

Swimming Pool Heating Cost

Comparison of Heat Recovery Pool Heaters to Heat Pump Pool Heaters.



Annual costs to heat a pool with a high efficiency (COP 5.0) heat pump pool heater.

Location Example	Swimming Pool Season	Pool Temperature Set-point	
		80 °F	82 °F
Miami	1/1–12/31	\$1,460	\$1,845
Phoenix	3/1–10/31	\$875	\$1,090
Dallas	4/1–10/31	\$970	\$1,240
Atlanta	4/1–10/31	\$1,110	\$1,425
Los Angeles	5/1–10/31	\$1,210	\$1,485
Kansas City	5/1–10/31	\$935	\$1,185
New York	5/1–9/30	\$975	\$1,220
Chicago	5/1–9/30	\$1,035	\$1,270
Denver	5/1–8/31	\$1,055	\$1,245
Boston	5/1–8/31	\$1,075	\$1,280
Minneapolis	6/1–9/30	\$850	\$1,040
San Fran	6/1–8/31	\$950	\$1,110
Seattle	6/1–8/31	\$900	\$1,035

Heat pump pool heating data: US Department of Energy

Annual costs to heat a pool with a HotSpot air conditioner heat recovery pool heater.

Location Example	Swimming Pool Season	Pool Temperature Set-point	
		80 °F	82 °F
Any Location	Local Season	\$0.00	\$0.00

Heat recovery pool heating utilizes an existing air conditioner of 2.5 tons or larger. Heat that would normally be discarded is recycled into the swimming pool water. Heat recovery pool heating requires no additional energy to heat the pool therefore annual energy costs are considered to be zero.*

*The energy used to operate the pool pump is not considered because the pump runs with or without pool heating. During heat recovery the air conditioner efficiency is substantially increased. A net reduction in air conditioning electrical cost can be achieved.

Pool season and energy cost data source: U.S. Department of Energy. Calculations based on \$.085/kWh average electric utility cost. Based on high-COP heat pumps, standard heat pump pool heaters use more energy than listed. Report produced 6-15-11 by HotSpot Energy. More information: www.energysavers.gov