

HEATWAVE SUPERQUIET HEATING PROPOSAL

AIR SOURCE POOL / SPA HEAT PUMPS

POOL LOCATION:
 Mr & Mrs Smith
 Paradise
 Florida
 TELEPHONE: 9417162508
 PREPARED BY: David Ballard
 Sizing based on weather statistics for: SARASOTA, FL

DISTRIBUTOR:
 Symbiont Service Corp.
 4372 North Access Rd
 Englewood
 TELEPHONE: 941-716-2508
 FACSIMILE:
 DATE: 02/25/2021

SWIMMING POOL SIZING DATA PROFILE

Pool Dimensions (width X length):	15 Ft. X 30 Ft.	Pool Surface Area:	450.0 Sq. Ft.
Estimated Surface Area:	450.0 Sq. Ft.	Pool Volume:	15,187.5 Gallons
Average Depth:	4.5 Ft.	Water Weight:	126,511.9 lbs.
Wind Conditions:	No	It takes 1 BTU to heat 1 lb of water 1° F.	
Temperature Rise Required:	22.7° F	Disclaimer:	Target Water Temperatures Vary Depending on the Season.
Hertz:	60 Hz	Heating a standard 15,000 gallon pool to 84 degrees.	
Source Water Temperature:	N/A		
Unit Type:	HEATWAVE SUPERQUIET		

PEAK MONTH HEATING REQUIREMENTS

	<u>Blanket</u>	<u>Aqua Blanket</u>	<u>No Blanket</u>
Heat Loss/Day	4.5° F	6.8° F	11.4° F
BTU Req'd/Day	574,364	861,546	1,435,910
Peak Month			
Heat Pump(s)	Qty Model	Qty Model	Qty Model
Coldest Day	1 SQ125	1 SQ125	1 SQ125
Max Run Time	5.7 hrs	8.5 hrs	14.2 hrs

HEATWAVE SUPERQUIET SAVINGS

	<u>Blanket</u>	<u>Aqua Blanket</u>	<u>No Blanket</u>
1 Year			
Gas Heating Costs	\$5,764.84	\$8,647.26	\$14,412.11
AquaCal Heating Costs	\$513.75	\$770.64	\$1,284.37
AquaCal Savings	\$5,251.09	\$7,876.62	\$13,127.74
Savings Percent	91.09%	91.09%	91.09%
5 Year			
Gas Heating Costs	\$28,824.20	\$43,236.30	\$72,060.55
AquaCal Heating Costs	\$2,568.75	\$3,853.20	\$6,421.85
AquaCal Savings	\$26,255.45	\$39,383.10	\$65,638.70
Savings Percent	91.09%	91.09%	91.09%
10 Year			
Gas Heating Costs	\$57,648.40	\$86,472.60	\$144,121.10
AquaCal Heating Costs	\$5,137.50	\$7,706.40	\$12,843.70
AquaCal Savings	\$52,510.90	\$78,766.20	\$131,277.40
Savings Percent	91.09%	91.09%	91.09%

ENERGY PROFILE

LP Gas Cost Per Gallon: \$3.50
 Electric kWh Rate: \$0.11

AVERAGE MONTHLY HEATING COST COMPARISON

	<u>Blanket</u>		<u>Aqua Blanket</u>		<u>No Blanket</u>		Swim			
	HEAT PUMP	GAS	HEAT PUMP	GAS	HEAT PUMP	GAS	AVERAGE MONTH	FIRST HALF	LAST HALF	CLIMATE TEMP °F
January	\$83.01	\$931.40	\$124.51	\$1,397.10	\$207.51	\$2,328.50	January	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	61.3
February	\$78.62	\$882.16	\$117.93	\$1,323.25	\$196.54	\$2,205.41	February	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	62.5
March	\$64.72	\$726.25	\$97.08	\$1,089.37	\$161.80	\$1,815.62	March	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	66.3
April	\$46.44	\$521.09	\$69.66	\$781.64	\$116.10	\$1,302.73	April	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	71.3
May	\$29.25	\$328.25	\$43.88	\$492.37	\$73.13	\$820.62	May	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	76.0
June	\$13.53	\$151.81	\$20.29	\$227.72	\$33.82	\$379.54	June	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	80.3
July	\$6.58	\$73.86	\$9.87	\$110.78	\$16.45	\$184.64	July	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	82.2
August	\$5.48	\$61.55	\$8.23	\$92.32	\$13.71	\$153.87	August	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	82.5
September	\$13.16	\$147.71	\$19.75	\$221.57	\$32.91	\$369.28	September	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	80.4
October	\$34.01	\$381.59	\$51.01	\$572.38	\$85.02	\$953.97	October	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	74.7
November	\$60.70	\$681.11	\$91.05	\$1,021.67	\$151.75	\$1,702.78	November	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	67.4
December	\$78.25	\$878.06	\$117.38	\$1,317.09	\$195.63	\$2,195.15	December	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	62.6
Totals	\$513.75	\$5,764.84	\$770.64	\$8,647.26	\$1,284.37	\$14,412.11				

If your pool gets too hot in the summer, AquaCal's Heat'n'Cool heat pump can also cool your pool!

This has been prepared with historical data of the past 30 years. Weather patterns will vary each year. Heat gains and costs will vary accordingly.

AQUACAL AUTOPILOT, INC. 2737 24th STREET NORTH ST. PETERSBURG, FL 33713 Phone 727-823-5642 Fax 727-821-7471

*This applies to all Liquid Blanket products