



ThermoPlus THP45-3 ThermoPlus Pool & Spa Heat Pumps

ThermoPlus Pool Heat Pumps are extremely cost efficient. ThermoPlus Heat Pumps offer an excellent cost to quality ratio. You will enjoy your heated spa or pool with significant energy savings for years to come.

THERMOPLUS FEATURES

- Flow switch activation
- Quiet operation
- Vertical discharge fan, makes placement easy
- Highly efficient titanium heat exchanger
- Digital display thermostat
- Rubber feet

STAINLESS STEEL CABINET

Heavy gauge marine grade stainless steel cabinets with a polyester powder coat ensures a tough corrosion resistant construction that is suitable for harsh conditions in Australia and New Zealand.

TEMPERATURE CONTROL

Temperature control is by our specially designed electronic temperature controller which measures 0.1°C temperature rise in the pool reliably when the heat pump is on.

- Accurate temperature control to 0.1°C
- User friendly operation
- Quick and easy temperature adjustment
- Constant display of water temperature when filtering



Experience the best in heat pump
water heater technology



Technical Specifications

Power input (kW)	8.7
Heating capacity* (kW)	45
Running current (Amps/Phase)	15.6
Power Supply	3 Phase + N & E
Circuit Breaker - 3 Pole D Curve	25 amps
Heat exchanger type	Spiral titanium coil in injection PVC shell
Compressor type	Scroll
Noise level dB(A)	60
Air discharge	Vertical
Refrigerant	R32
Dimensions LxWxH - mm	1450 x 730 x 1260
Weight - kg	260

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

Why buy from Hot Water Heat Pumps Ltd

Back up and service: 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's product will provide you with a lifetime of efficient hot water heating.

Warranty: All of our commercial heat pump pool heater models carry a comprehensive two year parts and labour warranty, including the compressor, evaporator coils, heat exchanger and refrigeration systems. The titanium tube within the heat exchanger is covered against corrosion for 5 years.



SWIMMING POOL SIZING CHART EXTENDED SEASON*

Coastal North Island*	Central North Island/ South Island*
Commercial ² Surface Area (m ²)	Commercial ² Surface Area (m ²)
100	85

* Extended season, New Zealand, mid-October to mid-April.
² Commercial – pool covered when not in use (up to 12 hours/day uncovered).

Safety first: Our heat pump water heaters are fitted with protection systems to prevent damage in the event of a malfunction. Such as a flow switch to ensure the heat pump cannot operate without water flow and other refrigeration safeties. If a problem is identified, the unit automatically shuts down before damage can occur.

Energy efficient: 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).

INSTALLATION INSTRUCTIONS

