



Commercial Heat Pump Water Heating *Solutions*

- Swimming pool and spa heating
- Pool enclosure ventilation + heat recovery
- Commercial hot water
- Underfloor heating



 **HOT WATER HEAT PUMPS LTD**

Advancing Water Heat Pump Technology

SINCE 1980

www.waterheating.co.nz



reliable

If you're thinking about your hot water requirements for a new or existing commercial installation, then talk to Hot Water Heat Pumps Ltd today.

With over 30 years of experience, Hot Water Heat Pumps Ltd is recognised internationally for its innovation, quality, technology and reliability. Engineered and built in New Zealand - using local and imported parts - we can build bespoke heat pump water heaters for your commercial project. Our products use the very latest in technology; they are reliable, and extremely cost-efficient.



Why choose a heat pump water heater from Hot Water Heat Pumps Ltd?

SUPERIOR CONSTRUCTION

Hot Water Heat Pumps Ltd's heat pump water heaters are designed and engineered to perform all year round, even in New Zealand's harshest environments. Heavy gauge galvanised steel cabinetry with a polyester powder coat finish provides superior corrosion resistance. The aluminium fins are epoxy coated providing extra protection in coastal areas where the air is salt-laden. The coil fins are on rifled copper tubes for even better heat transfer.

All of our heat pump water heaters are fitted with our titanium tube heat exchangers, with the titanium tubes providing superior resistance against corrosion. The heat exchangers are selected in-house by our qualified technicians, to match with the correct specifications for our range of heat pump water heaters. This is essential, as undersized heat exchangers reduce the heat pump performance and increase running costs.



LOW RUNNING COSTS

Due to their high energy efficiency, our heat pump water heaters have an extremely low cost of operation. Typically, using swimming pools as an example, for every 2kW of electric input, you receive 10kW worth of heat. While the initial investment in a heat pump may be larger than some alternative heating solutions, the long term savings on energy use are far greater. Because our units are robust and built to last, they offer a fantastic return on investment.

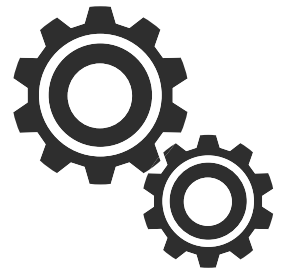




flexible

CUSTOM-DESIGNED AND BUILT

With a staff of twenty based at our factory in Auckland, we produce over 600 heat pumps a year, across over 112 different models with the highest standard of service and after-sales support. The difference between Hot Water Heat Pumps Ltd and our competitors is that we custom-design and manufacture to *your* specifications. Our engineers have the capabilities to add-value to clients at the planning stages by looking at the heating requirements for the entire facility.



All units and equipment are engineered and built in New Zealand using the world's best components. Hot Water Heat Pumps Ltd can provide heat pump solutions for use across a number of applications. One single heat pump can be used across multiple-use commercial scenarios, such as swimming pool, spa pool, hot water and underfloor heating.

INTRODUCING 'MONOLITH'

The Hot Water Heat Pumps Ltd team has engineered and manufactured a 5.5m x 2.2m unit with twin tandem compressors and 330kW of capacity - 'Monolith'. Designed for commercial or industrial use, the equipment includes two machines, one which is a stand-alone construction and the other a modular two-piece structure. It includes an extra-large coil for good low ambient performance, meaning that if one of the tandem compressors is switched off for load control, the capacity will reduce, but the performance will increase.

MONOLITH
SIZE MATTERS

TELL US ABOUT YOUR SPECIFIC HOT WATER HEATING NEEDS

Our highly experienced team of hot water heating experts are only too happy to give you some obligation-free advice about which overall solution will best match your hot water heating needs.



0800 336 633

Energy efficient, eco-friendly commercial water heating solutions.

versatile

PERFORMANCE PLUS HEAT PUMP WATER HEATERS

Introducing our range of Performance Plus heat pump water heaters. Our standard models are purpose-built for various commercial applications.

Performance Plus features include:

- Quiet running
- 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) with built in internal and external overload

Commercial applications include:

SWIMMING AND SPA POOL HEATING

A Performance Plus heat pump water heater will ensure a constant set pool and spa temperature every time. With over 35 units to choose from, we have a model to suit your commercial requirements.

UNDERFLOOR HEATING

Performance Plus heat pump water heaters are designed to integrate with hydronic underfloor heating systems. With over 28 standard models, Hot Water Heat Pumps Ltd has the solution to meet your commercial underfloor heating needs.

COMMERCIAL HOT WATER HEATING

We have 17 models in our range of hot water heat pumps for commercial hot water heating.



PERFORMANCE PLUS



functional

DUOHEAT HEAT PUMP WATER HEATERS

The Duoheat range of dual-purpose heat pump water heaters eliminates the need to invest in two separate heat pumps and can be used across multiple applications including: pool heating, underfloor heating and/or commercial hot water needs. This reduces unit redundancies and minimises the overall footprint of your equipment.



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

Duoheat configurations

Duoheat 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 commercial hot water
- Indoor pool heating and air heating



HIGHLY VERSATILE, HIGH STRENGTH HOT WATER CYLINDERS

Designed to integrate with our heat pump water heaters, DSS Thermoheat hot water cylinders have been developed as a multiple use unit for use with solar, wetback and electric heating, while being able to operate at mains pressure. Cylinders feature a galvanised sheet metal outer with duplex stainless insert for an extended life. There are a range of sizes up to 4,000 litres.



INDOOR HEAT RECOVERY AND VENTILATION SYSTEMS

Hot Water Heat Pumps Ltd provides indoor pool ventilation and heat recovery systems for retirement villages, hotels, and large commercial indoor swimming pools. Our energy efficient Vent-Air systems monitor the indoor temperature to keep condensation and moisture under control at all times. Talk to one of our sales team about creating a pleasant environment for pool users.



BACK UP AND SERVICE

When you install any heat pump water heater system, you can be assured of unprecedented after-sales service. We provide free telephone and email support on all products, for the life of the product, even if you're outside of the warranty period. With periodic maintenance, your Hot Water Heat Pumps Ltd product will provide you with a lifetime of efficient hot water heating.



WARRANTY

All of our heat pump water heater models carry a comprehensive two year parts and labour warranty, including the compressor, evaporator coil, heat exchanger and refrigeration systems. The titanium tube within the heat exchanger is covered against corrosion for 10 years.



SAFETY FIRST

All of our hot water heat pumps are fitted with protection systems to prevent damage in the event of a malfunction. These include refrigeration safety switches; high and low pressure. In the case of our swimming pool and domestic heat pumps, our flow switches ensure the heat pump cannot operate without water flow. If a problem is identified, the unit automatically shuts down before damage can occur. Optional drain tray heaters are added for under floor heat pumps for places like Wanaka. Electronic reverse cycle de-ice control is a standard feature on all Performance Plus heat pumps.



ENERGY EFFICIENT

Heat pump water heaters are incredibly energy efficient compared to other forms of heating. Government agency EECA (Energy Efficiency Conservation Authority) has listed heat pumps as one of the most energy efficient forms of heating in New Zealand.



CLEAN AND GREEN

As heat pumps use renewable energy (air), they are safer and cleaner to run than fossil fuel burners and can lower CO2 emissions by up to 70% (compared to gas and diesel burners). With a long product life expectancy and with today's use of certified ozone safe refrigerants, heat pumps are the natural choice for making our planet a cleaner, greener environment for future generations.



Contact Hot Water Heat Pumps Ltd today to discuss your specific commercial heat pump water heating requirements.

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