

# THERMOPLUS

## *Pool & Spa Heat Pumps*



### Features of "ThermoPlus" Pool Heat Pumps

- Flow switch activation
- Quiet operation
- Side discharge fan, makes Installation easy
- Highly efficient titanium heat exchanger
- Digital display thermostat
- ABS Housing
- Stainless Steel frame and fan guard

### "ThermoPlus" Pool Heat Pumps with Titanium Heat Exchanger & ABS Housing

"ThermoPlus" Pool heat pumps are the ideal economical and components give "ThermoPlus" heat pumps an excellent cost to quality ratio. You will enjoy your heated pool with significant energy savings for years to come.



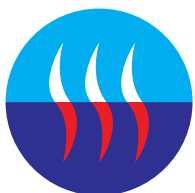
### ABS (Acrylonitrile - Butadiene - Styrene) Plastic Cabinets

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 Australia's harsh climates.

### 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
- Diagnostic Digital Display
- User friendly operation
- Quick and easy temperature adjustment
- Constant display of water temperature when filtering



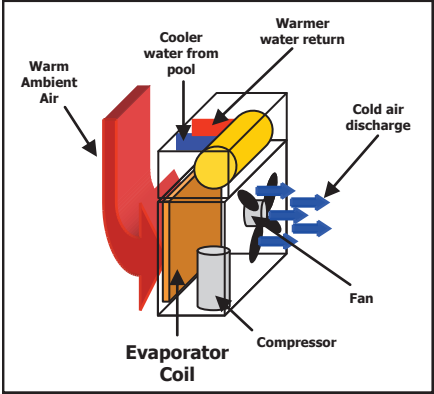
[www.hotwaterheatpumps.com.au](http://www.hotwaterheatpumps.com.au)

**HOT WATER HEAT PUMPS**  
AU PTY LTD



How A Heat Pump Works

“ThermoPlus” Pool Heat Pumps use electricity to operate the refrigeration system. The free heat is extracted from the ambient air, upgraded with a compressor, and then pumped to the water. Therefore, it is very cost effective to heat the swimming or spa pools even in the colder months of the year, as the electrical input is not to generate heat but just to move the free heat to the water. Due to their high efficiency, “ThermoPlus” heat pumps have a low cost of operation comparing to gas, or electric elements.



Model	THP-5-1	THP-9-1	THP-12-1	THP-14-1	THP-17-1	THP-21-1	THP-21-3	THP-26-3	THP-31-3
Power input (kW)	1.1	1.7	2.15	2.7	3.3	4.0	4.0	5.1	5.6
*Heating capacity (kW)	5	9	12	14	17	21	21	26	31
Nominal Run Current (Amps)	5.1	7.8	9.8	11.05	14.8	16.7	6.5	7.9 per Phase	8.4
Power Supply	Single Phase						3-Phase	3-Phase	3-Phase
Heat Exchanger Type	Spiral Titanium Coil in Injection PVC Shell								
Compressor Type	Rotary				Scroll				
Noise level (dBA)	50	54	56	56	56	56	56	57	58
Air Discharge	Horizontal								
Refrigerant	R-410A								
Dimension (mm)	780 x 295 x 515	1015 x 370 x 625	1015 x 370 x 625	1080 x 415 x 710	1080 x 415 x 710	1080 x 415 x 960	1080 x 415 x 960	1080 x 420 x 1260	1080 x 420 x 1260
Weight (kg)	42	60	64	75	85	105	105	140	145
Notes: *Nominal Heating Capacity based on 18°C wet bulb and 28°C water temperature									

Due to their high efficiencies “ThermoPlus” Pool heat pumps have a low cost of operation. Typically, for every 2 kW of electric input, you receive 6 to 12 kW worth of heat. That is a HUGE SAVING on the running cost.

