

# ARTCOOL

## Smart Inverter



### Slim and Stylish Design

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

The LG ARTCOOL air conditioner is designed to be harmonized with the interior of your home with minimal and basic style. The mirror glass on the front of the product reflects the surrounding environment to emphasize the interior and the integrity, and it delivers timeless beauty through the firmness of the glass material.

• 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.

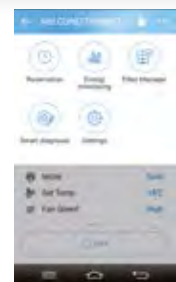
#### 1 Simple Operation for Various Functions

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



#### 2 Straight forward Management

- Energy Monitoring
- Smart Diagnosis
- Filter Management

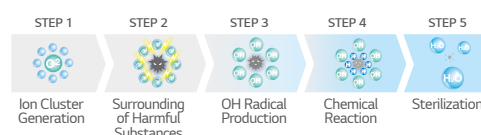


### Plasmaster™ Ionizer PLUS

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.

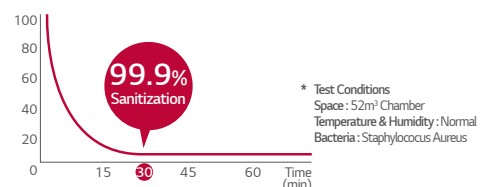
#### 1 How It Works

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



- Embedded Wi-Fi
- Smart Diagnosis
- Active Energy Control
- Energy Display
- Plasmaster Ionizer<sup>PLUS</sup>
- Dual Protection Filter
- Auto Cleaning
- Jet Cool
- 4 Way Swing
- Fast Heating
- Gold Fin™
- Comfort Air
- Low Noise  
19dB  
(9k, 12k)
- Silence Mode
- Quick & Easy Installation

Unit			9K	12K	18K		
Model Indoor Unit			AM09BP.NSJ	AM12BP.NSJ	AM18BP.NSK		
<b>Indoor Unit</b>							
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	
			W/W	3.73	3.24	3.15	
EER							
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	
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	
<b>Outdoor Unit</b>							
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	
			inch	(1/4)	(1/4)	(1/4)	
			mm	9.52	9.52	12.7	
	Gas	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	
			t-CO <sub>2</sub> eq		1.98	1.98	2.51
	Additional charge		g/m	20	20	20	
	GWP				2087.5	2087.5	2087.5
Fan Motor Output			W	43	43	43	
Compressor Type				1P Rotary	1P Rotary	Twin Rotary	
Net Weight			kg	28.4	28.4	36.3	
Dimension			mm	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).