

THERMOPLUS

Commercial Heat Pumps

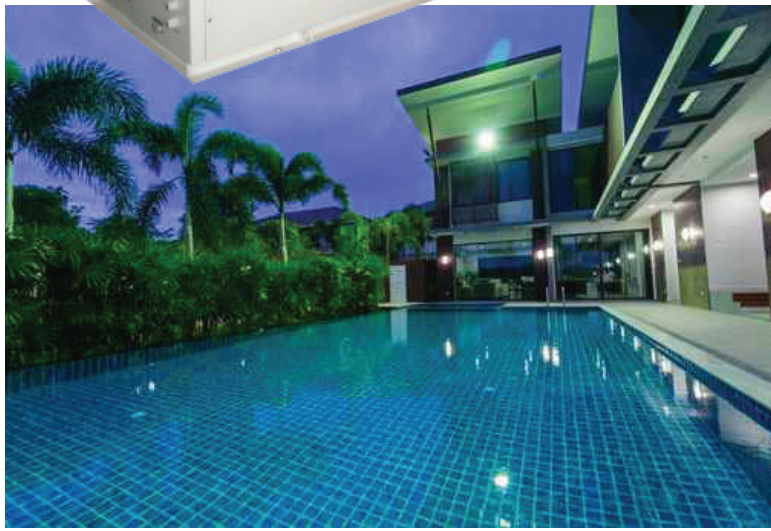


Features of "ThermoPlus" Pool Heat Pumps

- Flow switch activation
- Quiet operation
- Top discharge fan, makes Installation easy
- Highly efficient titanium heat exchanger
- Digital display thermostat
- Stainless Steel powder coated cabinets

"ThermoPlus" Pool Heat Pumps with Titanium Heat Exchanger & Stainless Steel Cabinets

"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.



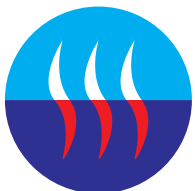
Stainless Steel Cabinets

Stainless steel powder coated cabinets provide a balanced combination of mechanical toughness, wide temperature tolerance, good dimensional stability, chemical resistance. Therefore, the cabinets will not rust, like many of the imported units with metal cabinets when installed in Australia's harsh climates.

Temperature control

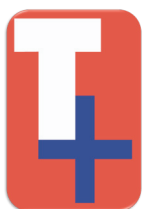
Temperature control is by our specially designed electronic temperature controller which measures 0.1°C temperature rise in the pool reliably when the heat pump is on.

- 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



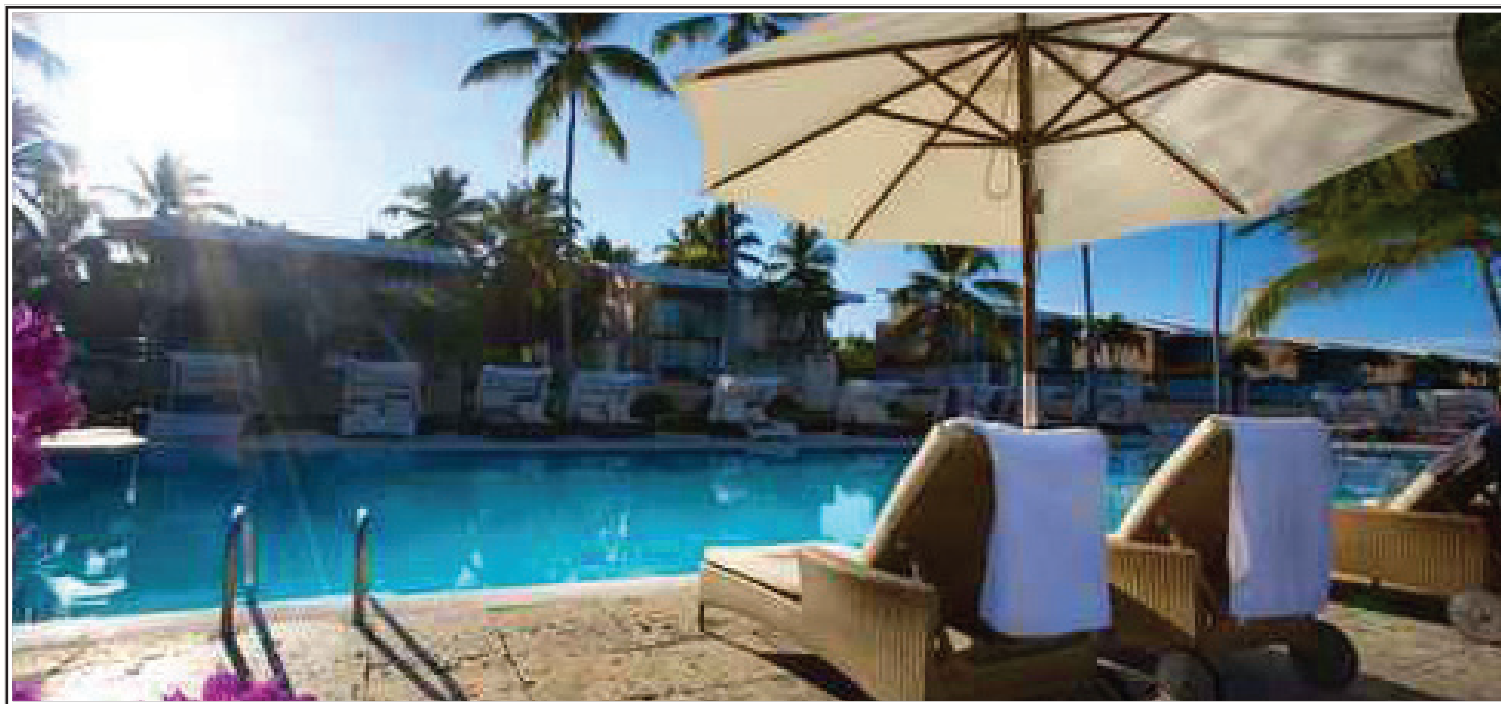
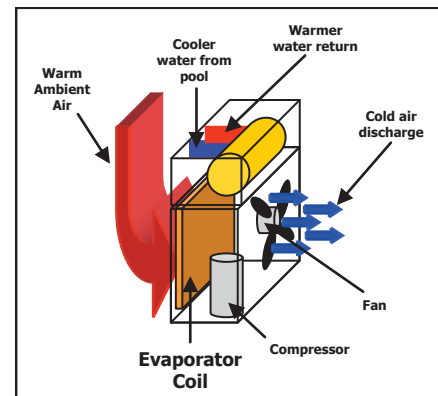
www.hotwaterheatpumps.com.au

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-45-3	THP-55-3	THP-90-3	THP-135-3
Power input (kW)	8.7	10.4	16.7	24.5
*Heating capacity (kW)	45	55	90	135
Nominal Run Current (Amps)	14.2 per Phase	15.6 per Phase	29.0 per Phase	40.0 per Phase
Power Supply	3 Phase			
Heat Exchanger Type	Spiral Titanium Coil in Injection PVC Shell			
Compressor Type	Copeland Scroll			
Quantity of Compressors	2	2	3	4
Noise level (dBA)	60	60	62	75
Water Connection	50mm	50mm	63mm	75mm
Air Discharge	Vertical			
Refrigerant	R-410A	R-410A	R-410A	R-410A
Unit Dimensions mm (L/W/H)	1448 / 730 / 1060	1448 / 730 / 1060	2150 / 760 / 1330	2000 / 900 / 1820
Weight (kg)	260	260	510	850
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.

Energy Cost Comparison

