

Hydro Royal[®]



Dive into Perfection[™]
Heat Pumps for the Perfect Pool.



Manufactured by Rome Industries
Distributed by Thermal Bay Technologies

Quality You Can See...

QUIET PERFORMANCE

Our new fan design improves air flow and reduces noise by more than 50%!

The polymeric structure and stainless steel fasteners will never rust or corrode.

The coated energy efficient evaporator features internally rifled tubing and an enhanced aluminum fin design. Our double row coils have maximum surface area, boosting efficiency and performance.

High strength plastic coil guard protects the unit from impact and adds to the appearance of the unit.

The unique four-inch pedestal base keeps the evaporator clean and out of harm's way.

A molded fan venturi that begins at the top of the evaporator. This allows maximum air flow over 100% of the coil surface, increasing efficiency even on the coldest of days.



SET IT AND FORGET IT!

Our products offer one-touch programming and the latest operating features available, including state of the art micro-computer controls:

- Push Button Operation
- Large LED Display
- Dual Pool/Spa Programmable Thermostat
- Displays Temperatures in Fahrenheit or Celsius
- Automatic Air Defrost
- Built-in Service Analyzers, with 11 Different Codes
- Built-in Compressor Anti-Short Cycle Timer
- Remote System Compatible

SCROLL PERFORMANCE

Our scroll compressors are designed for excellence in PERFORMANCE, SILENCE and ENDURANCE. Our SCROLL PERFORMANCE Compressors are the quietest and most reliable compressors in the industry.



Our Titanium Heat Exchanger features the latest advancement in heat transfer technology. Its enhanced tubing provides more surface area for a given length of tube and its unique twisted design creates a turbulent mixing action that results in very high heat transfer rate, giving you maximum performance and efficiency!

Titanium Advantages:

- Our Heat Pump manufacturer builds its own titanium Heat Exchangers. This gives us the highest level of confidence that the heat exchanger in your heat pump will last the life of the heater.
- Twisted tube gives 3 to 4 more times the surface area compared to standard round tube heat exchangers, which equals more BTU/hr heat transfer.
- Coaxial design allows pool water and refrigerant to flow in opposing directions, making it the most efficient titanium heat exchanger available.
- Tenacious surface oxide layer makes it impervious to harsh pool chemicals and PH an chlorine problems.
- Allows 100% water flow through the heat exchanger, no water is bypassed.
- Made with 100% commercially pure titanium.
- Backed by a Lifetime limited Warranty on the Heat Exchanger.



Our Heat Pumps can heat your pool for less than half the cost of natural gas, up to one fifth the cost of propane, and one sixth the price of electric resistance heaters.

Model	55	85	105	125	150
BTU:	55,000	85,000	105,000	125,000	142,000
C.O.P.	5.9	6.3	6.3	6.3	6.3
Dimensions:	28x28x26	39x30x32	39x30x32	39x30x32	39x30x32
Voltage	230/60/1	230/60/1	230/60/1	230/60/1	230/60/1
Breaker Req	20 Amp	30 Amp	40 Amp	50 Amp	50 Amp

Our Heat Pump offers dramatic savings in operating costs.*

Cost per 100,000 BTU Input:

Hydro Royal	\$.40
Natural Gas	\$ 1.00
Propane	\$ 1.60
Electric Resistance	\$ 2.40

*Average cost nationally