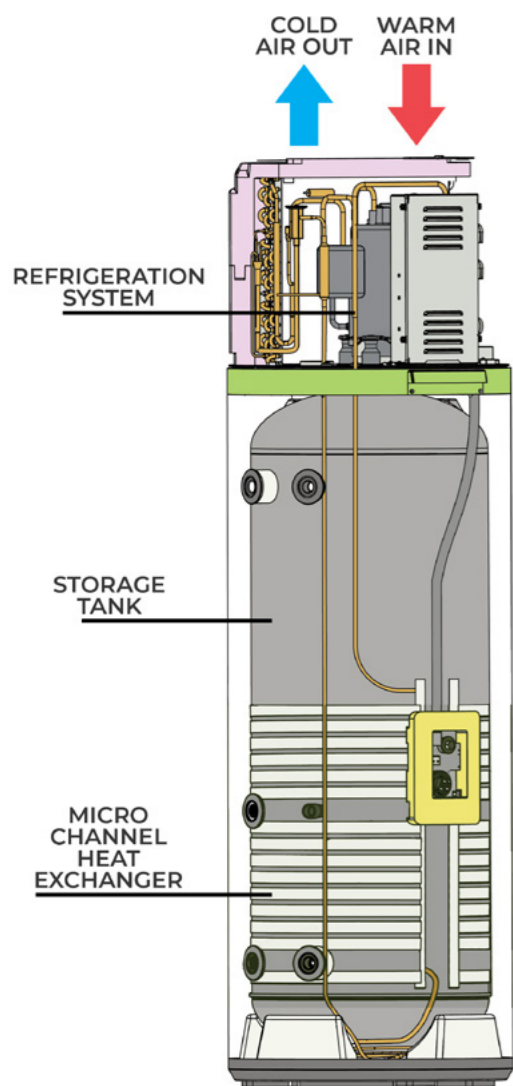


# HOW IT WORKS

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.

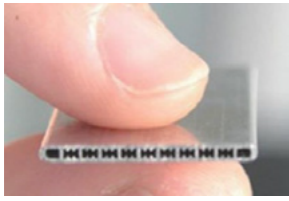
Heat pump technology makes efficient use of the heat in the surrounding air, even at temperatures as low as  $-7^{\circ}\text{C}$ . In fact the Enviroheat system is so efficient that it can convert 1kW of electricity into over 4kW of heat.



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 ( $^{\circ}\text{C}$ )	55	
Temperature setting range ( $^{\circ}\text{C}$ )	35 - 75	
Minimum ambient temperature ( $^{\circ}\text{C}$ )	-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



## CONDENSER DESIGN



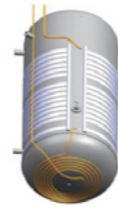
### MICRO-CHANNEL CONDENSER

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



### HEAT PUMP COMPRESSOR

Specially designed for heat pumps to maximise the efficiency.



### BOTTOM COIL

Extra bottom coil design enlarges the total heat exchange area to deliver more hot water and contributes to better efficiency.

## 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.



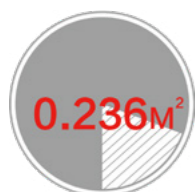
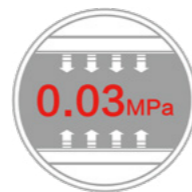
### TITANIUM-ALUMINUM ALLOY FOR BETTER CORROSION & HEAT RESISTANCE

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.



## FEATURES



ECO POWER



SMART VACATION



SMART BOOST



LOW NOISE



HIGH EFFICIENCY



FROST PROOF



ANTI FREEZE



OVERHEAT PROOF



LEGIONELLA PROOF



MICRO CHANNEL

## RESIDENTIAL WARRANTY

**5 YEAR** | **3 YEAR** | **1 YEAR**

Tank Cylinder  
(3 Year Labour)

Compressor  
(1 Year Labour)

Electronics, Parts & Labour

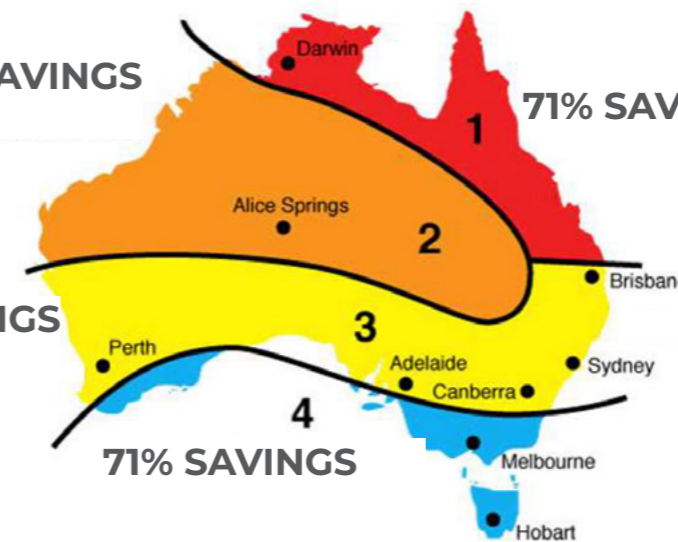
## PERFORMANCE

68% SAVINGS

71% SAVINGS

69% SAVINGS

71% SAVINGS



**UP TO 71% CHEAPER TO RUN**