

# Rinnai



**A smarter hot water solution for the homes of tomorrow.**  
The HydraHeat® Hot Water Heat Pump from Rinnai.

The experts in water heaters and heat pumps have combined the technology of both to bring you a very clever solution - a Hot Water Heat Pump called HydraHeat®.

Using the efficiency of heat pump technology, HydraHeat® will heat a home's water while saving you up to 75% on your water heating costs\*. The result is a far more cost-effective and more sustainable solution for the homes of tomorrow.

Designed and built right here in New Zealand for Kiwi conditions, HydraHeat® is easy to install for any home. It really is the future of hot water. To find out more, go to [rinnai.co.nz](http://rinnai.co.nz)



#### **Up to 75% Savings on Hot Water Costs\***

Provides highly efficient water heating, minimising energy consumption and lowering operating costs.



#### **Dedicated to Sustainability**

Powered by only 150g of high-efficiency R290 refrigerant with low Global Warming Potential and COP of 4.7.\*\*



#### **Renowned Quality**

Crafted with exceptional quality by Rinnai New Zealand, the trusted name in total home living.



#### **Designed and built in NZ**

Specifically designed for New Zealand climatic conditions (from -10°C to +42°C), as well as coastal locations. Operates in full heat pump mode right down to -10°C without the need for electric boosting.



#### **Reliability**

The inbuilt electric element guarantees a consistent and dependable supply of hot water, at all times.



#### **Modular 'Heat Pump Ready' Design**

Ability to upgrade from a standalone electric water heater to Heat Pump Technology with addition of Heat Pump unit.



#### **Easy Servicing**

Removable Heat Pump unit allows for easy servicing, and ensures uninterrupted supply of hot water.



#### **Frost Protection**

Built-in defrost and frost protection functions to handle colder climates



#### **NZ MEPS compliant**

MEPS (Minimum Energy Performance Standard) means less heat loss from unit and less energy use, resulting in a more efficient product. Not all Hot Water Heat Pumps in New Zealand are MEPS compliant.



#### **Warranties**

5-year heat pump unit warranty and a 7-year cylinder warranty.



#### **User Friendly Control Interface**

Features OLED screen and six operation modes for versatility.



#### **6 Operation Modes**

Standard, Boost, Eco 55, Eco 50, High Usage, and Element Only.



#### **Suitable for Hard or Soft Water Areas**

Featuring an enamel cylinder with a magnesium anode for effortless use in both hard and soft water areas.

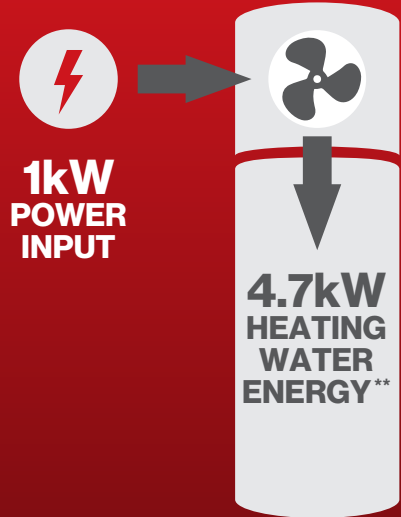


#### **Ideal for a Range of Residential Styles**

Suitable for homes of 2–6 people. Plus an operating sound level of only 45dBA makes it suitable for a wide range of homes, including built-up residential areas.

## How It Works

Operating much like a refrigerator in reverse, the HydraHeat® utilises the surrounding air's ambient temperature and amplifies this energy to heat water at significantly reduced costs compared to conventional hot water cylinders.



## Heat Pump Unit

The top unit is the powerhouse using heat pump technology that extracts thermal heat energy from ambient air.

## 275L Cylinder

The cylinder itself can operate on either electricity or in heat pump mode so you have freedom to choose the best heating option for you.



# Technical Information

RINNAI MODEL	UNIT		RHPN361A275E20
<b>System</b>			
Storage capacity	Litres		275L
Coefficient of Performance (COP) **	W/W		4.7
Rated Heat Pump Output <sup>1</sup>	W		3725
Rated Heat Pump Input <sup>1</sup>	W		802
Hot Water Recovery Rate <sup>2</sup>	L/hr		89
Element Rating	kw		2
Operating Temperature	°C		-10 – 42
Noise Level <sup>3</sup>	dB(A)		45
Refrigerant Type / Mass (g)			R290 / 150
People per Household			2 to 6
Modes of Operation			Standard, Boost, Eco 55, Eco 50, High Usage, Element Only
<b>PRODUCT SPECIFICATIONS</b>			
Dimensions – Assembled	Height	mm	1750
	Diameter	mm	692
Dimensions – Heat Pump	Height	mm	510
	Weight	kg	36.4
Dimensions – Cylinder	Height	mm	1275
	Weight	kg	87
Total weight – Empty		kg	113.5
Total weight – Full		kg	400
Cylinder Construction			Enamel
<b>Mains Pressure Water Supply &amp; Connections</b>			
Inlet	inch		2x RP 3/4
Outlet	inch		2x RP 3/4
Temperature Pressure Relief (TPR) Valve Pressure Rating		KPa	850
Cold Water Expansion Value Max Pressure Rating		KPa	700

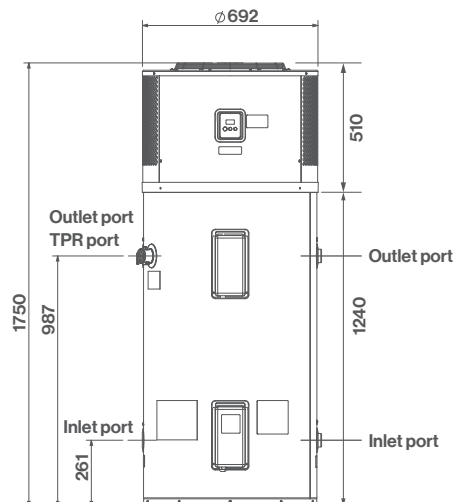
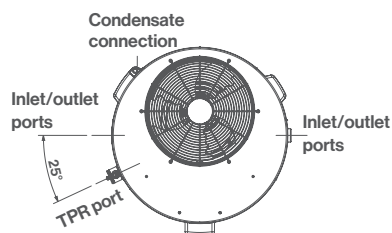
\* Compared with a standard hot water cylinder in Zone 5 (Auckland). Annual energy performance estimated according to AS/NZS4234:2008 and AS/NZS5125:2014, medium load size.

\*\* Coefficient of Performance was measured at the following conditions: Inlet water temperature 19°C, Outlet Water temperature 55°C, Dry Bulb Temperature 19°C.

1. In Standard, Eco 55 and Eco50 modes, the heat pump provides 100% of the heating within the operating temperature range. Outside these limits the electric element will operate.

2. Recovery rate calculated at Eco 55 mode, 19C ambient temperature, 41C temperature rise.

3. Sound pressure level (SPL) measured at 1 metre distance from the water heater in a free field. Appliance operated in standard mode (60°C) at an ambient temperature of 19°C.



View the warranty conditions prior to purchase at [rinnai.co.nz/warranty](http://rinnai.co.nz/warranty)