

Efficient Water Heating for Every Season

EXCEED heat pump water heaters are the result of a two year development program and are designed to provide efficient water heating in New Zealand's climate conditions. Up to half of your energy costs annually may be spent on water heating alone. Exceed's design makes it perfect for installation in new and existing homes as it can be connected to most types of water cylinders in good condition. They are recognised by the New Zealand government as being able to assist with our need to conserve energy.

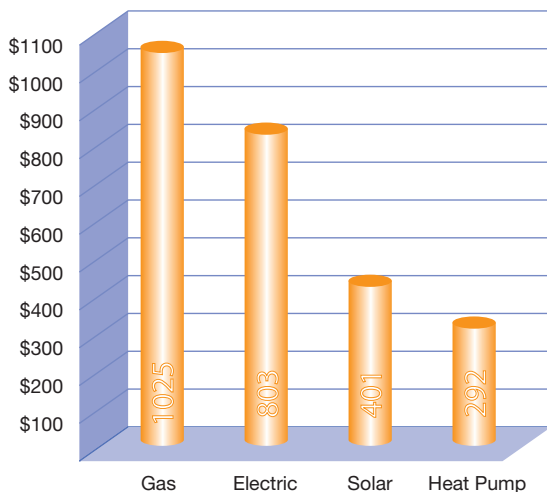


Advantages of EXCEED Heat Pump Water Heating

- Efficient water heating giving you savings of up to 66% on your water heating costs.
- Lower purchase and installation cost than solar panel water heating systems.
- Reliable hot water supply giving quick recovery for families using a lot of hot water.
- Easy installation in new and existing homes. No building permit or structural alterations required.
- Advanced technology designed and tested specifically for New Zealand climate conditions.
- Safe double barrier heat exchange system complying with N.Z. Standard AS/NZS 2712
- Pay back period for EXCEED heat pump water heater may be only 5 years for some families.
- Two year parts and labour warranty.



Energy Conservation Creates Wealth



Comparison of water heater energy costs based on 4000 units of energy per year. Gas cost includes the supply charge.

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Environmentally Friendly

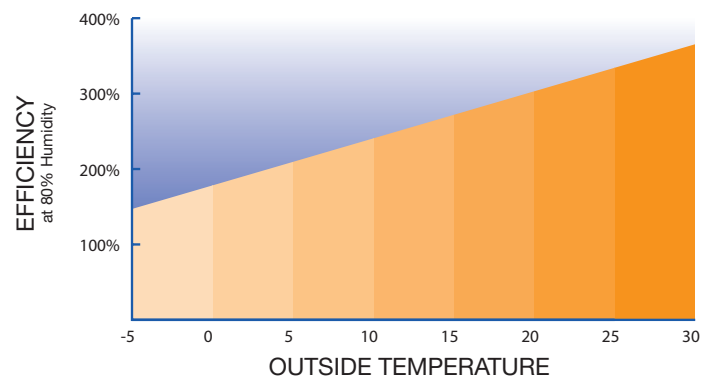
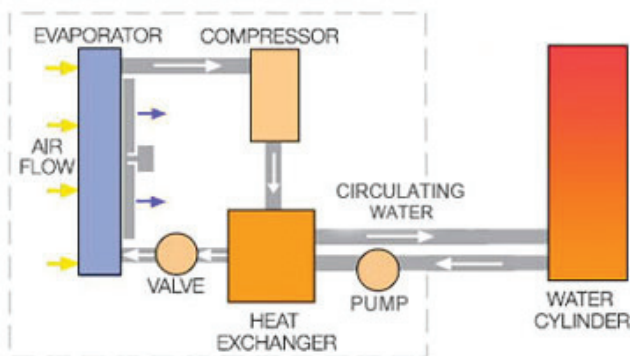
Heat Pump Water Heating is a new technology and is regarded as being the fifth generation of water heating. It surpasses coal, electric, gas and solar water heating. This gives energy savings and protection for our environment, whilst providing stable performance. EXCEED Heat Pump Water Heaters are built to comply with Australian and New Zealand standards and are independently tested by an internationally recognized testing laboratory.

How the EXCEED Heat Pump Water Heater Works

The working principle of a Heat Pump is similar to how your standard refrigerator or freezer works but in reverse. In behind your refrigerator at home the air is warmer than your room temperature. This heat has been drawn out of the fridge and freezer cabinets by a heat exchange process.

EXCEED Heat Pump Water Heaters extract warmth from the ambient air surrounding them. Air is drawn by a fan over an evaporator coil and the warmth in the air is transferred to the liquid refrigerant running through it. The compressor unit multiplies this heat energy in the refrigerant by compressing it into a high pressure gas. This hot gas expels its energy into a double barrier heat exchange unit which makes it hot. A small pump inside the heat pump water heater cabinet circulates water from your water cylinder through the heat exchanger unit. As the water circulates it absorbs the heat from the heat exchange unit, raising its temperature until the required water cylinder temperature is reached.

This method of heating water is very safe as there are two physical barriers between the refrigerant and the water in the cylinder. There is no path for the refrigerant to mix with the water in the cylinder. EXCEED Heat Pump Water Heaters are compact units, designed for easy installation by your local plumber and electrician. There is no need for specialist technicians.



Specifications

EXCEED model RSJF-65/CN1-A

1.95kw compressor unit	Operating noise 52 db
Electronic temperature controller	Max. Current 12.5amps
Ozone friendly R410A refrigerant	Auto. defrost function
Double barrier heat exchanger	Heating capacity 6.5kw
85cm wide, 94cm high, and 31cm deep	Weight 81kg

Note: Specifications may change due to continual product improvement.