LG
Life's Good

Energy Saving

Our revolutionary inverter technology offers powerful yet silent performance while also greatly lowering energy consumption by as much as 60%. LG has taken energy efficiency to a whole new level with its inverter technology.

INVERTER V Compressor

By utilizing a variable speed compressor rather than a fixed speed compressor, the cooling capacity of the LG inverter system can be varied to suit indoor conditions.

BLDC Compressor

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

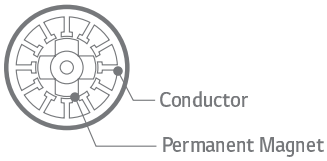
Minimizes Oil Circulation with an Oil-Separator system
- Reliability second at high speed
- Efficiency increased at low speeds

Maximizes Motor Efficiency
- Concentrate & distribute
- Increase EER at lower loads

Minimizes Compression Loss

BLDC Fan Motor

The BLDC Fan motor, which is specifically adapted to work with the LG InverterV, makes quiet cooling possible compared to conventional AC/DC motors. In addition, precise speed control provides 13 different steps for smoother operation.



Torque Control

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

SPECIFICATIONS

Model			M096EH	M126EH	M186EH	M246EH
Cooling Capacity		kW	0.89~2.50~2.63	0.89~3.5~3.8	1.08~4.98~5.12	1.08~6.30~6.86
Heating Capacity		kW	0.89~2.64~2.77	0.89~3.6~4.2	1.08~5.28~6.10	1.08~6.30~6.86
Power Input	Cooling/Heating	W	780/775	1,090/970	1,560/1540	2,010/1785
Running Current	Cooling/Heating	A	3.6/3.6	4.9/4.5	7.3/6.9	9.3/8.7
EER		W/W	3.21	3.21	3.21	3.21
		Btu/h.W	11.0	11.0	10.97	10.95
COP		W/W	3.41	3.71	3.61	3.41
Power supply		Ø / V / Hz	1/220-240/50	1/220-240/50	1/220~240/50	1/220~240/50
Air Flow Rate	Indoor,Max	m^3/min(CFM)	8(283)	10(353)	17.4(614)	18.6(657)
	Outdoor,Max	m^3/min(CFM)	27(953)	27(953)	38 (1342)	50.0 (1,766)
Sound Level	Indoor,H/M/L	dB(A)±3	39/33/25/19	39/33/25/19	42/40/35/29	45/42/37/31
	Outdoor,Max	dB(A)±3	47	47	51	55
Refrigerant charge (at 5m)		g(oz)	R410A,600(21.16)	R410A,750(26.46)	R410A,960(3386)	R410A,1110(38.8)
Additional refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)	30(1.05)	30(1.05)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)	12.70(1/2)	15.88(5/8)
	Drain Hose (O.D/I.D)	mm(in)	21.5/16.0(0.85/0.63)	21.5/16(0.85/0.63)	21.5/16(0.85/0.63)	21.5/16(0.85/0.63)
Dimensions	Indoor (W*H*D)	mm	756x265x184	885x285x210	885x296x230	885x296x236
	Outdoor (W*H*D)	mm	717x483x230	717x483x230	770x545x288	870x655x320
Net Weight	Indoor	kg	7.2	9.2	9.5	9.5
	Outdoor	kg	23.5	25.1	32.5	41.7
Operation range	Cooling(Outdoor)	°C	18 ~ 48	18 ~ 48	18 ~ 48	18 ~ 48
	Heating(Outdoor)	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24	-5 ~ 24
Max. Piping length		m	15	15	20	20
Max. Elevation Difference		m	7	7	10	10

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

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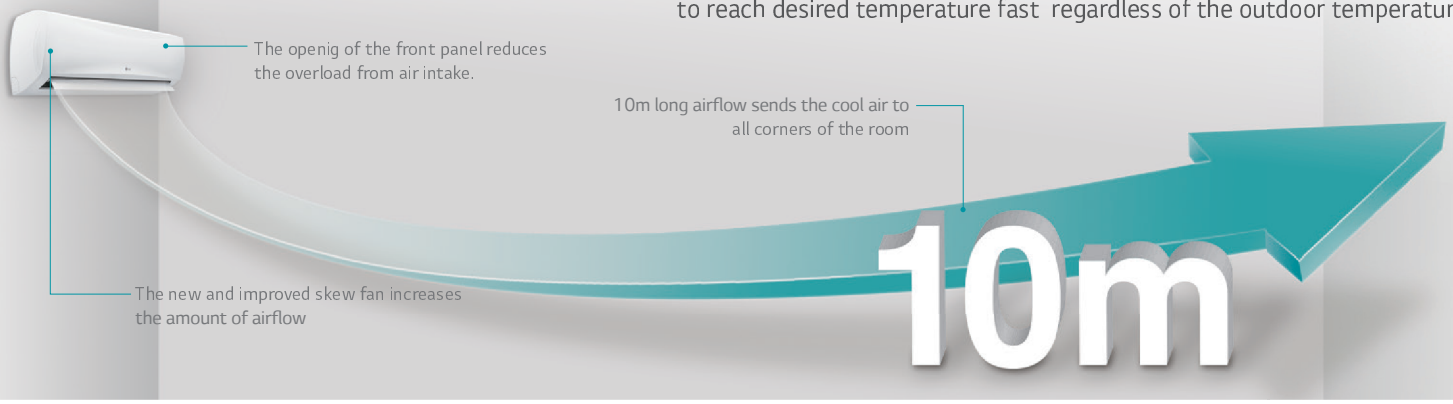
Power Cooling

The cool air flows to all corners of the room with ease making it possible to reach desired temperature fast regardless of the outdoor temperature.



Jet Cool 10m Airflow

The powerful Jet Cool feature provides high-speed cooling that is faster than conventional air conditioners.
The new and improved skew fan increases the amount of airflow. With a 10m reach and sends the cool air to all corners of the room.

Jet Cool is

Reaching the set temperature up to 3 times faster than other air conditioners. The optimised air outlet design increases the velocity of internal circulation by up to 20%.

How we achieved a more powerful performance

In jet cooling mode, strong air blows out at a temperature of 18°C for 30 minutes.

Low Noise 19dB · Deep Sleep Mode · Powerful Airflow · Jet Cool

Anti-bacterial Air Filter · Gold Fin

SPECIFICATIONS

Model			K096EH	K126EH	K186EH	K246EH
Cooling Capacity		kW	2.58	3.37	5.42	6.74
Heating Capacity		kW	2.73	3.52	5.86	6.83
Power Input	Cooling/Heating	W	900/840	1,050/975	1,780/1,820	2,400/2,250
Running Current	Cooling/Heating	A	4,1/3,8	4,9/4,6	8,3/8,9	10,9/10,5
EER		W/W	2.87	3.21	3.05	2.81
		Btu/hW	9.78	11.0	10.4	9.58
COP		W/W	3.25	3.61	3.22	3.04
Power supply		Ø / V / Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Air Flow Rate	Indoor,Max	m^3/min(CFM)	6,6(232)	9(317)	13(459)	16(566)
	Outdoor,Max	m^3/min(CFM)	22(776)	25(882)	42(1483)	42(1483)
Sound Level	Indoor,H/M/L	dB(A)±3	35/32/28	38/33/29	41/38/34	43/40/35
	Outdoor,Max	dB(A)±3	46	48	54	55
Refrigerant charge (at 7.5m)		g(oz)	R410A, 620(21.8)	R410A, 760(26.8)	R410A, 1,110(39.1)	R410A, 1,350(47.6)
Additional refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)	30(1.05)	30(1.05)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(in)	9.52(3/8)	12,7(1/2)	12,7(1/2)	15,88(5/8)
	Drain Hose (OD/ID)	mm(in)	21.5/16(0.85/0.63)	21.5/16(0.85/0.63)	21.5/16(0.85/0.63)	21.5/16(0.85/0.63)
Dimensions	Indoor (W*H*D)	mm	885x285x210	885x285x210	1,030x325x250	1,030x325x250
	Outdoor (W*H*D)	mm	770x545x288	770x545x288	870x655x320	870x800x320
Net Weight	Indoor	kg	7.2	11	14.3	14.7
	Outdoor	kg	26	30.2	45.2	55.2
Operation range	Cooling(Outdoor)	°C	21~48	21~48	21~48	21~48
	Heating(Outdoor)	°C	1~24	1~24	1~24	1~24
Max. Piping length		m	15	15	30	30
Max. Elevation Difference		m	7	7	15	15

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