

ThermalFlo™

Heat Pump

By Pentair Water Pool and Spa®



Slash pool heating costs to pennies per day

With ThermalFlo™ heat pump, heat from the atmosphere is transferred to your pool or spa, providing the most energy efficient heating available. ThermalFlo is the latest and most technologically advanced heat pump from Pentair Water Pool and Spa®, the company that brings you energy-efficient heaters and heat pumps for every application.

- ThermalFlo can cost up to 80% less to operate, saving hundreds of dollars in energy costs each year.
- Easy-to-use digital controls for precise temperature control of your pool and spa.
- Clean and safe to operate—ETL listed. The only pool heat pump using EPA-recognized R-410A environmentally safe, clean, and non-ozone depleting refrigerant.
- Perfect companion for IntelliTouch® automation controls.

The result? Heating your pool is easier and more economical than ever before.

Compare the Cost

Fuel Type	Cost/Per	BTU/\$.01
Electric	\$.075/KWh	455
LP Gas	\$.99/Gal	653
Oil	\$.99/Gal	979
Natural Gas	\$.65/Therm	1077
ThermalFlo	\$.075/KWh	2093

This chart illustrates how a ThermalFlo Heat Pump generates 2 to 4.6 times more heat for the same cost. Costs are based on national average fuel costs and efficiencies. Please consult your local provider for current pricing.

ThermalFlo™ Heat Pump



Digital controls with dual thermostats offer precise temperature control for pool/spa combinations to avoid overheating or wasted energy

Self-diagnostic control panel monitors and troubleshoots heat pump operations to ensure safe, dependable operation

Long-life corrosion-resistant composite cabinet stands up to severe climates and pool chemicals

Coated evaporator coil prevents corrosion for longer service life

2-inch plumbing connections for easy installation



More standard features than any other heat pump

The newest version of ThermalFlo™ heat pump provides more standard features than any other heat pump on the market, including

- High-efficiency Trane® Climatuff®* compressor is the most dependable, durable and quietest available.
- 100% pure titanium heat exchanger assures corrosion-free performance for extra long life.
- New LCD control board displays an intuitive menu-driven readout with easy to follow full word messages—no more codes.
- New self-diagnostic software continuously monitors system for peak performance.
- Thermostatic Expansion Valve (TXV) controls refrigerant flow for optimum efficiency and BTU output over a wider operating range.
- AutoSet (time clock override) feature monitors water temperature and turns the water circulation pump on and off as needed to maintain desired pool temperatures.
- Automatic defrost feature senses refrigerant temperature and prevents ThermalFlo from freezing, allowing the heat pump to operate at even lower temperatures.
- ETL listed to ensure safe, dependable operation.
- Ten-year limited warranty. See warranty for details.

Automatic Heating/Cooling Feature!

Only ThermalFlo offers a model that automatically heats or cools your pool water based on temperatures you set. Select the AUTO mode and the intelligent thermostat will automatically heat or cool the water to your selected temperature. Available only on the 1200R H/C model.

Model Number	Description	BTUs/COP†	Breaker Size	Wire Size
460912	ThermalFlo HP 500	99,000/4.0	50 amp	8
460913	ThermalFlo HP 700	107,000/4.1	50 amp	8
460914	ThermalFlo HP 900	117,000/4.4	60 amp	6
460915	ThermalFlo HP 1200	125,000/4.2	60 amp	6
460922	ThermalFlo HP 1200R H/C	125,000 Heat/4.1 71,000 Cool	60 amp	6

Please consult your pool professional for the ThermalFlo model to meet your pool/spa requirements.

† BTU = British Thermal Unit, COP = Coefficient of Performance

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