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

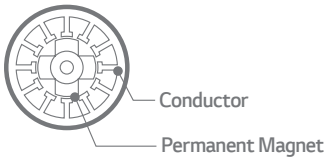
Maximizes Motor Efficiency

- Concentrate & distribute
- Increase EER at lower loads

Minimizes Compression Loss

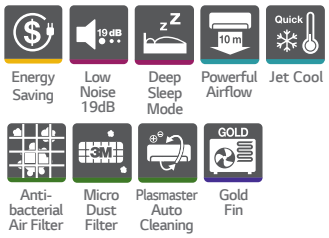
BLDC Fan Motor

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/hW	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(33.86)	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.