



**LG**  
Life's Good



International  
Forum  
Design

red dot design award

## ARTCOOL DC INVERTER

(Cooling & Heating)

You may have heard the excitement about Inverter technology; LG Inverters are the pinnacle of energy efficiency due to the innovative operation. Rather than using a constant speed compressor, the LG Inverter system uses a variable speed compressor, which means the Cooling or Heating capacity of the AirConditioning can be varied to suit Indoor conditions. This makes the LG Inverter Units more economical & efficient to operate, produce less noise than standard counterparts and contain most superior features on the market. All LG Inverter units have 6 major benefits including premium features like Energy Saving; Power Heating Capacity; Pleasant Feeling; DC Inverter Compressor; Quick Cooling & Heating and Quiet Operation.





# ARTCOOL DC INVERTER

C09AWRNE2 / C12AWRNE2 / C18AWRN81 / C24AWRN81  
 C09AWRUE2 / C12AWRUE2 / C18AWRU81 / C24AWRU81

Indoor & Outdoor

## FEATURES

NEO Plasma Air Purifying System Anti Corrosion Gold Fin Auto Changeover Auto Cleaning Jet Cool Natural Wind by CHAOS Swing Energy Saving Wireless Remote Controller Sleep Mode Auto Operation Quiet Operation Healthy Dehumidification Auto Restart 24-Hour ON/OFF Setting Timer Hot Start



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**Note:** Due to our policy of innovation some specifications may be changed without notification

## INDOOR UNIT

		C09AWRNE2		C12AWRNE2		C18AWRN81		C24AWRN81	
Nominal Capacity (Rated)	Cooling	Btu/hr	3,070 - 9,000 - 12,620		3,070 - 12,000 - 13,800		6,000 - 18,000 - 19,800		13,200 - 24,000 - 26,400
		kw	0.89 - 2.64 - 3.69		0.89 - 3.51 - 4.04		1.76 - 5.26 - 5.80		3.87 - 7.03 - 7.74
	Heating	Btu/h	12,300		15,600		20,700		28,800
		kw	3.60		4.57		6.07		8.44
Running Current	Cooling	A	3.4		4.8		7.3		11.0
	Heating	A	3.4		5.7		8.3		13.0
Power Supply		Ø / V / Hz	1 / 220 - 240 / 50		1 / 220 - 240 / 50		1 / 220 - 240 / 50		1 / 220 - 240 / 50
Operational Temp. Range	Cooling	°C	18		18		18		18
	Heating	°C	30		30		30		30
Air Circulation		CFM	10.5		10.5		16		20.3
Sound Level (H / M / L)		dB(A) ±3	31 / 27 / 22		37 / 27 / 22		42 / 39 / 36		43 / 40 / 36
Dehumidification Rate		l/h	1.2		1.3		2.1		2.7
Dimensions (W x H x D)	Body	mm	915 x 282 x 165		915 x 282 x 165		1,107 x 299 x 200		1,107 x 299 x 200
Weight	Body	kg	10 (22.1)		10 (22.1)		14.1 (31.1)		14.1 (31.1)
Drain Hose		mm	16.0		16.0		16.0		16.0
Piping Connections	Liquid	mm(inch)	6.35 (1/4)		6.35 (1/4)		6.35 (1/4)		9.52 (3/8)
	Gas	mm(inch)	9.25 (3/8)		9.52 (3/8)		12.7 (1/2)		15.88 (5/8)

## OUTDOOR UNIT

		C09AWRUE2		C12AWRUE2		C18AWRU81		C24AWRU81	
Compressor	Capacity	Btu/hr	3,070 - 9,000 - 12,620		3,070 - 12,000 - 13,800		6,000 - 18,000 - 19,800		13,200 - 24,000 - 26,400
	Type		Rotary		Rotary		E-Scroll		Rotary (Non Tropical)
Refrigerant Charge	Charge @ 7.5m	g	1,000		1,000		1,200		1,800
	Type		R410		R410		R410		R410
Fan Motor	Input / Output	W	43		43		65		76.5
	Type		BLDC		BLDC		AC Induction		AC Induction
Noise Level	Sound Press (1m)	dB(A) ±3	45		45		54		55
Dimensions (W x H x D)		mm	770 x 545 x 245		770 x 545 x 245		870 x 655 x 320		870 x 808 x 320
Net Weight	Outdoor	kg	32 (70.6)		32 (70.6)		46 (101.4)		60 (132)
Power Supp. Cable (Includes earth)	No *mm <sup>2</sup>		3 x 1.0		3 x 1.0		3 x 1.5		3 x 2.5
Power Supply		Ø / V / Hz	1 / 220 - 240 / 50		1 / 220 - 240 / 50		1 / 220 - 240 / 50		1 / 220 - 240 / 50
Max Piping	Elevation / Length	M	7 / 15		7 / 15		7 / 15		15 / 30
Drain Hose		mm	21.5		21.5		21.5		21.5
Running Current	Cooling / Heating	A	3 / 4		4.8 / 5.7		7.3 / 8.3		11.0 / 13.0
Air Circulation		CMM / CFM	27.0		27.0		42.0		58.0

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9,000 – 12,000 Btu/hr



18,000 – 24,000 Btu/hr