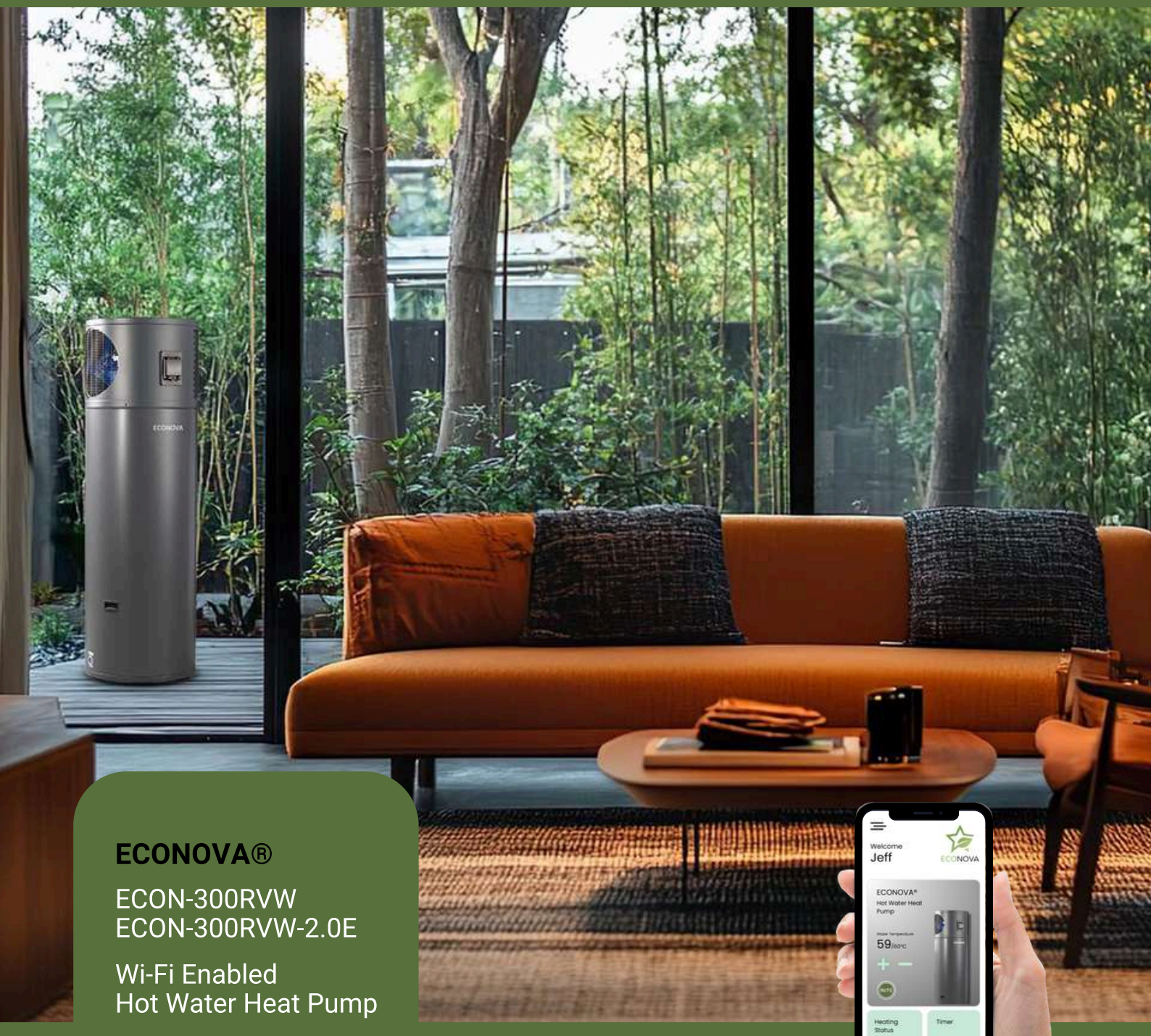
Your energy cost savings start here!

ECONOVA



ECONOVA®

ECON-300RVW
ECON-300RVW-2.0E

Wi-Fi Enabled
Hot Water Heat Pump

Congratulations! You've taken the first step in reducing your family's energy bills

When you upgrade your Econova heat pump hot water system you can save up to 80% of your hot water energy costs*. Our Hot Water Heat Pump range allow you to unlock government financial incentives, to assist in reducing the cost to upgrade, reduce your energy bills and energy consumption.

As an Australian owned innovator, designer and supplier of some of the most energy efficient Heat Pump hot water systems on the Australian market, Econova and associated entities have sold over 290,000 heat pumps since the launch of its first Dynaheat Heat Pump in 2018.

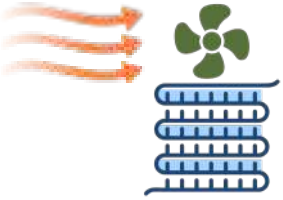
Annual running costs *

* Data provided by www.sustainability.vic.gov.au and based upon 150L usage per day for a family of four on a tariff of 22.88 c/kWh.

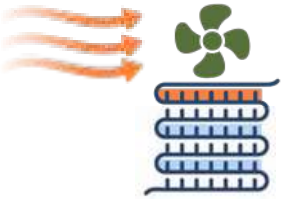
How Heat Pumps Work

A hot water heat pump works by moving heat from one place to another instead of generating heat directly. Here's how it generally operates:

1 **Heat Absorption:** The pump uses a refrigerant that easily absorbs heat from the outside air. Even when it's cold outside, there's still heat available.



2 **Compression:** The refrigerant, now warmed up, is compressed by a compressor. This raises its temperature and pressure.



3 **Heat Transfer:** The hot, high-pressure refrigerant then flows through a heat exchanger, where it transfers its heat to the water in the storage tank.

4 **Expansion:** After releasing its heat, the refrigerant cools down and is allowed to expand which lowers its pressure and temperature.

5 **Cycle Repeats:** The cooled refrigerant goes back to absorb more heat from the environment, cold air expelled, and the cycle continues as hot water is supplied.

So, essentially, a hot water heat pump is like a fridge working in reverse: it takes heat from outside and pumps it into your water, making it hot without using a lot of electricity.

Model Specifications	ECON-300RVW	ECON-300RVW-2.0E
Hot Water Capacity	290 Litres	290 Litres
Heating Capacity Watts	2650	2650
Maximum input current (A)	3	11.7
Rapid Boost Element (KW)	No	2
RCBO Current Rating (A)	16	20
Refrigerant/Charge (grams)	R290/380	R290/380
Application	Residential	Residential
1st Hour Delivery (litres)	>300	>300
Tank Dimension (mm)	φ640*2005	φ640*2005

1. Heat Pump activation Set Point at mid sensor on residential models is 55 degrees.
2. All models power supply: 220-240V/50Hz
3. All models operating temperature range: -7°C ~+43°C
4. All Fittings (inlet & outlet): 20mm / G ¾
5.Maximum water temperature: 70 degrees Celsius
6. Protection Ranking Class: IPX4
7.RVW models come with high efficiency DC compressor and advanced, variable frequency control. RW models come with optimised AC fixed speed compressor and fans
8. 1st hour hot water delivery = storage + hot water produced in the 1st hour. Typical production in 50 to 60 litres/hour depending on the model and the weather conditions.
9. RVW-E models are the same as RVW models, except for 2 kW Element.
10. Rapid Boost is activated from the top sensor and provides additional heat to the upper tank only, to provide heating under excessive load, or emergency hot water consumption.

Legionella control methods

The following models comply with AS 3498 legionella control with a weekly heating cycle using the bottom sensor to ensure at least 90% of the tank volume is heated to at least 60C for 32 minutes - performed at 2.am for convenience.

ECON-300RVW
ECON-300RVW-2.0E

"ECONOVA® takes your hot water experience to a new level, delivering hot water at an economical price, pushing back against rising energy bills, putting you back in control, and saving money for the things that matter.."

Your new ECONOVA® heat pump uses a small amount of energy to meet your hot water needs. Heat is absorbed by ozone- friendly R290, a natural refrigerant which does not contribute to global warming.

We support the Australian Government in its commitment to transforming our energy supply system into one that is more economical, clean and reliable. This lays the foundation for future generations to enjoy more secure, reliable and affordable energy.

Econova is dedicated to reducing carbon footprints and promoting greener technology. Our heat pumps provide efficient hot water heating while minimising environmental impact, ensuring sustainable warmth without compromise.

Leading the way in hot water heating innovation

ECONOVA® Heat Pumps for a Sustainable Future.

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