















### 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
-  Compatible with Inverter Multi System



## LG Electronics Inc.

**LG Electronics Air Conditioning Marketing**  
20 Yoido-dong, Youngdungpo-gu,  
Yoido P.O.Box 355 Seoul 150-721, Korea  
Phone: 82-2-3777-7990 Fax: 82-2-3777-5136  
<http://www.lge.com>

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](http://www.lgeaircon.com)

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

EU-RA091



“Eco-Design, Energy Efficient,  
Reduce CO<sup>2</sup> Emissions”



Design Award



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, ART COOL 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		kW
Energy efficiency ratio		
<small>Full load (the higher the better)</small>		
Type		
Cooling only		---
Cooling + heating		---
Air cooled		---
Water cooled		---
Heat output		kW
heating performance		
A: higher		B: 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

Contents



### Super Inverter

LG Electronics' products have led the global air conditioner market with excellent performance and innovative design. MAESTRO, a brilliant new addition to LG's lineup, is a high-performance air conditioner with a high COP inverter and excellent design.

#### Maestro

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Super Inverter



### ART COOL 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.

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ART COOL Inverter



### ART COOL

If you are looking for an Air Conditioner that is different from the rest, take the ART COOL Air conditioner. At last you can have an Air Conditioner that looks stylish, innovative and attractive. Every trimming has been added to the refined ART COOL series, including the NEO Plasma Air Purifying System, Gold Fin, and new features like Auto Clean. Suited for smaller rooms like bedrooms & offices the ART COOL Mirror is a welcome change to the conventional styling Air Conditioner.

24page

ART COOL



### Wall Mounted

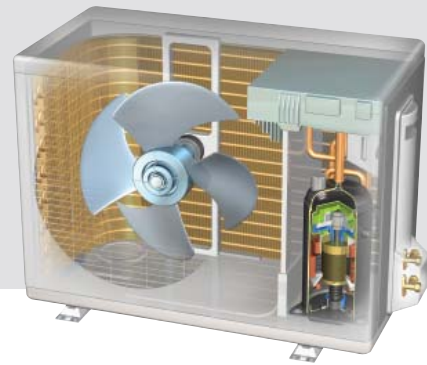
LG Air conditioners are not only made to heat and cool, but our wall mounted splits are renowned for their innovative designs, which compliment any home interior.

28page

Wall Mounted



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



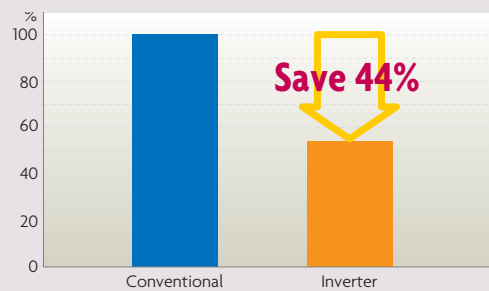
## More Economical

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



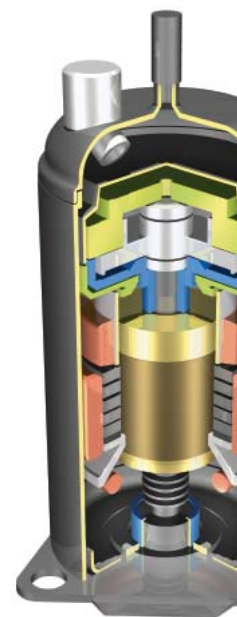
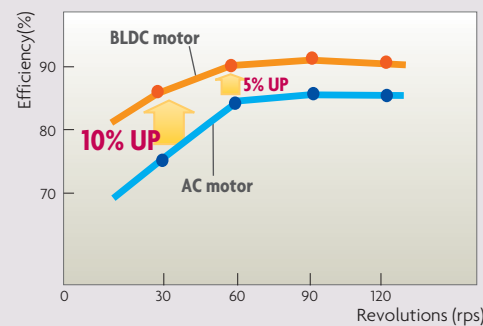
### Energy Saving

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.



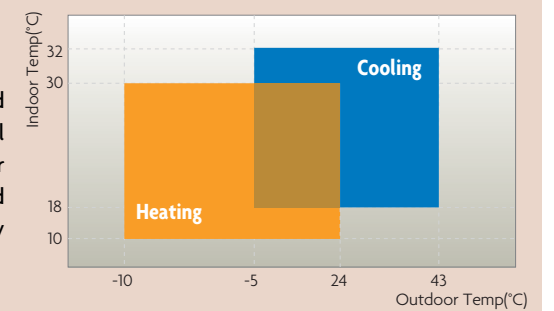
## More Powerful

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.



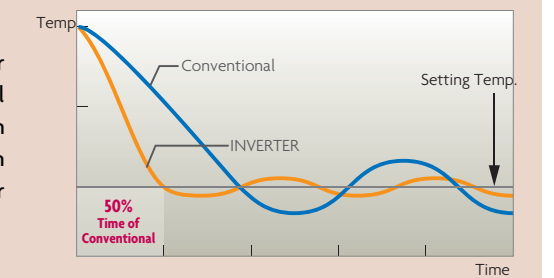
### Powerful Cooling & Heating Capacity

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.



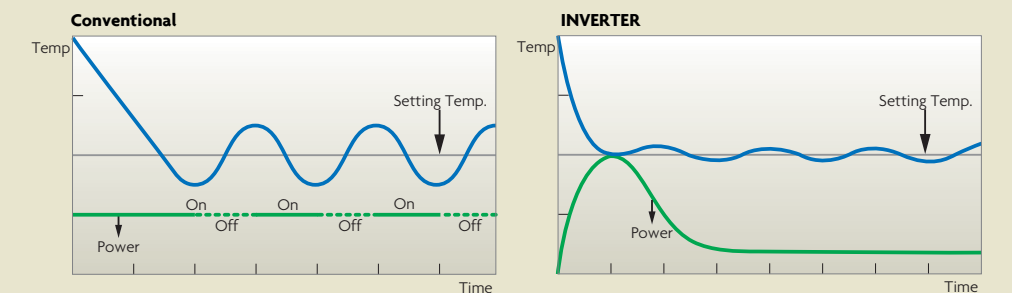
## More Comfortable

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

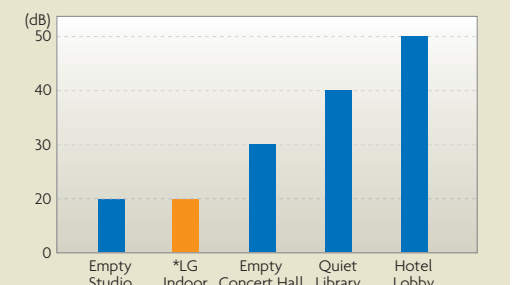
When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly. Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units adjust and 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.

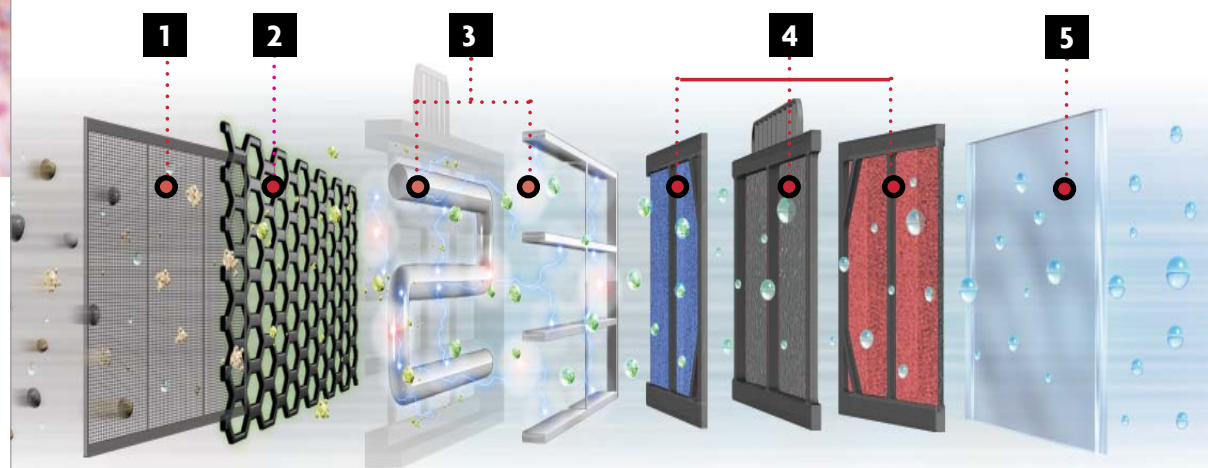
\*LG models(C09AW/C12AW) in sleep mode are only 20dB.



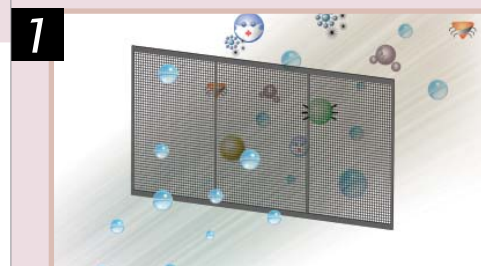


# Air Purifying System

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.

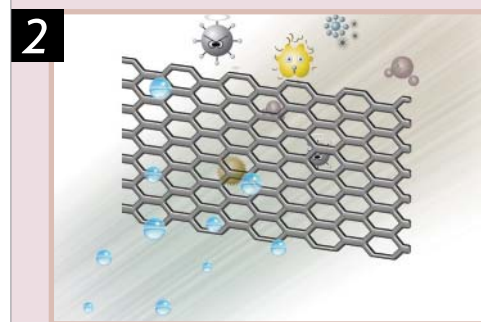


## NEO-Plasma



### 1 Pre Filter

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



### 2 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 (1/1000000000) filter to ensure optimal filtration of odors.



### 3 Plasma Filter

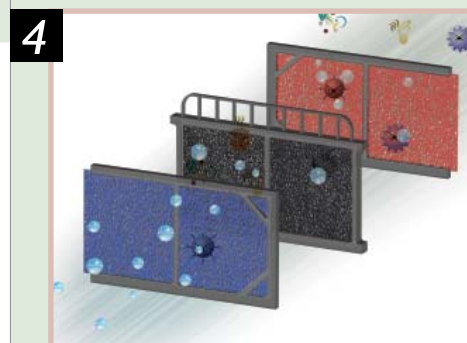
The Plasma air purifying system was initially developed by LG not only reduction of microscopic contaminants and dust, but also removal of house mites, micro dust, and pet fur in order to reduce allergy and asthma symptoms.



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.

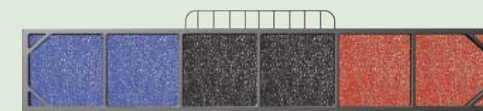


## Triple Filter

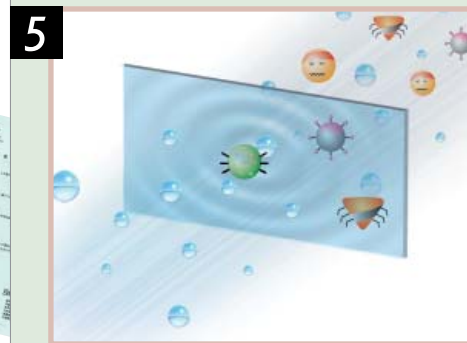


### 4 Triple Filter

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.

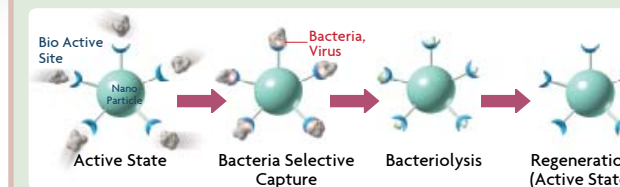


**iRed filter** removes stench in daily life such as smoke, fish-stink, food-smelling and foot-stink.  
**iBlack filter** removes the odor of construction ingredient such as formaldehyde.  
**iBlue filter** removes the chemical substances such as a smell of fresh paint.



### 5 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

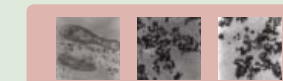


Simply inactivation of bacteria



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



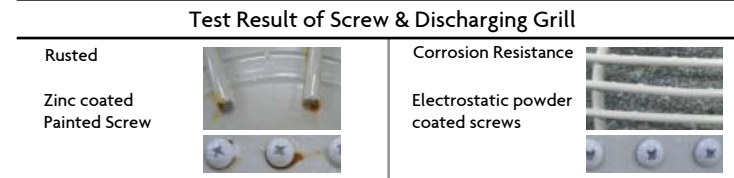


### Anti Corrosion Gold Fin™

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.

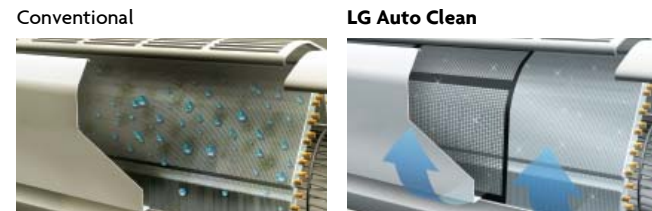


Using an outdoor case made of galvanised steel, a metallic grill and electrostatic powder coated screws, LG outdoor units are built to last.



### 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.

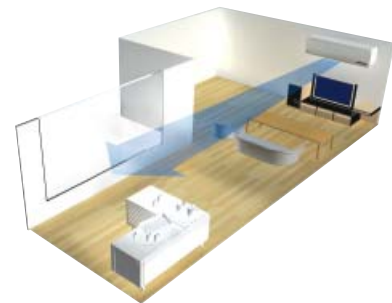
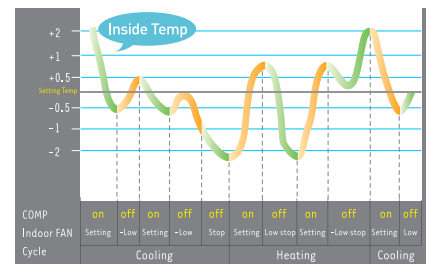
**2 STEP**  
Removes moulds through the Neo Plasma system.  
Only the fan will operate to dry the inner part of the air conditioner in just 30 minutes.



### 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



**Conventional**  
Since the surrounding temperature is measured after the air from the unit is widely distributed, an accurate assessment of the air is not possible.



**LG Healthy Dehumidification**  
By increasing the Vane Angle, a better assessment of the actual temperature is possible to prevent over cooling.



### 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.



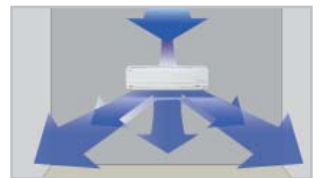
### Hot Start Function

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)





**New**

# Super Inverter

LG Electronics' products have led the global air conditioner market with excellent performance and innovative design. MAESTRO, a brilliant new addition to LG's lineup, is a high-performance air conditioner with a high COP inverter and excellent design.

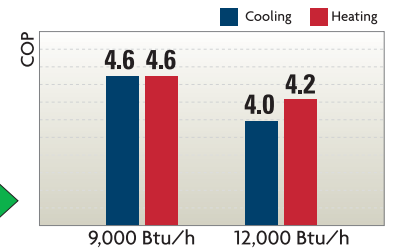
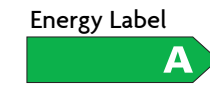
**Maestro**



## Smart Saving with Eco Eye

### High Efficiency

MAESTRO & LIBERO received AA energy label (cooling/heating) and its COP are 4.6/4.6 and 4.0/4.2 for 9k and 12k respectively

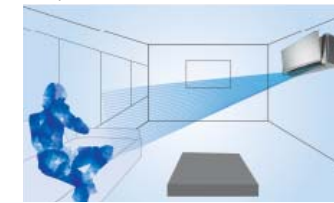


### Eco Eye (only MAESTRO models)

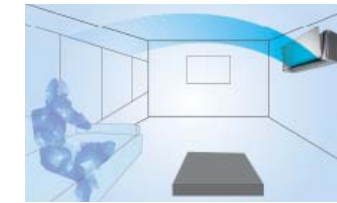
MAESTRO's new feature, 'Eco Eye' saves power consumption by sensing human motion

#### • Customized airflow:

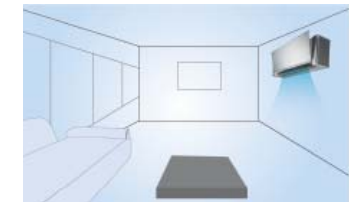
Sends out optimized direct or indirect airflow, which is set according to user's choice, by sensing human temperature and movement.



Direct



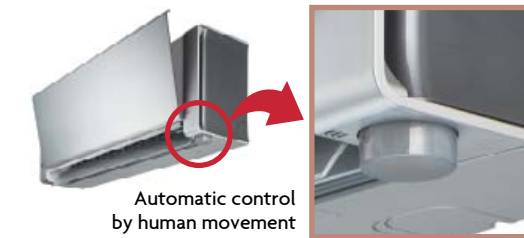
Indirect



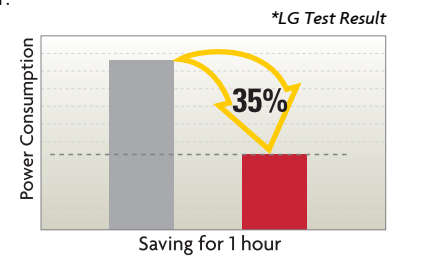
Absence

#### • Smart-save:

- Operates on power-save mode when there is no presence of human being in the zone
- Saves energy by 35 percent when operated on smart-mode for 1 hour.

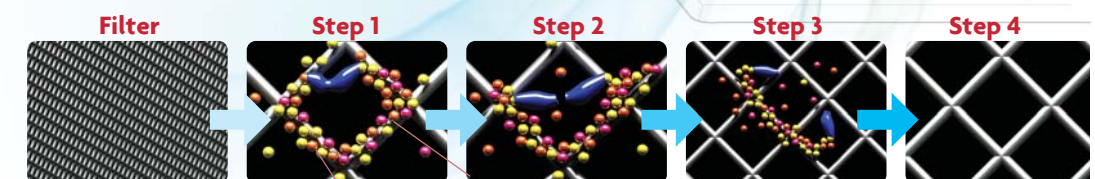


Automatic control by human movement



## Allergy Free Filter

Filter consists of enzyme that breaks down allergen, apatite, and organic/inorganic binder that attaches the enzyme to the filter. When the air passes the filter, allergen clings to the filter and like tiny pairs of scissors the enzymes cut allergen's protein to deactivate the allergen.







## Optimized Cooling and Heating

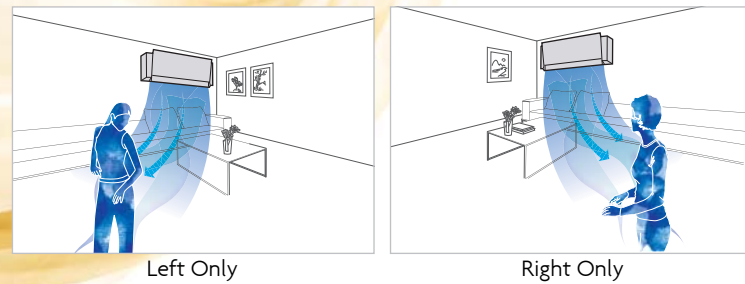
### Optimized two way airflow for cooling and heating

For cooling, the vane is adjusted upwards to let the cold air travel up and air condition a wider area. As for heating, the vane sends the heated air downwards to heat the space from the floor for a pleasant and balanced room temperature.

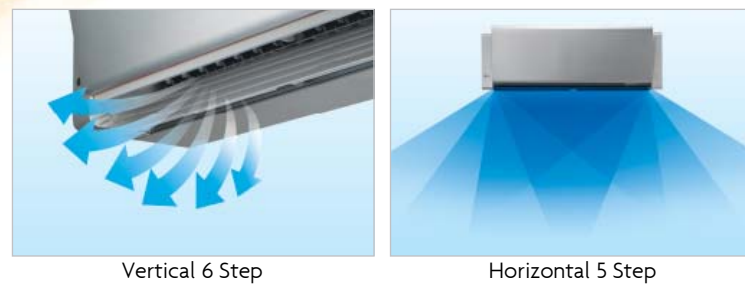


### Stepping control

With vane that can be controlled by various steps, MAESTRO can send airflow in more precision and to a wider zone thus allowing the user to choose the location of indoor unit more freely.

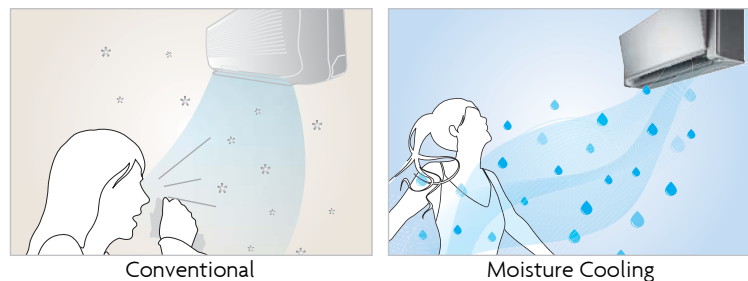


### Vane Stepping



## Moisture Cooling (only Maestro models)

Discomfort caused by dried nose and throat is one of the key reasons for not buying an air conditioner. To overcome this problem, a new operating algorithm was developed for MAESTRO to control not just temperature but also humidity. While other air conditioners remove moisture during operation, MAESTRO reaches the desired temperature while maintaining a comfortable humidity. The function is especially desirable for people with respiratory problems and those concerned with dry skin.

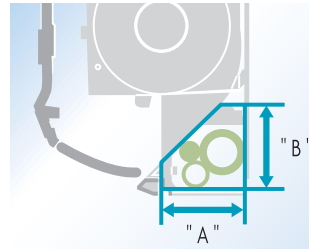


## Quick & Easy Installation

### Sufficient piping space

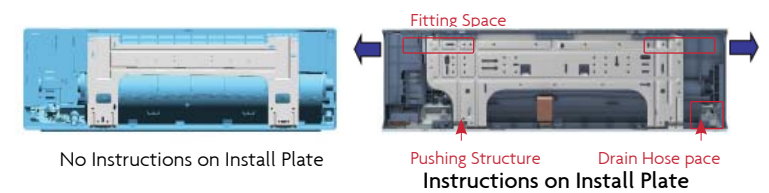
For convenient pipe laying, MAESTRO has wide piping space in comparison to LG's previous models and competitor products.

	LG	Co.A	Co.B	Co.C
A(mm)	67.7	50.0	60.0	45.0
B(mm)	72.0	80.0	70.0	70.0
%	116%	95%	100%	75%



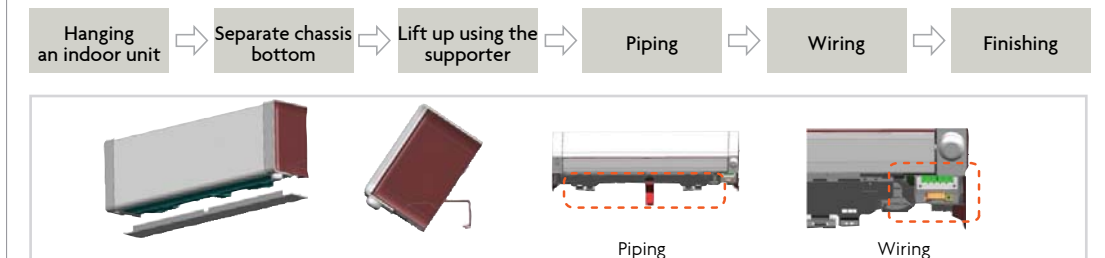
### Installation plate improvement

MAESTRO installation plate is wider and modified to save installation time. The instruction tip engraved in the plate also enables easy installation without having to look through the manual.



### Detachable bottom cover

MAESTRO indoor unit has a detachable chassis bottom and a supporter, which makes installation possible without having to disassemble or support the unit. With LG's patented supporter, installation can be completed by just one person.



### Elevated service valve

For convenient installation in places without balcony, location of service valve has been adjusted upward for workers to reach more easily.





S09AQ NB0 / S12AQ NB0

- Eco Eye
- High Efficiency
- Optimized Cooling and Heating
- Allergy Free Filter
- Moisture Cooling
- Quick & Easy Installation
- Neo Plasma +Triple Filter



Model	INDOOR UNIT		S09AQ NB0	S12AQ NB0
	OUTDOOR UNIT		S09AQU UB0	S12AQU UB0
Cooling Capacity	(Min/Rating/Max)	W	0.89-2.50-3.70	0.89-3.50-4.04
		Btu/hr	3,070-8,530-12,620	3,070-11,900-13,800
Heating Capacity	(Min/Rating/Max)	W	0.89-3.2-5.5	0.89-4.00-6.00
		Btu/hr	3,070-10,920-18,760	3,070-13,600-20,470
Input	Cooling	W	545	875
	Heating	W	700	955
Running Current	Cooling	A	2.4	4.0
	Heating	A	3.1	4.3
Power Supply		ø,V, Hz	1/220-240/50	1/220-240/50
E.E.R	Cooling	W/W	4.6	4.0
		Btu/hrW	15.7	13.6
C.O.P	Heating	W/W	4.6	4.2
ENERGY Efficiency Class	Cooling/Heating		A/A	A/A
Noise Level	Indoor(H/M/L/Sleep)	dB(A)±3	38/33/23/19	39/33/23/19
	Outdoor, Max	dB(A)±3	45	45
Air Flow	Indoor, Max	m <sup>3</sup> /min(CFM)	12(423)	12.0(423)
	Outdoor, Max	m <sup>3</sup> /min(CFM)	33(1,165)	33(1,165)
Dehumidification Rate		l/h	1.1	1.3
Refrigerant charge(R410a)		g	R410A, 1,000(35.3)	R410A, 1,000(35.3)
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas	mm(inch)	9.52(3/8)	9.52(3/8)
Dimensions	Indoor	mm	895*285*195	895*285*195
(W*H*D)	Outdoor	mm	770*545*288	770*545*288
Net Weight	Indoor	kg(lbs)	12(26.5)	12(26.5)
	Outdoor	kg(lbs)	35(77.2)	35(77.2)

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



Outdoor



2.6-3.5kW





# ART COOL 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.



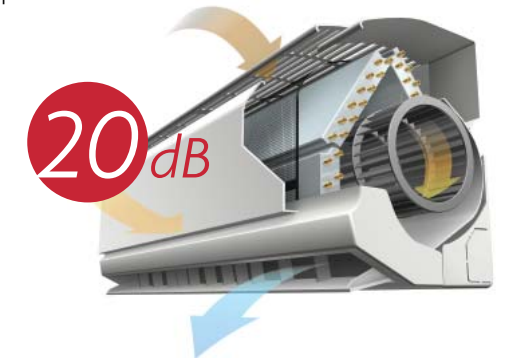
## Changeable Colour Panel

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 ART COOL 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

- Energy-saving • Changeable photo panel • NEO-Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Changeover • Auto Cleaning • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • 3-Dimensional Air Flow
- Wireless Remote Controller (Luminous) • Sleep Mode Auto Operation
- Quiet Operation • Healthy Dehumidification • Auto Restart
- One-Touch Air Filter (Anti-Bacteria) • 24-Hour ON/OFF Setting Timer
- Hot Start • EZ -Remote Controller



### A09AW\* NF2 / A12AW\* NF2

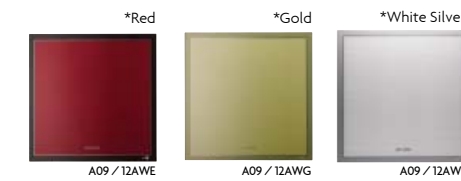
- NEO Plasma
- Anti Corrosion Gold Fin
- Auto Cleaning
- 3-Dimensional Air Flow
- Ez Remote Controller



° Sample



Klumt, Gustav(1862-1918)  
The Kiss-Der Kuss



Model	INDOOR UNIT		A09AW1 NF2	A12AW1 NF2
	OUTDOOR UNIT		A09AWU UF2	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	W	960
Running Current	Cooling	A	3.8	4.9
		Heating	A	4.4
Power Supply	ø,V, Hz		1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	3.25	3.21
		Btu/hrW	11.10	10.95
C.O.P	Heating	W/W	3.65	3.62
ENERGY Efficiency Class	Cooling/Heating		A/A	A/A
Noise Level	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	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.

Model	INDOOR UNIT		A09AW* NF2	A12AW* NF2
	OUTDOOR UNIT		A09AWU UF2	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	W	960
Running Current	Cooling	A	3.8	4.9
		Heating	A	4.4
Power Supply	ø,V, Hz		1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	3.25	3.21
		Btu/hrW	11.10	10.95
C.O.P	Heating	W/W	3.65	3.62
ENERGY Efficiency Class	Cooling/Heating		A/A	A/A
Noise Level	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	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.



Outdoor



2.6-3.5kW



Outdoor



2.6-3.5kW



### C09AW\* NE2 / C12AW\* NE2

- Energy-saving • NEO-Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning • Auto Changeover
- Jet Cool/Jet Heat • Natural Wind By CHAOS Swing
- Auto Restart • Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation • Healthy Dehumidification
- One-Touch Air Filter (Anti-Bacteria) • 24-Hour ON/OFF Setting Timer
- Hot Start • 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	W	870	1260
Running Current	Cooling	A	3.0	4.8
	Heating	A	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	4.34	3.63
ENERGY Efficiency Class	Cooling/Heating		A/A	A/A
Noise Level	Indoor(H/M/L/Sleep)	dB(A)±3	31/27/22/20	37/27/22/20
	Outdoor, Max	dB(A)±3	45	45
Air Flow	Indoor, Max	m <sup>3</sup> /min(CFM)	10.5(37)	10.5(37)
	Outdoor, Max	m <sup>3</sup> /min(CFM)	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	mm(inch)	9.52(3/8)	9.52(3/8)
Dimensions (W*H*D)	Indoor	mm	912x282x165	912x282x165
	Outdoor	mm	770x545x245	770x545x245
Net Weight	Indoor	kg(lbs)	10(22)	10(22)
	Outdoor	kg(lbs)	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.





Outdoor



2.6-3.5kW

### C18AW\* N81 / C24AW\* N81

- Energy-saving • NEO-Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning • Auto Changeover
- Jet Cool/Jet Heat • Natural Wind By CHAOS Swing
- Auto Restart • Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation • Healthy Dehumidification
- One-Touch Air Filter (Anti-Bacteria) • 24-Hour ON/OFF Setting Timer
- Hot Start • 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	2,450
	Heating	W	1,770	2,900
Running Current	Cooling	A	7.3	11
	Heating	A	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	Indoor(H/M/L/Sleep)	dB(A)±3	42/39/36/34	43/40/36/34
	Outdoor, Max	dB(A)±3	54	55
Air Flow	Indoor, Max	m <sup>3</sup> /min(CFM)	16(565)	20.3(717)
	Outdoor, Max	m <sup>3</sup> /min(CFM)	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	mm(inch)	12.7(1/2)	15.88(5/8)
Dimensions (W*H*D)	Indoor	mm	1,170x299x200	1,107x299x200
	Outdoor	mm	870x655x320	870x800x320
Net Weight	Indoor	kg(lbs)	14.1(31.09)	14.1(31.09)
	Outdoor	kg(lbs)	46(101)	60(132)

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





Outdoor



5.3kW 7.0kW





# ART COOL

If you are looking for an Air Conditioner that is different from the rest, take the ART COOL Air conditioner. At last you can have an Air Conditioner that looks stylish, innovative and attractive. Every trimming has been added to the refined ART COOL series, including the NEO Plasma Air Purifying System, Gold Fin, and new features like Auto Clean. Suited for smaller rooms like bedrooms & offices the ART COOL Mirror is a welcome change to the conventional styling Air Conditioner.



## Modern & Luxurious Design

Its premium designs match well with any part of the house.

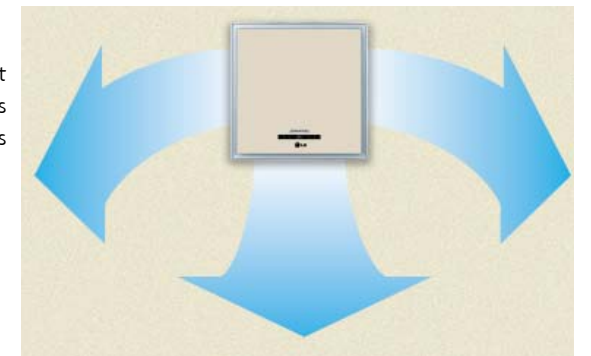
### ART COOL\_Mirror Type

A little interior accent for the modern you. The romantic pastel colors, subdued luster, modern texture and the super slim design of LG ART COOL Mirror are the answers to your unique mood and personality.



## 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.



## Digital Air Flow Control

The air flow can be controlled to ensure that maximum comfort and convenience is realized. You can even have the option of turning off the bottom louver to ensure your utmost comfort.



## Ultra Thin

Technology mixed with sense of art result in the super slim design which is 129mm depth.

*The slimmest in the world!*

129mm



### C09AH\* NU4 / C12AH\* NU5 C18AH\* N33

- NEO-Plasma Air Purifying System • Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat • Natural Wind By CHAOS Swing • 4-Way Auto Swing
- Auto Restart • Wireless Remote Controller (Luminous) • Sleep Mode Auto Operation
- Quiet Operation • Healthy Dehumidification • One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer • Hot Start



Model	INDOOR UNIT OUTDOOR UNIT	C09AH* NU4 C09AHU UU4	C12AH* NU4 C12AHU UU4	C18AH* N33 C18AHU U33
Cooling Capacity	W	2,700	3,520	5,280
	Btu/hr	9,200	12,000	18,000
Heating Capacity	W	2,810	3,720	5,550
	Btu/hr	9,600	12,700	19,000
Input	Cooling W	890	1,140	1,750
	Heating W	840	1,150	1,730
Running Current	Cooling A	4.0	5.1	8.0
	Heating A	3.7	5.2	8.0
Power Supply	ø,V, Hz	1,220-240,50	1,220-240,50	1,220-240,50
E.E.R	Cooling W	3.03	3.09	3.02
C.O.P	Heating W	3.35	3.23	3.21
ENERGY Efficiency Class	Cooling/Heating	B/C	B/C	B/C
Noise Level	Indoor(H/M/L) dB(A)	32/28/26	36/33/29	40/38/36
	Outdoor, Max dB(A)	46	46	53
Air Flow	Indoor, Max m <sup>3</sup> /min	8	9.5	13
	Outdoor, Max m <sup>3</sup> /min	26	26	42
Dehumidification Rate l/h		1.2	1.5	2.0
Refrigerant charge(R410a)	g	760	880	1,210
SVC Valve	Liquid mm	6.35	6.35	6.35
	Gas mm	9.52	9.52	12.7
Dimensions (W*H*D)	Indoor mm	1030x290x153	1030x290x153	1170x315x173
	Outdoor mm	575x525x260	770x540x245	870x555x320
Net Weight	Indoor kg	9.5	9.5	13
	Outdoor kg	23	31	64

\* indicates color of panel (M: Metal, R: Mirror, D: Wood, B: Blue, W: White Wood)

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



Outdoor



### A09AH\* NP4 / A12AH\* NP4

- NEO-Plasma Air Purifying System • Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat • Natural Wind By CHAOS Swing
- 3-Dimensional Air Flow • Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation • Healthy Dehumidification
- Auto Restart • One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer • Hot Start



Model	INDOOR UNIT OUTDOOR UNIT	A09AH* NP4 A09AHU UP4	A12AH* NP4 A12AHU UP4
Cooling Capacity	W	2,640	3,460
	Btu/hr	9,000	11,800
Heating Capacity	W	2,640	3,580
	Btu/hr	9,000	12,200
Input	Cooling W	860	1,150
	Heating W	910	1,200
Running Current	Cooling A	3.9	5.1
	Heating A	4.1	5.3
Power Supply	ø,V, Hz	1,220-240,50	1,220-240,50
E.E.R	Cooling W	2.90	2.98
C.O.P	Heating W	3.07	3.01
ENERGY Efficiency Class	Cooling/Heating	B/D	B/D
Noise Level	Indoor(H/M/L/Sleep) dB(A)	35/30/26	42/34/28
	Outdoor, Max dB(A)	46	46
Air Flow	Indoor, Max m <sup>3</sup> /min	7.5	9
	Outdoor, Max m <sup>3</sup> /min	26	26
Dehumidification Rate l/h		1.2	1.5
Refrigerant charge(R410a)	g	870	880
SVC Valve	Liquid mm	6.35	6.35
	Gas mm	9.52	12.7
Dimensions (W*H*D)	Indoor mm	570x568x129	570x568x129
	Outdoor mm	770x540x245	770x540x245
Net Weight	Indoor kg	12	12
	Outdoor kg	31	31

\* indicates color of panel (M: Metal, D: Wood, B: Blue, W: White Wood)

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



Outdoor







# Wall Mounted

LG Air conditioners are not only made to heat and cool, but our wall mounted splits are renowned for their innovative designs, which compliment any home interior.

## Easy Quick Clean System

LG Split Systems are designed with simple cleaning in mind. The grille is completely detachable and access is made simple with the upward opening cover panel.

**1 Ez-Detachable Grille**  
All that needs to be cleaned can be removed. Now, it is much easier to clean your air conditioner.



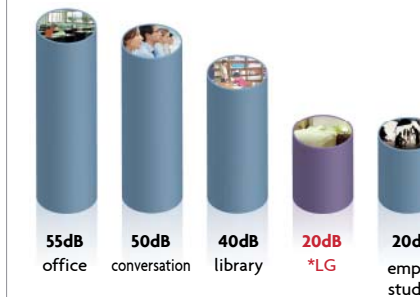
**2 Ez-Cleaning Filter**  
Filters must be kept clean at all times to ensure optimum operation but previously were difficult to open and clean. The LG Ez-Cleaning Filter is designed for easy handling and cleaning.

**3 Auto Clean Operation**  
Moisture in the evaporator can increase the presence of germs and fungi. The Auto Clean Operation can reduce moisture for a fresh, soft, and dry condition.



## Quiet Operation

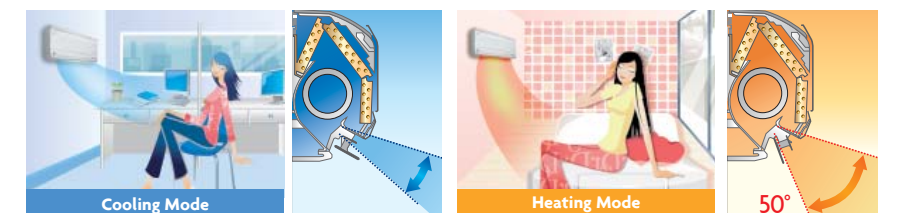
The indoor unit has a quiet operational noise of 26dB in the sleep mode to offer you peace and quiet for the bedroom or office. In addition, the outdoor units have drastically reduced vibration and noise thanks to a super quiet fan and motor and an innovative anti noise mechanism.



- 1. Less noise with a three-layer, anti-noise mechanism**  
The anti noise mechanism blocks the noise from the fan and motor.
- 2. No-grille front panel**  
The full face panel reduces noise from the evaporator.
- 3. Conveniently attaches to the wall**  
The double-tubing cover addresses space problems between the wall and the air conditioner.

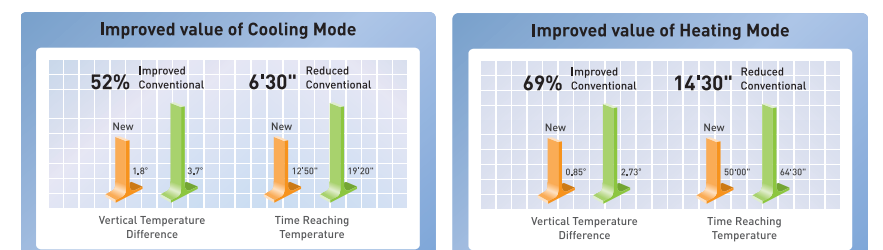
## Optimized Cooling & Heating Air Flow

The air vanes will be adjusted according to the mode of operation. In heating mode air will be distributed at a lower angle due to hot air rising.



## Even & Fast Air flow

LG Electronics' air conditioner improves the difference between high and low indoor temperatures. It allows you to reach your desired temperatures even faster.





**S09AT SE2S / S12AT SE2S  
S18AT S52S**

- NEO Plasma + Triple Filter
- Anti Corrosion Gold Fin
- Auto Cleaning
- Auto Changeover
- Wireless Remote Controller



Model	INDOOR UNIT OUTDOOR UNIT		S09AT SE2S S09AT UE2	S12AT SE2S S12AT UE2	S18AT S52S S18AT U52
Cooling Capacity	(Min./Rating/Max)	W	890 / 2,630 / 3,699	890 / 3,510 / 4,044	1,760 / 5,280 / 5,800
		Btu/hr	3,070 / 9,000 / 12,620	3,070 / 12,000 / 13,800	6,000 / 18,000 / 19,800
Heating Capacity	(Min./Rating/Max)	W	890 / 3,600 / 5,000	890 / 4,570 / 5,486	1,400 / 6,070 / 6,650
		Btu/hr	3,070 / 12,300 / 17,060	3,070 / 15,600 / 18,720	4,800 / 20,700 / 22,700
Input	Cooling	W	650	1090	1640
		Heating	W	870	1260
Running Current	Cooling	A	3.0	4.8	7.3
		Heating	A	4.0	5.7
Power Supply		ø.V, Hz	1,220-240,50	1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	4.05	3.23	3.22
		Btu/hrW	13.85	11.01	10.98
C.O.P	Heating	W/W	4.14	3.63	3.43
		Btu/hrW			
ENERGY Efficiency Class	Cooling/Heating		A/A	A/A	A/B
Noise Level	Indoor(H/M/L)	dB(A)±3	31/27/22/20	37/27/22/20	42/39/36/34
		Outdoor, Max	45	45	55
Air Flow	Indoor, Max	m <sup>3</sup> /min(CFM)	8.5(300)	9.5(335)	16(565)
		Outdoor, Max	29(1,024)	29(1,024)	42(1483)
Dehumidification Rate		l/h	1.2	1.5	2.1
Refrigerant charge(R410a)		g	1000	1000	1200
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
		Gas	9.52(3/8)	9.52(3/8)	12.7(1/2)
Dimensions (W*H*D)	Indoor	mm	895*282*188	895*282*188	1,090*300*200
		Outdoor	770*545*245	770*545*245	870*655*320
Net Weight	Indoor	kg(lbs)	8(17.6)	13(29)	17(37)
		Outdoor	32(71)	32(71)	46(101)

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



Outdoor



**S09AHP S42 / S12AHP SE2  
S18AHP S52 / S24AHP S52**

- NEO-Plasma Air Purifying System • Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool • Natural Wind By CHAOS Swing • Auto restart
- Wireless Remote Controller • Sleep Mode Auto Operation
- Healthy Dehumidification • 24-Hour ON/OFF Setting Timer
- Self Diagnosis • 4-way Auto Swing
- Deodorizer • Hot Start



Model	INDOOR UNIT OUTDOOR UNIT		S09AHP S42 S09AHP U42	S12AHP SE2 S12AHP U42	S18AHP S52 S18AHP U52	S24AHP S52 S24AHP U52
Cooling Capacity	(Min./Rating/Max)	W	2,785	3,519	5,337	6,392
		Btu/hr	9,500	12,000	18,200	21,800
Heating Capacity	(Min./Rating/Max)	W	2,873	3,753	5,718	6,832
		Btu/hr	9,800	12,800	19,500	23,300
Input	Cooling	W	866	1,090	1,820	2,390
		Heating	W	841	1,100	1,950
Running Current	Cooling	A	4.0	5.0	8.2	10.5
		Heating	A	4.0	5.1	8.9
Power Supply		ø.V, Hz	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	3.21	3.23	2.93	2.67
		Btu/hrW	10.96	11.00	10.0	9.12
C.O.P	Heating	W/W	3.42	3.41	2.93	2.79
		Btu/hrW				
ENERGY Efficiency Class	Cooling/Heating		A/B	A/B	C/D	D/E
Noise Level	Indoor(H/M/L)	dB(A)ffl3	35/33/30	41/36/32	40/37/33	45/40/35
		Outdoor, Max	47	49	54	55
Air Flow	Indoor, Max	m <sup>3</sup> /min(CFM)	6.8(240)	9(317)	13(459)	16(566)
		Outdoor, Max	25(882)	25(882)	42(1483)	42(1483)
Dehumidification Rate		l/h	1.2	1.5	2.5	2.5
Refrigerant charge(R410a)		g	930	930	1,270	1,600
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
		Gas	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)
Dimensions (W*H*D)	Indoor	mm	840x270x155	911x282x172	1,082x297x195	1,082x297x195
		Outdoor	770x540x245	770x540x245	870x655x320	870x655x320
Net Weight	Indoor	kg(lbs)	7(15.4)	7(15.4)	11.6(25.5)	11.6(25.5)
		Outdoor	36(79)	25(55)	59(129)	60(132)

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



Outdoor





**K09AH N41 / K12AH NEO  
K18AH N51 / K24AH N51**

- Jet Cool • Anti Corrosion Gold Fin • Natural Wind By CHAOS Swing
- Auto restart • Wireless Remote Controller • Sleep Mode Auto Operation
- Healthy Dehumidification • 2-way Auto Swing • 7-Hour ON/OFF Setting Timer
- Self Diagnosis • Hot Start



Model	INDOOR UNIT OUTDOOR UNIT	K09AH N41 K09AH U41	K12AH NEO K12AH UE0	K18AH N51 K18AH U51	K24AH N51 K24AH U51
Cooling Capacity	W	2,785	3,519	5,337	6,392
	Btu/hr	9,500	12,000	18,200	21,800
Heating Capacity	W	2,873	3,753	5,718	6,832
	Btu/hr	9,800	12,800	19,500	23,300
Input	Cooling W	866	1,090	1,820	2,390
	Heating W	841	1,100	1,950	2,450
Running Current	Cooling A	4.0	5.0	8.2	10.5
	Heating A	4.0	5.1	8.9	10.5
Power Supply	ø,V, Hz	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
E.E.R	Cooling W/W	3.21	3.23	2.93	2.67
	Btu/hrW	10.96	11.00	10.0	9.12
C.O.P	Heating W/W	3.42	3.41	2.93	2.79
ENERGY Efficiency Class	Cooling/Heating	A/B	A/B	C/D	D/E
Noise Level (SoundPress,1m)	Indoor(H/M/L/Sleep) dB(A)±3	35/33/30	39/35/32	40/37/33	45/40/35
	Outdoor, Max dB(A)±3	47	49	54	55
Air Flow	Indoor, Max m³/min(CFM)	6.8(240)	9(317)	13(459)	16(566)
	Outdoor, Max m³/min(CFM)	25(882)	25(882)	42(1483)	42(1483)
Dehumidification Rate	l/h	1.2	1.5	2.5	2.5
Refrigerant charge(R410a)	g	930	930	1,270	1,600
SVC Valve	Liquid mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas mm(inch)	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)
Dimensions (W*H*D)	Indoor mm	840x270x180	911x282x172	1,082x297x223	1,082x297x223
	Outdoor mm	770x540x245	770x540x245	870x655x320	870x655x320
Net Weight	Indoor kg(lbs)	7(15.4)	7(15.4)	11.6(25.5)	11.6(25.5)
	Outdoor kg(lbs)	36(79)	25(55)	59(129)	60(132)

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



Outdoor



2.8-3.6kW

5.3-7.0kW

**ES-H096JLA0 / ES-H126LLA0**

- Jet Cool • Anti Corrosion Gold Fin • Natural Wind By CHAOS Swing
- Auto restart • Wireless Remote Controller • Sleep Mode Auto Operation
- Healthy Dehumidification • 2-way Auto Swing • 7-Hour ON/OFF Setting Timer
- Self Diagnosis • Hot Start



Model	INDOOR UNIT OUTDOOR UNIT	ES-H096JLA0	ES-H126LLA0
Cooling Capacity	W	2,640	3,520
Heating Capacity	W	2,730	3,670
Input	Cooling W	910	1,170
	Heating W	870	1,190
Running Current	Cooling A	4.0	5.3
	Heating A	3.8	4.9
Power Supply	ø,V, Hz	1,220-240,50	1,220-240,50
E.E.R	Cooling W	2.90	3.00
	Heating W	3.20	3.36
ENERGY Efficiency Class	Cooling/Heating	C/C	B/B
Noise Level (SoundPress,1m)	Indoor dB(A)	31	31
	Outdoor dB(A)	46	47
Air Flow	Indoor, Max m³/h	400	520
	Outdoor, Max m³/h	1500	1500
Dehumidification Rate	l/h	1.0	1.5
Refrigerant charge (R410a)	g	650	940
SVC Valve	Liquid mm	6.35	6.35
	Gas mm	9.52	9.52
Dimensions (W*H*D)	Indoor mm	802x262x165	888x287x170
	Outdoor mm	575x540x262	770x540x245
Net Weight	Indoor kg	6.2	8.7
	Outdoor kg	28	35

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



Outdoor



2.8-3.6kW

5.3-7.0kW

Memo

Memo





**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
-  Compatible with Inverter Multi System