LG

Megaclima
Desde 1993

2024 | AR CONDICIONADO

2024

AR CONDICIONADO

CATÁLOGO

Life's Good.

LG

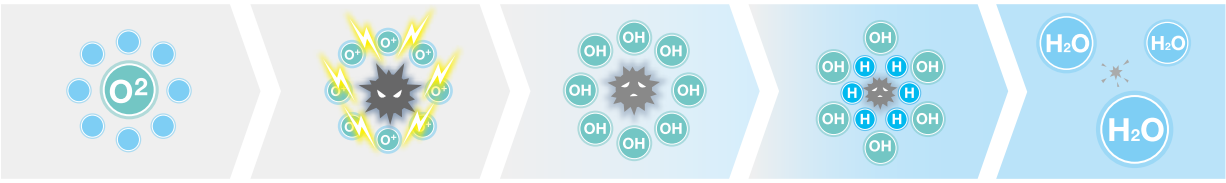
Plasmaster™ Ionizer++

The powerful Plasmaster™ Ionizer++ removes unpleasant odors, along with Escherichia coli and Staphylococcus on surfaces, using over 8 million ions. Experience a safer, cleaner indoor environment.

※ Specifications may vary for each model.
※ Depending on the experimental conditions.

How It Works

Reduction and Deodorization (Utilizes Over 8 Million Ions)
Plasmaster Ionizer+ reduces E.coli and Staphylococcus in the surface with over 8 million ions.



Release of Ions into Air
Ions are released into the air.

Surrounding Harmful Substances
H- and O- bond to harmful particles.

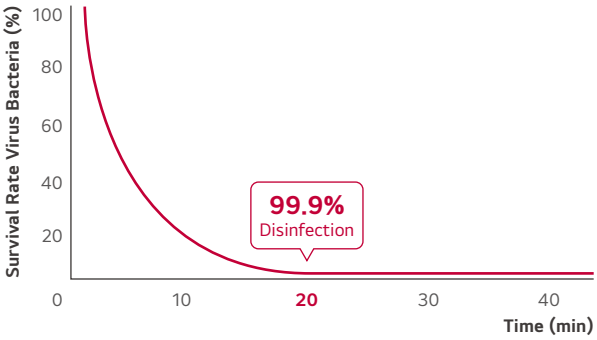
OH Radical Production
OH radicals inactivate harmful substances.

Chemical Reaction
OH radicals bond with H particles.

Disinfection
H_2O molecules are produced.

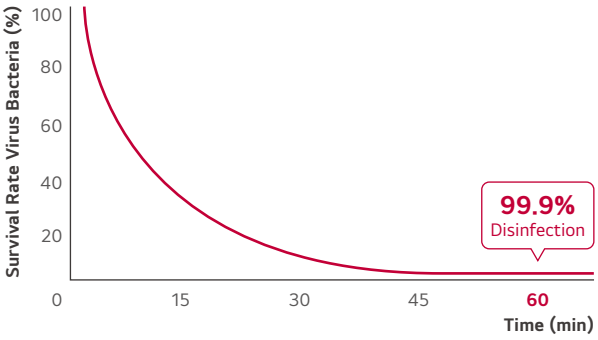
Test Result

Effective Reduction Performance
Remove Bacteria E.coli over 99.9% in 20 min



※ Test Conditions :
Space : 30m³ Chamber (Measuring with the specimen in the center of test chamber)
Temperature & Humidity : Normal
Bacteria : E Coli colon bacillus
Verified by Intertek & TUV Rheinland

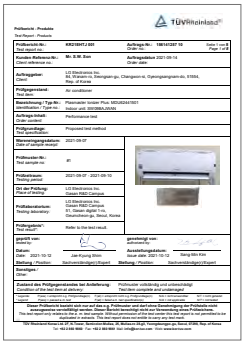
Staphylococcus Sterilization
Remove Staphylococcus aureus over 99.9% in 60 min

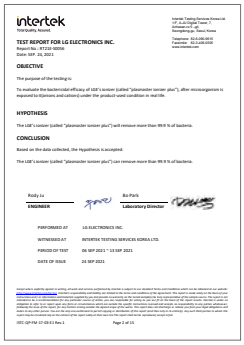


※ Test Conditions :
Space : 30m³ Chamber (Measuring with the specimen in the center of test chamber)
Temperature & Humidity : Normal
Bacteria : Staphylococcus Aureus
Verified by Intertek & TUV Rheinland

Benefit & Verification

The LGE's ionizer, known as "Plasmaster Ionizer Plus," has demonstrated the capability to remove more than 99.9% of bacteria, including Escherichia coli, Pseudomonas aeruginosa, and Staphylococcus aureus.





UVnano™

LG DUALCOOL, keeping the fan (inside the unit) 99.99% bacteria-free with ultraviolet light to ensure that the air passing through is clean too.

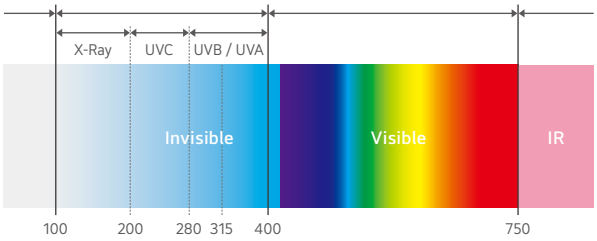
※ UVnano is an integrated marketing name that applies LG Electronics' entire home appliances and it is a compound of the words UV (ultraviolet) and nanometer (unit of length).

What Is UVnano™ and How It Works?

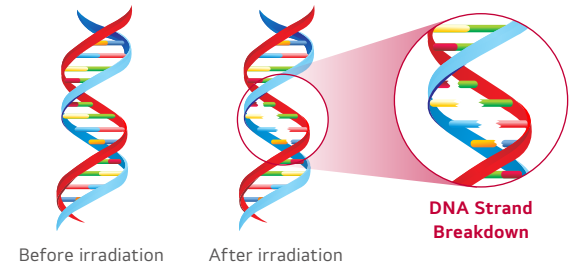
- Emit Ultraviolet rays of UVC wavelength directly damage the DNA of microorganisms (bacteria/mold/viruses) making it impossible for them to multiply.
- High absorption into DNA at 260 to 270 nm wavelengths

DNA Absorption Efficiency by Wavelength

Electromagnetic Spectrum and Types



Destruction Nuclear Sequence (Chain)



Before irradiation

After irradiation

UVC Applied Product

LG Product

Humidifier | Stand AC | Water Purifier | Refrigerator

Various Product Lines

Utensil | Earbud | Surgery Kit | Air Cleaning Robot

Benefit & Verification

Keep the fan 99.99% bacteria-clean for a cleaner breeze.

Removes up to **99.99%** of bacteria from the internal fan.

TÜVRheinland®

※ Test Condition
- Test Model : S3NM12JL1GA(SJ), S3NM24K21GA(SK)
- Test Standard : LG test method with referenced to ISO 20743:2007
- Bacteria : Staphylococcus aureus, Staphylococcus epidermidis, Klebsiella pneumoniae

Smart Diagnosis

Smart Diagnosis allows you to monitor the health of your air conditioner remotely.

※ Specifications may vary for each model.
※ When connected to Multi ODU, Smart Diagnosis function may not be supported.

What is Smart Diagnosis?

Smart Diagnosis allows users to conveniently check setup, installation, troubleshooting and other information directly from a smartphone.

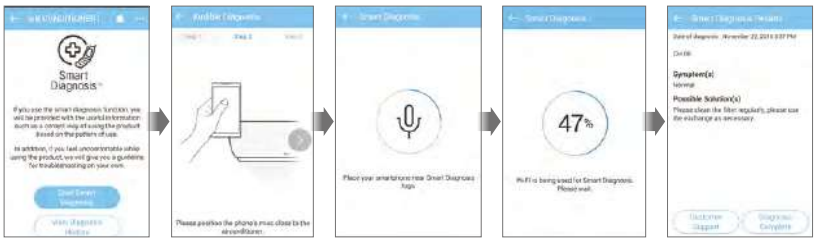
※ Builds upon widespread smartphone use and offers greater USP diversification
※ Perfect for consumers who are unable to view information about their air conditioner via a display or remote control.

How It Works

Embedded Wi-Fi Model

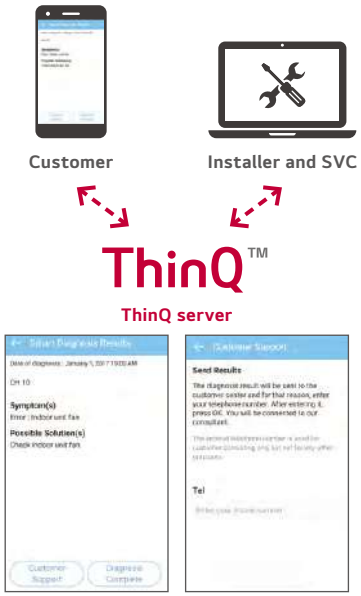
By using "ThinQ" App and clicking "Start Smart Diagnosis", monitor and check diagnosis results conveniently via Wi-Fi.

Non Embedded Wi-Fi Model



Benefit

Easily understandable error messages simplify the process of identifying solutions and make reaching out to the service center simple and convenient.



For Consumer

- Easily check the operational status of a product, even without a display or with limited information.
- Save energy by monitoring key operational information and power consumption.
- Utilize the Maintenance Guide to enhance device performance and increase the product's lifespan.

For Installer and SVC

- Gain a better understanding of the product by easily confirming operational status and information.
- Intuitively diagnose problems by comparing current and past usage data.
- Maintain installation capabilities and reduce errors by quickly confirming device operational status.

※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

Wi-Fi

R32

DUAL Inverter HeatPump Compressor | Low Noise 19dB | Comfort Humidity Control | Fast Cooling | Fast Heating | Freeze Cleaning | Plasmaster Ionizer++ | Auto Cleaning

Mobile LG MV | Embeded Wi-Fi | Smart Diagnosis | Voice Control | Gold Fin | Multi Compatible

DUAL Inverter

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

Single Combination

UNIT				9K	12K
INDOOR				**A09GA1.NSE**	**A12GA1.NSE**
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.04
	Heating	Min. / Rated / Max.	kW	0.89 / 3.30 / 4.10	0.89 / 4.00 / 4.70
	Heating -7°C	Rated	kW	2.60	3.20
Power Input	Cooling / Heating	Rated	W	600 / 808	1,020 / 1,078
EER			W/W	4.17	3.43
S.E.E.R.				7.2	6.9
P design C			kW	2.5	3.5
COP			W/W	4.08	3.71
S.C.O.P		(Average / Warmer)		4.3 / 4.9	4.3 / 4.9
P design H (Average / Warmer)			kW	2.7 / 1.4	2.7 / 1.4
Energy Label (A+++ to D Scale)	Cooling			A++	A++
	Heating	(Average / Warmer)		A+ / A++	A+ / A++
Annual Energy Consumption	Cooling		kWh	121	177
	Heating	(Average / Warmer)	kWh	879 / 373	879 / 373
Sound Pressure*	Cooling	S / L / M / H	dB(A)	20 / 28 / 36 / 42	20 / 28 / 36 / 42
	Heating	L / M / H	dB(A)	28 / 36 / 42	28 / 36 / 42
Sound Power	Cooling		dB(A)	60	60
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m^3/min	3 / 6 / 8 / 10 / 12	3 / 6 / 8 / 10 / 12
	Heating	L / M / H	m^3/min	6 / 8 / 10	6 / 8 / 10
Dehumidification Rate			l/h	1.1	1.3
Running Current	Cooling	Min. / Rated / Max.	A	1.1 / 3.0 / 6.0	1.1 / 4.6 / 6.2
	Heating	Min. / Rated / Max.	A	1.1 / 3.7 / 7.2	1.1 / 4.8 / 7.2
Starting Current	Cooling / Heating	Rated	A	3.0 / 3.7	4.6 / 4.8
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	20	20
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	652 x 652 x 158	652 x 652 x 158
Net Weight			kg	20	20
Fan Motor Output			W	32.7	32.7
OUTDOOR				**A09GA1.U18**	**A12GA1.U18**
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-15 / 24	-15 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	50 / 53	50 / 53
Sound Power	Cooling	High	dB(A)	65	65
Air Flow Rate		High	m^3/min	35	35
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20
	Elevation (ODU / IDU)	Min. / Max.	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.800	0.800
			t-CO_2 eq	0.540	0.540
	Additional Charge		g/m	20	20
	GWP			675	675
Fan Motor Output			W	43	43
Compressor Type				Twin Rotary	Twin Rotary
Net Weight			kg	33.4	33.4
Dimension			mm	770 x 545 x 288	770 x 545 x 288
ACCESSORIES & OTHERS					
Multi Compatible				Y	Y
PI 485				Y	Y
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

Preliminary Data Only

* : Sound Pressure is not a value declared on Eurovent Program.
※ This product contains Fluorinated greenhouse gases (R32).
※ S : Sleep / L : Low / M : Medium / H : High
※ GWP : Global warming potential
※ t-CO_2eq : F-gas(kg)*GWP/1000
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Y : Available or Applied / - : Not Available or Not Applied

Megaclima
DESDE 1993

video 2"
Apresentação Megaclima

video 4"
Academia Megaclima

video 7"
Por dentro da Megaclima

30 Anos na climatização e tratamento de ar

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