

evootherm[®]

HIGH PERFORMANCE HEAT PUMPS



- ✓ Full-Inverter Controlled Motors
- ✓ Twisted Titanium Heat Exchanger
- ✓ DC Twin Rotary Compressor
- ✓ Colour LED Touch Screen
- ✓ Industry Leading Warranty

EVOOTHERM ETI HEAT PUMP

evolution[®]

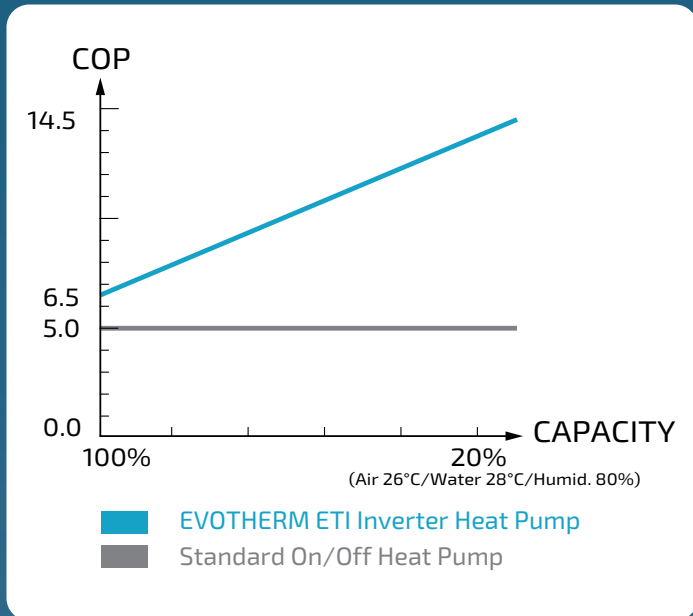
WATER & LIGHTING SOLUTIONS

www.evolutionwls.com.au

The Evootherm ETI Series heat pump is designed to operate efficiently in an extensive range of ambient temperatures to minimise energy costs. The Evootherm ETI is perfect for home and light commercial pool heating and is simple and user friendly, with touch screen or WiFi operation.

COP Of Up To 14.5

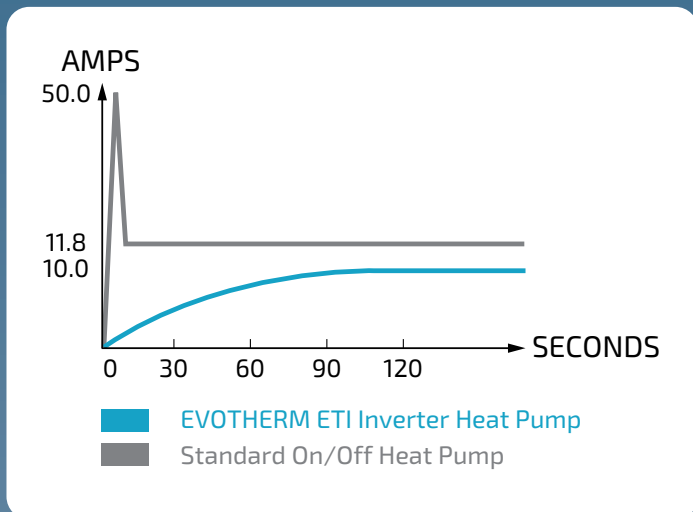
The Evotherm ETI Series heat pump has been designed from the ground up for efficiency. By utilising a full-inverter, stepless drive system, the ETI's efficient technology can increase the Coefficient of Performance (COP) up to a rating of 14.5. High COP ratings equate to higher efficiency, lower power consumption and lower operating costs.



Soft-Start Feature

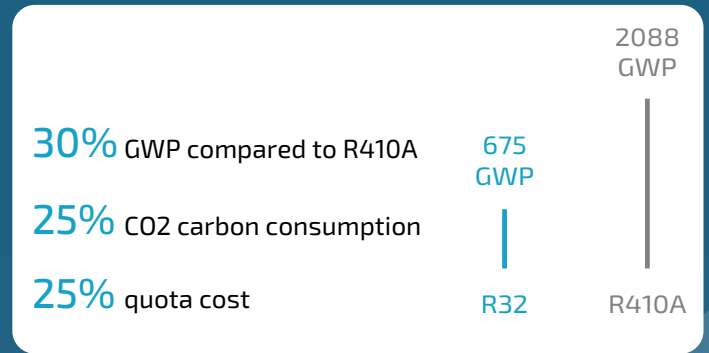
Full-inverter control enables soft-starting, stepless operation of the fan and compressor motors, eliminating harsh current spikes and allowing precision control of motor speeds.

Soft-starting also reduces operation noise and long term, on-off damage to unit components.



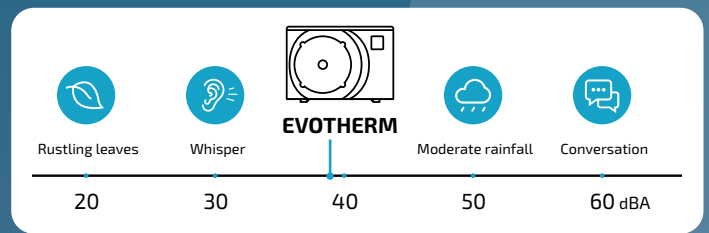
Eco-Friendly R32

The refrigerant used in the Evotherm ETI Series is safer for the environment. R32 refrigerant has a 30% lower Global Warming Potential rating than traditionally used refrigerants like R410A.



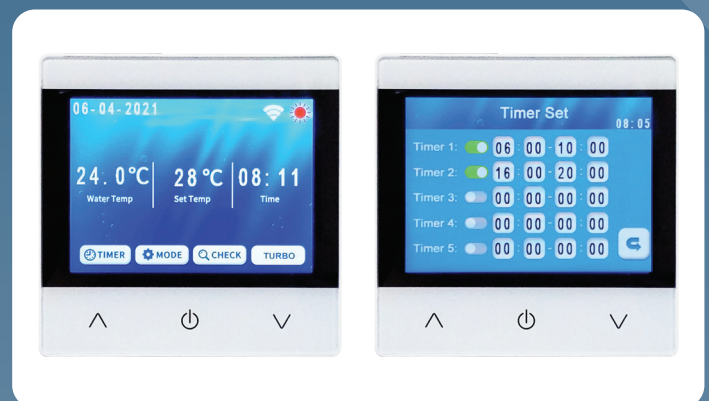
Quiet Operation

One of the most consistent complaints with pool systems is the operating noise of equipment. The Evotherm ETI Series heat pump utilises soft-starting brushless DC electric motors for quiet fan operation. With operation noise levels as low as 39dBA, the ETI is designed to fit seamlessly into your pool environment, allowing you to enjoy your pool in peace.



Touch Screen Control

The Evotherm ETI provides complete control through its backlit user-friendly LED touch screen, allowing you to easily select operating modes, set temperature, schedule timers and run diagnostics at a touch.



Mitsubishi DC Twin-Rotary Inverter Compressor.



Electronic Expansion Valve. Precise refrigerant control.

EVOOTHERM ETI HEAT PUMP

Internal, shielded electronics bay protects sensitive components and circuitry from heat-exchanger condensation and water ingress.

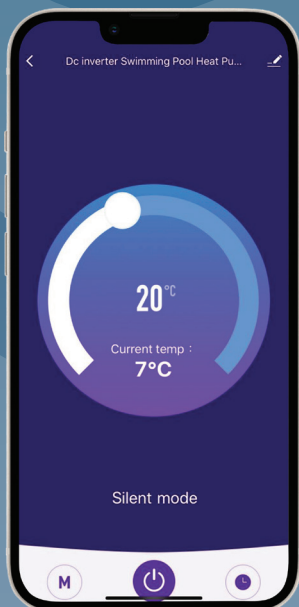
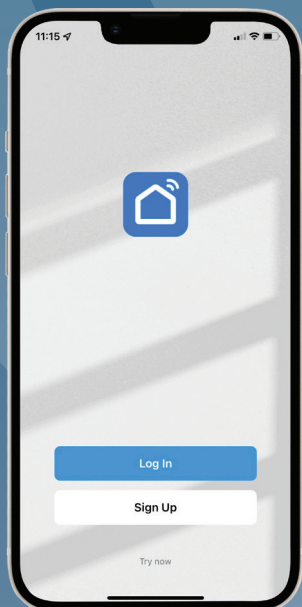
User-friendly LED touch screen to operate the unit and set pool temperature, schedule timers and change modes.

Engineering grade ABS enclosure with steel chassis provides long-lasting unit protection in harsh climates.



Brushless DC fan operates efficiently with soft-start feature that reduces current spikes and electrical load.

Easy access to wiring terminal junction.



WiFi Control

The Evotherm ETI Series heat pump is controllable entirely by WiFi from your smartphone. The free Smart Life app allows you to control the water temperature, on-off schedules and operation modes. In addition, the app provides real time feedback of the unit, allowing you to optimise your pool from anywhere at anytime.

Select between Boost mode for fast daytime heating, Silent Mode for quiet overnight heating or Smart Mode for everyday operation.



Twisted Titanium heat exchanger: 40% more efficient than standard heat exchangers.



Designed to operate at ambient temperatures as low as -7°C.

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HIGH PERFORMANCE HEAT PUMPS

Model	ETI 9.5	ETI 11.5	ETI 15	ETI 21	ETI 25	ETI 30T
HEATING CONDITION 1: Ambient: 26°C, Water Inlet/Outlet Temperature: 26°C/28°C, Humidity: 80%.						
Heating capacity (kW)	1.80–9.5	2.80–11.5	3.50–15.3	4.72–21.2	4.78–25.3	11.7–29.81
Power input (kW)	0.124–1.46	0.193–1.79	0.243–2.41	0.330–3.59	0.340–4.3	0.79–4.45
COP Range	14.51–6.51	14.50–6.42	14.40–6.35	14.30–5.91	14.06–5.88	14.81–6.7
HEATING CONDITION 2: Ambient: 15°C, Water Inlet/Outlet Temperature: 26°C/28°C, Humidity: 70%.						
Heating capacity (kW)	1.50–7.9	2.21–8.23	2.95–11.15	3.50–14.2	3.8–17.1	8.96–22.35
Power input (kW)	0.194–1.491	0.283–1.614	0.386–2.226	0.47–2.88	0.49–3.47	1.31–4.50
COP Range	7.73–5.30	7.81–5.10	7.64–5.01	7.45–4.93	7.76–4.93	6.84–4.96
GENERAL INFORMATION						
Max power input (kW)	1.75	2.3	3.2	4.1	4.49	7.3
Max current(A)	7.95	10.5	14.5	18.8	19.52	13.0
Power supply	220V/1Ph/50–60Hz					380–415V/3PH
Control unit	LED Touchscreen					
Water temp. Heating Mode (°C)	15–40					
Water temp. Cooling Mode (°C)	8–28					
Running ambient temperature range (°C)	-10–43					
Refrigerant	R32					
Refrigerant control	Electronic Expansion Valve					
Valve type	4-way Valve					
Compressor	Twin-rotary Mitsubishi DC Compressor					
Casing material	Engineering Grade ABS					
Air side heat exchanger	Hydrophilic Fin Exchanger					
Water side heat exchanger	Twisted Titanium Tube Heat Exchanger					
Fan type	Horizontal					Vertical
Noise level at 1m (dBA)	39–49	41–51	42–52	44–55	45–56	46–68
Noise level at 10m (dBA)	19–29	21–31	22–32	24–35	25–36	-
Water flow rate (Litres Per Minute)	60–90	70–105	85–120	120–160	135–185	210–240
Net weight (kg)	39	49	56	75	85	137
Net Dimension (mm)	896x353x644	980x353x660		1096x447x680		1055x785x845
Warranty	10 years Titanium Heat Exchanger, 6 Years Compressor, 2 years Electronics, 1 Year In Field					

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