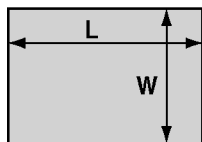


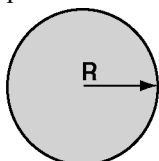
HEATER SELECTION GUIDE

POOL SIZING

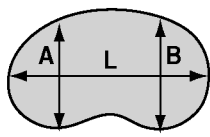
Determine your pool's surface area in



$$\text{Area} = L \times W$$



$$\text{Area} = R \times R \times 3.14$$



$$\text{Area} = (A + B) \times L \times .45$$

In the table below, locate the surface area equal to or slightly greater than the pool's surface area, read to the left and select the appropriate heater.

Tables are based on a 3½ MPH wind velocity and elevation of up to 2,000 feet above sea level.

SPA SIZING

Determine your spa capacity in gallons (surface area x average depth x 7½).

The reference tables list the time required in minutes to raise the temperature of the spa/hot tub by 30°F. In the table below, locate the spa/hot tub size in gallons. Select the desired time to raise the spa/hot tub temperature 30°F, read to the left and select the appropriate heater.

This guide can be adjusted for other temperature rises. For example, if you desire a 15°F increase in temperature, simply divide the time for 30°F rise by the 15°F increase (30/15=2).

Note: Heat losses and/or heat absorbed by spa walls or other objects will add to heat-up time.

Spa sizing is based on an insulated and covered spa. Always cover your spa or hot tub when not in use to minimize heat loss and evaporation.

LAARS HEATER SIZING CHART

POOL HEATER

Model No.	125	175	250	325	400
Temp. Diff.	Maximum Pool Surface Area (Sq. Ft.)				
15°F	667	889	933	1244	1333
20°F	500	667	700	933	1000
25°F	400	533	560	747	800
30°F	333	444	467	622	687
35°F	286	381	400	533	571

Shaded columns indicate sizing with a 0 MPH wind. Example: Rectangular pool, 20 feet x 40 feet, with desired temperature rise of 25°F: 20 x 40 = 800 square foot surface area, the recommended heater is a 250.

SPA HEATER

Model No.	125	175	250	325	400
Spa Size (Gal.)	Time to Heat Spa 30°F (Minutes)				
200	30	21	15	12	9
400	60	43	30	23	19
600	90	64	45	35	28
800	120	86	60	46	37
1000	150	107	75	58	47

Example: To heat a 400 gallon spa 30°F in 30 minutes, the recommended heater is a 250.

ABOVE-GROUND HEATER HEAT-UP CHART

Pool Size	Approximate Gallons	Degrees (°F) Per Hour
15' Round	5,000	1.3°
18' Round	7,000	1.0°
12' x 24' Oval	7,000	1.0°
21' Round	9,500	0.7°
15' x 30' Oval	10,500	0.6°
24' Round	13,000	0.5°