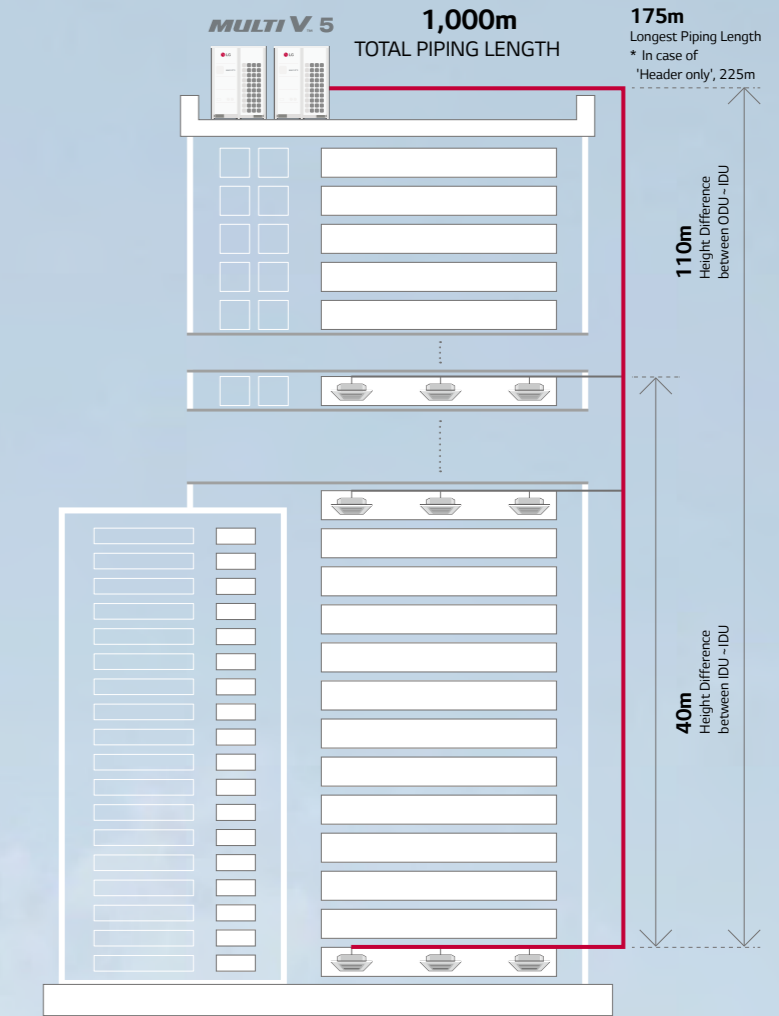
Note

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- Performances are based on the following conditions:
*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
- The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
- This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V™ 5 PRO

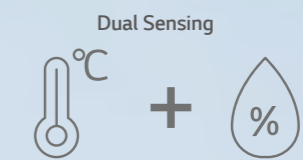
- Air cooled VRF Heat Pump
- 22.4kW ~ 291.2kW (Cooling capacity based)
- 3Ø, 380 ~ 415V, 50Hz
- Top discharge outdoor unit

1,000 M
TOTAL PIPING LENGTH



OUTDOOR UNITS
MULTI V 5 PRO

How does it work?



Energy savings



Reliability



Low noise



Advanced performance

Design
For
The Ultimate

MULTI V 5 PRO

ARUN080LLS5 / ARUN100LLS5
ARUN120LLS5 / ARUN140LLS5



HP			8	10	12	14
Model Name	Combination Unit		ARUN080LLS5	ARUN100LLS5	ARUN120LLS5	ARUN140LLS5
	Independent Unit		ARUN080LLS5	ARUN100LLS5	ARUN120LLS5	ARUN140LLS5
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
	Heating (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
Input (Rated)	Cooling	kW	5.10	6.80	8.90	10.60
	Heating	kW	5.03	7.07	9.10	11.60
EER (Rated)			4.39	4.12	3.78	3.70
COP (Rated)			4.45	3.96	3.69	3.38
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	4,200	4,200	5,300	5,300
	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output x Number	W	1,200	1,200	1,200	1,200
	Air Flow Rate (High)	m ³ /min	240	240	240	240
		ft ³ /min	8,476	8,476	8,476	8,476
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Gas Pipe	mm (inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Dimensions (W x H x D)	mm		(930 x 1,690 x 760)	(930 x 1,690 x 760)	(930 x 1,690 x 760)	(930 x 1,690 x 760)
Net Weight	kg		175	175	175	185
Sound Pressure Level	Cooling	dB(A)	58.0	58.0	59.0	60.0
	Heating	dB(A)	59.0	59.0	60.0	61.0
Sound Power Level	Cooling	dB(A)	78.0	78.0	79.0	82.0
	Heating	dB(A)	79.0	79.0	80.0	83.0
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A	R410A
	Precharged Amount in Factory	kg	4.7	4.7	4.7	7.5
	GWP		2,087.5	2,087.5	2,087.5	2,087.5
	TCO2eq		9.8	9.8	9.8	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3,380 - 415, 50	3,380 - 415, 50	3,380 - 415, 50	3,380 - 415, 50
			3,380, 60	3,380, 60	3,380, 60	3,380, 60
Number of Maximum Connectable Indoor Units			13 (20)	16 (25)	20 (30)	23 (35)

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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 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V 5 PRO

ARUN160LLS5 / ARUN180LLS5
ARUN200LLS5



HP			16	18	20
Model Name	Combination Unit		ARUN160LLS5	ARUN180LLS5	ARUN200LLS5
	Independent Unit		ARUN160LLS5	ARUN180LLS5	ARUN200LLS5
Capacity	Cooling (Rated)	kW	44.8	50.4	56.0
		Btu/h	152,900	172,000	191,100
	Heating (Rated)	kW	44.8	50.4	56.0
		Btu/h	152,900	172,000	191,100
Input (Rated)	Cooling	kW	11.90	12.30	14.10
	Heating	kW	12.10	12.10	14.50
EER (Rated)			3.76	4.10	3.97
COP (Rated)			3.70	4.17	3.86
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	5,300	7,500	7,500
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output x Number	W	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m ³ /min	320	320	320
		ft ³ /min	11,301	11,301	11,301
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	12.7 (1/2)	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)	(1,240 x 1,690 x 760)	(1,240 x 1,690 x 760)
Net Weight	kg		205	230	230
Sound Pressure Level	Cooling	dB(A)	60.5	62.0	63.0
	Heating	dB(A)	61.5	64.5	66.0
Sound Power Level	Cooling	dB(A)	83.0	85.0	86.0
	Heating	dB(A)	85.0	86.0	89.0
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
Refrigerant	Refrigerant Name		R410A	R410A	R410A
	Precharged Amount in Factory	kg	6.5	7.5	7.5
	GWP		2,087.5	2,087.5	2,087.5
	TCO2eq		13.6	15.7	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		3,380 - 415, 50	3,380 - 415, 50	3,380 - 415, 50
			3,380, 60	3,380, 60	3,380, 60
Number of Maximum Connectable Indoor Units			26 (40)	29 (45)	32 (50)

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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 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

MULTI V 5 PRO

ARUN220LLS5 / ARUN240LLS5
ARUN260LLS5



HP			22	24	26
Model Name	Combination Unit		ARUN220LLS5	ARUN240LLS5	ARUN260LLS5
	Independent Unit		ARUN220LLS5	ARUN240LLS5	ARUN260LLS5
Capacity	Cooling (Rated)	kW	61.6	67.2	72.8
		Btu/h	210,200	229,300	248,400
	Heating (Rated)	kW	61.6	67.2	72.8
		Btu/h	210,200	229,300	248,400
Input (Rated)	Cooling	kW	16.80	18.20	20.80
	Heating	kW	17.80	17.90	20.50
EER (Rated)			3.67	3.69	3.50
COP (Rated)			3.46	3.75	3.55
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output x Number	W x No.	7,500	5,300 x 2	5,300 x 2
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output x Number	W	900 x 2	900 x 2	900 x 2
	Air Flow Rate (High)	m ³ /min	320	320	320
		ft ³ /min	11,301	11,301	11,301
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top		TOP	TOP	
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
	Gas Pipe	mm (inch)	28.58 (1-1/8)	34.9 (1-3/8)	34.9 (1-3/8)
Dimensions (W x H x D)	mm		(1,240 x 1,690 x 760)	(1,240 x 1,690 x 760)	(1,240 x 1,690 x 760)
Net Weight	kg		230	250	250
Sound Pressure Level	Cooling	dB(A)	64.0	65.0	65.0
	Heating	dB(A)	67.0	67.0	67.0
Sound Power Level	Cooling	dB(A)	87.0	88.0	88.0
	Heating	dB(A)	90.0	90.0	90.0
Communication Cable	No. x mm ² (VCTF-SB)		2C x 1.0 - 1.5	2C x 1.0 - 1.5	2C x 1.0 - 1.5
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
	TCO2eq		15.7	23.0	23.0
	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
Number of Maximum Connectable Indoor Units			35 (56)	39 (61)	42 (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 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
 5. Performances are based on the following conditions - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is Zero.
 6. The numbers in parentheses means maximum connectable indoor units in accordance with outdoor units combination. The recommended ratio is 130%.
 7. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

INDOOR UNIT

WALL MOUNTED / CEILING MOUNTED CASSETTE / CEILING MOUNTED ROUND CASSETTE /
CEILING CONCEALED DUCT / FRESH AIR INTAKE / CEILING SUSPENDED / CONSOLE



WALL MOUNTED



Features & Benefits

- 6 Different discharge angles can be programmed via the remote controller.
- Easily detachable full surface cover helps to clean the air conditioner.
- D rain pipe can be easily hidden from sight.

Key Applications

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

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

※ ○: Applied, - : Not applied

SMART

Wi-Fi Control

Anytime, anywhere access to the unit with Android & iOS-based smartphones.



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

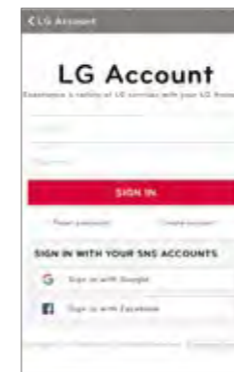
Integrated Home Appliances Control

Control / Monitor all your LG appliances from one place.



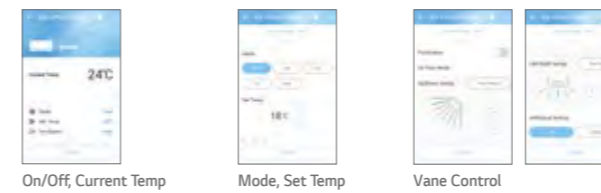
Easy Registration and Log-in

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



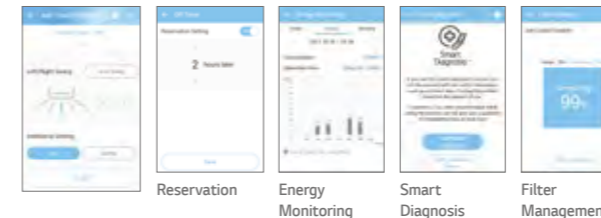
* Wi-fi modem(option) is necessary for this function

Simple operation for various functions



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

Straight forward Management



Reservation Energy Monitoring Smart Diagnosis Filter Management

Access your air conditioner anytime and from anywhere

With a Wi-Fi equipped device and LG's exclusive control app, LG ThinQ.



Wi-Fi Connectivity

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

Multiple Devices



Can be controlled by multiple users, but not simultaneously.

Multi-Control



FRESH AIR

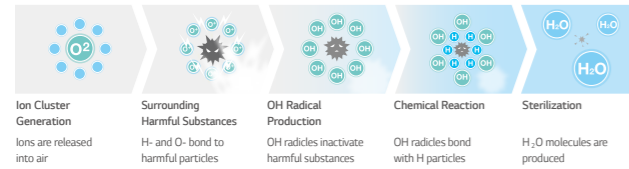
Ionizer PLUS

The powerful Ionizer protects you from bad odors and Escherichia coli and Staphylococcus in the surface with over 3 million ions to sterilize to make a safer, and cleaner environment.

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

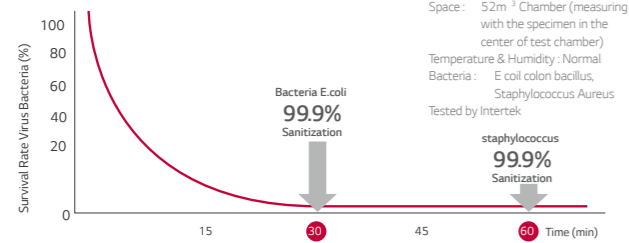
Sterilization and Deodorization (Utilizes Over 3 Million Ions)

Ionizer+ reduces E.coli and Staphylococcus in the surface with over 3 million ions.



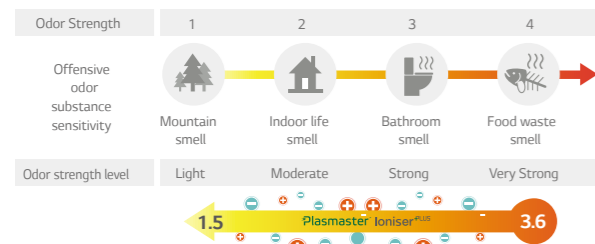
Sterilization Performance Evaluations

Sterilize Bacteria E.coli over 99.9% in 30 min. and staphylococcus over 99.6% in 60min.



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.

Test conditions:
Space: 8m³ Chamber
Temperature & Humidity: Normal
Tested by Intertek

Auto Cleaning

The unit has a self-cleaning function that dries the heat exchanger before sterilizing the interior.

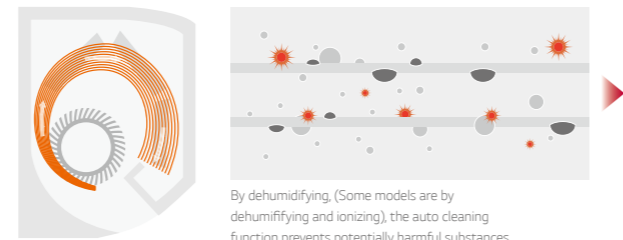
Pain Point

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.

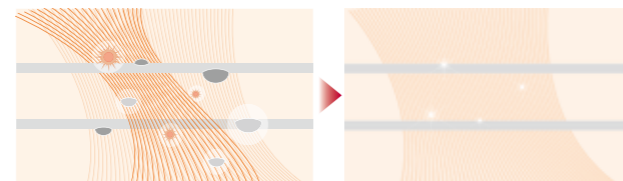


Cleans Filter with Regular Airflow

The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger.



By dehumidifying, (Some models are by dehumidifying and ionizing), the auto cleaning function prevents potentially harmful substances from forming on the surface of the heat exchanger.



The indoor environment remains odorless with the advanced deodorizing function.

By preventing pollution of the heat exchanger caused by various germs and bacteria, performance and lifespan of the air conditioner can be increased over 10 years.

Auto cleaning

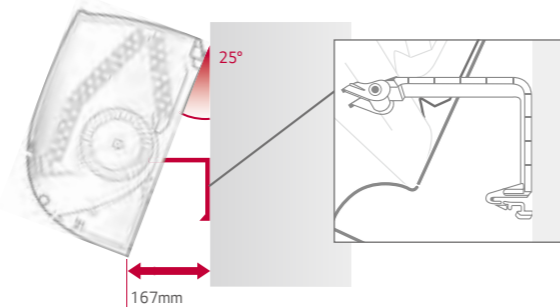
Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.



Installation

Installation Support Clip

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



FAST COOLING & HEATING

Auto Swing

Cool air extends to the entire room regardless of where the unit is situated.

※ Specifications may vary for each model.

6-Step Vane Control up to 70°

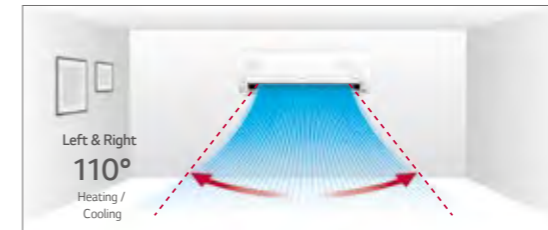
The vertical vane, which moves up and down, has 6 different settings including full-auto swing.



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

Control up to 110°

Louver can be adjusted manually to extend left and right swing to 110 degrees.



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

Easy and Simple Control

Airflow direction can be changed by LG 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.

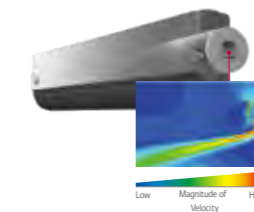
One Click "Jet Mode"

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 air flow is increased to 13 CMM.

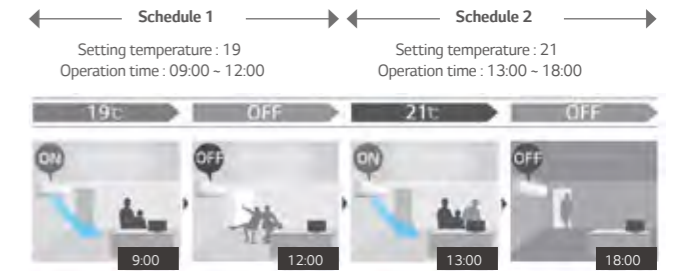


COMFORT

Scheduled Operation

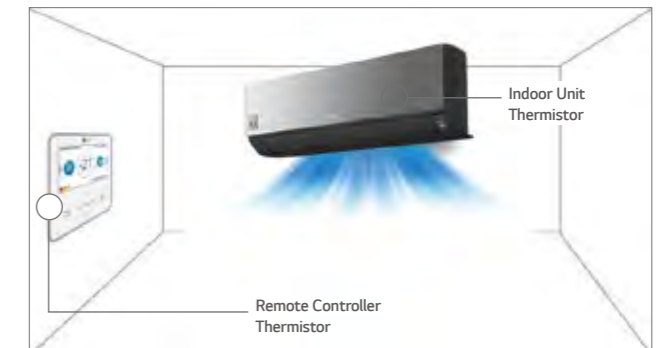
You can set the daily temperature, fan speed, the operation mode and automatic On / Off time for two weeks. It will keep running on that time until cancelled by the user.

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



Two Thermistors Control

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



Group Control

Group control by new remote controller (PREMTB100 / PREMTBB10) has more functions than previous model.



CEILING MOUNTED CASSETTE



Features & Benefits

- New dual vane 4 way cassette allows comfortable air flow.
- Full 3D Turbo fan decreases air resistance, providing high air flow and low sound levels.

Key Applications

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

Cassette	4 Way	2 Way	1 Way
Smart	○	○	○
Energy Efficiency	○	-	-
	○	○	○
	○	○	○
Comfort	○	○	○
	○	○	○
	○	○	○
	○	○	○
	○	○	○

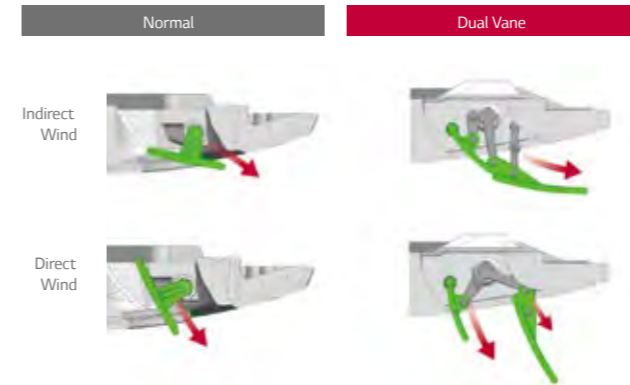
NEW DESIGN

4 Way Air Flow with New Design

New Excellent Technology (NET) certifies new 4 way dual vane design that promotes comfortable and convenient airflow.



*New types wind



*6 Airflows mode



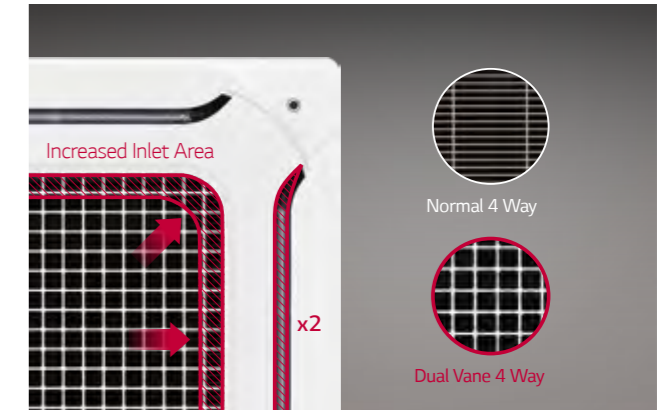
Brighter Color

Color enhancement allows cassette to blend in to most interior ceiling spaces.



Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.



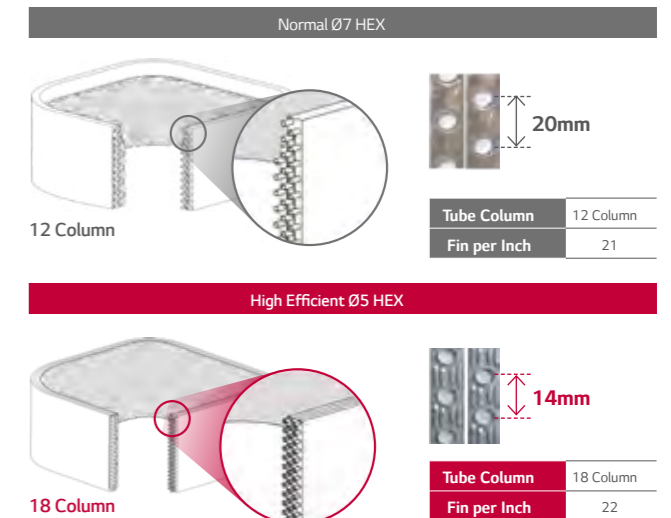
Full 3D Turbo Fan

Full 3D Turbo fan decreases air resistance, so it makes High Efficient and reduces noise level.



High Efficiency Heat Exchanger (HEX)

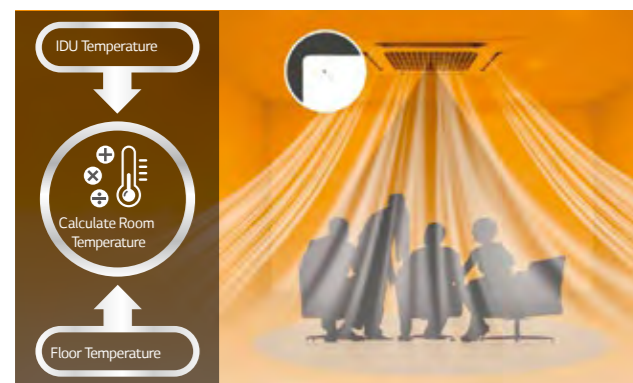
Ø5 High Density Heat Exchanger increases cooling / heating efficiency by 10%.



SMART

Ceiling to Floor Temperature Sensing

With a special sensor that sense both ceiling and floor temperature, dual vane 4 way cassette provides comfort air.



* Available only for products with floor temperature sensor.

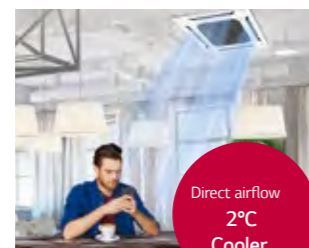
Human-detection Air Flow

Human detection provides users with direct or indirect air flow preferences.

Indirect comfort
Provides air flow that blows away from user for comfort.



Direct cooling
Provides air flow that blows directly onto user for cooling.



Human Detection for Optimized Efficiency

Indoor unit senses human presence to switch on or off for maximum power savings of 54%.



* Smart Dual Vane Indoor Unit *19 Line up.
* Data Based on actual test of LG, single product 2 hours measurement result. (Cooling 26 , strong wind)

High-performance Air Cleaning

Air cleaning function provides fresh, filtered air.



Convenient & Powerful 4-Step Air Cleaning

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



Cycle Management

Pre-filter	Dust Electrification	Ultra Fine Dust Kit	Deodorizing Filter
Easy removable pre-filter	-	6 months / Washable	6 months / Dry

SMART

Air Cleaning Status Display

Wi-Fi functionality for anytime, anywhere indoor unit control and air cleaning status display.

① IDU LED

Real-time indoor air quality status displayed on indoor unit

② Remote controller

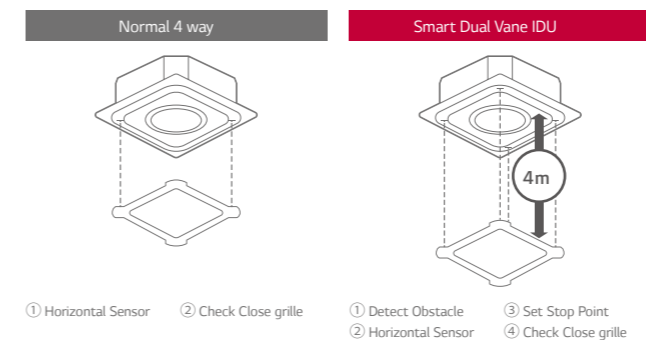
Fine dust concentration & air quality status displayed on remote control

③ Mobile

Anytime, anywhere access to check & control air status via mobile

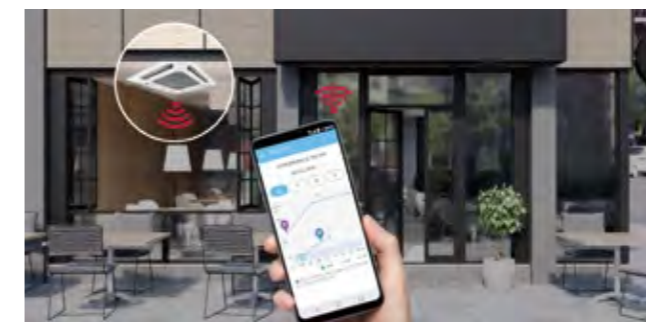
Dual Elevating Grille

Grille automatically detaches and re-attaches with 4 touchpoints for enhanced stability & convenient filter management.



LG ThinQ Connectivity

Anytime anywhere access to indoor units with LG ThinQ mobile app.

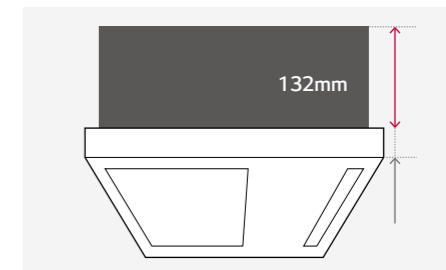


- Monitoring Air status
 - Easy to check indoor air status
 - Ultra Fine / Extra Fine / Fine Dust
 - Day / Week / Month / Yearly
- Mobile Remote Control
 - Remote control by using mobile phone
 - Control Mode / Temperature / Air flow etc.
- Display Power Consumption
 - Check power consumption of A/C
 - Check energy display
 - Set target energy consumption level

INSTALLATION

Minimized Height

With a height of 132mm, the LG 1 Way cassette is the ideal solution for limited-space installations.

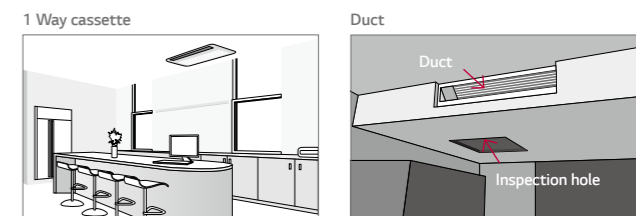


Size Comparison (Unit : mm)

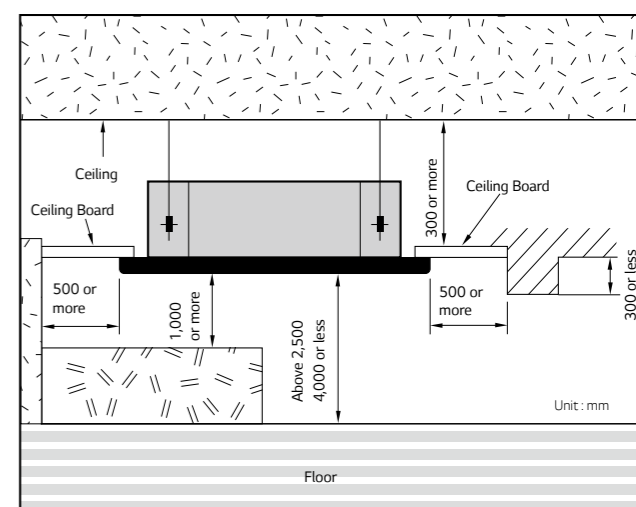
	A Company	B Company	LG
1 Way Cassette	215	230	132

Flexible Installation

1 Way cassette doesn't require the inspection access hole, so that simple installation is possible.



Installation Standard



CEILING MOUNTED ROUND CASSETTE



Features & Benefits

- Luxury round design can make a luxurious space with a round design considering side view.
- Perfect round air flow without blind spots.

Key Applications

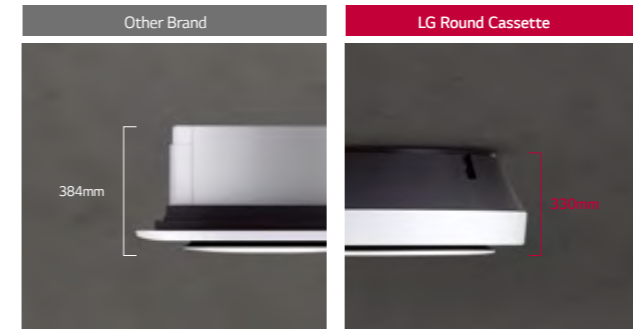
- Retail
- Restaurant
- Office
- Hotel

	Cassette	Round
Smart	Wi-Fi	0
Energy Efficiency	Human Detect Sensor	-
	Drain Pump	0
	Sleep Mode	0
Comfort	Timer (On / Off)	0
	Timer (Weekly)	0
	Two Thermistor Control	0
	Group Control	0

NEW DESIGN

Slim and Compact design

Reduce the height of the body by 15% save space and maximize the openness of the interior space.

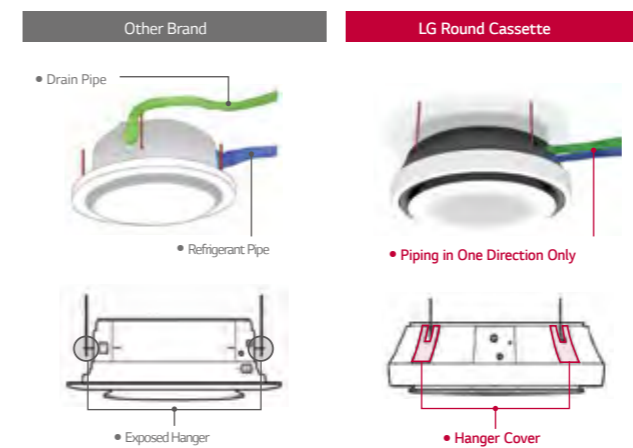


* Product : 48 kBtu

15% less body height makes room more higher

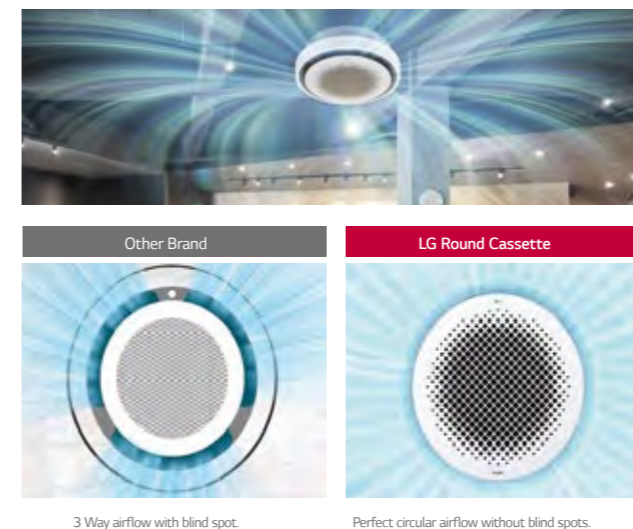
Minimal exposure design

Pipes are brought together in one place to minimize exposure. Hanger covers hide installations to add a clean look.



Perfect round air flow

Perfect round flow without blind spots.

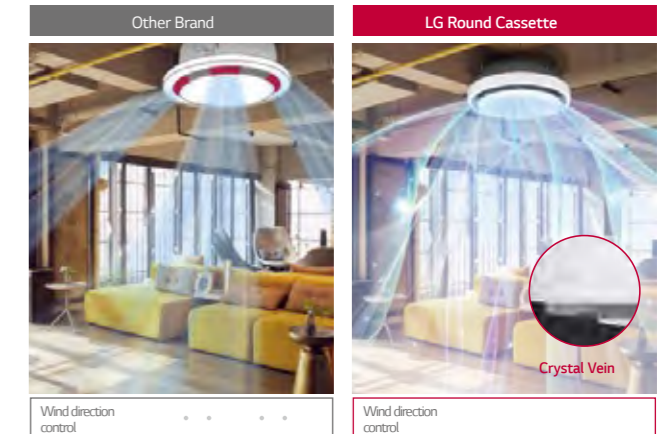


3 Way airflow with blind spot.

Perfect circular airflow without blind spots.

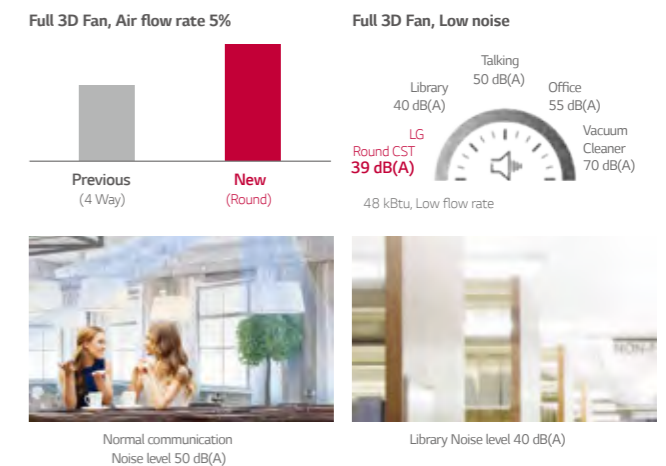
Visible air flow

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



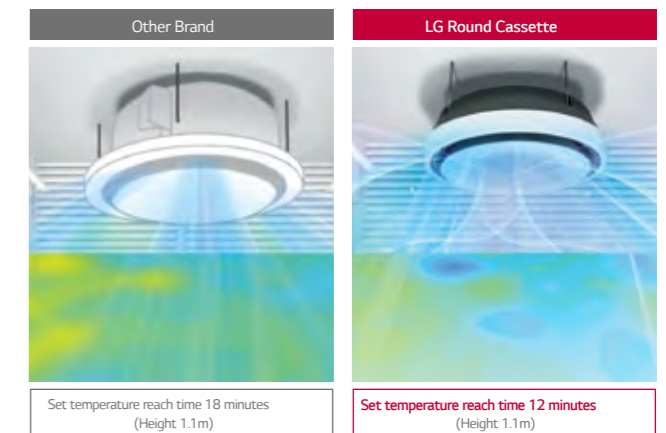
Powerful and Quiet air flow

3D fan increases airflow by 5% and noise reduction technology makes a quieter, more comfortable space.



30% Faster in cooling

Larger airflow rate, cooling rate is faster than 30%.



* Based on test results from LG chamber, this image is designed to help customers understand. Experimental environment: height 3.2m, 48 kBtu, cooling mode, high flow rate, horizontal air flow direction

CEILING CONCEALED DUCT



Features & Benefits

- Easy and flexible duct adjusts air volume with External Static Pressure (ESP) control function.
- Minimalist visibility (Hidden within ceiling) to blend seamlessly into any interior

Key Applications

- Office
- Hotel
- Retail
- Residential building

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

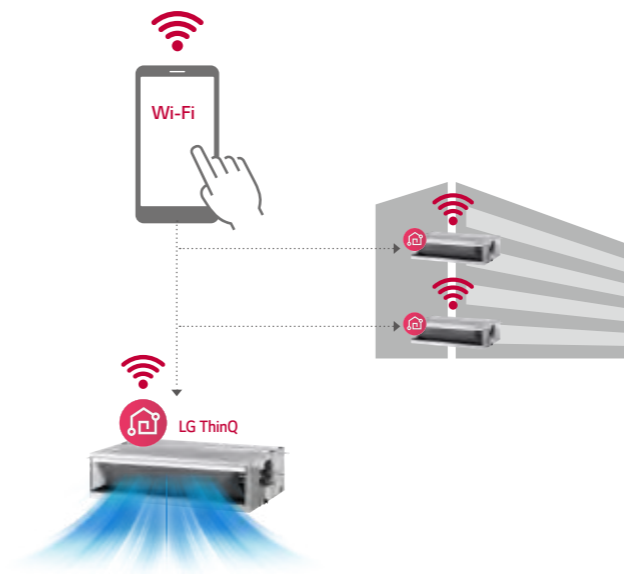
※ ○ : Applied, - : Not applied

SMART

Wi-Fi Control

Anytime, anywhere access with LG ThinQ mobile app.

LG ThinQ
Search "LG ThinQ" on Google market or Appstore then download the app.



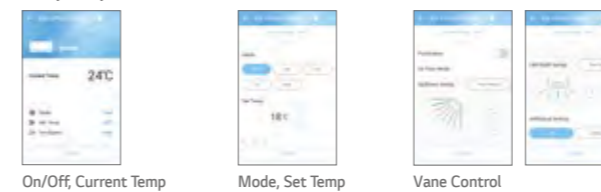
* Wi-fi modem(option) is necessary for this function

Easy Registration and Log-in

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



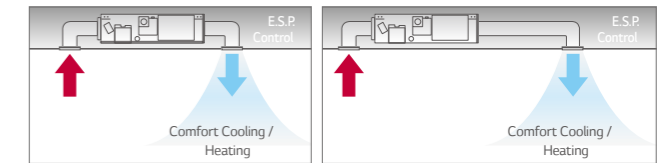
Simple operation for various functions



ENERGY EFFICIENCY

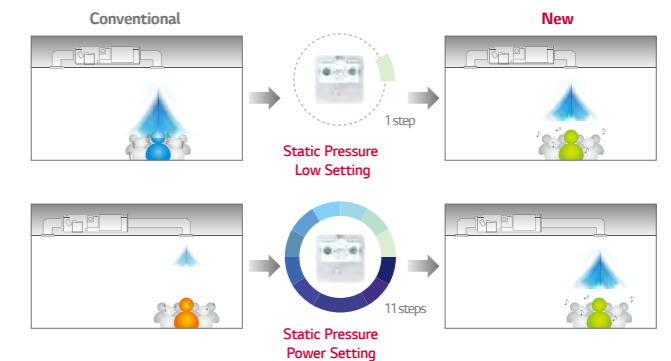
External Static Pressure (ESP) Control

User has easy access to air volume selection via remote controller using the ESP control function. The BLDC motor can control fan speed and air volume. No additional accessories are necessary to control air flow.



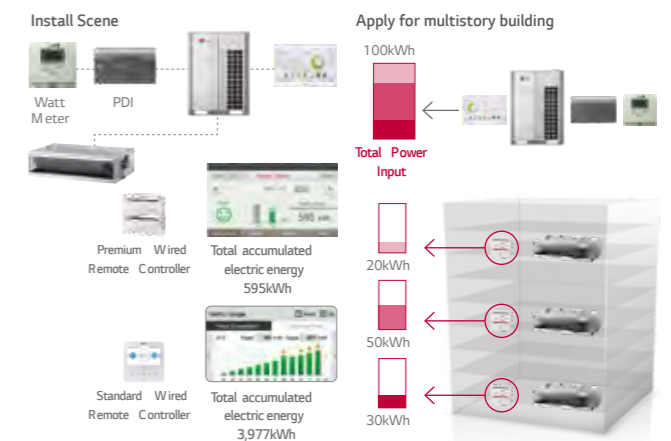
Static Pressure 11- Step Control

Depending on the installation environment, LG's ceiling concealed duct controls the static pressure with 11 steps to provide maximized comfort to any environment.



Energy Monitoring

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

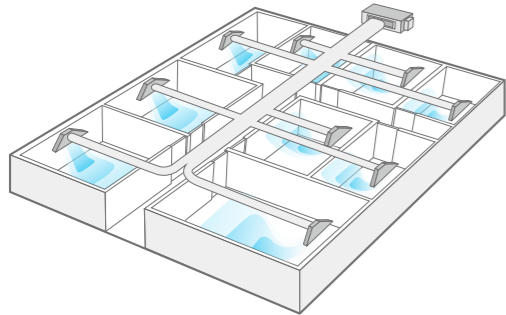


※ Outdoor unit's accumulated electric energy / using rate of individual indoor unit + indoor unit's accumulated electric energy is displayed in wired remote controller; only when central controller, digital integrating electricity meter and PDI are installed and PDI, outdoor unit and indoor unit are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

COMFORT

Multiple Room Operation

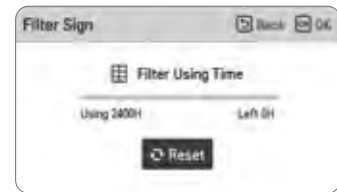
Using a spiral duct (Embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously.



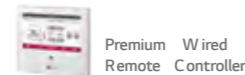
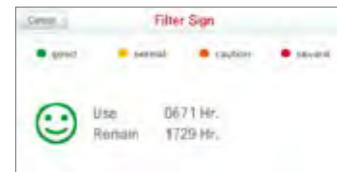
Filter Alert

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

Remain Time Until Indoor Filter Cleaning + Alarm



Remain time until indoor filter cleaning 2,400hr.

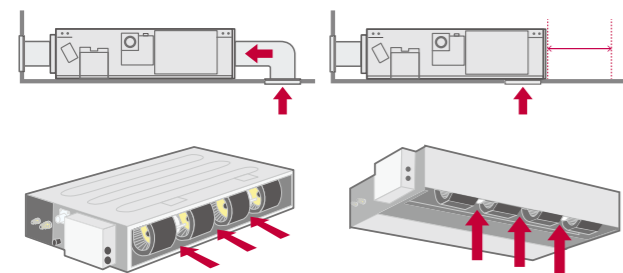


Remain time until indoor filter cleaning 1,729hr.

Flexible Installation (Low Static Duct Only)

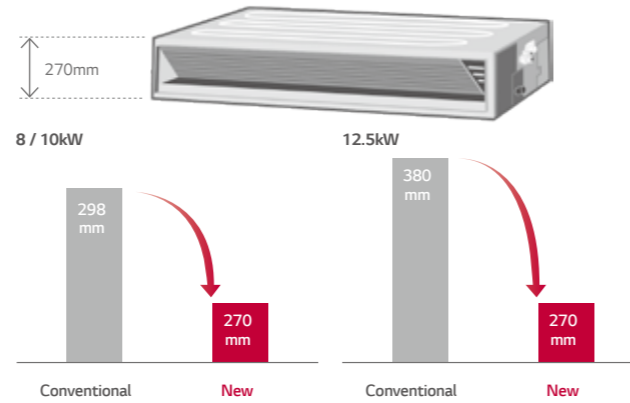
The low static duct allows the air intake at the rear or bottom under specific installation conditions.

Air intake at the rear or bottom



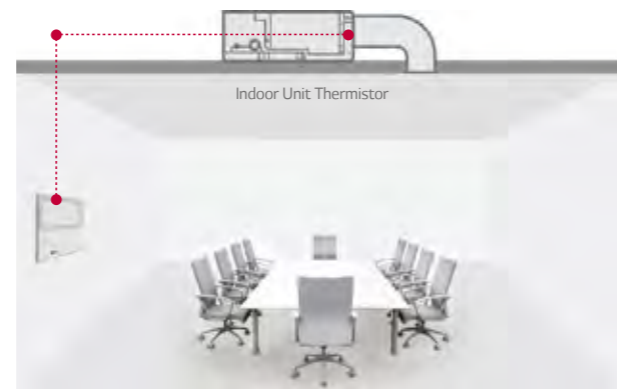
Minimized Height

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



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 optimise indoor air temperature for a more comfortable environment.

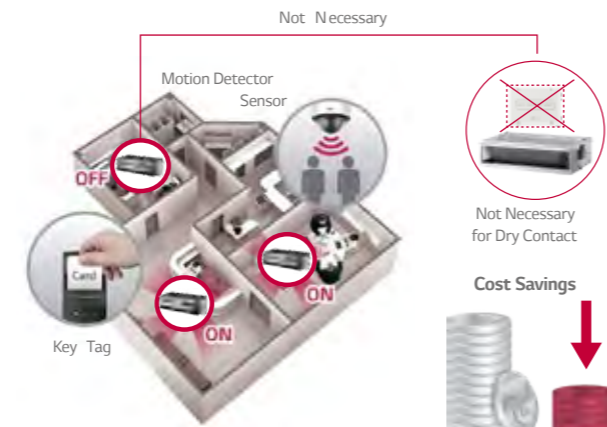


Remote Controller Thermistor

1 Point External Input (On / Off Control)

Indoor unit can be controlled by external devices without dry contact, so customer can save cost of installation.

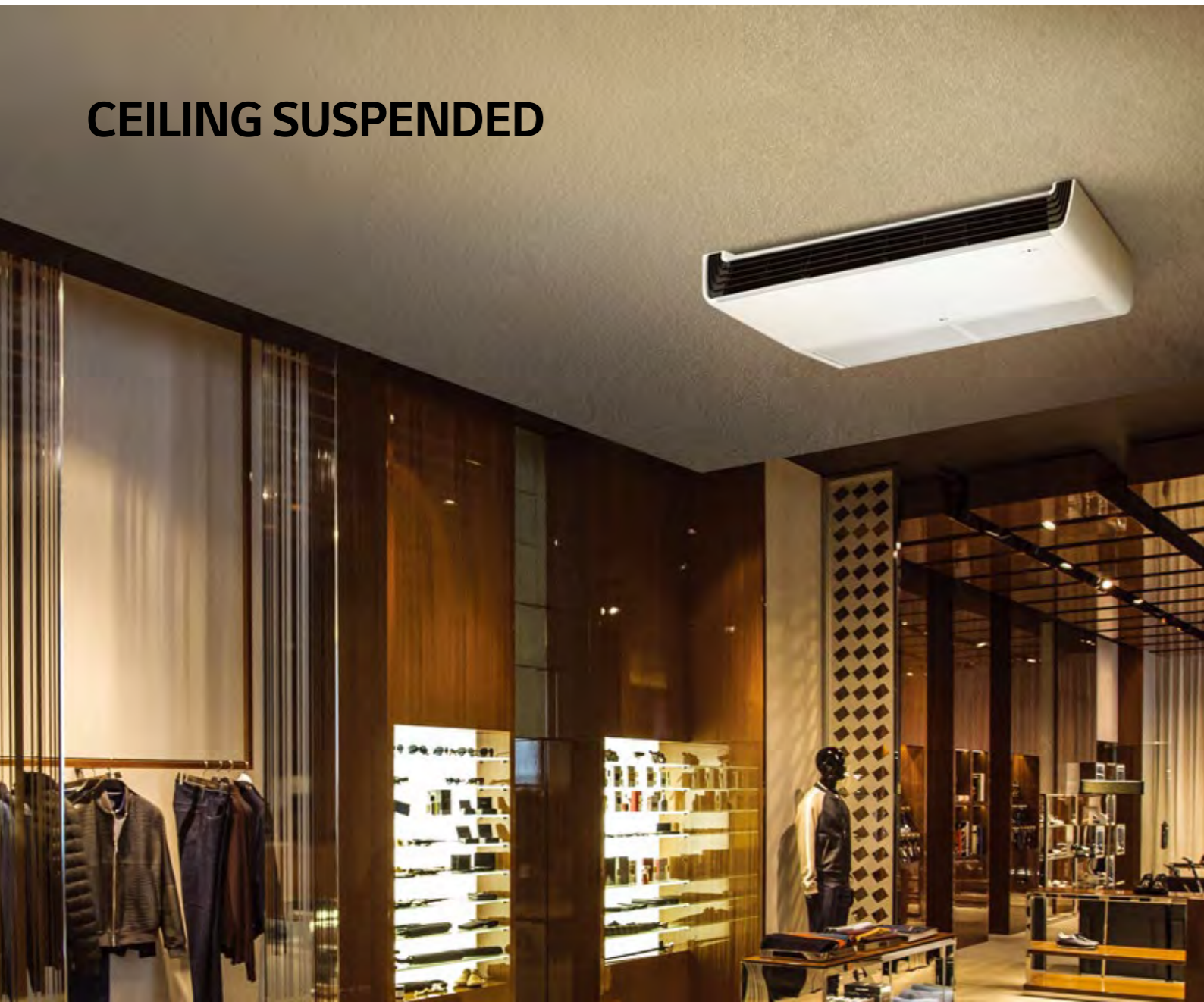
Connection between an indoor unit and external devices directly



* In case of needing more functions beside on / off control, a dry contact is required to be installed.



CEILING SUSPENDED



Features & Benefits

- Modern design with V-shape and black vane
- Powerful air speed and volume can reach up to 15m

Key Applications

- Retail
- Shop
- Restaurant

	Ceilings	Ceiling & Floor Convertible	Ceiling Suspended
Smart	Wi-Fi	○	○
Fast Cooling & Heating	Jet Cool	○	○
	Sleep mode	○	○
	Timer (On / Off)	○	○
Comfort	Timer (Weekly)	○	○
	Two thermistor control	○	○
	Group control	○	○

※ ○ : Applied, - : Not applied

SMART

Wi-Fi Control

Access your air conditioner anytime and from anywhere.

LG ThinQ
 Search "LG ThinQ" on Google market or Appstore then download the app.



Easy Registration and Log-in

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



* Wi-fi modem(option) is necessary for this function

COMFORT (CONVERTIBLE)

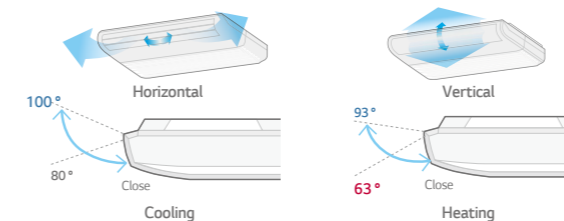
Flexible

The ceiling and floor models can be installed either on the ceiling or on the floor.



Air flow Direction Control

Vertical air flow direction can be adjusted using remote controller, and horizontal Air flow direction can be adjusted manually.



Filter Change Alarm

The filter change alarm informs you when the unit has been operating for 2,400 hours.



COMFORT (CEILING SUSPENDED)

Differentiated Design

Modern elegance design with V-shape and black vane is appropriate for any commercial space. It received iF Design Award.



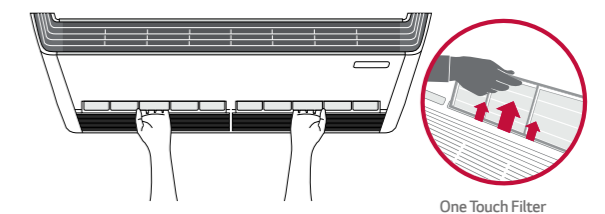
Powerful Cooling & Heating

High ceiling mode provides powerful cooling and heating up to 4.2m in height from floor, 15m away from ceiling.



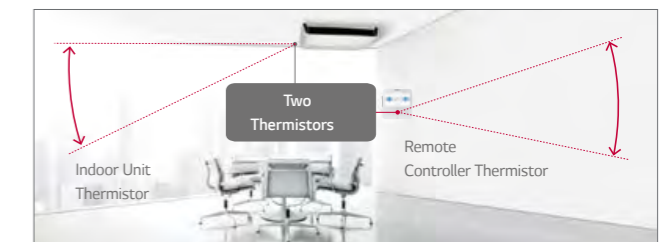
One Touch & 2 Piece Filter

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



Two Thermistors Control

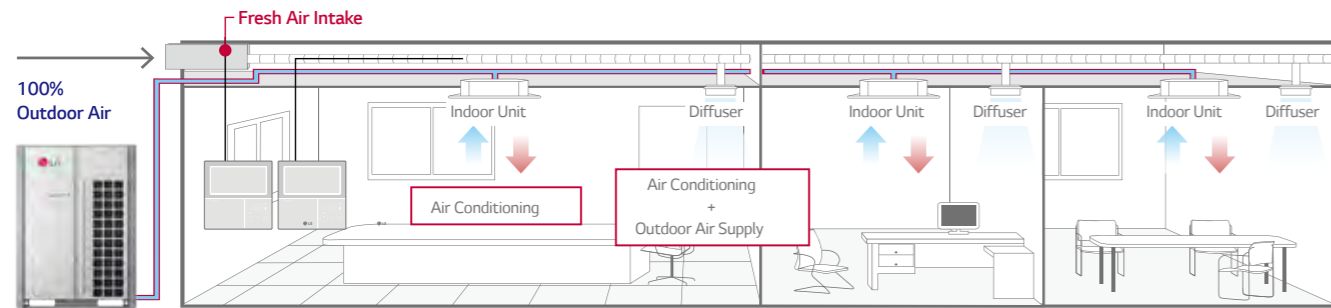
Users can purchase a wired remote controller that includes a second thermistor, allowing for temperature checks from multiple locations.



FRESH AIR INTAKE

Fresh Outdoor Air Supply

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

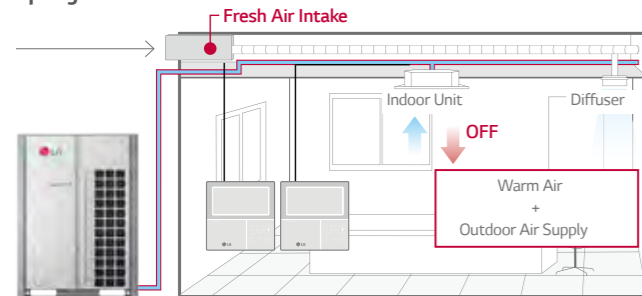


MULTI V 5 Outdoor Unit

Economic Operation

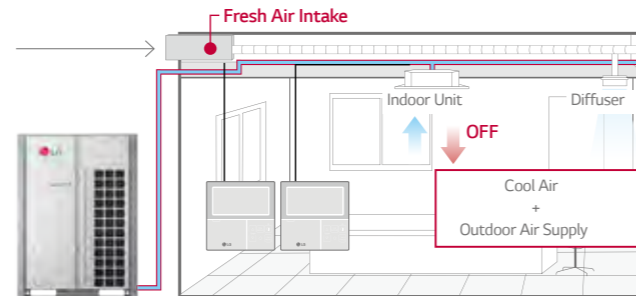
Natural outdoor air is utilized as seasons change for cost efficiency.

Spring Season



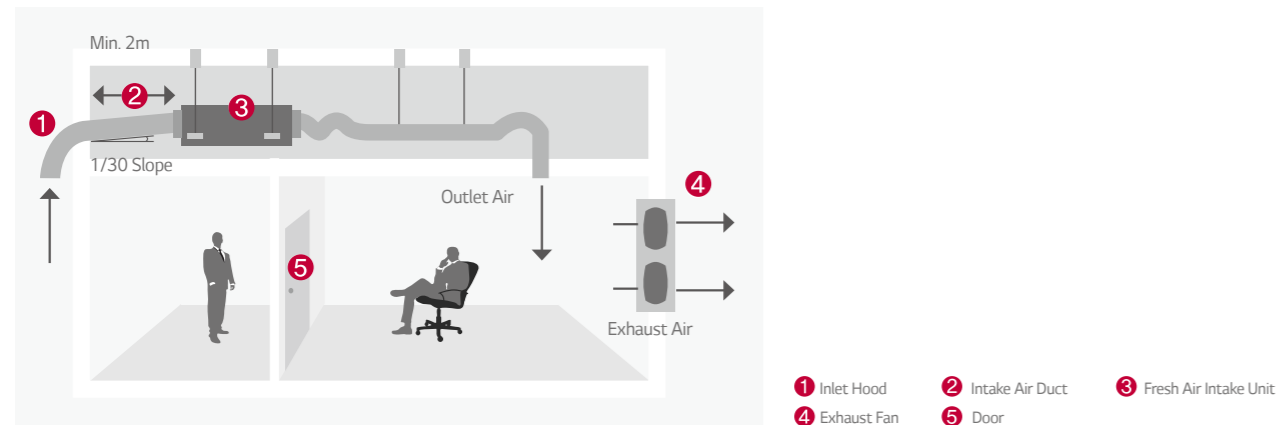
MULTI V 5 Outdoor Unit

Autumn Season



MULTI V 5 Outdoor Unit

Installation Scene



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

FRESH AIR INTAKE

ARNU76GB8Z4 / ARNU96GB8Z4



Model	Unit	ARNU76GB8Z4	ARNU96GB8Z4
Cooling Capacity	kW	22.4	28.0
Heating Capacity	kW	21.4	26.7
Power Input (H / M / L)	Nominal 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
	Shipping	mm 1,806 x 537 x 825	1,806 x 537 x 825
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No. 375 x 1	375 x 1
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m ³ /min 23.7 / 13.2 / 13.2	35.7 / 23.7 / 23.7
	External Static Pressure	mmAq (Pa) 22 (216)	22 (216)
	Motor Type	BLDC	BLDC
Air Filter		Long Life Filter	Long Life 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)
Weight	Body	kg 73.0	73.0
	Drain Pipe (Internal Dia.)	mm (inch) Ø25 (1)	Ø25 (1)
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, 220-240, 50	1, 220 -24 0, 50
Communication Cable	mm ² x No.	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

CAUTION		
1. Operation range (Cooling : 5°C - 43°C, Heating : -5°C - 43°C) 2. Installation of exhaust fan is recommended for a sealed room. 3. Indoor Unit Connection		
No	Connection Condition	Combination
1	Fresh air intake units only are connected with outdoor units	1) The total 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

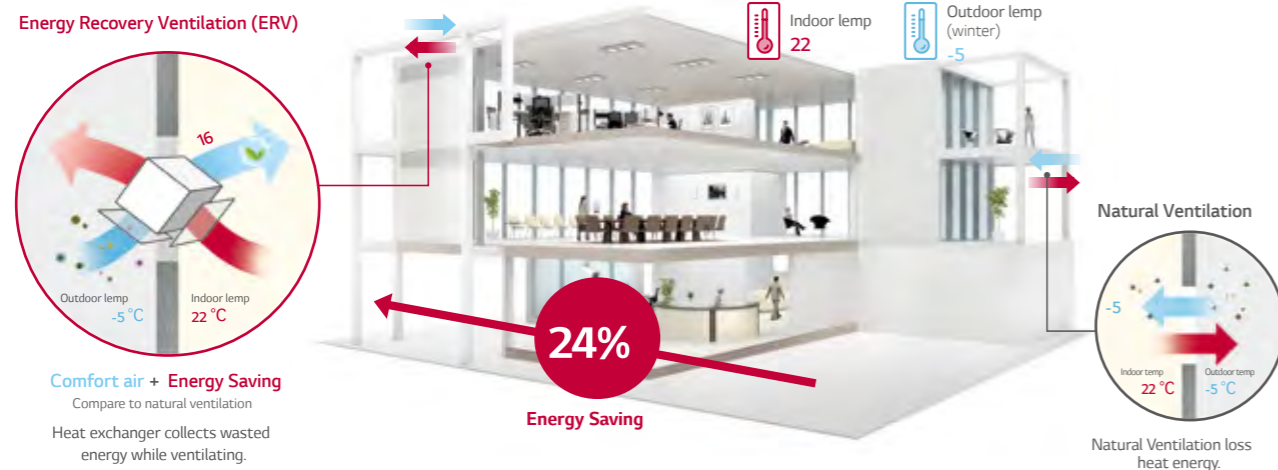
Chassis	ARNU76GB8Z4	ARNU96GB8Z4
Drain Pump		○
Cassette Cover		-
Refrigerant Leakage Detector		PRLDNV50
EEV Kit		-
Independent Power Module		PRIP0
Robot Cleaner		-
Pre Filter (Washable)		○
Ion Generator		-
CO ₂ Sensor		-
Ventilation Kit		-
IR Receiver		PWLRVN000
Zone Controller		-
Dry Contact (with additional accessory)		PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input ¹⁾), PDRYCB400 (2 points input), PDRYCB500 (Modbus)
External Input (1 point)		○
Wi-Fi		PWFMD200

* ○ : Applied, - : Not applied
 Option : Refer to model name in table
 1) Available from April 2020

ENERGY RECOVERY VENTILATION (ERV)



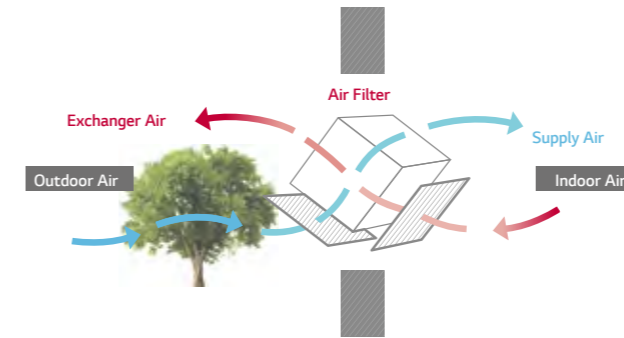
NECESSITY OF ERV



HIGH EFFICIENCY

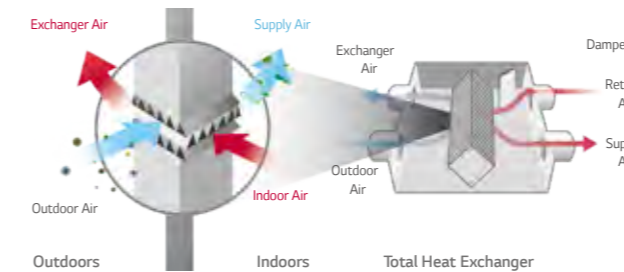
High Efficiency Heat Exchanger

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



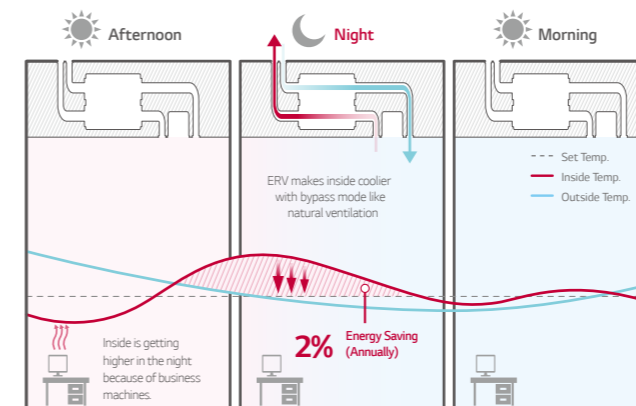
Compulsory Exhaust System

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



Night Time Free Cooling

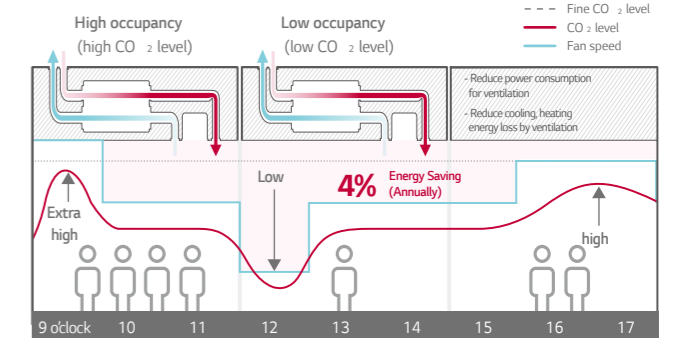
During summer nights, indoor heat can be discharged outdoors and cool outdoor air can be brought indoors for energy savings.



※ This function is operated with 'Night Time Free Cooling' on remote controller (with MULTI V only)
 ※ Energy saving ratio can be differed by weather condition.
 ※ Test Condition - Office (49,000ft²) / Occupancy: 30 / Area: London, UK
 - ERV (1,000 CMH) + MULTI V 4 (12HP) Unit Combination
 - Other conditions are subject to BREEAM.

CO₂ Auto Operation

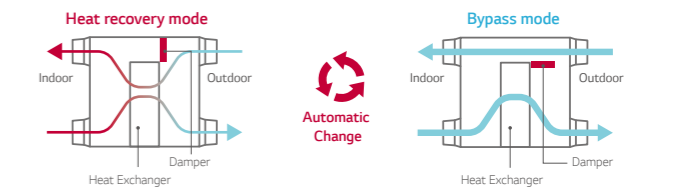
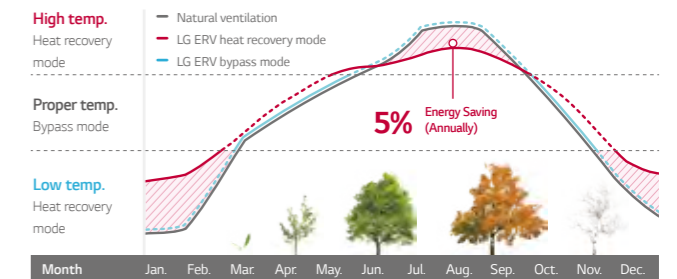
LG ERV reduces energy loss with auto fan speed control following CO₂ level



※ This function is operated with 'Night Time Free Cooling' on remote controller (with MULTI V only)
 ※ Energy saving ratio can be differed by weather condition.
 ※ Test Condition - Office (49,000ft²) / Occupancy: 30 / Area: London, UK
 - ERV (1,000 CMH) + MULTI V 4 (12HP) Unit Combination
 - Other conditions are subject to BREEAM.

Seasonal Auto Operation

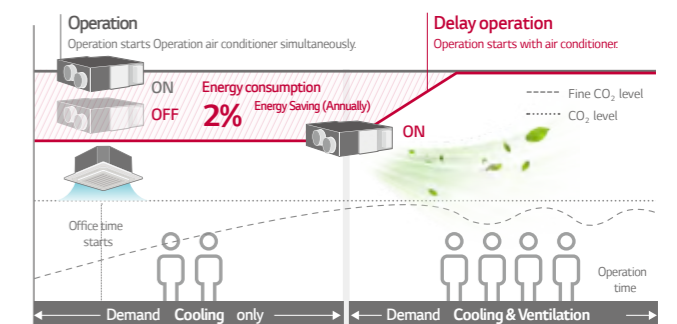
LG ERV senses outdoor temperature and operates automatically following weather condition.



※ This function is operated with 'Auto' mode by wired remote control.
 ※ Energy saving ratio can be differed by weather condition.
 ※ Test Condition - Office (49,000ft²) / Occupancy: 30 / Area: London, UK
 - ERV (1,000 CMH) + MULTI V 4 (12HP) Unit Combination
 - Other conditions are subject to BREEAM.

Delay Operation

When the air conditioner and ERV are switched on simultaneously, delay operation can reduce unnecessary heating and cooling energy loss by slowing down automatic ERV operation.



※ This function is operated with 'Night Time Free Cooling' on remote controller (with MULTI V only)
 ※ Energy saving ratio can be differed by weather condition.
 ※ Test Condition - Office (49,000ft²) / Occupancy: 30 / Area: London, UK
 - ERV (1,000 CMH) + MULTI V 4 (12HP) Unit Combination
 - Other conditions are subject to BREEAM.

BANGLADESH VRF REFERENCE SITES



Public



National Institute of Traumatology & Orthopaedic Rehabilitation



National Institute of Advanced Nursing Education and Research



Ashuganj Power Station Co. Ltd. (First Simultaneous Heat & Cool VRF In Bangladesh)



Chittagong Hill Tracts Complex, Dhaka

REFERENCE SITES IN BANGLADESH

Education



University of Asia Pacific (UAP)

Office



Corporate Office of Energypac Power Generation Ltd.



Head Office of Shakti Foundation, Mirpur



Institute of Architects Bangladesh (IAB)
Head Quarter, Agargaon, Dhaka



GPH Ispat, Sitakunda

Retail/Commerce



South Breeze Square,
Proposed Platinum LEED Project



S.A Khan City Center, Mirpur



Bonanza Port Restaurant, Chattagram Port Authority



Morshed Alom Shopping Complex, Chowmuhani

Hospital



Asgar Ali Hospital, Gendaria,
Dhaka



Trauma Center, Comilla



Parkview Hospital Ltd.,
Chattagram



National Hospital Pvt, Ltd.,
Chattagram

REFERENCE SITES IN BANGLADESH

Hotel / Leisure



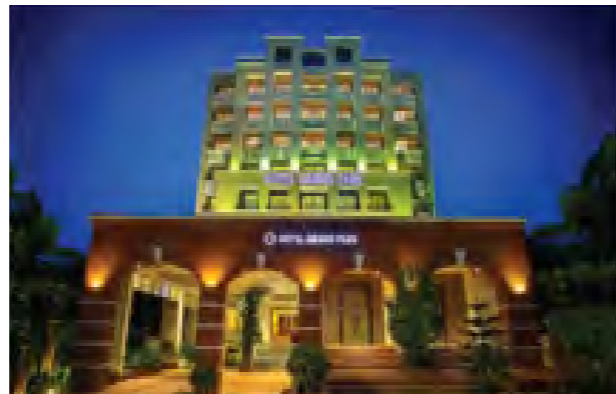
Bhatiary Golf Club, Chattogram



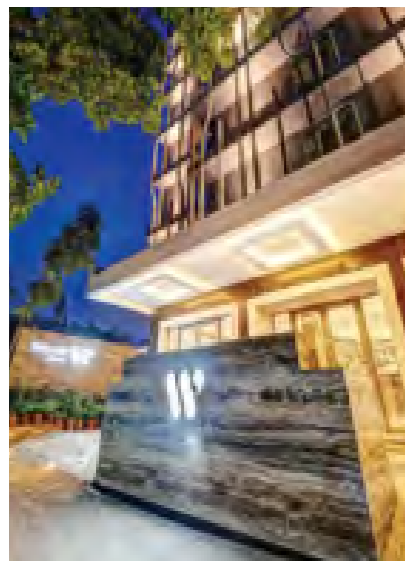
Maritime Convention Center, Bangladesh Navy, Chattogram



Office's Club Dhaka



Hotel Grand Park, Barisal



The Way Dhaka, Hotel in Gulshan



Marino Royal Hotel, Uttara



Mira Garden Ltd., (Hotel), Sylhet

Factory



Teamtex Group, Proposed Green Factory



Tanveer Paper Mills Ltd., Meghna Group



Consumer Knitex Ltd., Mymensingh



AKH EcoApparels Ltd. LEED Certified Project, Dhamrai



Express Washing Ltd., A Project of Ha-Meem Group



Dipta Apparels Ltd., (Dird Group), Savar

LG MULTI V MAJOR PROJECT REFERENCE

Project Name	Location	Cooling Capacity
Officers Club	Baily Road, Dhaka	280TR
Institute of Architects Bangladesh (IAB) Head Quarter	Agargaon, Dhaka	90TR
Grameen Phone Ltd- Sub Regional Office	Jessore	53TR
Grameen Phone Ltd	Moulavi Bazar	20TR
Bamboo Shoot Ltd (Restaurant)	Jasimuddin Road, Uttara	38TR
Canadian University of Bangladesh	Banani, Dhaka	20TR
Refat Garments Limited, A concern of Hammem Group	Tejgaon, Dhaka	106TR
Johnny Rockets, American Burger Shop	Uttara, Dhaka	52TR
Office- Infinity Mega Mall	Gulshan Badda Link Road	18TR
Intra Food and Beverage Ind. Ltd	Balorampur, Pabna	70TR
Meghna Pulp & Paper Mills Limited	Meghnaghat, Narayangonj	52TR
Mughda General Hospital (Auditorium)	Mughda, Dhaka	38TR
MKM Securities Limited- Residence	Gulshan-2, Dhaka	36TR
Labaid Group MD's Residence	Dhanmondi, Dhaka	52TR
Mr. Javed Oppanhaffen Residence	Banani, Dhaka	92TR
Mr. Salahuddin Residence	Baridhara, Dhaka	18TR
Asgar Ali Hospital, a concern of City Group	Gandaria, Dhaka	126TR
The Marino Hotels Limited	Uttara, Dhaka	210TR
Express Washing Limited, a concern of Ha-meem Group	Ashulia, Savar, Dhaka	107TR
Consumer Knitex Limited	UTC Building, Dhaka	58TR
National Institute of Digestive Disease & Research Hospital	Mohakhali, Dhaka	245TR
Consumer Knitex Limited	Trishal, Mymensingh	145TR
MetroNet Bangladesh Ltd, a concern of Rahim Afrooz Group	Banani, Dhaka	38TR
Bangladesh Green Building Academy	Uttara, Dhaka	18TR
AK Khan Foundation (Medical Centre)	Agrabad, Chattagram	85TR
Mira Garden Ltd (Hotel)	Mira Bazar, Sylhet	170TR
Telenor Health Bangladesh	Bashundhara, Dhaka	36TR
Res. Of Maj. General Zahid	DOHS, Mirpur, Dhaka	35TR
Dysin Limited MD's Residence	Mirpur, Dhaka	35TR
Holy Crab Restaurant	Gulshan-1, Dhaka	18TR
Grameen Phone Ltd	Farmgate, Mirpur, Matijheel	104TR
Zenith Spinning Mills Ltd	Pachdona, Narshindi	40TR
Grameen Phone Ltd	Agrabad & GEC more, Chattagram	85TR
Cute Dress Industry	Manikgonj	55TR
North West Power Generation Company Ltd.	UTC Building, Dhaka	40TR
The Royal Paradise (Brand Group)	Gulshan-2, Dhaka	175TR
Residence of Shamim Osman, MP	Gulshan-2, Dhaka	53TR
Grameen Phone Center	Rajshahi	24TR
Xiaomi Mobile, Corporate Office Building	Gulshan-2, Dhaka	60TR
Bhatiary Golf Country Club	Chattagram	40TR
Teamtex Apparels, Proposed Green Factory	Amin Bazar, Savar	63TR
Grameen Phone Ltd	Rajshahi, Comilla, Kaligonj	100TR
Sakti Foundation, Head office	Mirpur-11, Dhaka	88TR
Dipta Apparels Ltd, (Dird Group)	Shyampur, Hemayetpur, Savar	350TR
Morshed Alom Shopping Complex,	Choumohoni Railgate, Begomganj, Noakhali	630TR
Bureau Varitas Bangladesh Ltd	Dhaka, EPZ	126TR
Chittagong Hill Tracts Complex	Chattagram	486TR
Globe Pharmaceuticals Group of Company	Tejgaon, Dhaka	126TR

Project Name	Location	Cooling Capacity
South Breeze Square, Proposed Platinum LEED Project	Gulshan,Dhaka	360TR
Bangladesh Awami League, Central Office	Bangabandhu Avenue, Dhaka	120TR
Comilla Trauma Centre (Hospital)	Kandirpar, Comilla	125TR
Dignity Textile Mills Ltd (CMT)	Sreepur, Gazipur	54TR
National Institute of Traumatology & Orthopedic Rehabilitation, NITOR (Pongu Hospital)	Sher-e-Bangla Nagar, Dhaka	810TR
National Hospital Chattagram (Pvt.) Limited	Mehedibagh, Chattagram	245TR
Uttara Finance & Investment Ltd.	Gulshan, Dhaka	175TR
Allied Diagonistic Ltd.	Sreepur, Gazipur	38TR
Diaginistic & Oncology Department of BSMMU	Shahbag, Dhaka	55TR
Hams Garments Ltd.	Sreepur, Gazipur	185TR
Creative Collection Limited (Hameem Group)	Tongi, Gazipur	118TR
Service Building of NITOR	Sher-e-Bangla Nagar, Dhaka	235TR
Shahid Shuvas Hall, Zila Parishad	Cox's bazar	120TR
Maritime Convention hall, Bangladesh Navy	Chattagram	360TR
Designer Fashion Limited, Platinum LEED Certified Project	Savar	150TR
Designer Wasing & Dying Limited	Savar	35TR
Bangladesh Open University (Auditorium)	Gazipur	70TR
Park View Hospital limited	Chattagram	108TR
Matarbari 1200mw Ultra Super Critical Coal Fired Power Plan	Cox's bazar	600TR
Khidmah Hospital (Pvt.) Limited	Khilgaon Bishwa Road, Dhaka	86TR
Rajuk Commercial Complex Cum Car Parking Bhaban	Gulshan, Dhaka	70TR
GPH Ispat	Chattagram	603TR
Xiaomi Mobile	Gulshan, Dhaka	35TR
Bengal Gallery	Dhanmondi, Dhaka	53TR
Gulshan Central Masjid (Azad masjid)	Gulshan, Dhaka	270TR
Bangladesh Open University (Auditorium)	Gazipur	200TR
National Institute of Cardiovascular Disease (NICVD)	Agargaon, Dhaka	215TR
Central Police Hospital	Rajarbag, Dhaka	53TR
United Nations International Children's Emargency Fund (UNICEF)	Agargaon, Dhaka	298TR
Gadget & Gear (G&G, Police Plaza Concord)	Gulshan, Dhaka	53TR
Vital Diagnostic Center	Keranigonj, Dhaka	53TR
Gomoti Hospital Pvt.limited	Kandirpar, Comilla	123TR
Globe Multimedia Ltd.	Tejgaon, Dhaka	140TR
Multi Purpose Building at BNSISA Khan, Bangladesh Navy	Chattogram	215TR
National Science & Technology Complex	Agargaon, Dhaka	125TR
Sheikh Kamal IT & Incubation Centre	Kaliakoir, Gazipur	735TR
Bangabandgu Rajshahi Hi-Tech Park	Rajshahi	715TR
GPH Ispat	Chattogram	74TR
Head Office of Parjaton Corporation	Sher-eBangla Nagar, Dhaka	605TR
SA Khan Tower	Mirpur-1, Dhaka	213TR
SML Packaging Ltd	AEPZ, Narayangonj	495TR
SATCOM	Bashundhara R/A, Dhaka	60TR
Lucky Engineering	Mohammadpur, Dhaka	211TR
Karnaphuli Shoes Industries Ltd, B-20	Chattagram	200TR
Galaxy Hotel & Resorts Ltd	Gulshan-2, Dhaka	315TR
Gazi Satellite Television Ltd. (GTV)	Shegun Bagicha, Dhaka	125TR
Somoy Midea Ltd. (Somoy TV)	Bir Uttam C.R Dutta Road, Dhaka	155TR