enviroheat
BY CONSOLIDATED ENERGY



Hot Water
HEAT PUMP

enviroheatpump.com.au

Harness the energy from the air
To heat your water

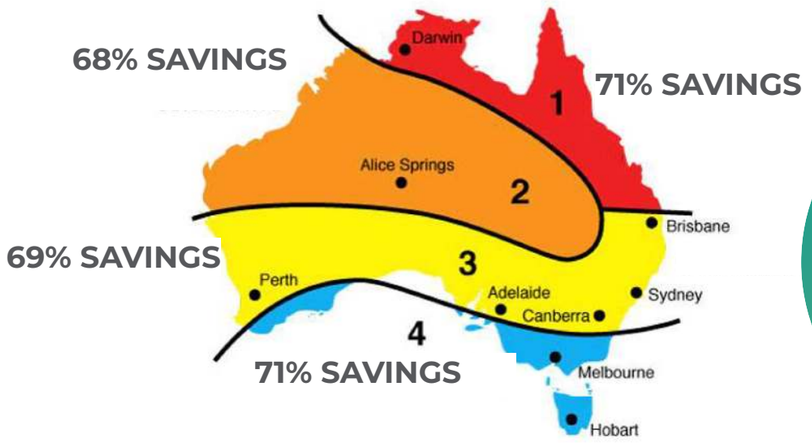
Harness the free heat from the air with an advanced air-source heat pump.

This renewable energy water heating technology will reduce home energy costs whilst providing a plentiful supply of hot water day and night in all weather conditions.
Hot water is a basic household need and there are few things more soothing than relaxing in a warm shower or bath.

There are however, few things more frustrating than running out of hot water just when you want it.
With a heat pump, reliable hot water is always on tap, regardless of the weather. An energy efficient heat pump is a great way for households to reduce their energy consumption and cost of living.

They are ideal for the replacement off old electric water heaters, where residential gas reticulation is not available and when roof- mounted solar collectors are not feasible.

Eco Performance:



UP TO 71% CHEAPER TO RUN

Features

- ECO POWER
- SMART VACATION
- SMART BOOST
- LOW NOISE
- HIGH EFFICIENCY
- FROST PROOF
- ANTI FREEZE
- OVERHEAT PROOF
- LEGIONELLA PROOF
- MICRO CHANNEL

Residential Warranty

5 YEARS
Tank Cylinder & Compressor

1 YEAR
Electronics, Parts & Labour

If any mechanical components fail within the first 5 years, we will replace it with a Brand new unit. Product only. Conditions apply, please consult the Consolidated Energy warranty policy.

How it works

Think of a refrigerator working in reverse.

1kw Electricity combines with **3kw** of FREE heat from the air.



To understand the concept of heat pumps, imagine a refrigerator working in reverse.

While a refrigerator removes heat from an enclosed box and expels that heat to the surrounding air, a Heat Pump takes the heat from surrounding air and transfers it to water in an enclosed tank.

A new Thermal Battery
For your home solar system

The Enviroheat system is the perfect partner for your rooftop solar system. Whether you have an existing solar system on your home or you are considering it for the future, the Enviroheat is the perfect choice to add to your system to gain maximum benefit from the energy generated by the sun.

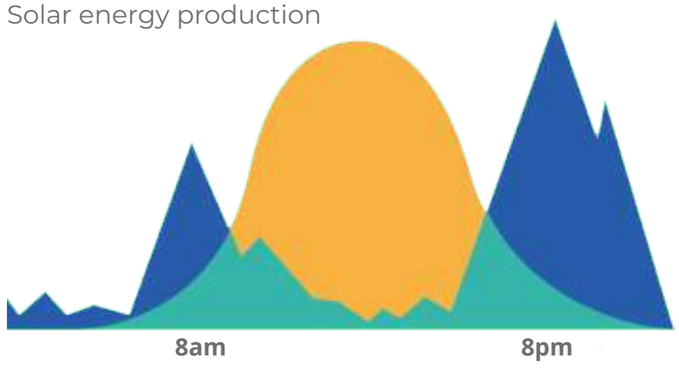
Our advanced control system is equipped with an automatic timer that allows you to maxamise solar power generated during the daytime at nighttime.
A second timer allows for an early morning boost to ensure you ever run out of hot water.

Store the energy from the sun

You can store up to 18kw of heat energy in a single Enviroheat tank.

All the stored heat energy will be ready for you to use at night, when your typical consumption will increase.

- Consumption of stored energy
- Consumption of solar energy
- Solar energy production





Condenser Design



Standard Heat Pump *vs* Micro Channel

MULTIPLE CHANNEL DESIGN
The multi-channel condenser design divides flow into 11 galleries with greatly improved heat transfer over a single pipe.

TITANIUM-ALUMINUM ALLOY FOR BETTER CORROSION & HEAT RESISTANCE
The multi-channel condenser withstands corrosion for 7.5 times longer than copper pipe condenser.

200h → 1500h

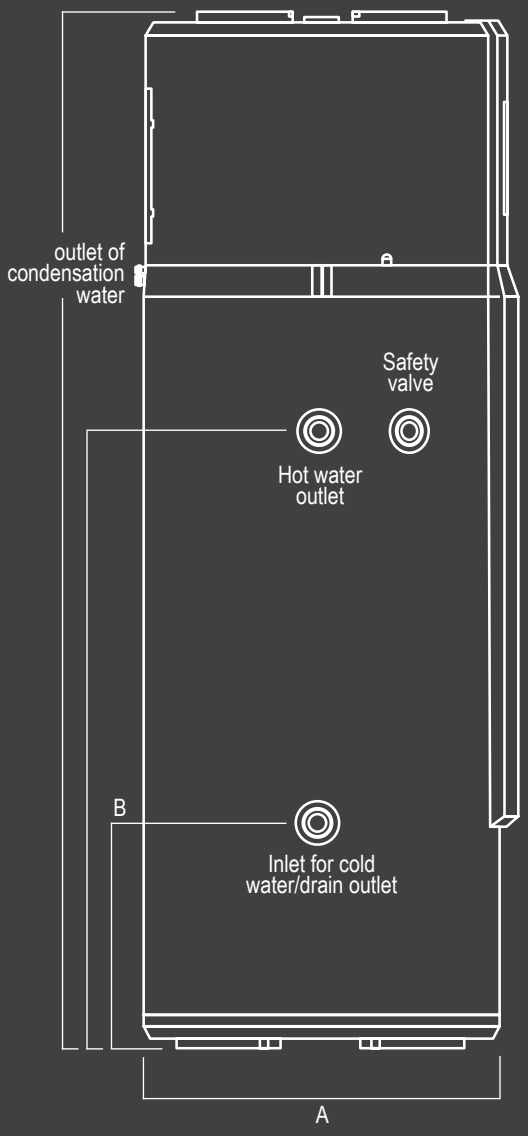
REDUCED PRESSURE DROP IMPROVES COMPRESSOR EFFICIENCY BY 6%
Micro-channel: pressure drop 0.03Mpa
Coil pipe : pressure drop 0.15Mpa

0.15MPa → 0.03MPa

LARGER CONTACT SURFACE TO IMPROVE HEAT TRANSFER EFFICIENCY BY 30%
Improved heat transfer means improved efficiency.
Up to 71% cheaper to run than conventional hot water systems.

0.236M² → 0.708M²

Model	A	B	C	D
200EH1-14	629	270	980	1692
250EH1-15	629	270	1275	1987



Heat Pump Model	200EH1-14	250EH1-15
Nominal tank volume (L)	200	250
Power supply (V/Hz/Phase)	220-40/50/1	
Insulation protection	IPX4	
Relief valve pressure (kPa)	700	
Tank material	Vitreous enamel coated steel	
Plumbing connection size	G3/4" F	
Corrosion protection	Sacrificial anode	
Average heat pump input power (W)	495	
Max. heat pump input power (W)	865	
Auxiliary heating input power (W)	1500	
Max. input power/current (W/A)	2365/9.85	
Refrigerant (type/quantity)	R134a/0.9kg	
Default temp. setting (°C)	55	
Temperature setting range (°C)	35 - 75	
Minimum ambient temperature (°C)	-7	
Noise level (dBA)	46	
Unit weight (net/gross - kg)	91/103	102/115
Product dimensions (D*W*H mm)	600*629*1670	600*629*1965
Packing dimensions (D*W*H mm)	735*695*1940	735*695*2250

- All pictures shown are for illustration purpose only.
- Products and specifi cations are subject to change without notice.
- The system must be installed in accordance with the installation instructions provided in the users manual.
- If the system is to be installed in an unsheltered location, it must be fitted with an Enviroheat Weathershield (supplied with unit).

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