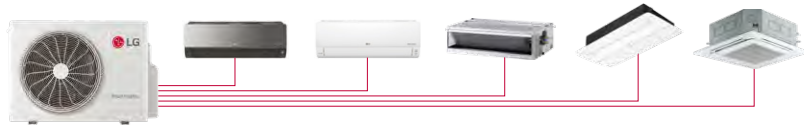


MULTI SPLIT



REFRIGERANT		R32					R32			R410A		
TYPE		MULTI PIPING					MULTI PIPING			DB BOX TYPE		
kBtu/h		14	16	18	21	24	27	30	40	40	48	56
kW		4.1	4.7	5.3	6.2	7.0	7.9	8.8	11.7	11.7	14.1	16.4
Energy Efficiency	BLDC Comp & Fan Motor	•	•	•	•	•	•	•	•	•	•	•
	Eurovent Certification	•	•	•	•	•	•	•	•	•	•	•
	NFPAC Certification			•	•			•	•			
	Variable Voltage Control	•	•	•	•	•	•	•	•	•	•	•
	Wide Louver Plus Fin	•	•	•	•	•	•	•	•	•	•	•
	Optimized Heat Exchanger Path	•	•	•	•	•	•	•	•	•	•	•
	Power Saving Start up	•	•	•	•	•	•	•	•	•	•	•
	Peak Current Control	•	•	•	•	•	•	•	•	•	•	•
	Mode Lock	•	•	•	•	•	•	•	•	•	•	•
Extreme Durability	R1 Compressor								•	•	•	•
	Twin Rotary Compressor	•	•	•	•	•	•	•				
	Smart Sensor Pressure Control					•	•	•	•	•	•	•
	Black Fin Heat Exchanger	•	•	•	•	•	•	•	•	•	•	•
Comfort & Convenience	Fast Cooling & Heating					•	•	•	•	•	•	•
	Night Silent Operation	•	•	•	•	•	•	•	•	•	•	•
	Wiring Error Check	•	•	•	•	•	•	•	•	•	•	•
	LG MV	•	•	•	•	•	•	•	•	•	•	•
	PI-485 Connection			•	•	•	•	•	•	•	•	•
	Forced Cooling Operation	•	•	•	•	•	•	•	•	•	•	•

PERFECT SOLUTION FOR MULTIPLE ROOMS



Energy Efficiency | Extreme Durability | Comfort and Convenience

LG's Multi Split system provides powerful, efficient cooling and heating with **up to nine indoor units** operating from a single outdoor unit.

LG's advanced inverter technology offers powerful performance while consuming less energy, occupying less space and making less noise compared to individual (two or more) single split systems.

A variety of sleek and elegant indoor units are available in a full range of capacities fitting any decor and room sizes.

With easy installation, there is a lower chance of technical defects, while various convenient functions for easy maintenance are proposed.



Enjoy A New Level Of Fresh Air

UVnano™ Filter Box



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



Air Purification Operation



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

Certificate

Certified Test Report
 The built-in UV LED module of the tested model (PBM13M3UA0) demonstrated over 99.99% disinfection performance on bacteria at measuring points of the Pre-Filter under the proposed test conditions.
 ** Tested by TUV Rheinland Standard

Certified Test Report
 The built-in UV LED module of the tested model (PBM13M3UA0) demonstrated 99.99% disinfection performance on virus (Phi X 174) at measuring points of the Pre-Filter under the proposed test conditions.
 ** Tested by TUV Rheinland Standard

ePM₁ 65% Filter

ePM₁ 65% Filtering capability rating in accordance with ISO 16890

Certified Test Report

KCL 한국건설생활환경시험연구원
 Korea Conformity Laboratories

Comparison of Filter Classes

EN 779	ISO 16890 (Average Efficiency)				ASHRAE52.2
	ePM ₁	ePM _{2.5}	ePM ₁₀	Coarse	
G1	-	-	-	-	MERV 1-4
G2	-	-	-	30% - 50%	MERV 1-4
G3	-	-	-	45% - 65%	MERV 5
G4	-	-	-	60% - 85%	MERV 6-8
M5	5% - 35%	10% - 45%	40% - 70%	80% - 95%	MERV 8-10
M6	10% - 40%	20% - 50%	45% - 80%	> 90%	MERV 9-13
F7	40% - 65%	50% - 75%	80% - 90%	> 95%	MERV 13-14
F8	65% - 90%	75% - 95%	90% - 100%	> 95%	MERV 14-15
F9	80% - 90%	85% - 95%	90% - 100%	> 95%	MERV 16

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

ENERGY EFFICIENCY A+++ / A+

Products with the highest energy efficiency.
Maximize energy savings to reduce electricity bill burden.

SEER / SCOP class (ErP regulation)

Nominal Capacity	kBTu/h	14	16	18	21	24	27	30	40
	kW	4.1	4.7	5.3	6.2	7.0	7.9	8.8	11.2
SEER		8.60	8.50	8.60	8.50	8.00	8.00	8.20	7.50
Efficiency (Wh / Wh)		A+++	A+++	A+++	A+++	A++	A++	A++	A++
SCOP		4.61	4.61	4.65	4.65	4.40	4.30	4.30	4.40
		A++	A++	A++	A++	A+	A+	A+	A+

- Peak Current Control
- Enhanced Heat Exchange
- Mode Lock
- R1 Compressor

High Seasonal Energy Efficiency

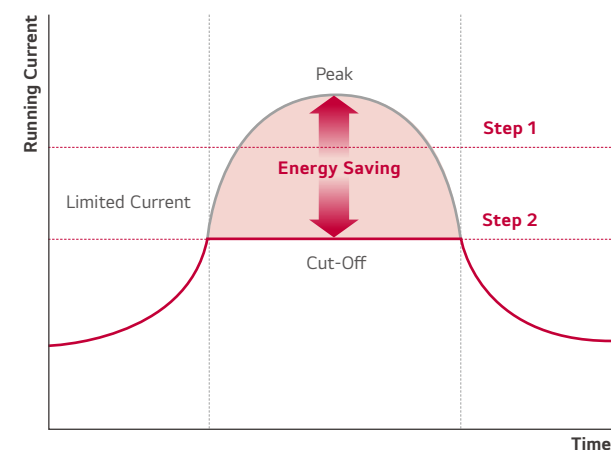
ACTUAL PERFORMING

SEER **8.60**
SCOP **4.65**
A+++ A++



Peak Current Control

Through the peak current control technology, it is possible to save energy and operation costs. A user can choose either cooling-only or heating-only operation by setting the dip switch.



- By limiting the running current to the maximum, the air conditioner can avoid running on the peak current level.
- This function can reduce energy costs during peak periods when electricity is more expensive.

How to set dip switch

① Max power consumption : 2.5 kW

② Max power consumption : 1.9 kW

Step 1



24% SAVE

③ Max power consumption : 1.7 kW

Step 2



32% SAVE

- 7.0kW model
- LG Internal test result

※ When using Peak current control, the cooling capacity may not be sufficient.

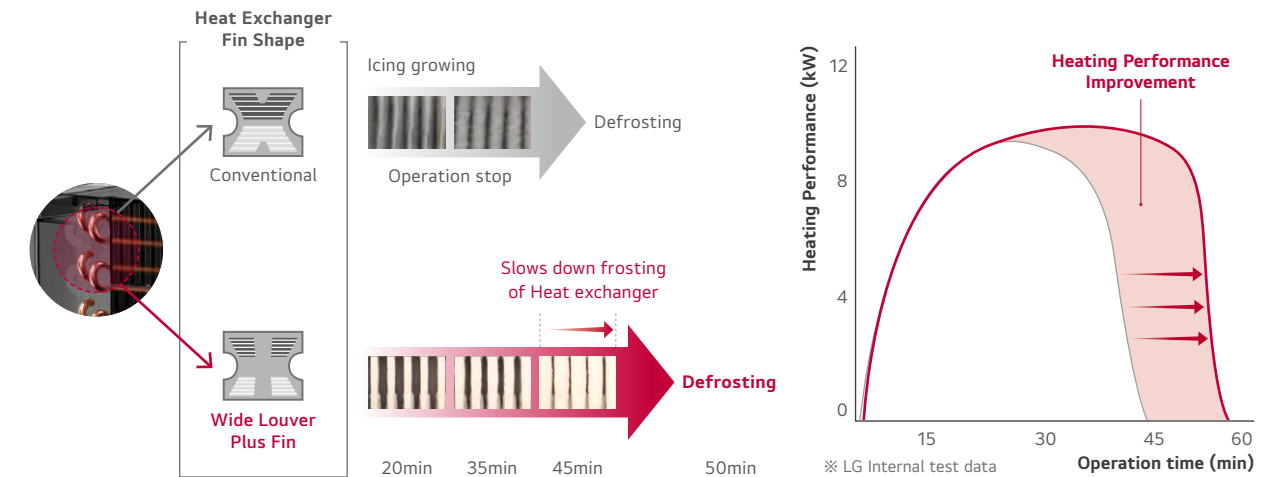
※ Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB,
Outdoor Ambient Temp. 35°CDB / 24°CWB

Enhanced Heat Exchange

Wide Louver Plus Fin technology contributes to 11% increase in full load heating performance and 6% increase in COP compared to a conventional fin. It can slow down the frosting of a heat exchanger and postpone the start of a defrosting operation.

Heating Operation at Defrost Condition

It can slow down frosting of heat exchanger and postpone the start of defrosting operation.



Mode Lock

The air conditioning system can be locked to operate in cooling only or heating only mode by a wired remote controller or adjusting dip switch*.



* Dip switch setting has the priority

R1 Compressor™



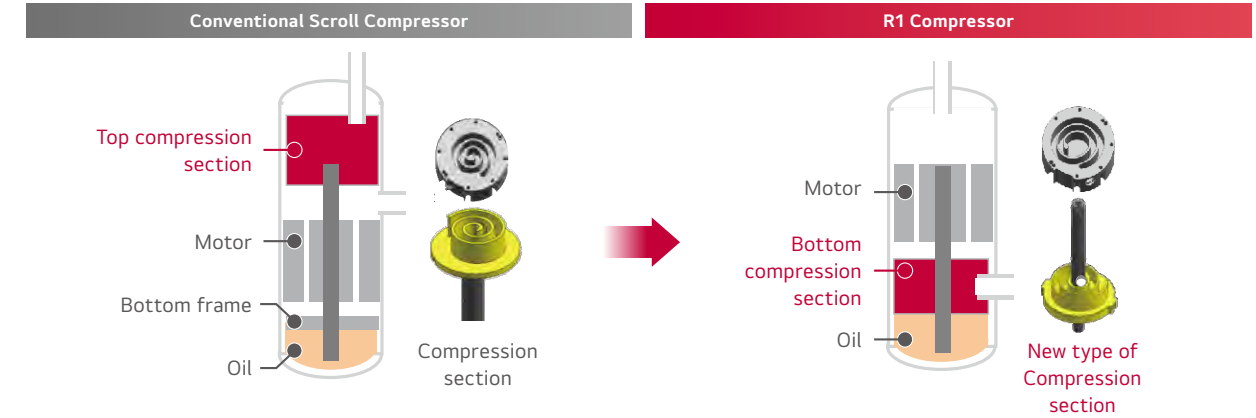
* LG Internal test result, Based on single split 10 kW Cassette
 ** LG Internal test result, Based on conventional compressor (Rotary type GPT442M)
 ※ R1 Compressor application ※ Model : 40-56k (7 models)

Revolutionary Scroll Compressor

Revolutionary Scroll Compressor serves for higher efficiency and reliability. This type of compressor is more advanced compared to the conventional one. The tilting motion of scroll has been improved in particular, as well as the operation range.

- Scroll compressor with simple structure
- High efficiency (Low load at low speed / total efficiency)
- Low noise (High speed possible)
- Improved Tilting Motion of scroll
- 20% weight reduction (vs. Conventional compressor)

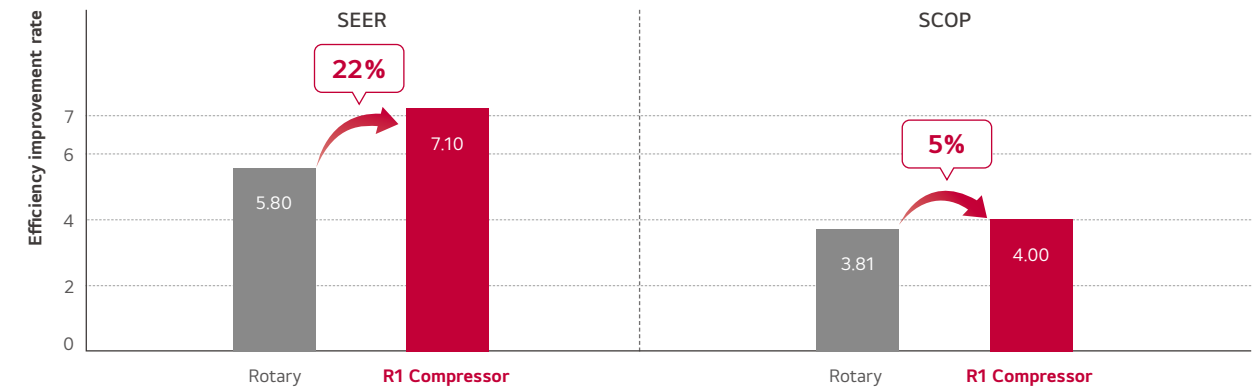
※ Applied Model : 40-56k (7 models)



Seasonal Energy Efficiency

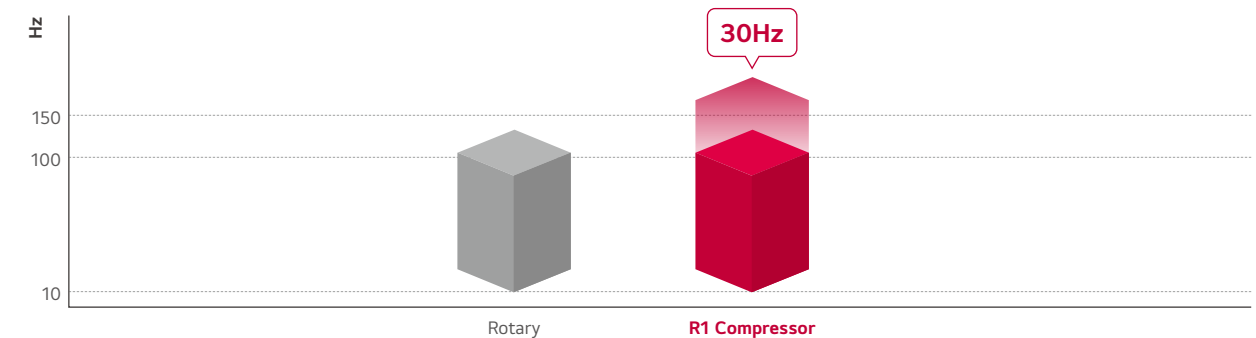
SEER 22%, SCOP 5% improvement (vs. Rotary)

※ Multi 40k



Wide Operation Range

- Optimized for operation with various cooling & heat load
- The world's best compressor speed (Up to 150 Hz)
- Low load operation optimized (down to 10 Hz): efficiency increased, comfort improved.



EXTREME DURABILITY

Product safety and Durability are ensured by advanced BLDC Dual Inverter compressor, Smart sensor and Black Fin Heat Exchanger.



- Improved BLDC Dual Inverter Compressor
- Wide Operation Range
- Corrosion Resistance Black Fin

Improved BLDC Dual Inverter Compressor

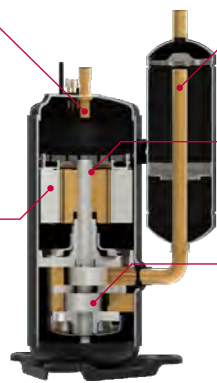
Parts of Dual Inverter Compressor have been improved to assure a longer lifespan of the product.

Flow Optimization

Oil inflow is increased by a longer oil discharge pipe, which keeps enough oil inside the compressor to prevent compressor abrasion.

Concentrated Winding Motor

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



Dual Inverter Compressor

Suction Optimization

Reduced suction loss and improved oil collection through the optimization of suction path.

Surface Coating

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

Twin Rotary Rotor

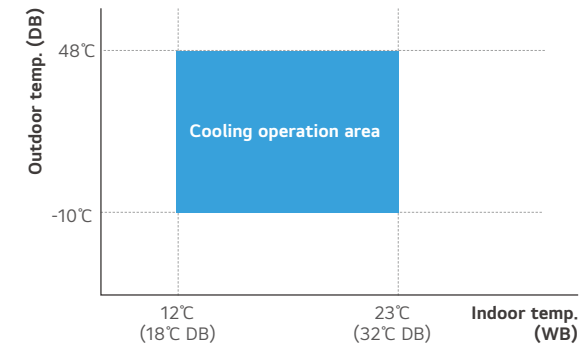
Upper and lower part rotor offset imbalance in shaft rotor rotation. Vibration and noise are reduced. Max torque load decreased by 45% compared to single rotor.



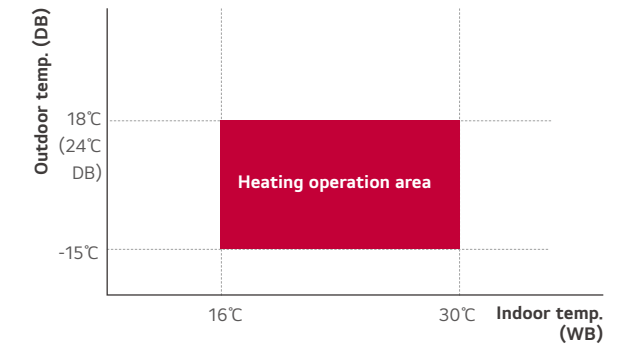
Wide Operation Range

Thanks to the wide operation range, models using R32 refrigerant are suitable for cooling in summer & heating in winter season.

Cooling Mode



Heating Mode



Corrosion Resistance Black Fin

The black coating with enhanced epoxy resin serves to protect the product from various external corrosive conditions such as salt contamination and air pollution including fumes from factories.

Longer Lifespan, Lower Maintenance Costs

Hydrophilic film (Water flow)

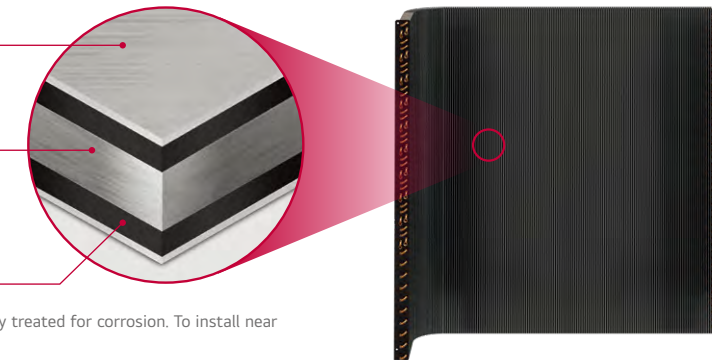
The Hydrophilic coating minimizes moisture buildup on the fin.

Complex resin (Corrosion resistant)

The Black coating provides strong protection from corrosion.

Aluminum Fin

※ In certain cases, the product might not be fully treated for corrosion. To install near the sea, additional protection is required.



Verified Protection



- ※ Verification of corrosion resistance performance
- Test Method B of ISO21207
- ASTM B117 / ISO 9227 (10,000 hours)

COMFORT & CONVENIENCE

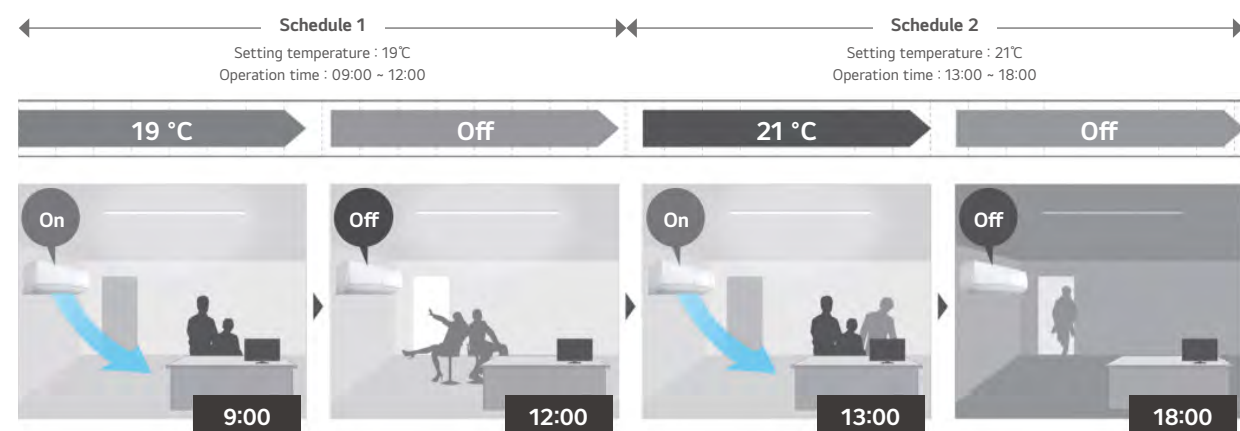
The advanced technologies of LG make a user feel comfort and convenience by several unique functions.



- Scheduled Operation
- Quick Cooling & Heating by Smart Sensor System
- Mobile LGMV
- Pump Down
- Easy Troubleshooting
- Wiring Error Check
- Silent Operation

Scheduled Operation

You can set up to 30 schedules for one day or a week.



※ : These functions need to connect to the wired remote controller.



Premium
- 5 schedules per day
- Up to 35 schedules for per week



Standard III
- Up to 30 schedules per one day or week



Standard II
- 2 schedules per day
- Up to 14 schedules for per week

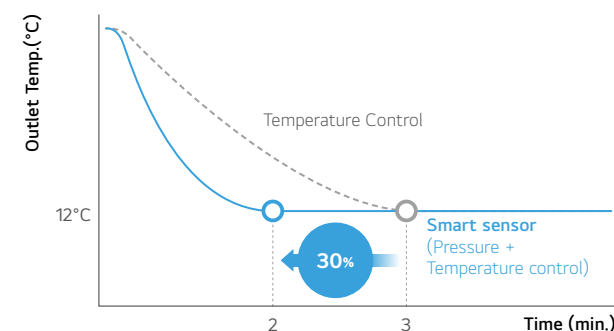
Quick Cooling & Heating by Smart Sensor System

Through the Smart Sensor System (Pressure & temperature control), a user can save time to reach the desired temperature and experience the quick and reliable operation with the LG Multi Split.

Performance of Smart Sensor System

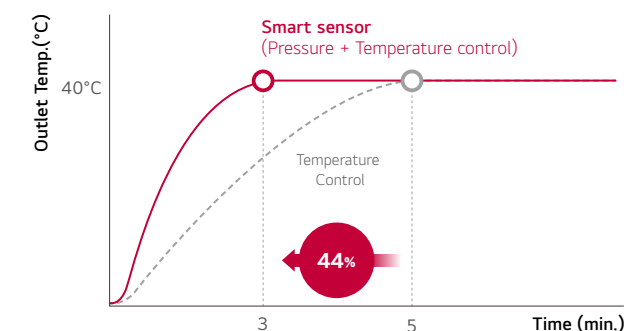
Smart Sensor System takes less time to reach the desired temperature: up to 30% in cooling and 44% in heating with high level of accuracy and stability.

Cooling Mode

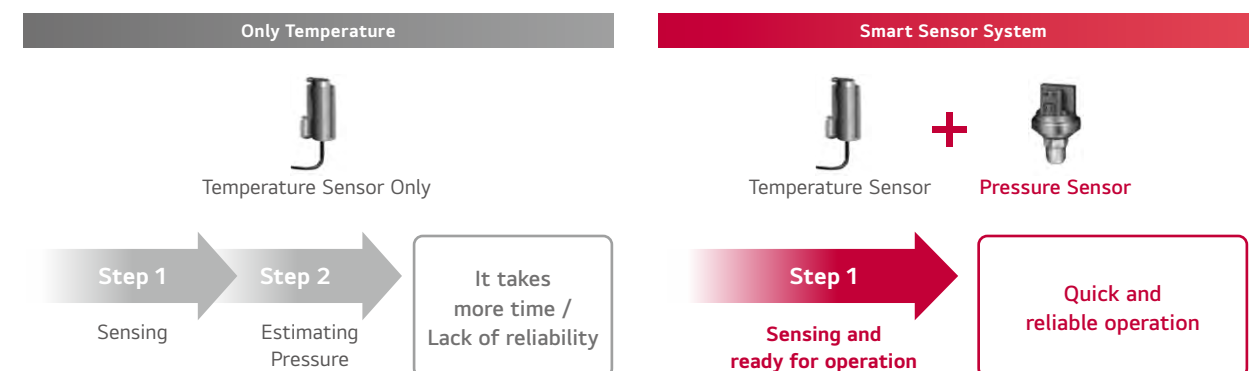


* Based on internal test data

Heating Mode

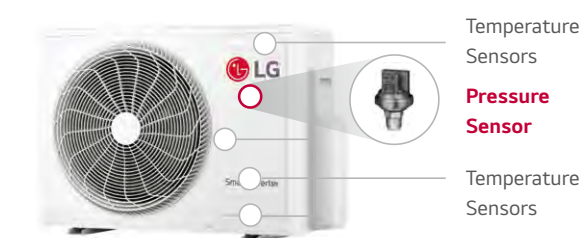


Why Smart Sensor System ?



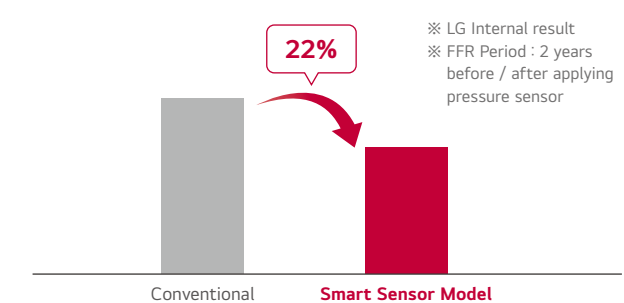
- Quick response due to sensing.
- Ensures to reach target performance point without failing to keep a reliable operation.

The Configuration of Smart Sensors



While every brand has temperature sensors, LG boasts a unique Smart sensor system, with several temperature sensors and a pressure sensor in order to directly measure refrigerant pressure precisely.

Field Failure Rate of Outdoor Unit

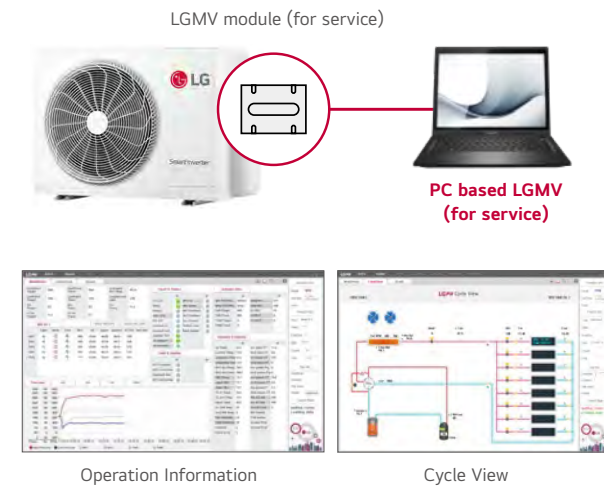


Mobile LGMV (Monitoring View)

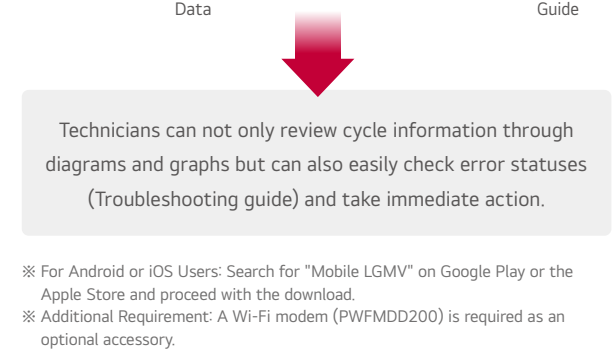
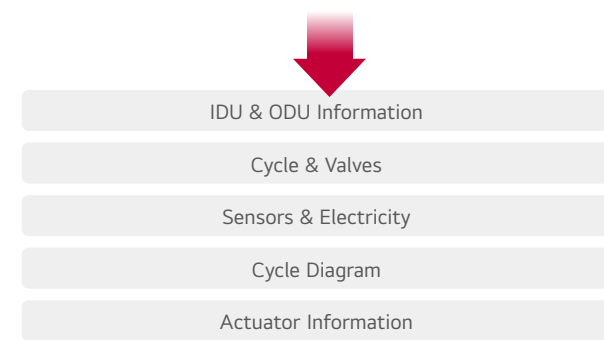
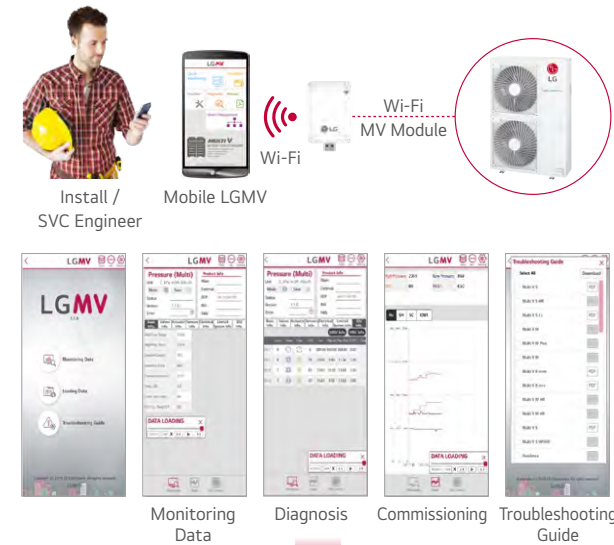
LG MV simplifies the inspection (diagnosis) and monitoring of air conditioning units for engineers, allowing easy access through your smartphone or PC.

※ Specifications may vary for each model.

PC Version



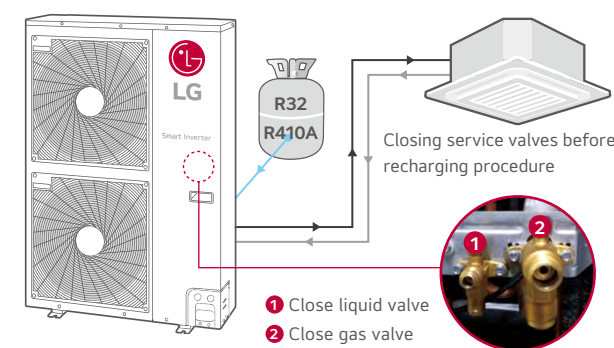
Smartphone Version



Pump Down (Forced Cooling Operation)

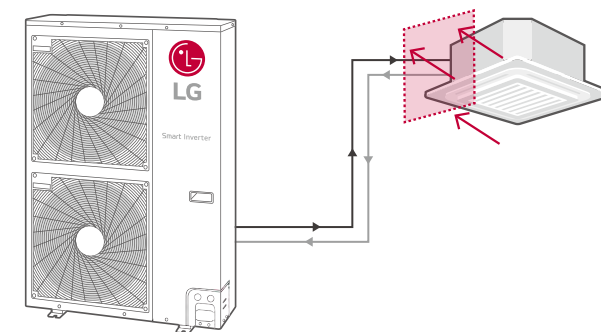
The Pump Down (Forced cooling operation) allows refrigerant to be recharged or pumped down regardless of the indoor and outdoor temperature. This function is very useful when indoor units are being relocated or repaired during winter.

Recharging



Possible to pump down refrigerant forcibly during winter when indoor or outdoor condition may not meet operation range.

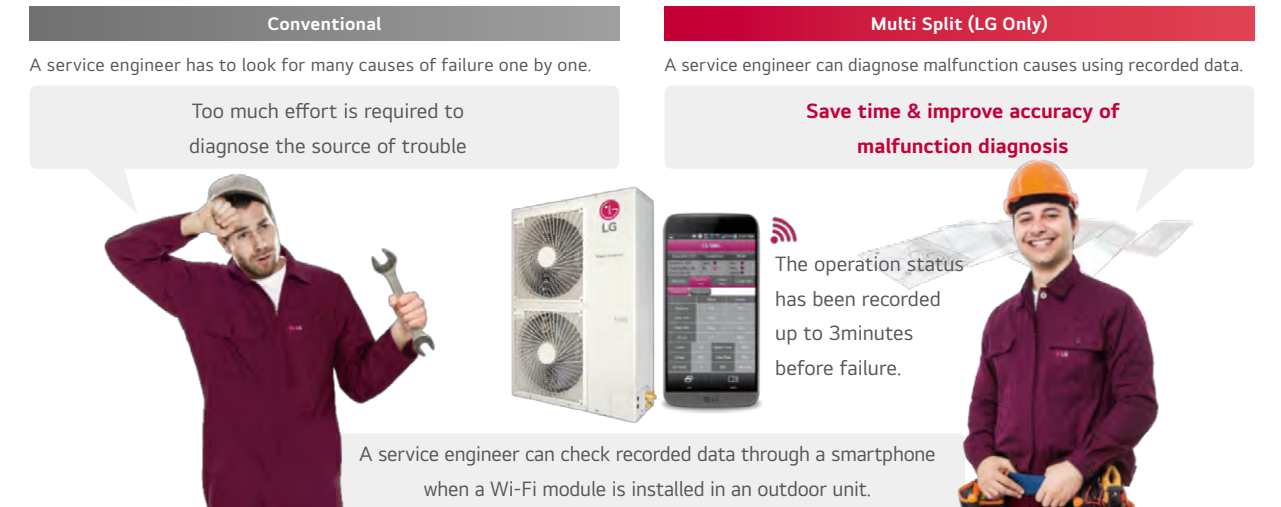
Pump Down



Easy Troubleshooting

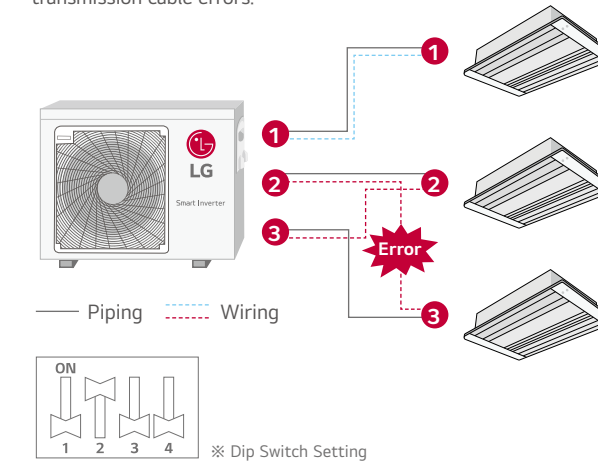
The operation status is recorded until a malfunction occurs.

A service engineer can analyze the malfunction cause more easily during maintenance.



Wiring Error Check

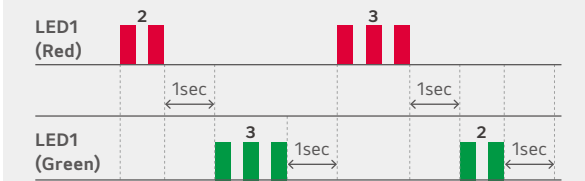
During trouble shooting after installation, installers can check whether the transmission cable has been connected correctly by using the wiring error check function. It can be shown at outdoor PCB. This wiring error check function can reduce the time taken to check for transmission cable errors.



LED Result

- If the wiring is correct, the Green LED will light up.
- If the wiring is wrong, display is as below.
 - Red LED : Piping Number
 - Green LED : Wiring Number (Room)

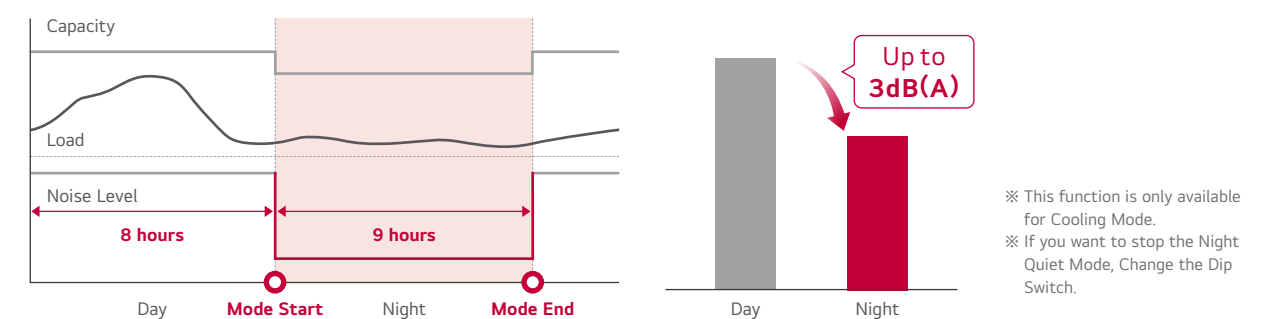
Ex) If the Red LED blinks twice and the Green LED blinks 3 times, 2nd wire is connected to the 3rd indoor unit.



Silent Operation

Silent Operation can reduce noise levels by simply setting the dip switch on the PCB of the outdoor unit.

Cooling Mode



※ This function is only available for Cooling Mode.
 ※ If you want to stop the Night Quiet Mode, Change the Dip Switch.

R32 MULTI SPLIT



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

OUTDOOR UNITS				MU2R15.U13	MU2R17.U13
Compressor	Type			Twin Rotary	Twin Rotary
Capacity**	Cooling	Min. / Nom. / Max.	kW	0.9 / 4.1 / 4.7	0.9 / 4.7 / 5.4
	Heating	Min. / Nom. / Max.	kW	1.0 / 4.7 / 5.4	1.0 / 5.1 / 5.5
Low Temperature Capacity	Heating -7°C	Max.	kW	3.7	4.0
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.2 / 1.0 / 1.4	0.2 / 1.2 / 1.8
	Heating	Min. / Nom. / Max.	kW	0.2 / 1.1 / 1.5	0.2 / 1.2 / 1.5
Running Current	Cooling	Min. / Nom. / Max.	A	1.0 / 4.4 / 6.2	1.0 / 5.4 / 8.0
	Heating	Min. / Nom. / Max.	A	1.1 / 4.7 / 6.5	1.1 / 5.3 / 6.7
EER				4.10	3.84
COP				4.40	4.25
SEER				8.60	8.50
SCOP				4.61	4.61
Pdesign (@-10°C)			kW	3.60	3.60
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A+++ / A++	A+++ / A++
Annual Energy Consumption	Cooling / Heating			167 / 1,095	193 / 1,095
Airflow Rate	Nom.		m³/min	35	35
Sound Pressure*	Cooling	Nom.	dB(A)	45	46
	Heating	Nom.	dB(A)	48	49
Sound Power	Cooling	Max.	dB(A)	60	61
Dimensions	W x H x D			770 x 545 x 288	770 x 545 x 288
Net Weight				32.5	32.5
Refrigerant	Type			R32	R32
	Charge			1.04	1.04
	Additional Charge			-	-
	GWP			675	675
	t-CO ₂ eq			0.702	0.702
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-15 / 18	-15 / 18
Power Supply				Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable				No. x mm²	3C x 2.5
Transmission Cable				No. x mm²	4C x 0.75
Circuit Breaker				A	13
Piping Length Total				m	30
Piping Length per Branch	Max.			m	20
Piping Elevation Difference	IDU - ODU	Max.	m	15	15
	IDU - IDU	Max.	m	7.5	7.5
Piping Connection	Liquid	mm (inch) x No.		Ø6.35 (1/4) x 2	Ø6.35 (1/4) x 2
	Gas	mm (inch) x No.		Ø9.52 (3/8) x 2	Ø9.52 (3/8) x 2

* Sound Pressure is not a value declared on Eurovent Program.

Notes :

1. Capacities are based on the following conditions:

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

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

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. **: See page "Combination Table".

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

4. At least two indoor units should be connected

5. Minimum combination ratio should be more than 40%.

6. This product contains fluorinated greenhouse gases (R32)

MU3R19.U23 / MU3R21.U23



MU4R25.U22



* This authentication applies only to 18k, 21k.



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

OUTDOOR UNITS				MU3R19.U23	MU3R21.U23	MU4R25.U22
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Capacity**	Cooling	Min. / Nom. / Max.	kW	1.1 / 5.3 / 6.3	1.1 / 6.2 / 7.3	1.1 / 7.0 / 8.5
	Heating	Min. / Nom. / Max.	kW	1.2 / 6.3 / 7.3	1.2 / 7.0 / 7.8	1.2 / 8.1 / 9.1
Low Temperature Capacity	Heating -7°C	Max.	kW	5.2	5.6	5.9
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.3 / 1.2 / 1.8	0.3 / 1.5 / 2.4	0.3 / 1.8 / 2.8
	Heating	Min. / Nom. / Max.	kW	0.3 / 1.3 / 1.9	0.3 / 1.6 / 2.2	0.3 / 1.8 / 2.9
Running Current	Cooling	Min. / Nom. / Max.	A	1.3 / 5.3 / 8.1	1.3 / 6.6 / 10.7	1.3 / 8.0 / 12.6
	Heating	Min. / Nom. / Max.	A	1.2 / 5.9 / 8.6	1.2 / 6.9 / 9.8	1.3 / 8.3 / 12.9
EER				4.43	4.15	4.00
COP				4.80	4.51	4.40
SEER				8.60	8.50	8.00
SCOP				4.65	4.65	4.40
Pdesign (@-10°C)			kW	5.00	5.00	5.40
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A+++ / A++	A+++ / A++	A++ / A+
Annual Energy Consumption	Cooling / Heating			215 / 1,505	253 / 1,505	308 / 1,718
Airflow Rate	Nom.		m ³ /min	50	50	50
Sound Pressure*	Cooling	Nom.	dB(A)	47	48	49
	Heating	Nom.	dB(A)	50	51	53
Sound Power	Cooling	Max.	dB(A)	61	62	64
Dimensions	W x H x D		mm	870 x 650 x 330	870 x 650 x 330	870 x 650 x 330
Net Weight			Kg	44.5	44.5	47.0
Refrigerant	Type			R32	R32	R32
	Charge		Kg	1.40	1.40	1.4
	Additional Charge		g/m	20	20	20
	GWP			675	675	675
	t-CO ₂ eq			0.945	0.945	0.945
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-15 / 18	-15 / 18	-18 / 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	16	16	20
Piping Length Total			m	50	50	70
Piping Length per Branch		Max.	m	25	25	25
Piping Elevation Difference	IDU - ODU	Max.	m	15	15	15
	IDU - IDU	Max.	m	7.5	7.5	7.5
Piping Connection	Liquid		mm (inch) x No.	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 4
	Gas		mm (inch) x No.	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 4

* Sound Pressure is not a value declared on Eurovent Program.

Notes :

1. Capacities are based on the following conditions:

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

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

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. ** : See page "Combination Table".

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

4. At least two indoor units should be connected

5. Minimum combination ratio should be more than 40%.

6. This product contains fluorinated greenhouse gases (R32)



* This authentication applies only to 30k, 40k.



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

OUTDOOR UNITS				MU4R27.U42	MU5R30.U42	MU5R40.U42
Compressor	Type			Twin Rotary	Twin Rotary	Scroll
Capacity**	Cooling	Min. / Nom. / Max.	kW	1.3 / 7.9 / 9.5	1.3 / 8.8 / 10.6	1.3 / 11.2 / 14.7
	Heating	Min. / Nom. / Max.	kW	1.5 / 9.1 / 10.6	1.5 / 10.1 / 12.1	1.5 / 12.5 / 16.0
Low Temperature Capacity	Heating -7°C	Max.	kW	6.4	7.1	11.0
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.4 / 1.8 / 2.9	0.4 / 2.0 / 3.4	0.4 / 3.3 / 5.3
	Heating	Min. / Nom. / Max.	kW	0.6 / 2.1 / 3.4	0.6 / 2.2 / 3.6	0.4 / 3.1 / 5.3
Running Current	Cooling	Min. / Nom. / Max.	A	1.9 / 8.1 / 13.1	1.9 / 9.1 / 15.2	1.8 / 14.4 / 23.9
	Heating	Min. / Nom. / Max.	A	2.8 / 9.4 / 15.3	2.8 / 9.7 / 16.3	1.8 / 16.5 / 24.2
EER				4.39	4.40	3.50
COP				4.39	4.70	4.10
SEER				8.00	8.20	7.50
SCOP				4.30	4.30	4.40
Pdesign (@-10°C)			kW	7.00	7.40	9.10
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			346 / 2,214	376 / 2,344	523 / 2,896
Airflow Rate	Nom.		m ³ /min	60	60	80
Sound Pressure*	Cooling	Nom.	dB(A)	48	49	52
	Heating	Nom.	dB(A)	52	53	54
Sound Power	Cooling	Max.	dB(A)	64	64	64
Dimensions	W x H x D		mm	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
Net Weight			Kg	63.5	64.1	74.0
Refrigerant	Type			R32	R32	R32
	Charge		Kg	2.3	2.6	2.8
	Additional Charge		g/m	20	20	20
	GWP			675	675	675
	t-CO ₂ eq			1.553	1.755	1.890
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-18 / 18	-18 / 18	-18 / 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm ²	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	25	25	40
Piping Length Total			m	70	75	85
Piping Length per Branch		Max.	m	25	25	25
Piping Elevation Difference	IDU - ODU	Max.	m	15	15	15
	IDU - IDU	Max.	m	7.5	7.5	7.5
Piping Connection	Liquid		mm (inch) x No.	Ø6.35 (1/4) x 4	Ø6.35 (1/4) x 5	Ø6.35 (1/4) x 5
	Gas		mm (inch) x No.	Ø9.52 (3/8) x 4	Ø9.52 (3/8) x 5	Ø9.52 (3/8) x 5

* Sound Pressure is not a value declared on Eurovent Program.

Notes :

1. Capacities are based on the following conditions:

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

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

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. ** : See page "Combination Table".

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

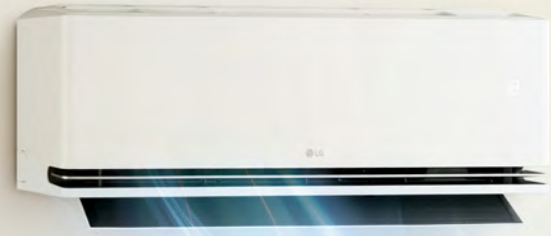
4. At least two indoor units should be connected

5. Minimum combination ratio should be more than 40%.

6. This product contains fluorinated greenhouse gases (R32)

Soft Air Surrounds You In Comfort

LG DUALCOOL™ Premium / Deluxe



Why LG DUALCOOL™?



Comfortable Air Flow

Enjoy a perfectly balanced breeze through multiple vanes and indirect air flow. Stay refreshed with automatic dehumidification matching your desired temperature. "Enjoy a Perfectly Balanced Breeze and Ideal Humidity, Tailored Just for You."



Proactive Energy Saving

Avoid worrying about unexpected electricity bills with kW manager. Human detecting sensor and window open detection actively save energy without having to worry about it.



Total Air Care

A multi-step filtration process with Freeze Cleaning that purifies the air, removes dust and bacteria, ensuring the air you breathe is always fresh.

Comfortable Air Flow

Soft Air

Stay comfortably cool with no chilly drafts and personalize breeze range and temperature.

<p>As-is</p> <p>When turned on, it becomes too cold, and if turned off, it becomes too hot. Additionally, when lying down on the bed, the direct cold wind can quickly make you feel uncomfortably cold.</p>	<p>To be</p> <p>Experience a shift from excessive cold to a more comfortable and pleasant airflow—a fine-tuned wind flow for your comfort.</p>	<p>Cooling</p> <p>Direct Flow (Bottom discharged wind flow)</p> <p>Room Temp. Control → Always cold wind</p>	<p>Soft Air</p> <p>Indirect Flow (Front discharged wind flow)</p> <p>Wind Temp. Control → A pleasant, comfortable wind</p>
<p>Air Flow Speed Comparison</p> <p>Air Flow Speed</p>			

DUAL Vane

Dual Vane spreads airflow up or down, further and faster, for ideal comfort in any season.



Longer Stream Wind

Two separated vanes are combined to create one large single vane with the longer vane shape, the Dual Vane can send airflow further than conventional models.

Indirect Flow

Dual Vane provide indirect mode for more comfortable experience compared to single vane. It provides that cold wind blows down from above of head, hot wind comes up from underneath of feet, reducing the discomfort of direct wind contact.



<p>Air Flow Distance</p>	<p>Cooling Performance Speed</p>	<p>Heating Performance Speed</p>
--------------------------	----------------------------------	----------------------------------

Faster Cooling & Heating

Dual Vane can provide optimized airflow that single vane can not achieve. It enables cooling up to 23% faster and heating up to 6% faster than single vane.



※ Performance comparison vs Single Vane

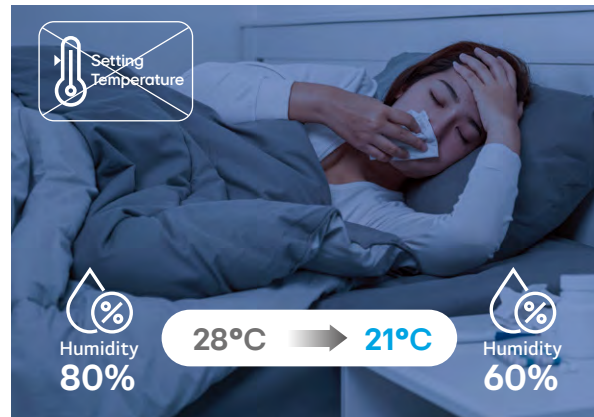
- 1) Date 2023.06, Measurement results in LG air conditioner test chamber, installation height 1.8 m, Fan mode. Using a wind speed probe, the height range from 0.1 to 1.7 m is measured in 0.2 m increments. Measures the maximum distance reached by airflow more than 0.25 m/s speed from the products
- 2) Date 2023.10 LG air conditioner home environment testing chamber, 20.9 m³/50.1 m³, Jet Mode, Indoor DB (33±0.3)°C / RH (60±5)%, Outdoor DB (35±0.3)°C / RH (50±5)% 18°C setting on cooling mode, Indoor DB (12±0.3)°C / RH (60±5)%, Outdoor DB (7±0.3)°C / RH (87±5)% 30°C setting on heating mode, measured the time took reduce 5°C (for Cooling) / rise 5°C (for heating), from the initial average room temperature. Test Model : S3-M12KL2MB (SK), S3-M12L1C0 (S1 New Platform)

Comfortable Air Flow

Comfort Humidity Control

No excess chill, Comfort Humidity Control perfects your home with humidity optimized to your desired temperature.

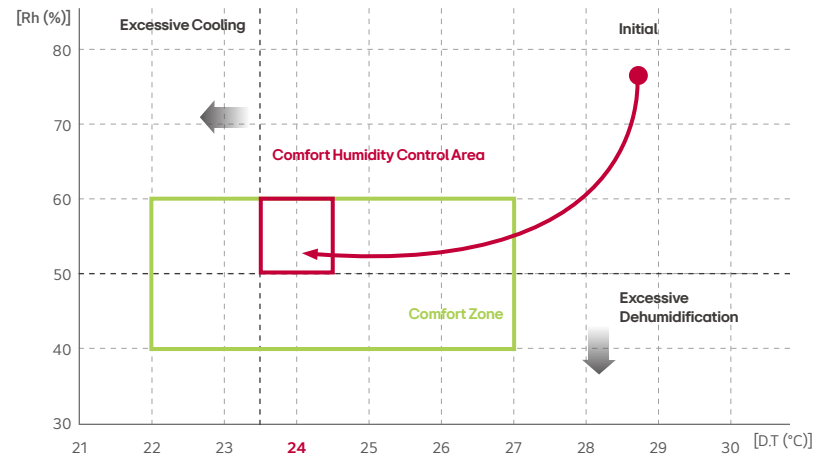
Conventional



LG DUALCOOL



Operation Example (24°C Setting)

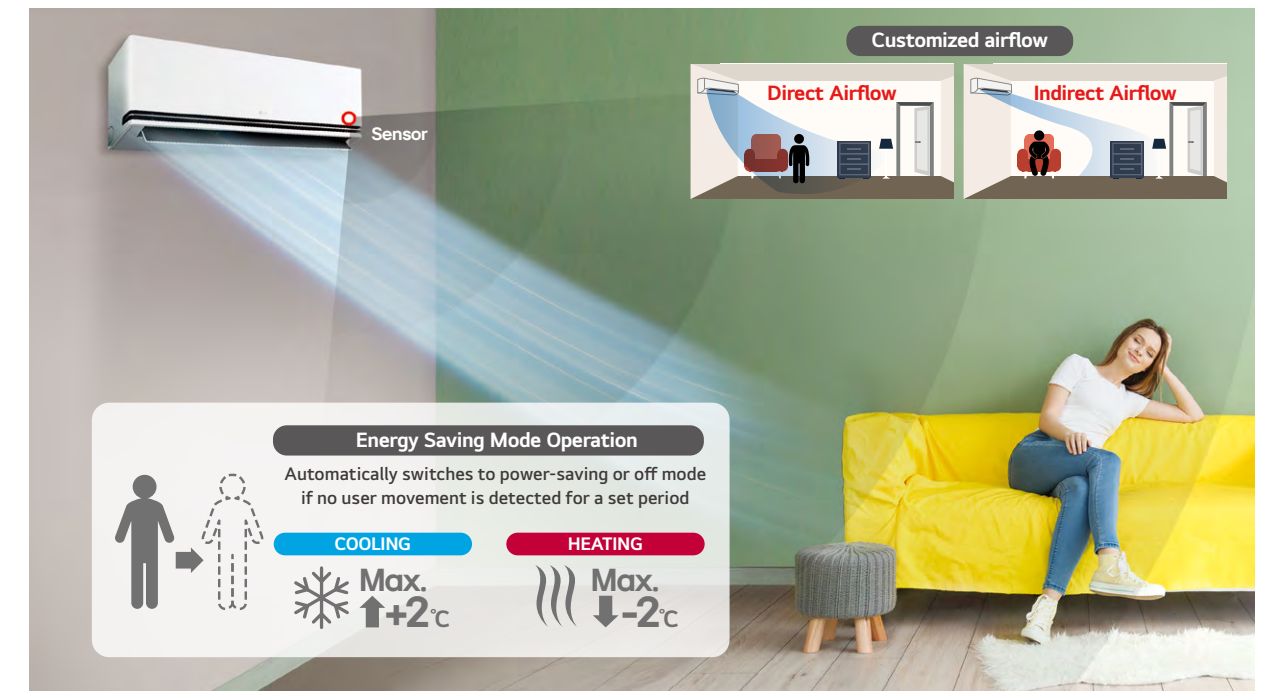


- ※ The air flow changes automatically based on the operating environment.
- ※ This function can be used through remote controller and LG ThinQ app.
- ※ The humidity is automatically controlled according to the temperature set by the customer.

Proactive Energy Saving

Human Detecting Sensor

Human Detection Sensor's location detector provides comfy airflow control and auto power-savings.



- ※ This function can be turned on/off through remote controller or LG ThinQ app.
- ※ The "Human Detection Sensor" only activates cooling and heating mode.
- ※ The judgment time of absence human detection can be set from 20 to 120 min through LG ThinQ app (Default 20 min).
- ※ Human body detection covers 100 degrees left and right based on the product, and the maximum detection distance is 5 m.
- ※ Depending on usage conditions, sensor detection range may be shortened.

A new air conditioner designed to seamlessly integrate with your senses and interior.

LG ARTCOOL™ Gallery

Premium / Special



Explore the ARTCOOL 2nd Evolution Gallery – an interior masterpiece.

Art Display (27" Full HD LCD)

Experience a 27" Full HD LCD display incorporated into the air conditioning unit. Customize the screen to suit your mood and preferences.



Wood Frame Design

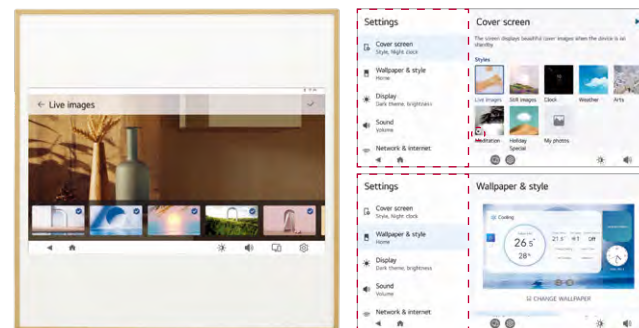
Featuring a modern and luxurious design that seamlessly harmonizes with any space.

The ARTCOOL Gallery Design has been submitted to the EU award through the international organization WIPO.



Create the interior settings using the LG ThinQ App

Choose up to 20 photos from your phone and send them to Look at Me through the ThinQ app, allowing you to view them on the air conditioner.



Low Noise

LG air conditioners operate at 19dB low noise level.

※ Specifications may vary for each model.

How It Works

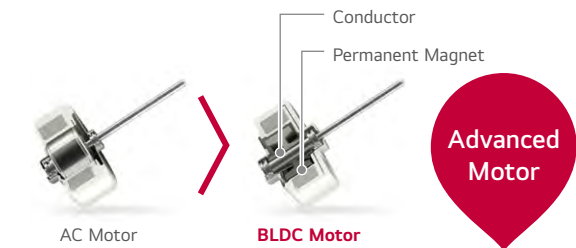
LG's Unique Skew Fan

By minimizing the surface pressure of the fan blade when in contact with the air, the noise produced by the air conditioning unit is reduced to a remarkably low level.



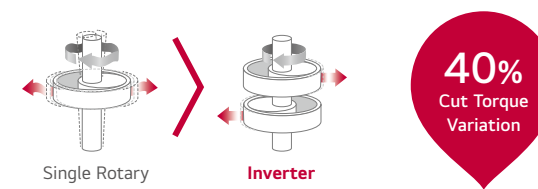
BLDC Fan Motor

With strong torque and powerful ND magnetism as well as precise speed control of 13 different steps for smooth operation, the BLDC motor provides substantial air volume and high static pressure, while keeping electrical and mechanical noise lower, and making high-speed operation available.



ALVC (Active Low Vibration Control)

A speed-error component estimates the load to compensate for imbalances, which are the primary causes of vibration and noise, enabling the rotation of the motor without vibration at low Hz levels.



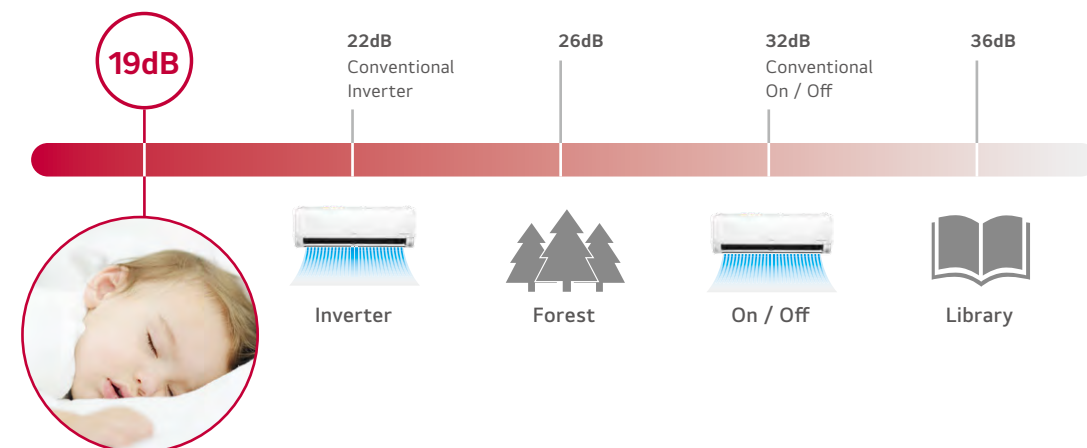
Conventional AC Motor

- Low efficiency.
- Heat problem during overhauling.
- Difficult precise speed control.

BLDC Motor

- Low electric and mechanical noise.
- Durable precise speed control.

Benefit



Fast Cooling

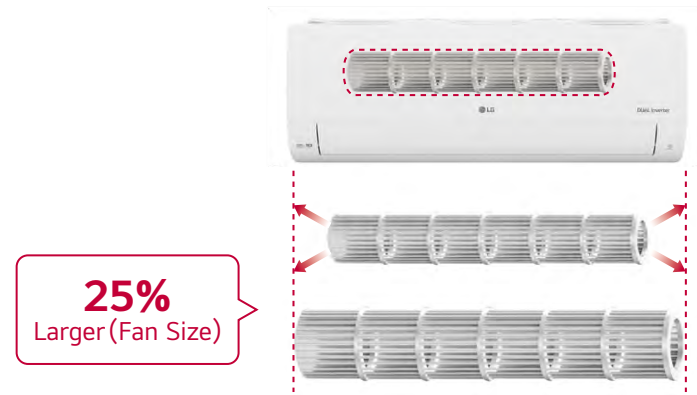
The cool airflow rapidly reaches all the corners of the room, keeping the space cool and comfortable.

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

Pain Point

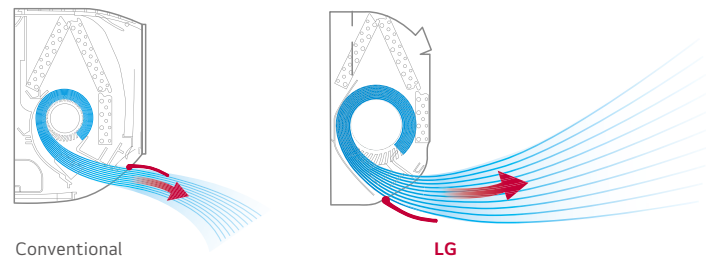
Bigger Skew Fan

Experience a 25% larger skew fan that generates highly powerful air blasts for efficient cooling.



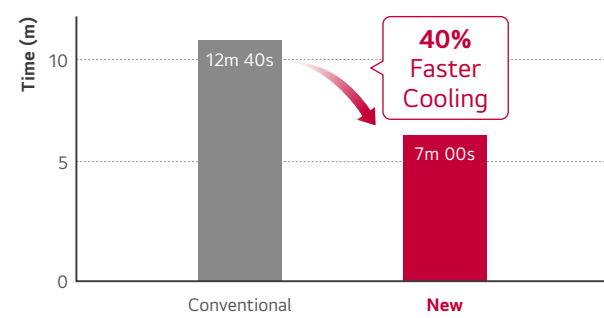
Cooling Outlet

The larger and optimally designed cooling outlet ensures broader coverage, rapidly cooling larger areas for a more comfortable environment.



Test Result

Test Result



※ 26.5°C Reach Time Comparison
 ※ Test Model
 - Conventional : TS-H2465DA0
 - New : US-Q242Kxy0
 ※ Test Conditions :
 Indoor temperature 33°C, Outdoor temperature 35°C,
 Relative humidity 60%, Setting temperature 26°C
 Test room size : 4.3 m * 7.0 m * 2.3 m

Fast Heating

LG Residential Air Conditioners satisfy user needs by consuming less energy and heating a wider space in a shorter period.

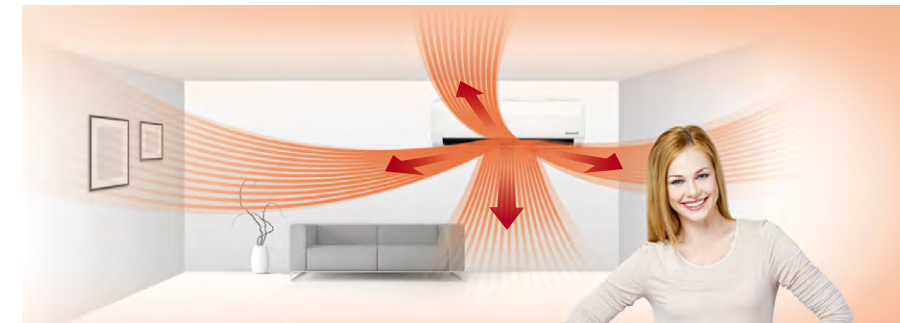
This creates a warm and comfortable living environment.

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

How It Works

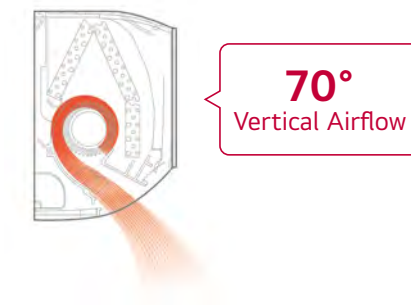
4 Way Auto Swing (Easy Airflow Control)

The 4-Way Auto Swing feature adjusts airflow dynamically based on the surrounding environment. This ensures the optimal distribution of warm air throughout living areas, facilitating quick and efficient heating.



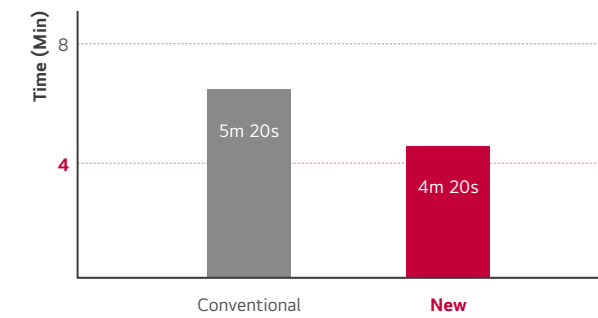
Vertical Airflow

During heating, the vane directs warm air downward, ensuring a pleasant and balanced room temperature.



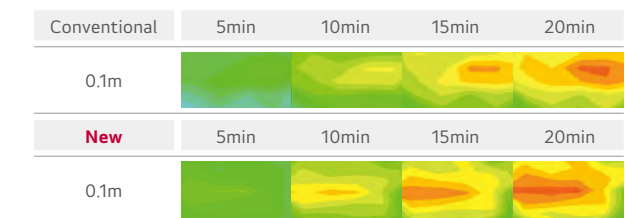
Benefit & Test Result

22% Quick Heating



※ Test Conditions :
 Outdoor temperature : 7°C, Indoor temperature : 12°C,
 Humidity : 87%, Remote control : 30°C Power

Changes in Temperature Over 20 Minutes



※ Test Conditions :
 Outdoor temperature : 7°C, Indoor temperature : 12°C,
 Humidity : 87%, Remote control : 30°C Power

UVnano™

LG DUALCOOL, keeping the fan (inside the unit) 99.99% bacteria-free with ultraviolet light to ensure that the air passing through is clean too.

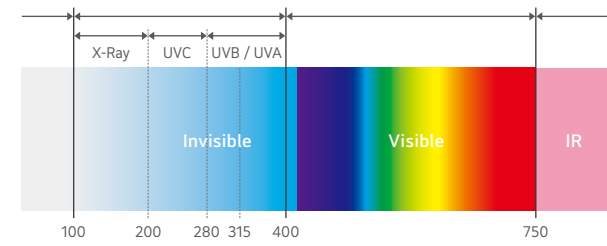
※ UVnano is an integrated marketing name that applies LG Electronics' entire home appliances and it is a compound of the words UV(ultraviolet) and nanometer (unit of length).

What Is UVnano™ and How It Works?

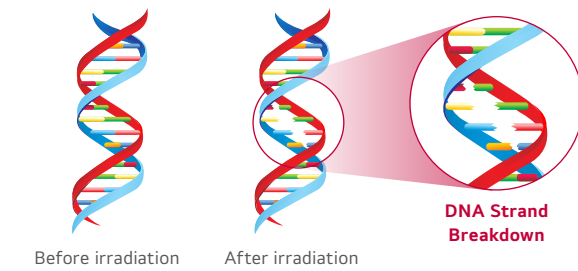
- Emit Ultraviolet rays of UVC wavelength directly damage the DNA of microorganisms (bacteria/mold/viruses) making it impossible for them to multiply.
- High absorption into DNA at 260 to 270 nm wavelengths

DNA Absorption Efficiency by Wavelength

Electromagnetic Spectrum and Types



Destruction Nuclear Sequence (Chain)

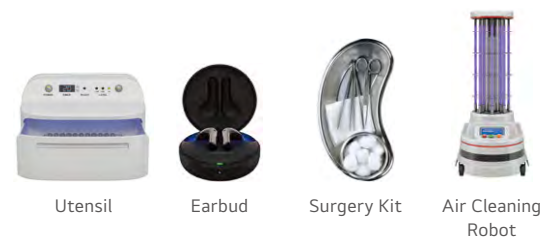


UVC Applied Product

LG Product



Various Product Lines



Benefit & Verification

Keep the fan 99.99% bacteria-clean for a cleaner breeze.



Removes up to **99.99%** of bacteria from the internal fan.



※ Test Condition
 - Test Model : S3NM12JL1GA(SJ), S3NM24K21GA(SK)
 - Test Standard : LG test method with referenced to ISO 20743:2007
 - Bacteria : Staphylococcus aureus, Staphylococcus epidermidis, Klebsiella pneumoniae

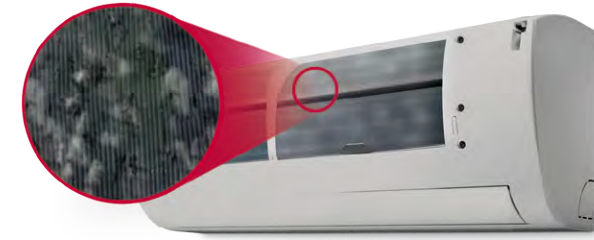
Auto Cleaning

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

※ Specifications may vary for each model.

Pain Point

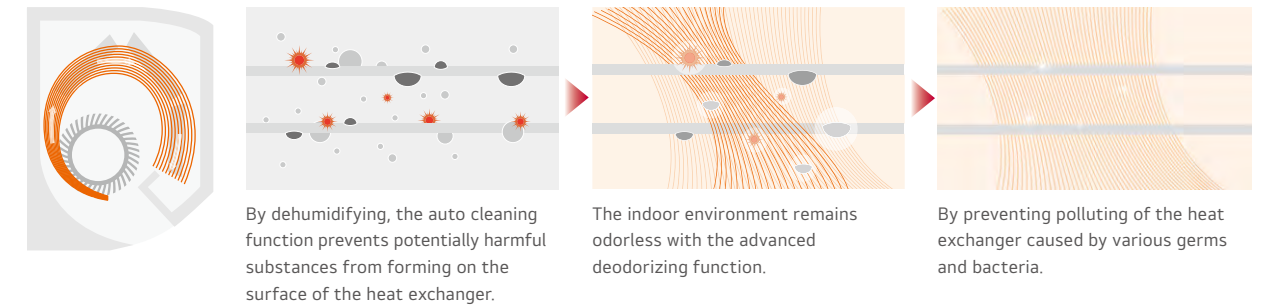
The main cause of odor within air conditioners is mold and bacteria growing on the heat exchanger. These germs can spread when the heat exchanger is wet.



How It Works

Cleans Filter with Regular Air Flow

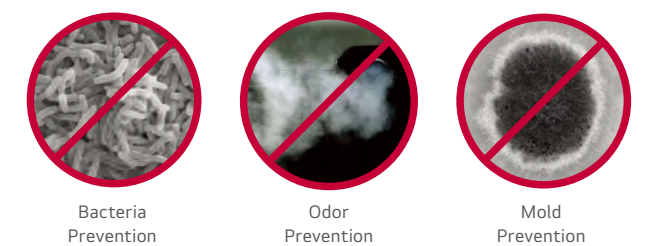
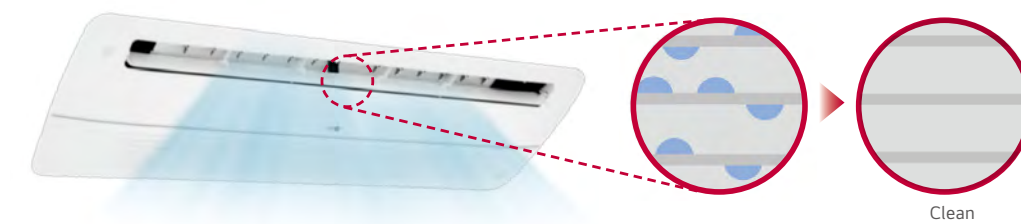
The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger, providing an enhanced environment.



Benefit

Removes Harmful Particles

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



Plasmaster™ Ionizer⁺⁺

The powerful Plasmaster™ Ionizer⁺⁺ removes unpleasant odors, along with Escherichia coli and Staphylococcus on surfaces, using over 8 million ions. Experience a safer, cleaner indoor environment.

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

How It Works

Reduction and Deodorization (Utilizes Over 8 Million Ions)

Plasmaster Ionizer⁺ reduces E.coli and Staphylococcus in the surface with over 8 million ions.

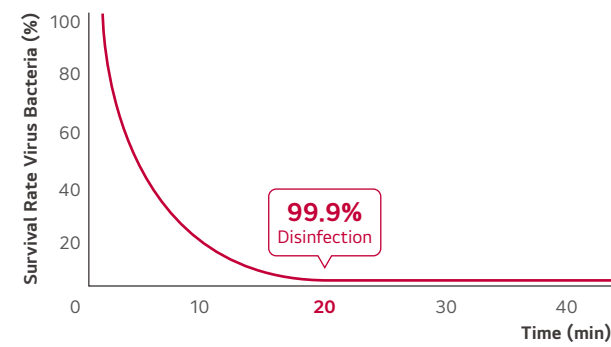


Release of Ions into Air	Surrounding Harmful Substances	OH Radical Production	Chemical Reaction	Disinfection
Ions are released into the air.	H- and O- bond to harmful particles.	OH radicals inactivate harmful substances.	OH radicals bond with H particles.	H ₂ O molecules are produced.

Test Result

Effective Reduction Performance

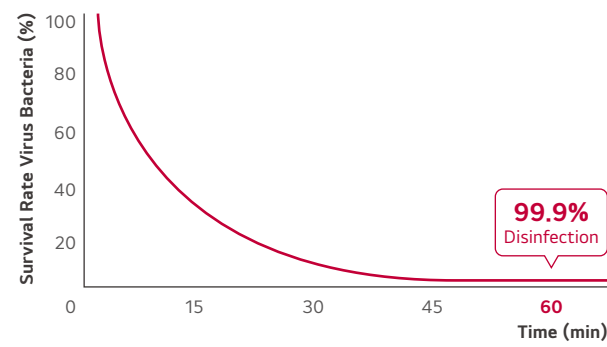
Remove Bacteria E.coli over 99.9% in 20 min



※ Test Conditions :
 Space : 30m³ Chamber (Measuring with the specimen in the center of test chamber)
 Temperature & Humidity : Normal
 Bacteria : E Coli colon bacillus
 Verified by Intertek & TÜV Rheinland

Staphylococcus Sterilization

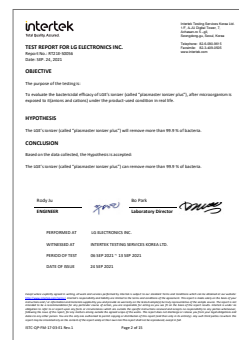
Remove Staphylococcus aureus over 99.9% in 60 min



※ Test Conditions :
 Space : 30m³ Chamber (Measuring with the specimen in the center of test chamber)
 Temperature & Humidity : Normal
 Bacteria : Staphylococcus Aureus
 Verified by Intertek & TÜV Rheinland

Benefit & Verification

The LGE's ionizer, known as "Plasmaster Ionizer Plus," has demonstrated the capability to remove more than 99.9% of bacteria, including Escherichia coli, Pseudomonas aeruginosa, and Staphylococcus aureus.



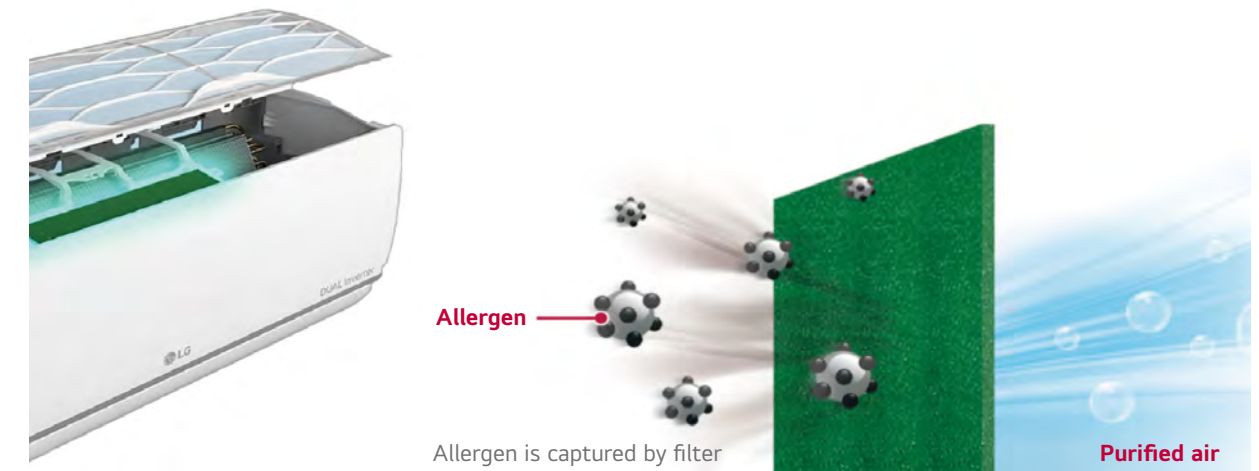
Allergy Filter

While airflow from an air conditioner may trigger symptoms associated with allergies or asthma, LG units feature an interior filter designed to absorb harmful particles such as dust mites, pollen, fungi, and mold that circulate in the air. This ensures a cleaner and more allergen-free environment.

- ※ Specifications may vary for each model.

How It Works

Removes allergy-causing substances, such as dust mites that can be found in the air.



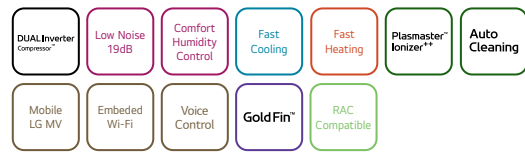
Certification



Certified by AllergyUK

* Test Condition Disclaimer
 A filter is coated to absorb harmful substances that can cause allergies. The air conditioner strongly absorbs indoor air and removes allergy-causing substances, such as house dust mite, fungi, mold, floating in the air.

Allergy UK (a world-renowned organization) is a British medical charity dedicated to helping adults and children with their allergies. The charity was founded in 1991 as the **British Allergy Foundation**, and in 2002 the operational name of the charity became Allergy UK. Allergy UK endorses certain products that restrict or remove high levels of allergens and gives them a Seal of Approval.



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

kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Gallery Premium	-	-	○● A09GA2.NSE	○● A12GA2.NSE	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○● Compatible with Commercial Single Split

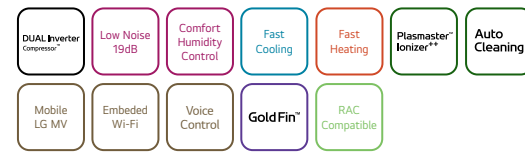
Multi Combination

INDOOR				A09GA2.NSE
Capacity	Cooling	Rated	W	2,500
	Heating	Rated	W	3,300
Sound Pressure*	Cooling	S / L / M / H	dB(A)	20 / 28 / 35 / 41
	Heating	L / M / H	dB(A)	28 / 35 / 41
Sound Power	Cooling	Power	dB(A)	60
		S / L / M / H	m³/min	3.0 / 6.0 / 7.8 / 9.4
Air Flow Rate	Cooling	Max. (Power)	m³/min	12
	Heating	L / M / H	m³/min	6 / 8 / 10
Dehumidification Rate			l/h	1.1
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable			N x mm²	4C x 0.75
Dimension			mm	652 x 652 x 158
Net Weight			kg	20
ACCESSORIES & OTHERS				A09GA2.NSE
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

INDOOR				A12GA2.NSE
Capacity	Cooling	Rated	W	3,500
	Heating	Rated	W	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	20 / 28 / 36 / 42
	Heating	L / M / H	dB(A)	28 / 36 / 42
Sound Power	Cooling	Power	dB(A)	60
		S / L / M / H	m³/min	3.0 / 6.0 / 8.0 / 9.6
Air Flow Rate	Cooling	Max. (Power)	m³/min	12
	Heating	L / M / H	m³/min	6 / 8 / 9.6
Dehumidification Rate			l/h	1.3
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable			N x mm²	4C x 0.75
Dimension			mm	652 x 652 x 158
Net Weight			kg	20
ACCESSORIES & OTHERS				A09GA2.NSE
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

* : Sound Pressure is not a value declared on Eurovent Program.
 ※ This product contains Fluorinated greenhouse gases (R32).
 ※ S : Sleep / L : Low / M : Medium / H : High
 ※ GWP : Global warming potential
 ※ t-CO₂eq : F-gas(kg)*GWP/1000
 ※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
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Preliminary Data Only



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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Gallery Special	-	-	○● A09GA1.NSE	○● A12GA1.NSE	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○● Compatible with Commercial Single Split

Multi Combination

INDOOR				A09GA1.NSE
Capacity	Cooling	Rated	W	2,500
	Heating	Rated	W	3,300
Sound Pressure*	Cooling	S / L / M / H	dB(A)	20 / 28 / 35 / 41
	Heating	L / M / H	dB(A)	28 / 35 / 41
Sound Power	Cooling	Power	dB(A)	60
		S / L / M / H	m³/min	3.0 / 6.0 / 7.8 / 9.4
Air Flow Rate	Cooling	Max. (Power)	m³/min	12
	Heating	L / M / H	m³/min	6 / 8 / 10
Dehumidification Rate			l/h	1.1
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable			N x mm²	4C x 0.75
Dimension			mm	652 x 652 x 158
Net Weight			kg	20
ACCESSORIES & OTHERS				A09GA1.NSE
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

INDOOR				A12GA1.NSE
Capacity	Cooling	Rated	W	3,500
	Heating	Rated	W	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	20 / 28 / 36 / 42
	Heating	L / M / H	dB(A)	28 / 36 / 42
Sound Power	Cooling	Power	dB(A)	60
		S / L / M / H	m³/min	3.0 / 6.0 / 8.0 / 9.6
Air Flow Rate	Cooling	Max. (Power)	m³/min	12
	Heating	L / M / H	m³/min	6 / 8 / 9.6
Dehumidification Rate			l/h	1.3
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable			N x mm²	4C x 0.75
Dimension			mm	652 x 652 x 158
Net Weight			kg	20
ACCESSORIES & OTHERS				A12GA1.NSE
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

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 ※ This product contains Fluorinated greenhouse gases (R32).
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 ※ GWP : Global warming potential
 ※ t-CO₂eq : F-gas(kg)*GWP/1000
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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Mirror	-	● AM07BK.NSJ	○ AC09BK.NSJ	○ AC12BK.NSJ	-	○ AC18BK.NSK	○ AC24BK.NSK

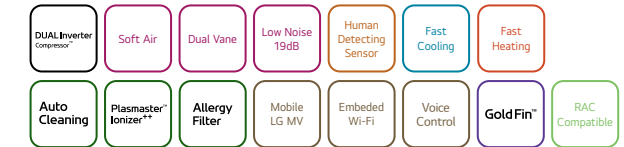
● Multi Only ○ Compatible with Residential Single Split ○ Compatible with Commercial Single Split

Multi Combination

INDOOR				AM07BK.NSJ	AC09BK.NSJ	AC12BK.NSJ
Capacity	Cooling	Rated	W	2,100	2,500	3,500
	Heating	Rated	W	2,300	3,200	3,800
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 26 / 32 / 36	19 / 26 / 33 / 38	19 / 26 / 35 / 39
	Heating	L / M / H	dB(A)	26 / 32 / 36	26 / 33 / 38	26 / 35 / 39
Sound Power	Cooling	Power	dB(A)	57	57	57
	Heating	S / L / M / H	m ³ /min	3.0 / 5.0 / 7.2 / 8.6	3.0 / 5.0 / 7.6 / 9.1	3.0 / 5.0 / 8.1 / 9.6
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	11.1	11.1	11.1
	Heating	L / M / H	m ³ /min	5.0 / 7.2 / 8.6	5.0 / 7.6 / 9.1	5.0 / 8.1 / 9.6
Dehumidification Rate			l/h	0.9	1.1	1.2
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192
Net Weight			kg	9.9	9.9	9.9
ACCESSORIES & OTHERS				AM07BK.NSJ	AC09BK.NSJ	AC12BK.NSJ
Wall Type Single Split Compatible				-	Y	Y
Commercial Single Split Compatible				-	-	-
Dry Contact				Y	Y	Y
Wired Remote Controller				Y	Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y	Y

INDOOR				AC18BK.NSK	AC24BK.NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	59	65
	Heating	S / L / M / H	m ³ /min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	16.8	18.3
	Heating	L / M / H	m ³ /min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 212	998 x 345 x 212
Net Weight			kg	12.8	13.5
ACCESSORIES & OTHERS				AC18BK.NSK	AC24BK.NSK
Wall Type Single Split Compatible				Y	Y
Commercial Single Split Compatible				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Premium	-	-	○ H09S1P.NS1	○ H12S1P.NS1	-	-	-

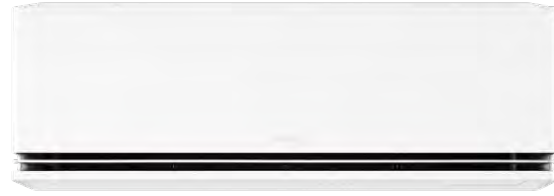
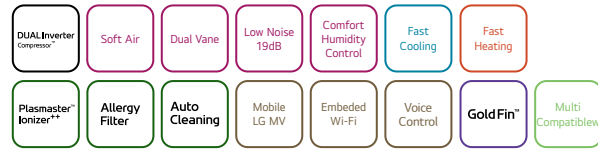
● Multi Only ○ Compatible with Residential Single Split ○ Compatible with Commercial Single Split

Multi Combination

INDOOR				H09S1P.NS1
Capacity	Cooling	Rated	W	2,500
	Heating	Rated	W	3,200
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 31 / 35
	Heating	L / M / H	dB(A)	27 / 31 / 35
Sound Power	Cooling	Power	dB(A)	60
	Heating	S / L / M / H	m ³ /min	2.0 / 5.7 / 6.9 / 8.1
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	11.2
	Heating	L / M / H	m ³ /min	5.7 / 6.9 / 8.1
Dehumidification Rate			l/h	1.1
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75
Dimension			mm	895 x 307 x 235
Net Weight			kg	12.5
ACCESSORIES & OTHERS				H09S1P.NS1
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

INDOOR				H12S1P.NS1
Capacity	Cooling	Rated	W	3,500
	Heating	Rated	W	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 33 / 37
	Heating	L / M / H	dB(A)	27 / 33 / 37
Sound Power	Cooling	Power	dB(A)	60
	Heating	S / L / M / H	m ³ /min	2.0 / 5.7 / 7.4 / 9.1
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	11.2
	Heating	L / M / H	m ³ /min	5.7 / 7.4 / 9.1
Dehumidification Rate			l/h	1.3
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75
Dimension			mm	895 x 307 x 235
Net Weight			kg	12.5
ACCESSORIES & OTHERS				H12S1P.NS1
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Deluxe	-	-	○● H09S1D.NS1	○● H12S1D.NS1	-	○● H18S1D.NS1	○● H24S1D.NS1

● Multi Only ○● Compatible with Residential Single Split ○● Compatible with Commercial Single Split

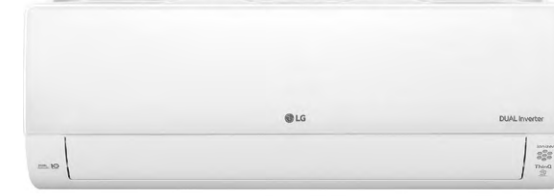
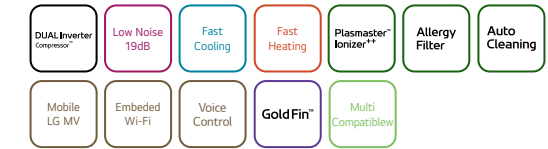
Multi Combination

INDOOR				H09S1D.NS1	H12S1D.NS1
Capacity	Cooling	Rated	W	2,500	3,500
	Heating	Rated	W	3,200	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 31 / 35	19 / 27 / 33 / 37
	Heating	L / M / H	dB(A)	27 / 31 / 35	27 / 33 / 37
Sound Power	Cooling	Power	dB(A)	56	56
		S / L / M / H	m ³ /min	2.0 / 5.7 / 6.9 / 8.1	2.0 / 5.7 / 7.4 / 9.1
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	11.2	11.2
	Heating	L / M / H	m ³ /min	5.7 / 6.9 / 8.1	5.7 / 7.4 / 9.1
Dehumidification Rate			l/h	1.1	1.3
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75
Dimension			mm	895 x 307 x 235	895 x 307 x 235
Net Weight			kg	11.0	11.0
ACCESSORIES & OTHERS				H09S1D.NS1	H12S1D.NS1
Wall Type Single Split Compatible				Y	Y
Commercial Single Split Compatible				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

INDOOR				H18S1D.NS1	H24S1D.NS1
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	29 / 34 / 41 / 45	29 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 41 / 45	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	60	65
		S / L / M / H	m ³ /min	- / 8.1 / 9.7 / 11.3	- / 8.1 / 9.9 / 11.7
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	13.6	14.8
	Heating	L / M / H	m ³ /min	8.1 / 9.7 / 11.3	8.1 / 11.1 / 13.6
Dehumidification Rate			l/h	1.8	2.5
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75
Dimension			mm	895 x 307 x 235	895 x 307 x 235
Net Weight			kg	12.5	12.5
ACCESSORIES & OTHERS				H18S1D.NS1	H24S1D.NS1
Wall Type Single Split Compatible				Y	Y
Commercial Single Split Compatible				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

Preliminary Data Only

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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Special DC1	-	● DM07RK.NSJ	○● DC09RK.NSJ	○● DC12RK.NSJ	-	○● DC18RK.NSK	○● DC24RK.NSK

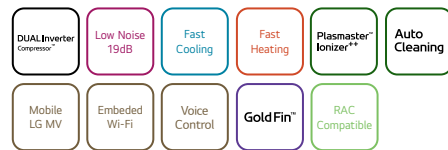
● Multi Only ○● Compatible with Residential Single Split ○● Compatible with Commercial Single Split

Multi Combination

INDOOR				DM07RK.NSJ	DC09RK.NSJ	DC12RK.NSJ
Capacity	Cooling	Rated	W	2,100	2,500	3,500
	Heating	Rated	W	2,300	3,200	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 31 / 36	19 / 27 / 32 / 36	19 / 29 / 34 / 38
	Heating	L / M / H	dB(A)	27 / 31 / 36	27 / 32 / 36	29 / 34 / 39
Sound Power	Cooling	Power	dB(A)	56	56	56
		S / L / M / H	m ³ /min	3.5 / 5.0 / 6.1 / 7.4	3.5 / 5.0 / 6.4 / 7.7	3.5 / 5.3 / 6.7 / 8.1
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	10.1	10.1	10.1
	Heating	L / M / H	m ³ /min	5.0 / 6.1 / 7.4	5.0 / 6.4 / 7.7	5.3 / 6.7 / 8.1
Dehumidification Rate			l/h	0.9	1.1	1.2
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	9.1	9.1	9.1
ACCESSORIES & OTHERS				DM07RK.NSJ	DC09RK.NSJ	DC12RK.NSJ
Wall Type Single Split Compatible				-	Y	Y
Commercial Single Split Compatible				-	-	-
Dry Contact				Y	Y	Y
Wired Remote Controller				Y	Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y	Y

INDOOR				DC18RK.NSK	DC24RK.NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	60	64
		S / L / M / H	m ³ /min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	16.8	18.3
	Heating	L / M / H	m ³ /min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	11.9	12.7
ACCESSORIES & OTHERS				DC18RK.NSK	DC24RK.NSK
Wall Type Single Split Compatible				Y	Y
Commercial Single Split Compatible				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

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 ※ t-CO₂eq : F-gas(kg)*GWP/1000
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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0

Special DC2	-	-	○● DC09RT.NSJ	○● DC12RT.NSJ	-	-	-
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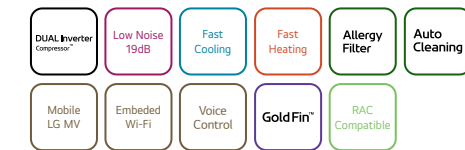
● Multi Only ○● Compatible with Residential Single Split ○● Compatible with Commercial Single Split

Multi Combination

INDOOR				DC09RT.NSJ
Capacity	Cooling	Rated	W	2,500
	Heating	Rated	W	3,300
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 41
	Heating	L / M / H	dB(A)	27 / 35 / 41
Sound Power	Cooling	Power	dB(A)	59
		S / L / M / H	m³/min	3.0 / 4.2 / 7.5 / 10.0
Air Flow Rate	Cooling	Max. (Power)	m³/min	12.5
	Heating	L / M / H	m³/min	5.6 / 7.2 / 10.0
Dehumidification Rate			l/h	1.1
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable			N x mm²	3C x 1.0
Dimension			mm	837 x 308 x 189
Net Weight			kg	9.1
ACCESSORIES & OTHERS				DC09RT.NSJ
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

INDOOR				DC12RT.NSJ
Capacity	Cooling	Rated	W	3,500
	Heating	Rated	W	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 41
	Heating	L / M / H	dB(A)	27 / 35 / 41
Sound Power	Cooling	Power	dB(A)	59
		S / L / M / H	m³/min	3.0 / 4.2 / 7.5 / 10.0
Air Flow Rate	Cooling	Max. (Power)	m³/min	12.5
	Heating	L / M / H	m³/min	5.6 / 7.2 / 10.0
Dehumidification Rate			l/h	1.3
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable			N x mm²	3C x 1.0
Dimension			mm	837 x 308 x 189
Net Weight			kg	9.1
ACCESSORIES & OTHERS				DC12RT.NSJ
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

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 ※ S : Sleep / L : Low / M : Medium / H : High
 ※ GWP : Global warming potential
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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0

Special PC	● PM05SK.NSA	● PM07SK.NSA	○● PC09SK.NSJ	● PM15SK.NSJ	○● PC18SK.NSK	○● PC18SK.NSK	○● PC24SK.NSK
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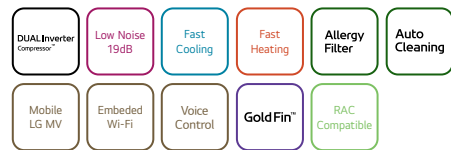
● Multi Only ○● Compatible with Residential Single Split ○● Compatible with Commercial Single Split

Multi Combination

INDOOR				PM05SK.NSA	PM07SK.NSA	PC09SK.NSJ	PC12SK.NSJ	PM15SK.NSJ
Capacity	Cooling	Rated	W	1,500	2,100	2,500	3,500	4,200
	Heating	Rated	W	1,600	2,300	3,200	3,800	5,400
Sound Pressure*	Cooling	S / L / M / H	dB(A)	22 / 27 / 31 / 36	22 / 27 / 32 / 37	19 / 26 / 33 / 38	19 / 26 / 35 / 39	19 / 28 / 38 / 41
	Heating	L / M / H	dB(A)	25 / 29 / 35	25 / 31 / 37	26 / 33 / 38	26 / 35 / 39	28 / 38 / 41
Sound Power	Cooling	Power	dB(A)	57	57	57	57	57
		S / L / M / H	m³/min	2.0 / 3.5 / 5.0 / 6.3	2.0 / 3.5 / 5.3 / 6.6	3.0 / 5.0 / 7.6 / 9.1	3.0 / 5.0 / 8.1 / 9.6	3.0 / 5.4 / 8.6 / 10.0
Air Flow Rate	Cooling	Max. (Power)	m³/min	11.1	11.1	11.1	11.1	11.1
	Heating	L / M / H	m³/min	4.5 / 5.3 / 6.8	4.5 / 5.7 / 7.2	5.0 / 7.6 / 9.1	5.0 / 8.1 / 9.6	5.4 / 8.6 / 10.0
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	754 x 308 x 189	754 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	7.8	7.8	8.7	8.7	8.7
ACCESSORIES & OTHERS				PM05SK.NSA	PM07SK.NSA	PC09SK.NSJ	PC12SK.NSJ	PM15SK.NSJ
Wall Type Single Split Compatible				-	-	Y	Y	-
Commercial Single Split Compatible				-	-	-	-	-
Dry Contact				Y	Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y	Y	Y	Y

INDOOR				PC18SK.NSK	PC24SK.NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	59	65
		S / L / M / H	m³/min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
Air Flow Rate	Cooling	Max. (Power)	m³/min	16.8	18.3
	Heating	L / M / H	m³/min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm²	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	11.9	12.7
ACCESSORIES & OTHERS				PC18SK.NSK	PC24SK.NSK
Wall Type Single Split Compatible				Y	Y
Commercial Single Split Compatible				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.
 ※ This product contains Fluorinated greenhouse gases (R32).
 ※ S : Sleep / L : Low / M : Medium / H : High
 ※ GWP : Global warming potential
 ※ t-CO₂eq : F-gas(kg)*GWP/1000
 ※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
 ※ Y : Available or Applied / - : Not Available or Not Applied



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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Special MJ	● MJ05PC.NSJ	● MJ07PC.NSJ	○ MJ09PC.NSJ	○ MJ12PC.NSJ	● MJ15PC.NSJ	○ MJ18PC.NSK	○ MJ24PC.NSK

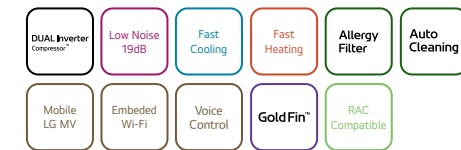
● Multi Only ○● Compatible with Residential Single Split ○○ Compatible with Commercial Single Split

Multi Combination

INDOOR				MJ05PC.NSJ	MJ07PC.NSJ	MJ09PC.NSJ	MJ12PC.NSJ	MJ15PC.NSJ
Capacity	Cooling	Rated	W	1,500	2,100	2,500	3,500	4,200
	Heating	Rated	W	1,600	2,300	3,200	3,800	5,400
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 30 / 35	19 / 27 / 31 / 36	19 / 27 / 32 / 36	19 / 29 / 34 / 38	19 / 29 / 35 / 40
	Heating	L / M / H	dB(A)	27 / 30 / 35	27 / 31 / 36	27 / 32 / 36	29 / 34 / 38	29 / 35 / 40
Sound Power	Cooling	Power	dB(A)	57	57	57	57	57
	Heating	S / L / M / H	m ³ /min	3.5 / 5.0 / 5.8 / 7.1	3.5 / 5.0 / 6.1 / 7.4	3.5 / 5.0 / 6.4 / 7.7	3.5 / 5.3 / 6.7 / 8.1	3.5 / 5.4 / 7.0 / 8.7
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	10.1	10.1	10.1	10.1	10.1
	Heating	L / M / H	m ³ /min	5.0 / 5.8 / 7.1	5.0 / 6.1 / 7.4	5.0 / 6.4 / 7.7	5.3 / 6.7 / 8.1	5.4 / 7.0 / 8.7
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	8.7	8.7	8.7	8.7	8.7
ACCESSORIES & OTHERS				MJ05PC.NSJ	MJ07PC.NSJ	MJ09PC.NSJ	MJ12PC.NSJ	MJ15PC.NSJ
Wall Type Single Split Compatible				-	-	-	-	-
Commercial Single Split Compatible				-	-	Y	Y	-
Dry Contact				Y	Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y	Y	Y	Y

INDOOR				MJ18PC.NSK	MJ24PC.NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	59	65
	Heating	S / L / M / H	m ³ /min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	16.8	18.3
	Heating	L / M / H	m ³ /min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	12.0	12.0
ACCESSORIES & OTHERS				MJ18PC.NSK	MJ24PC.NSK
Wall Type Single Split Compatible				-	-
Commercial Single Split Compatible				Y	Y
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.
 ※ This product contains Fluorinated greenhouse gases (R32).
 ※ S : Sleep / L : Low / M : Medium / H : High
 ※ GWP : Global warming potential
 ※ t-CO₂eq : F-gas(kg)*GWP/1000
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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Special ET	-	● MS07ET.NSA	○● S09ET.NSJ	○● S12ET.NSJ	-	○● S18ET.NSK	○● S24ET.NSK

● Multi Only ○● Compatible with Residential Single Split ○○ Compatible with Commercial Single Split

Multi Combination

INDOOR				MS07ET.NSA	S09ET.NSJ	S12ET.NSJ
Capacity	Cooling	Rated	W	2,100	2,500	3,500
	Heating	Rated	W	2,300	3,200	3,800
Sound Pressure*	Cooling	S / L / M / H	dB(A)	22 / 27 / 32 / 37	19 / 26 / 33 / 38	19 / 26 / 35 / 39
	Heating	L / M / H	dB(A)	25 / 31 / 37	26 / 33 / 38	26 / 35 / 39
Sound Power	Cooling	Power	dB(A)	57	57	57
	Heating	S / L / M / H	m ³ /min	2.0 / 3.5 / 5.3 / 6.6	3.0 / 5.0 / 7.6 / 9.1	3.0 / 5.0 / 8.1 / 9.6
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	10.5	11.1	11.1
	Heating	L / M / H	m ³ /min	4.5 / 5.7 / 7.2	5.0 / 7.6 / 9.1	5.0 / 8.1 / 9.6
Dehumidification Rate			l/h	0.6	1.1	1.2
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	754 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	7.8	8.7	8.7
ACCESSORIES & OTHERS				MS07ET.NSA	S09ET.NSJ	S12ET.NSJ
Wall Type Single Split Compatible				-	Y	Y
Commercial Single Split Compatible				-	-	-
Dry Contact				Y	Y	Y
Wired Remote Controller				Y	Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y	Y

INDOOR				S18ET.NSK	S24ET.NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	59	65
	Heating	S / L / M / H	m ³ /min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
Air Flow Rate	Cooling	Max. (Power)	m ³ /min	16.8	18.3
	Heating	L / M / H	m ³ /min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm ²	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	11.9	12.7
ACCESSORIES & OTHERS				S18ET.NSK	S24ET.NSK
Wall Type Single Split Compatible				Y	Y
Commercial Single Split Compatible				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

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 ※ This product contains Fluorinated greenhouse gases (R32).
 ※ S : Sleep / L : Low / M : Medium / H : High
 ※ GWP : Global warming potential
 ※ t-CO₂eq : F-gas(kg)*GWP/1000
 ※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
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Enjoy A New Level Of Fresh Air

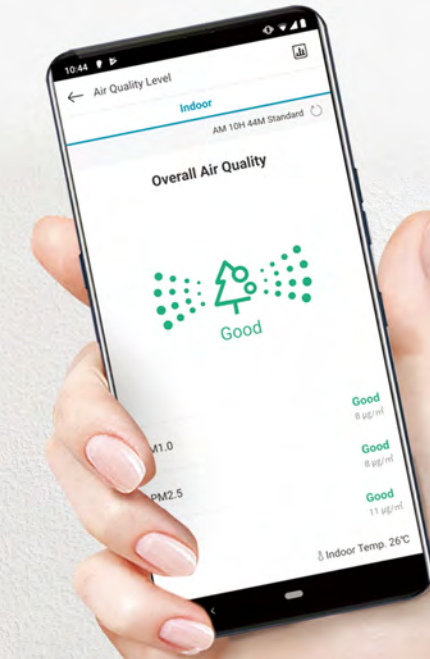
Air Purification Kit with 1 Way CST



Cooling + Heating + Air Purification
Comfort 365 Days

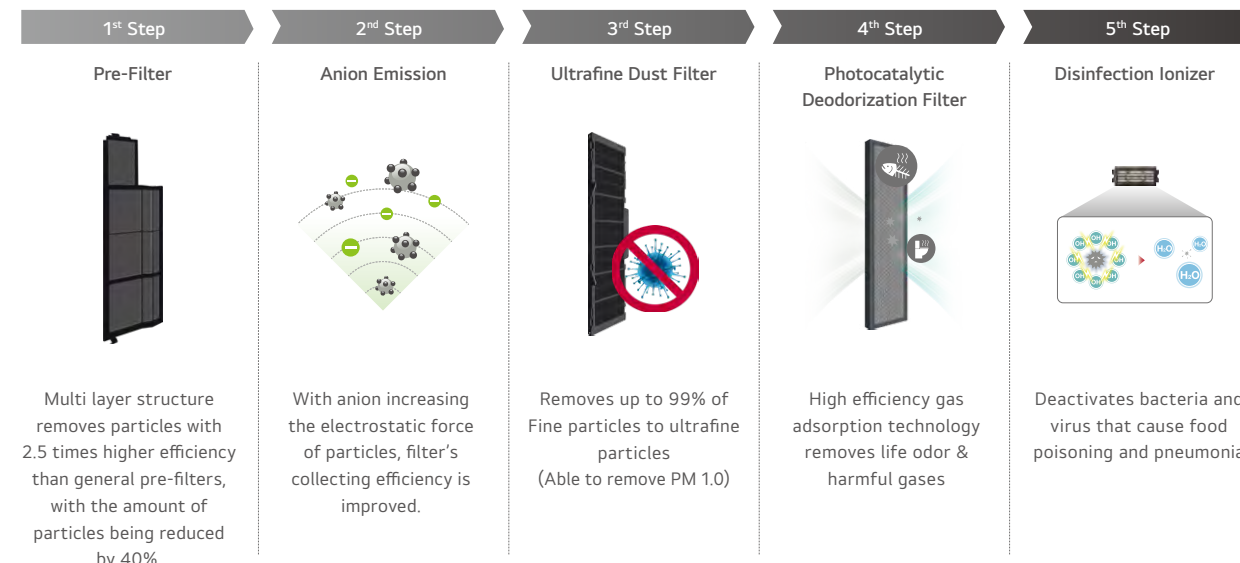
Removes Ultrafine Dust
**Electrical Diffusion,
PM 1.0 & Deodorization
Filter and Ionizer**

Real-time Control & Monitoring
**Smart Indicator
Remote Controller
Smart Phone (ThinQ App)**



Air Conditioner and Air Purifier in One

5-Steps air cleaning process removes invisible, Ultrafine dust, odor and germs to ensure a clean and healthy living environment.



Convenient Monitoring

Smart Indicator	Remote Controller	Smart Phone
Shows quality of Indoor air in real time <p>* Color display by dust density</p>	Displays air status and fine dust concentration 	Control air status can be checked whenever & wherever. <p>* Wi-Fi Module is an Option</p>

Certificate of Removal Performance

[Verification for Ultrafine Dust Removal]
[Verification for Culturable Bacteria and Virus Removal]



- [1 Way CST]
- Virus (Bacteriophage Phi-X174): 95.3% removed within 30 minutes
 - Bacteria (Staphylococcus): 91.2% removed within 60 minutes
 - Ultrafine dust removal (50 nm, 100 nm): 99.9% removed

Human Detection for Your Comfort and Energy Saving

Human detection function identifies presence of people in order to provide pleasant airflow & energy saving.

Comfort Indirect

Prevent airflow from heading to a user by sensing.



- Available only for CT24F NB0 Model.
- Available only for products with Human Detecting sensor.

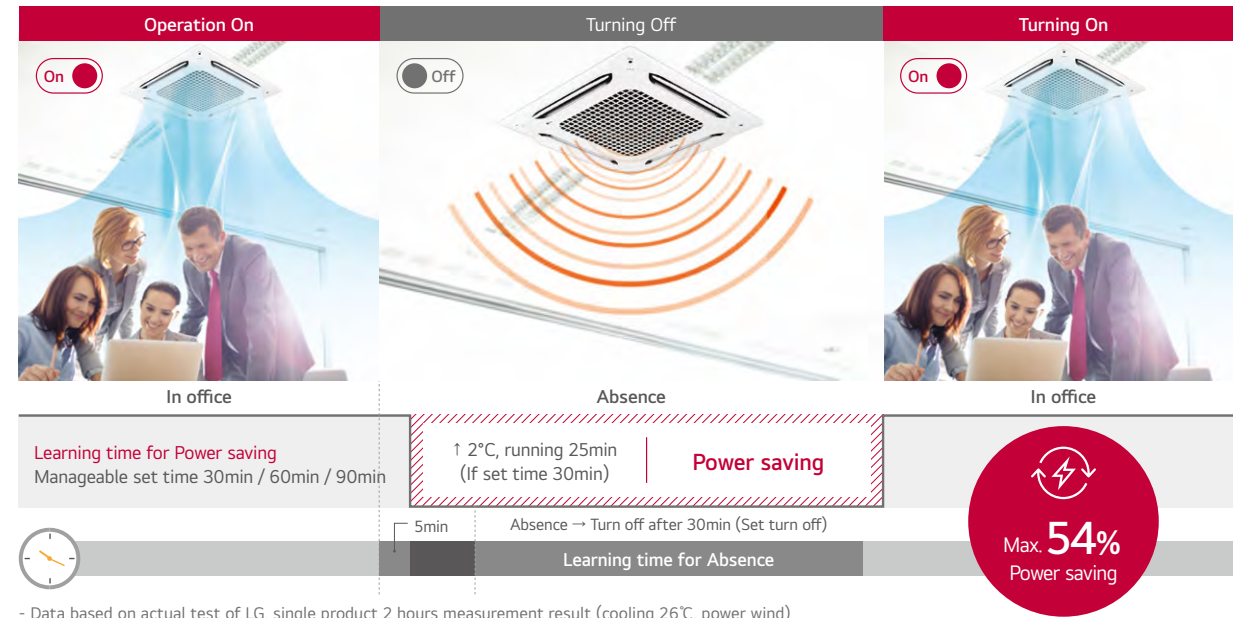
Follow User Direct

Head air flow to a user by sensing.



Sensor Detection for Energy Saving

The sensor detects the absence of occupants and stops / activates operation, saving 54% of energy.



- Data based on actual test of LG, single product 2 hours measurement result (cooling 26°C, power wind)

Human Detecting Process

Step 1

Select candidates to be recognized as a human body based on motion detection.



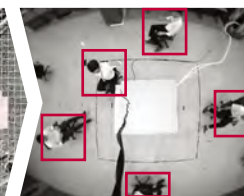
Inputting Image



Detecting Motion



Selecting Human Body Candidates



Human Body Sorter



Final detected Human Body Candidates

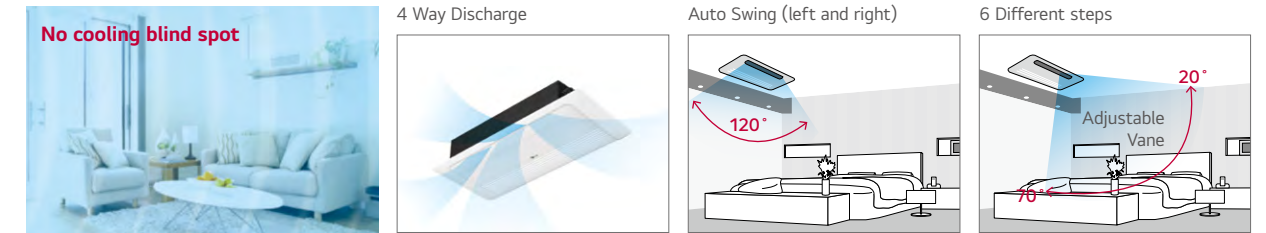
※ Images are not saved.

Comfort Air

Two vane angles can be controlled in 6 steps from 20° to 70°, depending on the indoor environment and personal preference.

Automatic 4 Way Wind Direction

The wind is discharged evenly up, down, left, and right automatically, so there is no cooling blind spot.

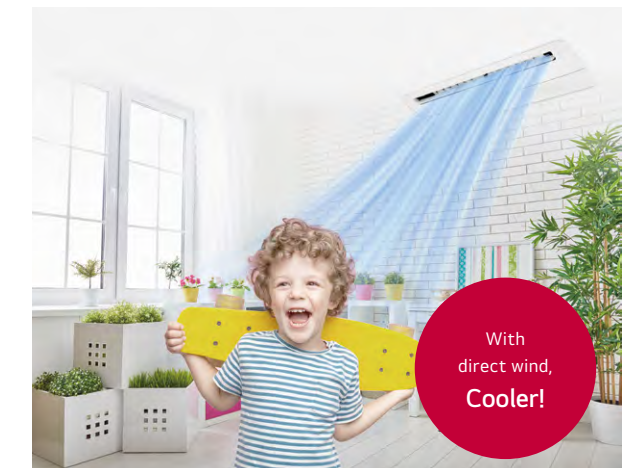


Direct & Indirect Wind

1 Way Cassette



Comfort indirect wind
Without blowing directly at people in the room, the space is comfortable!



Cool direct wind
Cooler on a hot day.

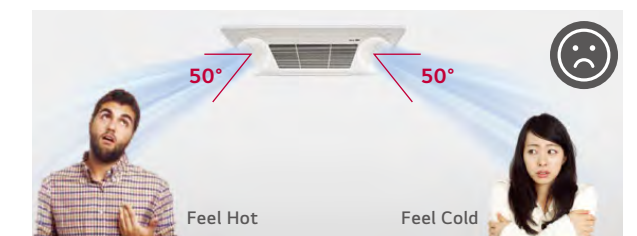
Independent Vane Operation

The independent vane operation function uses separate motors, making it possible to control all four vanes independently.



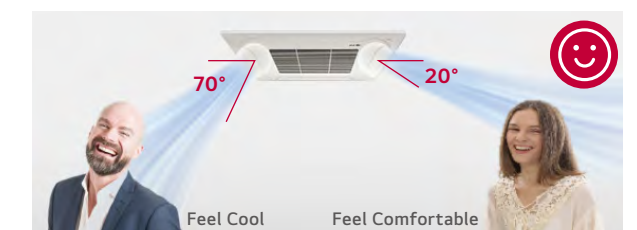
Individual vane control

Swirl swing



Feel Hot

Feel Cold



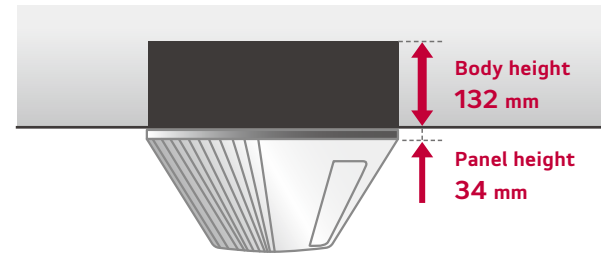
Feel Cool

Feel Comfortable

Compact Size of Indoor Unit

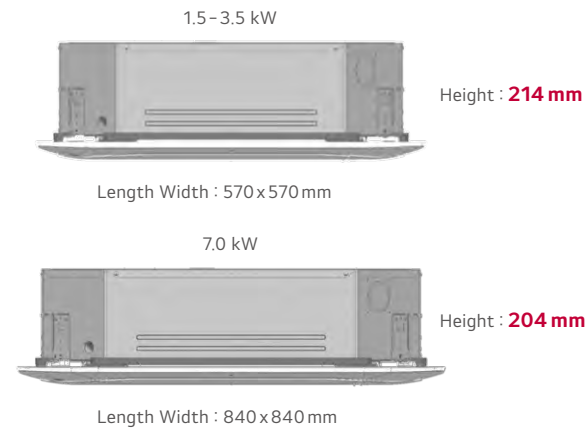
LG 1 Way Cassette

Slim & compact design not only saves space, but also reduces installation costs. **The height of 1 Way Cassette is 132 mm, making it the ideal solution for installation in limited space.**



LG 4 Way Cassette

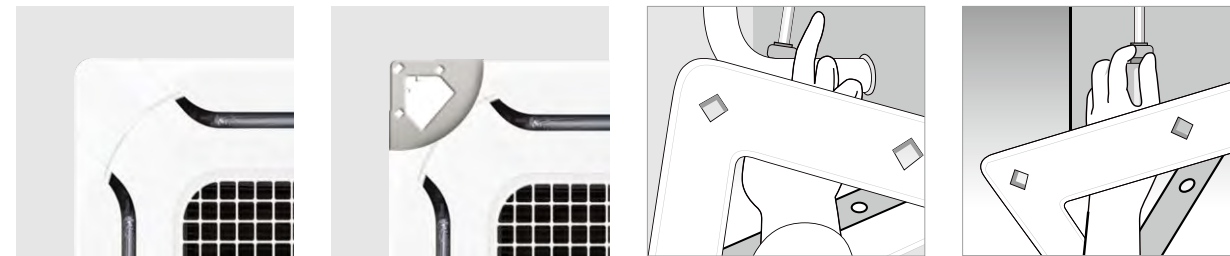
Slim & compact design not only saves space, but also improves workability. It's designed to suit most of building designs and fit into various spaces.



Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe. And it is easy to install the panel to the body, using the button type panel design.

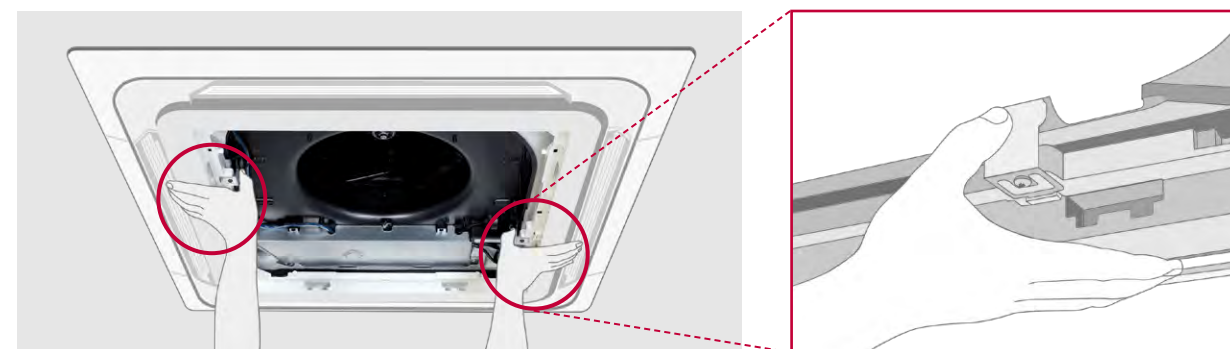
Detachable Corner Design



Drain Leakage Check

Hanger adjust

One Push Panel



Filter Maintenance & Sign

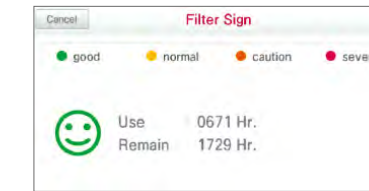
1 Way Cassette notifies the user of the time of cleaning not only by the remote controller or mobile application, but also by the LED display on the cassette. It makes the filter management easy and the indoor environment can be kept clean.

Filter Sign

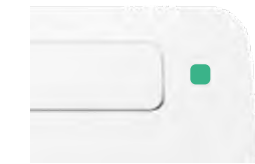
Mobile Application*



Wired Remote Controller



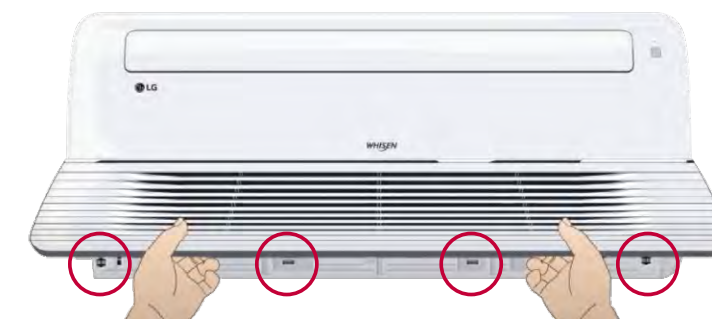
Indicator Color



DESCRIPTION	LAMP COLOR
Cooling mode	Green
Heating mode	Green
Time to clean filter in cooling/heating Mode	Yellowish Green
Time to clean filter when product is not operating	Orange
Hot start or defrost mode before starting heating mode	Green
When reservation set on	Yellowish Green

One Touch Magnetic

The 1 Way cassette is easily maintained when filter change or cleaning by one touch magnetic are needed.



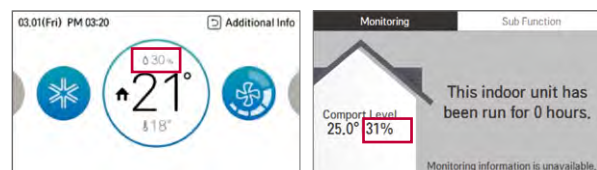
Convenient Remote Controller for Ceiling Mounted Cassette and Ceiling Concealed Duct

Standard III remote controller offers 4.3 inch LCD screen with luxurious design which well-matches interior design through simple button layout.



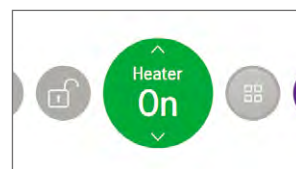
Standard III Remote Controller

Humidity Display



External Equipment Control

A user can turn on or off the external equipment through 1 Digital Output port



User Friendly Design

Intuitive GUI design using circle theme



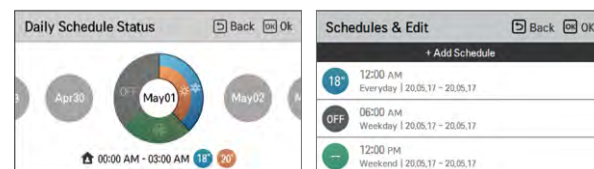
Note : Some function may not work in some products

Multi Language Support

English, French, German, Spanish, Italian Portuguese, Polish, Czech, Russian, Chinese

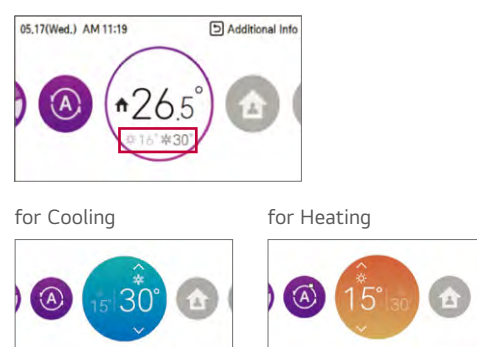
Optimized Schedule

Easy scheduling from daily to yearly



2 Set Point

Room temperature is decided by setting 2 set point for cooling and heating



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

kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
1 Way Cassette	-	-	● MT09R.NU1	● MT11R.NU1	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○● Compatible with Commercial Single Split

1 Way Cassette

INDOOR				MT09R.NU1	MT11R.NU1
Capacity	Cooling / Heating	Nom.	kW	2.6 / 2.9	3.5 / 3.9
Power Input		Nom.	W	20	20
Running Current		Nom.	A	0.2	0.2
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	7.5 / 7.3 / 6.8	8.1 / 7.4 / 7.0
Sound Pressure*	Cooling	H / M / L	dB(A)	36 / 34 / 32	37 / 36 / 33
Sound Power	Cooling	Max.	dB(A)	54	57
Dehumidification Rate			l/h	1.1	1.2
Dimensions	Body	W x H x D	mm	860 x 132 x 450	860 x 132 x 450
Net Weight	Body		kg	13.5	13.5
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
Decoration Panel	Model			PT-UAHW0 / PT-UAHG0 / PT-UPHG0	PT-UAHW0 / PT-UAHG0 / PT-UPHG0
ACCESSORIES & OTHERS				MT09R.NU1	MT11R.NU1
Commercial Single Split Compatible				-	-
Dual Vane Cassette Panel				-	-
Air Purification Kit				Y	Y
Dry Contact				Y	Y
Wireless or Wired Remote Controller				Y	Y
ThinQ (Wi-Fi)				Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.
 ※ This product contains Fluorinated greenhouse gases (R32).
 ※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.
 ※ Y : Available or Applied / - : Not Available or Not Applied



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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
4 Way Cassette	● MT06R.NR0	● MT08R.NR0	◎ CT09F.NR0	◎ CT12F.NR0	-	◎ CT18F.NQ0	◎ CT24F.NB0

● Multi Only ○● Compatible with Residential Single Split ◎ Compatible with Commercial Single Split

4 Way Cassette

INDOOR				MT06R.NR0	MT08R.NR0	CT09F.NR0
Capacity	Cooling / Heating	Nom.	kW	1.5 / 1.6	2.1 / 2.3	2.6 / 2.9
Power Input		Nom.	W	20	20	22
Running Current		Nom.	A	0.40	0.40	0.40
Power Supply		∅ / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	7.5 / 6.0 / 5.0	7.5 / 6.0 / 5.0	8.5 / 7.0 / 6.0
Sound Pressure*	Cooling	H / M / L	dB(A)	31 / 27 / 24	31 / 27 / 24	36 / 33 / 30
Sound Power	Cooling	Max.	dB(A)	48	48	52
Dehumidification Rate			l/h	-	-	0.9
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570
Net Weight	Body		kg	11.7	11.7	12.4
Piping Connection	Liquid		mm (inch)	∅6.35 (1/4)	∅6.35 (1/4)	∅6.35 (1/4)
	Gas		mm (inch)	∅9.52 (3/8)	∅9.52 (3/8)	∅9.52 (3/8)
Decoration Panel	Model			PT-QAGW0	PT-QAGW0	PT-QAGW0
	Color			Morning Fog (9001)	Morning Fog (9001)	White (9003)
	Dimensions	W x H x D	mm	620 x 34 x 620	620 x 34 x 620	620 x 35 x 620
	Weight		kg	3	3	2.9
ACCESSORIES & OTHERS				MT06R.NR0	MT08R.NR0	CT09F.NR0
Commercial Single Split Compatible				-	-	Y
Dual Vane Cassette Panel				-	-	-
Air Purification Kit				-	-	-
Dry Contact				Y	Y	Y
Wireless or Wired Remote Controller				Y	Y	Y
ThinQ (Wi-Fi)				Y	Y	Y

INDOOR				CT12F.NR0	CT18F.NQ0	CT24F.NB0
Capacity	Cooling / Heating	Nom.	kW	3.5 / 3.9	5.3 / 5.8	6.7 / 7.5
Power Input		Nom.	W	24	26	26
Running Current		Nom.	A	0.40	0.40	0.60
Power Supply		∅ / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	9.5 / 8.0 / 7.0	13.0 / 12.0 / 11.0	17.0 / 15.0 / 13.0
Sound Pressure*	Cooling	H / M / L	dB(A)	38 / 35 / 32	41 / 39 / 39	38 / 36 / 34
Sound Power	Cooling	Max.	dB(A)	52	57	53
Dehumidification Rate			l/h	1.4	2.0	2.7
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
Net Weight	Body		kg	12.4	13.9	21.1
Piping Connection	Liquid		mm (inch)	∅6.35 (1/4)	∅6.35 (1/4)	∅6.35 (1/4)
	Gas		mm (inch)	∅9.52 (3/8)	∅12.7 (1/2)	∅12.7 (1/2)
Decoration Panel	Model			PT-QAGW0	PT-QAGW0	PT-AAGW0
	Color			White (9003)	White (9003)	White (9003)
	Dimensions	W x H x D	mm	620 x 35 x 620	620 x 35 x 620	950 x 35 x 950
	Weight		kg	2.9	2.9	7.1
ACCESSORIES & OTHERS				CT12F.NR0	CT18F.NQ0	CT24F.NB0
Commercial Single Split Compatible				Y	Y	Y
Dual Vane Cassette Panel				-	-	Y
Air Purification Kit				-	-	Y
Dry Contact				Y	Y	Y
Wireless or Wired Remote Controller				Y	Y	Y
ThinQ (Wi-Fi)				Y	Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.
 ※ Dual vane is applied to 24k
 ※ This product contains Fluorinated greenhouse gases (R32).
 ※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.
 ※ Y : Available or Applied / - : Not Available or Not Applied

Compact Size of Indoor Unit

Slim & Compact design of low-static ducts being easy to carry, it makes it an ideal solution for installation in a limited space, saving labor cost for installation and maintenance.



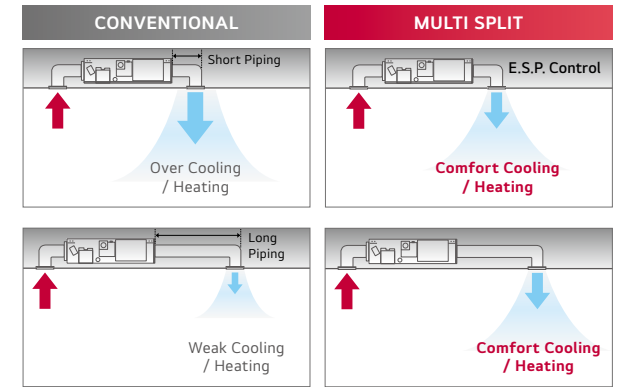
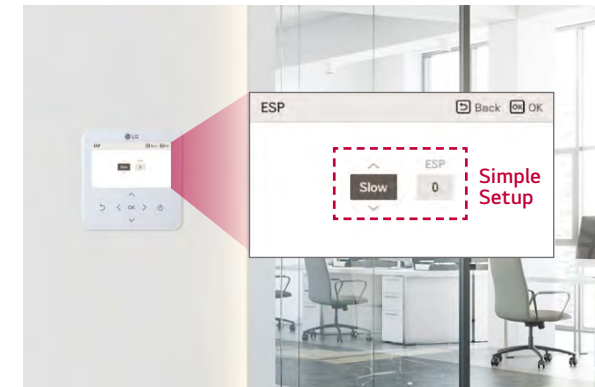
COOLING CAPA. (kW)	BODY (W x H x D, mm)	WEIGHT (kg)
2.5	900 x 190 x 460	18.0
3.5	900 x 190 x 460	18.0
5.0	1,100 x 190 x 460	20.9
7.0	1,100 x 190 x 700	26.0

* Based on low pressure duct

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

E.S.P. control function enables to control air volume easily with a remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure.

Set RPM by simple touch on remote control to change the airflow.

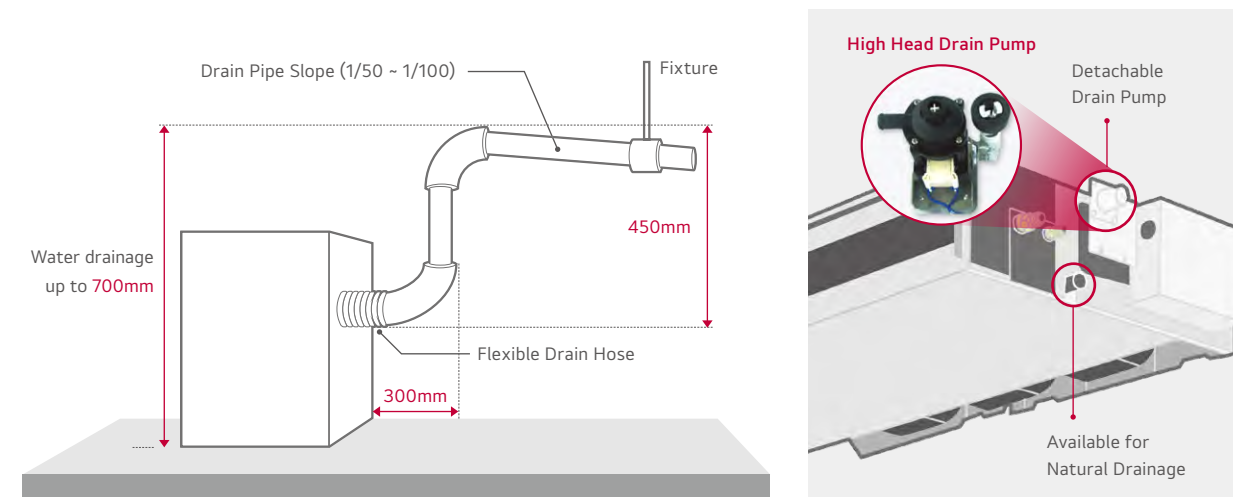


※ ESP Setting guide (Wired Remote Controller) :
 - Standard III (PREMTB101/B11) : Menu → Setting → Installer → ESP setting
 - Standard II (PREMTB001/B01) : Button click → 03 : XX → ESP setting

※ Wired remote controller is necessary.

High Head Drain Pump

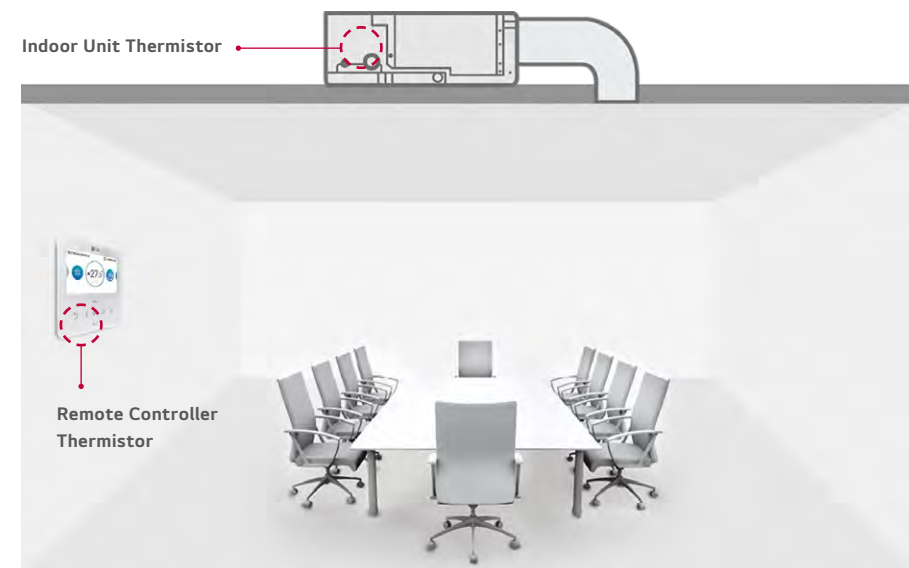
High head drain pump automatically drains water up to 700mm of drain-head height. It provides a perfect solution for water drainage.



※ Mid-static duct: Accessory (ABDPG) / Low-static duct: Included

Two Thermistors Control

The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. Two thermistors check indoor air temperature and select the optimal temperature for a more comfortable environment.



Compares temperatures sensed from different positions, and automatically selects the optimum temperature for users.



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

kBtu/h	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Mid / High Static Pressure						◎◎ CM18F.N10	◎◎ CM24F.N10

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

Duct (Mid Static)

INDOOR				CM18F.N10	CM24F.N10
Capacity	Cooling / Heating	Nom.	kW	5.3 / 5.8	7.0 / 7.7
Power Input		H / M / L	W	150 / 130 / 110	180 / 150 / 130
Running Current		H / M / L	A	0.85 / 0.76 / 0.67	0.98 / 0.85 / 0.76
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5
Sound Pressure*		H / M / L	dB(A)	34 / 32 / 30	35 / 34 / 32
Sound Power Level		Rated	dB(A)	59	60
Dehumidification Rate			l/h	1.5	2.5
Dimensions		W x H x D	mm	900 x 270 x 700	900 x 270 x 700
Net Weight			kg	24.6	24.6
Piping Connections	Liquid Side		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
External static pressure	Min. - Max.		Pa (mmAq)	58.8 (6)	58.8 (6)
ACCESSORIES & OTHERS				CM18F.N10	CM24F.N10
Commercial Single Split Compatible				Y	Y
Dual Vane Cassette Panel				-	-
Air Purification Kit (UVnano Filter Box)				Y	Y
Dry Contact				Y	Y
Wireless or Wired Remote Controller				Y	Y
ThinQ (Wi-Fi)				Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.
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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Low Static Pressure	-	-	○○ CL09F.N50	○○ CL12F.N50	-	○○ CL18F.N60	-

● Multi Only ○● Compatible with Residential Single Split ○○○ Compatible with Commercial Single Split

Duct (Low Static)

INDOOR				CL09F.N50	CL12F.N50	CL18F.N60
Capacity	Cooling / Heating	Nom.	kW	2.5 / 3.2	3.4 / 4.0	5.0 / 5.8
Power Input	H / M / L	W		21 / 15 / 13	21 / 15 / 13	100 / 90 / 80
Running Current	H / M / L	A		0.21 / 0.16 / 0.14	0.21 / 0.16 / 0.14	0.43 / 0.39 / 0.34
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	H / M / L	m ³ /min		11.5 / 9.5 / 8.0	11.5 / 9.5 / 8.0	15.0 / 12.0 / 10.0
Sound Pressure*	H / M / L	dB(A)		35 / 30 / 27	35 / 30 / 27	34 / 31 / 29
Sound Power Level	Rated	dB(A)		55	55	56
Dehumidification Rate		l/h		0.5	0.9	1.7
Dimensions	W x H x D	mm		900 x 190 x 460	900 x 190 x 460	1,100 x 190 x 460
Net Weight		kg		18.0	18.0	20.9
Piping Connections	Liquid Side	mm (inch)		Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)		Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
External static pressure	Min. - Max.	Pa (mmAq)		0 - 5 (0 - 50)	0 - 5 (0 - 50)	0 - 5 (0 - 50)
ACCESSORIES & OTHERS				CL09F.N50	CL12F.N50	CL18F.N60
Commercial Single Split Compatible				Y	Y	Y
Dual Vane Cassette Panel				-	-	-
Air Purification Kit (UVnano Filter Box)				Y	Y	Y
Dry Contact				Y	Y	Y
Wireless or Wired Remote Controller				Y	Y	Y
ThinQ (Wi-Fi)				Y	Y	Y

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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Low Static Pressure	-	-	-	-	-	-	○○ CL24F.N30

● Multi Only ○● Compatible with Residential Single Split ○○○ Compatible with Commercial Single Split

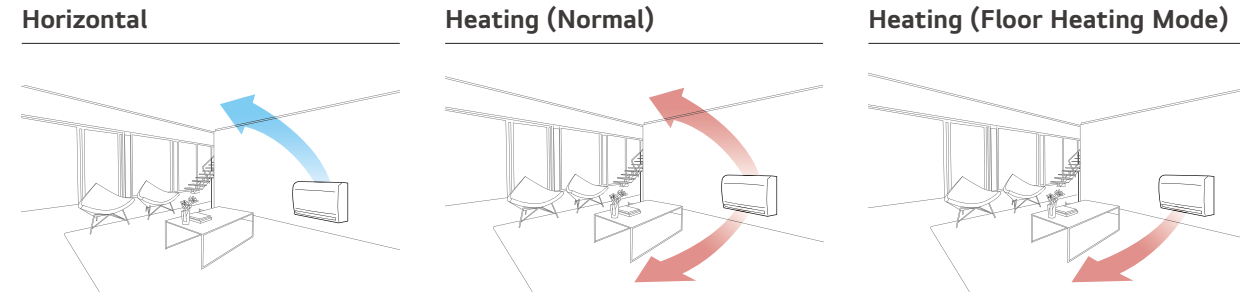
Duct (Low Static)

INDOOR				CL24F.N30
Capacity	Cooling / Heating	Nom.	kW	6.8 / 7.5
Power Input	H / M / L	W		150 / 130 / 110
Running Current	H / M / L	A		0.65 / 0.56 / 0.47
Power Supply		Ø / V / Hz		1 / 220-240 / 50
Air Flow Rate	H / M / L	m ³ /min		20.0 / 16.0 / 12.0
Sound Pressure*	H / M / L	dB(A)		39 / 35 / 32
Sound Power Level	Rated	dB(A)		58
Dehumidification Rate		l/h		2.5
Dimensions	W x H x D	mm		1,100 x 190 x 700
Net Weight		kg		26.0
Piping Connections	Liquid Side	mm (inch)		Ø9.52 (3/8)
	Gas Side	mm (inch)		Ø15.88 (5/8)
External static pressure	Min. - Max.	Pa (mmAq)		0 - 5 (0 - 50)
ACCESSORIES & OTHERS				CL24F.N30
Commercial Single Split Compatible				Y
Dual Vane Cassette Panel				-
Air Purification Kit (UVnano Filter Box)				Y
Dry Contact				Y
Wireless or Wired Remote Controller				Y
ThinQ (Wi-Fi)				Y

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Optimized Air Flow for Cooling & Heating

During cooling operation, the vane adjusts upwards to direct air flow toward the ceiling. During heating operation, the vane directs the air flow toward the floor to balance out the room temperature. A wireless controller is included with the indoor console unit.



Quick Floor Heating

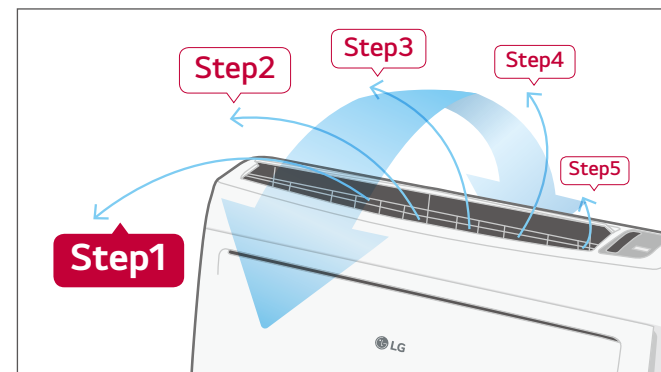
Console air conditioners offer a fast and powerful performance. Using the floor heating mode, console air conditioners provide faster floor heating and help to reach the desired temperature quickly.

		Company A	Electric Heater	LG	LG Floor Heating Mode
	Vertical				
	Horizontal				
Lead Time for Heating (13°C ~ 21°C)		12 minutes 30 seconds	50 minutes	9 minutes 30 seconds	8 minutes 40 seconds

※ Test Condition : Target Temp 23°C, Indoor Room : 13°C-, Outdoor Room : 7°C

5-Step Vane Control

There are 5 different stages to control air flow direction.



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CAPACITY (kW)	2.6	3.5	5.3
Console	UQ09F.NA0	UQ12F.NA0	UQ18F.NA0

Console R32, R410A

INDOOR				UQ09F.NA0	UQ12F.NA0	UQ18F.NA0
Capacity	Cooling / Heating	Nom.	kW	2.6 / 3.1	3.5 / 4.0	5.0 / 4.9
Power Input		Nom.	W	30	30	39
Running Current		Nom.	A	0.5	0.5	0.5
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m ³ /min	8.5 / 6.7 / 5.0	9.0 / 6.9 / 5.2	10.1 / 8.6 / 7.2
Sound Pressure*	Cooling	H / M / L	dB(A)	38 / 32 / 27	38 / 32 / 27	44 / 39 / 35
Sound Power	Cooling	Max.	dB(A)	59	59	60
Dimensions	Body	W x H x D	mm	700 x 600 x 210	700 x 600 x 210	700 x 600 x 210
Net Weight	Body		kg	16.3	16.3	16.3
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
ACCESSORIES & OTHERS				UQ09F.NA0	UQ12F.NA0	UQ18F.NA0
Commercial Single Split Compatible				Y	Y	Y
Dual Vane Cassette Panel				-	-	-
Air Purification Kit (UVnano Filter Box)				-	-	-
Dry Contact				Y	Y	Y
Wireless or Wired Remote Controller				Y	Y	Y
ThinQ (Wi-Fi)				Y	Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.
 ※ This product contains fluorinated greenhouse gases. (R32/R410A)
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