

**Extend your swimming pool  
& spa season with THERMEAU<sup>®</sup>'s  
residential heaters.**

Enjoy the ultimate swimming  
experience with THERMEAU<sup>®</sup>'s  
smart pool heating.





Signature

## Increase the value of your pool and spa with THERMEAU®.

Invest in comfort all year long with THERMEAU®'s SIGNATURE residential heat pump. SIGNATURE has been designed specifically for home owners looking for optimal pool and spa temperatures, regardless of the time of day or year, as well as low energy bills and maintenance costs.

SIGNATURE is based on our sophisticated and renowned technology that is used in outdoor commercial pools across North America. You'll gain peace of mind knowing that you are getting the very best in performance and reliability.

### THE THERMEAU® ADVANTAGE

- Unequaled energy efficiency
- Triple-action sound barrier
- High-precision electronic temperature control
- Quick and easy installation
- Minimal and efficient maintenance
- Ultra-high-performance components

**AHRI** CERTIFIED®  
www.ahridirectory.org

Heat Pump Pool Heaters  
AHRI Standard 1160

## Smart heating

Developed and tested in Canada, where extreme temperature variations occur, THERMEAU®'s products have been proven to perform in both frigid and sweltering hot weather conditions. SIGNATURE's innovative **smart heating** is a total game changer for residential pool and spa owners. You'll not only benefit from optimal and constant temperature levels but also avoid extreme changes in temperature, which can cause high energy costs—and premature and progressive deterioration of your equipment. Safeguard your pool or spa investment with THERMEAU®'s SIGNATURE.



Premium-quality components.  
 Ingenious design.  
 Outstanding performance.

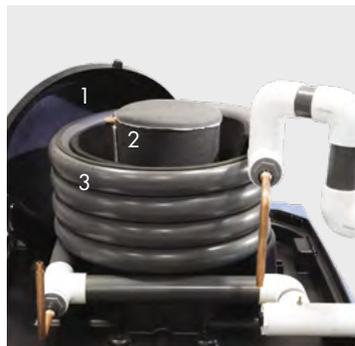


The **Gold** evaporator fin provides corrosion resistance for application near seacoast and for utmost durability and performance.



**Copeland scroll compressor**

- The best scroll compressor in the industry
- Unmatched reliability and durability in any climate and in all weather conditions
- The quietest system on the market
- Impressive combination of performance and energy savings
- Quality components that require little maintenance



**Ultra-silent pool heating** thanks to its triple-action **sound barrier system**.



Electronic **temperature control** with auto-diagnostic features



Rifled **titanium tube** increases the exchange surface for better heat transfer. Extremely robust, it withstands the pool's chemical products.

S55 - S65 - S85 - S105 - S125 - S140B



## A renowned warranty program you can trust

THERMEAU®'s products not only exceed the industry's highest standards but also come with a rock-solid warranty program to give you added peace of mind. What's more: benefit from outstanding customer and after-sales service that is second to none.



**2-year warranty on labor**



**7-year warranty on parts**



**10-year limited warranty on our heat exchanger**



Two-inch union at the front of the heat pump for easy installation.



**Large, quiet ventilation system** with a brilliantly designed profiled blade that improves airflow and minimizes noise



**Direct flow union** drains water caused by condensation. No more wet pavement!



**Lockable panel** that secures the system's configuration and protects it from bad weather



**Removable protective grille** for easy cleaning and maintenance.

# Innovate. Test. Outperform.

THERMEAU® installed our very own thermodynamic laboratory to improve the quality and energy efficiency of our products. In the lab, THERMEAU®'s team of specialists can accurately reproduce every climate condition that our products are likely to encounter. We constantly test, measure and improve our products' performance levels so that you can always take advantage of the latest innovations in pool and spa temperature control.

We pull out all the stops to offer you the very best solutions on the market, including ahead-of-the-curve production methods, rigorous quality control, next-generation components, superior energy efficiency, and attractive and durable finishes.

## UNRIVALLED ENERGY EFFICIENCY

Did you know that a high-performance heat pump model can generate more heat—without causing a spike in energy costs? Tested at an ambient temperature of 80 °F, THERMEAU®'s products generate a Coefficient of Performance (COP) of 6, which means they **produce 6 times more energy than they consume.**



# Features

Choose between one of our top-performing models.

OPERATING SPECIFICATIONS	S55	S65	S85	S105	S125	S140B
Volts	230	230	230	230	230	230
Hertz	60	60	60	60	60	60
Phase	1	1	1	1	1	1
Compressor amps	11.05A	12.4A	17.2A	23.2A	24.3A	27.3A
Heat exchanger	Titanium / PVC					
Fan motor max. load amps	2.4A	2.4A	2.4A	2.4A	2.4A	2.4A
Fan motor HP	1/3	1/3	1/3	1/3	1/3	1/3
Fan motor speed	825 RPM					
Minimum circuit ampacity	30 A	30 A	30 A	40 A	42,5 A	42,5 A
Maximum fuse	40 A	40 A	50 A	60 A	60 A	60 A
Compressor	Copeland scroll					

## TEST PERFORMANCES

80F amb, 80F water, 80% RH	51,000 BTU/Hr	64,000 BTU/h	85,000 BTU/h	105,000 BTU/h	121,000 BTU/h	133,000 BTU/h
COP	5.6	6.3	6	6	5.5	6
80F amb, 80F water, 63% RH	49,000 BTU/Hr	60,000 BTU/h	80,000 BTU/h	100,000 BTU/h	116,000 BTU/h	126,000 BTU/h
COP	5.4	6.1	5.8	5.8	5.3	5.8
50F amb, 80F water, 63% RH	34,000 BTU/Hr	40,000 BTU/h	58,000 BTU/h	70,000 BTU/h	80,000 BTU/h	87,000 BTU/h
COP	4	4	4	4	4	4
Defrost	Air	Air	Air	Air	Air	Air
Refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Optimal water flow rate (GPM)	30	30	35	40	55	60
Max. water flow rate (GPM)	100	100	100	100	100	100
Max. water temperature	104F	104F	104F	104F	104F	104F
Net Weight (lbs)	215	225	230	230	245	265
Shipping Weight (lbs)	260	270	275	275	290	310
Dimensions (in.)	H: 34 L:33 P:39					
Shipping dimensions (in.)	H: 39 L:35 P:44					

## Models for in-ground pools

Dimensions (ft.)	Surface (ft.²)	Liters	Gallons US	GOOD	BETTER	BEST
12 x 24	288	45,460	11,900	S105	S105	S105
14 X 28	392	61,323	16,200	S105	S105	S105
15 X 30	450	70,092	18,500	S105	S105	S105
16 X 32	512	79,871	21,100	S105	S105	S125
18 X 36	648	102,285	26,700	S125	S125	S140B
20 X 40	800	124,918	33,000	S140B	S140B	S140B

## Models for above-ground pools

Dimensions (ft.)	Surface (ft.²)	Liters	Gallons US	GOOD	BETTER	BEST
12	113	12,811	3,389	S55	S55	S55
15	177	19,684	5,200	S55	S55	S55
18	254	28,769	7,600	S55	S55	S65
21	346	39,368	10,400	S55	S65	S65
24	452	51,102	13,500	S65	S85	S105
27	573	65,108	17,200	S85	S105	S125
12 X 24	288	32,635	8,633	S65	S65	S65
15 X 30	450	50,993	13,490	S65	S85	S105
16 X 32	512	58,000	15,343	S65	S85	S105
18 X 33	594	67,288	17,801	S85	S105	S125



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