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www.lge.co.nz



Split System Air Conditioner



ART COOL *Mirror*
White



ART COOL *Stylish*



ART COOL *Econo*

LG's Lifestyle Technology

LG's persistent technological advancements have helped people experience a more pleasant daily life by vitalising the home environment with energy efficient products. LG has built upon these developments to launch sophisticated technologies that vitalise consumers' lives.

Through LG's advanced technologies, air conditioners have evolved from simple cooling devices to a comprehensive air management system that also generates fresher air for the home. This aspect of LG's air conditioners is growing stronger, as the types of filters being introduced are capable of protecting families from various allergies.

All these technological indoor features operate simultaneously while exhibiting low indoor noise levels, ensuring the home environment is not only fresher, but also quiet and relaxing enough to enable a most pleasant sleeping experience for consumers.

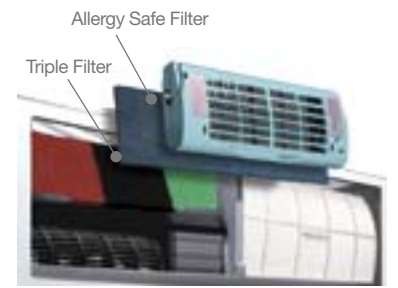
Thanks to our innovative technology, LG air conditioners are ideal for use at home and deliver cost-effective solutions for your office environment.





Reduce allergens & odours

Air Purification System



Quiet & Comfortable

Low Indoor Noise & Powerful Air Throw



Energy Efficient

Inverter Technology & BLDC compressor



ART COOL Split System Series

In addition to stylish design, LG ArtCool Mirror brings a complete air conditioning solution.

Reduce allergens & odours

The comprehensive air filtration features supply clean, refreshing air.

Quiet & comfortable

LG air conditioners operate at a low indoor sound level, thanks to LG's unique new skew fan and BLDC motor technology.

Energy Efficient

The advanced inverter technology, high efficient heat exchanger, and improved efficiency of the compressor and inverter drive energy efficiency.

Model View



ART COOL *Mirror*

Boasts advanced features and a sleek mirror-like finish.
(new white finish now available)



ART COOL *Stylish*

Stylish Design and advanced features including Changeable panels.



ART COOL *Econo*

A cost effective split system solution.

Advanced Features

Air Purification System

Various filtration system protects the user from substances including odours and allergens.



Allergy Safe Filter : LG Allergy Safe Filter blocks neuramidase and haemagglutinin, which is formed when the allergen breaks up from host cell to proliferate.

1



Plasmaster Filter : While being easy to maintain, plasma filtration system of LG air conditioner reduces odours.

2



Triple Filter : Reduces chemical particles and other odour emanating from different sources including tobacco.

3



NCB Filter : Nano-size carbon filters catch fine odorous particles, and removes odours from the household, thus offering a pleasant environment.

4



Pre Filter : The Pre filter enables easier cleaning of the air conditioner unit.

5



Odour Prevention : The Odour Prevention function reduces unwanted odour and mould from the indoor unit.

6

Quiet & Comfortable

LG skew fan and BLDC motor technology have achieved a low noise level of 19dB in sleep mode.



Low Indoor Noise : With the 15° tilted skew fan and BLDC fan motor, the sound level has been decreased in sleep mode to 19dB.

7



Powerful Air Throw : Keeping cool with fast, powerful cooling, throwing air up to 12 meters.

8



Optimized 4-way Airflow : LG air conditioner delivers cool air to every corner of your room. The 4 way swing function blows the air quickly and efficiently in multi direction.

9

Energy Efficiency

Advanced heat exchanger, air outlet, compressor, and inverter technology provides energy efficiency



LG's advanced inverter technology ensures the compressor will vary its speed in order to maintain a consistent temperature providing ultimate comfort and economical use of the system.

10

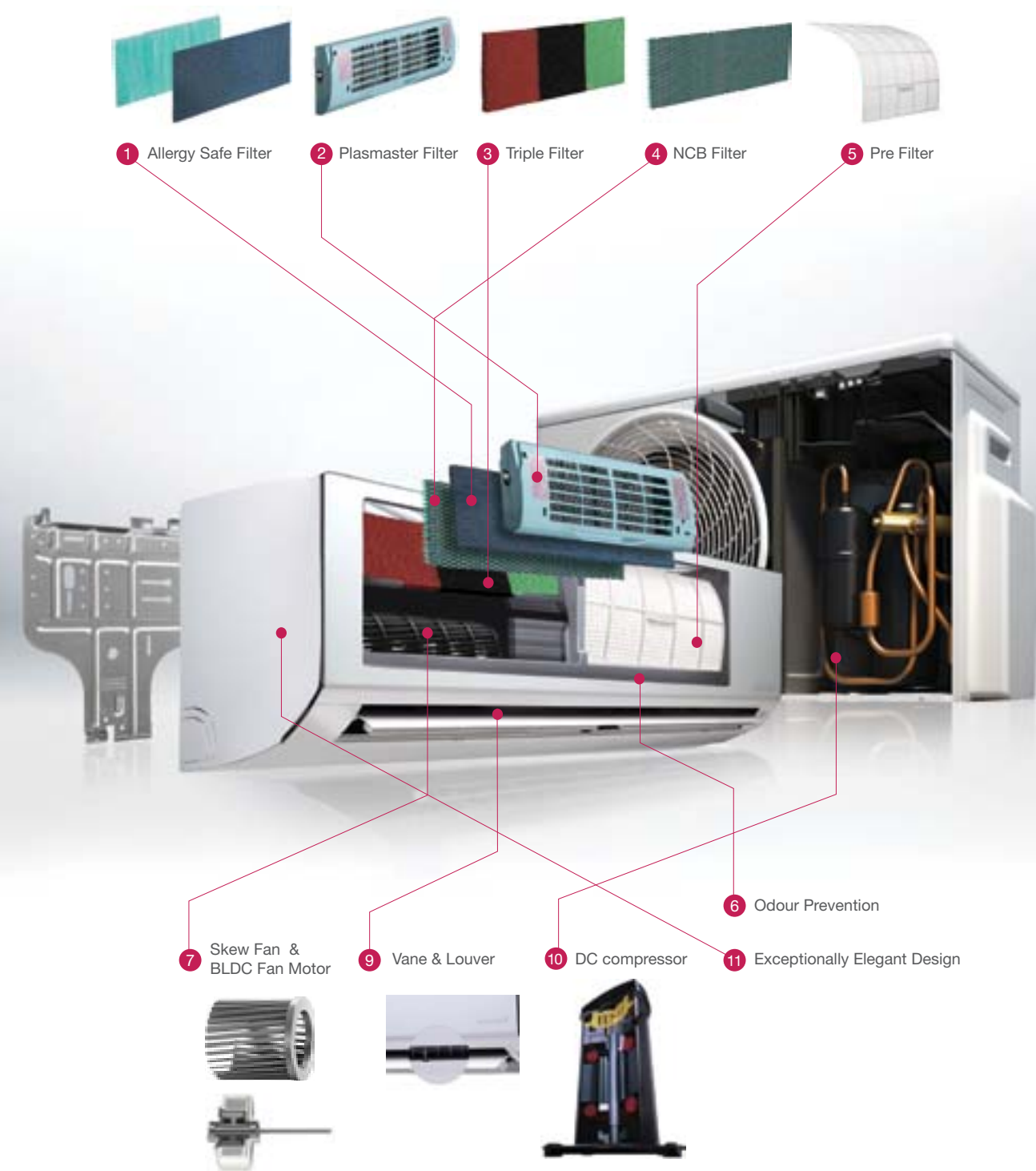
Elegant Design

LG air conditioners are not just refreshingly efficient, but also exceptionally elegant in design



Moving panel / Clean opening / Unique patterns / Long term design identity building / Crystal-like panel

11



Reduce Allergens & Odours

with LG's Air Purification System

1 Allergy Safe Filter

LG Allergy Safe Filter blocks neuramidase and haemagglutinin, which is activated when the allergen breaks up from the host cell and proliferates.

2 Triple Filter

Captures chemical particles and other odour emanating from different sources including tobacco.

3 Plasmaster Filter

Tiny dust particles are burnt and eliminated when captured by the electric field.

4 NCB Filter

Nano-size carbon filters catch fine odorous particles, and remove odours from the household, thus offering a pleasant environment.

5 Pre Filter

The pre filter enables easier cleaning of the air conditioning unit capturing dust particles.

6 Odour Prevention

The Odour Prevention function reduces unwanted odour and mould forming on the indoor unit heat exchanger.



Air Purification System

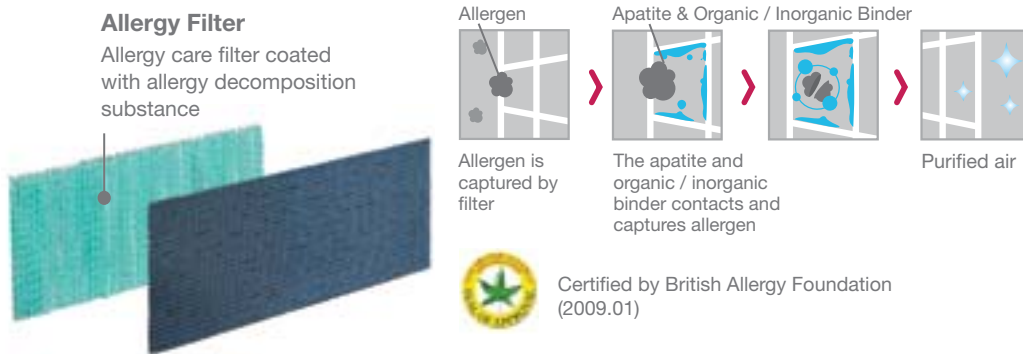


Filtration System

The filtration system of the LG air conditioner is advanced in design and certified of its functionality by world renowned institutes. It works as an invisible hand to provide the clean and reliable air to the user.

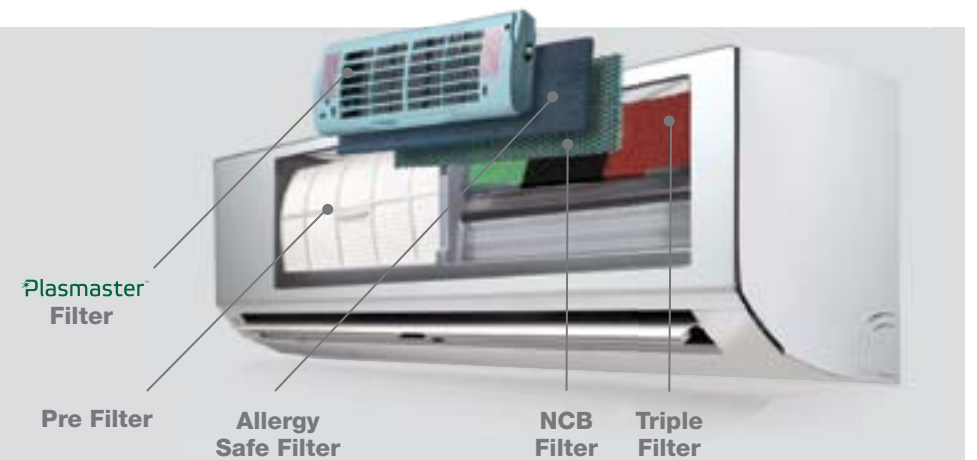
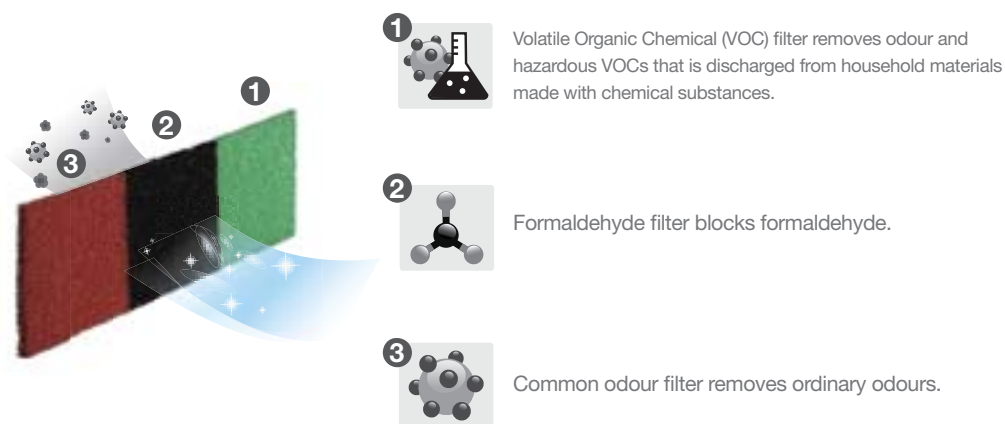
Allergy Safe Filter

Allergy Protein Deactivation LG Allergy Safe Filter blocks neuramidase and haemagglutinin, which is activated when the virus breaks up from host cell to proliferate.



Triple Filter

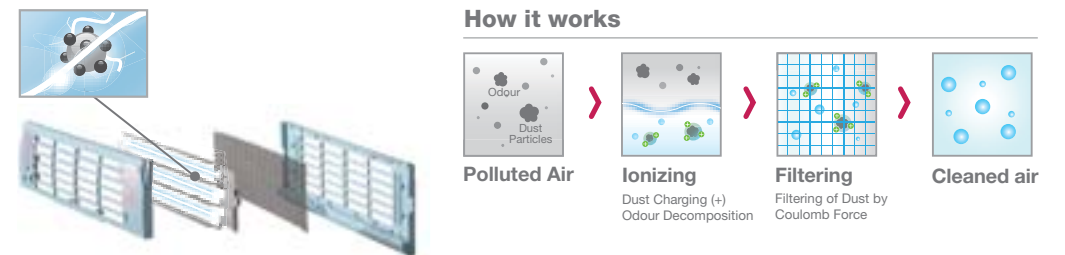
Eliminates chemical particles and other odour emanating from different sources including tobacco.



Plasmaster™ Filter

Tiny dust particles are burnt and eliminated when captured by the electric field.

The plasma air purifying system can reduce microscopic contaminants and dust. This filter removes house mites, micro dust, and pet fur.



NCB Filter

Nano-size carbon filters catch fine odorous particles doubly and completely, and removes odours from the household, thus offering a pleasant environment.

What is a NCB(Nano Carbon Ball) Filter?

Nano Carbon Ball consists of a vast system of pores of Ultra Nano size. These pores are highly adsorbent, forming a strong chemical bond / attraction to odorous gaseous, and liquid contaminant. Nano carbon, was used for the first time in the world as a deodourizing material.

Pre Filter

The pre filter enables easier cleaning of the air conditioner unit.

Easy to Open

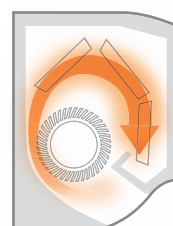
Ez-Detachable Grille : The simple bottom to top cover makes cleaning of the air conditioner a lot easier.

Easy to Clean

Ez-Cleaning Filter : The filter is designed for easier handling and cleaning which thus enables longer use.

Odour Prevention

The Odour Prevention function reduces unwanted odours and mould build up on the heat exchanger.



Drying

By reducing humidity and bacteria left in the air conditioner, the Odour Prevention function removes substances that might be harmful to human body.

Deodorizing

The indoor environment remains odourless with the advanced deodourizing function.

High Performing

By preventing the pollution of the heat exchanger by various germs and bacteria, the cooling performance and longevity of the air conditioner is maintained.

Quiet and comfortable



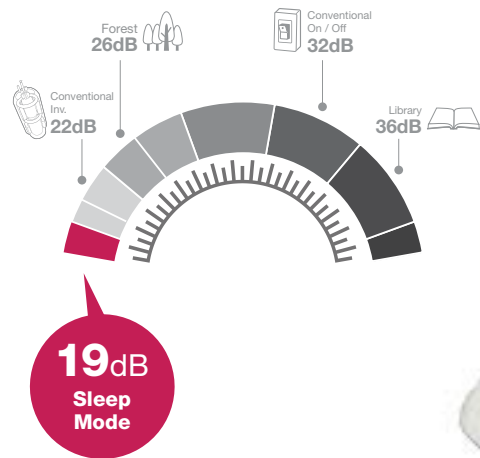
LG's unique new skew fan and low vibrating compressor technology have achieved low noise level in sleep mode.



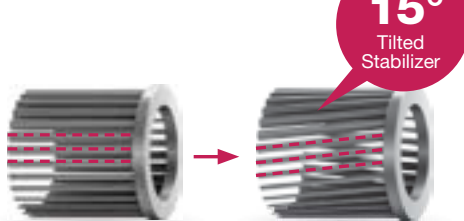
Low Indoor Noise 19dB

With low noise level in sleep mode, LG air conditioners provide peace of mind to the user.

* Available on Models : R09AWN-11, R12AWN-11, E09AWN-11, E12AWN-11, I09AWN-11, I12AWN-11



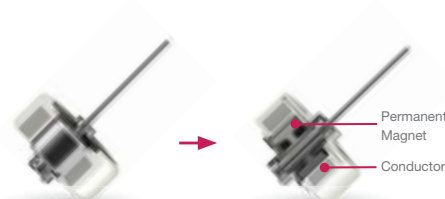
LG Unique Skew Fan



LG Conventional Skew Fan

By reducing the surface pressure of the fan blade when in contact with the air, the peak noise is reduced.

BLDC Fan Motor



AC Motor BLDC Motor

- Low Efficiency
- Heat Problem during overhauling
- Difficult precise speed control
- Low Electric and mechanical noise
- Precise speed control
- Durable

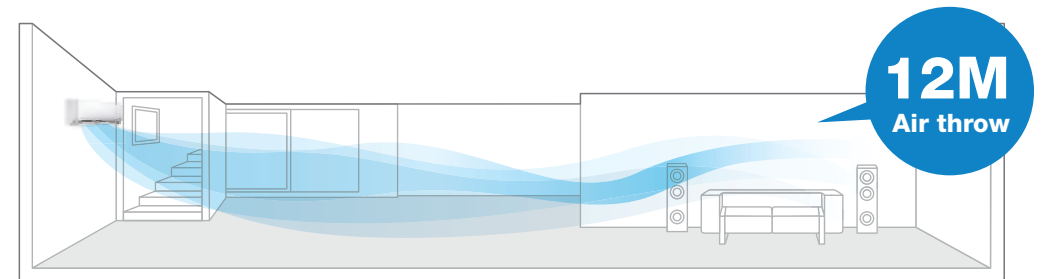
With strong torque and powerful ND magnetism inside the rotor, the BLDC motor provides large air volume and high static pressure. Precise speed control provides 13 different steps which makes operation smoother. Both electrical and mechanical noise is lower, and high speed operation is achieved.

Powerful Air Throw 12m

LG air conditioner directs air across an area up to 12 meters.

The advanced fluid dynamic chassis design maximizes intake capacity and discharge for optimal airflow of up to 12M. Cooling is fast and powerful, allowing the user to feel comfortable.

* Available on models : M18AWN-11, M24AWN-11, M28AWN-11, I18AWN-11, I24AWN-11, I28AWN-11, E18AWN-11, E24AWN-11, E24AWN-11, E28AWN-11



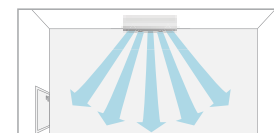
4-Way Swing

4-way swing disperses cool air quickly and effectively in multiple directions to each corner of the room.



Vertical Air Flow

Direction of air flow can be adjusted in 6 steps, in an up and down direction. This function can cool specific areas much faster.



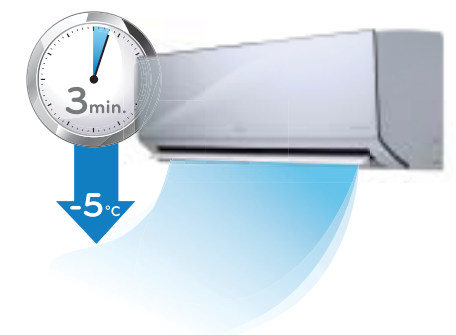
Horizontal Air Flow

Direction of air flow can be adjusted in 5 steps, left & right, and full auto swing. This function also allows the air conditioner to cool specific areas in a short period of time.

Jet Cool

Jet Cool disperses air evenly at high speed to ensure the room is cooled in just 3 minutes.

Room temperature drops by 5°C depending on room size.



Energy Efficient



The advanced inverter technology, high efficient heat exchanger, and improved efficiency of the compressor and inverter drive energy efficiency.

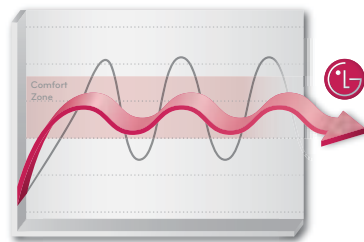


Benefits of *INVERTER V*



Saving Energy

Highly advanced inverter technology uses less energy.



Maximum User Comfort

The compressor speed of LG's Inverter V is constantly adjusted and varied to maintain the desired temperature with minimal fluctuation.



Quick Cooling

Both performance and speed of Inverter V compressor is faster and more powerful, thus being able to cool faster than conventional air conditioners.

How it works : *INVERTER V* Technology

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 non-inverter 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 comforts not compromised.

Non-Inverter

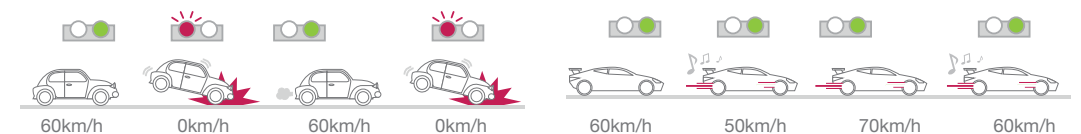


Excess consumption of fuel due to frequent restarting of motor.

Inverter



Efficient management of energy by keeping motor running at varying speeds.



Advanced Energy Saving Technology

BLDC Compressor

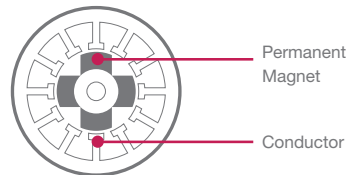
The LG inverter air conditioner comes with a BLDC compressor that uses a strong neodymium magnet. Its compressor thus has improved efficiency compared with AC inverter compressors.



- 1 Minimize Oil Circulation with Oil-Separator system
- 2 Maximize Motor Efficiency
- 3 Minimize Compression Loss

BLDC Fan motor

BLDC Fan motor used on LG Inverter V makes Quiet cooling possible compared to conventional AC/DC motor. In addition, precise speed control provides 13 different steps and it makes operation smoother.

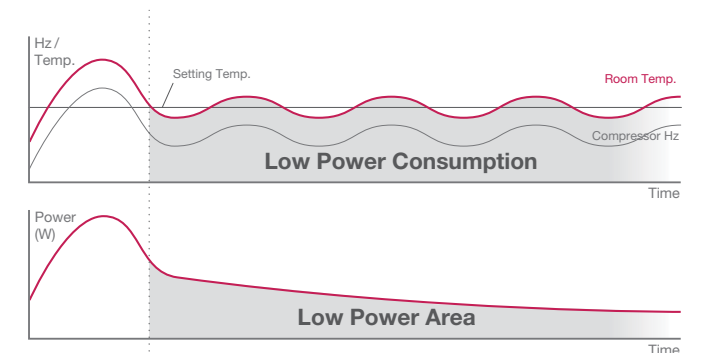


Torque Control

Delicate torque control enables the compressor to operate at 35Hz and below, which thus minimizes vibration and noise while increasing energy efficiency.

Energy Efficiency

By utilizing a variable speed compressor than a constant speed compressor, the cooling or heating capacity of LG inverter system can be varied to maintain indoor conditions.



Low Energy Consumption Inverter runs at a lower Hz While non-inverter fixed speed.

Stylish Design



The design of LG air conditioners are stylish. Think of it not just as an air conditioner, but an object that will lighten up your living room.

ART COOL *Stylish*



ART COOL *Mirror*



ART COOL *Mirror*



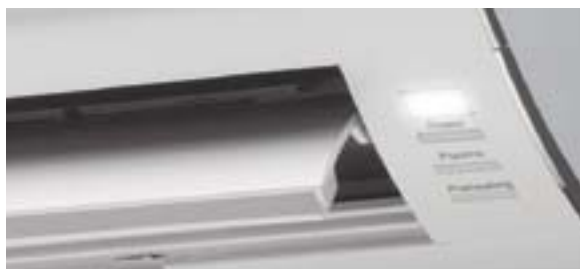
Chrome Trim Line

Delicately slim yet powerfully constructed



Tempered Glass

Luster and brightness



High Intensity LED

Elegant display with smart white lit trim



Flow Line

Catchy eye level design that flows evenly from the top all the way to the bottom

ART COOL *Stylish*

Changeable Panels & Stylish Design

With ARTCOOL changeable panels you can change the colour of your air conditioning panel to compliment your room's colour scheme.






LG's ARTCOOL Stylish boasts of elegant body line.

* "Stylish Changeable Panels" only for **ART COOL *Stylish*** Model.

*Colour panels sold separately.

model	Blue	Silver
R09/R12 R18/R22/R24/R28	PSAPBCB10 PSAPCCB10	PSAPBCV10 PSAPCCV10

-  Silver color curved line **White panel**
-  Blue color curved line **Blue panel**
-  Wine color curved line **Silver panel**

Remote Control



Our air conditioning system can be controlled by various types of remote controllers providing general control to unique function.



User Friendly Design

- Comfortable to grab
- Sliding type



Easy Use

- Large-sized buttons
- Easy to recognize functions with graphics



- ① Large LCD
- ② PLASMA
- ③ On/Off
- ④ Temperature Setting
- ⑤ Operation Mode
- ⑥ Airflow Step Control
- ⑦ Jet Cool / Jet Heat
- ⑧ Room Temperature
- ⑨ Timer
- ⑩ Mode Indicator Brightness
- ⑪ Auto Clean
- ⑫ Energy-Saving Cooling

Remote Control of
ART COOL *Mirror*
ART COOL *Stylish*















- ① Fan
- ② Sleep Mode Auto
- ③ Temperature Setting
- ④ On/Off
- ⑤ Indoor Fan Speed
- ⑥ Operation Mode
- ⑦ Jet Cool / Jet Heat
- ⑧ Airflow Step Control
- ⑨ Room Temperature
- ⑩ Timer
- ⑪ Energy-Saving Cooling
- ⑫ Set / Clear
- ⑬ Mode Indicator Brightness

Remote Control of
ART COOL *Econo*

Model Line-Up

Advanced Features

- 
Allergy Safe Filter : Various types of allergy causing symptoms are reduced by the filtration system, largely benefitting the sensitive and allergic users.
- 
Triple Filter : Reduces chemical particles and other odours emanating from different sources including tobacco.
- 
Plasmaster Filter : Tiny dust particles are broken down when captured by electric field.
- 
Auto Clean : It will decrease air conditioners' odours by reducing the build up of mould.
- 
Pre Filter : The Pre filter enables easier cleaning of the air conditioning unit.
- 
Jet Cool : The optimised design of the air outlet provides strong airflow which cools the room temperature up to 5 degrees in approximately 3 minutes time.
- 
Quiet Operation : LG's unique new skew fan and low vibrating compressor technology have achieved low noise level in sleep mode.
*Available on Models : R09AWN-11, R12AWN-11, E09AWN-11, E12AWN-11, I09AWN-11, I12AWN-11
- 
Powerful Air Throw: Regardless of your location in the room, the powerful airflow of LG air conditioner makes your feel cool.
*Available on models : M18AWN-11, M24AWN-11, M28AWN-11, I18AWN-11, I24AWN-11, I28AWN-11, E18AWN-11, E22AWN-11, E24AWN-11, E28AWN-11
- 
Optimized Airflow : LG air conditioner delivers cool air to your room. The 4 way swing function blows the air quickly and efficiently in multi direction.
- 
Energy Saving : The advanced inverter technology of LG enables the air conditioner to be more efficient thus saving energy.
- 
Design : Moving panel / Clean opening / Unique patterns / Long term design identity building / Crystal-like panel
- 
Quick & Easy Installation : Perfect finishing / Bigger tubing space / Installation plate improvement / Detachable bottom cover / Elevated service valve / Chargeless / Installation support clip / Compatible with inverter multi system

ART COOL *Mirror*

White



> P.23

ART COOL *Stylish*



> P.24

ART COOL *Econo*



> P.24

I09AWN-11
I12AWN-11
I18AWN-11
I24AWN-11
I28AWN-11



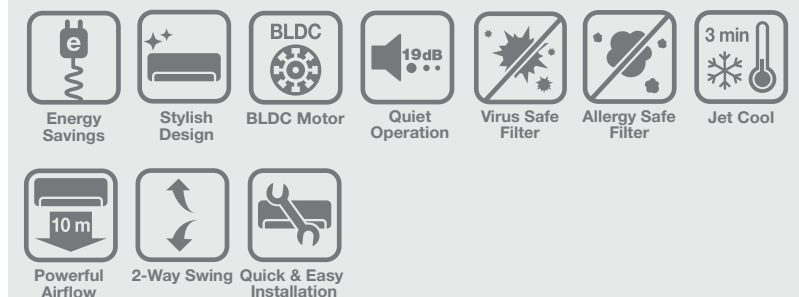
* Quiet Operation / Available on Models : I09AWN-11, I12AWN-11
* Powerful Airflow / Available on models : I18AWN-11, I24AWN-11, I28AWN-11

R09AWN-11
R12AWN-11
R18AWN-11
R22AWN-11
R24AWN-11
R28AWN-11



* Quiet Operation / Available on Models : R09AWN-11, R12AWN-11
* Powerful Airflow / Available on models : R18AWN-11, R22AWN-11, R24AWN-11, R28AWN-11

E09AWN-11
E12AWN-11
E18AWN-11
E22AWN-11
E24AWN-11
E28AWN-11



* Quiet Operation / Available on Models : E09AWN-11, E12AWN-11
* Powerful Airflow / Available on models : E18AWN-11, E22AWN-11, E24AWN-11, E28AWN-11

ART COOL

Mirror

White



* Quiet Operation / Available on Models : I09AWN-11, I12AWN-11
 * Powerful Airflow / Available on models : I18AWN-11, I24AWN-11, I28AWN-11



Model		I09AWN-11	I12AWN-11	I18AWN-11	I24AWN-11	I28AWN-11
Cooling Capacity (Min/Rating/Max)	kW	0.89/2.50/3.70	0.89/3.50/4.04	0.90/5.20/6.00	0.90/7.40/8.65	0.90/8.00/9.20
Heating Capacity (Min/Rating/Max)	kW	0.89/3.21/5.00	0.89/4.00/6.00	0.90/6.30/9.00	0.90/8.60/11.40	0.90/9.60/12.00
Voltage.Frequency/Phase	V.Hz/ø	220-240.50/1	220-240.50/1	220-240.50/1	220-240.50/1	220-240.50/1
Power Input	Cooling/Heating W	560/730	900/980	1500/1650	2350/2450	2580/2780
Running Current	Cooling/Heating A	2.7 / 3.3	4.1 / 4.4	6.6 / 7.3	10.4/10.9	11.5/12.3
Starting Current	Cooling/Heating A	2.7 / 3.3	4.1 / 4.4	6.6 / 7.3	10.4/10.9	11.5/12.3
AEER rated (part load)	W/W	4.47	3.89	3.46	3.16 (3.64)	3.10 (4.28)
ACOP rated (part load)	W/W	4.40	4.10	3.85	3.63 (4.46)	3.46 (4.40)
Star Rating	Cooling/Heating	4.0/4.0	3.0/3.5	2.0 / 3.0	1.5/2.5	1.5/2.0
Air Flow Rate	Indoor,Max.	l/s	200.0	200.0	325.0	366.7
Moisture Removal	l/h (pts/h)	1.7(3.6)	1.7(3.6)	1.9(4.0)	2.6(5.4)	2.8(5.9)
Noise Level (SPL)	Indoor(high/low) / Outdoor(High) (SPL)	dB(A)±3	38/23 / 45	39/23 / 45	42/35 / 51	47/35 / 52
	Sleep	dB(A)±3	19	19	29	29
Refrigerant (R410A) Charge(7.5m)	g (oz)	1000(35.3)	1000(35.3)	1350(47.62)	1800(63.49)	1800(63.49)
Max Pipe Run	(m)	20	20	20	30	30
Connecting Cable	P*mm ²	4*1.0	4*1.0	4*1.5	4*2.5	4*2.5
Additional Refrigerant	(g/meter)	20	20	20	35	35
Plug Size		10 amp	10 amp	15 amp	20 amp	20 amp
Operating range (outdoor)	Cooling	°C	-10 - 48	-10 - 48	-10 - 48	-10 - 48
	Heating	°C	-10 - 24	-10 - 24	-10 - 24	-10 - 24
Net Dimension	Indoor (W*H*D)	mm	885*285*205	885*285*205	1030*325*245	1030*325*245
	Outdoor(W*H*D)	mm	770*545*288	770*545*288	870*655*320	870*800*320
Net Weight	Indoor/Outdoor	(kg)	10/35	10/35	15.5/46	15.5/60
	Liquid	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52(3/8)
Service Valve(ø)	Gas	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7(1/2)	15.88(5/8)
	Outdoor sound power level (SWL)	dB(A)	58	58	65	66

Feature	I09AWN-11	I12AWN-11	I18AWN-11	I24AWN-11	I28AWN-11
Plasma Air Purifying System	•	•	•	•	•
Deodorizing filter + Allergy reduction filter	•	•	•	•	•
Powerful Air Throw	-	-	•	•	•
Auto Cleaning	•	•	•	•	•
Durable Coating	•	•	•	•	•
Auto Changeover	•	•	•	•	•
Jet Cool / Jet Heat	•	•	•	•	•
Natural Wind By CHAOS Swing	•	•	•	•	•
4-Way Auto Swing	•	•	•	•	•
Wireless Remote Controller (Luminous)	•	•	•	•	•
Sleep Mode	•	•	•	•	•
Dehumidification Mode	•	•	•	•	•
Auto Restart	•	•	•	•	•
24-Hour ON / OFF Setting Timer	•	•	•	•	•
Low ambient operation	•	•	•	•	•
Hot Start	•	•	•	•	•
Colour Panel (Blue / Silver)	-	-	-	-	-
Wired Remote Controller	option	option	option	option	option
Dry Contact	option	option	option	option	option
Simple Central Controller (A)	-	-	option	option	option
Function Controller & Scheduler (B)	-	-	option	option	option
PI485 (**A&B Should be connected with PI485)	-	-	option	option	option

Note

- Due to our policy of innovation some specifications may be changed without notification.
- Cooling Capacities are based on an indoor air temp 27°C DB 19°C WB and outdoor air temp. 35°C DB and 24°C WB in accordance with AS/NZS3823.1.1.
- Actual cooling & heating capacity will vary as ambient temperature varies. Please consult your LG sales representative for performance data outside of AS/NZS3823.1.1. standard conditions.
- Information contained in this brochure is a guide only and LG strongly recommends that you ask for advice from specialist installers and retailers, who can assist with measuring rooms and testing. Specialists can tell you the best size and type of air conditioner suited for your needs.
- Sound level are determined in an anechoic chamber at a distance of 1m, in accordance to KSC9306.
- Actual installed noise levels will vary depending on the installed location.
- AEER=Annual Energy Efficiency Ratio for cooling.
- ACOP=Annual Coefficient of Performance for heating.In accordance with AS/NZS 3823.2
- Sound power level specification is measured at reverberant room according to ISO 3741

ART COOL

Mirror



ART COOL

Stylish

* Quiet Operation / Available on Models : R09AWN-11, R12AWN-11

* Powerful Airflow / Available on models : R18AWN-11, R22AWN-11, R24AWN-11, R28AWN-11



R09AWN-UB11 R18AWN-UC11 R22AWN-UC11
R12AWN-UB11 R24AWN-UC11 R28AWN-UC11



Model		R09AWN-11	R12AWN-11	R18AWN-11	R22AWN-11	R24AWN-11	R28AWN-11
Cooling Capacity (Min/Rating/Max)	kW	0.89/2.50/3.70	0.89/3.50/4.04	0.90/5.20/6.00	0.90/6.50/8.65	0.90/7.40/8.65	0.90/8.00/9.20
Heating Capacity (Min/Rating/Max)	kW	0.89/3.21/5.00	0.89/4.00/6.00	0.90/6.30/9.00	0.90/7.10/11.40	0.90/8.60/11.40	0.90/9.60/12.00
Voltage.Frequency/Phase	V.Hz/ø	220-240.50/1	220-240.50/1	220-240.50/1	220-240.50/1	220-240.50/1	220-240.50/1
Power Input	Cooling/Heating W	560/730	900/980	1500/1650	1920/1820	2350/2450	2580/2780
Running Current	Cooling/Heating A	2.7 / 3.3	4.1 / 4.4	6.6 / 7.3	8.5/8.1	10.4/10.9	11.5/12.3
Starting Current	Cooling/Heating A	2.7 / 3.3	4.1 / 4.4	6.6 / 7.3	8.5/8.1	10.4/10.9	11.5/12.3
AEER rated (part load)	W/W	4.47	3.89	3.46	3.46	3.16 (3.64)	3.10 (4.28)
ACOP rated (part load)	W/W	4.4	4.1	3.85	4.09	3.63 (4.46)	3.46 (4.40)
Star Rating	Cooling/Heating	4.0/4.0	3.0/3.5	2.0/3.0	2.0/3.5	1.5/2.5	1.5/2.0
Air Flow Rate	Indoor,Max. l/s	200	200	325	366.7	366.7	383.3
Moisture Removal	l/h (pts/h)	1.7 (3.6)	1.7 (3.6)	1.9 (4.0)	2.6(5.4)	2.6 (5.4)	2.8 (5.9)
Noise Level (SPL)	Indoor(high/low) / Outdoor(High) (SPL)	dB(A)±3	38/23 / 45	39/23 / 45	42/35 / 51	45/35 / 52	47/35 / 52
	Sleep	dB(A)±3	19	19	29	29	29
Refrigerant (R410A) Charge(7.5m)	g (oz)	1000 (35.3)	1000 (35.3)	1350 (47.62)	1800(63.49)	1800 (63.49)	1800 (63.49)
Max Pipe Run	(m)	20	20	20	30	30	30
Connecting Cable	P*mm²	4*1.0	4*1.0	4*1.5	4*2.5	4*2.5	4*2.5
Additional Refrigerant	(g/meter)	20	20	20	35	35	35
Plug Size		10 amp	10 amp	15 amp	20 amp	20 amp	20 amp
Operating range (outdoor)	Cooling	°C	-10 ~ -48	-10 ~ -48	-10 ~ -48	-10 ~ -48	-10 ~ -48
	Heating	°C	-10 ~ -24	-10 ~ -24	-10 ~ -24	-10 ~ -24	-10 ~ -24
Net Dimension	Indoor (W*H*D)	mm	885*285*210	885*285*210	1030*325*250	1030*325*250	1030*325*250
	Outdoor(W*H*D)	mm	770*545*288	770*545*288	870*655*320	870*800*320	870*800*320
Net Weight	Indoor/Outdoor	(kg)	10/35	10/35	17/46	17/60	17/60
	Liquid	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52(3/8)	9.52 (3/8)
Service Valve(e)	Gas	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88(5/8)	15.88 (5/8)
	Outdoor sound power level (SWL)	dB(A)	58	58	65	66	66

Feature	R09AWN-11	R12AWN-11	R18AWN-11	R22AWN-11	R24AWN-11	R28AWN-11
Plasma Air Purifying System	•	•	•	•	•	•
Deodorizing filter + Allergy reduction filter	•	•	•	•	•	•
Powerful Air Throw	-	-	•	•	•	•
Auto Cleaning	•	•	•	•	•	•
Durable Coating	•	•	•	•	•	•
Auto Changeover	•	•	•	•	•	•
Jet Cool / Jet Heat	•	•	•	•	•	•
Natural Wind By CHAOS Swing	•	•	•	•	•	•
4-Way Auto Swing	•	•	•	•	•	•
Wireless Remote Controller (Luminous)	•	•	•	•	•	•
Sleep Mode	•	•	•	•	•	•
Dehumidification Mode	•	•	•	•	•	•
Auto Restart	•	•	•	•	•	•
24-Hour ON / OFF Setting Timer	•	•	•	•	•	•
Low ambient operation	•	•	•	•	•	•
Hot Start	•	•	•	•	•	•
Colour Panel (Blue / Silver)	option	option	option	option	option	option
Wired Remote Controller	option	option	option	option	option	option
Dry Contact	option	option	option	option	option	option
Simple Central Controller (A)	-	-	option	option	option	option
Function Controller & Scheduler (B)	-	-	option	option	option	option
PI485 (**A&B Should be connected with PI485)	-	-	option	option	option	option

Note

- Due to our policy of innovation some specifications may be changed without notification.
- Cooling Capacities are based on an indoor air temp 27°C DB 19°C WB and outdoor air temp. 35°C DB and 24°C WB in accordance with AS/NZS3823.1.1.
- Actual cooling & heating capacity will vary as ambient temperature varies. Please consult your LG sales representative for performance data outside of AS/NZS3823.1.1. standard conditions.
- Information contained in this brochure is a guide only and LG strongly recommends that you ask for advice from specialist installers and retailers, who can assist with measuring rooms and testing. Specialists can tell you the best size and type of air conditioner suited for your needs.
- Sound level are determined in an anechoic chamber at a distance of 1m, in accordance to KSC9306.
- Actual installed noise levels will vary depending on the installed location.
- AEER=Annual Energy Efficiency Ratio for cooling.
- ACOP=Annual Coefficient of Performance for heating. In accordance with AS/NZS 3823.2
- Sound power level specification is measured at reverberant room according to ISO 3741

ART COOL

Econo

* Quiet Operation / Available on Models : E09AWN-11, E12AWN-11

* Powerful Airflow / Available on models : E18AWN-11, E22AWN-11, E24AWN-11, E28AWN-11



R09AWN-UB11 R18AWN-UC11 R22AWN-UC11
R12AWN-UB11 R24AWN-UC11 R28AWN-UC11



Model		E09AWN-11	E12AWN-11	E18AWN-11	E22AWN-11	E24AWN-11	E28AWN-11
Cooling Capacity (Min/Rating/Max)	kW	0.89/2.50/3.70	0.89/3.50/4.04	0.90/5.20/6.00	0.90/6.50/8.65	0.90/7.40/8.65	0.90/8.00/9.20
Heating Capacity (Min/Rating/Max)	kW	0.89/3.21/5.00	0.89/4.00/6.00	0.90/6.30/9.00	0.90/7.10/11.40	0.90/8.60/11.40	0.90/9.60/12.00
Voltage.Frequency/Phase	V.Hz/ø	220-240.50/1	220-240.50/1	220-240.50/1	220-240.50/1	220-240.50/1	220-240.50/1
Power Input	Cooling/Heating W	560/730	900/980	1500/1650	1920/1820	2350/2450	2580/2780
Running Current	Cooling/Heating A	2.7 / 3.3	4.1 / 4.4	6.6 / 7.3	8.5/8.1	10.4/10.9	11.5/12.3
Starting Current	Cooling/Heating A	2.7 / 3.3	4.1 / 4.4	6.6 / 7.3	8.5/8.1	10.4/10.9	11.5/12.3
AEER rated (part load)	W/W	4.47	3.89	3.46	3.46	3.16 (3.64)	3.10 (4.28)
ACOP rated (part load)	W/W	4.4	4.1	3.85	4.09	3.63 (4.46)	3.46 (4.40)
Star Rating	Cooling/Heating	4.0/4.0	3.0/3.5	2.0 / 3.0	2.0/3.5	1.5/2.5	1.5/2.0
Air Flow Rate	Indoor,Max. l/s	200	200	325	366.7	366.7	383.3
Moisture Removal	l/h (pts/h)	1.7(3.6)	1.7(3.6)	1.9(4.0)	2.6(5.4)	2.6(5.4)	2.8(5.9)
Noise Level (SPL)	Indoor(high/low) / Outdoor(High) (SPL)	dB(A)±3	38/23 / 45	39/23 / 45	42/35 / 51	45/35 / 52	47/35 / 52
	Sleep	dB(A)±3	19	19	29	29	29
Refrigerant (R410A) Charge(7.5m)	g (oz)	1000(35.3)	1000(35.3)	1350(47.62)	1800(63.49)	1800(63.49)	1800(63.49)
Max Pipe Run	(m)	20	20	20	30	30	30
Connecting Cable	P*mm²	4*1.0	4*1.0	4*1.5	4*2.5	4*2.5	4*2.5
Additional Refrigerant	(g/meter)	20	20	20	35	35	35
Plug Size		10 amp	10 amp	15 amp	20 amp	20 amp	20 amp
Operating range (outdoor)	Cooling	°C	-10 ~ -48	-10 ~ -48	-10 ~ -48	-10 ~ -48	-10 ~ -48
	Heating	°C	-10 ~ -24	-10 ~ -24	-10 ~ -24	-10 ~ -24	-10 ~ -24
Net Dimension	Indoor (W*H*D)	mm	885*285*210	885*285*210	1030*325*250	1030*325*250	1030*325*250
	Outdoor(W*H*D)	mm	770*545*288	770*545*288	870*655*320	870*800*320	870*800*320
Net Weight	Indoor/Outdoor	(kg)	10/35	10/35	17/46	17/60	17/60
	Liquid	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52(3/8)	9.52 (3/8)
Service Valve(e)	Gas	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Outdoor sound power level (SWL)	dB(A)	58	58	65	66	66





Feature	E09AWN-11	E12AWN-11	E18AWN-11	E22AWN-11	E24AWN-11	E28AWN-11
Plasma Air Purifying System	-	-	-	-	-	-
Deodorizing filter + Allergy reduction filter	•	•	•	•	•	•
Powerful Air Throw	-	-	•	•	•	•
Auto Cleaning	•	•	•	•	•	•
Durable Coating	•	•	•	•	•	•
Auto Changeover	•	•	•	•	•	•
Jet Cool / Jet Heat	•	•	•	•	•	•
Natural Wind By CHAOS Swing	•	•	•	•	•	•
2-Way Auto Swing	•	•	•	•	•	•
Wireless Remote Controller (Luminous)	•	•	•	•	•	•
Sleep Mode	•	•	•	•	•	•
Dehumidification Mode	•	•	•	•	•	•
Auto Restart	•	•	•	•	•	•
24-Hour ON / OFF Setting Timer	•	•	•	•	•	•
Low ambient operation	•	•	•	•	•	•
Hot Start	•	•	•	•	•	•
Colour Panel (Blue / Silver)	-	-	-	-	-	-
Wired Remote Controller	option	option	option	option	option	option
Dry Contact	option	option	option	option	option	option
Simple Central Controller (A)	-	-	option	option	option	option
Function Controller & Scheduler (B)	-	-	option	option	option	option
PI485 (**A&B Should be connected with PI485)	-	-	option	option	option	option

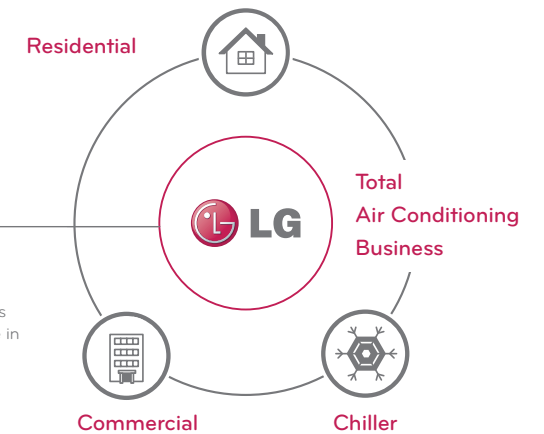
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- Sound power level specification is measured at reverberant room according to ISO 3741

Brand Power

LG's consistent efforts in innovation have made LG Air Conditioning and Energy Solution a true global leader in HVAC businesses.

			
1958	1968	1990	1995
Founded as GoldStar	Manufactured Korea's first air conditioner	Produced first rotary compressor	Changed company name to LG Electronics
			1998
			Produced Korea's first commercial air conditioner
			2000
			Became global leading seller of residential air conditioners
			Developed the solution for world's first internet-enabled refrigerator
			2001
			Introduced world first picture frame air conditioner
			2002
			Launched LG HomNet Brand
			Introduced world first two-in-one air conditioner
			2004
			Achieved world's highest annual sales in air conditioners of 10 million units
			2008
			Reached total global sales of 100 million air conditioner units for the first time in the industry



Launched in 2009, LG Electronics Air Conditioning & Energy Solution Company (LG AE) provides total solutions in heating, ventilation, air conditioning (HVAC) and energy. LG AE's offerings include residential and commercial air conditioners, lighting, home and building management systems, and hotel solutions.

LG AE was formed as part of the company's strategic plan to expand its business horizons to the B2B sector, reinforcing its presence in the commercial products and solutions business. In 2010, along with aggressive reinforcement of its position in commercial air conditioning, LG

established lighting businesses to further increase its focus on B2B and on energy efficient business solutions. Based on its great success in the consumer market, the new Air Conditioning and Energy Solution Company allows LG to be more competitive in the commercial heating, ventilation, air conditioning (HVAC) and energy businesses worldwide. LG expects its strength in air conditioners to become a strong driver of growth for the entire company as the industry expands.

Through its relentless efforts in innovation and development, LG AE is continuing to consolidate its leadership as a global HVAC and energy solution company, with a central focus on energy efficiency.



Quality Control

Standard Test Procedure

Object	Name	Spec.	Check
Coil Temp Rising	Coil Temp Rising	Yes	Check
Water Sprinkling	Water Sprinkling	No	Check
EMC	EMC	Yes	Check
Wrong Wiring	Wrong Wiring	No	Check
High Temperature	High Temperature	Yes	Check
Low Temperature	Low Temperature	Yes	Check
Hi Humidity	Hi Humidity	Yes	Check
Low Humidity	Low Humidity	Yes	Check
Product Liability	Product Liability	Yes	Check
Noise	Noise	Yes	Check
Vibration-Comp	Vibration-Comp	Yes	Check
Cabinet	Cabinet	Yes	Check
RPM Test	RPM Test	Yes	Check
Minimum Speed	Minimum Speed	Yes	Check
Maximum Speed	Maximum Speed	Yes	Check
Fan Lock	Fan Lock	Yes	Check

Object	Name	Spec.	Check
High Temperature	High Temperature	Yes	Check
Low Temperature	Low Temperature	Yes	Check
Hi Humidity	Hi Humidity	Yes	Check
Low Humidity	Low Humidity	Yes	Check
Product Liability	Product Liability	Yes	Check
Noise	Noise	Yes	Check
Vibration-Comp	Vibration-Comp	Yes	Check
Cabinet	Cabinet	Yes	Check
RPM Test	RPM Test	Yes	Check
Minimum Speed	Minimum Speed	Yes	Check
Maximum Speed	Maximum Speed	Yes	Check
Fan Lock	Fan Lock	Yes	Check

Object	Name	Spec.	Check
Product Liability	Product Liability	Yes	Check
Noise	Noise	Yes	Check
Vibration-Comp	Vibration-Comp	Yes	Check
Cabinet	Cabinet	Yes	Check
RPM Test	RPM Test	Yes	Check
Minimum Speed	Minimum Speed	Yes	Check
Maximum Speed	Maximum Speed	Yes	Check
Fan Lock	Fan Lock	Yes	Check

Safety

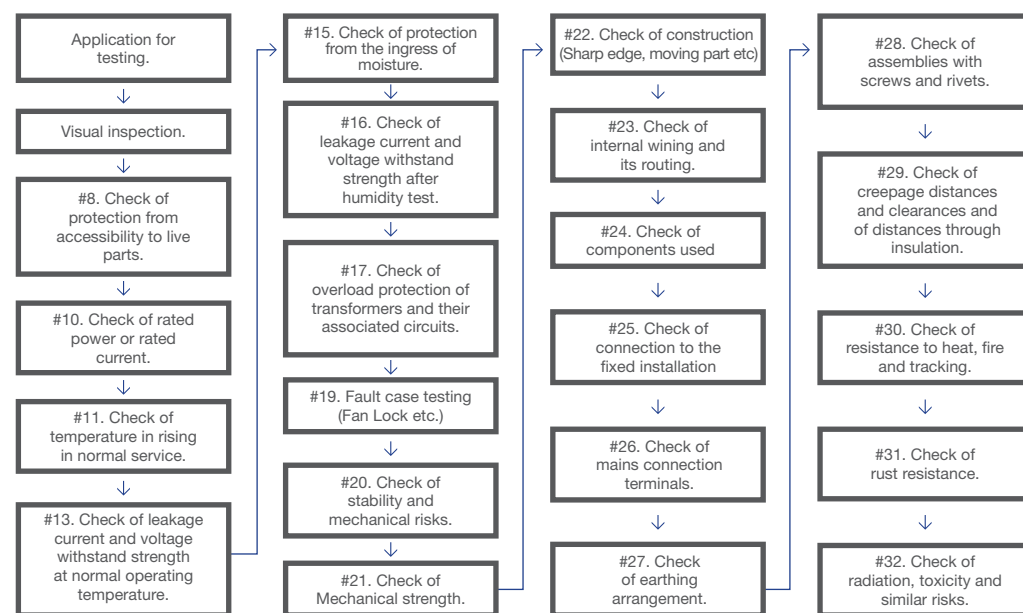
Fan Lock /
Coil Temp Rising /
Water Sprinkling /
EMC /
Wrong Wiring /
ETC

Circumstances

High /
Low Temperature /
Hi Humidity /
ETC

Reliability

Product Liability /
Noise /
Vibration-Comp, Cabinet /
RPM Test /
ETC

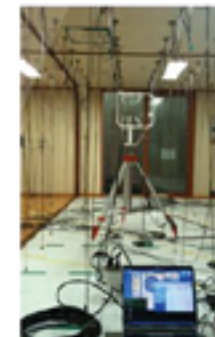


Quality Assurance Lab

Testing labs are equipped with certified equipment and facilities to ensure product reliability and leading technology



Noise Testing Chamber



Environmental Testing Chamber



Long Piping and Elevation Testing

Energy Lab

LG EnergyLab, located in the small town of Wagnies-Le-Petit, near Valenciennes, North of France, is used to field-test upcoming Residential and Commercial Air Conditioning and Heating products. The aim of the Lab is to guarantee the reliability of the new air conditioning & heating products in all seasons, even in extreme weather conditions, before they are commercially available.

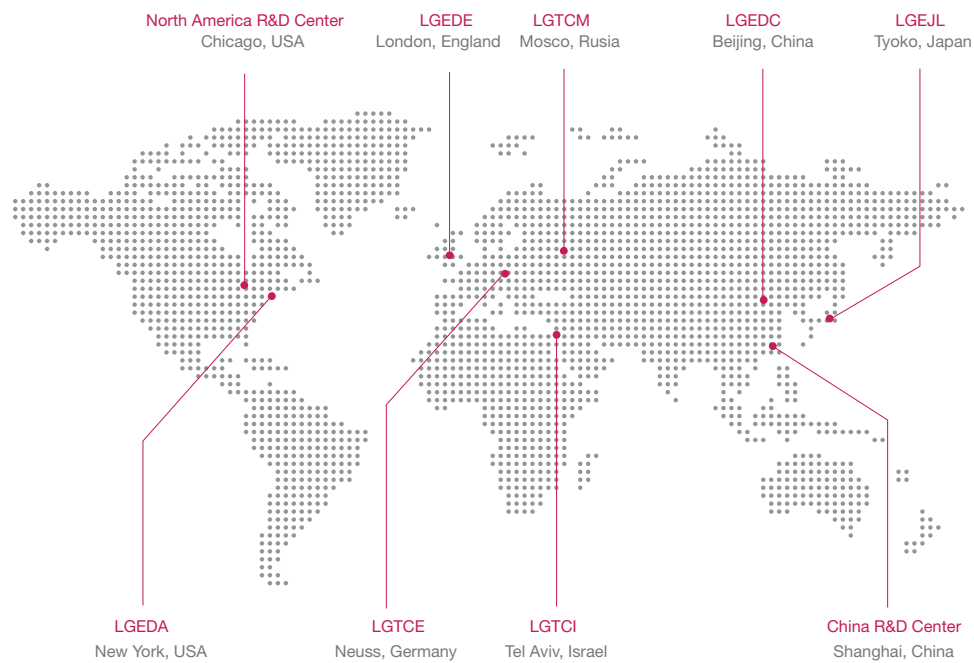


Research & Development

LG Research & Development Center

LG Electronics possess over 30 R&D centers around the globe in countries including Korea, United States, China, Russia, Germany, Israel, Japan, France, India, and etc.

Each research center is focused on procuring technology unique to LG, as well as strengthening core competitiveness applicable in all areas of business and developing the engine for future growth.



LG Air Conditioning Academy

The Academy and its advanced programs provide reliable and trustworthy support to guarantee ultimate comfort.



Awards

LG air conditioners have been recognized in both outstanding performance and stylish design by diverse world renowned organizations in the form of having received many different prestigious awards.

