



# Energy-Efficient Water Heating for SMBs.

Welcome.



## Who is Ecovantage?

Ecovantage was established in 2007 to support businesses and households to reduce energy use and contribute to the fight against climate change through a reduction in emissions.

Our offices in Sydney, Melbourne, Adelaide and Sunshine Coast are staffed with employees who are genuinely passionate about climate change and are dedicated to helping our customers manage carbon and energy.

With dedicated engineers, compliance officers and program managers in each state, we offer localised support to our implementation partners, which enables us to ensure comprehensive compliance within the schemes.

Our extensive experience in the industry means we have honed our systems and processes to gain efficiencies around evidence collection and processing, allowing us to scale our activities up or down as the local markets dictate.

We work within the energy efficiency schemes in New South Wales, Victoria, South Australia and Queensland, as well as the national Renewable Energy Target scheme and Emission Reduction Fund, to help commercial and industrial organisations, and small to medium enterprises, access incentives for energy efficiency upgrades.

Since 2007, we have helped Australian businesses and households abate over 7 million tonnes of greenhouse gases. Our goal is to reach 10 million by 2025.

## What is a Heat Pump Hot Water System?

A heat pump hot water system uses a small amount of electricity and outside air instead of electricity elements or gas flames to heat your home's water. Heat pumps are highly efficient and have become increasingly popular and affordable for Australians and can be a great first step away from gas usage at your home. They use approximately half the energy consumed by older hot water systems.

## How does Ecovantage Fit in?

Ecovantage has a range of high-efficiency heat pump hot water systems. Whether you have an old electric or gas storage hot water system, Ecovantage has you covered.

Ecovantage has installed over 3,500 heat pump units in South Australia, Victoria and New South Wales, many of which have cost our customers next to nothing thanks to government and state based subsidies.

Although we don't manufacture any heat pump units, we partner with leading heat pump manufacturers to offer a range suitable for all homes and small to medium businesses. We back all of our products and installations with confidence, only using experienced a-grade electricians and plumbers, and offering parts and service warranties under the Australian Consumer Law.



State Based  
Incentives.

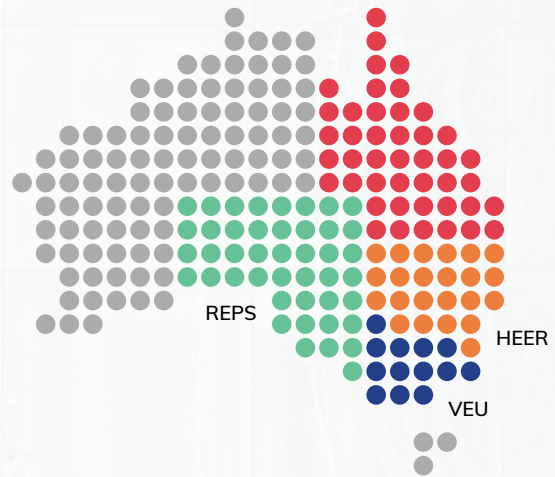
## How Schemes Work.

Thanks to state and government-facilitated schemes, we can upgrade your electric hot water system to an energy-efficient heat pump at a fraction of the retail price.

Under these schemes, energy certificates are awarded to activities that reduce carbon dioxide emitted into our environment.

Heat pump hot water systems are very energy efficient, so some states offer certificates on top of those already on offer from the federal government. These certificates can then be traded, and the value is used to discount the heat pump being installed.

As Australia's leading Accredited Certificate Provider (ACP), we have extensive experience in generating and trading certificates.



### South Australia - REPS.

Under the [Retailer Energy Productivity Scheme](#) (REPS) program, businesses can upgrade to energy-efficient technologies with financial incentives, including heat pumps.

### Victoria - VEU.

Under the [Victorian Energy Upgrades Scheme](#) (VEU), we can swap out an eligible electric hot water system to an energy efficient heat pump. Rebates vary and our team can provide you a comprehensive quote.

### New South Wales - HEER / ESS.

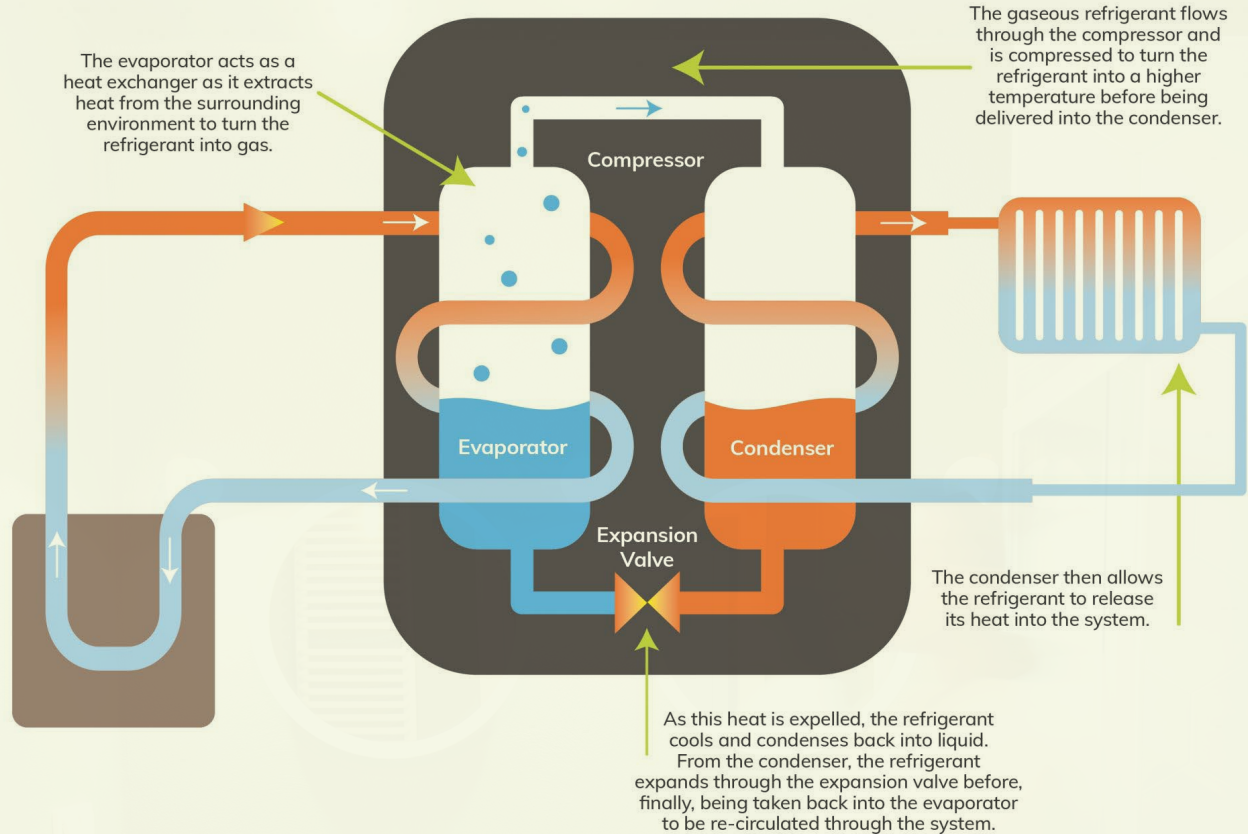
Under the [Energy Savings Scheme](#) there are financial incentives available for eligible upgrades, and under the Peak [Demand Reduction Scheme](#) you may be eligible for further savings.

### Queensland.

While there are currently no state incentives in Queensland, we can still supply and install a new heat pump at a reduced cost thanks to federal programs. The savings are still the same – up to 70% less energy used.

# How a Heat Pump Works.





## How Do They Work?

Think of a heat pump as a 'refrigerator in reverse,' taking the heat from the surrounding environment to heat your water and pushing cool air back out, just like a refrigerator compressor compresses and expels the hot air inside a fridge.

Not only are heat pumps energy-efficient, but they are also more environmentally friendly than traditional gas/electric hot water systems. They mostly use solar heat energy, consume very little electricity, and require minimal maintenance, making them a smart investment for any business owner.

There are four major components:

1. the evaporator
2. the compressor
3. the condenser
4. the expansion valve

First, the evaporator acts as a heat exchanger as it extracts heat from the surrounding environment to turn the refrigerant into gas. The gaseous refrigerant flows through the compressor and is compressed to turn the refrigerant into a higher temperature before being delivered into the condenser. The condenser then allows the refrigerant to release its heat into the system. As this heat is expelled, the refrigerant cools and condenses back into liquid. From the condenser, the refrigerant expands through the expansion valve before, finally, being taken back into the evaporator to be re-circulated through the system. It's a continuous cycle.

# Quantum Heat Pumps.



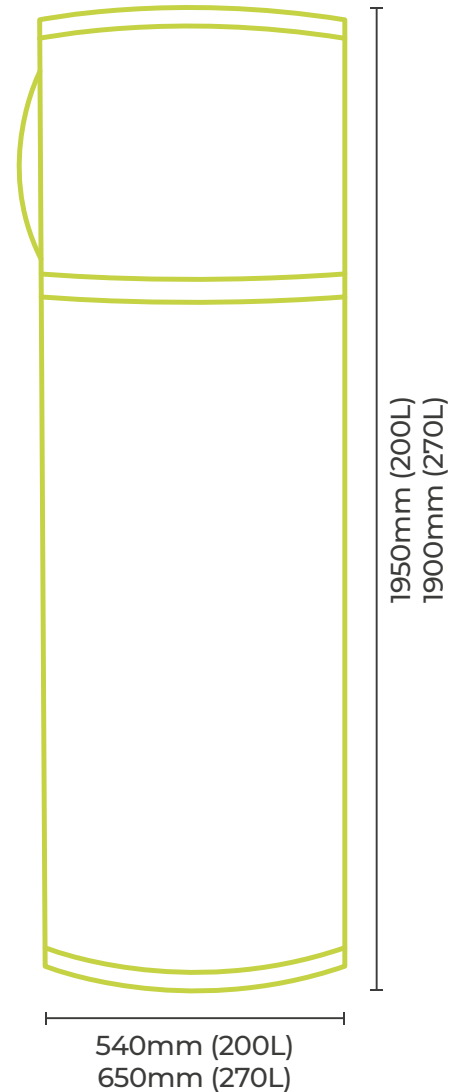


# Why Consider a Quantum?



With over 30 years of ongoing product development, Quantum heat pumps have been tried and tested to perform reliably and efficiently, even in the harshest weather conditions.

	200-08A C6-290	270-08A C6-290
	200L	270L
	2-4 people	5+ people
	50dB	48dB
	-15 to +40 °C	
	R290	
	840w	
	4.3 COP*	4.53 COP*
	5 years (tank) 2 years (compressor)	
	China	
	REPS / VEU / ESS approved	



\*The coefficient of performance (COP) is a ratio of useful heating or cooling provided to work (energy) required. Higher COPs equate to higher efficiency, lower energy (power) consumption and thus lower operating costs.

# EcoGenica Heat Pumps.



EG-215FR



EG-260FR

# Why Consider an EcoGenica?

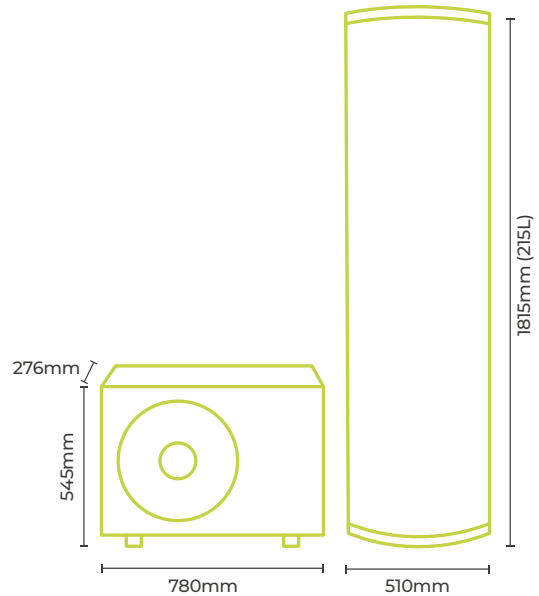
EcoGenica heat pumps include a long 7 year warranty on the tank and 5 years on the compressor. They are designed for Australian conditions with a wide operating temperature of -7 to +41°C.



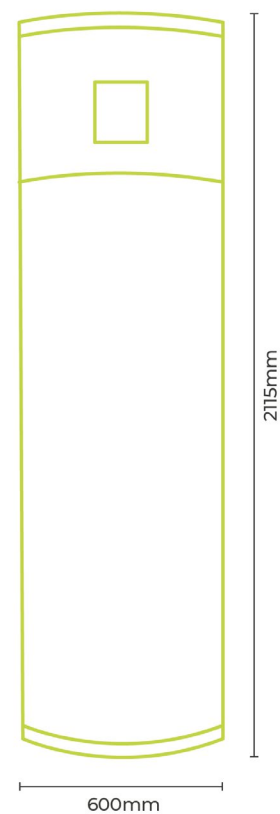
**ECOGENICA**  
\*ECOALLIANCE

	EG-215FR290C	EG-260FR290C
	215L	260L
	1-5 people	3-6 people
	47dB	50dB
	-7 to +40 °C	-7 to +41 °C
	R290	R290
	700w	700w
	4.8 COP*	4.6 COP*
	7 years (tank) 5 years (compressor)	
	China	
	REPS / VEU / ESS approved	

EG-215FR290C



EG-260FR290C



\*The coefficient of performance (COP) is a ratio of useful heating or cooling provided to work (energy) required. Higher COPs equate to higher efficiency, lower energy (power) consumption and thus lower operating costs.

# Contact Us.

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