

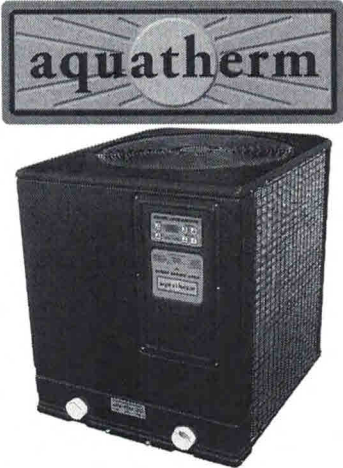


Heat Pump Pool Heating Audit Equipment Sizing & Operation Cost

2213 Andrea Lane FT. Myers FL 33912
www.aquathermheatpumps.com

Date: 01-19-2021

Pool Area: **594.0 Ft²**
 Weather Data Used: **TX Houston**
 Avg Depth: **5.0 Ft**
 Avg Wind Speed: **1.5 MPH**
 Water Volume: **22,217 Gal.**
 Exposure to the Sun: **Maximum**
 Pool Returns: **Standard**
 Pool: **Outdoor**
 Backup: **No backup**
 Cost per KWH: **\$0.120**
 Existing Heater: **Propane**
 Loss KBtu/Hr in peak month uncovered: **63,985**
 Cost per /Gal Prop: **\$2.000**



Proposed System: 1 Aquatherm Model AT150WH-T

	Avg Air Temp F°	Uncovered pool					Covered pool				
		Cover Hrs/Day	Water Temp F°	Heat Hrs/Day	HP \$ Cost	Propane \$ Cost	Cover Hrs/Day	Water Temp F°	Heat Hrs/Day	HP \$ Cost	Propane \$ Cost
JAN	50	0	79	24	\$568	\$1,917	12	85	21	\$512	\$1,727
FEB	54	0	82	24	\$475	\$1,704	12	85	17	\$373	\$1,338
MAR	61	0	85	18	\$434	\$1,729	12	85	12	\$282	\$1,124
APR	68	0	85	10	\$238	\$1,062	12	85	6	\$150	\$669
MAY	75	0	85	4	\$88	\$433	12	85	2	\$52	\$255
JUN	80	0	N/A	Off	\$0	\$0	N/A	N/A	Off	\$0	\$0
JUL	83	0	N/A	Off	\$0	\$0	N/A	N/A	Off	\$0	\$0
AUG	82	0	N/A	Off	\$0	\$0	N/A	N/A	Off	\$0	\$0
SEP	78	0	85	2	\$53	\$272	12	85	1	\$28	\$147
OCT	70	0	85	10	\$236	\$1,072	12	85	6	\$147	\$668
NOV	61	0	85	19	\$435	\$1,754	12	85	12	\$282	\$1,138
DEC	54	0	81	24	\$538	\$1,926	12	85	18	\$440	\$1,576
Total:					\$3,064	\$11,871				\$2,265	\$8,641

Above data is based on historical weather data of 30 years in Houston.

This report is based on normal weather conditions and is reliant on specific pool data and conditions provided in the report.

Wind speed will greatly affect the performance and cost of operation.