

Prestige Smart Inverter

Supreme Energy Efficiency

With world class energy efficiency, enjoy comfortable surroundings whilst saving energy.

Active Energy Control

Active Energy Control allows the user to adjust the energy levels to improve cooling efficiency and reduce power consumption.

Complete Silence 17dB

LG's unique technology of skew fan and BLDC motor eliminates unnecessary noise and allows smooth operation at the lowest sound level.

Wi-Fi Ready

Control your air conditioners with the smart internet devices via smartphones using a simple Android or iOS.

Plasmaster Ionizer Plus

The powerful plasma ionizer protects you from odors and harmful substances in the air with over 3 million ions to sterilise the air passing through the air conditioner.



1 LG's Revolutionary Inverter Technology

LG's revolutionary Inverter technology boasts powerful yet quiet performance while minimising energy consumption. With world class energy efficiency, enjoy comfortable surroundings whilst saving energy.



- Improved energy efficiency by 3 Column Hybrid Heat Exchanger and High-groove Tube.
- Improved Skew Fan by enlarging the fan size 25%, airflow is increased.
- High Efficient Compressor and Reversing Valve.
- Optimized the time of current flow by controlling the number of converter switching according to energy consumption status.

2 SEER 9.2 / SCOP 5.3



1 Energy Control Button

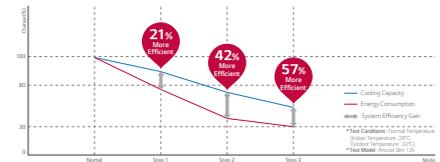
Normal Mode
100% cooling using 100% energy.



- 1 Clicks** Step 1. 80% energy usage
- 2 Clicks** Step 2. 60% energy usage
- 3 Clicks** Step 3. 40% energy usage

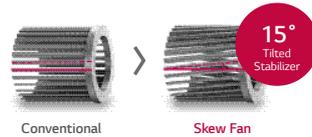
2 Benefit

Cooling a home can come at a high cost particularly during the hot summer months. Avoid those costs and save energy by taking advantage of LG's 4-Step Energy Control System.



1 LG's Unique Skew Fan

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



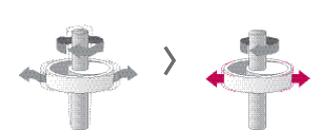
2 BLDC Fan Motor

The BLDC motor provides substantial air volume and high static pressure, while keeping electrical and mechanical noise lower, and making high-speed operation available.



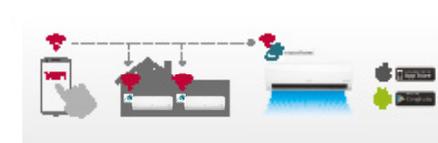
3 ALVC (Active Low Vibration Control)

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.



1 Control the Air Conditioner

Easy access to your air conditioner with LG Wi-Fi Ready function.



*Need to have a internet connection and register user account to IntesisHome via App.

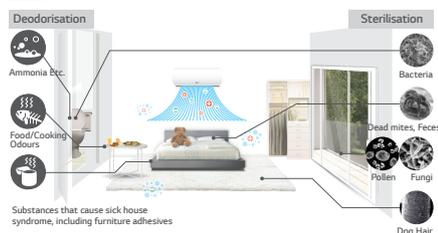
2 Benefit



Wi-fi Ready Function

- On/Off
- Setpoint temperature
- Mode
- Vane control
- Fan speed

1 Pain Point



2 Test Result

Sterilise Bacteria (E.coli colon bacillus) over 99.9% in 30 min.
Sterilise Bacteria (Staphylococcus Aureus) over 99.6% in 60 min.
2.1 Odour strength decrease in 60 minutes.

Certificates	Institute	Odor Strength	1	2	3	4
Antibacterial Function of Plasmaster Ioniser Plus / Plasmaster Ioniser	Intertek	Offensive odor substance	Small	Small	Small	Small
Deodorisation function of Plasmaster Ioniser Plus / Plasmaster Ioniser		Odor strength	Light	Moderate	Strong	Very Strong
Ionizer Sterilisation Test Report						

LG ionizer tech has been proven to sterilise by the real ionizer.

Prestige Smart Inverter

9K
H09AL
12K
H12AL



- Active Energy Control
- 4 Way Swing
- Jet Cool
- Fast Heating
- Plasmaster^{PLUS} Ionizer
- Dual Protection Filter
- Plasmaster Auto Cleaning
- Low Noise 17dB
- Silence Mode 3dB
- Quick & Easy Installation
- Wi-Fi Ready

Optional

Unit				9K	12K
Model Indoor Unit				H09AL.NSM	H012AL.NSM
Capacity	Cooling	Min/Rated/Max	W	300/2500/3800	300/3500/4040
	Heating	Min/Rated/Max	W	300/3200/6600	300/4000/6800
	Heating -7°C	Rated	W	4300	4600
Power Input	Cooling	Rated	W	490	830
	Heating +7°C	Rated	W	570	770
			W/W	5.10	4.22
EER					
S.E.E.R.					
P design C			kW	2.5	3.5
COP			W/W	5.61	5.19
S.C.O.P.				5.3	5.3
P design H			kW	3.2	3.8
Energy Label	Cooling			A+++	A+++
	Heating			A+++	A+++
Annual Energy Consumption	Cooling		kWh	95	132
	Heating		kWh	855	985
Sound Pressure	Cooling	S/L/M/H	dB(A)	17/25/33/39	17/25/33/39
	Heating	L/M/H	dB(A)	25/33/39	25/33/39
Sound Power	Cooling	High	dB(A)	58	58
Air Flow Rate	Cooling	S/L/M/H	m³/min	5.0/8.5/11.5/14.5	5.0/8.5/11.5/14.5
		Max (Power)	m³/min	15.5	15.5
	Heating	L/M/H	m³/min	9.5/12.5/16.5	9.5/12.5/16.5
Dehumidification Rate			l/h	1.5	1.7
Running Current	Cooling	Rated/Max	A	2.5/6.0	3.9/6.0
	Heating	Rated/Max	A	2.9/7.0	3.7/7.0
Starting Current	Cooling	Rated	A	2.5	3.9
	Heating	Rated	A	2.9	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 mm²	3*1.0	3*1.0
Power & Transmission Cable			N x mm²	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				H09AL.UE1	H012AL.UE1
Operation Range	Cooling	Min-Max	°CDB	-10-48	-10-48
	Heating	Min-Max	°CDB	-15-24	-15-24
Sound Pressure	Cooling	High	dB(A)	48	48
	Heating	High	dB(A)	48	48
Sound Power	Cooling	High	dB(A)	65	65
Air Flow Rate		High	m³/min	40	40
Piping	Length (Odu/Idu)	Min	m	3	3
		Max	m	20	20
	Elevation (Odu/Idu)	Max	m	10	10
Piping Connection	Liquid	OD(Outside)	mm	6.35	6.35
		inch		(1/4)	(1/4)
	Gas	OD(Outside)	mm	9.52	9.52
		inch		(3/8)	(3/8)
	Drain	OD(Outside)	mm	21.5	21.5
inch			0.85	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	42
Dimension			mm	870*655*320	870*655*320

* S : Sleep / L : Low / M : Medium / H : High
 ** Specification, design and feature are subject to change without prior notice.
 *** This product contains Fluorinated greenhouse gases (R410A).