










Air Quality Control

-  NEO Plasma Air Purifying System
-  Triple Air Filter
-  Auto Cleaning
-  Smart Clean
-  One-Touch Air Filter (Anti-Bacteria)



Airflow Control

-  Jet Cool
-  4-Way Auto Swing
-  3-Dimensional Air Flow
-  Vertical Auto Swing
-  4-Way Air Deflection



Comfort Control

-  Low Noise
-  Auto Changeover
-  Healthy Dehumidification
-  Hot Start (Heat pump Only)




Reliability Control

-  Anti Corrosion Gold Fin
-  Auto Restart




Timers

-  Sleep Mode Auto Operation
-  24-Hour ON/OFF Setting Timer

Convenient Function

-  Wireless Remote Controller
-  Reversible-Open-Grille
-  Slide-Out Chassis

Maestro *LIBERO* Function

-  Smart Saving With Eco Eye
-  Optimized Cooling and Heating
-  Allergy Free Filter
-  Moisture Cooling
-  Quick & Easy Installation



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LG Electronics Air Conditioning Marketing

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For continual product development, LG reserves the right to change specifications without notice.
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LG Room Air Conditioners 2009

LG is committed to bring our customers comfort and have produced a large range of air conditioners that do just that. It's all about comfort in the home, and offering you the perfect harmony of stylish design and smart technology that fits your life.



www.lgeaircon.com

Specifications, design and feature in this catalogue are subject to change without prior notice.

EU-RA091

**“Eco-Design, Energy Efficient,
Reduce CO² Emissions”**



Enjoy Clean, Quiet, and Comfortable
Air Conditioning with LG


LG Air Conditioners are environment-friendly & future-oriented.

To reduce freon gas, a prime ozone destroyer, they adopt alternative refrigerant R-410A, and neo plasma air-purifying system for powerful sterilization for health-conscious customers. Also, ARTCOOL series with outstanding designs have received International Forum Design Award, Reddot Design Award and G Mark. They have improved air flow innovatively to realize world's lowest noise, and provide a more pleasant and convenient indoor environment.

Environmental concern 2009

As the concern for environment increases day by day, EC Directive made it a regulation to put an indication on all air conditioning products. With the information regarding energy-saving, customers will easily understand products considering the environment.

Customers will have to purchase the products considering the energy label to meet their needs. Energy label shows the energy consumption of the unit classified with 7 different colors..

Energy		Air-conditioner
Manufacturer Outside unit inside unit		
More efficient		
A		
B		
C		
D		
E		
F		
G		
Less efficient		
Annual energy consumption, kWh in cooling mode <small>(Actual consumption will depend on how the appliance is used and climate)</small>		
Cooling output Full load (the higher the better)	kW	
Energy efficiency ratio		
Type		
Cooling only	—	
Cooling + heating	—	
Air cooled	—	
Water cooled	—	
Heat output	kW	
heating performance A: higher G: lower		
Noise <small>(dB(A) re 1 pW)</small>		
Further information is contained in product brochures		
Air-conditioner Energy Label Directive 2002/31/EC		

Energy Efficiency Class of The Unit In Cooling Mode :

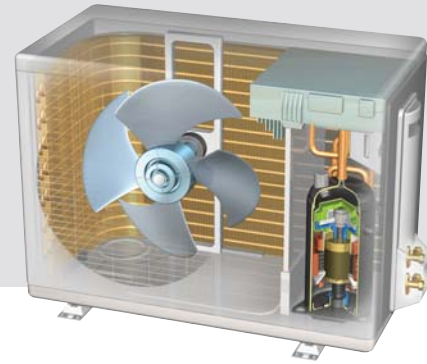
- A** EER > 3.20
- B** 3.20 ≥ EER > 3.00
- C** 3.00 ≥ EER > 2.80
- D** 2.80 ≥ EER > 2.60
- E** 2.60 ≥ EER > 2.40
- F** 2.40 ≥ EER > 2.20
- G** 2.20 ≥ EER

Energy Efficiency Class of The Unit In Heating Mode :

- A** COP > 3.60
- B** 3.60 ≥ COP > 3.40
- C** 3.40 ≥ COP > 3.20
- D** 3.20 ≥ COP > 2.80
- E** 2.80 ≥ COP > 2.60
- F** 2.60 ≥ COP > 2.40
- G** 2.40 ≥ COP



Enjoy Clean, Quiet, and Comfortable Air Conditioning with LG



Unique Features

DC Inverter Technology

You may have heard the excitement about Inverter technology, LG Inverters are the pinnacle of energy efficiency due to the innovative operation. Rather than using a constant speed compressor, the LG Inverter system uses a variable speed compressor, which means the Cooling or Heating capacity of the Air Conditioning can be varied to suit Indoor conditions. This makes the LG Inverter Units more economical & efficient to operate, produce less noise than standard counterparts and contain most superior features on the market. All LG Inverter units have 6 major benefits including premium features like



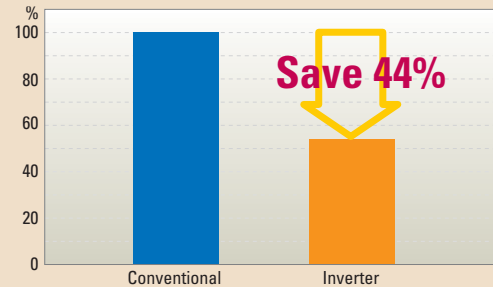
More Economical

LG Inverter can save maximum 44% of energy than other standard air conditioners (fixed speed compressor) and it provides great energy efficiency compared to radiator



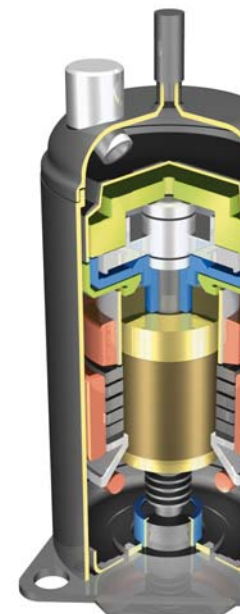
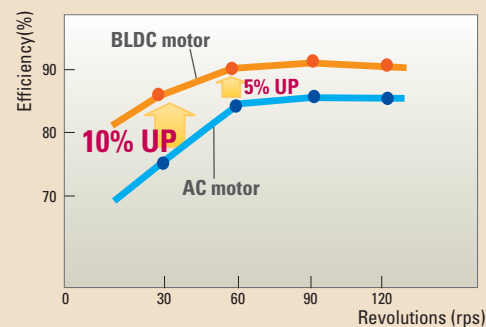
Energy Saving

Unlike ordinary Conventional air conditioners, inverter air conditioners can control the speed of compressors to adjust cooling and heating. When indoor temperatures reach your desired levels, inverter air conditioners can operate their compressors at low speeds and maintain desired temperatures, thus saving you electricity cost by about 44% compared to conventional.



DC Inverter Compressor

The LG inverter air conditioner uses a DC Inverter compressor due to its optimized refrigeration effect, low noise and high efficiency. DC compressor are much more efficient especially at low loads compared with conventional constant speed AC comps.



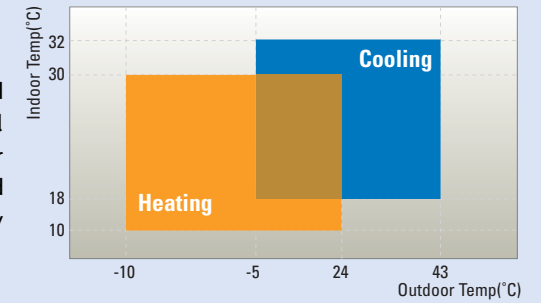
More Powerful

Outstanding Technology of LG Inverter warms up more powerful and faster. No matter how cold the winter is, With LG air conditioner it is always warm and cozy.



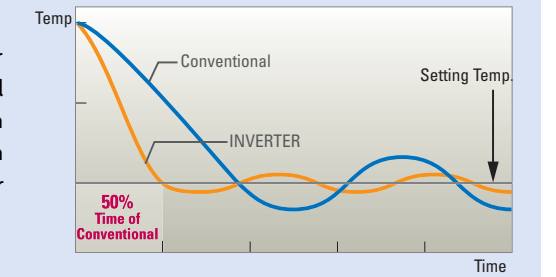
Powerful Cooling & Heating Capacity

With a wide operating range in both heating and cooling modes, inverter air conditioners will cool or heat your room even in extreme outdoor temperature conditions. Heating can be sustained even when the outdoor temperature is -10°C by Inverter technology.



Quick Cooling & Heating

Inverter air conditioners can operate their compressors faster to give them more powerful performance. This results in being able to attain the desired temperature much faster in both heating and cooling modes than conventional air conditioners.



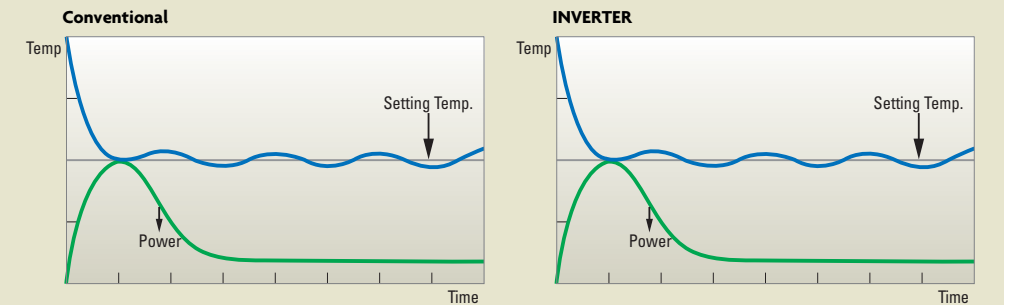
More Comfortable

LG air conditioner reaches the set temperature fast and keeps steady of a room temperature so it is much more comfortable than normal air conditioner



Pleasant Feeling

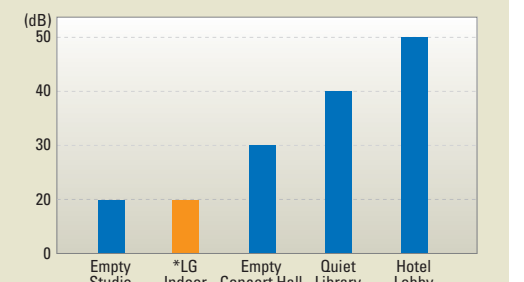
When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly. Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units adjust and constantly vary the compressor speed to maintain the desired temperature with minimal fluctuation to ensure that your comfort is not compromised.



Quiet Operation

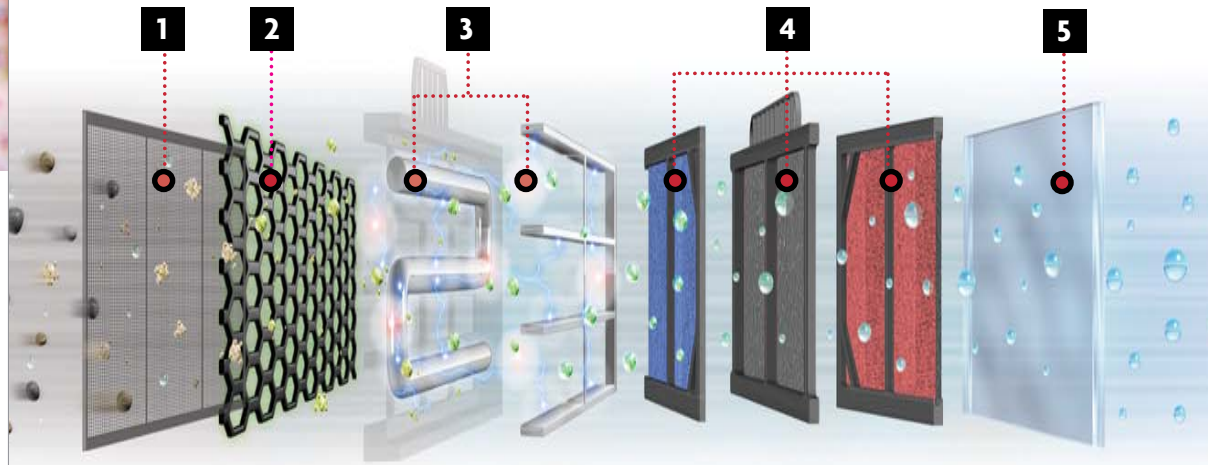
Inverter air conditioners are optimally designed to operate with the minimal noise with the use of a DC compressor.

*LG models(C09AW/C12AW) in sleep mode are only 20dB.

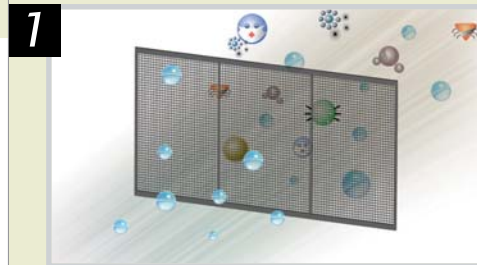


Air Purifying System

LG's unique Air Purifying system is equipped with 7 specialized filters in 5 separate stages to enhance its cleaning power. It reduces fine dust and mould, unpleasant odors and cigarette smoke as air passes each filter.

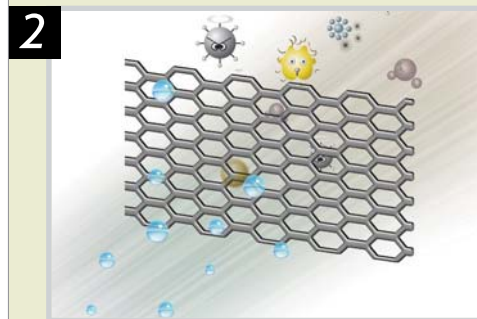


NEO-Plasma



Pre Filter

The antibacterial pre-filter primarily reduces large dust, mold and quilt dust.

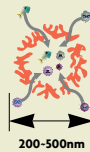


Nano Carbon Filter

The Nano-size carbon filter removes fine odor particles at home for more fresh environment. Therefore, active Carbon filter will be replaced by Nano Carbon Ball filter. This product was also developed by LGE as promotion of the Household & Health Care and it is the first product using Nano technology all around the world. The state of the art Nano technology controls pore size, shape, and their distribution for deodorant effects.

What is Nano Carbon Ball?

Microscopic sized (1/10000000000) filter to ensure optimal filtration of odors.



Plasma Filter

The Plasma air purifying system was initially developed by LG not only reduction of microscopic contaminants and dust, but also removal of house mites, micro dust, and pet fur in order to reduce allergy and asthma symptoms.

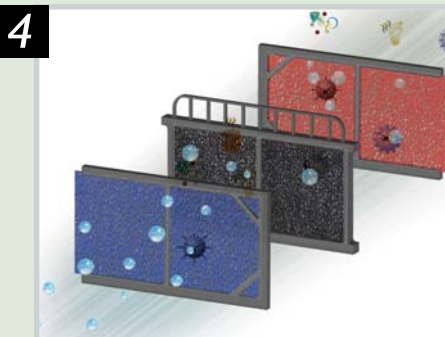


We add a healthy element to the cool, clean wind.

For you who always think of your family's health, LG has further strengthened the wind.

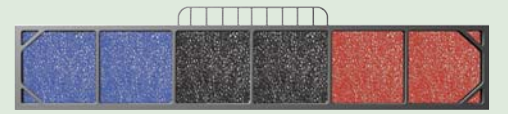


Triple Filter

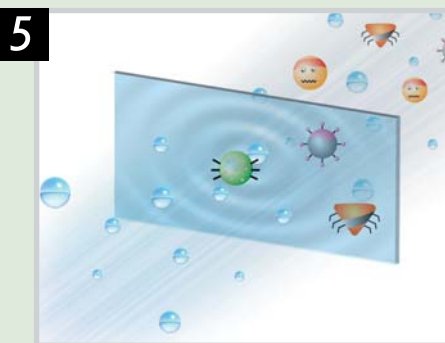


Triple Filter

The triple filter consists of three specialized filters to reduce the symptoms associated with various organic compounds including formaldehyde. It also has the ability to remove unpleasant odors creating a more comfortable environment.

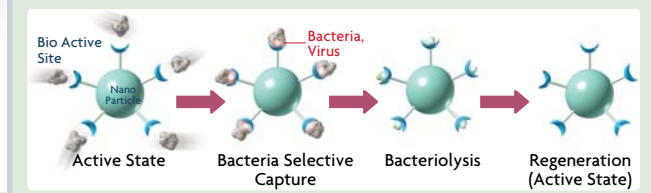


- Red filter removes stench in daily life such as smoke, fish-stink, food-smelling and foot-stink.
- Black filter removes the odor of construction ingredient such as formaldehyde.
- Blue filter removes the chemical substances such as a smell of fresh paint.



Nano Bio Fusion Filter

The Nano bio fusion filter allows its nano-size bio enzymes to directly penetrate through cell walls of bacteria and allergen to decompose into its cell nuclei.



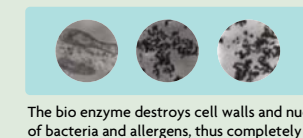
Test Result Certification

Conventional



Simply inactivation of bacteria | Destruction of bacteria but allowing part of them to survive

Nano Bio Fusion Filter

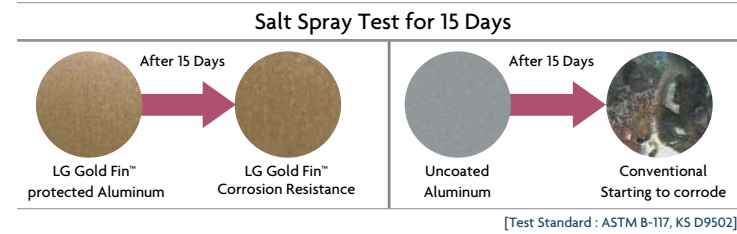


The bio enzyme destroys cell walls and nuclei of bacteria and allergens, thus completely kills bacteria



Anti Corrosion Gold Fin™

LG's Gold Fin is an anti corrosion coating on the surface of the heat exchanger. This ensures that the surface is more resistant to corrosion and increases the durability to help the exchanger perform like new for a much longer period.



Using an outdoor case made of galvanised steel, a metallic grill and electrostatic powder coated screws, LG outdoor units are built to last.

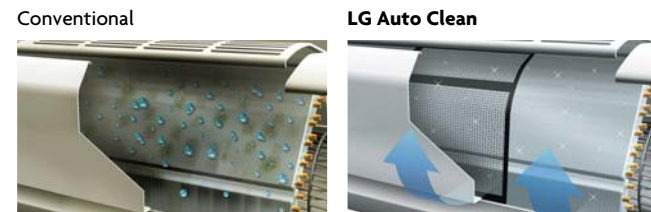
Test Result of Screw & Discharging Grill	
Rusted	Corrosion Resistance
Zinc coated Painted Screw	Electrostatic powder coated screws



Auto Clean

A main cause of air conditioner odors is mould and bacteria that breed in the heat exchanger. The Auto Clean function dries the wet heat exchanger to help prevent mould and bacteria from breeding thus significantly reducing the old rag smell and saves you from frequent cleaning.

1 STEP
Dries the evaporator with gentle low noise air from the fan by removing any remaining moisture.
Pressing the Auto Clean button will activate the automatic cleaning function after the cooling operation.



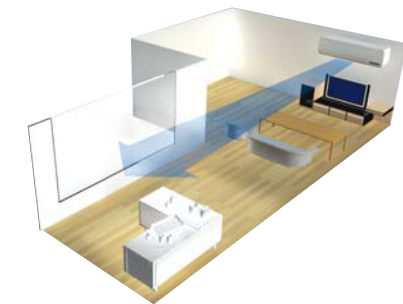
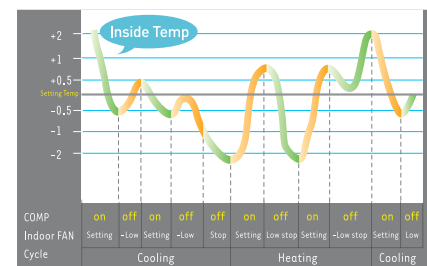
2 STEP
Removes moulds through the Neo Plasma system.
Only the fan will operate to dry the inner part of the air conditioner in just 30 minutes.



Auto Changeover

With heat pump model, cooling and heating operation is changed automatically on the base of setting temp.

- Initial Setting Temp: 18°C Memorize final setting temp.



Jet Cool™

The Jet cool function allows quick cooling. In this mode, strong, cool air is blown at high speed for 30 minutes, until the room temperature reaches 18°C.



Sleep Mode

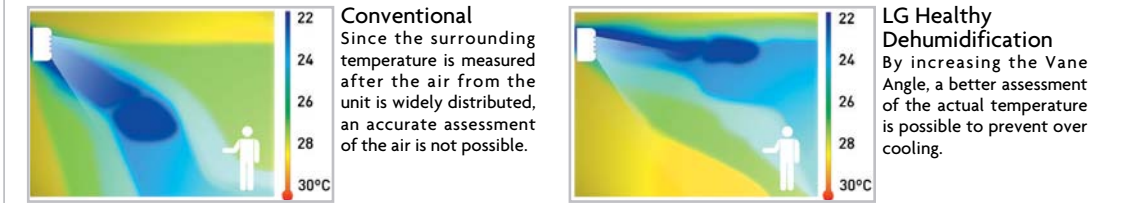
With one touch of the Sleep mode button, it automatically programs the Air Conditioning Unit to turn off, controls the fan speed and adjusts the set temperature for a more comfortable sleep.



Healthy Dehumidification

Dehumidification mode reduces uncomfortable humidity from the room without over cooling.

Indoor Temperature Distribution Chart



Auto Restart Function

In case of a sudden power failure, It automatically sets the A/C to settings before the power failure when power returns.



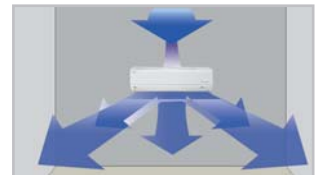
Hot Start Function

During starting of the unit in the heating mode it prevents cold air blowing from the unit. It starts the indoor fan only after indoor unit pipe temperature reaches a preset value (28°C). When indoor unit pipe temperature reaches 28°C, then for initial 1 minute the indoor fan runs at a low speed and after that at the setting speed.



4 Way Auto Swing

Most LG air conditioners automatically distribute the air to eliminate hot and cold patches to keep the room at a more constant temperature.



Ez-Remote Controller

User Friendly & Modern Design and Easy use!!

User Friendly Design

- Comfortable to grab
- Sliding type



Easy Use

- Bigger size button
- Highlighted some buttons with different colors
- Easy to recognize functions with graphics



- Wide LCD
- Neo-Plasma
- Smart Clean (for KLEBIO)
- On/Off Button
- Temperature Setting
- Display Operation Mode
- Set Air Flow (Auto Swing) Up/Down Left/Right
- Jet Cool
- Timer
- Room Temperature
- Energy-Saving Cooling Mode
- Display Screen Brightness
- Auto Clean
- Function Setting (for KLEBIO)



ARTCOOL Inverter

LG ART COOL will certainly beautify your space. World-recognized refined designs will catch your attention. Also, powerful cooling will fascinate you. Fill your space with ART COOL's pleasantly cool breeze and upscale designs.



Changeable Colour Panel

Available in 3 colours that are easy to change. The modern design and premium finish will compliment any interior decor. This makes the LG Inverter Units more economical & efficient to operate, produce less noise than standard counterparts and contain most superior features on the market. All LG Inverter units have 6 major benefits including premium features like



Low Noise Level

The indoor unit has a quiet operational noise level in the sleep mode to offer you peace and quiet for the bedroom or office. For example, LG model C09AWR in sleep mode is only 20dB. In addition, the outdoor units have reduced vibration and noise thanks to a super quiet fan and motor.

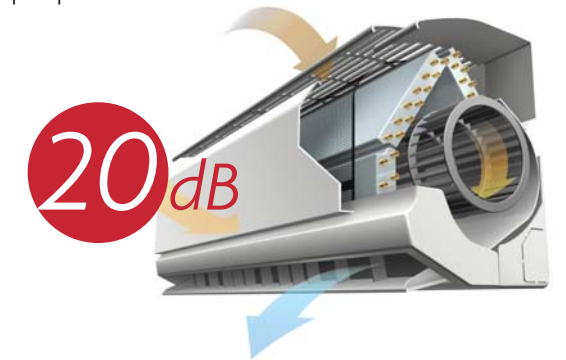
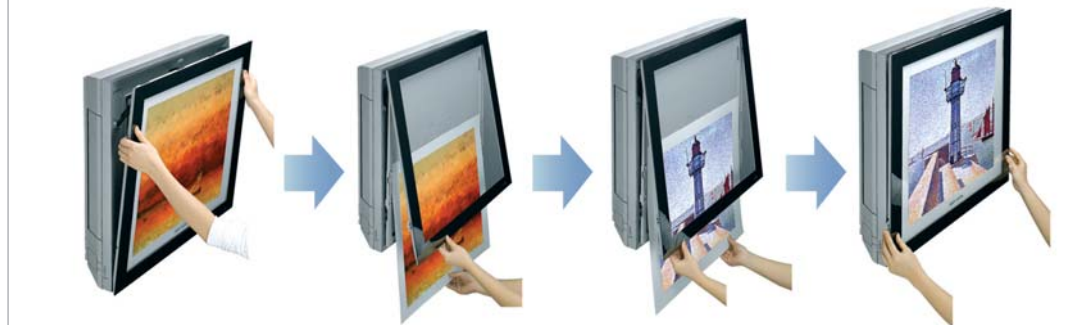


Photo Changeable

You no longer have to be told what your air conditioner should look like. With LG's revolutionary ARTCOOL Photo Changeable, you can simply change the look of your air conditioner to what you want, when you want to.



Pictures are easily changeable at anytime with your own pictures/photos.



3 - Dimensional Air Flow



Designed like a work of art, and the new concept of 3 dimensional air flow. It gives even cooling as well as quick cooling from front and bothsides making the space evenly cool.



A09AW1 NF2 / A12AW1 NF2

- NEO Plasma
- Anti Corrosion Gold Fin
- Auto Cleaning
- Photo Changeable
- 3-Dimensional Air Flow
- Ez Remote Controller



※ Sample



Model	INDOOR UNIT OUTDOOR UNIT		A09AW1 NF2 A09AWU UF2	A12AW1 NF2 A12AWU UF2
Cooling Capacity	(Min/Rating/Max)	W	1,300 / 2,700 / 3,500	1,300 / 3,500 / 4,000
		Btu/hr	4,436 / 9,210 / 11,942	4,436 / 11,940 / 13,648
Heating Capacity	(Min/Rating/Max)	W	1,300 / 3,500 / 4,200	1,300 / 4,200 / 5,000
		Btu/hr	4,436 / 11,940 / 14,330	4,436 / 14,330 / 17,060
Input	Cooling	W	830	1,090
		Heating	960	1,160
Running Current	Cooling	A	3.8	4.9
		Heating	4.4	5.2
Power Supply	ø.V, Hz		1,220-240,50	1,220-240,50
		E.E.R	Cooling	W/W
C.O.P	Heating	Btu/hrW	11.10	10.95
		W/W	3.65	3.62
ENERGY Efficiency Class		Cooling/Heating	A/A	A/A
Noise Level (SoundPress,1m)	Indoor(H/M/L/Sleep)	dB(A)±3	35/29/25/22	39/32/25/23
		Outdoor, Max	48	48
Air Flow	Indoor, Max	m³/min(CFM)	8(283)	9.5(335)
		Outdoor, Max	26(918)	34(1,200)
Dehumidification Rate		l/h	1.2	1.5
Refrigerant charge(R410a)		g	1,000	1,000
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)
		Gas	9.52(3/8)	9.52(3/8)
Dimensions (W*H*D)	Indoor	mm	600x600x146	600x600x146
		Outdoor	mm	770x545x245
Net Weight	Indoor	kg(lbs)	15(33)	15(33)
		Outdoor	kg(lbs)	32(71)

Note: Specifications, design and feature are subject to change without prior notice.



A09AW* NF2 / A12AW* NF2

- NEO Plasma
- Anti Corrosion Gold Fin
- Auto Cleaning
- 3-Dimensional Air Flow
- Ez Remote Controller



Model	INDOOR UNIT OUTDOOR UNIT		A09AW* NF2 A09AWU UF2	A12AW* NF2 A12AWU UF2
Cooling Capacity	(Min/Rating/Max)	W	1,300 / 2,700 / 3,500	1,300 / 3,500 / 4,000
		Btu/hr	4,436 / 9,210 / 11,942	4,436 / 11,940 / 13,648
Heating Capacity	(Min/Rating/Max)	W	1,300 / 3,500 / 4,200	1,300 / 4,200 / 5,000
		Btu/hr	4,436 / 11,940 / 14,330	4,436 / 14,330 / 17,060
Input	Cooling	W	830	1,090
		Heating	960	1,160
Running Current	Cooling	A	3.8	4.9
		Heating	4.4	5.2
Power Supply	ø.V, Hz		1,220-240,50	1,220-240,50
		E.E.R	Cooling	W/W
C.O.P	Heating	Btu/hrW	11.10	10.95
		W/W	3.65	3.62
ENERGY Efficiency Class		Cooling/Heating	A/A	A/A
Noise Level (SoundPress,1m)	Indoor(H/M/L/Sleep)	dB(A)±3	35/29/25/22	39/32/25/23
		Outdoor, Max	48	48
Air Flow	Indoor, Max	m³/min(CFM)	8(283)	9.5(335)
		Outdoor, Max	26(918)	34(1,200)
Dehumidification Rate		l/h	1.2	1.5
Refrigerant charge(R410a)		g	1,000	1,000
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)
		Gas	9.52(3/8)	9.52(3/8)
Dimensions (W*H*D)	Indoor	mm	600x600x146	600x600x146
		Outdoor	mm	770x545x245
Net Weight	Indoor	kg(lbs)	15(33)	15(33)
		Outdoor	kg(lbs)	32(71)

Note: Specifications, design and feature are subject to change without prior notice.



C09AW* NE2 / C12AW* NE2

- NEO Plasma + Triple Filter
- Anti Corrosion Gold Fin
- Auto Cleaning
- Changeable Colour Panel
- Auto Changeover
- Ez Remote Controller



Model	INDOOR UNIT OUTDOOR UNIT		C09AW* NE2 C09AWU UE2	C12AW* NE2 C12AWU UE2
Cooling Capacity	(Min/Rating/Max)	W	890 / 2,630 / 3,699	890 / 3,510 / 4,044
		Btu/hr	3,070 / 9,000 / 12,620	3,070 / 12,000 / 13,800
Heating Capacity	(Min/Rating/Max)	W	890 / 3,600 / 5,000	890 / 4,570 / 5,486
		Btu/hr	3,070 / 12,300 / 17,060	3,070 / 15,600 / 18,720
Input	Cooling	W	650	1090
		Heating	870	1260
Running Current	Cooling	A	3.0	4.8
		Heating	4.0	5.7
Power Supply	ø.V, Hz		1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	4.05	3.22
		Btu/hrW	13.85	11.01
C.O.P	Heating	W/W	4.14	3.63
ENERGY Efficiency Class	Cooling/Heating		A/A	A/A
Noise Level (SoundPress,1m)	Indoor(H/M/L/Sleep)	dB(A)±3	31/27/22/20	37/27/22/20
		Outdoor, Max	45	45
Air Flow	Indoor, Max	m ³ /min(CFM)	10.5(371)	10.5(371)
		Outdoor, Max	27(954)	27(954)
Dehumidification Rate		l/h	1.2	1.5
Refrigerant charge(R410a)		g	1000	1000
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)
		Gas	9.52(3/8)	9.52(3/8)
Dimensions (W*H*D)	Indoor	mm	912x282x165	912x282x165
		Outdoor	770x545x245	770x545x245
Net Weight	Indoor	kg(lbs)	10(22)	10(22)
		Outdoor	32(71)	32(71)

* indicates color of panel (V: Silver, R: Mirror, B: Blue)

Note: Specifications, design and feature are subject to change without prior notice.



C18AW* N81 / C24AW* N81

- NEO Plasma + Triple Filter
- Anti Corrosion Gold Fin
- Auto Cleaning
- Changeable Colour Panel
- Auto Changeover
- Ez Remote Controller



Model	INDOOR UNIT OUTDOOR UNIT		C18AW* N81 C18AWU U81	C24AW* N81 C24AWU U81
Cooling Capacity	(Min/Rating/Max)	W	1,760 / 5,280 / 5,800	3,870 / 7,030 / 7,740
		Btu/hr	6,000 / 18,000 / 19,800	13,200 / 24,000 / 25,500
Heating Capacity	(Min/Rating/Max)	W	1,400 / 6,070 / 6,650	3,370 / 8,440 / 8,880
		Btu/hr	4,800 / 20,700 / 22,700	12,300 / 28,800 / 29,700
Input	Cooling	W	1,640	2450
		Heating	1,770	2900
Running Current	Cooling	A	7.3	11
		Heating	8.3	13
Power Supply	ø.V, Hz		1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	3.22	2.87
		Btu/hrW	10.98	9.8
C.O.P	Heating	W/W	3.43	2.91
ENERGY Efficiency Class	Cooling/Heating		A/B	C/D
Noise Level (SoundPress,1m)	Indoor(H/M/L/Sleep)	dB(A)±3	42/39/36/34	43/40/36/34
		Outdoor, Max	54	55
Air Flow	Indoor, Max	m ³ /min(CFM)	16(565)	20.3(717)
		Outdoor, Max	42(1483)	58(2048)
Dehumidification Rate		l/h	2.1	2.7
Refrigerant charge(R410a)		g	1200	1800
SVC Valve	Liquid	mm(inch)	6.35(1/4)	9.52(3/8)
		Gas	12.7(1/2)	15.88(5/8)
Dimensions (W*H*D)	Indoor	mm	1,170x299x200	1107x299x200
		Outdoor	870x655x320	870x800x320
Net Weight	Indoor	kg(lbs)	14.1(31.09)	14.1(31.09)
		Outdoor	46(101)	60(132)

Note: Specifications, design and feature are subject to change without prior notice.

