

# VARIABLES TO BE CONSIDERED FOR PROPER HEAT PUMP SIZING SELECTION

## Pool Volume: More Water VS. Less Water

Although the primary variable for heat pump selection is the pool surface area, the pool volume (L) affects overall performance. The average depth may determine if a smaller or larger heater should be selected.

## Pool Sun Exposure: More Sun VS. Less Sun

Does the pool receive more or less direct sun during peak sun hours or is it shaded.

## Heat Pump Placement: Unit Sun Exposure & Open Air

The heat pump performance will be optimized if the unit is in the sun and its air flow is not restricted or obstructed.

## Solar Blankets: Use Of Solar Blanket

Solar blankets generate heat & minimize heat loss.

## Models for in-ground pools

Dimensions (ft.)	Surface (ft <sup>2</sup> )	Litres	Gallons (US)	Recommended Model(s)
12 x 24	288	45,460	11,900	SUM45TAC
14 x 28	392	61,323	16,200	SUM45TAC
15 x 30	450	70,092	18,500	SUM45TAC - SUM5TAC
16 x 32	512	79,871	21,100	SUM5TAC
18 x 36	648	102,285	26,700	SUM5TAC - SUM8TA
20 x 40	800	124,918	33,000	SUM8TA

## Models for above ground pools

Dimensions (ft.)	Surface (ft <sup>2</sup> )	Litres	Gallons (US)	Recommended Model(s)
12	113	12,811	3,389	HP50B
15	117	19,684	5,200	HP50B
18	254	28,769	7,600	HP50B
21	346	39,368	10,400	HP50B - HP65B
24	452	51,102	13,500	HP65B
27	573	65,108	17,200	SUM45TAC
12 x 24	288	32,635	8,633	SUM45TAC
15 x 30	450	50,993	13,490	SUM45TAC - SUM5TAC
16 x 32	512	58,000	15,343	SUM5TAC
18 x 33	594	67,288	17,801	SUM5TAC - SUM8TA