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LG Residential Air Conditioners 2011

Enjoy Clean, Quiet, and Comfortable Air Conditioning with LG. It's all about comfort in the home, and offering you the perfect harmony of stylish design and smart technology that fits your life.



Vitalizing You & Your Er

Vitalize with **Good Air**

In today's modern world, optimal living often comes at the expense of causing harm to the environment. Yet our health and well being are two values that should never be compromised.

LG remains committed to providing reliable and energy-efficient air conditioning solutions for both your family and business so that you can live better without worrying about hurting Mother Nature.

Thanks to our innovative technology, our air conditioners are safe to use for your home and deliver cost-effective solutions for your office environment.

At LG we pride ourselves in protecting the planet. From production to disposal we use only eco-friendly refrigerants and components to ensure our products keep the earth green for generations to come.

Comfortable living in a sustainable world that is at the heart of every LG product.



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		
Annual energy consumption, kWh in heating mode		
Cooling output		
Energy efficiency ratio		
Type		
Heat output		
Noise		
Further information is contained in product brochures		

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

Design Award



International Forum Design



reddot design award



Good Design Mark

Eco-Design, Energy Efficient Reduce CO2 Emissions



LG Residential Air Conditioners

2011 Model Line-up

ARTCOOL Gallery <small>INVERTER V</small>	ARTCOOL <small>INVERTER V</small>	Maestro <small>INVERTER V</small>	NOVA <small>INVERTER V</small>	HERO <small>INVERTER V</small>	Big capa <small>INVERTER V</small>	BIO
						
A09AW* 2.5 Kw A12AW* 3.5 Kw	CA09AW* 2.5 Kw CA12AW* 3.5 Kw CA18AW* 5.3 Kw CA24AW* 7.0 Kw	S09AQ 2.5 Kw S12AQ 3.5 Kw	E09SQ 2.5 Kw E12SQ 3.5 Kw E18SQ 5.3 Kw E24SQ 7.0 Kw	CS09AF 2.5 Kw CS12AF 3.5 Kw	S30AW 8.8 Kw S36AW 10.5 Kw	K09AH 2.5 Kw K12AH 3.5 Kw K18AH 5.3 Kw K24AH 7.0 Kw

Design Concept	High Tech & Modern		Simple & Clear				
	2.5 Kw	Cooling A/Heating A	Cooling A / Heating A (4.6) (4.6)	Cooling A/Heating A (4.6) (4.6)	Cooling A/Heating A (4.2) (4.2)	Cooling A/Heating A (4.1) (4.1)	Cooling A/Heating B
	3.5 Kw	Cooling A/Heating A	Cooling A / Heating A (4.0) (4.2)	Cooling A/Heating A (4.0) (4.2)	Cooling A/Heating A (3.5) (3.8)	Cooling A/Heating A (3.3) (3.7)	Cooling A/Heating B
	5.3 Kw		Cooling A / Heating A (3.5) (3.8)		Cooling A/Heating A (3.5) (3.8)		Cooling C/Heating D
	7.0 Kw		Cooling A / Heating A (3.2) (3.6)		Cooling A/Heating A (3.2) (3.6)		Cooling D/Heating E
	8.8 Kw						Cooling B/Heating C
10.5 Kw						Cooling B/Heating C	
Air Flow	Optimized 2 way air flow for cooling & Heating						
	Direction control	3D air flow	Vertical 6 step/Horizontal 5 step		Auto swing/stop		
Filter Clean	Allergy Free Filter	BAF Certification					
	Ez Washable filter						
	Plasma Filter						
	Triple Filter						
Indoor Noise Level "Only 9k,12k"	World Lowest noise level 19dB				20dB		
Installation & SVC	Quick & Easy Installation (with supporter)						

LG Residential Air Conditioners



A09AW* 2.5 Kw
A12AW* 3.5 Kw

CA09AW* 2.5 Kw
CA12AW* 3.5 Kw
CA18AW* 5.3 Kw
CA24AW* 7.0 Kw

S09AQ 2.5 Kw
S12AQ 3.5 Kw

E09SQ 2.5 Kw
E12SQ 3.5 Kw
E18SQ 5.3 Kw
E24SQ 7.0 Kw

CS09AF 2.5 Kw
CS12AF 3.5 Kw

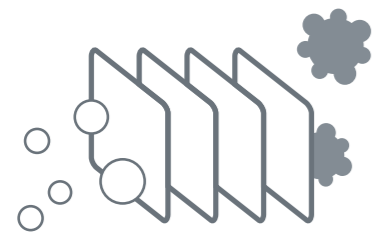
S30AW 8.8 Kw
S36AW 10.5 Kw

K09AH 2.5 Kw
K12AH 3.5 Kw
K18AH 5.3 Kw
K24AH 7.0 Kw

Feature Category	Feature Name	Air Conditioner Models							
		A09AW*/A12AW*	CA09AW*/CA12AW*/CA18AW*/CA24AW*	S09AQ/S12AQ	E09SQ/E12SQ/E18SQ/E24SQ	CS09AF/CS12AF	S30AW/S36AW	K09AH/K12AH/K18AH/K24AH	BIO
Virus Safe	Plasma Filter	●	●	●	-	-	●	●	
	Auto Cleaning	●	●	●	●	●	●	●	
Allergy Safe	Allergy Free Filter	-	●	●	-	●	-	-	
	Triple Filter	-	●	●	●	●	●	-	
Small Away	NCB Filter	-	●	●	●	-	-	-	
	2 Way Swing	●	-	-	●	●	-	●	
Comfortable air conditioning	4 Way Swing	-	●	●	-	-	●	●	
	Horizontal Vane Step Control	-	●	●	-	-	-	-	
	Vertical Louver Step Control	-	●	●	-	-	-	-	
	Energy Saving Cooling Mode	●	●	●	●	●	●	-	
	Jet Cool	●	●	●	●	●	●	●	
	Wireless Remote Controller	●	●	●	●	●	●	●	
	Sleep Mode Auto Operation	●	●	●	●	●	●	●	
	24 Hour On/off setting Timer	●	●	●	●	●	●	●	
	Anti Corrosion Glod Fin	●	●	●	●	●	●	●	
	Auto Restart	●	●	●	●	●	●	●	
Reliable air conditioning	Multi System	-	●	-	●	●	●	●	

Contents

Solution for Better Life



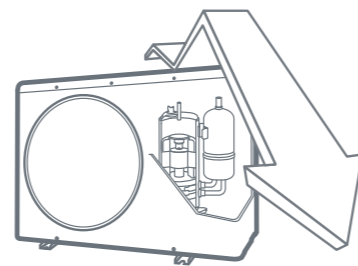
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UNIQUE FEATURES

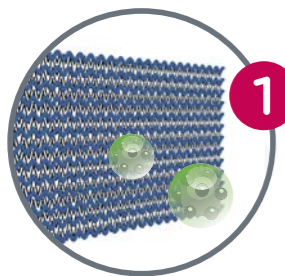
Healthy Air

LG 4-way protection system

LG is recognized throughout the globe for its innovative technology. With its revolutionary "4-Way Protection System" the company continues to lead the industry, delivering reliable Air Conditioning technology that exceeds customer expectations in terms of health and safety.

LG introduces an enhanced protection system that goes beyond industry standards to keep you and your family safe and secure through a series of four unique stages: capturing, eliminating, ionizing and cleaning to help prevent the spread of harmful viruses.

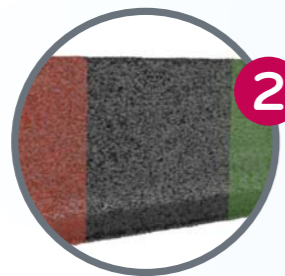
Keep your home environment safe for you and your family. With LG, you can rest assured that your health is in good hands.



1 Filtering

Introducing its breakthrough Virus & Allergy Safe filter, the new LG Air conditioning system captures harmful airborne viruses including H1N1.

» Allergy & Virus safe filter



2 Deodorizing

LG's Triple filter consists of 3 different organic compound filters that eliminate unpleasant odors, keeping your home feeling fresh all the time.

» Triple filter



3 Eliminating

Its Plasma filter eliminates germs by burning microscopic dust particles through its patented electric field.

» Plasma filter



4 Auto Cleaning

LG's Auto cleaning system prevents moisture build-up through advanced ventilation technology that prevents the proliferation of bacteria and germs while removing unpleasant odors.

» Auto Cleaning

UNIQUE FEATURES

Healthy Air

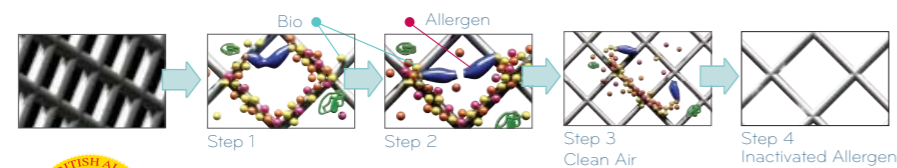
Filtering

Dust floating in the air is sucked into the air conditioner and caught in the air filter



Virus & Allergy Safe 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.



BAF Certification



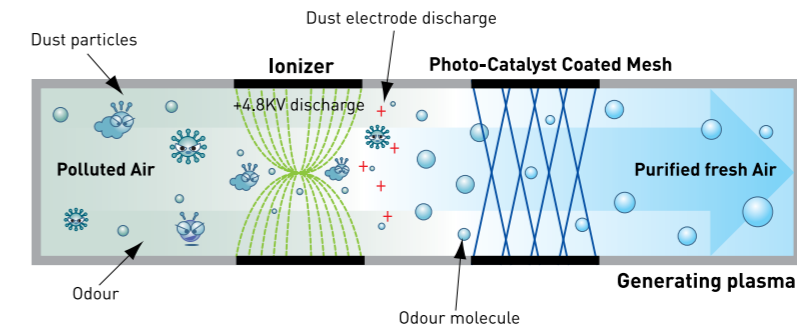
Eliminating

Tiny dust is burned and eliminated when it is captured by electric field



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.



Deodorizing

Its Plasma filter eliminates germs by burning microscopic dust particles through its patented electric field.



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.

- 1 VOC filter removes odor and hazardous VOCs that is discharged from household materials made with chemical substances (carpet, paint, cleaners, furniture, etc.) (VOC= Volatile Organic Chemical)
- 2 Formaldehyde filter cuts off formaldehyde, a leading cause of new-house syndrome, and prevents dermatitis, vomiting, and pneumonia
- 3 Common odor filter removes ordinary odors that cause migraine and chronic fatigue

Auto Cleaning

Air conditioner is kept clean not to develop germs by self cleaning



Auto Cleaning

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.



1st Step

Dries the evaporator with soft, low-noise wind and removes remaining moisture. Press "Auto Clean" and the function starts after cooling operation.



2nd Step

Removes the source of mold once again with neo plasma plus system. In 30 minutes, "Auto Clean" dries the inner part of air conditioners' indoor unit.

UNIQUE FEATURES

Economical

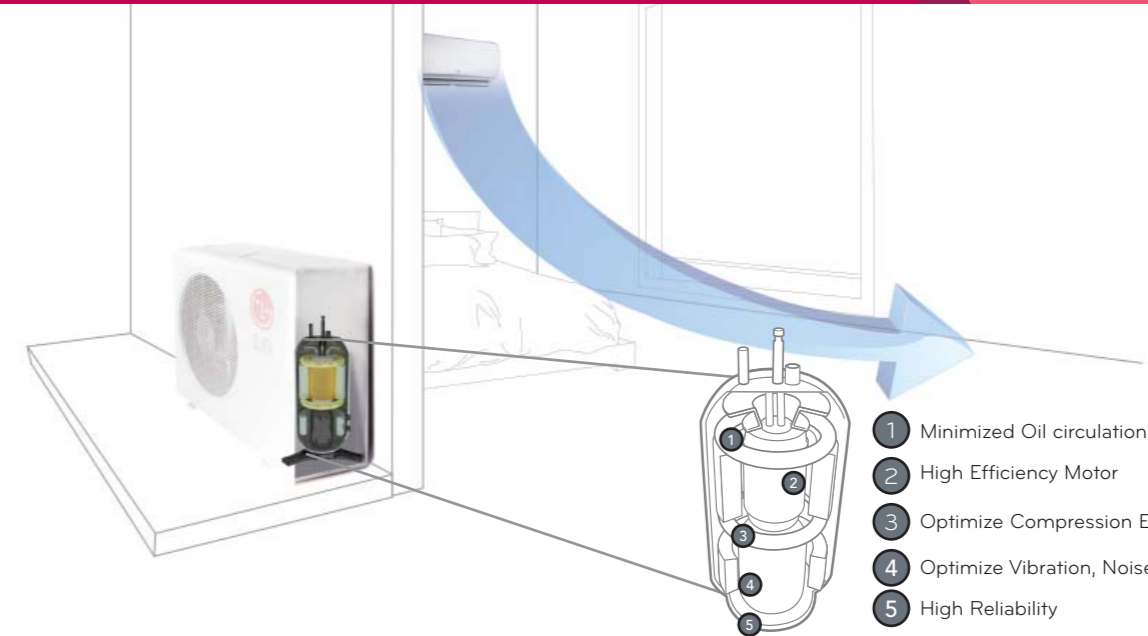


DC Inverter Technology

Inverter technology controls both the speed of the motor and the compressor simultaneously. By eliminating stop-start cycles, efficiency is significantly increased, extending the life of individual components.

Ultimately, with the help of such advancement in technology, inverter air conditioners are less prone to breakdowns, cheaper to run, and the outdoor compressor is generally quieter than standard air conditioning units.

LG revolutionary Inverter technology boasts powerful yet silent performance while minimizing energy consumption by as much as 60%.



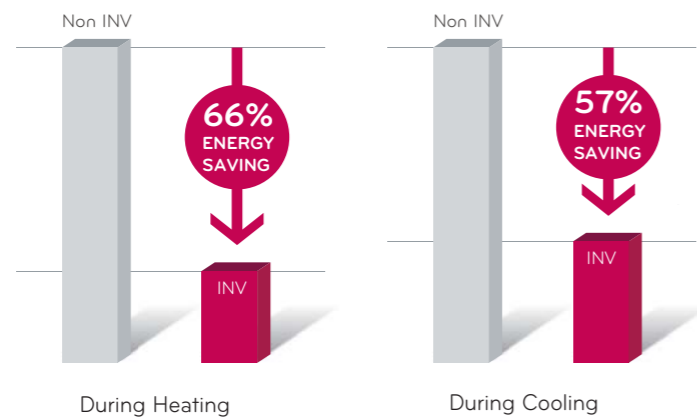
Energy Saving

Up to 66% in energy savings with LG's reliable DC Inverter Technology

To drastically reduce the damaging effects of global warming, heat pump products have been receiving a considerable amount of attention recently for their energy-saving effects.

In fact, inverter heat pump products have significantly higher energy efficiency than constant-speed, non-inverter units. As a result, LG DC Inverter products can help you save up to 57% of the energy in cooling and 66% in heating operation.

Furthermore, by using an energy-efficient inverter product, you no longer have to worry about harmful CO2 emissions.



Inverter model : S12AQ & CS12AQ / Non Inverter model : S12AHP
 1) Comparison of cumulative electricity consumption during heating to reach setting temperature (LG in-house comparison) Test conditions - Outdoor temperature : 4°C / Setting temperature : 23°C
 2) Comparison of cumulative electricity consumption during 2 month of cooling (LG in-house comparison) Test conditions - Setting temperature : 27°C



More Strong

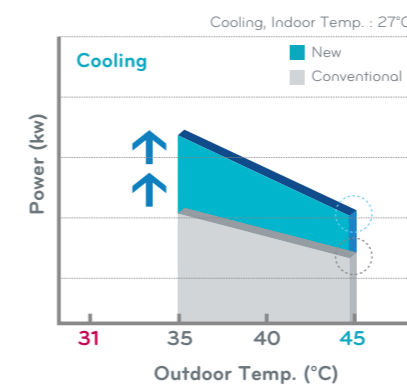
Powerful BLDC Compressor

The LG inverter air conditioner comes with a BLDC compressor that uses a strong neodymium magnet. Its compressor thus has improved efficiency compared with AC inverter.

Enhanced maximum cooling and heating performance

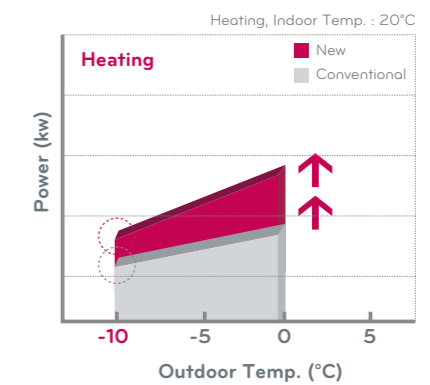
LG's New DC Inverter has further enhanced the basic cooling and heating performance, eliminating your worries over the sizzling summer weather and the freezing winter weather. The cooling performance has improved by 15%, and the heating performance has been enhanced by 30%.

15% improved (Conventional contrast)



• Despite the outside bad conditions in summer, the air conditioner with enhanced performance can secure cooling temperatures.

30% improved (Conventional contrast)



• Even at the outside temperature of -10°C, the air conditioner can secure heating capabilities.

UNIQUE FEATURES

Comfort in Silence



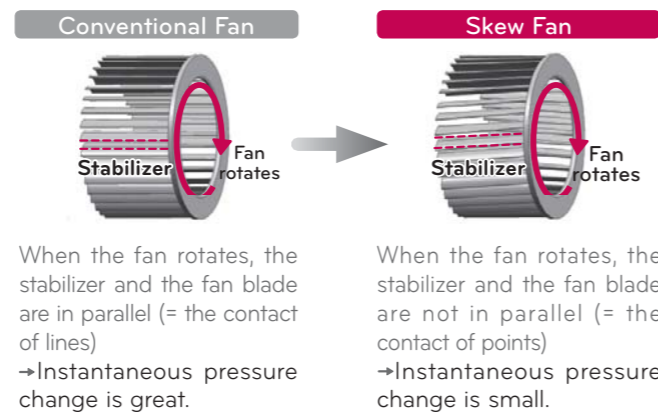
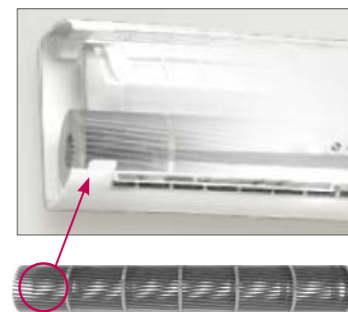
Silent

Skew Fan technology a breakthrough in silent function

Inverter technology, BLDC Motor technology, and LG's unique new Skew Fan technology have unanimously achieved the world's lowest noise level of 19dB. Thanks to its revolutionary Sleep Mode function, your home environment will remain undisturbed.



Minimal noise. Enhanced stillness. LG's new advanced indoor air conditioner units grant you just the peace of mind you long for.



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 temperature for a more comfortable sleep.

UNIQUE FEATURES

Quick & Easy Installation

Quick & Easy Installation

LG's 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.



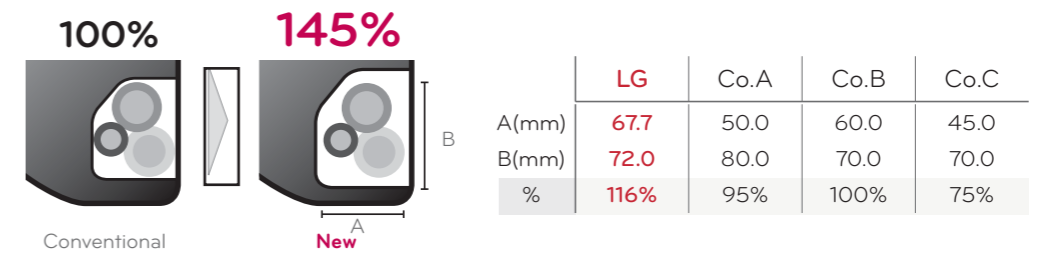
Installation support clip

Installation support clip makes installation easier



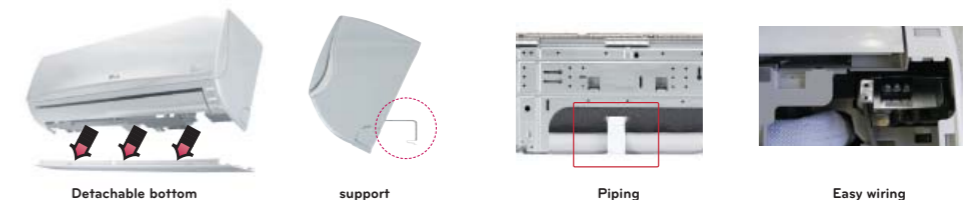
Bigger tubing space

Wider installation space can make you installation much easier.



Detachable bottom cover

LG's 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.



ARTCOOL

ARTCOOL Gallery **INVERTER V** Beyond Efficiency

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



A09AW1 A12AW1

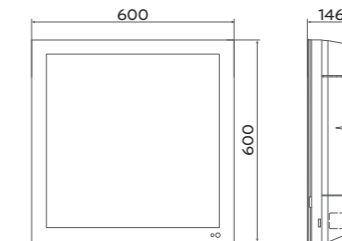
- NEO Plasma
- Anti Corrosion Gold Fin
- Auto Cleaning
- Photo Changeable
- 3-Dimensional Air Flow
- Ez Remote Controller



Sample



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



2.6-3.5kW

Specifications

Model	INDOOR UNIT		OUTDOOR UNIT		A09AW1 NF2	A09AWU UF2	A12AW1 NF2	A12AWU UF2
	Cooling Capacity					kW	1.30-2.70-3.50	1.30-3.50-4.00
Heating Capacity					kW	1.30-3.50-4.20	1.30-4.20-5.00	1.30-4.20-5.00
Low Temp. Heating Capacity(-7°C)					kW	-	-	-
Power Input	Cooling/Heating				W	830/960	1090/1160	1090/1160
EER					W/W	3.25	3.21	3.21
COP					W/W	3.65	3.62	3.62
Annual energy consumption	Cooling			kWh		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply					Ø / V / Hz	8	10.5	10.5
Air Flow Rate	Indoor,Max			m ³ /min		26	34	34
Sound Pressure Level	Indoor,H/M/L			dB(A)±3		35 / 29 / 25 / 23	39 / 32 / 25 / 23	39 / 32 / 25 / 23
	Outdoor,Max			dB(A)±3		48	48	48
Sound Power Level	Indoor,Max			dB(A)		-	-	-
	Outdoor,Max			dB(A)		-	-	-
Operation Range	Cooling(Outdoor)			°C		-	-	-
	Heating(Outdoor)			°C		-	-	-
Compressor					Type	Rotary	Rotary	Rotary
Fan(Indoor)	Motor Output				W	-	-	-
Fan(Outdoor)	Motor Output				W	43	43	43
Running Current	Cooling/Heating				A	3.8 / 4.4	4.9 / 5.2	4.9 / 5.2
Starting Current	Cooling/Heating				A	4.5 / 5.2	5.7 / 6.9	5.7 / 6.9
Max Current	Cooling/Heating				A	-	-	-
Circuit Breaker*					A	15	15	15
Power Supply Cable					No.*mm ²	-	-	-
Power and Transmission Cable No.*mm ²					No.*mm ²	-	-	-
Refrigerant & Charge (at 7.5 m)					g	-	-	-
Additional Refrigerant charge					g/m	-	-	-
Piping Connections	Liquid Side			mm(in)		6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side			mm(in)		9.52(3/8)	9.52(3/8)	9.52(3/8)
Piping Length (Min/Max)					m	-	-	-
Max. Elevation Difference					m	-	-	-
Drain Hose(O.D / I.D.)					mm	21.5 / 16.0	21.5 / 16.0	21.5 / 16.0
Dimensions	Indoor (WxHxD)			mm		660x660x146	660x660x145	660x660x145
	Outdoor (WxHxD)			mm		770x545x245	770x540x245	770x540x245
Net Weight	Indoor			kg		15	14	14
	Outdoor			kg		32	34	34

Note: 1. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB / 19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
 - Outdoor Temperature 35°C DB / 24°C WB - Outdoor Temperature 7°C DB / 6°C WB

2. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

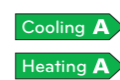
ARTCOOL

INVERTER V

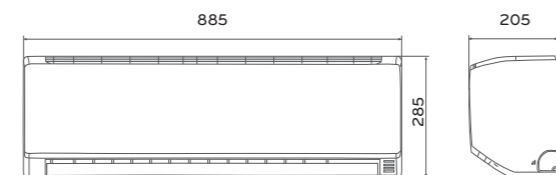
Beyond Efficiency

CA09AW* CA12AW*

- High Efficiency
- Optimized Cooling and Heating
- Allergy Free Filter
- Quick & Easy Installation
- Plasma +Triple Filter
- Compatible with Inverter Multi System



(V= Silver / W= White)

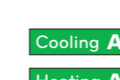


2.6-3.5kW



CA18AW* CA24AW*

- High Efficiency
- Optimized Cooling and Heating
- Allergy Free Filter
- Quick & Easy Installation
- Plasma +Triple Filter
- Compatible with Inverter Multi System



(V= Silver / W= White)



2.6-3.5kW



Specifications

Model	INDOOR UNIT OUTDOOR UNIT	CA09AWR NBO S09AQU UBO	CA12AWR NBO S12AQU UBO
Cooling Capacity		0.89-2.50-3.70	0.89-3.50-4.04
Heating Capacity		0.89-3.2-5.00	0.89-4.0-6.00
Low Temp. Heating Capacity(-7°C)		3.20	3.80
Power Input	Cooling/Heating	550/700	880/960
EER		4.55	3.98
COP		4.6	4.17
Annual energy consumption	Cooling	275	440
Power Supply	Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	Indoor,Max	12	12
	Outdoor,Max	33	33
Sound Pressure Level	Indoor,H/M/L	38 / 33 / 23 / 19	39 / 33 / 23 / 19
	Outdoor,Max	45	45
Sound Power Level	Indoor,Max	57	57
	Outdoor,Max	65	65
Operation Range	Cooling(Outdoor)	-10-48	-10-48
	Heating(Outdoor)	-10-24	-10-24
Compressor	Type	Rotary	1P Rotary
Fan(Indoor)	Motor Output	20	20
Fan(Outdoor)	Motor Output	43	43
Running Current	Cooling/Heating	2.4 / 3.1	4.0/4.3
Starting Current	Cooling/Heating	2.4 / 3.1	4.0/4.3
Max Current	Cooling/Heating	10.0	10.0
Circuit Breaker*		15	15
Power Supply Cable	No.*mm ²	3*1.0	3*1.0
Power and Transmission Cable No.*mm ²		4*1.0 (Including Earth)	4*1.0
Refrigerant & Charge (at 7.5 m)	g	R410A, 1,000(35.3)	R410A, 1,000
Additional Refrigerant charge	g/m	20	20
Piping Connections	Liquid Side	6.35(1/4)	6.35(1/4)
	Gas Side	9.52(3/8)	9.52(3/8)
Piping Length (Min/Max)	m	2 / 20	2 / 20
Max. Elevation Difference	m	10	10
Drain Hose(O.D / I.D.)	mm	21.5 / 16.0	21.5 / 16.0
Dimensions	Indoor (WxHxD)	885x285x205	885x285x205
	Outdoor (WxHxD)	770x545x288	770x545x288
Net Weight	Indoor	10	10
	Outdoor	34	34

Note: 1. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB / 19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB / 24°C WB - Outdoor Temperature 7°C DB / 6°C WB
2. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

Specifications

Model	INDOOR UNIT OUTDOOR UNIT	CA18AWR NCO S18AQU UCO	CA24AWR NCO S24AQU UCO
Cooling Capacity		0.9 - 5.2 - 6.0	0.90-7.03-8.65
Heating Capacity		0.9 - 6.3 - 9.0	0.90-8.44-11.40
Low Temp. Heating Capacity(-7°C)		5.50	8.50
Power Input	Cooling/Heating	1,500/1,650	2,190/2,330
EER		3.47	3.21
COP		3.82	3.62
Annual energy consumption	Cooling	750	1095
Power Supply	Ø / V / Hz	1 / 220-240 / 50	1/220-240/50
Air Flow Rate	Indoor,Max	19.5	22
	Outdoor,Max	60	60
Sound Pressure Level	Indoor,H/M/L	42/40/35/29	45/40/35/29
	Outdoor,Max	51	53
Sound Power Level	Indoor,Max	63	65
	Outdoor,Max	70	70
Operation Range	Cooling(Outdoor)	-10-48	-10-48
	Heating(Outdoor)	-15-24	-10-24
Compressor	Type	Twin Rotary	Twin Rotary
Fan(Indoor)	Motor Output	20	20
Fan(Outdoor)	Motor Output	85	124
Running Current	Cooling/Heating	6.6/7.3	9.8/10.4
Starting Current	Cooling/Heating	6.6/7.3	9.8/10.4
Max Current	Cooling/Heating	12.5	19.0
Circuit Breaker*		20	25
Power Supply Cable	No.*mm ²	3*1.5	3*2.5
Power and Transmission Cable No.*mm ²		4*1.0	4*1.0
Refrigerant & Charge (at 7.5 m)	g	R410A, 1,350	R410A, 1,800
Additional Refrigerant charge	g/m	20	35
Piping Connections	Liquid Side	6.35(1/4)	9.52(3/8)
	Gas Side	12.7(1/2)	15.88(5/8)
Piping Length (Min/Max)	m	- / 20	- / 30
Max. Elevation Difference	m	10	15
Drain Hose(O.D / I.D.)	mm	21.5/16.0	21.5/16.0
Dimensions	Indoor (WxHxD)	1030x325x245	1030x325x245
	Outdoor (WxHxD)	870x655x320	870x800x320
Net Weight	Indoor	15.5	15.5
	Outdoor	51	60

Note: 1. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB / 19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB / 24°C WB - Outdoor Temperature 7°C DB / 6°C WB
2. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

Maestro

INVERTER V Beyond Efficiency

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.



Smart Saving with Eco Eye

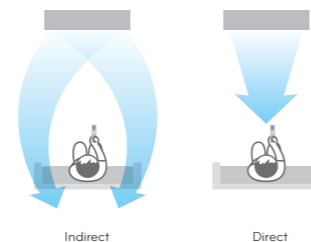
During starting of the unit in the heating mode it prevents cold air blowing from the unit. It starts the indoor fan only after indoor unit pipe temperature reaches a preset value (28°C). When indoor unit pipe temperature reaches 28°C, then for initial 1 minute the indoor fan runs at a low speed and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

Eco Eye

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

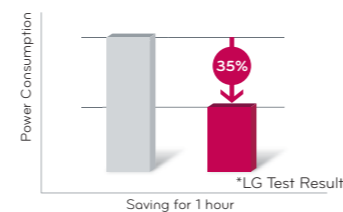
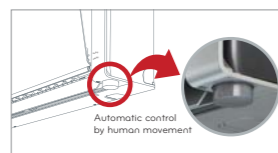
Customized airflow :

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



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.



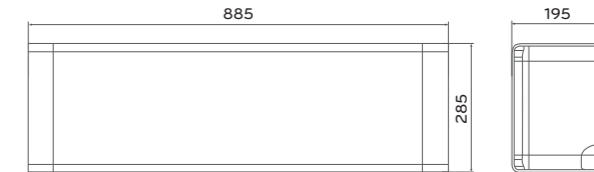
Moisture Cooling

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.



S09AQ S12AQ

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



2.5-3.5kW

Specifications

Model	INDOOR UNIT		S09AQ NBO		S12AQ NBO	
	OUTDOOR UNIT		S09AQ	UBO	S12AQ	UBO
Cooling Capacity			0.89-2.50-3.70		0.89-3.50-4.04	
Heating Capacity			0.89-3.2-5.00		0.89-4.0-6.00	
Low Temp. Heating Capacity(-7°C)			3.20		3.80	
Power Input	Cooling/Heating		550/700		880/960	
EER			4.55		3.98	
COP			4.6		4.17	
Annual energy consumption	Cooling		275		440	
Power Supply			1 / 220-240 / 50		1 / 220-240 / 50	
Air Flow Rate	Indoor,Max		12		12	
	Outdoor,Max		33		33	
Sound Pressure Level	Indoor,H/M/L		38 / 33 / 23 / 19		39 / 33 / 23 / 19	
	Outdoor,Max		45		45	
Sound Power Level	Indoor,Max		57		57	
	Outdoor,Max		65		65	
Operation Range	Cooling(Outdoor)		-10-48		-10-48	
	Heating(Outdoor)		-10-24		-10-24	
Compressor	Type		Rotary		1P Rotary	
Fan(Indoor)	Motor Output		20		20	
Fan(Outdoor)	Motor Output		43		43	
Running Current	Cooling/Heating		2.4 / 3.1		4.0/4.3	
Starting Current	Cooling/Heating		2.4 / 3.1		4.0/4.3	
Max Current	Cooling/Heating		10.0		10.0	
Circuit Breaker*			15		15	
Power Supply Cable	No.*mm ²		3*1.0		3*1.0	
Power and Transmission Cable No.*mm ²	No.*mm ²		4*1.0 (Including Earth)		4*1.0	
Refrigerant & Charge (at 7.5 m)			R410A, 1000		R410A, 1000	
Additional Refrigerant charge	g/m		20		20	
Piping Connections	Liquid Side		6.35(1/4)		6.35(1/4)	
	Gas Side		9.52(3/8)		9.52(3/8)	
Piping Length (Min/Max)	m		2 / 20		2 / 20	
Max. Elevation Difference	m		10		10	
Drain Hose(O.D / I.D.)	mm		21.5 / 16.0		21.5/16.0	
Dimensions	Indoor (WxHxD)		885x285x195		885x285x195	
	Outdoor (WxHxD)		770x545x288		770x545x288	
Net Weight	Indoor		11.5		11.5	
	Outdoor		34		34	

Note: 1. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB / 19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB / 24°C WB - Outdoor Temperature 7°C DB / 6°C WB

2. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

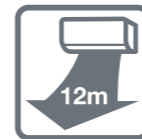
NOVA

INVERTER V

Mighty Efficiency

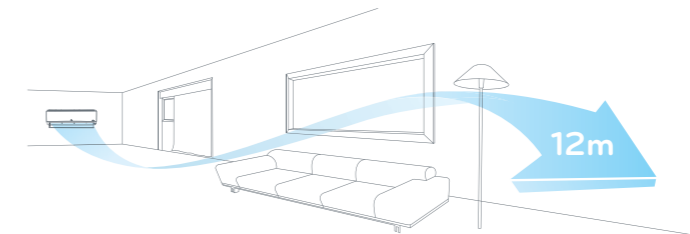


LG Electronics' products have led the global air conditioner market with excellent performance and innovative design.



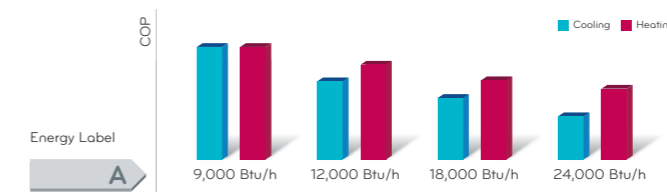
Powerful Air Flow

Keep cool this summer with our new larger fans that allow you to feel the air up to 12 metres away! This means that cooling is fast and powerful, allowing you to feel comfortable sooner, as the cool air reaches you. (Available models:CS18AQ/CS24AQ)



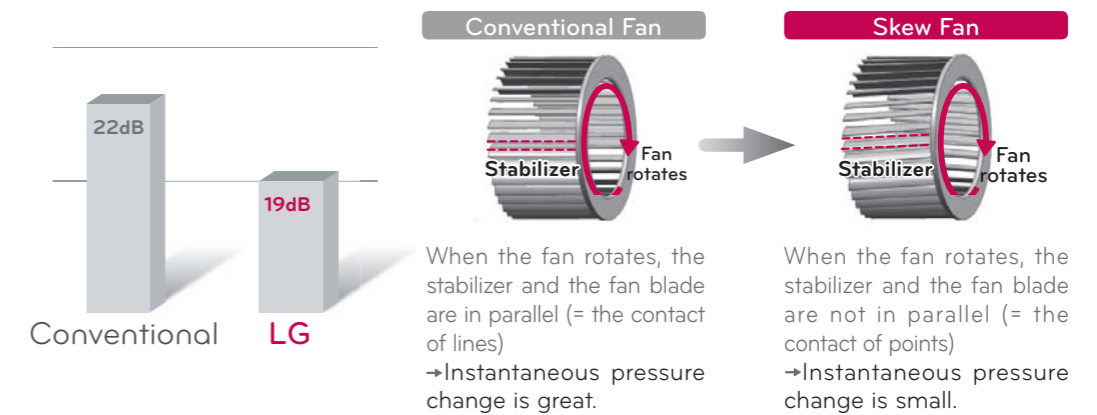
High Efficiency

NOVA received AA energy label (cooling/heating) for 9k to 24k respectively



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 CS09AQ in sleep mode is only 19dB. In addition, the outdoor units have reduced vibration and noise thanks to a super quiet fan and motor.



NOVA

INVERTER V
Mighty Efficiency

E09SQ
E12SQ
E18SQ
E24SQ

- Optimized Cooling and Heating
- Allergy Free Filter
- Triple Air Filter
- Quick & Easy Installation
- Low Noise • Auto Cleaning
- Compatible with Inverter Multi System



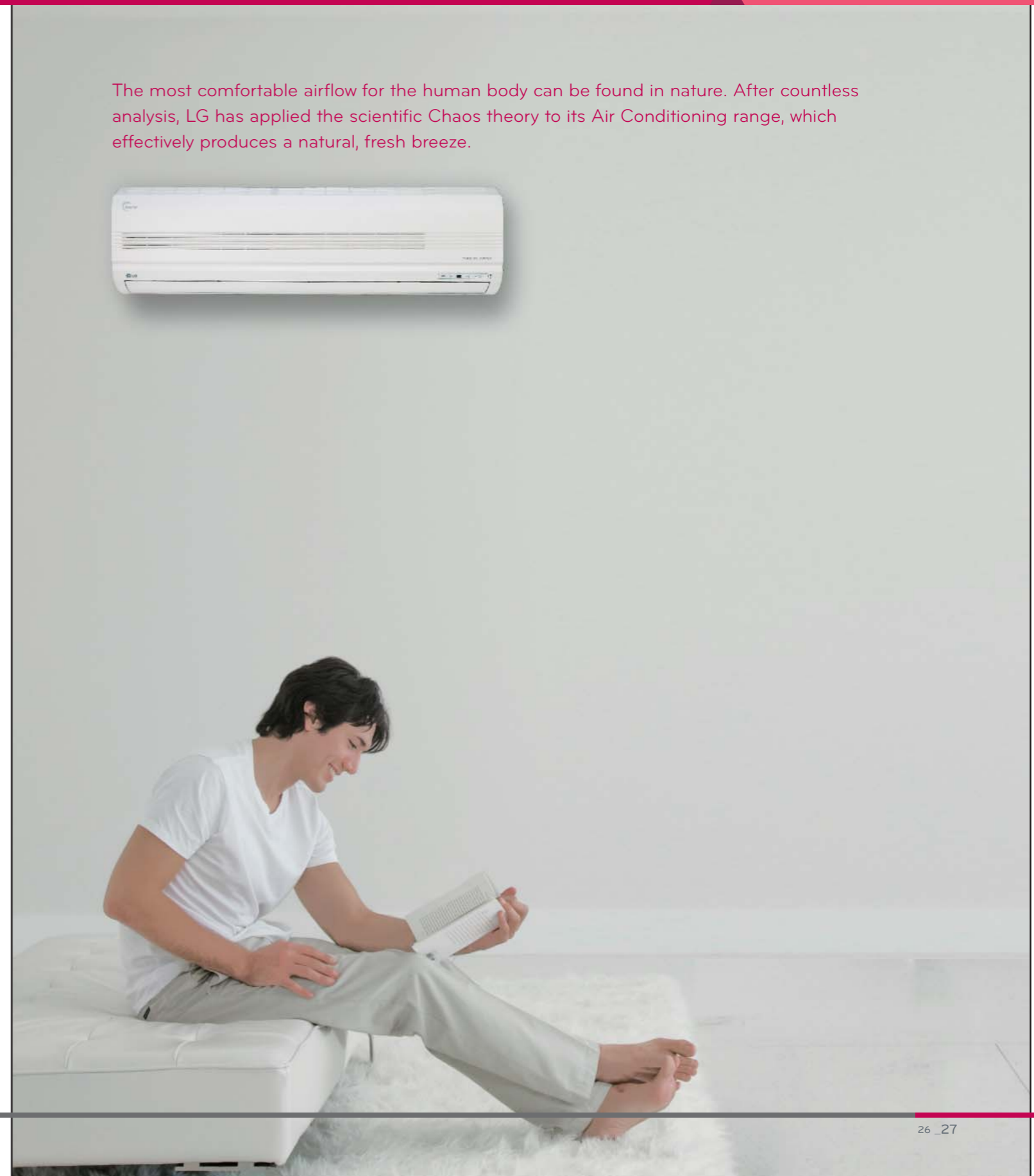
The most comfortable airflow for the human body can be found in nature. After countless analysis, LG has applied the scientific Chaos theory to its Air Conditioning range, which effectively produces a natural, fresh breeze.



Specifications

Model	INDOOR UNIT OUTDOOR UNIT		E09SQ NBO S09AQU UBO	E12SQ NBO S12AQU UBO	E18SQ NCO S18AQU UCO	E24SQ NCO S24AQU UCO
Cooling Capacity		kW	0.89-2.50-3.70	0.90-3.50-4.04	0.90 - 5.20 - 6.00	0.90 - 7.03 - 8.65
Heating Capacity		kW	0.89-3.20-4.10	0.89-4.00-5.10	0.90 - 6.30 - 9.00	0.90 - 8.44 - 11.40
Low Temp. Heating Capacity(-7°C)		kW	3.00	3.60	5.50	8.50
Power Input	Cooling/Heating	W	600 / 770	1,010 / 1,050	1,500 / 1,650	2,190 / 2,330
EER		W/W	4.17	3.47	3.47	3.21
COP		W/W	4.16	3.81	3.82	3.62
Annual energy consumption	Cooling	kWh	300	505	750	1095
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	Indoor,Max	m³/min	12	12	19.5	22
	Outdoor,Max	m³/min	27	27	50	60
Sound Pressure Level	Indoor,H/M/L	dB(A)±3	38 / 33 / 23 / 19	39 / 33 / 23 / 19	42 / 40 / 35 / 29	45 / 40 / 35 / 29
	Outdoor,Max	dB(A)±3	47	47	51	53
Sound Power Level	Indoor,Max	dB(A)	57	57	63	65
	Outdoor,Max	dB(A)	65	65	70	70
Operation Range	Cooling(Outdoor)	°C	-5-48	-5-48	-10-48	-10-48
	Heating(Outdoor)	°C	-10-24	-10-24	-10-24	-10-24
Compressor	Type		Rotary	Rotary	Twin Rotary	Twin Rotary
Fan(Indoor)	Motor Output	W	20	20	30	30
Fan(Outdoor)	Motor Output	W	43	43	84	124
Running Current	Cooling/Heating	A	2.66 / 3.40	4.60 / 4.65	6.6 / 7.3	9.8 / 10.4
Starting Current	Cooling/Heating	A	2.66 / 3.40	4.60 / 4.65	6.6 / 7.3	9.8 / 10.4
Max Current	Cooling/Heating	A	10.0	10.0	12.5	19.0
Circuit Breaker*		A	15	15	20	25
Power Supply Cable		No.*mm²	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power and Transmission Cable No.*mm²		No.*mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant & Charge (at 7.5 m)		g	R410A, 900(31.75)	R410A, 900	R410A, 1,350	R410A, 1,800
Additional Refrigerant charge		g/m	20(0.22)	20	20	35
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)	12.70(1/2)	15.88(5/8)
Piping Length (Min/Max)		m	3(9.84) / 15(49.2)	3 / 15	- / 20	- / 30
Max. Elevation Difference		m	7(23.0)	7	15	15
Drain Hose(O.D / I.D.)		mm	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0	21.5 / 16.0	21.5 / 16.0
Dimensions	Indoor (WxHxD)	mm	885x285x210	885x285x210	1,030x325x250	1,030x325x250
	Outdoor (WxHxD)	mm	717x483x230	717x483x230	870x655x320	870x800x320
Net Weight	Indoor	kg	11	11	17	17
	Outdoor	kg	28	28	46	60

Note: 1. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB / 19°C WB Heating: - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB / 24°C WB - Outdoor Temperature 7°C DB / 6°C WB
2. Annual energy consumption: based on average use of 500 running hours per year at nominal condition



HERO

INVERTER V

Smart Efficiency

Big capa INVERTER V

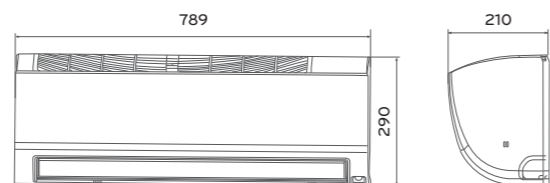
Smart Efficiency

CS09AF CS12AF

- Optimized Cooling and Heating
- Allergy Free Filter
- Triple Air Filter
- Quick & Easy Installation
- Low Noise
- Auto Cleaning



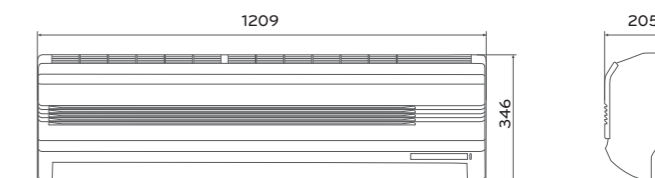
- Optimized two way airflow for cooling and heating
- Compact outdoor unit



2.5-3.5kW

S30AW S36AW

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



7.0-8.0kW

9.0kW

Specifications

Model	INDOOR UNIT OUTDOOR UNIT		CS09AF NHO S09AF UHO	CS12AF NHO S12AF UHO
Cooling Capacity		kW	0.89-2.50-3.70	0.90-3.50-4.04
Heating Capacity		kW	0.89-3.20-4.10	0.90-4.01-5.10
Low Temp. Heating Capacity(-7°C)		kW	3.00	3.60
Power Input	Cooling/Heating	W	620 / 780	1,060 / 1,080
EER		W/W	4.03	3.30
COP		W/W	4.1	3.71
Annual energy consumption	Cooling	kWh	310	530
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	Indoor,Max	m ³ /min	11	11
	Outdoor,Max	m ³ /min	27	27
Sound Pressure Level	Indoor,H/M/L	dB(A)±3	37 / 33 / 25 / 20	38 / 33 / 25 / 20
	Outdoor,Max	dB(A)±3	47	47
Sound Power Level	Indoor,Max	dB(A)	59	59
	Outdoor,Max	dB(A)	65	65
Operation Range	Cooling(Outdoor)	°C	-5 ~ 48	-5 ~ 48
	Heating(Outdoor)	°C	-10 ~ 24	-10 ~ 24
Compressor	Type		Rotary	Rotary
Fan(Indoor)	Motor Output	W	20	20
Fan(Outdoor)	Motor Output	W	43	43
Running Current	Cooling/Heating	A	2.8 / 3.5	4.7 / 4.8
Starting Current	Cooling/Heating	A	2.8 / 3.5	4.7 / 4.8
Max Current	Cooling/Heating	A	10.0	10.0
Circuit Breaker*		A	15	15
Power Supply Cable		No.*mm ²	3 x 1.0	3 x 1.0
Power and Transmission Cable No.*mm ²		No.*mm ²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant & Charge (at 7.5 m)		g	R410A, 900	R410A, 900
Additional Refrigerant charge		g/m	20	20
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)
Piping Length (Min/Max)		m	3 / 15	3 / 15
Max. Elevation Difference		m	7	7
Drain Hose(O.D / I.D.)		mm	21.5 / 16.0	21.5 / 16.0
Dimensions	Indoor (WxHxD)	mm	798x290x210	798x290x210
	Outdoor (WxHxD)	mm	717x483x230	717x483x230
Net Weight	Indoor	kg	8.5	8.5
	Outdoor	kg	28	28

Note: 1. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB / 19°C WB
 - Outdoor Temperature 35°C DB / 24°C WB
Heating: - Indoor Temperature 20°C DB / 15°C WB
 - Outdoor Temperature 7°C DB / 6°C WB

2. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

Specifications

Model	INDOOR UNIT OUTDOOR UNIT		S30AW NDO S30AW UDO	S36AW NDO S36AW UDO
Cooling Capacity		kW	3.60 - 8.00 - 8.80	4.00 - 9.00 - 9.80
Heating Capacity		kW	5.30 - 9.60 - 10.2	5.60 - 10.40 - 11.0
Low Temp. Heating Capacity(-7°C)		kW	-	-
Power Input	Cooling/Heating	W	2,650 / 3,180	2,980 / 3,435
EER		W/W	3.02	3.0
COP		W/W	3.02	3.01
Annual energy consumption	Cooling	kWh	-	-
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	Indoor,Max	m ³ /min	21	25
	Outdoor,Max	m ³ /min	58	68
Sound Pressure Level	Indoor,H/M/L	dB(A)±3	46 / 43 / 39	47 / 44 / 41
	Outdoor,Max	dB(A)±3	54	58
Sound Power Level	Indoor,Max	dB(A)	-	-
	Outdoor,Max	dB(A)	-	-
Operation Range	Cooling(Outdoor)	°C	-5 ~ 43	-10 ~ 43
	Heating(Outdoor)	°C	-10 ~ 24	-15 ~ 24
Compressor	Type		Rotary	1P Rotary
Fan(Indoor)	Motor Output	W	70	75
Fan(Outdoor)	Motor Output	W	80	100
Running Current	Cooling/Heating	A	12.0 / 14.5	13.6 / 16.5
Starting Current	Cooling/Heating	A	12.0 / 14.5	13.6 / 16.5
Max Current	Cooling/Heating	A	12.0 / 14.5	13.6 / 16.5
Circuit Breaker*		A	15	25
Power Supply Cable		No.*mm ²	3 * 2.5	3 * 2.5
Power and Transmission Cable No.*mm ²		No.*mm ²	4*0.75 (Including Earth)	4*0.75 (Including Earth)
Refrigerant & Charge (at 7.5 m)		g	R410A, 1800	R410A, 2,200
Additional Refrigerant charge		g/m	30	35
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	15.88(5/8)	15.88(5/8)
Piping Length (Min/Max)		m	0 / 50	0 / 50
Max. Elevation Difference		m	30	30
Drain Hose(O.D / I.D.)		mm	-	-
Dimensions	Indoor (W*H*D)	mm	1,209*346*205	1,209*346*205
	Outdoor (W*H*D)	mm	870*808*320	870*808*320
Net Weight	Indoor	kg	18	19
	Outdoor	kg	60	75

Note: 1. Capacities are based on the following conditions:
Cooling: - Indoor Temperature 27°C DB / 19°C WB
 - Outdoor Temperature 35°C DB / 24°C WB
Heating: - Indoor Temperature 20°C DB / 15°C WB
 - Outdoor Temperature 7°C DB / 6°C WB

2. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

