



# enviroheat

BY CONSOLIDATED ENERGY



## Hot Water **HEAT PUMP**

[enviroheatpump.com.au](http://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.

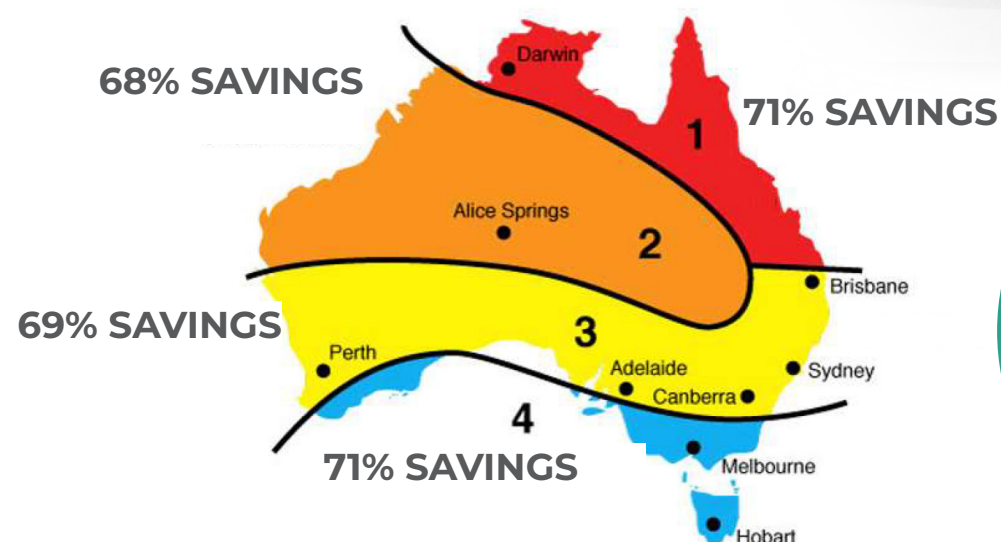
Hot water is a basic household need and there are few things more soothing than relaxing in a warm shower or bath.

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.*





# 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.

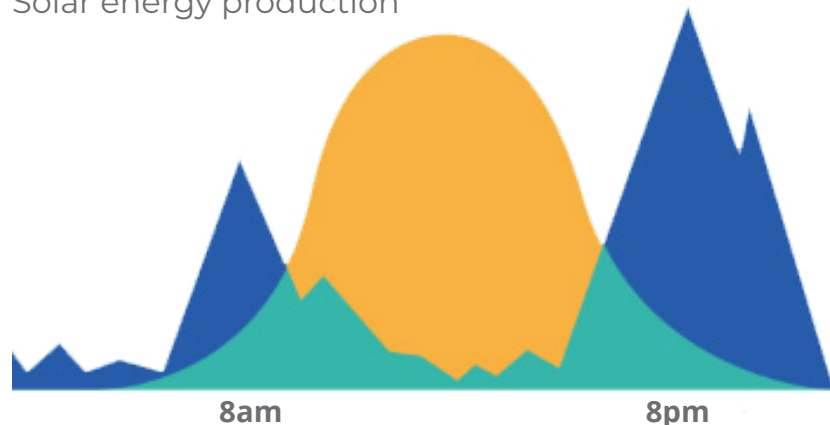
Our advanced control system is equipped with an automatic timer that allows you to maximise solar power generated during the daytime at nighttime. A second timer allows for an early morning boost to ensure you ever run out of hot water.

## 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

### HEAT PUMP COMPRESSOR

Specially designed for heat pumps to maximise the efficiency.



### BASE HEAT EXCHANGER

The unique base heat exchanger ensures total tank heating to maximize hot water delivery and efficiency.



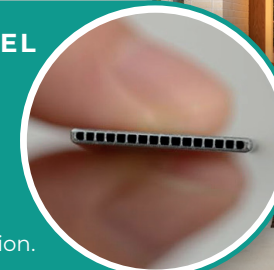
### NO FIXED WIRING

Simply plug the unit into a 10 Amp power point, no fixed wiring required.



### MICRO-CHANNEL CONDENSER

The micro-channel condenser has larger contact surface for better heat transfer performance and less refrigerant consumption.



### DUAL ANODES

Twice the corrosion protection with dual full length anodes. Reduces costly maintenance and gives peace of mind in hard water areas.



## Standard Heat Pump vs Micro Channel



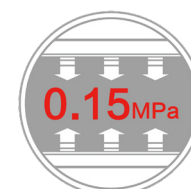
### MULTIPLE CHANNEL DESIGN

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



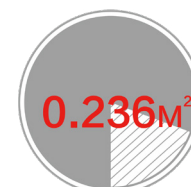
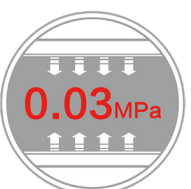
### TITANIUM-ALUMINUM ALLOY FOR BETTER CORROSION & HEAT RESISTANCE

The multi-channel condenser withstands corrosion for 7.5 times longer than copper pipe condenser.



### REDUCED PRESSURE DROP IMPROVES COMPRESSOR EFFICIENCY BY 6%

Micro-channel: pressure drop 0.03Mpa  
Coil pipe : pressure drop 0.15Mpa

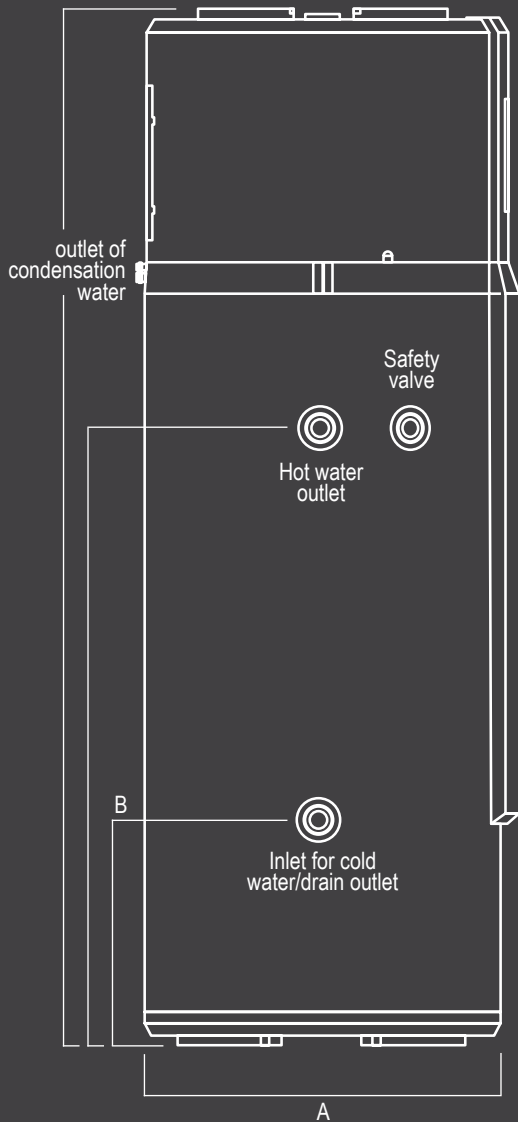


### LARGER CONTACT SURFACE TO IMPROVE HEAT TRANSFER EFFICIENCY BY 30%

Improved heat transfer means improved efficiency. Up to 71% cheaper to run than conventional hot water systems.



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



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| 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 specifications 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).



## Contact Us

### Sales

P. 1300 560 944

E. [info@consolidatedenergy.com.au](mailto:info@consolidatedenergy.com.au)

W. [enviroheatpump.com.au](http://enviroheatpump.com.au)

### National Distribution

Perth

Melbourne

Brisbane

Sydney

Canberra