

Split System Air Conditioners

Take Control
Save More



Premium



Take Control Save More

LG Electronics Inverter V series includes the flagship model, the Premium Inverter V, as well as the more affordable Classic Inverter V. Both products are equipped with technologies that help you to take control of your energy consumption.

The Active Energy Control function enables consumers to limit electricity consumption with the touch of a button on the remote control. In addition the LG Wi-Fi Smart Control app (available on the Premium Series, for iOS & Android operating systems) allows users to remotely control & monitor their LG Split System.

As well as providing smart air conditioning technologies, our Premium range of air conditioners help to create a purified home environment through air purifying technology. A series of air filters on the indoor units can remove airborne viruses, allergens, and even odours. In addition to improved air quality. The LG indoor units can operate at low noise levels, creating a quieter environment.

At LG, we strive to continually improve and implement technology for the benefit and convenience of our customers around the world.





Model Line-Up

Premium



*Image for P 18,24,28 models

Indoor : P09AWN-NM14	Cooling: ★★★★★
Outdoor : P09AWN-UM14	Heating: ★★★★★
Set : P09AWN-14	
Indoor : P12AWN-NM14	Cooling: ★★★★★
Outdoor : P12AWN-UM14	Heating: ★★★★★
Set : P12AWN-14	
Indoor : P18AWN-N214	Cooling: ★★★★★
Outdoor : P18AWN-U214	Heating: ★★★★★
Set : P18AWN-14	
Indoor : P24AWN-N214	Cooling: ★★★★★
Outdoor : P24AWN-U214	Heating: ★★★★★
Set : P24AWN-14	
Indoor : P28AWN-N214	Cooling: ★★★★★
Outdoor : P28AWN-U214	Heating: ★★★★★
Set : P28AWN-14	

Classic



*Image for E32 model

Indoor :E32AWN-NV13	Cooling: ★★
Outdoor : E32AWN-UV13	Heating: ★★
Set: E32AWN-13	
















Key Features



Premium



Classic

Smart Energy Usage		Active Energy Control	<div></div>	<div></div>
		Wi-Fi Smart Control	<div></div>	
		Standby Mode	<div></div>	<div></div>
		D.R.E.D	<div></div>	<div></div>
Clean, Purified Air		Plasmaster [™] Ioniser ^{PLUS}	<div></div>	
		MICO Dust Filter <small>Powered by 3M Tech</small>	<div></div>	
		Dust Protection Filter	<div></div>	<div></div>
		Plasmaster [™] Auto Cleaning	<div></div>	
		Auto Cleaning		<div></div>
Quiet & Comfortable		BLDC Motor	<div></div>	<div></div>
		Sleep Mode Sound Level	<div>Available on 9/12 models</div>	
		Outdoor Quiet Mode	<div></div>	<div></div>
		Skew Fan	<div></div>	<div></div>
Versatile Cooling		4-Way Swing	<div></div>	<div></div>
		Jet Cool	<div></div>	<div></div>
Control		Dry Contact	<div></div>	<div></div>



Active Energy Control

Experience the LG efficient inverter air conditioning technologies

Allows you to cap energy consumption to improve energy efficiency and reduce power consumption at a reduced cooling output.

How It Works

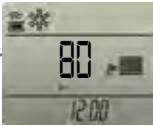
Pressing the Energy control button on the remote reduces power usage by limiting the maximum speed of the compressor

Normal Mode

Normal Inverter controlled operation.

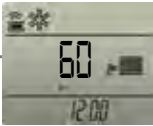
Energy Control Level 1

Push 'ENERGY CONTR' button once to select Level 1, capping power consumption to 80%.



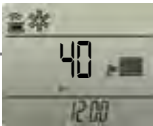
Energy Control Level 2

Push 'ENERGY CONTR' button twice to select Level 2, capping power consumption to 60%



Energy Control Level 3

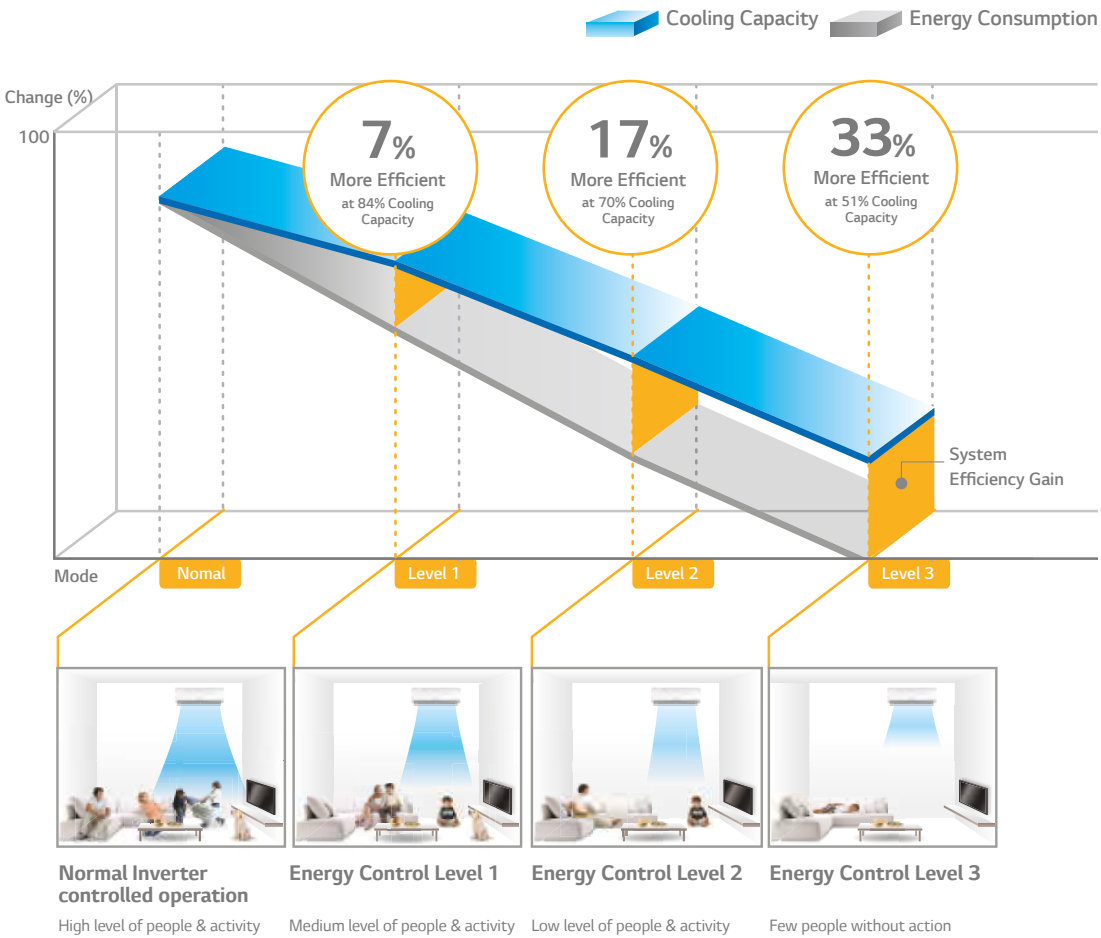
Push 'ENERGY CONTR' button triple to select Level 3, capping power consumption to 40%





Function of Active Energy Control

Active Energy Control governs electricity consumption in cooling mode, providing improved efficiency at a reducing cooling output.



[Test condition] Test Standard AS/NZS 3823.1.1 / Normal Temperature (Indoor Temperature : 27°C, Outdoor Temperature : 35°C)

*Tested for P series



Wi-Fi Smart Control[#]

Premium Series

Experience the LG smart inverter air conditioning technologies

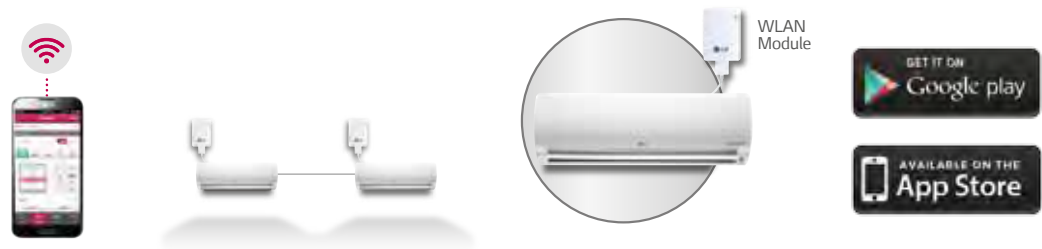
Wi-Fi Smart Control can help you to keep your running costs down, by providing you with energy usage information in real time and alerting you when your electricity consumption is about to reach your pre-set limits.

[#] WLAN Module required. Feature can be accessed using LG Smart AC app on Android or iOS smartphone.

Easy Connectivity

The LG Smart AC app lets you access and control your air conditioner using your smartphone.

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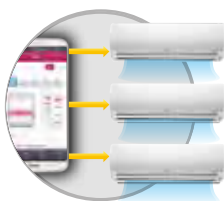


Improved convenience

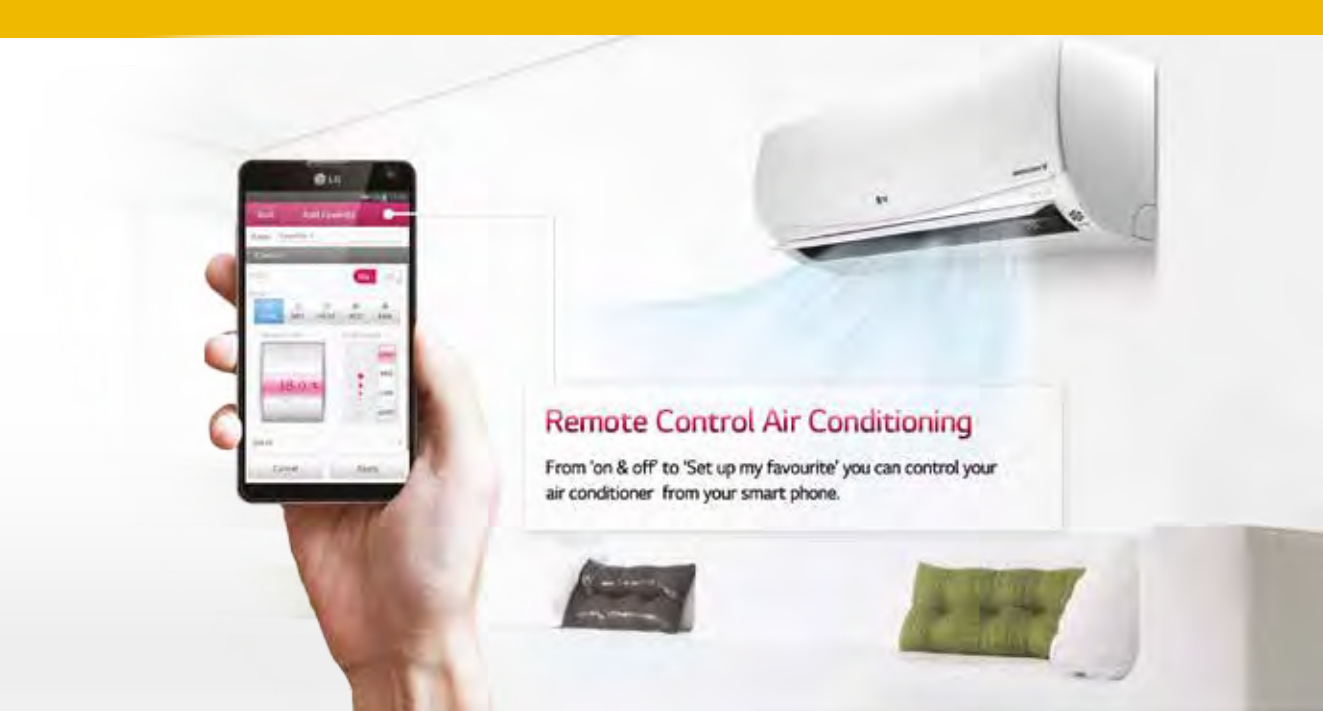
The LG Smart AC app and Wi-Fi adapter let you easily access and control your air conditioner from your mobile phone. Up to five users can connect to one unit, although only one user can control the unit at a time. A user can individually control multiple units using the app.



Multiple users



Multi Control



'My Energy Consumption' and 'Get Alerts'

Provides current and accumulated electricity consumption data daily, weekly, and monthly; alerting you when electricity consumption hits your pre-programmed limit.



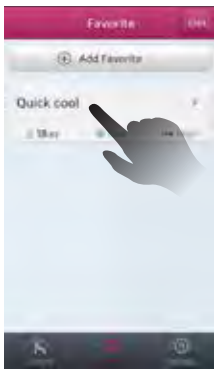
Setting up 'My Favourite Control'

Enables you to save and easily access your favourite settings.



1

Set your preferred temperature, fan speed, air flow, operation mode (cool/dry/heat) and save in a special icon.





2

Just touch the icon to initiate your chosen settings.

WLAN Module

• Wi-Fi 802.11b,g,n

Recommended device

- Apple iPhone (iOS5 or Higher) 
- Android phone (ver. 4.04 or Higher) 

■ Wi-Fi Dongle required.
(Sold separately for use with P Series models.)

Model name - PCRCUDT3 or PCRCUDT2





Standby Mode

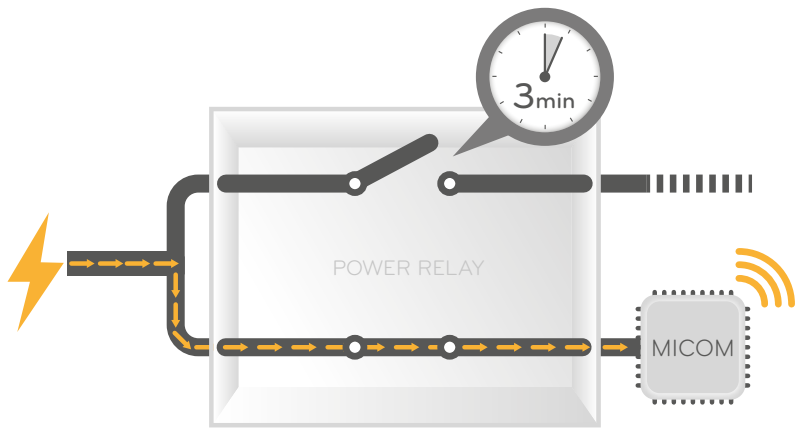
Experience the LG efficient inverter air conditioning technologies

The Standby Mode feature minimises standby electricity consumption when the air conditioner is not in use.



How it works

The Standby Mode operates three minutes after the air conditioner is turned off via the remote control. The Standby Mode removes power from the outdoor unit and only powers the indoor unit remote control receiver circuitry, saving unnecessary power consumption in the outdoor unit.



D.R.E.D

Demand Response Enabled Device*

The Demand Response Modes may be activated by the electricity supplier during periods of peak grid demand. Some electricity suppliers provide a rebate when a DRED enabled air conditioner is installed. You should consult your electricity supplier for further information, including rebate conditions.

*DRED compatible. A Demand Response Enabled Device is required at the time of installation to activate the demand response modes. Available from your installing electrician.



Plasmaster™
Ioniser^{PLUS}

3 million
Plasmaster
Ions

The Plasmaster Ioniser generates over 3 million plasma ions, which filtrate the air in the indoor environment and inside the air conditioning unit itself.



Filtration and Deodorisation

Deodorisation



Ammonia Etc.



Food / Cooking Odors



Substances that cause sick house syndrome, including furniture adhesives



Filtration



Bacteria

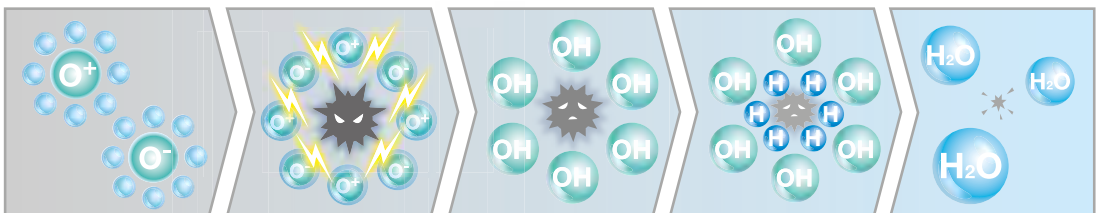


Pollen



Fungi

How it works



1

Ion Cluster Generation

(+)(-) Ion clusters are generated by polar bonding H_2O molecules in the air.

2

Harmful Substance Surrounded

Ions surround harmful substances such as germs, bacteria, and viruses.

3

OH Radical Production

OH radical is produced through chemical reaction.

4

Chemical Reaction

OH radicals react with harmful substances.

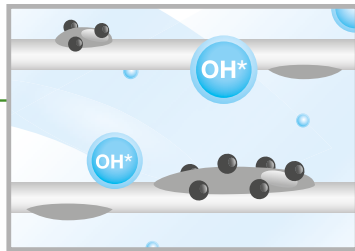
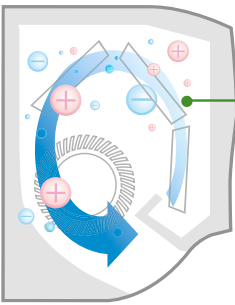
5

Filtration

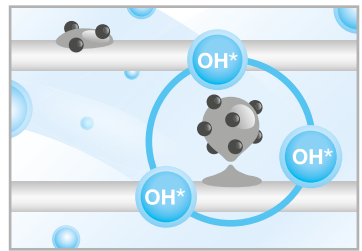
Substances are transformed into H_2O molecules, leaving the air clean.

Plasmaster™ **Auto Cleaning**

The auto cleaning function helps to minimise the formation of mould & bacteria on the heat exchanger.



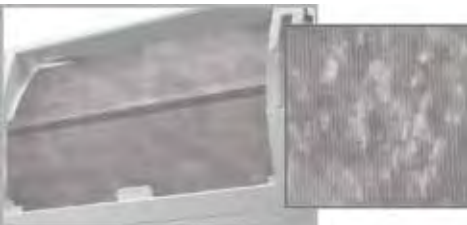
The interior of the air conditioner dries out automatically after use.



The ion sterilisation function helps to remove germs and mould.

Conventional VS Auto Cleaning

Conventional



The main cause of odour within air conditioners is mould and bacteria in the heat exchanger. When the indoor coil is wet, organisms breed, creating odours.



Auto Cleaning



The automatic cleaning function dries the wet indoor coil to prevent mould and bacteria from breeding; thereby helping to eliminate odour without the need for frequent cleaning.



Dual Layer Filtration

MiCRO Dust Filter

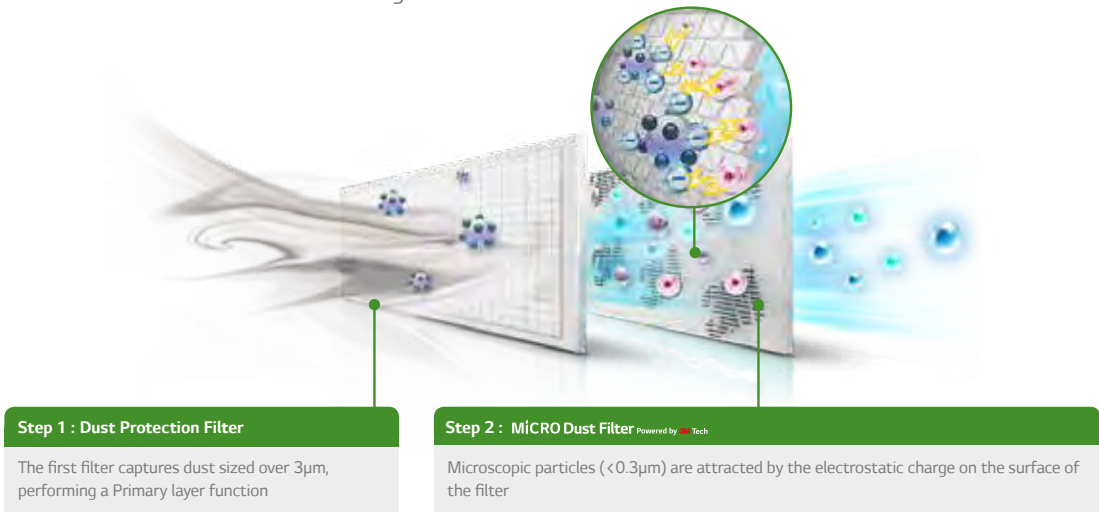
Powered by 3M Tech

The Micro Dust Filter uses electrostatic charges to capture microscopic particles including allergens such as pollen & dust.

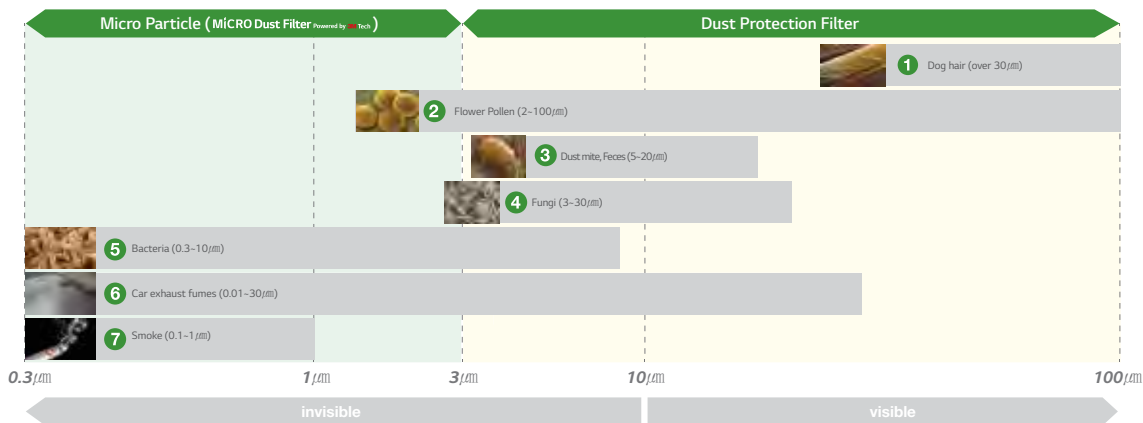


How Filtration works

Household environments contain micro particles such as bacteria, smoke, fungi and viruses which can increase the risk of asthma and allergic reactions.



Indoor allergen particles

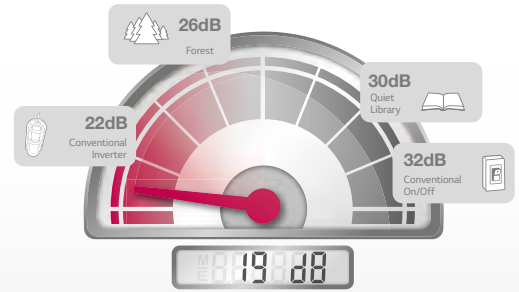


Sleep Mode Sound Level

The LG skew fan and low vibration BLDC motor technology achieve low sound levels.

The low noise level in sleep mode creates a quieter sleeping environment.

P09 & P12 indoor units achieve 19db, a noise level which is lower than that of a quiet library



On the decibel scale, the smallest audible sound (near total silence) is 0 dB. A sound 10 times more powerful is 10 dB. A sound 100 times more powerful than near total silence is 20 dB. A sound 1,000 times more powerful than near total silence is 30 dB. Here are some common sounds and their decibel ratings:

- Near total silence - 0 dB
- A whisper - 15 dB
- Normal conversation - 60 dB

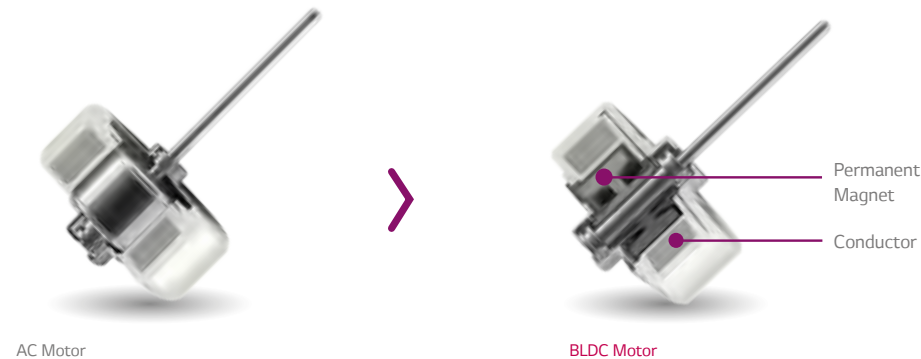
LG Skew Fan

Tilting the fan blades by 15° reduces the air surface pressure on the fan, resulting in reduced peak air noise.



Brushless DC Fan motor (BLDC)

The BLDC motor is made up of powerful ND magnets providing high torque, resulting in the ability to provide large air volume and high static pressure capability. This allows high speed operation at reduced electrical and mechanical noise.



- AC Motor
- Low Efficiency
 - Higher operating temperature
 - Difficult to precisely control fan speed

- BLDC Motor
- Low Electrical and mechanical noise
 - Precise speed control
 - Durable



Outdoor Quiet Mode

The LG skew fan and low vibration compressor technology

The LG skew fan and low vibration compressor technology lower the sound level of the outdoor unit by up to 3dBA, and also reduce the sound level of the indoor unit.



Press button on remote.



Controls outdoor Compressor



Optimised 4-Way Airflow

4-way swing disperses cool air quickly and effectively in multiple directions.

Maximised
Movement



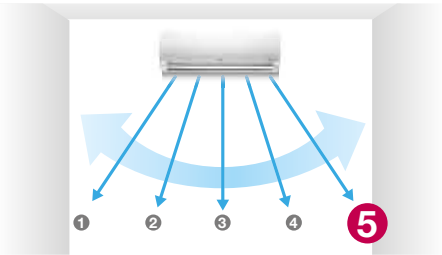
4 way Auto swing (Easy Airflow control)

4 Way Swing enables you to control air direction according to the room's needs.



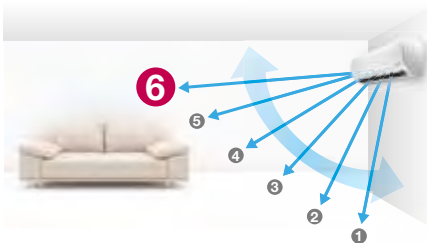
Horizontal Air flow

The direction of air flow can be adjusted in 5 steps, from left to right and auto swing. This function allows air to be directed horizontally in a fixed direction.



Vertical Air flow

The air flow can be altered in 6 steps to limit the height of the air flow. An auto swing mode is included to provide a varying vertical air flow.





Jet Cool

By utilising the Jet Cool function, more powerful airflow can be dispersed quickly to reach your desired room temperatures at a faster rate.

Faster
Cooling





Remote Control

The air conditioning system can be controlled by using different types of controllers, including the wireless remote control featured below. Consult your local dealer about other types of remote controllers available.



Premium



- | | |
|--------------------------------------|-------------------------------------|
| 1 Ioniser | 8 Indoor Fan Speed |
| 2 Energy Control | 9 Airflow Control (Up and Down) |
| 3 Silent (reduce Outdoor Unit noise) | 10 Airflow Control (Left and Right) |
| 4 On / Off | 11 Room Temperature |
| 5 Temperature Setting | 12 Sleep Mode |
| 6 Operation Mode | 13 Timer |
| 7 Jet Cool / Jet Heat | 14 Set / Clear |

Classic





- | | |
|--------------------------------------|-------------------------------------|
| 1 Fan Mode | 8 Indoor Fan Speed |
| 2 Energy Control | 9 Airflow Control (Up and Down) |
| 3 Silent (reduce Outdoor Unit noise) | 10 Airflow Control (Left and Right) |
| 4 On / Off | 11 Room Temperature |
| 5 Temperature Setting | 12 Sleep Mode |
| 6 Operation Mode | 13 Timer |
| 7 Jet Cool / Jet Heat | 14 Set / Clear |



Commercial Application

Model						
	PCRCUDT3	PQRCVSL0QW	PQRCUDS0	PREMTA000	PQCSZ250S0	PQCSW421E0A
	(WIFI)	(STANDARD WIRED)	(DELUXE WIRED)	(Premium WIRED)	(AC EZ)	(AC SMART PREMIUM)
Requirment					PI485 card	PI485 card
Premium Series						
P09AWN-NM14	✓	✓	X	X	X	X
P12AWN-NM14	✓	✓	X	X	X	X
P18AWN-N214	✓	✓	X	X	✓	✓
P24AWN-N214	✓	✓	X	X	✓	✓
P28AWN-N214	✓	✓	X	X	✓	✓
Classic Series						
E32AWN-13	X	✓	✓	✓	✓	✓

Model				
	PQDSBC	PQPC22N0	PQPC22A0	PQCSA21E0
	(DRY CONTACT)	(ACP STANDARD)	(ACP PREMIUM)	(AC MANAGER PLUS)
Requirment	one per indoor unit	PI485 card	PI485 card	PI485 card & AC premium
Premium Series				
P09AWN-NM14	✓	X	X	X
P12AWN-NM14	✓	X	X	X
P18AWN-N214	✓	✓	✓	✓
P24AWN-N214	✓	✓	✓	✓
P28AWN-N214	✓	✓	✓	✓
Classic Series				
E32AWN-13	✓	✓	✓	✓

Premium

Indoor Unit : P09AWN-NM14 / Outdoor Unit : P09AWN-UM14
Indoor Unit : P12AWN-NM14 / Outdoor Unit : P12AWN-UM14
Indoor Unit : P18AWN-N214 / Outdoor Unit : P18AWN-U214
Indoor Unit : P24AWN-N214 / Outdoor Unit : P24AWN-U214
Indoor Unit : P28AWN-N214 / Outdoor Unit : P28AWN-U214

■ WLAN Module required. Feature can be accessed using LG Smart AC app on Android or iOS smartphone.



P09AWN-UM14
P12AWN-UM14



System Model				P09AWN-14	P12AWN-14
Model Indoor Unit				P09AWN-NM14	P12AWN-NM14
Model Outdoor Unit				P09AWN-UM14	P12AWN-UM14
Indoor					
Cooling Capacity	Min	W		890	890
	Rated	W		2,500	3,500
	Max	W		3,700	4,040
Heating Capacity	Min	W		890	890
	Rated	W		3,200	4,000
	Max	W		5,000	6,000
Power Input	Cooling	Rated	W	518	862
	Heating	Rated	W	653	872
EER				4.83	4.06
COP				4.90	4.59
Energy Label (Star Rating)	Cooling			5.0	3.5
	Heating			5.0	4.5
Sound Pressure (Cooling)	Sleep/Low/Medium/High	dBA		19 / 23 / 33 / 38	19 / 23 / 33 / 39
Sound Pressure (Heating)	Low / Medium / High	dBA		23 / 33 / 38	23 / 33 / 39
Sound Power	Cooling	High	dBA	57	57
Air Flow Rate (Cooling)	Sleep/Low/Medium/High/Jet Cool	L/S		65 / 142 / 192 / 217 / 240	65 / 142 / 192 / 217 / 240
Air Flow Rate (Heating)	Low / Medium / High	L/S		158 / 208 / 275	158 / 208 / 275
Dehumidification Rate			l/h	1.2	1.3
Running Current	Cooling	Rated / Max	A	2.6 / 5.6	3.8 / 5.6
	Heating	Rated / Max	A	3.1 / 7.1	3.9 / 7.1
Starting Current	Cooling	Rated	A	2.6	3.8
	Heating	Rated	A	3.1	3.9
Dimension			mm	885*296*236	885*296*236
Net Weight			kg	11	11
Outdoor					
Operation Range	Cooling	Min-Max	°CDB	-10~48	-10~48
	Heating	Min-Max	°CDB	-15~24	-15~24
Sound Pressure	Cooling	High	dBA	45	45
	Heating	High	dBA	45	45
Sound Power	Cooling	High	dBA	65	65
Air Flow Rate		High	L/S	550	550
Compressor Type				Twin Rotary	Twin Rotary
Net Weight			kg	36	36
Dimension			mm	770*545*288	770*545*288
Refrigerant Base Charge (R410A)			g	1,150	1,150
Pipe Sizing	Gas / Liquid		mm	9.52/6.35	9.52/6.35
Maximum Circuit Breaker			A	15	15

Note

- Specifications are correct at time of publishing but are subject to change without prior notice.
- Rated Cooling capacity is 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.
- Rated Heating capacity is based on an indoor air temp 20°C DB, 15°C WB and outdoor air temp. 7°C DB, 6°C WB in accordance with AS / NZS3823.1.1.
- 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 heat load calculations. Specialists can tell you the best size and type of air conditioner suited for your needs.
- Sound Pressure levels 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



P24AWN-U214
P28AWN-U214
E32AWN-UV13



P18AWN-U214



P18AWN-14	P24AWN-14	P28AWN-14	E32AWN-13
P18AWN-N214	P24AWN-N214	P28AWN-N214	E32AWN-NV13
P18AWN-U214	P24AWN-U214	P28AWN-U214	E32AWN-UV13
900	900	900	900
5,000	7,000	8,000	9,000
6,000	8,650	9,000	10,200
900	900	900	900
6,000	8,000	9,000	10,000
9,000	11,400	12,000	12,800
1,240	1,950	2,450	2,900
1,400	2,060	2,500	3,200
4.03	3.59	3.27	3.1(3.92)
4.29	3.88	3.60	3.11
3.5	2.5	2.0	1.5
4.0	3.0	2.5	1.5
29 / 38 / 40 / 45	29 / 38 / 42 / 47	29 / 38 / 42 / 47	37 / 40 / 44 / 49
35 / 40 / 42	39 / 44 / 49	39 / 44 / 49	40 / 44 / 49
60	65	65	65
125 / 183 / 225 / 267 / 365	125 / 183 / 233 / 283 / 380	125 / 183 / 233 / 283 / 385	217 / 250 / 333 / 400 / 467
192 / 233 / 275	192 / 242 / 283	192 / 242 / 283	250 / 333 / 400
2.0	2.7	2.8	3.0
6.6 / 10	9.4 / 11.6	10.9 / 11.6	12.8 / 14.5
7.3 / 10.7	9.6 / 12.7	11.1 / 12.7	14.2 / 16
6.6	9.4	10.9	12.8
7.3	9.6	11.1	14.2
1090*330*248	1090*330*248	1090*330*248	1190*346*265
14.5	15	15	18.5
-10-48	-10-48	-10-48	-10-48
-15-24	-15-24	-15-24	-10-24
54	55	55	55
54	55	55	55
65	66	66	66
833	1,000	1,000	1,000
Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
46	55	55	56
870*655*320	870*800*320	870*800*320	870*800*320
1,350	1,900	1,900	1,900
12.7/6.35	15.88/9.52	15.88/9.52	15.88/9.52
25	25	25	25