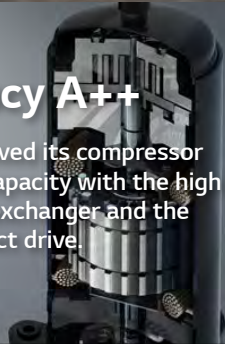




2017 **NEW** Deluxe Smart Inverter

Efficiency A++

LG RAC improved its compressor and heating capacity with the high density heat exchanger and the boost AC direct drive.



1 High Efficient Compressor



Improve Efficiency

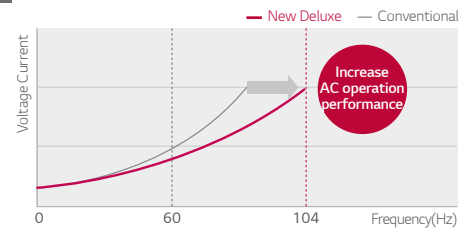
**15Hz
Reduced**

Low Vibration
Compressor

**20%
Reduced**

Torque Control

2 Boost AC Direct Drive



*Specifications may vary for each model.

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.



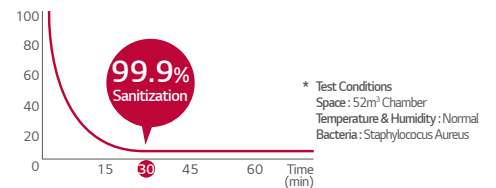
1 How It Works

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)



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.



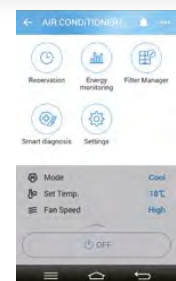
1 Simple Operation for Various Functions

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



2 Straight forward Management

- Energy Monitoring
- Smart Diagnosis
- Filter Management



Perfect Convenience

The LG's revolutionary air conditioners provide maximum comfort for consumers.



1 Comfort Air

This option conveniently sets an AC's louvers to a preset position so that outflowing air is directed away from room's occupants.

Click the button once :
the vane goes to the highest position for indirect airflow. (Optimized airflow for cooling)

Click the button twice :
the vane goes to the lowest position for indirect airflow. (Optimized airflow for heating)



2 Larger Magic Display

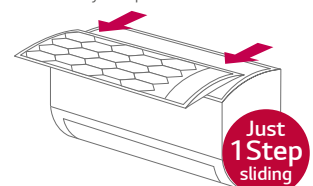
Neat indoor unit design and comfortable function of checking your energy with hidden display.



**190%
Increase**

3 EZ Sliding Filter

Easy horizontal sliding filter when cleaning your air conditioners by 1 step.



**Just
1Step
sliding**

2017 **NEW** Deluxe Smart Inverter

9K
DM09RP
12K
DM12RP

18K
DM18RP
24K
DM24RP



Unit				9K	12K	18K	24K
Indoor Unit				DM09RP.NSJ	DM12RP.NSJ	DM18RP.NSK	DM24RP.NSK
Capacity	Cooling	Min/Rated/Max	W	890/2500/3700	890/3500/4040	900/5000/5525	900/6600/7420
	Heating +7°C	Min/Rated/Max	W	890/3200/5000	890/4000/6000	900/5800/6438	900/7500/8640
	Heating -7°C	Rated	W	3200	3800	3800	4850
Power Input	Cooling	Rated	W	556	898	1,562	2,275
	Heating +7°C	Rated	W	712	975	1,611	2,238
EER			W/W	4.5	3.9	3.2	2.9
S.E.E.R.				7.7	7.6	7.0	6.5
P design C			kW	2.5	3.5	5.0	6.6
COP			W/W	4.5	4.1	3.60	3.35
S.C.O.P.				4.6	4.6	4.2	4.0
P design H			kW	2.8	2.9	4.1	5.0
Energy Label	Cooling			A++	A++	A++	A++
	Heating			A++	A++	A+	A+
Annual Energy Consumption	Cooling		kWh	114	162	250	356
	Heating		kWh	853	883	1367	1770
Sound Pressure	Cooling	S/L/M/H	dB(A)+1	19/24/35/40	19/24/35/40	31/34/39/44	31/34/42/47
	Heating	L/M/H	dB(A)+1	24/35/40	24/35/40	34/39/44	34/42/47
Sound Power	Cooling	High	dB(A)	60	60	60	65
Air Flow Rate	Cooling	S/L/M/H	m³/min	3.5/5.5/9.0/11.0	3.5/5.5/9.0/11.0	8.0/10.5/13.0/14.5	8.0/10.5/13.1/16.1
		Max (Power)	m³/min	13.0	13.0	15.5	20.0
	Heating	L/M/H	m³/min	6.5/9.0/11.0	6.5/9.0/11.0	11.0/13.5/16.0	11.0/15.0/18.5
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated/Max	A	2.5/6.0	4.0/6.0	6.9/9	10.1/14.0
	Heating	Rated/Max	A	3.2/7.0	4.3/7.0	7.1/9.5	10.4/14.0
Starting Current	Cooling	Rated	A	2.5	4.0	6.9	10.1
	Heating	Rated	A	3.2	4.3	7.1	10.4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm²	3*1.0	3*1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm²	4*1.0 (Including Earth)	4*1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837*308*189	837*308*189	998*345*210	998*345*210
Net Weight			kg	8.3	8.3	12	12
Fan Motor Output			W	30	30	60	60
Outdoor Unit				DM09RP.UJ2	DM12RP.UJ2	DM18RP.UJ2	DM24RP.UJ2
Operation Range	Cooling	Min-Max	°CDB	-15-48	-15-48	-15-48	-15-48
	Heating	Min-Max	°CDB	-15-24	-15-24	-10-24	-10-24
Sound Pressure	Cooling	High	dB(A)+1	47	47	53	56
	Heating	High	dB(A)+1	48	48	55	57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate		High	m³/min	35	35	35	50
Piping	Length (Odu/Idu)	Min	m	3	3	-	-
		Max	m	20	20	20	30
	Elevation (Odu/Idu)	Max	m	10	10	10	15
Piping Connection	Liquid	OD(Outside)	mm	6.35	6.35	6.35	6.35
		inch	(1/4)	(1/4)	(1/4)	(1/4)	
	Gas	OD(Outside)	mm	9.52	9.52	12.7	15.88
		inch	(3/8)	(3/8)	(1/2)	(5/8)	
	Drain	OD(Outside)	mm	21.5	21.5	21.5	21.5
		inch	OD(Outside)	0.85	0.85	0.85	0.85
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge at 7.5m		g	1,000	1,000	1250	1350
		t-CO2 eq		2.09	2.09	2.61	2.82
	Additional charge		g/m	20	20	20	30
	GWP			2087.5	2087.5	2087.5	2087.5
Fan Motor Output			W	43	43	43	85
Compressor Type				1P Rotary	1P Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	30.5	30.5	36.2	46.4
Dimension			mm	770*545*288	770*545*288	770*545*288	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).