

# 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.

\* 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.

\*\* Accredited Testing to AS/NZS 5125 Pending by NATA accredited Provider.

## 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.

\*At 19°C ambient temperature. Water heated from 19-55°C.  
COP of 4.7 based on Accredited Testing to AS/NZS 5125 Pending by NATA accredited Provider.



**1kW  
POWER  
INPUT**



**4.7kW  
HEATING  
WATER  
ENERGY\***



## 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

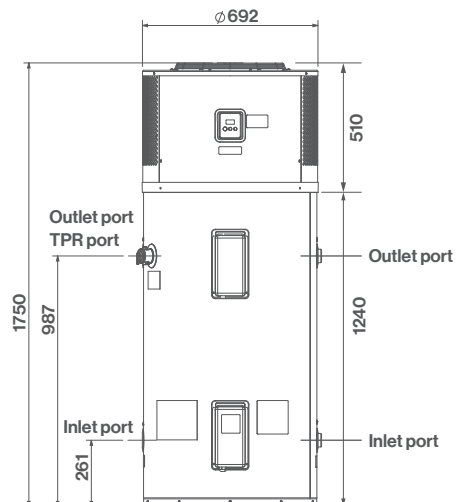
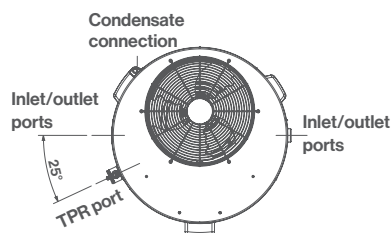
RINNAI MODEL	UNIT		RHPN361A275E20
<b>System</b>			
Storage capacity	Litres		275L
Coefficient of Performance (COP)*	W/W		4.7
Rated Heat Pump Output**	W		3725
Rated Heat Pump Input**	W		802
Hot Water Recovery Rate^	L/hr		89
Element Rating	kw		2
Operating Temperature	°C		-10 – 42
Noise Level^^	dB(A)		45
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	1240
	Weight	kg	77.1
Total weight – Empty		kg	113.5
Total weight – Full		kg	400
Cylinder Construction			Enamel
<b>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

\* Coefficient of Performance was measured at the following conditions: Inlet water temperature 19°C, Outlet Water temperature 55°C, Dry Bulb Temperature 19°C. Accredited Testing to AS/NZS 5125 Pending by NATA accredited Provider.

\*\* 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.

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

^^ 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)