The Future of Hot Water

Heat Pump Water Heating is providing New Zealand homeowners with a cost-efficient, sustainable alternative way to heat their water. By utilising heat from the surrounding air, heat pump water heaters need less energy to create hot water than traditional heaters that rely purely on gas or electricity.

Why is this important news for Kiwis?
Water heating is the third biggest energy use for NZ homes, utilising more energy on average than even personal vehicles. This means that by reducing your water heating energy consumption, you can also substantially reduce your overall household emissions, as well as your monthly energy bill.

To put this in context, the Rheem Ambipower 280e can save you over 70% of your water heating energy costs compared to traditional water heaters. Making the change to a heat pump water heater therefore provides both a tangible way for you to live more sustainably and substantially reduce your household energy costs.

The sooner we make the switch, the faster we move towards a lower-carbon, more cost-effective energy future for New Zealand.

Install a Rheem®

Get in touch with
our team of experts

0800 657 336

For more info:

rheem.co.nz

The Energy Efficient Heat Pump Range

JOIN THE SMART ENERGY REVOLUTION

AmbiPower
MDc-180

Holding close to 180 litres of hot water, Rheem AmbiPower® MDc-180, offers heat pump water heating technology in New Zealand's most popular size of hot water cylinder. By changing to an AmbiPower® MDc-180, you can save almost 70% on your water heating energy costs*, making it the go to energy-efficient and sustainable alternative to standard gas and electric water heaters.

MODEL	A551180C5
Storage Capacity	178 Litres
Operating Temperature Range	-7 to +43°C
Rated Heat Pump power input	683 Watts
Element Rating	2.4 kW
Refrigerant	R134a
Recommended electrical circuit	15 Amps
Number of people per household	Up to 4
Noise level @ 1 metre	48 dB(A)
Controller info	Display + Adjustable Temperature
PERFORMANCE SPECIFICATIONS^	
Ambient air temperature	19°C
Recovery rate @ 45°C rise	61 L/hr
Average heating capacity (kW)	3.1
COP^	4.9
Dimensions: 1810mmH x 532mmW	

^COP performance specifications according to standard AS/NZS5125
*Analysis required by Standard AS/NZS 4234:2008 is based on the TRNSYS simulation model

AmbiPower
280e

With an ultra-low global warming potential of less than three, the Rheem AmbiPower® 280e is one of the most sustainable water heaters in our range. Amazingly, it can also save you over 70% on your water heating energy costs*. Nothing is compromised in performance though, as the AmbiPower® 280e can cater to the hot water needs of larger families across New Zealand's different climate zones.

MODEL	A551E280R5
Storage Capacity	280 Litres
Operating Temperature Range	-6 to +43°C
Rated Heat Pump power input	690 Watts
Element Rating	2.4 kW
Refrigerant	R290
Recommended electrical circuit	15 Amps
Number of people per household	Up to 6
Noise level @ 1 metre	47 dB(A)
Controller info	Display Only (non-adjustable temp)
PERFORMANCE SPECIFICATIONS^	
Ambient air temperature	19°C
Recovery rate @ 45°C rise	56 L/hr
Average heating capacity (kW)	2.9
COP^	5.2
Dimensions: 1832mmH x 696mmW	

JOIN THE SMART ENERGY REVOLUTION

Ambiheat
HDc-270

Producing a whopping 77 litres of hot water per hour, the Rheem Ambiheat® HDc-270 is your choice for the ultimate in heat pump water heating technology. An interactive touchscreen LED display puts user friendly functions at your fingertips, such as a Dual Timer, Vacation Mode, and Timer Control. As with the AmbiPower® 280e, the AmbiHeat can also save you over 70% on your water heating energy costs*.

MODEL	A55127005
Storage Capacity	270 Litres
Operating Temperature Range	-5 to +43°C
Rated Heat Pump power input	985 Watts
Element Rating	2.4 kW
Refrigerant	R513a
Recommended electrical circuit	15 Amps
Number of people per household	Up to 6
Noise level @ 1 metre	47 dB(A)
Controller info	Functional
PERFORMANCE SPECIFICATIONS^	
Ambient air temperature	19°C
Recovery rate @ 45°C rise	77 L/hr
Average heating capacity (kW)	4.0
COP^	4.4
Dimensions: 1825mmH x 690mmW	

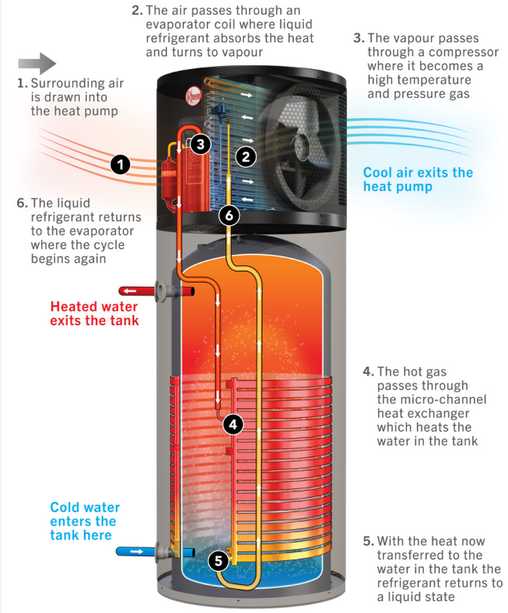
How it Works

Rheem Heat Pump Water Heaters are a smart, energy-efficient solution for residential hot water. Instead of generating heat directly, they extract warmth from the surrounding air—using far less electricity than conventional electric water heaters.

These systems perform reliably year-round, in all weather conditions, including cooler days. That's because they don't rely on sunlight—they use ambient air, which always contains usable heat.

What sets Rheem apart is the Advanced Microchannel wrap-around heating technology. This innovative design maximises heat transfer, improves efficiency, and ensures consistent hot water delivery.

The diagram below illustrates how this technology works—giving you a clear understanding of what makes Rheem Heat Pumps a dependable and sustainable choice.



COP
The Coefficient of Performance for a Heat Pump is the ratio of how much useful heat it produces for water heating to the power input into the water heater. The higher the COP number, the more efficient the Heat Pump is.

Average Heating Capacity (kW)
This is how much heating power is put into the water during the heating cycle. It is expressed as an average due to the changes in heating power from the refrigeration cycle as the water is being heated and its temperature increases during the heating cycle.

Recovery Rate @ 45°C rise (L/hr)
This is the number of litres of water that can be heated through a 45°C temperature rise in one hour, e.g. when the air temperature is 19°C, the AmbiPower 280 can heat 56 litres of water from 15°C to 60°C in one hour.