

ENERGY EFFICIENT POOL HEATING SOLUTION

InverECO PLUS is Madimack's revamped InverECO range. The upgraded PLUS series now delivers heating and cooling capacity, a sleek, user-friendly interface, all wrapped up in a premium outer casing. Perfect for energy conscious pool owners, InverECO PLUS ensures your pool stays at the ideal temperature year-round. With built-in Wi-Fi and innovative "low energy" and "night" modes, it enhances efficiency by up to 20%. InverECO PLUS simply and efficiently extends your family's swimming season, all while reducing energy consumption.



Soft Start

InverECO will start from 0 amps and increase steadily to protect your electrical system



Anti-corrosion ABS casing

Protects your pool heat pump year-round. Small footprint and corrosion resistant casing



Boost & silence

Switch between Boost Mode to heat your pool faster and Silence Mode when quieter operation is preferred



Dedicated pool heating inverter control system



Wi-Fi module and smart app



Electronic expansion valve technology



Twisted titanium heat exchanger



Full Stepless DC Compressor



Down to 0°C operation temperature





1 YEAR LABOUR WARRANTY.



TECHNICAL PARAMETERS

Model	EPNC09	EPNC13	EPNC16	EPNC20	EPNC24	EPNC28
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%						
Heating capacity (kW)	9.0	13.0	16.0	20.2	24.2	28.0
COP Range	10.5 ~ 6.2	10.8 ~ 6.3	10.7 ~ 6.2	10.8 ~ 6.2	10.8 ~ 6.3	11 ~ 6.3
Average COP at 50% Speed	9.0	9.2	9.1	9.1	9.2	9.2
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Heating capacity (kW)	6.5	9.0	11.0	14.0	16.0	19.5
COP Range	6.5 ~ 4.2	6.2 ~ 4.5	6.6 ~ 4.3	6.5 ~ 4.2	6.6 ~ 4.5	6.5 ~ 4.4
Average COP at 50% Speed	6.1	6	6.1	6.1	6.2	6.2
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%						
Cooling capacity (kW)	3.6	5	6.1	7.7	8.8	10.8
TECHNICAL SPECIFICATIONS						
Advised pool volume (m3)*	20-45	35-65	40-75	50-90	60-110	65-120
Operating air temperature (°C)	0 ~ 43					
Temperature set point range (°C)	12 ~ 40					
Heat exchanger	Twisted Titanium Heat Exchanger					
Compressor	Full Stepless DC Compressor					
Power supply	230V 1Ph					
Rated input power (kW)	0.28 ~ 1.55	0.41 ~ 2.01	0.50 ~ 2.56	0.60 ~ 3.26	0.72 ~ 3.81	0.89 ~ 4.43
Input power at 50% Speed (kW)	0.53	0.75	0.9	1.15	1.29	1.58
Rated input current (A)	1.21 ~ 6.73	1.76 ~ 8.70	2.17 ~ 11.12	2.61 ~ 14.16	3.13 ~ 16.56	3.87 ~ 19.3
Sound level at 1m dB(A)	41.6 ~ 53.5	43.9 ~ 54.0	46.2 ~ 57.3	46.3 ~ 58.1	46.9 ~ 58.7	48.6 ~ 60.5
Sound level by 50% speed 1m dB(A)	46.8	49.5	49.7	50.6	51.1	52.8
Sound level at 10m dB(A)	21.6 ~ 33.5	23.9 ~ 34.0	26.2 ~ 37.3	26.3 ~ 38.1	26.9 ~ 38.7	28.6 ~ 40.5
Advised water flow (m³/h)	3 ~ 5	4 ~ 6	6 ~ 8	7 ~ 10	10 ~ 12	10 ~ 12
Water connection (mm)	40					
Net dimension LxWxH (mm)	864*359*648	864*359*648	954*359*648	954*359*748	954*429*748	1122*415*958
Net weight (kg)	46	49	60	68	68	90
Maximum input current (A)	8	10 (with plug)	17	19.5	20.5	20
Power cord (mm²)	3x1.5	3x1.5	3x4	3x4	3x4	3x4
Gross Weight (kg)	52	55	67	76	78	107
Packaging dimension LxWxH (mm)	950*375*675	950*375*675	1040*375*675	1040*375*775	1040*435*770	1130*430*1000

* The data above is only for reference. For specific data, please refer to the nameplate on the unit.

* Advised pool volume applies to a private pool with isothermal cover, from April to September.

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