



AquaCal AutoPilot Calculating Initial Heating Time (in Metric)

The time it takes to initially warm your pool or spa depends on several factors.

First, determine how many liters of water are to be heated. Knowing this, you can then compute the equivalent kilos of water involved, and the BTU's necessary to heat the volume of water to the desired temperature.

Next, find the approximate BTU output of your heat pump at the current ambient air temperature; see product literature at: www.aquacal.com or contact AquaCal Customer Support (727-823-5642).

Finally, decide upon the temperature at which you plan to maintain your pool or spa.

The following work sheet can be used to calculate approximately how long it will take your heater to bring your pool or spa up to temperature. Keep in mind heating times will vary somewhat due to weather conditions during the period that the heater is in use; use of a pool blanket can dramatically improve heat up and heat maintenance performance.

Pool Volume (Length X Width X Average Depth) = _____ Pool Cubic Meters

X Liters per cubic meter (1000) = _____ Pool Liters

X Kilos per Liter (?) = _____ Kilos of Water

How many degrees do you want to raise the temperature of the pool?

of Degrees _____ X Kilos of Water (3.96) = _____ BTU's Required

BTU's Required (per above) _____ ÷ BTU Output of Heater = _____ Hrs. of Operation

Optional Cold Weather Adjustment Factor:

Hrs. of Operation (per above) _____ X 1.25 (15.5° C outside air (O.A.) Temperature Factor) =

_____ Hrs. of Operation at 15.5° C O.A.
