

# ARTCOOL INVERTER



## Stylish Design



### Chrome Trim

Delicately slim yet powerfully constructed to ensure durability



### Tempered Glass

Luster and brightness maintained for a long period of time



### High Intensity LED

Elegant display with smart white trim

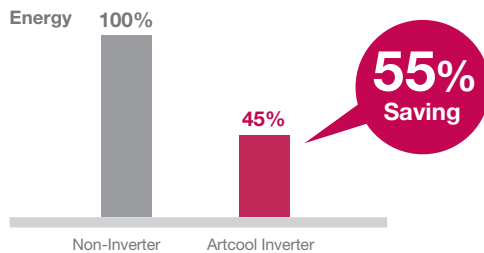


### Clean Line

Eye catching design that flows from top to bottom

## Energy Saving

The inverter technology of LG boasts the performance minimizing energy consumption by as much as 55%.



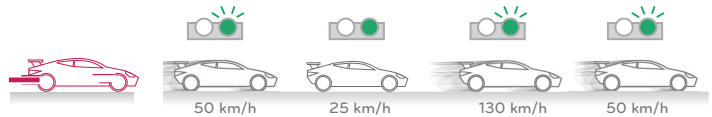
### Non-Inverter

Excess consumption of fuel due to frequent restarting of motor.



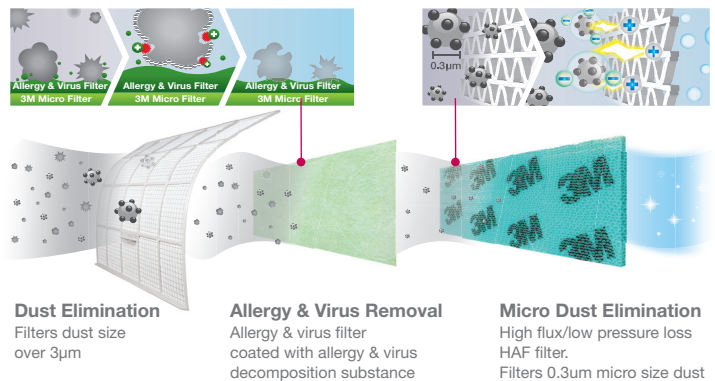
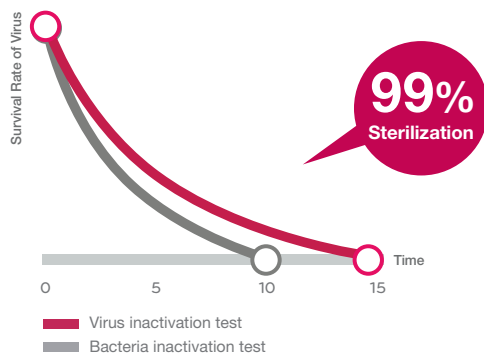
### Inverter

Efficient management of energy by keeping motor running at varying speeds.



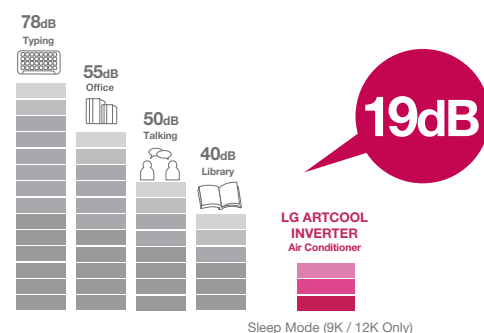
## 99%, 3M Multi Protection Filter

3M Multi Protection filter captures dust, virus and allergen by strong electrostatic power and the captured virus and allergen are deactivated by LG's unique anti-germ and anti-allergy substances coated on the filter.



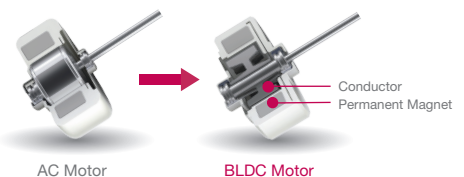
## 19dB, Low Noise

LG's unique new skew fan and low vibration compressor technology mean its products achieve some of the world's lowest sound levels.



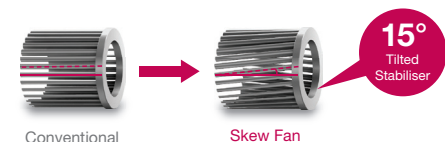
### BLDC Motor

With strong torque and powerful ND magnetism inside the rotor, the BLDC motor provides high air volumes and static pressures.



### Skew Fan

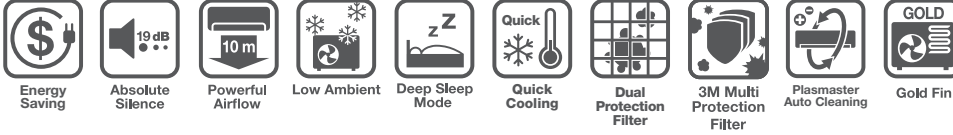
By minimising the surface pressure of the fan blade when in contact with the air, the peak noise is reduced to a level that is amongst the lowest in the world.



# ARTCOOL INVERTER



## A096TH / A126TH / A186TH / A246TH



Model		A096TH	A126TH	A186TH	A246TH	
Cooling Capacity	kW	0.89-2.50-3.70	0.90-3.50-4.04	0.90-5.20-6.00	0.90-7.03-8.65	
	Btu/hr	3,040-8,500-12,600	3,070-11,900-13,800	3,070-17,750-20,500	3,070-24000-29,500	
Heating Capacity	kW	0.89-3.20-4.10	0.89-4.00-5.10	0.90-6.30-9.00	0.90-8.44-11.40	
	Btu/hr	3,040-10,900-14,000	3,070-13,700-17,400	3,070-21,500-30,700	3,070-28,800-38,900	
Power Input	Cooling/Heating	W	550/700	880/960	1,500/1,650	
Running Current	Cooling/Heating	A	2.4/3.1	4.0/4.3	6.6/7.3	
Starting Current	Cooling/Heating	A	2.4/3.1	4.0/4.3	6.6/7.3	
EER	W/W	4.55	3.98	3.47	3.21	
	Btu/h.W	15.5	13.6	11.83	10.95	
COP	W/W	4.57	4.17	3.82	3.62	
	Ø / V / Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Power Factor	%	96	96	97	98	
Air Flow Rate	Indoor,Max	m <sup>3</sup> /min(CFM)	12.0(423)	12.0(423)	19.5(689)	
	Outdoor,Max	m <sup>3</sup> /min(CFM)	33(1,165)	33(1,165)	50(1,766)	
Moisture Removal	l/h.	1.1	1.3	1.9	2.6	
Sound Level	Indoor,H/M/L/Sleep	dB(A)±3	38/33/23/19	39/33/23/19	42/40/35/29	
	Outdoor,Max	dB(A)±3	45	45	51	
Refrigerant & Charge (at 7.5 m)	g(oz)	R410a, 1,000(35.3)	R410a, 1,000(35.3)	R410a, 1,350(47.62)	R410a, 1,800(63.49)	
Additional Refrigerant charge	g/m(oz/ft)	20(0.22)	20(0.22)	20(0.22)	35(1.23)	
Piping Connections	Liquid Side	mm(in)	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)	
	Drain Hose(O.D/I.D)	mm(in)	21.5/16.0(0.85/0.63)	21.5/16.0(0.85/0.63)	21.5/16.0(0.85/0.63)	
Dimensions	Indoor (W*H*D)	mm	885*285*205	885*285*205	1,030*325*245	
		inch	35.2*11.2*8.1	35.2*11.2*8.1	40.6*12.8*9.65	
	Outdoor (W*H*D)	mm	770*545*288	770*545*288	870*655*320	
Net Weight	Indoor	kg(lbs)	11(24.3)	11(24.3)	15.5(34.2)	
	Outdoor	kg(lbs)	34(75.0)	34(75.0)	51(112.4)	
Operation Range	Cooling(Outdoor)	°C	-10-48	-10-48	-10-48	
	Heating(Outdoor)	°C	-15-24	-15-24	-15-24	
Max. Piping Length	m(ft)	20(65.6)	20(65.6)	20(65.6)		
Max. Elevation Difference	m(ft)	7(23.0)	7(23.0)	15(49.2)		
Functions	Temperature Control	Thermistor	Thermistor	Thermistor	Thermistor	
	Auto Clean	O	O	O	O	
	CHAOS Wind(Auto Wind)	O	O	O	O	
	Steps, Fan/Cool/Heat	5/6/5	5/6/5	5/6/5	5/6/5	
	Airflow Direction Control(Up&Down)	Auto	Auto	Auto	Auto	
	Airflow Direction Control(Left&Right)	Auto	Auto	Auto	Auto	
	Remote Controller Type	Wireless LCD	Wireless LCD	Wireless LCD	Wireless LCD	
	Setting Temperature Range	Cooling	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C
		Heating	16°C ~ 30°C	16°C ~ 30°C	16°C ~ 30°C	16°C ~ 30°C
	Auto Changeover (Micom Control)	O	O	O	O	
	Self Diagnosis	O	O	O	O	
	Timer	24h, On/Off	24h, On/Off	24h, On/Off	24h On/Off	
	Sleep Operation	O	O	O	O	
	Soft Dry Operation	O	O	O	O	
	Restart Delay(minute)	3	3	3	3	
Deice Control(Defrost)	O	O	O	O		
Hot Start	O	O	O	O		
Jet Cool	O	O	O	O		
Low Ambient Operation	O	O	O	O		

Note : 1. Capacities are based on the following conditions Cooling : Indoor Temperature 27°C DB / 19°C WB / Outdoor Temperature 35°C DB / 24°C WB  
Heating : Indoor Temperature 20°C DB / 15°C WB / Outdoor Temperature 7°C DB / 6°C WB

2. Specifications, design and feature are subject to change without prior notice.

O	Applied
x	Not Applied
-	Not Relavant