

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



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 -5°C operation temperature





TECHNICAL PARAMETERS

Model	ECO PLUS 90	ECO PLUS 130	ECO PLUS 160	ECO PLUS 200	ECO PLUS 240	ECO PLUS 280
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	10.9 ~ 6.3	10.8 ~ 6.3	11 ~ 6.3
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Heating capacity (kW)	6.5	9	11	14	16	19.5
COP Range	6.5 ~ 4.2	6.2 ~ 4.5	6.6 ~ 4.3	6.4 ~ 4.3	6.6 ~ 4.5	6.5 ~ 4.4
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						
Temperature set point range (°C)	12 ~ 40					
Operating air temperature (°C)	-5 ~ 43					
Compressor	Full Stepless DC Compressor					
Heat exchanger	Twisted Titanium Heat Exchanger					
Power supply	230V/1Ph/50Hz					
Electrical connection	10A plug	10A plug	Hard wired			
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
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
Maximum input current (A)	10	12.5	17	19.2	20	23.50
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 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 (L/Min) ±20	50	75	90	120	150	180
Water connection (mm)	40					
Net weight (kg)	46	49	60	68	68	68
Net dimension L x W x H (mm)	903x349x654	903x349x654	991x349x654	991x349x754	991x420x757	991x420x757

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

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