LG
Life's Good

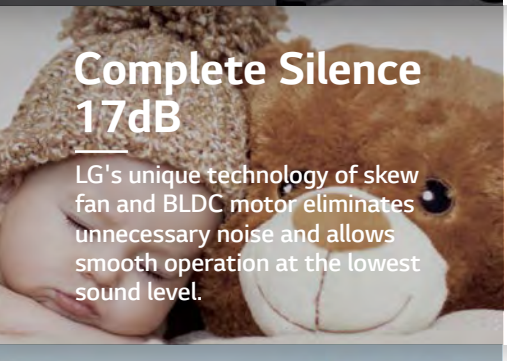
# Prestige
## Smart Inverter

## 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 effciency and reduce power consumption.



## Complete Silence 17dB

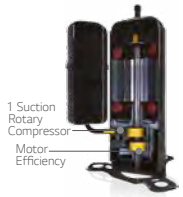
LG's unique technology of skew fan and BLDC motor eliminates unnecessary noise and allows smooth operation at the lowest sound level.

## Plasmaster™ Ionizer+PLUS

The powerful plasma Ionizer protects you from odors and harmful substances in the air with over 3 million ions to sterilize 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

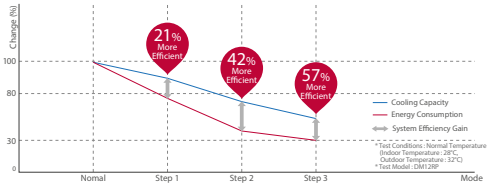

### 1 Energy Control Button

**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 be 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.


Conventional — Skew Fan

### 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.


AC Motor — BLDC Motor

### 3 ALVC (Active Low Vibration Control)

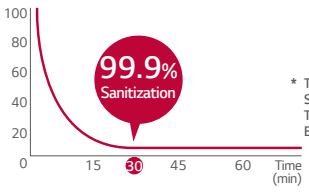
A speed-error component estimates the load to compensate for imbalances, which are the primary causes of vibration and noise, enabling the rotation of the motor without vibration at low Hz levels.

### 1 How It Works

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


### 2 Test Result

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




* Test Conditions
Space : 52m³ Chamber
Temperature & Humidity : Normal
Bacteria : Staphylococus Aureus

# Prestige
## Smart Inverter

9K
H09AL
12K
H12AL

Active Energy Control
Plasmaster Ionizer PLUS
Dual Protection Filter
Plasmaster Auto Cleaning
Jet Cool
4 Way Swing
Fast Heating
Gold Fin™
Low Noise 17dB
Silence Mode 3dB
Quick & Easy Installation

| Unit | | | | 9K | 12K |
|---|---|---|---|---|---|
| Indoor Unit | | | | H09AL.NSM | H12AL.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 |
| EER | | | W/W | 5.10 | 4.22 |
| S.E.E.R. | | | | 9.3 | 9.2 |
| 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 | dBA | 17/25/33/39 | 17/25/33/39 |
| | Heating | L/M/H | dBA | 25/33/39 | 25/33/39 |
| Sound Power | Cooling | High | dBA | 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 | H12AL.UE1 |
| Operation Range | Cooling | Min~Max | °CDB | -10~48 | -10~48 |
| | Heating | Min~Max | °CDB | -15~24 | -15~24 |
| Sound Pressure | Cooling | High | dBA | 48 | 48 |
| | Heating | High | dBA | 48 | 48 |
| Sound Power | Cooling | High | dBA | 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 |
| | | OD(Outside) | inch | (1/4) | (1/4) |
| | Gas | OD(Outside) | mm | 9.52 | 9.52 |
| | | OD(Outside) | inch | (3/8) | (3/8) |
| | Drain | OD(Outside) | mm | 21.5 | 21.5 |
| | | OD(Outside) | inch | 0.85 | 0.85 |
| Refrigerant | Type | | | R410A | R410A |
| | Charge at 7.5m | | g | 1,150 | 1,150 |
| | | | t-$CO_2$ eq | 2.40 | 2.40 |
| | Additional charge | | g/m | 20 | 20 |
| | GWP | | | 2087.5 | 2087.5 |
| 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).