



Unit Specifications

		SQ125	SQ145	SQ225	SQ120R	SQ166R
BTUs <small>(water temp/ambient air/ relative humidity)</small>	80/80/80	101,000	119,000	143,000	110,000	126,000
	80/80/63	95,000	112,000	134,000	103,000	120,000
	80/50/63	62,000	75,000	90,000	72,000	82,000
C.O.P. <small>Coefficient of Performance  (water temp/ambient air/ relative humidity)</small>	80/80/80	6.5	6.8	6.5	5.5	5.6
	80/80/63	6.1	6.4	6.1	5.3	5.3
	80/50/63	4.0	4.2	4.0	4.0	4.0
Refrigerant		R410A	R410A	R410A	R410A	R410A
Electrical  A - 208-230/60/1 B - 200-230/60/3 E - 380-415/60/3 G - 460/60/3	Heat or Heat & Cool	H	H	H	H & C	H & C
	kW Input	4.6	5.1	6.4	5.9	6.6
	Voltage/Hz/Phase	A	A, B & G	A, B, E & G	A & B	A, B, E & G
	Max. Fuse Size	A - 60	A - 60 B - 50 G - 20	A - 60 B - 50 E - 30 G - 25	A - 60 B - 50	A - 60 B - 50 E - 30 G - 25
	Min. Circuit Ampacity	A - 40.5	A - 42.1 B - 31.0 G - 14.2	A - 42.1 B - 33.3 E - 18.4 G - 16.2	A - 38.5 B - 31.0	A - 42.1 B - 33.3 E - 18.4 G - 16.2
Water Flow	Min./Max. (gpm)	30/70	30/70	30/70	30/70	30/70
A Heater Bypass Kit is required when flow rates exceed the maximum						
Physical	Weight (lbs)	268	328	328	268	328
	Length x Width x Height (in)	34" x 34" x 44"	34" x 34" x 44"	34" x 34" x 44"	34" x 34" x 44"	34" x 34" x 44"
Shipping	Weight (lbs)	329	390	390	329	390
	Length x Width x Height (in)	38" x 36" x 49"	38" x 36" x 49"	38" x 36" x 49"	38" x 36" x 49"	38" x 36" x 49"
Rated in accordance with AHRI standard 1160 water temp/ambient air/relative humidity Specifications subject to change						



Superior **EFFICIENCY**  
and **QUIETER** than  
any other heat pump  
on the market



AC-708 12\_17V3



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**AQUACAL**  
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MADE IN USA

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**HeatWave SuperQuiet®**



# MAXIMIZE THE ENJOYMENT OF YOUR SWIMMING POOL INVESTMENT

by heating your pool with an AquaCal® heat pump.

Free heat is taken from outside air and transferred to the pool water.

**A HEAT PUMP DOESN'T BURN ENERGY TO CREATE HEAT.**

It only uses a small amount of energy to transfer **FREE** heat from the air to the pool.



Heat a pool for about **25% of the cost** of heating it with gas



Heat pumps are green and have virtually no effect on your carbon footprint

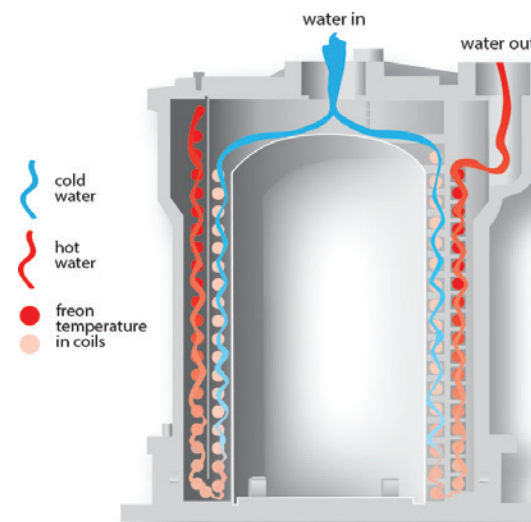


No other heat pump in its class is quieter

The only heat pump that allows you to maximize the potential savings of a variable speed pump is an AquaCal®, which utilizes our patented **ThermoLink®** technology with its unique flow characteristics.

- Patented hydraulic design adds only 1 PSI at 30 gpm, increasing compatibility with two-speed & variable speed pumps.
- Saves money when using a variable speed pump by reducing the RPM needed to achieve the same flow rate.
- Save money in a single speed pump application by reducing the run time needed to achieve the same turnover rate of the pool.

## How the **thermoLINK** Works



## ICEBREAKER® Heat & Cool Models

- Extends swimming season longer than any other heat pump on the market
- Continue to heat at freezing temperatures to minimize heat loss
- Cool your pool to a refreshing temperature
- Set to heat, cool or autotemp

## Corrosion Proof Cabinet

- Louvered side panels protect evaporator coil while ensuring efficient air flow
- Rust and fade proof
- Impact resistant
- Built-in drain pan provides condensate management

## AquaTop

- Air Flow Vectoring Top protects internal components from weather and debris while ensuring optimal air flow

## Microprocessor Controlled with Digital Display

- Flip-out control panel is out of sight, protected against sun and weather
- Lockable panel provides security from others changing the temperature
- Accurate and easy-to-read bright blue display
- On-board self diagnostics
- Microprocessor controlled defrost cycle

## ThermoLink® Titanium Heat Exchanger

- Patented counter-flow water management system
- Patented hydraulic design adds only 1 PSI at 30 gpm, increasing compatibility with two-speed & variable speed pumps
- Impervious to chemical corrosion
- Durability without sacrificing performance
- Lifetime warranty



AquaCal® has been producing quality heat pumps since 1981



Setting the standard for excellence in the industry for over 35 years



Over 275,000 happy customers worldwide

