

Spa Dimensions

Circular Spa Diameter (ft)	Surface		Bench Width (ft)	Footwell		Depth Over Bench (ft)	Total Volume ^a (gal)	Flow Rate for Hot 30 Min Turnover (gpm)	Flow Rate for Cold 90 Min Turnover (gpm)	Water Weight (lbs)	Time to Raise Temp 1°F w/ 400kBtu/hr ^b (minutes)	Time to Raise Temp 20°F w/ 400kBtu/hr ^b (minutes)
	Area (ft ²)	Depth (ft)		Diameter (ft)	Footwell Depth (ft)							
6.0	28.3	3.5	1.5	3.0	1.75	1.75	612.3	20.4	6.8	5,109.7	0.9	18.7
6.5	33.2	3.5	1.5	3.5	1.75	1.75	710.0	23.7	7.9	5,924.9	1.1	21.7
7.0	38.5	3.5	1.5	4.0	1.75	1.75	817.9	27.3	9.1	6,825.8	1.2	25.0
7.5	44.2	3.5	1.5	4.5	1.75	1.75	936.2	31.2	10.4	7,812.6	1.4	28.6
8.0	50.3	3.5	1.5	5.0	1.75	1.75	1064.7	35.5	11.8	8,885.1	1.6	32.5
8.5	56.7	3.5	1.5	5.5	1.75	1.75	1203.5	40.1	13.4	10,043.5	1.8	36.7
9.0	63.6	3.5	1.5	6.0	1.75	1.75	1352.6	45.1	15.0	11,287.6	2.1	41.3
9.5	70.9	3.5	1.5	6.5	1.75	1.75	1511.9	50.4	16.8	12,617.6	2.3	46.2
10.0	78.5	3.5	1.5	7.0	1.75	1.75	1681.6	56.1	18.7	14,033.3	2.6	51.3
10.5	86.6	3.5	1.5	7.5	1.75	1.75	1861.5	62.0	20.7	15,534.9	2.8	56.8
11.0	95.0	3.5	1.5	8.0	1.75	1.75	2051.7	68.4	22.8	17,122.3	3.1	62.6
11.5	103.9	3.5	1.5	8.5	1.75	1.75	2252.2	75.1	25.0	18,795.5	3.4	68.8
12.0	113.1	3.5	1.5	9.0	1.75	1.75	2463.0	82.1	27.4	20,554.4	3.8	75.2

Square Spa Length & Width (ft)	Surface		Bench Width (ft)	Footwell		Depth Over Bench (ft)	Total Volume ^a (gal)	Flow Rate for Hot 30 Min Turnover (gpm)	Flow Rate for Cold 90 Min Turnover (gpm)	Water Weight (lbs)	Time to Raise Temp 1°F w/ 400kBtu/hr ^b (minutes)	Time to Raise Temp 20°F w/ 400kBtu/hr ^b (minutes)
	Area (ft ²)	Depth (ft)		Square Length & Width (ft)	Footwell Depth (ft)							
6.0	36.0	3.5	1.5	3.0	1.75	1.75	738.7	24.6	8.2	6,164.8	1.1	22.6
6.5	42.3	3.5	1.5	3.5	1.75	1.75	863.1	28.8	9.6	7,202.6	1.3	26.4
7.0	49.0	3.5	1.5	4.0	1.75	1.75	1000.5	33.4	11.1	8,349.7	1.5	30.5
7.5	56.3	3.5	1.5	4.5	1.75	1.75	1151.1	38.4	12.8	9,606.1	1.8	35.1
8.0	64.0	3.5	1.5	5.0	1.75	1.75	1314.7	43.8	14.6	10,971.7	2.0	40.1
8.5	72.3	3.5	1.5	5.5	1.75	1.75	1491.4	49.7	16.6	12,446.6	2.3	45.5
9.0	81.0	3.5	1.5	6.0	1.75	1.75	1681.2	56.0	18.7	14,030.7	2.6	51.3
9.5	90.3	3.5	1.5	6.5	1.75	1.75	1884.2	62.8	20.9	15,724.0	2.9	57.5
10.0	100.0	3.5	1.5	7.0	1.75	1.75	2100.2	70.0	23.3	17,526.7	3.2	64.1
10.5	110.3	3.5	1.5	7.5	1.75	1.75	2329.2	77.6	25.9	19,438.5	3.6	71.1
11.0	121.0	3.5	1.5	8.0	1.75	1.75	2571.4	85.7	28.6	21,459.6	3.9	78.5
11.5	132.3	3.5	1.5	8.5	1.75	1.75	2826.7	94.2	31.4	23,590.0	4.3	86.3
12.0	144.0	3.5	1.5	9.0	1.75	1.75	3095.1	103.2	34.4	25,829.6	4.7	94.5

Rectangular Spa Length / Width (ft)	Surface		Bench Width (ft)	Footwell		Depth Over Bench (ft)	Total Volume ^a (gal)	Flow Rate for Hot 30 Min Turnover (gpm)	Flow Rate for Cold 90 Min Turnover (gpm)	Water Weight (lbs)	Time to Raise Temp 1°F w/ 400kBtu/hr ^b (minutes)	Time to Raise Temp 20°F w/ 400kBtu/hr ^b (minutes)
	Area (ft ²)	Depth (ft)		Length / Width (ft)	Footwell Depth (ft)							
9.3 / 6.3	58.6	3.5	1.5	6.3 / 3.3	1.75	1.75	1188.8	39.6	13.2	9,920.7	1.8	36.3

^aTotal volume includes 20 ft³ of mechanical volume which approximates a 50' plumbing run to the equipment pad for 2.5" filtration lines and 4" jet lines, filter volume, etc.

^bHeater efficiency = 82%.

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