○ Single Split Only ○● Compatible ● Multi Split Only

	MODEL	kBtu	5	7	9	12	15	18	24
		kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
LG ARTCOOL™	Gallery Premium	Wi-Fi R32			○● A09GA2.NSE	○● A12GA2.NSE			
	Gallery Special	Wi-Fi R32			○● A09GA1.NSE	○● A12GA1.NSE			
	Mirror	UVnano™ Wi-Fi R32		● AM07BK.NSJ	○● AC09BK.NSJ	○● AC12BK.NSJ		○● AC18BK.NSK	○● AC24BK.NSK
LG DUALCOOL™	Prestige	Wi-Fi R32			○ F09MT.NSM	○ F12MT.NSM			
	Premium	Wi-Fi R32			○● H09S1P.NS1	○● H12S1P.NS1			
	Deluxe	Wi-Fi R32			○● H09S1D.NS1	○● H12S1D.NS1		○● H18S1D.NS1	○● H24S1D.NS1
	Special DC1	UVnano™ Wi-Fi R32		● DM07RK.NSJ	○● DC09RK.NSJ	○● DC12RK.NSJ		○● DC18RK.NSK	○● DC24RK.NSK
	Special DC2	Wi-Fi R32			○● DC09RT.NSJ	○● DC12RT.NSJ			
	Special PC	Wi-Fi R32	● PM05SK.NSA	● PM07SK.NSA	○● PC09SK.NSJ	○● PC12SK.NSJ	● PM15SK.NSJ	○● PC18SK.NSK	○● PC24SK.NSK
	Special ET	Wi-Fi R32		● MS07ET.NSA	○● S09ET.NSJ	○● S12ET.NSJ		○● S18ET.NSK	○● S24ET.NSK
	Special EQ	R32			○ S09EQ.NSJ	○ S12EQ.NSJ		○ S18EQ.NSK	○ S24EQ.NSK
	Pro	R32			○ W09TI.NEU W09TE.NEU	○ W12TI.NEU W12TE.NEU		○ W18TI.NEU	○ W24TI.NEU

※ Refer to multi split line up for 5, 7, 15 kBtu indoor unit connection.
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

○ Single Split Only ○● Compatible ● Multi Split Only

	MODEL	kBtu	5	7	9	12	15	18	24
		kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
LG ARTCOOL™	Gallery Premium	R32			○ A09GA2.U18	○ A12GA2.U18			
	Gallery Deluxe	R32			○ A09GA1.U18	○ A12GA1.U18			
	Mirror	R32			○ AC09BK.UA3	○ AC12BK.UA3		○ AC18BK.UL2	○ AC24BK.U24
LG DUALCOOL™	Prestige	R32			○ F09MT.U24	○ F12MT.U24			
	Premium	R32			○ H09S1P.U18	○ H12S1P.U18			
	Deluxe	R32			○ H09S1D.U12	○ H12S1D.U12		○ H18S1D.U18	○ H24S1D.U24
	Special DC1	R32			○ DC09RK.UL2	○ DC12RK.UL2		○ DC18RK.UL2	○ DC24RK.U24
	Special DC2	R32			○ DC09RT.UA3	○ DC12RT.UA3			
	Special PC	R32			○ PC09SK.UA3	○ PC12SK.UA3		○ PC18SK.UL2	○ PC24SK.U24
	Special ET	R32			○ S09ET.UA3	○ S12ET.UA3		○ S18ET.UL2	○ S24ET.U24
	Special EQ	R32			○ S09EQ.UA3	○ S12EQ.UA3		○ S18EQ.UL2	○ S24EQ.U24
	Pro	R32			○ W09TI.UEU W09TE.UEU	○ W12TI.UEU W12TE.UEU		○ W18TI.UEU	○ W24TI.UEU

● : Applied to Single & Multi (Wall Mounted Indoor + Wall Mounted Outdoor or Multi Outdoor) ○ : Applied to single (Wall Mounted Indoor + Wall Mounted Outdoor)

Category		LG ARTCOOL™								LG DUALCOOL™																							
		Gallery Premium		Gallery Special		Mirror				Premium		Deluxe					Special DC1				Special DC2		Special PC				Special ET				Special EQ			
Product Grade Naming																																		
BTU		9K	12K	9K	12K	9K	12K	18K	24K	9K	12K	9K	12K	18K	24K		9K	12K	18K	24K	9K	12K	9K	12K	18K	24K	9K	12K	18K	24K	9K	12K	18K	24K
CORE TECH	DUAL Inverter HeatPump Compressor™	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
COMFORT	Soft Air									*●	*●	*●	*●	*●	*●																				
COMFORT	Dual Vane									*●	*●	*●	*●	*●	*●																				
COMFORT	Comfort Humidity Control	●	●	●	●					●	●	●	●	●	●																				
ENERGY SAVING	kW Manager									●	●	●	●	●	●																				
ENERGY SAVING	Human Detecting Sensor									●	●																								
ENERGY SAVING	Window Open Detecting									*●	*●	*●	*●	*●	*●																				
ENERGY SAVING	Active Energy Control					○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
HEALTH	Freeze Cleaning	○	○	○	○					○	○	○	○	○	○																				
HEALTH	Plasmaster™ Ionizer++	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●												
HEALTH	Allergy Filter					●	●	●	●	●	●	●	●	●	●		●	●	●	●			●	●	●	●								
HEALTH	UVnano™					●	●	●	●								●	●	●	●														
HEALTH	Auto Cleaning	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SMART	Low Refrigerant Detection	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SMART	Embeded Wi-Fi	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●				
SMART	Smart Diagnosis	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SMART	Mobile LG MV	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SMART	Voice Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●				
DURA-BILITY	Gold Fin™	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
MULTI	Multi Compatible	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●				

* ● : This feature will be available from the 2nd half of the year.
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

powered by

DUAL Inverter HeatPump Compressor™

※ Dual Inverter HeatPump Compressor is applied to Single Split only. Specification may vary each model.

What is the Dual Inverter HeatPump Compressor?

A compressor is the heart of an air conditioner. LG's Dual Inverter HeatPump Compressor solves convential compressor problems, resulting in an air conditioner that cools faster, lasts longer, and runs quieter.

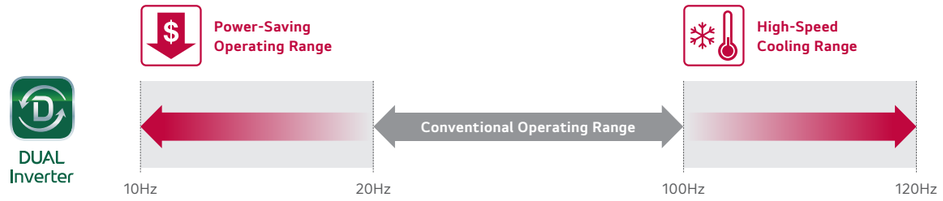
Product Reliability Improvement

The Dual Inverter HeatPump Compressor reduces the vibration and with it the sound pressure levels. The reduction in vibration reduces the possibility of fractures occurring in the the surrounding pipework.

How It Works

Varied-Speed Dual Rotary

A compressor motor with a wider rotational frequency that is energy efficient and has a higher volumetric quick cooling capacity than any conventional compressors.



Low Noise

LG air conditioners operate at 19dB low noise level.

※ Specifications may vary for each model.

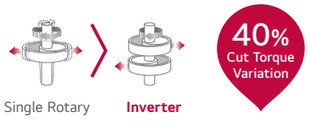
How It Works

LG's Unique Skew Fan

By minimizing the surface pressure of the fan blade when in contact with the air, the noise produced by the air conditioning unit is reduced to a remarkably low level.

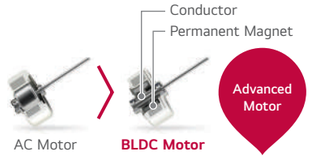
ALVC (Active Low Vibration Control)

A speed-error component estimates the load to compensate for imbalances, which are the primary causes of vibration and noise, enabling the rotation of the motor without vibration at low Hz levels.



BLDC Fan Motor

With strong torque and powerful ND magnetism as well as precise speed control of 13 different steps for smooth operation, the BLDC motor provides substantial air volume and high static pressure, while keeping electrical and mechanical noise lower, and making high-speed operation available.



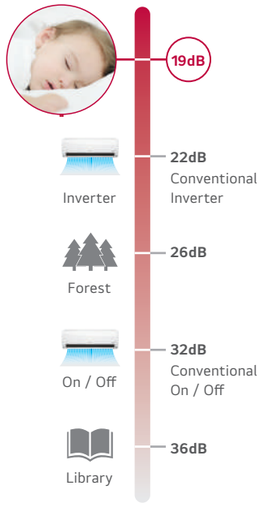
Conventional AC Motor

- Low efficiency.
- Heat problem during overhauling.
- Difficult precise speed control.

BLDC Motor

- Low electric and mechanical noise.
- Durable precise speed control.

Benefit

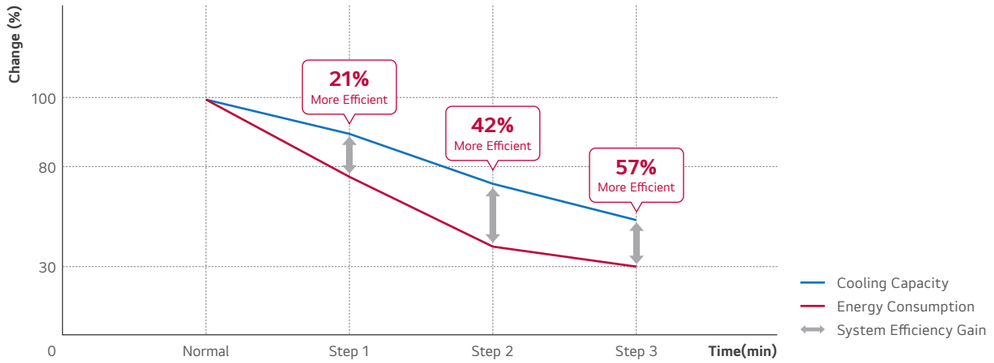


Active Energy Control

LG's Active Energy Control operates in four steps, dynamically adjusting both energy consumption levels and cooling capacity. This is achieved through precise control of the maximum frequency of the compressor motor.

※ Specifications may vary for each model. ※ Depending on the experimental conditions.
※ When connected to Multi ODU, Active Energy Control function may not be supported. ※ Active Energy Control works only cooling mode.

Concept & Benefit



※ Test Conditions : Normal Temperature (Indoor Temperature at the Cooling Mode : 28°C, Outdoor Temperature : 32°C)
※ Test Model : DC12RH

How It Works

STEP 1 100% Energy Usage

Suitable for many people and high-activity levels.

STEP 2 80% Energy Usage

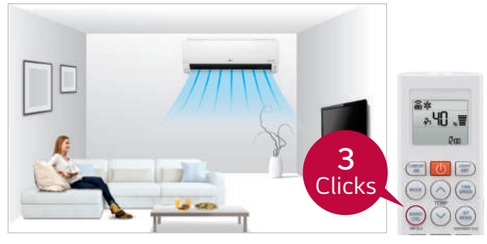
Ideal for fewer people and moderate-activity levels.

STEP 3 60% Energy Usage

Designed for even fewer people and low-activity levels.

STEP 4 40% Energy Usage

Intended for the fewest people with no activity.



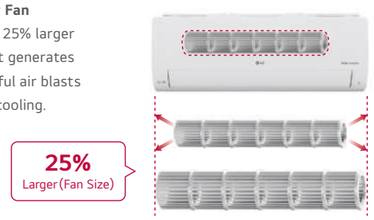
Fast Cooling

The cool airflow rapidly reaches all the corners of the room, keeping the space cool and comfortable.

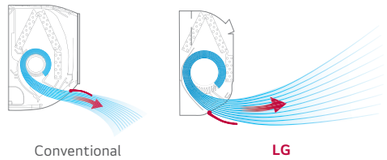
※ Specifications may vary for each model. ※ Depending on the experimental conditions.

Pain Point

Bigger Skew Fan
Experience a 25% larger skew fan that generates highly powerful air blasts for efficient cooling.

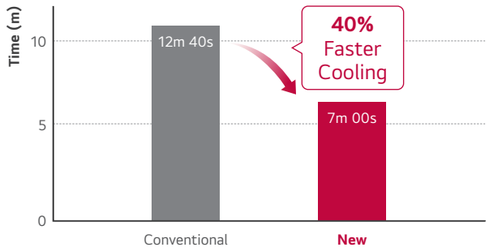


Cooling Outlet
The larger and optimally designed cooling outlet ensures broader coverage, rapidly cooling larger areas for a more comfortable environment.



Test Result

Test Result



TÜVRheinland®

※ 26.5℃ Reach Time Comparison
※ Test Model
- Conventional : TS-H2465DA0
- New : US-Q242Kxy0

※ Test Conditions :
Indoor temperature 33°C, Outdoor temperature 35°C,
Relative humidity 60%, Setting temperature 26°C
Test room size : 4.3 m x 7.0 m x 2.3 m

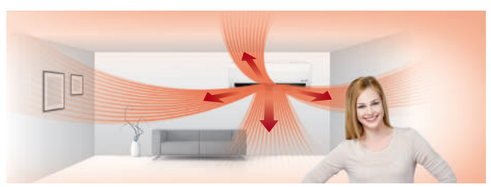
Fast Heating

LG Residential Air Conditioners satisfy user needs by consuming less energy and heating a wider space in a shorter period. This creates a warm and comfortable living environment.

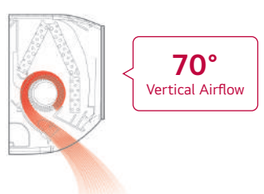
※ Specifications may vary for each model. ※ Depending on the experimental conditions.

How It Works

4 Way Auto Swing (Easy Airflow Control)
The 4-Way Auto Swing feature adjusts airflow dynamically based on the surrounding environment. This ensures the optimal distribution of warm air throughout living areas, facilitating quick and efficient heating.

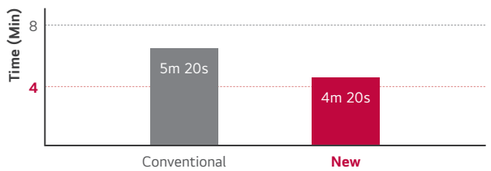


Vertical Airflow
During heating, the vane directs warm air downward, ensuring a pleasant and balanced room temperature.



Benefit & Test Result

22% Quick Heating



※ Test Conditions :
Outdoor temperature : 7°C, Indoor temperature : 12°C,
Humidity : 87%, Remote control : 30°C Power

Changes in Temperature Over 20 Minutes

Conventional	5min	10min	15min	20min
0.1m				
New	5min	10min	15min	20min
0.1m				

※ Test Conditions :
Outdoor temperature : 7°C, Indoor temperature : 12°C,
Humidity : 87%, Remote control : 30°C Power

Freeze Cleaning

Experience continuous freshness as our innovative Freeze Cleaning technology ensures a clean evaporator, allowing the passage of fresh and pure air.

Pain Point

When using an air conditioner, concerns often arise regarding the cleanliness of the air it produces. The interior of an air conditioner, being a dark and humid environment, is prone to contamination by dust and bacteria.

How It Works

The "Freeze Cleaning" process involves creating an ice layer that effectively separates odor-causing substances, including dust and bacteria accumulated on the evaporator. When the ice melts, these contaminants are efficiently washed away with the drain water, ensuring a thorough cleaning mechanism.

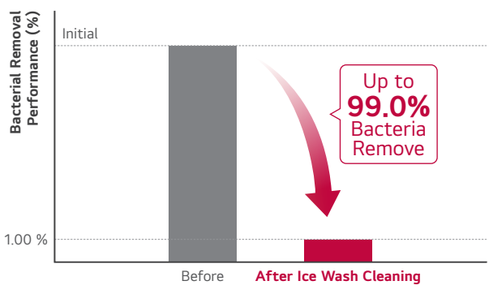
Step. 1	Step. 2	Step. 3	Step. 4
Dirty	Freeze	Defrost & Wash	Dry
air conditioner indoor unit			

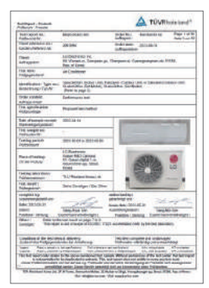
※ Working condition : 21 ~ 32°C (Indoor) / 21 ~ 37°C (Outdoor)
※ The "Freeze Cleaning" mode can activate through ThinQ only.

Benefit & Verification

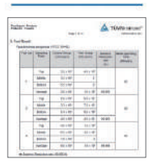
Periodically clean the interior of the air conditioner, a typically challenging maintenance task, to keep the evaporator consistently clean.

Test Result (Bacterial Removal Performance)
Our "Freeze Cleaning" function has been rigorously tested and proven to remove up to 99.0% of residual bacteria on the evaporator, ensuring a hygienic and healthy environment.





TÜVRheinland®



※ This test result obtained a test report on and Pseudomonas aeruginosa 99.0% reduction rate from an internationally recognized laboratory, which may vary depending on the actual environment.
※ Test institution : TÜV Rheinland
※ Test Model : SQ07EDETHN(SE), SQ06BDAWAJ(SA), SQ07SDJBAN(SJ), SQ09MDKWAN(SK)
※ Test bacteria : Up to 99% reduction rate of "Pseudomonas aeruginosa" confirmed

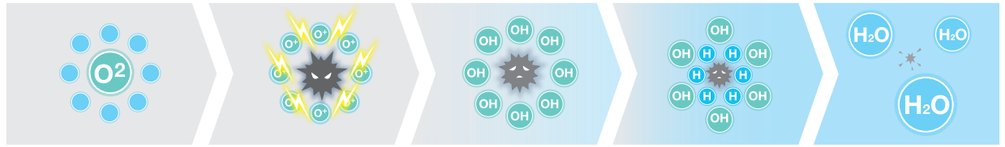
Plasmaster™Ionizer++

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.

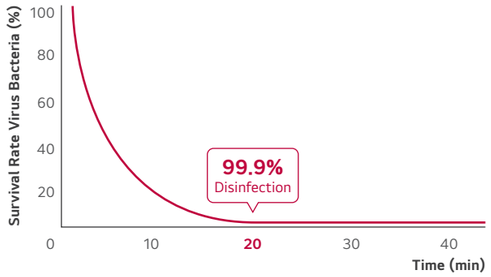
OH Radical Production
OH radicals inactivate harmful substances.

Chemical Reaction
OH radicals bond with H particles.

Disinfection
H_2O molecules are produced.

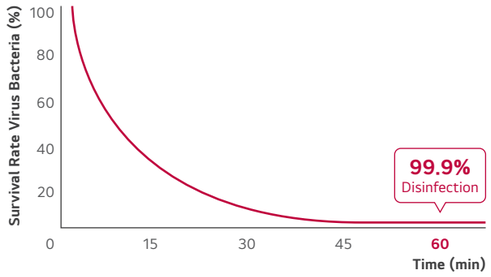
Test Result

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.

TÜVRheinland®

intertek

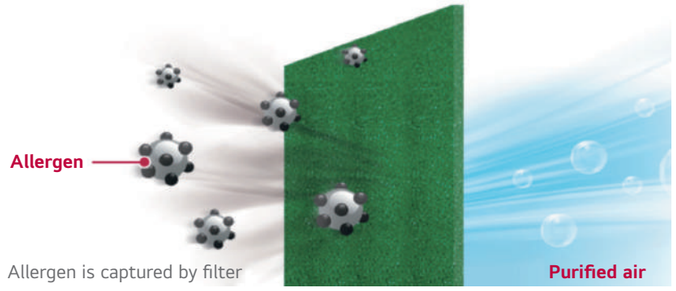
Allergy Filter

While airflow from an air conditioner may trigger symptoms associated with allergies or asthma, LG units feature an interior filter designed to absorb harmful particles such as dust mites, pollen, fungi, and mold that circulate in the air. This ensures a cleaner and more allergen-free environment.

※ Specifications may vary for each model.

How It Works

Removes allergy-causing substances, such as dust mites that can be found in the air.



Certification

Certified by AllergyUK

* Test Condition Disclaimer
A filter is coated to absorb harmful substances that can cause allergies.
The air conditioner strongly absorbs indoor air and removes allergy-causing substances, such as house dust mite, fungi, mold, floating in the air.

Allergy UK (a world-renowned organization) is a British medical charity dedicated to helping adults and children with their allergies. The charity was founded in 1991 as the British Allergy Foundation, and in 2002 the operational name of the charity became Allergy UK. Allergy UK endorses certain products that restrict or remove high levels of allergens and gives them a Seal of Approval.

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.

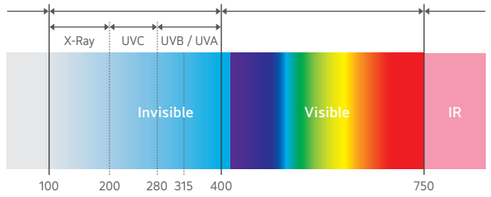
※ UVnano is an integrated marketing name that applies LG Electronics' entire home appliances and it is a compound of the words UV (ultraviolet) and nanometer (unit of length).

What Is UVnano™ and How It Works?

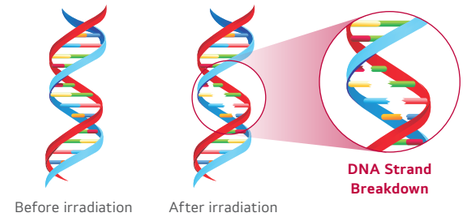
- Emit Ultraviolet rays of UVC wavelength directly damage the DNA of microorganisms (bacteria/mold/viruses) making it impossible for them to multiply.
- High absorption into DNA at 260 to 270 nm wavelengths

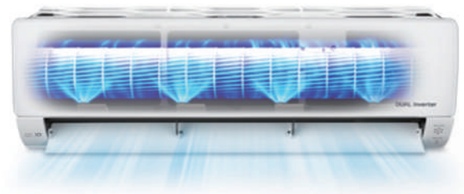
DNA Absorption Efficiency by Wavelength

Electromagnetic Spectrum and Types



Destruction Nuclear Sequence (Chain)





UVC Applied Product

LG Product

Various Product Lines

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

Auto Cleaning

The interior of the air conditioner is maintained clean by drying off the heat exchanger, then cleaning the interior once more.

※ Specifications may vary for each model.

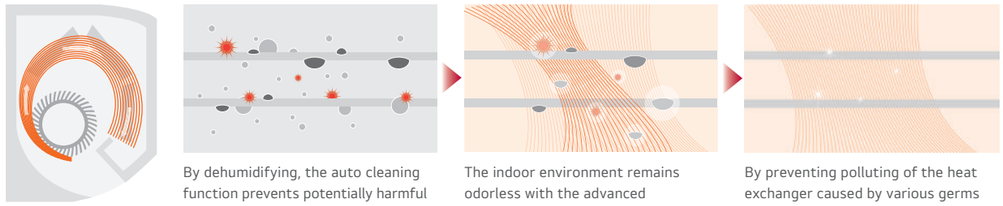
Pain Point

The main cause of odor within air conditioners is mold and bacteria growing on the heat exchanger. These germs can spread when the heat exchanger is wet.

How It Works

Cleans Filter with Regular Air Flow

The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger, providing an enhanced environment.



By dehumidifying, the auto cleaning function prevents potentially harmful substances from forming on the surface of the heat exchanger.

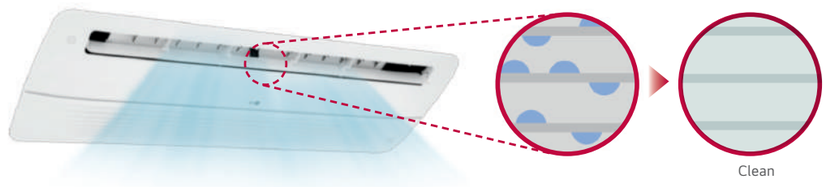
The indoor environment remains odorless with the advanced deodorizing function.

By preventing polluting of the heat exchanger caused by various germs and bacteria.

Benefit

Removes Harmful Particles

Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.



Low Refrigerant Detection

Receive early notifications of low refrigerant levels to safeguard your air conditioner from potential damage.

※ Specifications may vary for each model. ※ Depending on the experimental conditions.
※ When connected to Multi ODU, the Low Refrigerant Detection function may not be supported.

How It Works

Early Detection of Low Refrigerant Levels
The Air Conditioner features an automatic shutdown mechanism upon detecting low refrigerant levels, ensuring proactive protection.

3 Checkpoints for Low Refrigerant Level
1) The heat exchanger temperature is relatively cool.
2) The outdoor unit is functioning correctly.
3) Energy consumption adheres to a standard pattern.

If any of the above conditions are not met, for a maximum of four instances, after 15 minutes of Air Conditioner operation, a low refrigerant level is detected, triggering an automatic shutdown for enhanced system safety.

Capacity and Effectiveness of the Refrigerant Levels

※ This function only works under the following conditions
- Indoor/Outdoor temperature is at least 20°C
- Cooling and dehumidification mode

Benefit

Longer Lifespan for Air Conditioner

When a low refrigerant level is detected, the display alternately shows "CH" and "38" to provide a clear visual indication of the issue.

※ Some models show CH and 38 alternately on the display.

Embedded Wi-Fi

Effortlessly manage your air conditioners using Android or iOS smartphones with the embedded Wi-Fi feature.

※ Specifications may vary for each model.

ThinQ

Download the ThinQ app from Google or Apple app stores.

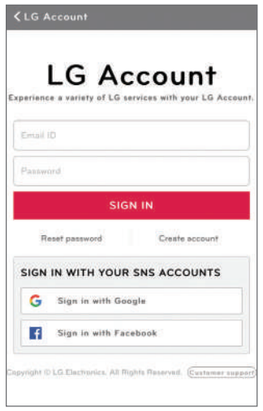
ThinQ™

Download on the App Store GET IT ON Google Play

How It Works

① Turn on "ThinQ" on your air conditioner
Benefit from the embedded Wi-Fi modem and enjoy unlimited innovation.

② Easy Registration and Log-in
Follow the interactive setup steps to activate ThinQ's impressive features by setting up your LG Account.



③Enjoy Unlimited Innovation
Once registered, experience seamless connectivity and explore the innovative features offered through ThinQ.

Wi-Fi Connectivity
Experience individualized comfort with Wi-Fi connectivity. Each family member can customize the air conditioner temperature and fan speed using their app, saving preferences for future use. These personalized settings can be stored for each specific air conditioner.

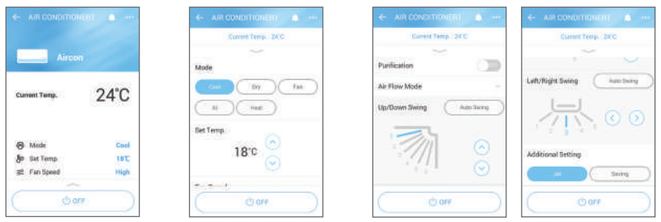
Multiple Devices

Multi-Control

※ Can be controlled by multiple users, but not simultaneously.

Benefit

Simple operation for various functions



Energy Monitoring | Smart Diagnosis | Filter Management

Straight-forward management

Reservation | Energy Monitoring | Smart Diagnosis | Filter Management

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

Integrated Home Appliances Control
Monitor and control your LG appliances from one place.

Access your air conditioner anytime and from anywhere
with a Wi-Fi equipped device and LG's exclusive control app, ThinQ.

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

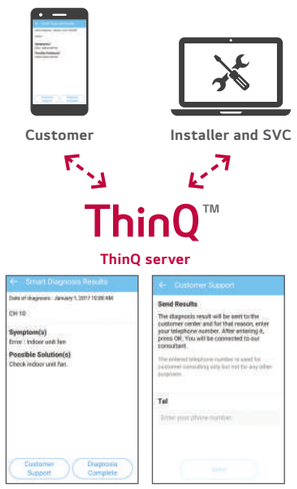
Embedded Wi-Fi Model

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.

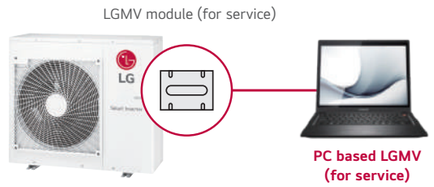
※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

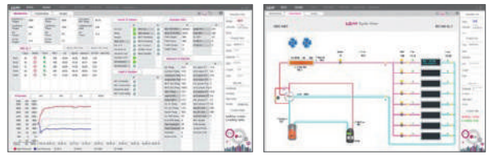
Mobile LGMV (Monitoring View)

LG MV simplifies the inspection (diagnosis) and monitoring of air conditioning units for engineers, allowing easy access through your smartphone or PC.

※ Specifications may vary for each model.

PC Version





Operation Information　　Cycle View

IDU & ODU Information

Cycle & Valves

Sensors & Electricity

Cycle Diagram

Actuator Information

Smartphone Version

Monitoring Data　Diagnosis　Commissioning　Troubleshooting Guide

Technicians can not only review cycle information through diagrams and graphs but can also easily check error statuses (Troubleshooting guide) and take immediate action.

※ For Android or iOS Users: Search for "Mobile LGMV" on Google Play or the Apple Store and proceed with the download.
※ Additional Requirement: A Wi-Fi modem (PWFMDD200) is required as an optional accessory.

Gold Fin™

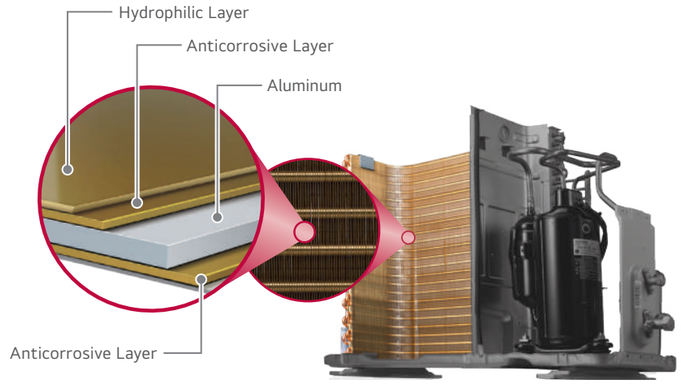
The Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion.

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

How It Works

Corrosion-resistant protective layer

The gold-colored special coating on the fin of the heat exchanger prevents corrosion, extending the life of the unit.



Test Result

Conventional Fin

Gold Fin™

※ Test Condition
- Test standard : ISO9227:2017 , ISO10289:1999, ASTM B 117 Salt spray test
- Test Sample : Al Fin sheet (100μm, 70 X 150 mm) + Organic Coating (1.65g/m²)
- Setting Condition : (35±2)℃, 6.5 ~ 7.2 pH, (5±1)% NaCl salt fog spray, 5000 h
- Test Result : Not More than 0.05% of corrosion area ratio. (over R.N. 9.5)

TÜVRheinland®

TUV Verify that the corrosion improved "Gold II Fin" has less than 0.05% corrosion area after 5000 hours salt spray test. TUV has verified that the corrosion area of Gold Fin™ is not more than 0.05% (over R.N. 9.5)

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				**A09GA2.NSE**	**A12GA2.NSE**
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.60 / 3.70	0.89 / 3.70 / 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	623 / 808	1,057 / 1,078
EER			W/W	4.17	3.5
S.E.E.R.				7.3	7
P design C			kW	2.6	3.7
COP			W/W	4.08	3.71
S.C.O.P		(Average / Warmer)		4.3 / 5.0	4.3 / 5.0
P design H (Average / Warmer)			kW	2.8 / 1.5	2.8 / 1.5
Energy Label (A+++ to D Scale)	Cooling			A++	A++
	Heating	(Average / Warmer)		A+ / A++	A+ / A++
Annual Energy Consumption	Cooling		kWh	124	184
	Heating	(Average / Warmer)	kWh	911 / 413	911 / 413
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	15	15
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				**A09GA2.U18**	**A12GA2.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)	62	62
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 / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675
	Precharged Amount / t-CO_2eq		kg	0.8 / 0.540	0.8 / 0.540
	Chargeless		m	10	10
	Additional Charge		g/m	20	20
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

* : 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