

Cold Plunge Chiller Sizing Guide

Indoor Plunge Pool Chiller Sizing Guide			
Pool Volume (Gallons)	Nominal Chiller Size	Chiller H.P 50°F LWT	Chiller HP 45°F LWT
100 to 300	1 Ton	1.0	1.5
300 to 450	1.5 Ton	1.5	2.0
450 to 650	2 Ton	2.0	2.5
650 to 950	3 Ton	2.5	3.5
950 to 1,200	4 Ton	3.5	4.0
1,200 to 1,500	5 Ton	5.0	6.0
1,500 to 2,000	6 Ton	6.0	6.5
2,000 to 2,700	7 Ton	7.0	7.5
Above 2,700	C/F	C/F	C/F

Chiller Sizing Guide is based on the following:

1. Indoor pool in air-conditioned space
2. Duration of use is short
3. Dipping body part - not full body immersion

Conditions that may increase heat load:

1. Piping that is exposed to sun light or is not insulated
2. Pools (like gunite) that are not insulated
3. Direct sunlight and pools that are not covered
4. Warm ambient temperatures around pool
5. High usage sites; like for a sports team, busy spa or therapy center
6. Piping runs under warm cement floors
7. Long piping runs (that can absorb heat)
8. Filter systems that add heat
9. Cool down time - chart assumes chiller will be used to maintain the water at a fixed temperature. If chiller will be turned on/off with specified cool down times, consult factory for sizing assistance

This is a guide only. No warranties or guaranties are given or implied. If site conditions are not consistent with chart limitations / conditions or if you are unsure about how to size, consult factory for assistance.