Split System Air Conditioners

Take Control
Save More

Premium

Classic

LG
Life's Good

Take Control Save More

LG Electronics is proud to introduce its latest line of Inverter V series of residential air conditioners in Australia. The 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, LG's 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 latest 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, LG's 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/W 18,24,28 models

Indoor : P09AWN-NM14 Cooling: ★★★★★
Outdoor : P09AWN-UM14 Heating: ★★★★★
Set : P09AWN-14

Indoor : W09AWN-NM14 Cooling: ★★★★★
Outdoor : P09AWN-UM14 Heating: ★★★★★
Set : W09AWN-14

Indoor : P12AWN-NM14 Cooling: ★★★½
Outdoor : P12AWN-UM14 Heating: ★★★★½
Set : P12AWN-14

Indoor : W12AWN-NM14 Cooling: ★★★½
Outdoor : P12AWN-UM14 Heating: ★★★★½
Set : W12AWN-14

Indoor : P18AWN-N214 Cooling: ★★★½
Outdoor : P18AWN-U214 Heating: ★★★★
Set : P18AWN-14

Indoor : W18AWN-N214 Cooling: ★★★½
Outdoor : P18AWN-U214 Heating: ★★★★
Set : W18AWN-14

Indoor : P24AWN-N214 Cooling: ★★½
Outdoor : P24AWN-U214 Heating: ★★★
Set : P24AWN-14

Indoor : W24AWN-N214 Cooling: ★★½
Outdoor : P24AWN-U214 Heating: ★★★
Set : W24AWN-14

Indoor : P28AWN-N214 Cooling: ★★
Outdoor : P28AWN-U214 Heating: ★★½
Set : P28AWN-14

Indoor : W28AWN-N214 Cooling: ★★
Outdoor : P28AWN-U214 Heating: ★★½
Set : W28AWN-14

Classic

*Image for S 18,24,28 models

Indoor : S09AWN-NM14 Cooling: ★★★★★
Outdoor : P09AWN-UM14 Heating: ★★★★★
Set : S09AWN-14

Indoor :E32AWN-NV13 Cooling: ★½
Outdoor : E32AWN-UV13 Heating: ★½
Set: E32AWN-13

Indoor : S12AWN-NM14 Cooling: ★★★½
Outdoor : P12AWN-UM14 Heating: ★★★★½
Set: S12AWN-14

Indoor : S18AWN-N214 Cooling: ★★★½
Outdoor :P18AWN-U214 Heating: ★★★★
Set: S18AWN-14

Indoor : S24AWN-N214 Cooling: ★★½
Outdoor : P24AWN-U214 Heating: ★★★
Set: S24AWN-14

Indoor : S28AWN-N214 Cooling: ★★
Outdoor : P28AWN-U214 Heating: ★★½
Set: S28AWN-14

Key Features

		Premium	Classic
Smart Energy Usage	Active Energy Control	●	●
	Wi-Fi Smart Control	●	
	Standby Mode	●	●
	D.R.E.D	●	●
Clean, Purified Air	Plasmaster Ioniser PLUS	●	
	MICRO Dust Filter Powered by 3M Tech	●	
	Dust Protection Filter	●	●
	Plasmaster Auto Cleaning	●	
	Auto Cleaning		●
Quiet & Comfortable	BLDC Motor	●	●
	Sleep Mode Sound Level	● Available on 9/12 models	● Available on 9/12 models
	Outdoor Quiet Mode	●	●
	Skew Fan	●	●
Versatile Cooling	4-Way Swing	●	●
	Jet Cool	●	●
Control	Dry Contact	●	●

Active Energy Control

Experience LG's efficient inverter air conditioning technologies

Allows you to cap the 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 , 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

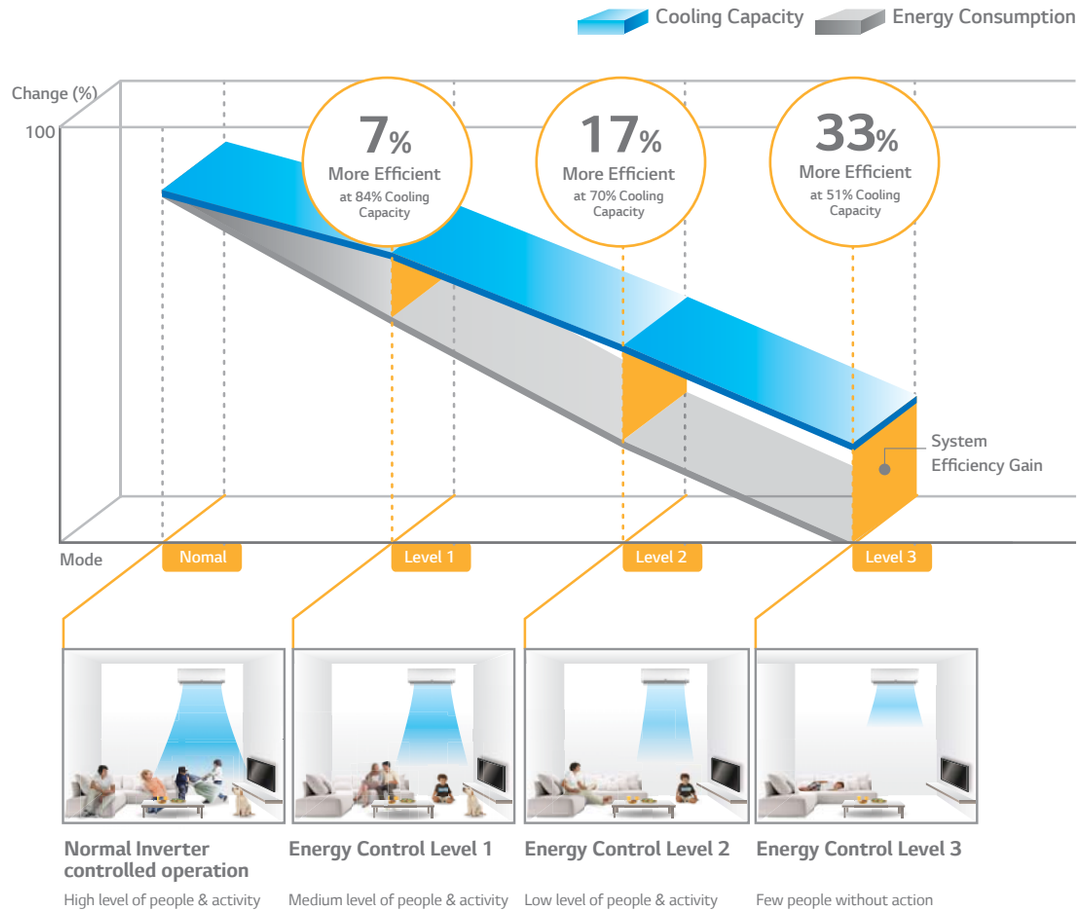
Push 'ENERGY CONTR' button triple to select Level 3, capping power consumption to 40%

Take Control, Save More

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

Function of Active Energy Control

The electricity consumption in the 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 / W / S 24 AWN

Wi-Fi Smart Control#

Premium Series

Experience LG's 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. (Module included with W Series models only. Sold separately for use with P Series models.)
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.

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

Improved convenience

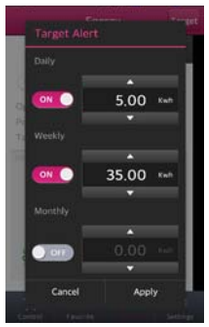
The LG Smart AC app and Wi-Fi adapter let you easily access and control your air conditioner from your mobile phone.
Up to five users can connect to one unit, although only one user can control the unit at a time.
A user can indivisually control multiple units using the app.

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)

WLAN Module required.
(Module included with W Series models only. Sold separately for use with P Series models.)

Model name - PCRCUDT3

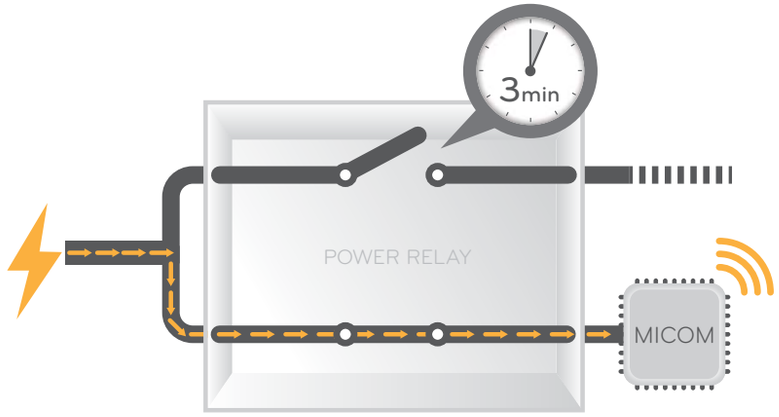
Standby Mode

Experience LG's 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.

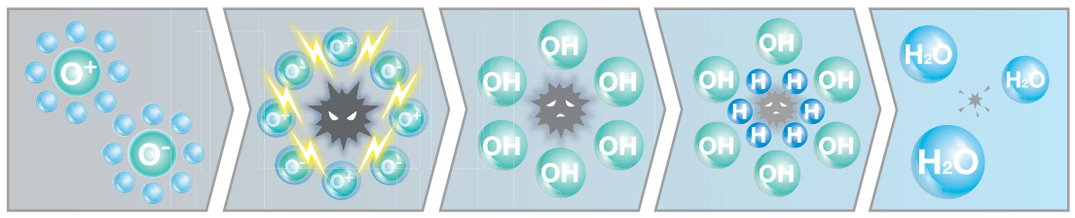
Plasmaster™ Ioniser+PLUS

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.

Air Sterilisation and Deodorisation

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.

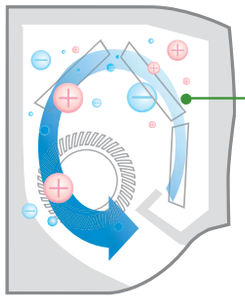
3. **OH Radical Production**
OH radical is produced through chemical reaction.

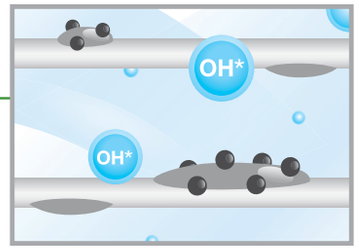
4. **Chemical Reaction**
OH radicals react with harmful substances.

5. **Sterilisation**
Substances are transformed into H2O molecules, leaving the air clean.

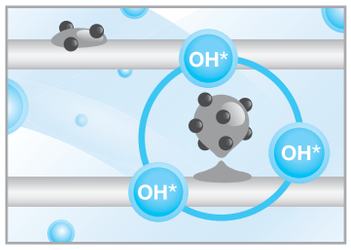
Plasmaster™ Auto Cleaning

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.

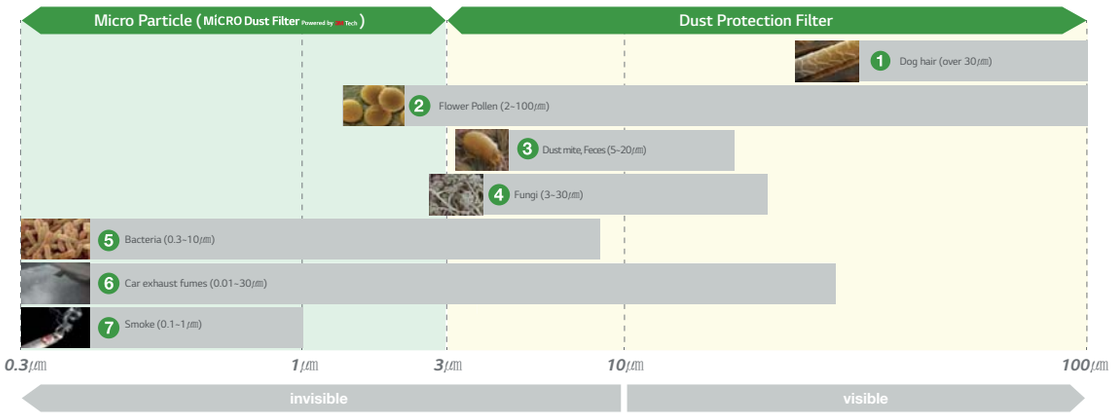
Step 1 : Dust Protection Filter

The first filter captures dust sized over 3μm, performing a Primary layer function

Step 2 : MICRO Dust Filter Powered by 3M Tech

Microscopic particles (<0.3μm) are attracted by the electrostatic charge on the surface of the filter

Indoor allergen particles

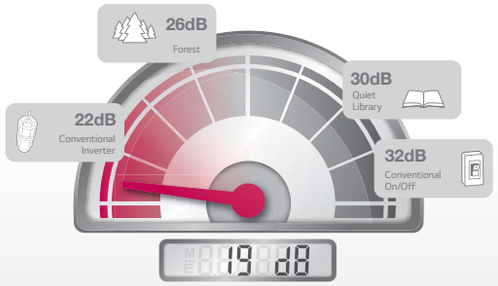


Sleep Mode Sound Level

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

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

S09, S12, 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.

Conventional

Skew Fan

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

LG's skew fan and low vibration compressor technology

LG's 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

Maximised Movement

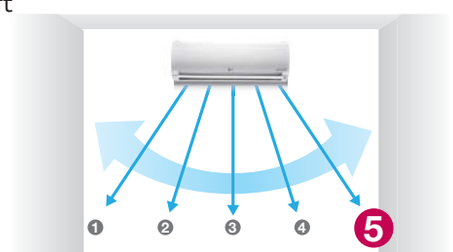
4-way swing disperses cool air quickly and effectively in multiple directions.

4 way Auto swing (Easy Airflow control)

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

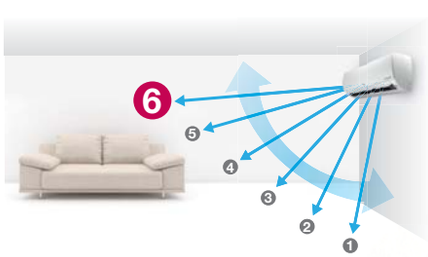
Horizontal Air flow

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

Faster Cooling

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

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

Classic

1. Fan Mode
2. Energy Control
3. Silent (reduce Outdoor Unit noise)
4. On / Off
5. Temperature Setting
6. Operation Mode
7. Jet Cool / Jet Heat
8. Indoor Fan Speed
9. Airflow Control (Up and Down)
10. Airflow Control (Left and Right)
11. Room Temperature
12. Sleep Mode
13. Timer
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						
P/W09AWN-NM14	✓	✓	X	X	X	X
P/W12AWN-NM14	✓	✓	X	X	X	X
P/W18AWN-N214	✓	✓	X	X	✓	✓
P/W24AWN-N214	✓	✓	X	X	✓	✓
P/W28AWN-N214	✓	✓	X	X	✓	✓
Classic Series						
S09AWN-NM14	X	✓	X	X	X	X
S12AWN-NM14	X	✓	X	X	X	X
S18AWN-N214	X	✓	X	X	✓	✓
S24AWN-N214	X	✓	X	X	✓	✓
S28AWN-N214	X	✓	X	X	✓	✓
E32AWN-13	X	✓	X	X	✓	✓

Model					
	PQDSBC	PQCPC22N0	PQCPC22A0	PQCSSA21E0	PMNFP14A0
	(DRY CONTACT)	(ACP STANDARD)	(ACP PREMIUM)	(AC MANAGER PLUS)	(PI485 16 IDU)
Requirment	one per indoor unit	PI485 card	PI485 card	PI485 card & AC premium	one per outdoor unit
Premium Series					
P/W09AWN-NM14	✓	X	X	X	X
P/W12AWN-NM14	✓	X	X	X	X
P/W18AWN-N214	✓	✓	✓	✓	✓
P/W24AWN-N214	✓	✓	✓	✓	✓
P/W28AWN-N214	✓	✓	✓	✓	✓
Classic Series					
S09AWN-NM14	✓	X	X	X	X
S12AWN-NM14	✓	X	X	X	X
S18AWN-N214	✓	✓	✓	✓	✓
S24AWN-N214	✓	✓	✓	✓	✓
S28AWN-N214	✓	✓	✓	✓	✓
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

Indoor Unit : W09AWN-NM14 / Outdoor Unit : P09AWN-UM14
Indoor Unit : W12AWN-NM14 / Outdoor Unit : P12AWN-UM14
Indoor Unit : W18AWN-N214 / Outdoor Unit : P18AWN-U214
Indoor Unit : W24AWN-N214 / Outdoor Unit : P24AWN-U214
Indoor Unit : W28AWN-N214 / Outdoor Unit : P28AWN-U214

WLAN Module required. (Module included with W Series models only. Sold separately for use with P Series models.)
Feature can be accessed using LG Smart AC app on Android or iOS smartphone.


P09AWN-UM14
P12AWN-UM14


P18AWN-U214


P24AWN-U214
P28AWN-U214

System Model				P/W09AWN-14	P/W12AWN-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	863
	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	83 / 142 / 192 / 242 / 250	83 / 142 / 192 / 242 / 250
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	2.3	3.8
	Heating	Rated	A	2.8	3.9
Dimension			mm	875*295*235	875*295*235
Net Weight			kg	13	13
Outdoor					
Operation Range	Cooling	Min~Max	°CDB	-10~48	-10~48
	Heating	Min~Max	°CWB	-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	35	35
Dimension			mm	770*545*288	770*545*288
Refrigerant (R410A)	Charge at 7.5m		g	1,150	1,150
Pipe Sizing	Liquid / Gas		mm	9.52/6.35	9.52/6.35
Maximum Circuit Breaker			A	15	15

P/W18AWN-14	P/W24AWN-14	P/W28AWN-14
P18AWN-N214	P24AWN-N214	P28AWN-N214
P18AWN-U214	P24AWN-U214	P28AWN-U214
900	900	900
5,000	7,000	8,000
6,000	8,650	8,650
900	900	900
6,000	8,000	9,000
9,000	11,400	11,400
1,240	1,950	2,450
1,400	2,060	2,500
4.03	3.59	3.27
4.29	3.88	3.60
3.5	2.5	2.0
4.0	3.0	2.5
29/35/40/42	37/39/44/49	37/39/44/49
35/40/42	39/44/49	39/44/49
60	65	66
133 / 183 / 225 / 267 / 350	133 / 183 / 233 / 283 / 367	133 / 183 / 233 / 283 / 383
192 / 233 / 275	192 / 242 / 283	192 / 242 / 283
2	2.7	2.8
6.6/10	9.4/11.6	10.9/11.6
7.3/10.3	9.6/12.7	11.1/12.7
6.6	9.4	10.9
7.3	9.6	11.1
1090*330*248	1090*330*248	1090*330*248
14.5	15	15
-10~48	-10~48	-10~48
-15~24	-15~24	-15~24
54	55	55
54	55	55
65	66	66
833	1,000	1,000
Twin Rotary	Twin Rotary	Twin Rotary
46	55	55
870*655*320	870*808*320	870*808*320
1,350	1,900	1,900
12.7/6.35	15.88/9.52	15.88/9.52
25	25	25

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 anachoic 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

Classic

Indoor Unit : S09AWN-NM14 / Outdoor Unit : P09AWN-UM14
Indoor Unit : S12AWN-NM14 / Outdoor Unit : P12AWN-UM14
Indoor Unit : S18AWN-N214 / Outdoor Unit : P18AWN-U214
Indoor Unit : S24AWN-N214 / Outdoor Unit : P24AWN-U214
Indoor Unit : S28AWN-N214 / Outdoor Unit : P28AWN-U214
Indoor Unit : E32AWN-NV13 / Outdoor Unit : E32AWN-UV13

P09AWN-UM14
P12AWN-UM14

P18AWN-U214

P24AWN-U214
P28AWN-U214
E32AWN-UV13

System Model				S09AWN-14	S12AWN-14	S18AWN-14	S24AWN-14	S28AWN-14	E32AWN-13
Model Indoor Unit				S09AWN-NM14	S12AWN-NM14	S18AWN-N214	S24AWN-N214	S28AWN-N214	E32AWN-NV13
Model Outdoor Unit				P09AWN-UM14	P12AWN-UM14	P18AWN-U214	P24AWN-U214	P28AWN-U214	E32AWN-UV13
Indoor									
Cooling Capacity		Min	W	890	890	900	900	900	900
		Rated	W	2,500	3,500	5,000	7,000	8,000	9,000
		Max	W	3,700	4,040	6,000	8,650	8,650	10,200
Heating Capacity		Min	W	890	890	900	900	900	900
		Rated	W	3,200	4,000	6,000	8,000	9,000	10,000
		Max	W	5,000	6,000	9,000	11,400	11,400	12,800
Power Input	Cooling	Rated	W	518	863	1,240	1,950	2,450	2,900
	Heating	Rated	W	653	872	1,400	2,060	2,500	3,200
EER(Part Load)				4.83	4.06	4.03	3.59	3.27	3.1(3.92)
COP				4.90	4.59	4.29	3.88	3.60	3.10
Energy Label (Star Rating)	Cooling			5.0	3.5	3.5	2.5	2.0	1.5
	Heating			5.0	4.5	4.0	3.0	2.5	1.5
Sound Pressure (Cooling)	Sleep/Low/Medium/High		dBA	19/23/33/38	19/23/33/39	29/30/35/42	30/39/44/49	30/39/44/49	37 / 40 / 44 / 49
Sound Pressure (Heating)	Low / Medium / High		dBA	23/33/38	23/33/39	35/40/42	39/44/49	39/44/49	40 / 44 / 49
Sound Power	Cooling	High	dBA	57	57	60	65	66	65
Air Flow Rate (Cooling)	Sleep/Low/Medium/High/Jet Cool		L/S	83 / 142 / 192 / 242 / 250	83 / 142 / 192 / 242 / 250	133 / 183 / 225 / 267 / 350	133 / 183 / 233 / 283 / 367	133 / 183 / 233 / 283 / 383	217 / 250 / 333 / 400 / 467
Air Flow Rate (Heating)	Low / Medium / High		L/S	158 / 208 / 275	158 / 208 / 275	192 / 233 / 275	192 / 242 / 283	192 / 242 / 283	250 / 333 / 400
Dehumidification Rate			l/h	1.2	1.3	2	2.7	2.8	3
Running Current	Cooling	Rated / Max	A	2.3/5.6	3.8/5.6	6.6/10	9.4/11.6	10.9/11.6	12.8 / 14.5
	Heating	Rated / Max	A	2.8/7.1	3.9/7.1	7.3/10.3	9.6/12.7	11.1/12.7	14.2 / 16
Starting Current	Cooling	Rated	A	2.3	3.8	6.6	9.4	10.9	12.8
	Heating	Rated	A	2.8	3.9	7.3	9.6	11.1	14.2
Dimension			mm	875*295*235	875*295*235	1090*330*248	1090*330*248	1090*330*248	1190*346*265
Net Weight			kg	13	13	14.5	15	15	18.5
Outdoor									
Operation Range	Cooling	Min~Max	°CDB	-10~48	-10~48	-10~48	-10~48	-10~48	-10~48
	Heating	Min~Max	°CWB	-15~24	-15~24	-15~24	-15~24	-15~24	-10~24
Sound Pressure	Cooling	High	dBA	45	45	54	55	55	52
	Heating	High	dBA	45	45	54	55	55	52
Sound Power	Cooling	High	dBA	65	65	65	66	66	66
Air Flow Rate		High	L/S	550	550	833	1,000	1,000	1,000
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	35	35	46	55	55	56
Dimension			mm	770*545*288	770*545*288	870*655*320	870*808*320	870*808*320	870*800*320
Refrigerant (R410A)	Charge at 7.5m		g	1,150	1,150	1,350	1,900	1,900	1,900
Pipe Sizing	Liquid / Gas		mm	9.52/6.35	9.52/6.35	12.7/6.35	15.88/9.52	15.88/9.52	15.88/9.52
Maximum Circuit Breaker			A	15	15	25	25	25	25

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 anachoic 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

LG Electronics Air Conditioning and Energy Solution Company

The LG Electronics Air Conditioning & Energy Solution Company (LG AE) is a total solutions provider in heating, ventilation, air conditioning (HVAC), and energy systems. The company offers a comprehensive range of HVAC and energy solutions, including residential air conditioners (RACs) and system air conditioners (SACs), air purifiers, ionizers, dehumidifiers, chillers, home and building management systems and hotel-specific products. Through its innovative technologies, heavy investment in R&D and effective marketing strategies, LG AE has evolved into a total solution provider.

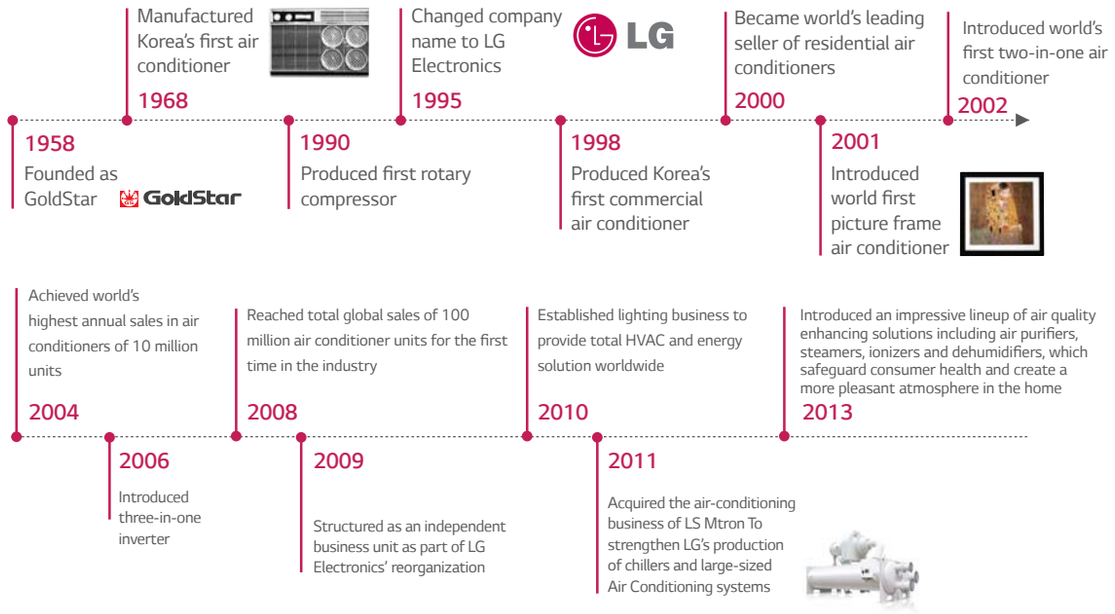
Residential Air Conditioner

System Air Conditioner

Chiller

Brand History

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



Established in 2009, the LG Electronics Air Conditioning & Energy Solution Company (LG AE) is a complete energy solutions provider.

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 chiller businesses to further increase its focus on B2B and on energy efficient business solutions.

Based on its 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.

Research & Development

LG Research & Development Centers

Research centers are 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.

R&D Center - Korea

Corporate Research Lab

AC R&D Center

Company Research Lab

Design Research Center

Research Areas

- SR Motor & Controller
- Linear Compressor
- Multi-Split Wall Mounted Type
- Internet Central Controller
- Plasma Heat Exchanger
- Heat Recovery Ventilators

Testing Facilities

- R & D Labs
- High Elevation Testing
- Environment Test Labs
- Psychometric Testing Labs
- Quality Testing Labs

LG Air Conditioning Academies

The Academy and its advanced programs provide training around the world.

- AC Academy Hub

- Korea

- Mexico

- Panama

- Russia

- Spain

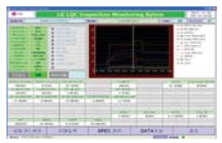
- UAE

Quality Control

Mass production

IQC

- Part Life Test (ELT)
- 6sigma Distribution Control
- Vendor Quality Improvement
- Consulting



LQC

- Basic Performance Inspection
- Safety Inspection
- Movement/Structure/
- Appearance Inspection

OQC

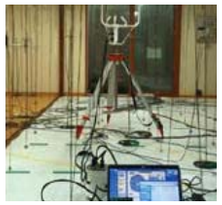
- Structure / Appearance inspection
- Early Life Test (ELT)
- Smog Test (Refrigerant leakage)

Development

- Performance Test (Cool/Heat)
- EER Test
- Abnormal Noise Test
- Reliability Test
- Safety Test
- Air current Distribution Test
- Temp./Humidity Performance Test
- Difference of altitude Test
- E.M.I (Electromagnetic Interference)
- E.M.S (Electromagnetic Susceptibility)
- EMC (Electromagnetic Compatibility)

Quality Assurance Lab

Noise Testing Chamber



Environmental Testing Chamber

Long Piping and Elevation Testing

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 prestigious awards.

International Forum Design

reddot

GOOD DESIGN AWARD

LG Electronics Australia Pty Ltd.

NEW SOUTH WALES / HEAD OFFICE
2 Wonderland Drive EASTERN CREEK NSW 2766
PH : 02-8805-4000 FAX : 02-8805-4248

QUEENSLAND
23 Terrace Place MURARRIE QLD 4172
PH : 07-3908-9000 FAX : 07-3399-4179

VICTORIA
3 John Deere Court, Parkwest Estate DERRIMUT VIC 3030
PH : 03-8369-0900 FAX : 03-9931-0677

SOUTH AUSTRALIA
162 Richmond Rd, Marleston, SA 5033
PH : 08-8238-0200 FAX : 08-8238-0299

WESTERN AUSTRALIA
Unit 1/1A 2 Business Way Malaga
PO Box 1724 Malaga WA 6944
PH : 08-9249-3721 FAX : 08-9249-1300

Customer Information Centre is available 7 days
from 7AM-7PM on 1300 54 2273 (1300 LG CARE)
http://www.lg.com/au

NEW ZEALAND
LG House, Level 1
60 Highbrook Drive, East Tamaki, Auckland, 2013 New Zealand

Tel : +64 (09) 914 2444 Fax : +64 (09) 914 2441

Customer Service Helpline is available from 9AM-9PM on
0800 54 2273 (0800 LG CARE)
http://www.lg.com/nz

Season : 2014/15