

THERMOPLUS

Pool & Spa Heat Pumps

The ThermoPlus range of heat pump water heaters are designed specifically for swimming and spa pool heating to provide excellent value for money. You will enjoy a consistently heated pool with significant energy savings for many years to come with all of our ThermoPlus products.

Features of ThermoPlus heat pumps:

- Flow switch activation
- Side discharge fan, for easy installation
- Highly efficient titanium heat exchanger
- UV stabilized ABS housing on a stainless steel base
- Digital display thermostat
- Quiet operation



ThermoPlus heat pumps are the ideal economical solution for pool heating. High efficiency and quality components give "ThermoPlus heat pumps an excellent cost to quality ratio.



 **HOT WATER HEAT PUMPS LTD**

Advancing Water Heat Pump Technology

SINCE 1980

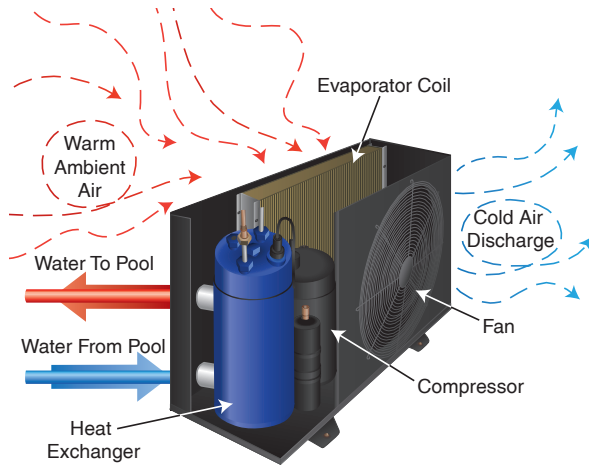
ABS (Acrylonitrile - Butadiene - Styrene) Plastic Cabinets

ABS plastic cabinets provide a balanced combination of mechanical toughness, wide temperature tolerance, good dimensional stability, chemical resistance and electrical insulating properties. Therefore, the cabinets will not rust like many of the imported units with metal cabinets, when installed in New Zealand's harsh environment.

Temperature Control

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

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



How a Heat Pump Saves Energy

ThermoPlus pool heat pumps use electricity to operate the refrigeration system. "Free heat" is extracted from the ambient air, upgraded with a compressor to make it hotter and then pumped to the water. These pool heating heat pumps are very cost effective for heating swimming or spa pools even in the colder months of the season. The electrical input is not to generate heat but to move the "free heat" to the water. Due to their high efficiency ThermoPlus heat pumps have a low cost of operation when compared to gas or diesel burners and electric elements. Typically, for every 2 kW of electric input you receive between 6 to 10kW worth of heat. That is a HUGE SAVING on the running cost.

Model	THP5-1	THP7-1	THP9-1	THP12-1	THP14-1	THP17-1	THP21-1	THP26-3	
Power Input (kW)	1.1	1.4	1.8	2.15	2.7	3.3	4.3	4.9	
Heating Capacity (kW)	5	7	9.5	12	14	17	21	26	
Nominal Run Current (Amps)	4.9	5.8	7.8	9.8	12.3	14.9	16.7	7.9	
Power Supply	Single phase							3 Phase + N & E	
D curve circuit breaker (Amps)	16	16	16	25	25	25	32	25	
Heat Exchanger Type	Spiral titanium coil in injection PVC shell								
Compressor Type	Rotary					Scroll			
Noise Level (dBA)	50	53	54	56	56	56	56	57	
Air Discharge	Horizontal								
Refrigerant	R-410A								
Dimension (mm - LxWxH)	780x295x515	940x360x585	1015x370x620	1015x370x625	1080x415x710	1080x415x710	1080x415x960	1080x415x1260	
Weight (kg)	42	53	60	64	75	105	105	140	

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PERFORMANCE PLUS **VENT-AIR**
duoheat **Ecomergy** **THERMO PLUS**
The smarter way to heat water
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