

# ARTCOOL

## Smart Inverter



### Slim and Stylish Design

The new ARTCOOL air conditioner's sophisticated design seamlessly complements any interior décor.

#### • Intuitive Display



#### • Smooth Flowing Curved Design



#### • Slim Design



### Wi-Fi with SmartThinQ

Whenever, wherever and no matter how many air conditioners you have, easily access and control your air conditioners by using the smart internet devices as Android or iOS based mobile phones.

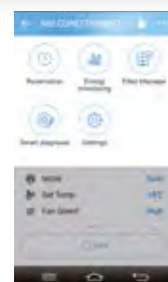
#### 1 Simple Operation for Various Functions

- On/Off, Set Temp
- Mode
- Vane Control
- Reservation / Timer



#### 2 Straight forward Management

- Energy Monitoring
- Smart Diagnosis
- Filter Management



### 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.

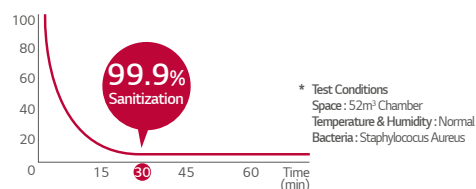
#### 1 How It Works

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)



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9K  
AM09BP  
12K  
AM12BP



18K  
AM18BP



| Unit                       |                     |               |                      | 9K                      | 12K                     | 18K                       |
|----------------------------|---------------------|---------------|----------------------|-------------------------|-------------------------|---------------------------|
| Model Indoor Unit          |                     |               |                      | AM09BP.NSJ              | AM12BP.NSJ              | AM18BP.NSK                |
| Indoor Unit                |                     |               |                      |                         |                         |                           |
| Capacity                   | Cooling             | Min/Rated/Max | W                    | 890/2500/3700           | 890/3500/4040           | 900/5000/5525             |
|                            | Heating             | Min/Rated/Max | W                    | 890/3200/4100           | 890/3800/5100           | 900/5800/6438             |
|                            | Heating -7°C        | Rated         | W                    | 3000                    | 3600                    | 3800                      |
| Power Input                | Cooling             | Rated         | W                    | 670                     | 1080                    | 1587                      |
|                            | Heating +7°C        | Rated         | W                    | 840                     | 1000                    | 1611                      |
| EER                        |                     |               | W/W                  | 3.73                    | 3.24                    | 3.15                      |
| S.E.E.R.                   |                     |               |                      | 6.5                     | 6.4                     | 6.5                       |
| P design C                 |                     |               | kW                   | 2.5                     | 3.5                     | 5.0                       |
| COP                        |                     |               | W/W                  | 3.81                    | 3.80                    | 3.60                      |
| S.C.O.P.                   |                     |               |                      | 4.0                     | 4.0                     | 4.0                       |
| P design H                 |                     |               | kW                   | 2.4                     | 2.5                     | 3.9                       |
| Energy Label               | Cooling             |               |                      | A++                     | A++                     | A++                       |
|                            | Heating             |               |                      | A+                      | A+                      | A+                        |
| Annual Energy Consumption  | Cooling             |               | kWh                  | 134                     | 191                     | 269                       |
|                            | Heating             |               | kWh                  | 840                     | 875                     | 1365                      |
| Sound Pressure             | Cooling             | S/L/M/H       | dBA+1                | 19/27/35/41             | 19/27/35/41             | 31/34/39/44               |
|                            | Heating             | L/M/H         | dBA+1                | 27/35/41                | 27/35/41                | 34/39/44                  |
| Sound Power                | Cooling             | High          | dBA                  | 59                      | 59                      | 60                        |
|                            | Heating             | High          | dBA                  | 59                      | 59                      | 60                        |
| Air Flow Rate              | Cooling             | S/L/M/H       | m³/min               | 3.0/4.2/7.5/10.0        | 3.0/4.2/7.5/10.0        | 8.0/10.5/13.0/14.5        |
|                            |                     | Max (Power)   | m³/min               | 11.5                    | 12.5                    | 15.5                      |
|                            | Heating             | L/M/H         | m³/min               | 5.6/7.2/10.0            | 5.6/7.2/10.0            | 11.0/13.5/16.0            |
| Dehumidification Rate      |                     |               | l/h                  | 1.1                     | 1.3                     | 1.8                       |
| Running Current            | Cooling             | Rated/Max     | A                    | 3.0/6.0                 | 4.7/6.0                 | 6.9/9.0                   |
|                            | Heating             | Rated/Max     | A                    | 3.7/7.0                 | 4.5/7.0                 | 7.1/9.5                   |
| Starting Current           | Cooling             | Rated         | A                    | 3.0                     | 4.7                     | 6.9                       |
|                            | Heating             | Rated         | A                    | 3.7                     | 4.5                     | 7.1                       |
| Power Supply               |                     | Ø / V / Hz    |                      | 1 / 220-240 / 50        | 1 / 220-240 / 50        | 1 / 220-240 / 50          |
| Circuit Breaker            |                     | A             |                      | 15                      | 15                      | 20                        |
| Power Supply Cable         |                     | N x mm²       |                      | 3*1.0                   | 3*1.0                   | 3 x 1.5                   |
| Power & Transmission Cable |                     | N x mm²       |                      | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) |
| Dimension                  |                     | mm            |                      | 837*308*192             | 837*308*192             | 998*345*212               |
| Net Weight                 |                     | kg            |                      | 9.9                     | 9.9                     | 13.2                      |
| Fan Motor Output           |                     | W             |                      | 30                      | 30                      | 30                        |
| Outdoor Unit               |                     |               |                      | AM09BP.UA3              | AM12BP.UA3              | AM18BP.UL2                |
| Operation Range            | Cooling             | Min-Max       | °CDB                 | -10-48                  | -10-48                  | -15-48                    |
|                            | Heating             | Min-Max       | °CDB                 | -10-24                  | -10-24                  | -10-24                    |
| Sound Pressure             | Cooling             | High          | dBA+1                | 49                      | 49                      | 53                        |
|                            | Heating             | High          | dBA+1                | 50                      | 50                      | 55                        |
| Sound Power                | Cooling             | High          | dBA                  | 65                      | 65                      | 65                        |
| Air Flow Rate              |                     | High          | m³/min               | 27                      | 27                      | 35                        |
| Piping                     | Length (Odu/Idu)    | Min           | m                    | 3                       | 3                       | 3                         |
|                            |                     | Max           | m                    | 15                      | 15                      | 20                        |
|                            | Elevation (Odu/Idu) | Max           | m                    | 7                       | 7                       | 10                        |
| Piping Connection          | Liquid              | OD(Outside)   | mm                   | 6.35                    | 6.35                    | 6.35                      |
|                            |                     | OD(Outside)   | inch                 | (1/4)                   | (1/4)                   | (1/4)                     |
|                            | Gas                 | OD(Outside)   | mm                   | 9.52                    | 9.52                    | 12.7                      |
|                            |                     | OD(Outside)   | inch                 | (3/8)                   | (3/8)                   | (1/2)                     |
|                            | Drain               | OD(Outside)   | mm                   | 21.5                    | 21.5                    | 21.5                      |
|                            |                     | OD(Outside)   | inch                 | 0.85                    | 0.85                    | 0.85                      |
| Refrigerant                | Type                |               |                      | R410A                   | R410A                   | R410A                     |
|                            | Charge at 7.5m      |               | g                    | 950                     | 950                     | 1200                      |
|                            | Additional charge   |               | t-CO <sub>2</sub> eq | 1.98                    | 1.98                    | 2.51                      |
|                            | GWP                 |               | g/m                  | 20                      | 20                      | 20                        |
| Fan Motor Output           |                     | W             |                      | 2087.5                  | 2087.5                  | 2087.5                    |
| Compressor Type            |                     |               |                      | 43                      | 43                      | 43                        |
| Net Weight                 |                     | kg            |                      | 1P Rotary               | 1P Rotary               | Twin Rotary               |
| Dimension                  |                     | mm            |                      | 28.4                    | 28.4                    | 36.3                      |
|                            |                     |               |                      | 717*483*230             | 717*483*230             | 770*545*288               |

\* 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).