

Selection Guide for Electric Spa and Hot Tub Heaters

Use this table to select the proper size Coates Electric Heater for residential or commercial spas and hot tubs. This table is based on **TIME TO HEAT** the water and assumes that the spa or hot tub will be covered when not in use. If the spa or hot tub is located outside in cold weather or has an air blower an increase in heater size may be required. Commercial or extended use may also require a larger heater.

COATES ELECTRIC HEATERS FOR SPAS & HOT TUBS												
	RESIDENTIAL SPA HEATERS			COMMERCIAL OR LARGE CAPACITY SPA HEATERS								
MODEL KILOWATT	1.5ILS 1.5kW	6ILS 5.5kW	11SHB 11kW	12CE 12kW	15CE 15kW	18CE 18kW	24CPH 24kW	30CPH 30kW	36PHS 36kW	45PHS 45kW	54PHS 54kW	57PHS 57kW
SPA SIZE GALLONS	TIME IN MINUTES TO RAISE WATER TEMPERATURE 10°F											
200	195	53	27	24	20	16	12	10	8	7	6	5
300	293	80	40	36	29	24	18	15	12	9	8	7
400	390	106	54	48	38	32	24	20	16	12	11	10
500	486	133	66	61	48	40	30	25	20	16	14	13
600	582	159	80	73	58	48	36	30	24	19	16	15
700	684	186	96	85	68	56	42	35	28	22	19	18
800	780	212	108	97	77	64	48	40	32	25	22	21
900	882	239	120	109	87	72	54	45	36	28	24	23
1000	975	265	132	121	97	80	60	50	40	32	27	26

HOW TO USE THIS TABLE:

- ① Determine the size of your spa or hot tub in gallons.
 - ② Starting from the gallons column, move across this row to the desired heat up time in minutes.
 - ③ Follow that column up to the size heater required for the desired heat up time.
 - ④ For a temperature rise higher than 10°F, increase the gallons in proportion to the increase in temperature rate desired.
- Example; If the **TIME TO HEAT** required is 30 minutes a 15kW heater will raise the water 10°F . To double the temperature rise to 20°F, double the number of gallons to 600 and read across the table to 30 minutes. The correct size heater would be 30kW