

# ULTRATEMP®

## HIGH PERFORMANCE HEAT PUMP

Simply the most economical way to heat your pool and spa





# BEST IN CLASS PERFORMANCE AND EFFICIENCY. ENVIRONMENTALLY SUPERIOR. MORE STANDARD FEATURES THAN ANY OTHER.

With today's record energy costs, there's never been a better time to invest in a heat pump. Compared to gas, oil or electric heaters, UltraTemp® High Performance Heat Pumps use just a fraction of the energy to generate the same amount of heat. In fact, just 20¢ worth of electricity produces \$1.00 worth of heat generated by other methods. That means more comfortable water temperatures and longer swimming seasons for you and your family.

Why should you choose an UltraTemp heat pump? That's easy. It offers the longest list of standard features available.

- The UltraTemp heat pump provides an AutoSet™ Temperature Control feature as standard. It monitors water temperature and turns the pump on and off as needed, overriding the time clock to maintain desired temperature. It's the ultimate in convenient, hands-free comfort control.
- The UltraTemp heat pump features the legendary Emerson® Copeland Scroll® Compressor that's more efficient, durable, reliable and quieter than any piston-driven compressor. It's the best of the best.
- Pentair heat pumps have been using the EPA-recognized, environmentally safe, non-ozone depleting R-410A refrigerant for over 10 years. This has allowed the UltraTemp heat pump to be awarded the Eco Select® Brand for environmental responsibility.
- 100% titanium heat exchanger assures corrosion-free performance for extra long life and value.
- LCD control board displays an intuitive, menu-driven readout with easy to follow, full word messages—no codes to memorize.
- 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 temperature range.
- Automatic defrost feature senses refrigerant temperature and helps prevent the UltraTemp heat pump from freezing, allowing the unit to operate effectively at even lower temperatures than many competing products.
- Perfect companion to IntelliTouch® or EasyTouch® Control Systems—all heat pump instructions and displays can be transferred to a centralized control system that manages all your pool/spa operations and poolscape features.
- ETL listing is your assurance of safer, dependable operation.
- BTU and efficiency independently certified by the Air Conditioning, Heating, and Refrigeration Institute (AHRI). The AHRI Certified mark is applied only to HVACR equipment and components that have been independently tested to certify that manufacturers' performance claims are accurate.
- 10-year compressor parts and labor warranty and lifetime warranty on the titanium heat exchanger. See limited warranty for details.

Clearly, a heat pump is the best choice for pool heating. Also clear is the best-in-class performance and value of the fully-featured UltraTemp heat pump. Contact your pool professional today to learn which model is right for your pool.



The UltraTemp heat pump has earned the Eco Select brand, indicating it is one of our "greenest" and most efficient equipment choices.

# AUTOMATIC HEATING/COOLING FEATURE!

Pentair H/C model heat pumps are equipped to automatically heat or cool your pool water based on temperatures you set. Select the AUTO mode and the intelligent thermostat will automatically command the heat pump to heat or cool the water to your selected temperature

Note: Pentair is a member of the Air Conditioning, Heating and Refrigeration Institute (AHRI).

Digital controls with dual thermostats offer precise temperature control for pool/spa combinations and avoid overheating and energy waste

Self-diagnostic controls monitor and troubleshoot heat pump operations to ensure safer, dependable operation

Long-life, corrosion-resistant composite cabinet retains a like-new appearance for years

2" plumbing connections for easy installation



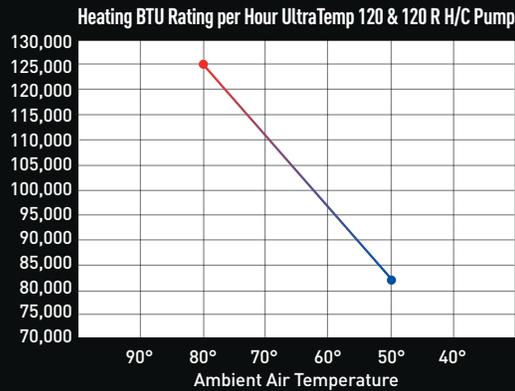
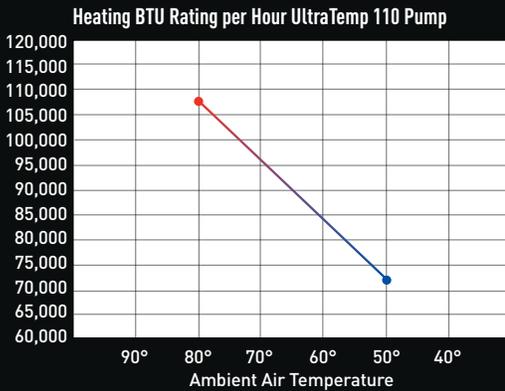
## COMPARING THE COST TO HEAT YOUR POOL AND SPA

HEATER/FUEL TYPE	EFFICIENCY	COST	BTU/\$1.00
ELECTRIC RESISTANCE HEAT	1	\$0.12/kWh	28,433
LP GAS	0.84	\$2.73/Gal	28,000
NO. 2 HEATING OIL	0.75	\$3.75/Gal	28,000
NATURAL GAS	0.84	\$1.13/Therm	74,336
ULTRATEMP HEAT PUMP	5.8	\$0.12/kWh	164,913

This chart illustrates how an UltraTemp heat pump generates 2.75 to 5.8 times more heat for the same cost. Costs are based on 2014 national average fuel costs and efficiencies (Source: Federal Register). Please consult your local provider for current pricing.

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## HIGH PERFORMANCE HEAT PUMP



### ORDERING INFORMATION

Model	Part #	80/80/80** BTU/COP	80/63/80** BTU/COP	50/63/80** BTU/COP	Freq (Hz)	Breaker Size (amp)	Phase	Wire Size	Volt	Carton Wt
<b>ULTRATEMP HEAT PUMPS</b>										
Color: Almond										
70	460930	75,000/5.8	70,000/5.6	50,000/4.0	60	40	1	10	230	230
90	460931	90,000/5.7	84,000/5.5	60,000/4.0	60	50	1	8	230	230
110	460932	108,000/6.0	101,000/5.8	72,000/4.0	60	50	1	8	230	270
120	460933	127,000/5.7	120,000/5.5	82,000/4.0	60	50	1	8	230	270
120 H/C	460935	127,000 Heat/5.6 71,000 Cool/4.1	120,000/5.4	82,000/4.0	60	50	1	8	230	278
120 C	460937	123,000/5.6	115,000/5.3	81,000/4.0	60	50	3	8	230	280
140	460934	143,000/5.8	134,000/5.6	88,000/4.0	60	50	1	8	230	320
140 H/C	460958	140,000 Heat/5.6 80,000 Cool/4.1	132,000/5.4	85,000/4.0	60	50	1	8	230	320
140C	460928	140,000/5.8	132,000/5.6	86,000/4.0	60	50	3	8	230	320
Color: Black										
70 BLK	460960	75,000/5.8	70,000/5.6	50,000/4.0	60	40	1	10	230	230
90 BLK	460961	90,000/5.7	84,000/5.5	60,000/4.0	60	50	1	8	230	230
110 BLK	460962	108,000/6.0	101,000/5.8	72,000/4.0	60	50	1	8	230	270
120 BLK	460963	127,000/5.7	120,000/5.5	82,000/4.0	60	50	1	8	230	270
120 H/C BLK	460965	127,000 Heat/5.6 71,000 Cool/4.1	120,000/5.4	82,000/4.0	60	50	1	8	230	278
120 C BLK	460967	123,000/5.6	115,000/5.3	81,000/4.0	60	50	3	8	230	280
140	460964	140,000/5.8	134,000/5.6	88,000/4.0	60	50	1	8	230	320
140 H/C	460959	140,000 Heat/5.6 80,000 Cool/4.1	132,000/5.4	85,000/4.0	60	50	1	8	230	320
140C	460929	140,000/5.8	132,000/5.6	86,000/4.0	60	50	3	8	230	320

\*\*Rating in accordance with ARI Standard 1160 (air temp. F° 1% relative humidity/water temp. F°)

AVAILABLE FROM:



1620 HAWKINS AVE, SANFORD, NC 27330 800.831.7133 WWW.PENTAIRPOOL.COM

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