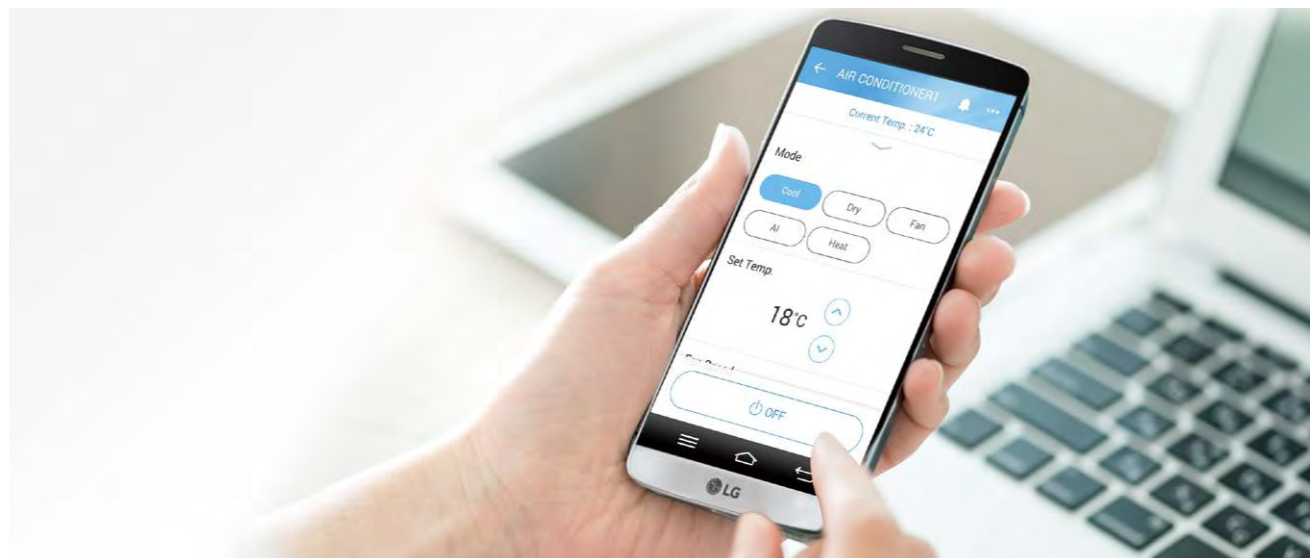





2017 / 2018
RESIDENTIAL
AIR CONDITIONERS

Embedded Wi-Fi

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



LG Smart ThinQ

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

How it Works

Embedded Wi-Fi modem

Check "LG Smart ThinQ" on your air conditioner.

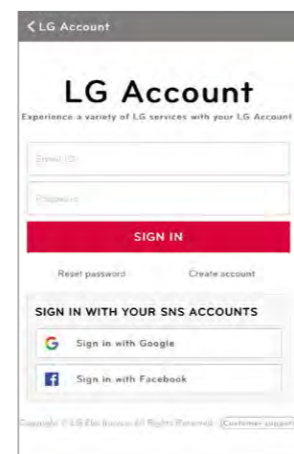


By embedded Wi-Fi modem, get ready for innovation without boundaries.



Easy Registration and Log-in

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



Wi-Fi Connectivity

Let's every member of your family choose their own preferred air conditioning temperature and fan speed, then save the settings in their app to run later. You can save the setting for each air conditioner as well.

Multiple Devices

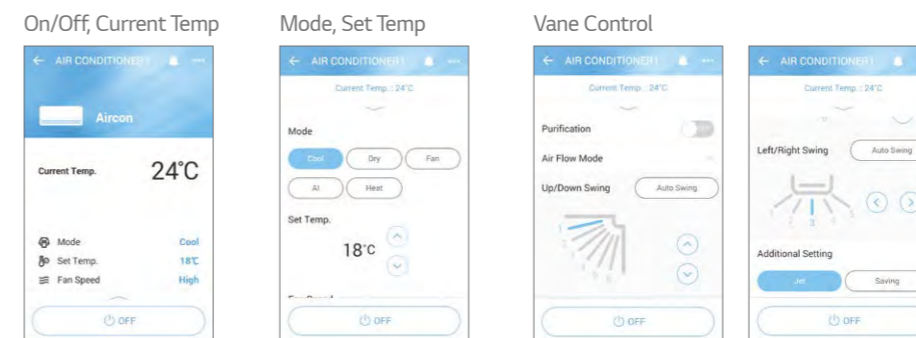


Multi-Control



Benefit

Simple operation for various functions



Straight forward Management



Integrated Home Appliances Control

Control / Monitor all your LG appliances from one place.



Access your air conditioner anytime and from anywhere

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



Smart Diagnosis

Smart Diagnosis allows you to check setup, installation, troubleshooting and other information conveniently from your smartphone.



* Specifications may vary for each model.
* When connected to Multi ODU, Smart Diagnosis function may not be supported.

What is the Smart Diagnosis?

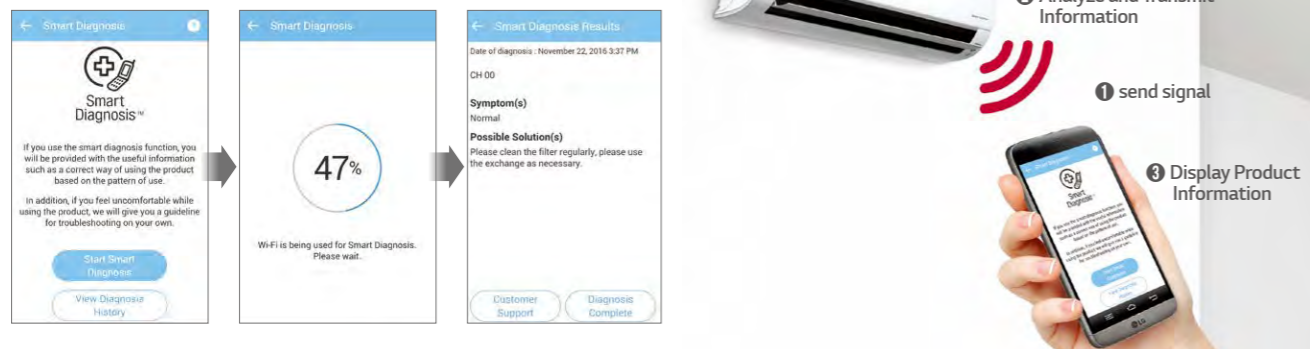
Smart Diagnosis allows users to conveniently check setup, installation, troubleshooting and other information directly from a smartphone.

- * Builds upon widespread smartphone use and offers greater USP diversification
- * Perfect for consumers who are unable to view information about their air conditioner via a display or remote control.

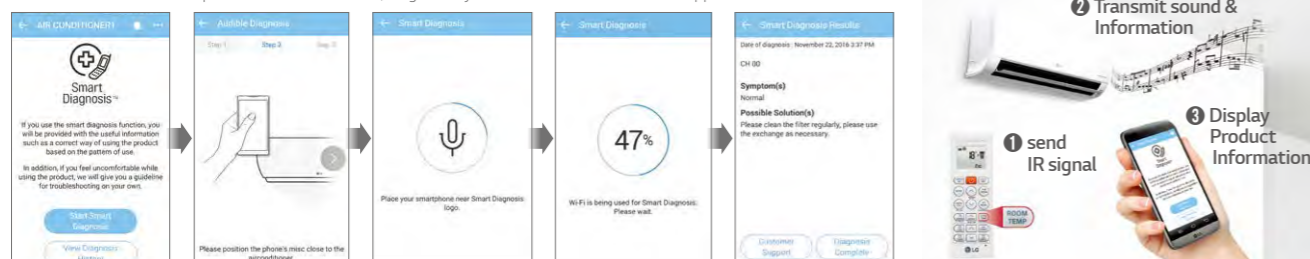
How it works

Smart Diagnosis allows users to conveniently check setup, installation, troubleshooting and other information directly from a smartphone.

By using "LG Smart ThinQ" App and clicking "Start Smart Diagnosis", monitor and check diagnosis results conveniently via Wi-Fi.



* When the model doesn't provide embedded Wi-Fi, diagnose by buzzer sound with the same app and remote controller.



Plasmaster™ Ionizer^{PLUS}

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

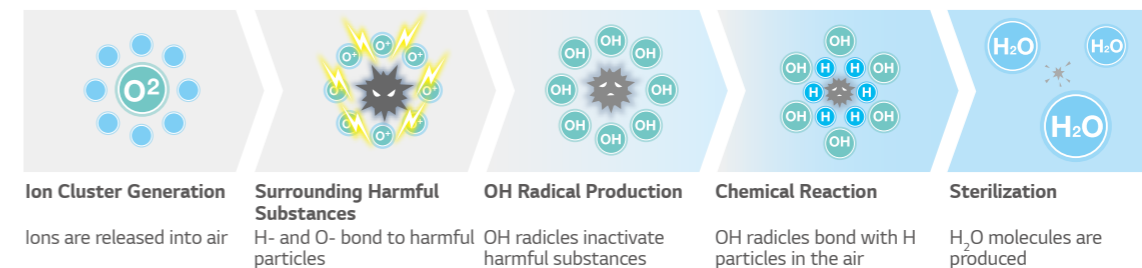


* Specifications may vary for each model.
* Depending on the experimental conditions.

How it works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

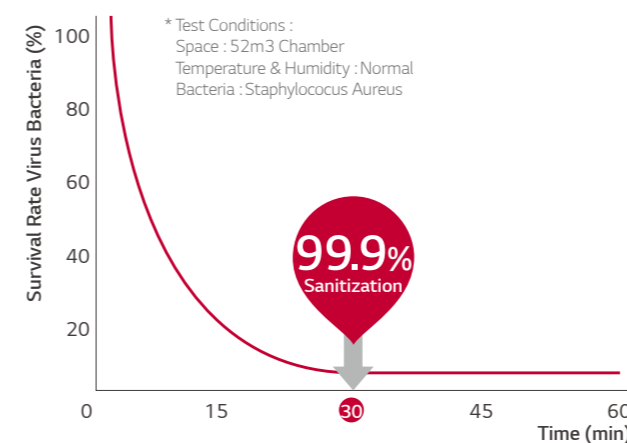
Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over 3 millions ions.



Test Result

Sterilization Performance Evaluations

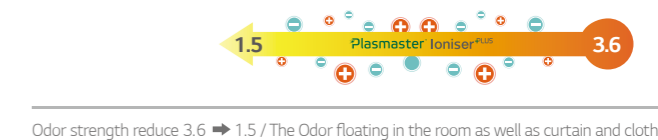
Sterilize Bacteria (E.coli colon bacillus) over 99.9% in 30 min.



2.1 odor strength decrease in 60 minutes

An odor of strength 2 or less indicates that there is odor but no sense of displeasure (degree of odor permissible).

Odor Strength	1	2	3	4
Offensive odor substance sensitivity	Mountain smell	Indoor life smell	Bathroom smell	Food waste smell
Odor strength level	Light	Moderate	Strong	Very Strong





MiCRO Dust Filter

Powered by 3M Tech

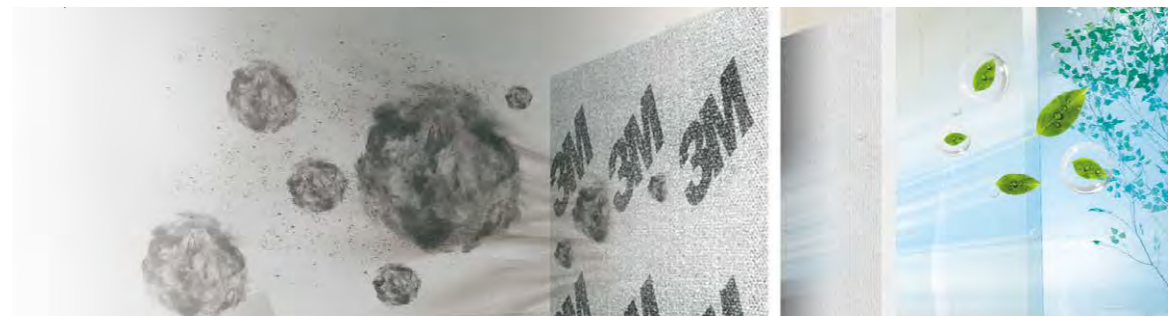
The Micro-Dust Filter, a high-airflow, low-noise filter, employs a strong electrostatic charge on its surface to attract and trap harmful microscopic substances including pollen and fine dust, which are known to cause respiratory diseases.



* Specifications may vary for each model.

What is the MiCRO Dust Filter?

The Micro Dust Filter captures and eliminates harmful micro-particles, including bacteria and dust, in order to deliver fresh, clean air.



Benefit

Eliminates Allergens and Disease-Causing Particles

Cleans and makes air fresh by removing microscopic particles as small as 0.3µm in size.



10-Year Inverter Compressor Warranty

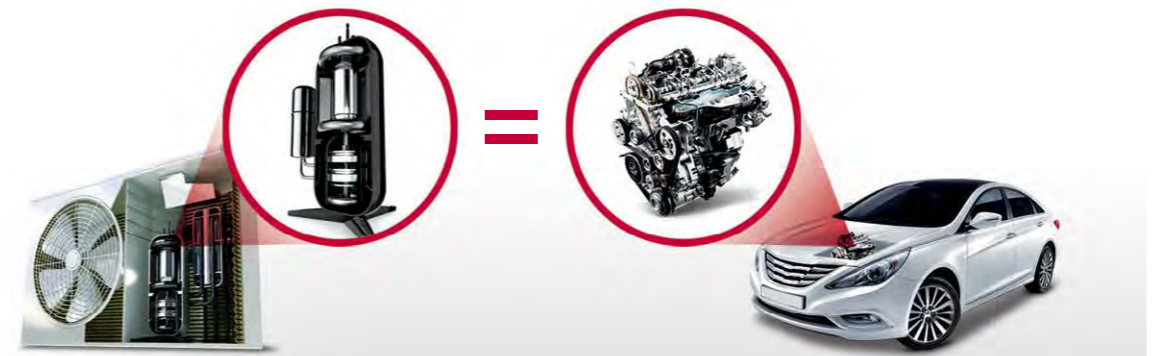
LG, with confidence in product quality, preserves is better lives for customers by providing 10 years warranty for Inverter Compressor of Air conditioners.



* Specifications may vary for each model.

What is the 10 Year Warranty?

The compressors is for the Air Conditioner what the engine is to the vehicle. With the 10year warranty on the compressor, users can enjoy the benefits of LG air conditioner for a longer period on time.



Benefit & Verification

Reliable Air Conditioner

Product safety is emphasized by offering a 10-year warranty on the compressor to reassure customers about product durability.



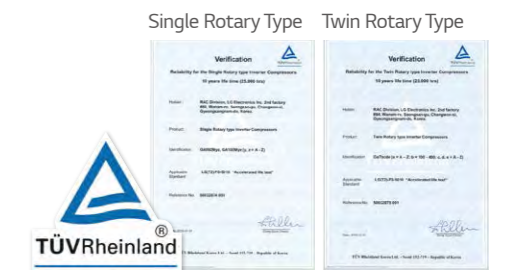
Certification

TUV Rheinland, Long Term Accelerated-reliability Test & High Marginal Test

* Long Term Accelerated-Reliability test
 LG's unique testing method with reinforced operating condition for a product life assurance to test and determine the product life cycle in a short period of time by accelerating the life cycle.

* High Marginal Test
 Test method to secure durability in various adverse conditions that may occur in the field by performing comp reliability test against higher pressure and temperature than the designed range of pressure and temperature which the comp operates in.

* Verification obtained from TUV Rheinland for 10-year product life cycle



Low Noise

LG Air Conditioners operate at 19dB low noise level, moreover provide healthy soft air by just 1 touch.



* Specifications may vary for each model.

How It Works

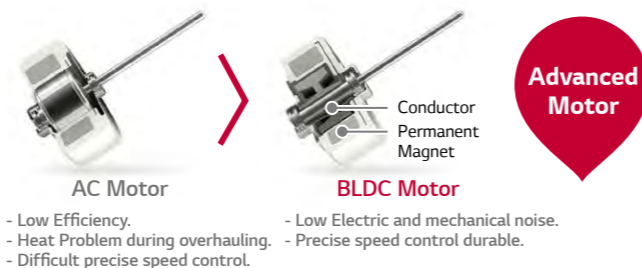
LG's Unique Skew Fan

By minimizing the surface pressure of the fan blade when in contact with the air peak noise are reduced to a level that is among the lowest in the world.



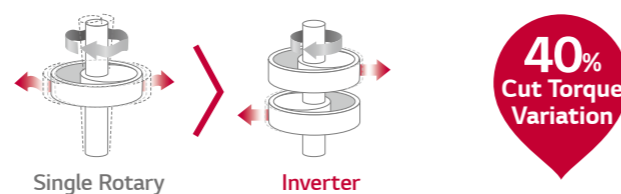
BLDC Fan Motor

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.

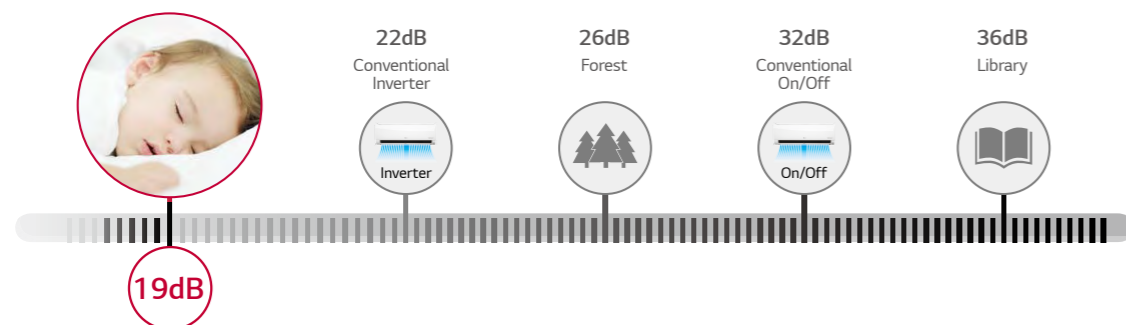


ALVC (Active Low Vibration Control)

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.



Benefit



SPECIFICATION

PRESTIGE PLUS

9k
F09MK
12k
F12MK



Indoor Unit	9K		12K	
	F09MK.NSM		F12MK.NSM	
Cooling Capacity (Min/Rated/Max)	W	300 / 2500 / 4000	300 / 3500 / 4250	300 / 4000 / 7320
	(Min/Rated/Max)	W	300 / 3200 / 6900	300 / 4000 / 7320
Heating Capacity	Heating 0°C (Rated)	W	4820	5250
	Heating -7°C (Rated)	W	4820	5250
	Heating -15°C (Rated)	W	4730	5100
	Heating -20°C (Rated)	W	4000	4620
	Heating -25°C (Rated)	W	3380	3880
Power Input (Cooling / Heating +7°C)	W	500 / 593	833 / 785	
EER	W/W	5.1	4.2	
S.E.E.R.		9.4	9.1	
P design C	Kw	2.5	3.5	
COP	W/W	5.4	5.1	
S.C.O.P.		5.2	5.1	
P design H	Kw	3.2	3.8	
Energy Label (Cooling/Heating)		A+++ / A+++	A+++ / A+++	
Sound Pressure (Cooling)	Sleep	dBA	19	19
	Low	dBA	29	29
	Medium	dBA	37	37
Sound Pressure (Heating)	High	dBA	42	42
	Low	dBA	29	29
	Medium	dBA	37	37
Sound Power (Cooling, High)	dBA	42	42	
Running Current (Cooling) (Rated/Max)	A	2.3 / 5.6	3.9 / 6.0	
Running Current (Heating) (Rated/Max)	A	2.9 / 7.0	3.7 / 7.4	
Starting Current (Cooling/Heating) (Rated)	A	2.3 / 2.9	3.9 / 3.7	
Power Supply	Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker	A	15	15	
Power Supply Cable	N x mm ²	3*1.0	3*1.0	
Power & Transmission Cable	N x mm ²	4*1.0 (Including Earth)	4*1.0 (Including Earth)	
Dimension	mm	875*295*235	875*295*235	
Net Weight	kg	11.5	11.5	
Fan Motor Output	W	30	30	
Outdoor Unit		F09MK.U24A	F12MK.U24A	
Operation Range (Cooling, Min-Max)	°CDB	-10~48	-10~48	
Operation Range (Heating, Min-Max)	°CWB	-25~24	-25~24	
Sound Pressure (Cooling/Heating) (High)	dBA	48 / 50	48 / 50	
Sound Power (Cooling, High)	dBA	65	65	
Air Flow Rate (High)	m ³ /min	49	49	
Piping	Length (Odu/Idu)	Min	3	3
		Max	20	20
	Elevation (Odu/Idu)	m	10	10
Piping Connection	Liquid OD (Outside)	mm / (inch)	6.35 / (1/4)	6.35 / (1/4)
	Gas OD (Outside)	mm / (inch)	9.52 / (3/8)	9.52 / (3/8)
	Drain OD (Outside)	mm / (inch)	21.5 / 0.85	21.5 / 0.85
Refrigerant	Type		R410A	R410A
	Charge at 7.5m	g	1,150	1,150
Additional charge	g/m	20	20	
Fan Motor Output	W	85	85	
Compressor Type		Twin Rotary	Twin Rotary	
Net Weight	kg	42.5	42.5	
Dimension	mm	870*650*330	870*650*330	
Functions				
Temperature Control		0	0	
Prefilter (washable/anti-fungus)		0	0	
Ionizer (Plasmaster Ionizer Plus or Plasmaster Ionizer)		0	0	
3M Filter (Multi Protection Filter or Micro Dust Filter)		0	0	
Auto Clean		0	0	
CHAOS Wind (Auto Wind)		0	0	
Steps, Fan/Cool/Heat		5/6/6	5/6/6	
Airflow Direction Control (up& Down)		0	0	
Airflow Direction Control (left & right)		0	0	
Remote Controller Type		Better	Better	
Setting Temperature Range (Cooling/Heating)		18-30 / 16-30	18-30 / 16-30	
Self Diagnosis		0	0	
Timer		0	0	
Sleep Operation		0	0	
Soft Dry Operation		0	0	
Restart Delay (minute)		3min	3min	
Deice Control (Defrost)		0	0	
Hot Start		0	0	
Jet Cool		0	0	
Low Ambient Operation		0	0	
LG Smart AC (Wi-Fi App.)		Embedded	Embedded	
Dry Contact		0	0	
Wired Remote Controller		0	0	
Low Heating MODE		0	0	

SPECIFICATION

PRESTIGE

9k
P09MK
12k
P12MK

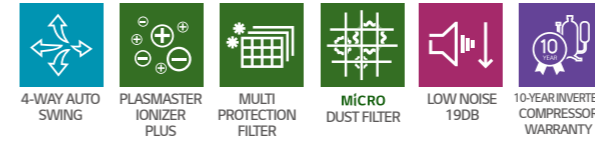


Indoor Unit		9K		12K		
		P09MK.NSM		P12MK.MSM		
Cooling Capacity (Min/Rated/Max)	W	300 / 2500 / 3800		300 / 3500 / 4040		
	(Min/Rated/Max)	300 / 3200 / 6600		300 / 4000 / 7000		
Heating Capacity	Heating 0°C (Rated)	4700		5000		
	Heating -7°C (Rated)	4700		5000		
	Heating -15°C (Rated)	4500		4900		
	Heating -20°C (Rated)	3800		4400		
	Heating -25°C (Rated)	3200		3700		
Power Input (Cooling/Heating +7°C)	W	476 / 610		795 / 769		
EER	W/W	5.25		4.40		
S.E.E.R.		9.0		8.6		
P design C	Kw	2.5		3.5		
COP	W/W	5.25		5.20		
S.C.O.P.		4.8		4.8		
P design H	Kw	3.2		4.0		
Energy Label (Cooling/Heating)		A+++ / A++		A+++ / A++		
Sound Pressure (Cooling)	Sleep	dBa	19		19	
	Low	dBa	29		29	
	Medium	dBa	37		37	
	High	dBa	42		42	
Sound Pressure (Heating)	Low	dBa	29		29	
	Medium	dBa	37		37	
	High	dBa	42		42	
Sound Power (Cooling, High)	dBa	60		60		
Running Current (Cooling) (Rated/Max)	A	2.3 / 6.0		3.5 / 6.0		
Running Current (Heating) (Rated/Max)	A	2.9 / 7.0		3.8 / 7.0		
Starting Current (Cooling/Heating) (Rated)	A	2.3 / 2.9		3.5 / 3.8		
Power Supply	Ø / V / Hz	1 / 220-240 / 50		1 / 220-240 / 50		
Circuit Breaker	A	15		15		
Power Supply Cable	N x mm ²	3*1.0		3*1.0		
Power & Transmission Cable	N x mm ²	4*1.0 (Including Earth)		4*1.0 (Including Earth)		
Dimension	mm	875*295*235		875*295*235		
Net Weight	kg	11.5		11.5		
Fan Motor Output	W	30		30		
Outdoor Unit		P09MK.UL2		P12MK.UL2		
Operation Range (Cooling, Min-Max)	°CDB	-10-48		-10-48		
Operation Range (Heating, Min-Max)	°CWB	-25-24		-25-24		
Sound Pressure (Cooling/Heating) (High)	dBa	48 / 48		48 / 48		
Sound Power (Cooling, High)	dBa	65		65		
Air Flow Rate (High)	m ³ /min	33		33		
Piping	Length (Odu/Idu)	Min	3		3	
		Max	20		20	
	Elevation (Odu/Idu)	Max	10		10	
Piping Connection	Liquid OD (Outside)	mm / (inch)	6.35 / (1/4)		6.35 / (1/4)	
	Gas OD (Outside)	mm / (inch)	9.52 / (3/8)		9.52 / (3/8)	
	Drain OD (Outside)	mm / (inch)	21.5 / 0.85		21.5 / 0.85	
Refrigerant	Type		R410A		R410A	
	Charge at 7.5m	g	1,150		1,150	
	Additional charge	g/m	20		20	
Fan Motor Output	W	45		45		
Compressor Type		Twin Rotary		Twin Rotary		
Net Weight	kg	35		35		
Dimension	mm	770*545*288		770*545*288		
Functions						
Temperature Control		0		0		
Prefilter (washable/anti-fungus)		0		0		
Ionizer (Plasmaster Ionizer Plus or Plasmaster Ionizer)		0		0		
3M Filter (Multi Protection Filter or Micro Dust Filter)		0		0		
Auto Clean		0		0		
Auto Swing		0		0		
Steps, Fan/Cool/Heat		5/6/6		5/6/6		
Airflow Direction Control (up& Down)		0		0		
Airflow Direction Control (left & right)		0		0		
Remote Controller Type		Better		Better		
Setting Temperature Range (Cooling/Heating)		18-30 / 16-30		18-30 / 16-30		
Self Diagnosis		0		0		
Timer		0		0		
Sleep Operation		0		0		
Soft Dry Operation		0		0		
Restart Delay (minute)		3min		3min		
Deice Control (Defrost)		0		0		
Hot Start		0		0		
Jet Cool		0		0		
Low Ambient Operation		0		0		
LG Smart AC (Wi-Fi App.)		Wi-Fi Ready		Wi-Fi Ready		
Dry Contact		0		0		
Wired Remote Controller		0		0		
Low Heating MODE		0		0		

SPECIFICATION

LIBERO PLUS

9k
D09NAK
12k
D12NAK



Model Indoor Unit		9K		12K		
		ASNW096BNR6		ASNW126BNR6		
Cooling Capacity (Min/Rated/Max)	W	890 / 2500 / 3700		890 / 3500 / 4040		
Heating Capacity (+7°C, Min/Rated/Max)	W	890 / 3200 / 5000		890 / 4000 / 6000		
Heating Capacity (-7°C, Rated)	W	3300		3900		
Power Input (Cooling/Heating)	W	595 / 750		1000 / 1000		
EER	W/W	4.2		3.5		
S.E.E.R.		6.6		6.5		
P design C	kW	2.5		3.5		
COP	W/W	4.26		4.0		
S.C.O.P.		4.1		4.0		
P design H	kW	2.8		3.6		
Energy Label (Cooling/Heating)		A++ / A+		A++ / A+		
Sound Pressure (Cooling)	Sleep	dBa	19		19	
	Low	dBa	25		25	
	Medium	dBa	35		35	
	High	dBa	40		41	
Sound Pressure (Heating)	Low	dBa	25		25	
	Medium	dBa	35		35	
	High	dBa	40		41	
Sound Power (Cooling, High)	dBa	57		57		
Running Current (Cooling) (Rated/Max)	A	2.6 / 6.0		4.4 / 6.0		
Running Current (Heating) (Rated/Max)	A	3.2 / 8.0		4.6 / 8.0		
Starting Current (Cooling/Heating) (Rated)	A	2.6 / 3.2		4.4 / 4.6		
Power Supply	Ø / V / Hz	1 / 220-240 / 50		1 / 220-240 / 50		
Circuit Breaker	A	15		15		
Power Supply Cable	N x mm ²	3*1.0		3*1.0		
Power & Transmission Cable	N x mm ²	4*1.0 (Including Earth)		4*1.0 (Including Earth)		
Dimension	mm	885*285*210		885*285*210		
Net Weight	kg	10		10		
Fan Motor Output	W	20		20		
Model Outdoor Unit		ASUW096BUS6		ASUW126BUS6		
Operation Range (Cooling, Min-Max)	°CDB	-10-48		-10-48		
Operation Range (Heating, Min-Max)	°CWB	-20-24		-20-24		
Sound Pressure (Cooling/Heating) (High)	dBa	45 / 45		45 / 45		
Sound Power (Cooling, High)	dBa	65		65		
Air Flow Rate (High)	m ³ /min	33		33		
Piping	Length (Odu/Idu)	Min	2		2	
		Max	20		20	
	Elevation (Odu/Idu)	Max	10		10	
Piping Connection	Liquid OD (Outside)	mm / (inch)	6.35 / (1/4)		6.35 / (1/4)	
	Gas OD (Outside)	mm / (inch)	9.52 / (3/8)		9.52 / (3/8)	
	Drain OD (Outside)	mm / (inch)	21.5 / 0.85		21.5 / 0.85	
Refrigerant	Type		R410A		R410A	
	Charge at 7.5m	g	1,050		1,050	
	Additional charge	g/m	20		20	
Fan Motor Output	W	43		43		
Compressor Type		Twin Rotary		Twin Rotary		
Net Weight	kg	32.3		32.3		
Dimension	mm	770*545*288		770*545*288		
Functions						
Temperature Control		0		0		
Prefilter (washable/anti-fungus)		0		0		
Ionizer (Plasmaster Ionizer Plus or Plasmaster Ionizer)		0		0		
3M Filter (Multi Protection Filter or Micro Dust Filter)		0		0		
Auto Clean		0		0		
Auto Swing		0		0		
Steps, Fan/Cool/Heat		5/6/6		5/6/6		
Airflow Direction Control (up& Down)		0		0		
Airflow Direction Control (left & right)		0		0		
Remote Controller Type		Best		Best		
Setting Temperature Range (Cooling/Heating)		18-30 / 16-30		18-30 / 16-30		
Self Diagnosis		0		0		
Timer		0		0		
Sleep Operation		0		0		
Soft Dry Operation		0		0		
Restart Delay (minute)		3min		3min		
Deice Control (Defrost)		0		0		
Hot Start		0		0		
Jet Cool		0		0		
Low Ambient Operation		0		0		
LG Smart AC (Wi-Fi App.)		Wi-Fi Ready		Wi-Fi Ready		
Dry Contact		0		0		
Wired Remote Controller		0		0		
Low Heating MODE		0		0		



www.lgeaircon.com

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