



Residential Swimming Pool and Spa Heating



PERFORMANCE
PLUS HEAT PUMP
WATER HEATERS
HAVE AN AVERAGE
EFFICIENCY OF

500%

Now that is efficient!

economical

Thinking about a new pool or spa or wanting to heat your existing one? Talk to your local pool supplier about Hot Water Heat Pumps Ltd.

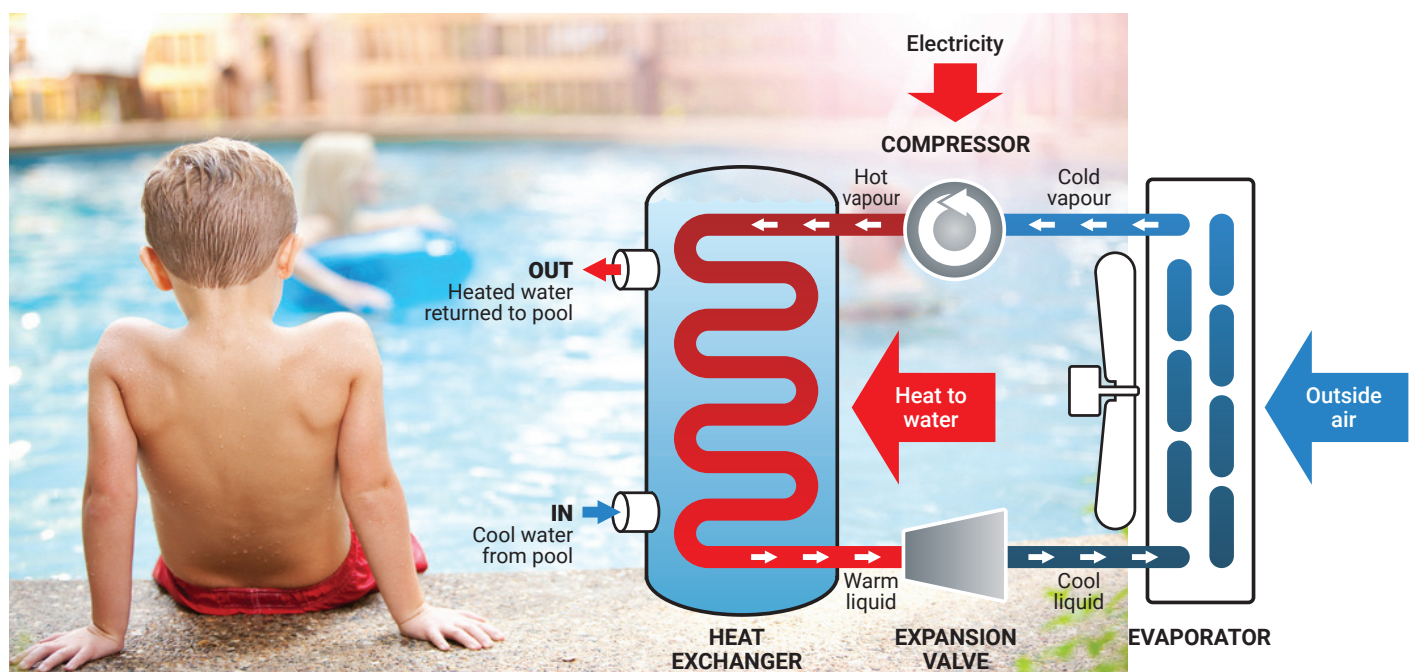
With over 40 years of experience, this Kiwi-owned company is recognised worldwide for its **innovation, quality, and reliability**. Engineered and built in New Zealand from both local and imported components, Hot Water Heat Pumps Ltd offers a full range of **Performance Plus products** designed to suit pools and spas of any size. Your local authorised dealer can recommend a system tailored to your needs and specifications.



How does a Performance Plus Heat Pump Water Heater Work?

Powered by electricity, a Performance Plus heat pump works much like a fridge in reverse—**capturing free heat from the air and transferring it efficiently into your water**. This makes hot water heat pumps one of the most energy-efficient and cost-effective heating options available.

In fact, the **Energy Efficiency and Conservation Authority (EECA)** recognises heat pumps as among the most efficient forms of heating in New Zealand.



Experience the best in heat pump water heater technology.



efficient

Average Weekly Pool Heating Costs

P PERFORMANCE **PLUS**

HEAT PUMP \$31

DIESEL \$70

NATURAL GAS \$83

ELECTRIC ELEMENT \$139

Comparison over seven months based on the following tariffs

Electricity: 27.8c /kWhr
Natural Gas: 14c /kWhr
Diesel: \$1.84 /Litre

Note: Tariffs vary in different areas. All costings include GST and are in NZD

Test completed in Auckland, NZ with a pool surface areas of 40m²

Operation & Efficiency

The **Performance Plus heat pump** maintains pools at 26-30°C and spas up to 40°C, operating reliably in ambient temperatures from -10°C to 45°C. When conditions drop below 6°C, its electronic de-ice controller automatically prevent ice build-up on the evaporator coils, ensuring maximum heating performance even through winter.



Low Running Costs

With exceptional efficiency, **Performance Plus heat pumps** deliver around 10kW of heat for just 2kW of electricity. While upfront cost may be higher than other heating systems, the long-term savings are far greater—making them one of the most economical heating solutions available. The graph above shows how much you can save compared to alternative heat sources.



Clean & Green

Harnessing renewable energy from the air, **Performance Plus heat pumps** are a safer, cleaner alternative to fossil fuel burners—reducing CO₂ emissions by up to 70% compared with gas or diesel. Built with certified ozone-safe refrigerants and a long product life expectancy, they're the natural choice for a more sustainable future and a cleaner, greener planet for generations to come.





reliable

Safety First

Every **Performance Plus heat pump** is equipped with advanced protection systems designed to safeguard both the unit and its users. In swimming pool models, built-in flow switches prevent operation without proper water flow, while automatic shutdown features stop the system immediately if a fault is detected. This ensures reliable performance and peace of mind, season after season.



Superior Construction

Built to perform year-round in New Zealand's toughest conditions, **Performance Plus heat pumps** are engineered for strength and durability. Each unit features heavy-gauge galvanised steel cabinetry with a polyester powder coat finish for outstanding corrosion resistance. Epoxy-coated aluminium fins provide extra protection in coastal environments, while rifled copper tubes maximise heat transfer efficiency.



At the heart of every unit is our in-house selected titanium tube heat exchanger, offering superior corrosion resistance and long-lasting reliability. Carefully matched by our qualified technicians to the Performance Plus range, these heat exchangers ensure optimum performance and the lowest possible running costs.

Performance Plus Features

- Built in drain tray
- Water flow switch
- Titanium tube heat exchangers
- Ozone friendly refrigerants
- Epoxy coated corrosion resistant evaporator coils
- Built in refrigeration safety switches
- Electronic reverse cycle de-ice control
- Easy to operate electronic controller with digital display
- TX valve for more efficient low ambient operation
- Compressor(s) have built in internal and external overload

Performance Plus Benefits

- Easy to install and operate
- Low operating costs and high efficiency
- Ozone friendly refrigerants
- Environmentally friendly
- Durability and long life expectancy
- 35 different models from 7kW to 280kW output
- Automatically maintains any set temperature in all weather



stylish

Back Up & Service

When you install a **Performance Plus heat pump** water heater you can be assured of unprecedented after-sales service. You get free telephone and email support on all Performance Plus products, for the life of the product, even if you're outside of the warranty period. With periodic maintenance, your Performance Plus heat pump will provide you with a lifetime of efficient pool heating.



Warranty

All Performance Plus models carry a comprehensive two year labour warranty and a three year parts warranty which includes the compressor, evaporator coil, heat exchanger and refrigeration systems. The titanium tube within the heat exchanger is covered against corrosion for 30 years.



DuoHeat Heat Pump Water Heaters

The DuoHeat range of dual-purpose heat pump water heaters eliminate the need to invest in two separate heat pumps. DuoHeat heat pump water heaters are ideal for heating both your swimming pool and spa pool, reducing unit redundancies and minimising the overall footprint of your equipment.



DuoHeat hot water heat pump water heaters can be used for the following dual purpose configurations:

- Swimming and spa pool
- Swimming pool and domestic hot water
- Swimming pool and underfloor
- Underfloor and domestic hot water



Key benefits of DuoHeat heat pump water heaters

DuoHeat heat pump water heaters offer the same advantages of Performance Plus heat pump water heaters with the addition of:

- Eliminating the need for investing in two or three separate heat pump water heaters
- Providing a smaller overall footprint
- Reducing equipment redundancies
- Lower capital investment over two separate units

SWIMMING POOL ONLY					POOL / SPA DUAL PURPOSE			
Model	kW in	kW out* ¹	Residential Surface Area* ² (m ²)		Model	kW in	kW out	kW out
			Coastal North Island	South / Central North Island			Pool	Spa
SINGLE PHASE MODELS								
8GP15-1	2.8	15	65	60	8GP15S10-1	2.8	15	10
8GP18-1	3.4	18	65	60	8GP18S12-1	3.4	18	12
8GP24i-1	4.8	24	110	95				
THREE PHASE MODELS								
8GP18-3	3.4	18	80	70	8GP18S12-3	3.4	18	12
8GP24i-3	5.0	24	120	105				
8GP33i-3	6.4	33	150	125				
8GP36-3	7.0	36	180	150				
8GP50-3	10.0	50	225	200				
8GP55i-3	10.0	50	225	200				
8GP65-3	12.0	65	270	250				

Contact Hot Water Heat Pumps Ltd for sizing of larger pools.

Chart is based on extended season; New Zealand mid-October to mid-April. Contact your local authorised dealer if you do not have a standard pool or your pool has features that contribute to heat loss.

*¹ kW output values are nominal rating based on 18°C wet bulb and 28°C water temperature.

*² Residential; standard in ground pool, covered when not in use (up to 4 hours/day uncovered).

Disclaimer: This information is strictly to be used as a guideline only. For a specific load calculation, where ground water, wet edges, water features, exposed concrete surfaces, high water temperatures, no covers, or other unusual characteristics; please contact Hot Water Heat Pumps Ltd or the local authorised dealer.

Authorised Dealer:



Phone: 09 838 9444

NZ Toll Free: 0800 336 633

Email: info@waterheating.co.nz

Postal Address: PO Box 21 586, Henderson, Auckland

Physical Address: 3 Corban Avenue, Henderson, Auckland

www.waterheating.co.nz



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