LG Life's Good

LG 2021 COMMERCIAL AIR CONDITIONERS

LG Electronics

www.lgeaircon.com
www.lg.com/za

Distributed by

Non-Stop Cooling

with Same Minimum Cost of Electricity

Why don't you use your AC all night? Worried about Electricity?

In the summer, many people are still suffering from hot weather. Although a lot of people have Air conditioner in their homes, people are afraid to use the Air Conditioner due to the high electricity consumption of the Air Conditioner. Even in the hot summer, people only tempt to use the Air Conditioner for a very short period of time due to this concern. Now, LG is introducing a highly efficient Air Conditioner that can solve all your concerns. You no longer need to be afraid to use your Air Conditioner. Now you can use your Air Conditioner as long as you want, without the concern of your electricity bills. Our revolutionary inverter technology offers powerful yet silent performance while also greatly lowering energy consumption by as much as 70%.
LG has taken energy efficiency to a whole new level with its inverter technology.

70% Energy Saving

LG Dual Inverter Compressor has been certified for 70% more energy saving.
With 70% more energy saving, comparing with the con-ventional On/Off models, you will be able to enjoy Non-Stop cooling with LG Dual Inverter.

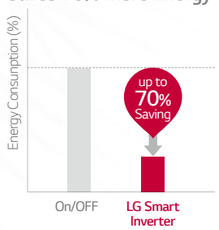
+

40% Fast Cooling

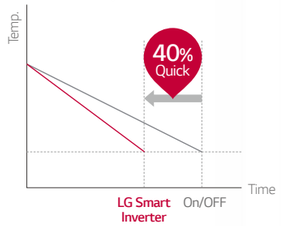
Super quick cooling is different from existing Jet cool technology.
It enable the fastest cooling through control cooling temperature by compressor.

Energy Saving & Cost Saving

Saves 70% More Energy



Cools 40% Quicker

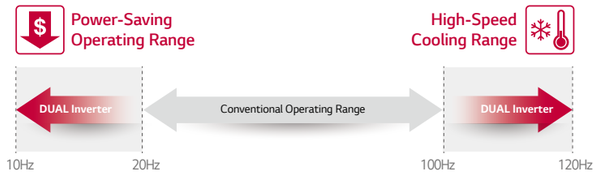


* Specification, design and feature are subject to change without prior notice

Dual Inverter COMPRESSOR

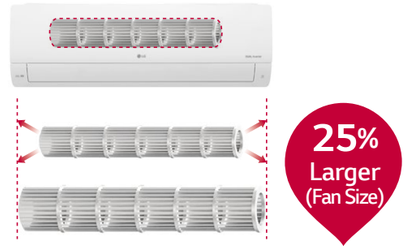
Varied-Speed Dual Rotary

A compressor motor with a wider rotational frequency saves more energy and has a higher speed cooling range than conventional compressor.



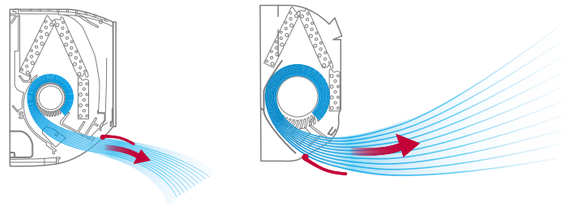
1 25% bigger indoor fan

A 25% larger skew fan expels more powerful blasts of air.



2 Wider outlet (9% larger fan size)

A larger, optimally designed cooling outlet expels air farther and cools spaces faster.



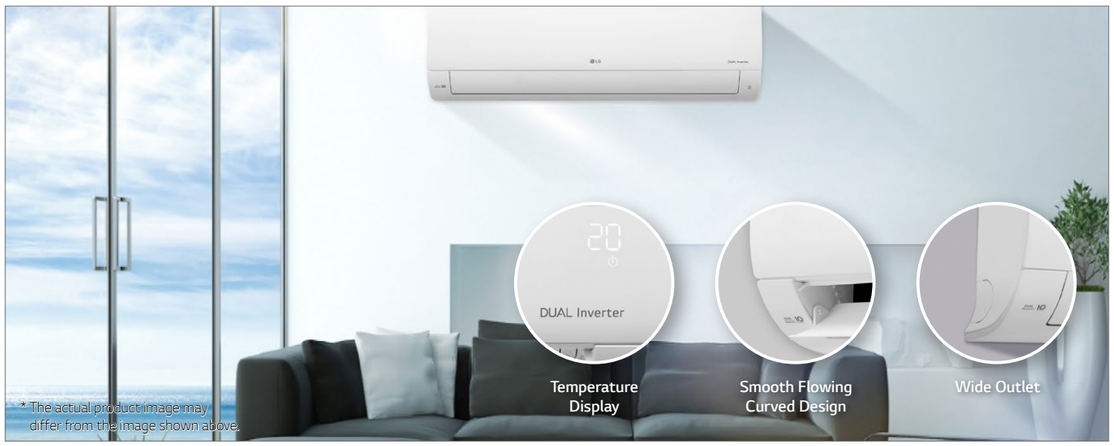
Conventional | LG

Gold Fin™

The Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion.

Energy Display

LG air conditioner's slim and modern design makes easy installation and convenient cleaning with EZ sliding filter. Moreover large hidden display is perfect for checking your energy display conveniently.



Active Energy Control

LG's Active Energy Control adjusts the energy consumption level and cooling capacity by controlling maximum frequency of the compressor motor.

Low Noise Ultra Quiet 19dB

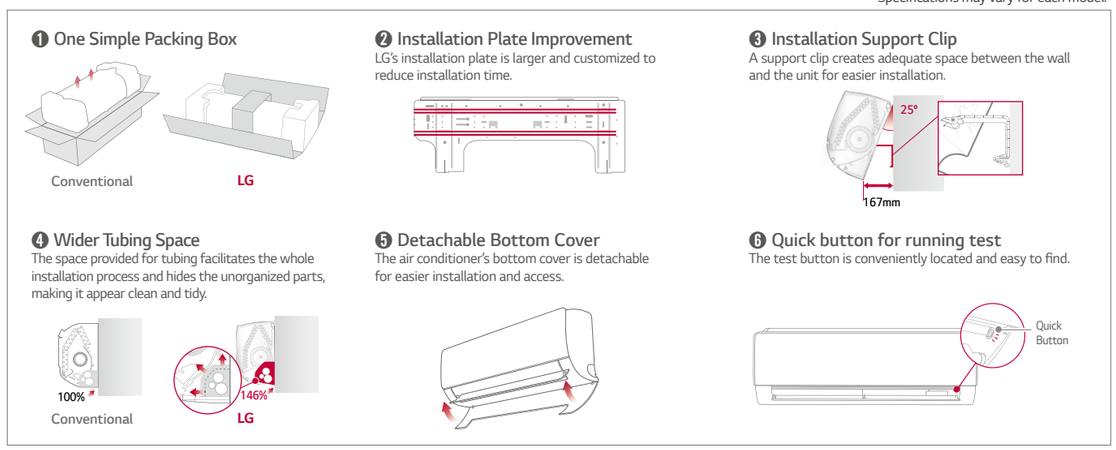
LG's unique technology of skew fan and BLDC motor eliminates unnecessary noise and allows smooth operation at the lowest sound level. (12k Btu Only)

* Specifications may vary for each model. * Depending on the experimental conditions.

Quick & Easy Installation

LG air conditioner is designed for an easy and efficient installation, making possible to install several units in a short period of time

* Specifications may vary for each model.



10-Year Inverter Compressor Warranty

The compressor is to the Air Conditioner the same as the engine is to the vehicle. With the 10year warranty on the compressor, users can enjoy the benefits of LG air conditioner for a longer period of time.

LG ThinQ™

Smart ThinQ will allow you to access your Air Conditioner wherever you are. This will allow you to turn on your AC before coming home, and your house will be ready at the perfect temperature by the time you arrive.

Smart Diagnosis

Smart Diagnosis allows you to check setup, installation, troubleshooting and other information conveniently from your smartphone.

Wired Remote Control

LG Air Conditioner provides diverse types of Wired Remote Controls, preventing the inconvenience caused by the loss of remote control.

*Available in Standard Plus only.

Dry Contact

LG Air Conditioner, using the Dry Contact, provides diverse types of On / Off Control, thereby preventing unnecessary operation and reducing the use of energy.

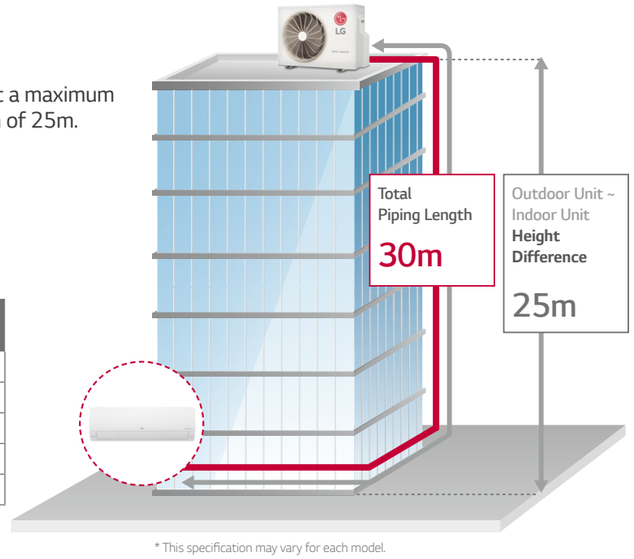
*Available in Standard Plus only.

Long Distance Piping

From the outdoor unit, the indoor can be installed at a maximum piping length of 30m and with a maximum elevation of 25m.

Long piping length and long level difference

*Standard Commercial	Total Piping Length	Height Difference
9k	15	7
12k	15	7
18k	20	10
24k	20	10
38k	30	25



* This specification may vary for each model.

Specifications

STANDARD COMMERCIAL

Embedded Wi-Fi · Smart Diagnosis · Active Energy Control · Energy Display · Auto Cleaning · Jet Cool · 4 Way Swing · Fast Heating · Gold Fin™ · Comfort Air · Low Noise 19dB (9k, 12k) · Wired Remote · PI 485 · Dry Contact

• Single Combination

UNIT				9K	12K	18K	24K	38K
INDOOR				M10EJH NJ0	M13EJH NJ0	M19EKH NK0	M24EKHB NKO	M38AKH NR0
Capacity	Cooling	Min / Rated / Max	kW	0.88 / 2.7 / 3.46	0.88 / 3.52 / 3.87	1.08 / 5.28 / 5.36	1.03 / 6.45 / 7.18	1.77 / 9.78 / 11.14
	Heating	Min / Rated / Max	kW	0.88 / 2.93 / 4.04	0.88 / 3.52 / 4.04	1.08 / 5.42 / 6.1	1.03 / 6.45/ 7.18	1.47 / 8.5 / 9.79
Power Input	Cooling	Min / Rated / Max	W	140 / 729 / 1,400	140 / 1,085 / 1,400	238 / 1640 / 1,710	240 / 2010 / 2420	610 / 3050 / 3990
	Heating	Min / Rated / Max	W	140 / 771 / 1,550	140 / 975 / 1,550	238 / 1,500 / 1,800	240 / 1890 / 2500	559 / 2235 / 3990
Running Current	Cooling	Min / Rated / Max	A	0.7 / 3.5 / 6.5	0.7 / 5 / 6.5	1.1 / 7.4 / 8.1	1.14 / 9.60 / 11.46	3.92 / 13.5 / 17
	Heating	Min / Rated / Max	A	0.7 / 3.6 / 7.5	0.7 / 4.8 / 7.5	1.1 / 6.82 / 8.52	1.14 / 9.10 / 11.84	3.68 / 10.5 / 17
EER			W/W	3.70	3.24	3.22	3.21	3.21
COP			W/W	3.80	3.61	3.61	3.41	3.80
Energy Label Grade			Cooling / Heating	A++ / A++	A / A++	A / A++	A / A+	- /-
Annual Energy Consumption			Cooling / Heating	365 / -	543 / -	820 / -	1005 / -	- /-
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1 , 220~240 , 50	1 , 220-240 , 50
Indoor	Air Flow Rate	Cooling, Max / H / M / L	m^3/min	12.5 / 9.3 / 7.2 / 2.7	12.5 / 9.3 / 7.2 / 2.7	19.3 / 13.5 / 12 / 9	20 / 15 / 12 / 9	32 / 25 / 21 / 17
		Heating, Max / H / M / L	m^3/min	13 / 10 / 7 / 5.5	13 / 10 / 7 / 5.5	20 / 14 / 13 / 9.5	21 / 16 / 13 / 9.5	33 / 27 / 23 / 19
	Sound Pressure Level	Cooling, Max / H / M / L / SL	dB(A)	- / 41 / 35 / 27 / 19	- / 41 / 35 / 27 / 19	- / 45 / 43 / 38 / 32	- / 48 / 43 / 38 / 32	- / 52 / 47 / 43 / 34
		Heating, Max / H / M / L	dB(A)	- / 42 / 36 / 31	- / 42 / 36 / 31	- / 45 / 43 / 38	- / 48 / 43 / 38	- / 52 / 47 / 43
	Dimensions (W x H x D)	Net	mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210	1200 x 360 x 265
	Weight	Net	kg	8.6	8.6	11.5	11.7	18.5
OUTDOOR				M10EJH UJ0	M13EJH UJ0	M19EKH UK0	M24EKHB UK0	M38AKH UR0
Outdoor	Air Flow Rate	Max	m^3/min	27.0	27.0	38.0	49.0	71.0
	Sound Pressure Level	Cooling, Rated	dB(A)	51	51	54	56	58
		Heating, Rated	dB(A)	53	53	56	58	59
	Dimensions (W x H x D)	Net	mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330	950 x 832 x 330
	Weight	Net	kg	26.4	26.4	34.2	42.9	67.1
	Operation Range	Cooling	°C DB	18~48	18~48	18~48	18~48	18 ~ 54
		Heating	°C DB	-5~24	-5~24	-5~24	-5~24	-5 ~ 24
Circuit Breaker			A	15	15	20	20	25
Power Supply Cable			No. x mm^2	3 x 1	3 x 1	3 x 1.5	3 x 2.5	3 x 2.5
Piping	Size	Liquid	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 9.52
		Gas	mm	ø 9.52	ø 9.52	ø 12.7	ø 15.88	ø 15.88
	Connections Method	Indoor / Outdoor	-	Flared / Flared	Flared / Flared	Flared / Flared	Flared / Flared	Flared / Flared
Refrigerant		Type	-	R410A	R410A	R410A	R410A	R410A
		Pre Charge	g	850	850	1230	1350	2400
		Additional Charge	g/m	20	20	20	20	30
		Global Warning Potential	-	2087.5	2087.5	2087.5	2087.5	2087.5
		t-CO_2 eq	-	1.77	1.77	2.57	2.82	5.01
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary

Note : 1. – : No Relation
2. All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
3. Exterior color code is approximate value.
4. It is difficult to measure air flow rate of sleep because of small values.
5. Maximum heating capacity is for heating operation without any frost.
6. Fan motor speed could vary ±20 rpm according to the operating conditions.
7. It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
8. This product contains fluorinated greenhouse gases.
9. Some specifications may be changed without notifications due to our policy of innovation.
10. Standard Commercial models will be launched 2020 4 Quarter, 38k btu can be sell.
11. 38k Model don't applied Active Energy control function.