

# evotherm®

## HIGH PERFORMANCE HEAT PUMPS



### ETI-V SERIES



- ✓ Vertical Discharge
- ✓ Twisted Titanium Heat Exchanger
- ✓ DC Twin Rotary Compressor
- ✓ Full-Inverter Controlled Motors
- ✓ Industry Leading Warranty

# EVOOTHERM ETI-V HEAT PUMP

## evolution®

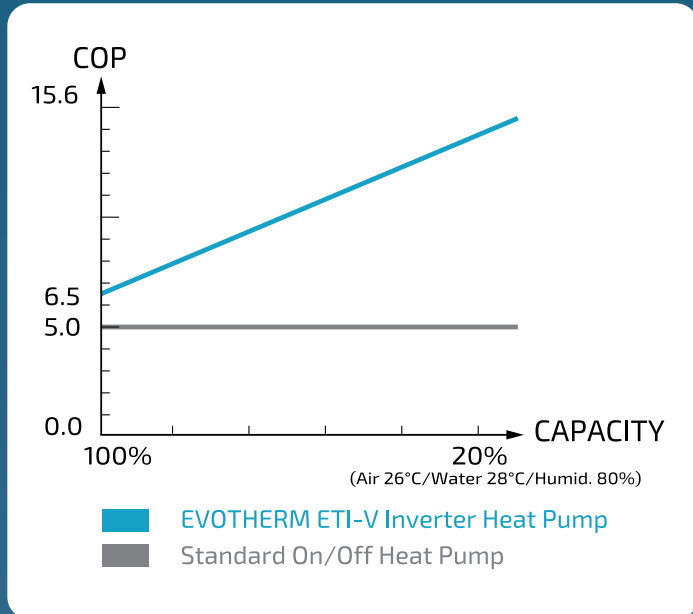
WATER & LIGHTING SOLUTIONS

[www.evolutionwls.com.au](http://www.evolutionwls.com.au)

The vertical exhaust Evotherm ETI-V is the most practical solution for pool owners with space constraints. The innovative design, with 270° air intake, ensures the heat pump can be installed in almost any application without compromising on performance or operating efficiency.

## COP Of Up To 15.6

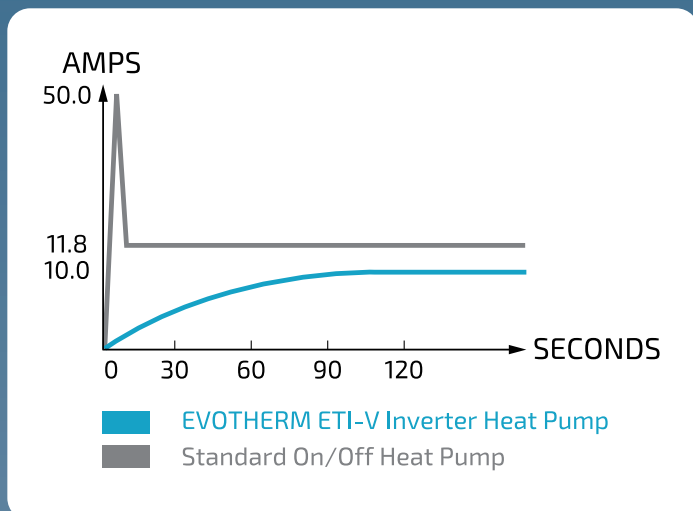
The Evotherm ETI-V Series heat pump has been designed from the ground up for efficiency. By utilising a full-inverter, stepless drive system, the ETI-V's efficient technology can increase the Coefficient of Performance (COP) up to a rating of 15.6. High COP ratings equate to higher efficiency, lower power consumption and lower operating costs.



## Soft-Start Feature

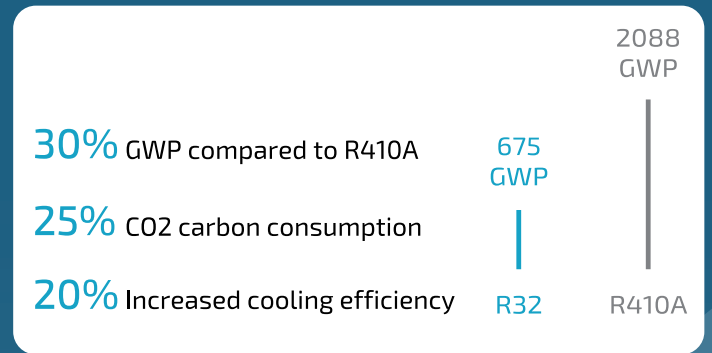
Full-inverter control enables soft-starting, stepless operation of the fan and compressor motors, eliminating harsh current spikes and allowing precision control of motor speeds.

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



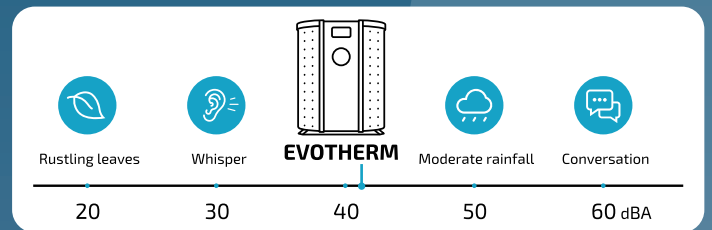
## Eco-Friendly R32

The refrigerant used in the Evotherm ETI-V 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-V Series heat pump utilises soft-starting brushless DC electric motors for quiet fan operation. With operation noise levels as low as 42dBA, the ETI-V is designed to fit seamlessly into your pool environment, allowing you to enjoy your pool in peace.



## LED Control Screen

The Evotherm ETI-V provides complete control through its backlit user-friendly LED control 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.

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Vertical fan orientation moves air upwards, and not across pathways, gardens and the pool.

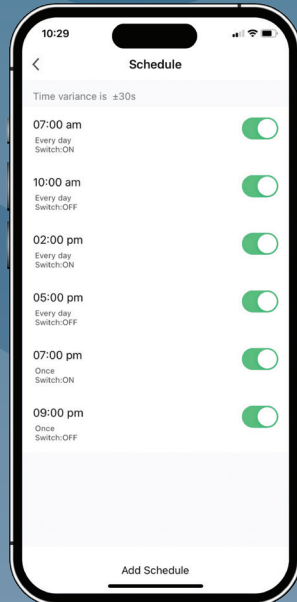
270° air intake, ensures heat pump can be installed in almost any application.

Rear facing fittings protect connections and contribute to an aesthetic design.

Smaller profile design offers a practical solution for pool owners with space constraints.

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

Inbuilt WiFi connectivity allows for total control.



## WiFi Control

The Evotherm ETI-V 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 on the unit, allowing you to optimise your pool from anywhere at any time.

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 in ambient temperatures as low as -10°C.

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## HIGH PERFORMANCE HEAT PUMPS

### Specifications

Model	ETI-V 13	ETI-V 20	ETI-V 26	ETI-V 35
HEATING CONDITION 1: Ambient: 26°C, Water Inlet/Outlet Temperature: 26°C/28°C, Humidity: 80%.				
Heating capacity (kW)	12.56	20.41	26.21	34.8
Power input (kW)	0.18~1.95	0.27~3.28	0.37~4.10	0.74~5.39
COP Range	14.65~6.46	14.35~6.23	14.35~6.54	15.62~6.46
HEATING CONDITION 2: Ambient: 15°C, Water Inlet/Outlet Temperature: 26°C/28°C, Humidity: 70%.				
Heating capacity (kW)	9.75	15	19.5	25.9
Power input (kW)	0.25~1.91	0.37~2.96	0.53~3.83	1.35~5.44
COP Range	8.2~5.11	8.17~5.08	8.2~5.1	6.99~4.76
GENERAL INFORMATION				
Max power input (kW)	3.2	4.7	6.33	7.0
Max current(A)	12	18	24	13.2
Power supply	220-240V/1Ph/50~60Hz			380-415V/3Ph/50Hz
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	ABS+Aluminium			Aluminium
Air side heat exchanger	Hydrophilic fin exchanger			
Water side heat exchanger	Twisted Titanium Tube Heat Exchanger			
Fan type	Vertical			
Noise Level at 1m dB(A)	42~53	45~55	45~57	46~62
Noise Level at 10m dB(A)	23~30	25~32	28~35	32~46
Water flow rate (Litres Per Minute)	75	110	145	220
Net weight (kg)	49	62	73	141
Net Dimension (mm)	500x500x720	640x640x800		907x842x1052
Warranty	10 years Titanium Heat Exchanger, 6 years Compressor, 2 years Electronics, 1 year In Field			

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