



# 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.

## THERMOPLUS FEATURES

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

## 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 operation
- Quick and easy temperature adjustment
- Constant display of water temperature



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.

Experience the best in heat pump  
water heater technology

 **THERMOPLUS**

 **HOT WATER HEAT PUMPS LTD**

Advancing Water Heat Pump Technology

SINCE 1980

# Technical Specifications\*

Model	THP5-1	THP7-1	THP9-1	THP12-1	THP14-1	THP17-1	THP26-3	
Power Input (kW)	1.1	1.4	1.8	2.15	2.7	3.3	4.9	
Heating Capacity (kW)	5	7	9.5	12	14	17	26	
COP	4.5	5	5.3	5.6	5.2	5.2	5.3	
Nominal Run Current (Amps)	4.9	5.8	7.8	9.8	12.3	14.9	7.9	
Power Supply	Single Phase						3 Phase + N & E	
D Curve Circuit Breaker (Amps)	16	16	16	25	25	25	20	
Heat Exchanger Type	Spiral titanium coil in injection PVC shell							
Compressor Type	Rotary					Scroll		
Noise Level (dBA)	50	53	54	56	56	56	57	
Air Discharge	Horizontal							
Refrigerant	R-32							
Dimension (mm – LxWxH)	790x295x515	940x360x585	1015x370x620	1015x370x625	1080x415x710	1080x415x710	1080x415x1260	
Weight (kg)	42	53	60	64	75	105	140	

Inverter Model**	THP12i-1	THP17i-1	THP23i-1
<b>Heating Performance Condition: Air 27°C, Water 27°C</b>			
Heating Capacity (kW)	3.1 – 12.5	3.81 – 17.05	5.9 – 23.5
COP	5.6 – 13.5	5.8 – 12.3	6.0 – 12.1
<b>Heating Performance Condition: Air 15°C, Water 26°C</b>			
Heating Capacity (kW)	2.3 – 9.5	3.11 – 12.43	4.3 – 17.1
COP	4.6 – 7.0	4.4 – 6.6	4.4 – 6.5
Operating Air Temperature °C	-15°C – 43°C		
Power Supply (V/Hz)	220-240V/1PH/50HZ		
Circuit Breaker (Amps)***	20	25	32
Nominal Heating Capacity (kW)	10	15.5	21
Nominal Rated Input Power (kW)	2.2	3.1	3.9
Nominal Rated Input Current (A)	10.5	17.5	17.8
Max Heating Current (A)	13.6	13.6	23.2
Water Flow Rate (m3/h)	5.4	7.3	9
Water Connection (mm)	40mm		
Sound Level at 1m (dBA)	41 – 52	44 – 54	45 – 56
Refrigerant	R-32		
Net Dimension (mm – LxWxH)	1045x370x625	1110x416x711	1110x446x958

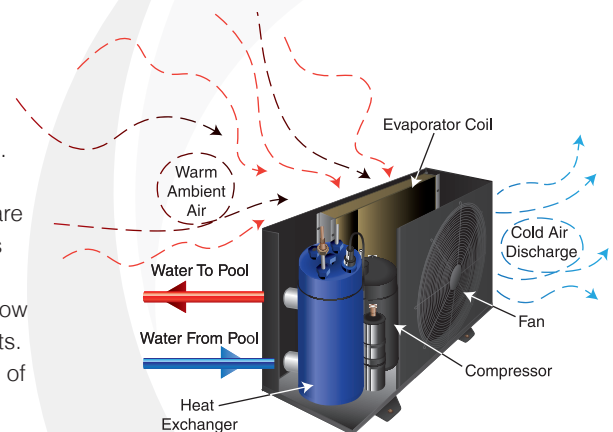
\* The specifications are subject to changes without notice.

\*\* Inverters have 1°C temperature increments.

\*\*\* Suggested circuit breaker to be specified by the Electrician as per AS/NZS 3000.

## 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 10 kW worth of heat. That is a HUGE SAVING on the running cost.



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