

The Clever Choice for Hot Water



CONERGY

Conergy Heat Pump



Why consider a Heat Pump?

Setting a new standard in efficient, cost saving water heating and using the latest technology, the Conergy Heat Pump provides hot water all year round, while drastically reducing your energy consumption.

This system transfers heat energy in the ambient air to the water held in the tank. It provides steaming hot water while requiring 70% less energy than an electric or gas hot water system. As most of the energy comes from the environment each litre of hot water costs less to generate than other methods using fossil fuels.



The Conergy Benefits

- | Save up to 75% on your energy requirements
- | New standards of efficient water heating
- | Save up to 2.6 tonnes of CO₂ emissions per year
- | Gain real savings on your bills
- | Highly reliable and low maintenance operation
- | Easy installation
- | Generous rebates available to approved applicants
- | 2 year warranty on heat pump and 5 years on tank

The Conergy Heat Pump

A heat pump works like a refrigerator in reverse. While a refrigerator uses cold air and discards warm air, the heat pump uses warm air and discards cold air. It uses a working fluid, which vaporises and liquefies as it transfers the heat from the environment into the tank via a heat exchanger.

Tanks

- | Wide range of tank sizes (250, 315 and 400L)
- | Vertical tank structure increases efficiency
- | Vitreous enamel lined steel with sacrificial anode for long life even in hard water areas
- | Durable Colorbond® weather proof casing
- | Robust construction with high density thermal insulation



Our Model Range

Physical Data	
Dimensions	750 x 700 x 400 mm
Weight	45 kg
Free air flow rate	400 m ² /hr
Sound Level	43 dB
Performance Data	
Heat pump heating capacity – Total power output	2.4 kW
Heat pump energy input – Power consumption rating	0.63 kW
Instantaneous COP @ 20°C ambient temp	3.80 COP
Total daily delivery capacity @ 60°C (20°C ambient)	1235 litres/day
First hour delivery @ 60°C (20°C ambient) using 400 litres of storage	340 litres
Recovery rate @ 25°C Rise (20°C ambient)	82 /hr
Electrical Requirements	
Rated voltage	220 - 250 V
Voltage frequency	50 Hz
Current (maximum continuous)	4.2 amps
Fuse rating	16 amps
Temperature Data	
Air inlet temperature	Min 6°C
Hot water temperature – Heat Pump – Thermostat setting	60°C
Compressor	
Design	Fully Hermatic
Refrigerant	R134a
Quantity	0.5 kg
Evaporator	
Design	Lamella on tube
Material	Aluminium/Copper
Hot Water Storage Cylinder	
Rated volume	250 / 315 / 400 L
Case material	Colorbond® Steel
Rated operating pressure	10 Bar
Heat insulation material	High density polyurethane
Corrosion protection coating	Vitreous enamel
Sacrificial tank protection	Magnesium anode

Product Features

- | Plug in unit
- | No collectors necessary
- | Comfortably provides hot water to a household of 8
- | World-class design means low 43db noise level
- | Water temperature up to 60°C
- | Electric heating element standard
- | Compact size allows easy installation near the tank
- | Certified - Australian Standard 2712

For solar hot water contact
solarhotwater@conergy.com.au
or phone 1300 724 516
www.conergy.com.au



Available from: