

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.

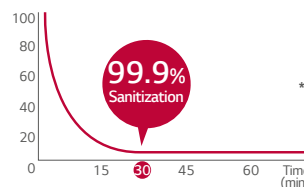
1 How It Works

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)



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

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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
			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
	Heating	High	dBA	65	65	65
Air Flow Rate			High	m³/min	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
			t-CO ₂ 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).