



ECOGENICA

# LEADING THE WAY IN HOT WATER HEATING INNOVATION

For a Sustainable Future  
ECOGENICA® Heat Pumps



## The NEW ECOGENICA® W-Series 450l Heat Pump



## Innovation meets Technology

Designed from the ground up to meet the hot water requirements of Australian homes. The ECOGENICA® W Series provides unbeatable value for money, delivering energy savings, for a cheaper more sustainable future.

At ECOGENICA®, we believe in redefining the way you experience hot water in your home. As a pioneering Australian based, global manufacturer, we're dedicated to pushing the boundaries of innovation, sustainability, and cost-efficiency.

Employing the newest generation of natural refrigerants, R290, we ensure that all models within this range have superior energy efficiency and the system meets the highest global standards.



**WI-FI ENABLED REMOTE CONTROL** A powerful and intuitive user interface enables the remote controlling of the full range of all system functions and includes the ability to zone, manage multiple units, whilst monitoring energy consumption.



**HOT & COLD WEATHER HOTWATER** Operates in ambient temp. ranges of -7 to +40 degrees Celsius, with advanced de-icing and heat injection and control technology.



**ADVANCED MONITORING SYSTEM** Manage the consumption of power, assess the power consumption in real-time, with a constant flow of information on the display, adjust the display to read either the total power consumption or the monthly spend.



**LOW OPERATING NOISE** Engineered to operate with low noise levels.



## WHAT DO OUR CUSTOMERS SAY?

" I own my own home, but I'm always prudent with my decision making. I only invest in things I know are high quality and will give me value for my dollar. These guys ticked the box in both regards and the install was a breeze!"

**FRED**  
RETIREE IN SYDNEY

" I'm one of those people that investigates all options thoroughly before making big decisions. This decision stacked up financially, for convenience and service. It was such an easy step by step process, I couldn't be happier!"

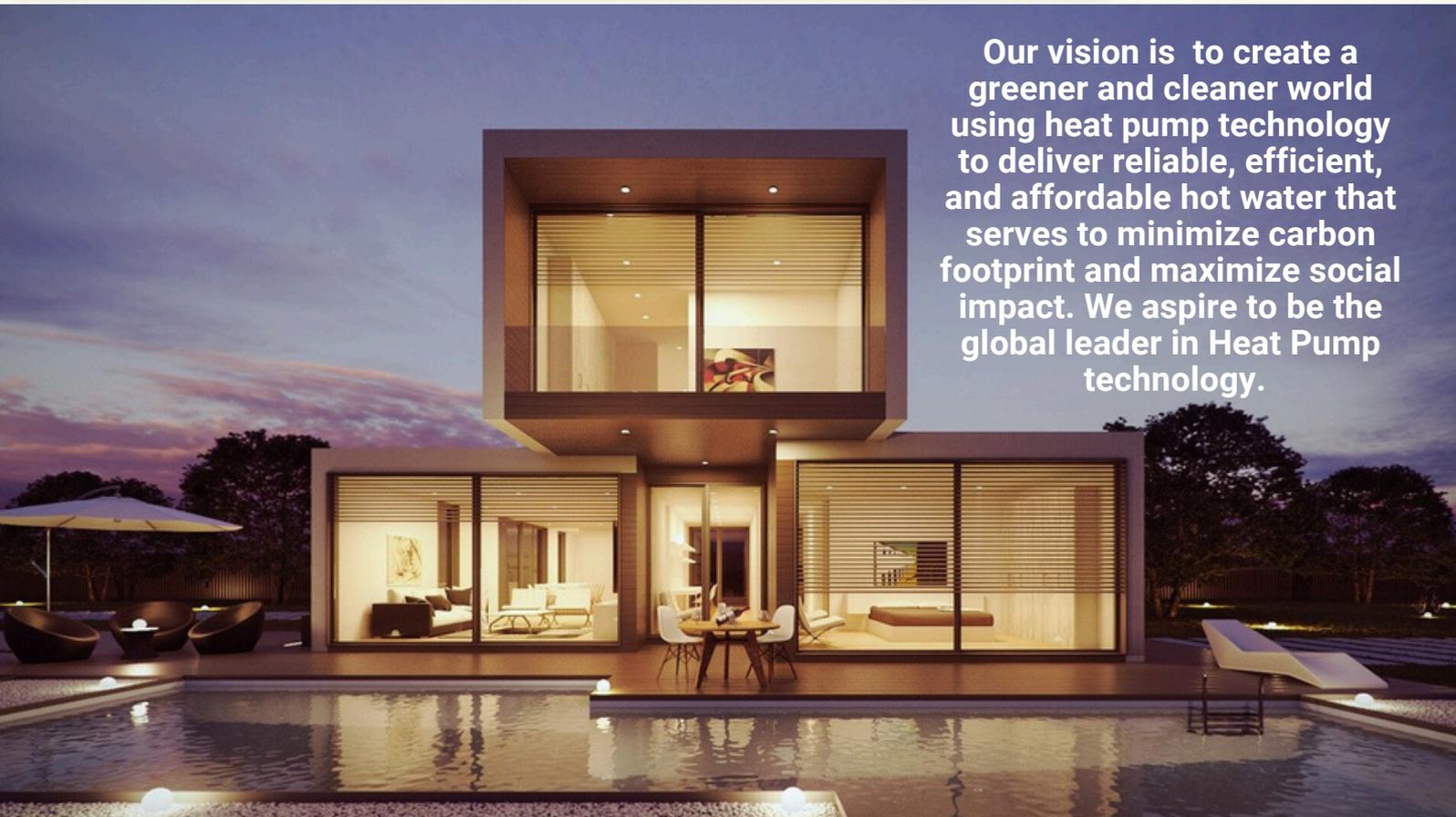
**BRODIE**  
PROFESSIONAL IN DUBBO

" The experience of setting up our heat pump through Ecogenica was so easy and straight forward. The before and after service were exceptional and applying for the rebate was made so easy!"

**ROWAN AND SARAH**  
HOMEOWNERS IN NEWCASTLE



**ECOGENICA**



**Our vision is to create a greener and cleaner world using heat pump technology to deliver reliable, efficient, and affordable hot water that serves to minimize carbon footprint and maximize social impact. We aspire to be the global leader in Heat Pump technology.**

# Specifications

Description	W Series 450l 4.8kW	W Series 450l 3.6kW
<b>Model</b>	EG-450FRECW-4.8HP-4.8E	EG-450FRECW-3.6HP-4.8E
Wi-Fi	Yes	Yes
No. of Sensors	2	2
Tank Volume	450 litre	450 litre
Input Power	1023 W	735.6 W
Energy Savings	78%	79%
Total Thermal Capacity (kW)	10.27	8.47
Recovery Rate (Litres/Hour) HP/HP Boost	103/206	77/181
Set Hot Water Temperature °C	65	65
Heat Pump Heating Capacity	4764 W	3553 W
COP	4.6 W/W	4.8 W/W
Booster Electric Element Heat Capacity	4800 W	4800 W
Fittings (Inlet & Outlet)	32mm / G1 ¼	32mm / G1 ¼
Return Inlet	32mm / G1 ¼	32mm / G1 ¼
Height	1835 mm	1835 mm
Width	700 mm	700 mm
Heat Pump Size Height	610 mm	545 mm
Width	840 mm	780 mm
Depth	313 mm	276 mm
Circuit Breaker Amps	32	32
Power Supply	220-240V/50Hz	220-240V/50Hz
Operating Temperature Range	-7°C~+43°C	-7°C~+43°C
Refrigerent Type	R290	R290
Protection Ranking Class	IPX4	IPX4
Connection	Split Quick	Split Quick

Note: Recovery Rate @ 40°C rise (L/hr) Is the number of litres of water that can be heated through a 40°C temperature rise in one hour - air temperature is 20°C, the 330 litre Heat Pump can heat 99 litres 40°C from 15°C 55°C 1st hour delivery = 70% of storage plus recovery rate. All listed specification are measured at inlet water temperature +14°C; Dry Bulb Temperature +19°C, wet bulb temperature 15 °C and hot water set point 55°C .Recovery rates vary with environmental conditions. This water heater is with fully welded enamel tank meeting the design requirements: AS 2712 and AS 60335. This water heater complies with AS 3498 and AS/NZS 1677.2 Maximum allowable pressure:4.4MPa Current certificates listed on reverse page are effective until the end of Dec 2025 or the end of Jan 2026, respectively. Please see details for end date of specific certificate type.



Water heating is the largest single source of green house emissions accounting for almost a quarter of household energy use.

Your new ECOGENICA® heat pump uses a small amount of energy to move heat from one location to another. Heat is absorbed by ozone-friendly R290, a natural refrigerant **which does not contribute to global warming.**



**ECOGENICA®**

**A smart choice for the environment, a smart choice for you**

**We support the Australian Government in its commitment to transforming our energy supply system into one that is cheap, clean and reliable.**

This lays the foundation for future generations to enjoy more secure, reliable and affordable energy. You can choose an ECOGENICA® product safe in the knowledge that our innovative technology is focused on energy AND environment savings.

Our hot water heat pumps are CFC free and utilise renewable energy, extracted from the air.

CALL: **1300 341 010**

VISIT: [ecogenica.com.au](http://ecogenica.com.au)

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**ECOGENICA**