



Eco

## EFFICIENT HEAT PUMP SERIES

Built with efficiency and simplicity in mind, the quiet, long lasting and easy to use Eco is perfect for energy conscious minds. Encased in 'state of the art' anti-corrosion ABS casing, the Eco will keep your pool warm season after season. Madimack units include WiFi as a standard function, providing the convenience of being able to change your pool's temperature and timers from wherever your day takes you. Additional benefits include 'low energy' and 'night time' modes, enabling heating efficiency to increase by up to 20%. Madimack's Eco pool heating system provides everything your family needs for an extended season of pool-time fun.

- ✓ Energy efficient with COP up to 11
- ✓ Full inverter compressor and inverter fan
- ✓ Five models up to 24 kW in single phase
- ✓ Quieter operation than on/off technology
- ✓ Anti-corrosion ABS casing
- ✓ Easy to use controller
- ✓ Slim design
- ✓ Wi-Fi as standard
- ✓ Titanium heat exchanger with 25-year warranty
- ✓ Front discharge air outlet
- ✓ Reverse cycle defrost
- ✓ Built-in flow switch and safety devices
- ✓ Latest most eco-friendly R32 Refrigerant
- ✓ TÜV Rheinland certified
- ✓ Up to 40 degrees set point temperature

## SPECIFICATIONS

Model	ECO90	ECO130	ECO160	ECO200	ECO240
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%					
Heating capacity (kW)	9.0	13.0	16.1	20.4	24.4
COP Range	10.8~6.4	11.0~6.3	10.9~6.2	10.8~6.2	10.9~6.3
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%					
Heating capacity (kW)	6.5	9.0	11.0	14.0	16.0
COP Range	6.4~4.4	6.4~4.7	6.6~4.3	6.4~4.3	6.6~4.5
TECHNICAL SPECIFICATIONS					
Operating air temperature (°C)	-5°C~43°C				
Compressor	Full Stepless DC Compressor				
Casing	ABS Anti Corrosion Case				
Heat exchanger	Twisted Titanium Heat Exchanger				
Power supply	240V 1Ph				
Electrical connection	10A plug	15A plug	Hard wired	Hard wired	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
Rated input current (A)	1.21~6.73	1.76~8.70	2.17~11.12	2.61~14.16	3.13~16.56
Maximum input current (A)	8.0	12.5	17.0	19.5	20.0
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
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
Advised water flow (L/Min) ±20	50	75	90	120	150
Water connection (mm)	40	40	40	40	40
Net weight (kg)	46	49	60	68	68
Net dimension L x W x H (mm)	903x349x654	903x349x654	991x349x654	991x349x754	991x420x757

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

**7**  
PERFORMANCE RATING

**8**  
INCREASE PERFORMANCE FROM 7 to 8 WITH

EFFICIENCY

DESIGN

QUIETNESS

**Inverter Plus**