



## Unit Specifications

		SQ125	SQ145	SQ225	SQ120R	SQ166R
<b>BTUs</b>	80/80/80	101,000	119,000	143,000	110,000	126,000
	(water temp/ambient air/ relative humidity) 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
<b>C.O.P.</b> Coefficient of Performance	80/80/80	6.5	6.8	6.5	5.5	5.6
	(water temp/ambient air/ relative humidity) 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
<b>Refrigerant</b>		R410A	R410A	R410A	R410A	R410A
<b>Electrical</b>	Heat or Heat & Cool	H	H	H	H & C	H & C
	kW Input	4.6	5.1	6.4	5.9	6.6
A - 208-230/60/1 B - 200-230/60/3 E - 380-415/60/3 G - 460/60/3	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

Over Temperature Alarm Kit available: part number STK0221 for single phase, STK0222 for three phase. Strongly recommended for all spa applications.

<b>Water Flow</b>	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						
<b>Physical</b>	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"
<b>Shipping</b>	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

Featuring new  
**SMART**  
controller



WWW.  
**AQUACAL**  
.COM



**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

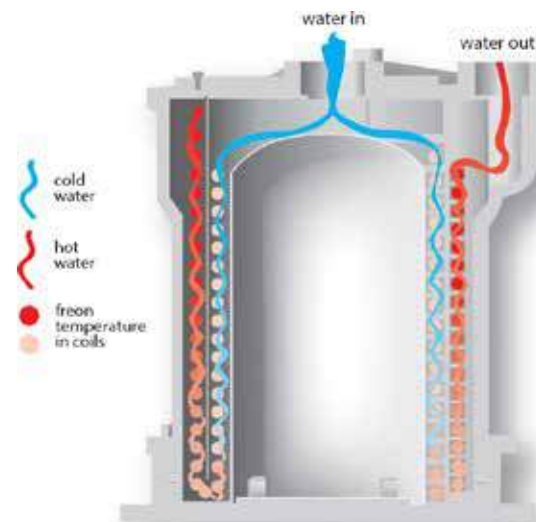


No other heat pump in its class is **quieter**

The only heat pump that allows you to maximize the potential savings of a variable speed pump is an AquaCal®. Our patented **ThermoLink®** Titanium Heat Exchanger's unique flow characteristics allow you to run the pump at lower RPMs, ultimately saving you money.

This patented hydraulic design adds only 2 PSI at 45 gpm, increasing compatibility with two-speed & variable speed pumps.

## How the **thermoLINK** works



Lifetime warranty on titanium tubing

## NEW Smart Microprocessor Control with Digital Display

- Flip-out, lockable control panel is **protected against sun and weather** and can be easily programmed to prevent others from tampering with settings
- Digital control panel with 24 character **full-text display** provides easy-to-read diagnostics and error reporting
- Ability to **connect to most external controllers** for heating and cooling mode
- **Hybrid functionality** can initiate a gas heater when an extra boost of heat is needed



## AquaTop

- Unique Air Flow Vectoring Top ensures optimal air flow for **maximum efficiency**
- **Protects internal components** such as the fan blade, fan motor, compressor and heat exchanger from direct rain and snow, extending their life
- World's **ONLY** integrated top that **prevents debris** like leaves and other vegetation from getting inside the heat pump, rotting and becoming acidic
- Protection provided by the AquaTop allows for an extended **10 year warranty** on the evaporator coil



## 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



## ICEBREAKER® Heat & Cool Models

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



AquaCal® has been producing quality heat pumps since 1981



Setting the standard for excellence in the industry for over 37 years



Over 300,000 happy customers worldwide