

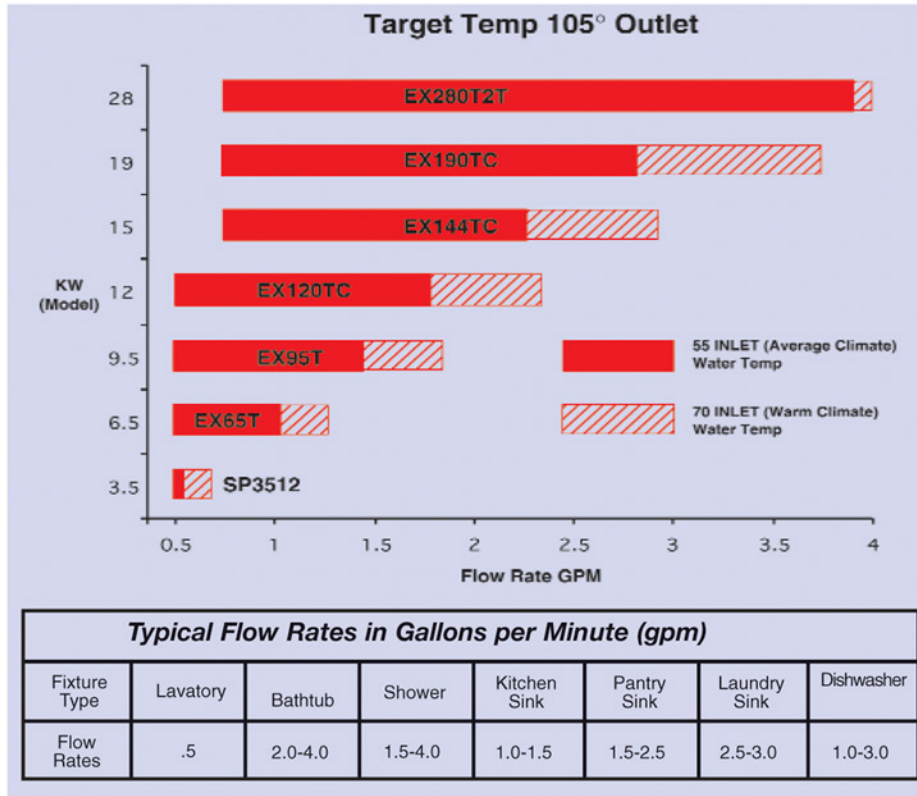


Tankless Electric Water Heaters

Sizing Guide

What you need to know when selecting a Tankless Electric Water Heater

A tankless water heater creates hot water on demand. So you need a proportional amount of energy or (kw) to heat the flow or (gpm) you need for your application. The chart below will help you determine the correct electric Tankless Water Heater, based on flow rate (gpm) and temperature rise.



FLOW CHART **POWER REQUIRED - kW**

GPM	Temperature Rise - °F									
	20°F	30°F	40°	50°	60°	70°	80°F	90°F	100°F	110°F
10	29.34kW	44kW	58.6kW	73.2kW						
9	26.4kW	39.5kW	52.7kW	65.9kW	79kW					
8	23.4kW	35.1kw	49.9kW	58.6kW	70.3kW	82kW				
7	20.5kW	30.7kW	41kW	51.2kW	61.5kW	71.5kw	82kW			
6	17.6kW	26.4kW	35.1kW	44kW	52.7kW	61.5kW	70.3kW	79kW		
5	14.6kW	22kW	29kW	37kW	44kW	51.2kW	58.6kW	65.9kW	73.2kW	
4	11.7kW	17.6kW	23.4kW	29kW	35.1kW	41kW	46.9kW	52.7kW	58.6kW	64.4kW
3	8.8kW	13.0kW	17.6kW	22kW	26.4kW	30.7kW	35.1kW	39.5kW	44kW	48.3kW
2	5.8kW	8.8kW	11.7kW	14.6kW	17.6kW	20.5kW	23.4kW	26.4kW	29.3kW	32.2kW
1	3.0kW	4.4kW	5.8kW	7.3kW	8.8kW	10.2kW	11.7kW	13.0kW	14.6kW	16.1kW
1/2	—	—	3.0kW	3.6kW	4.4kW	5.1kW	5.8kW	6.5kW	7.3kW	8kW

FORMULAS

Flow Rate, (GPM) = $\frac{\text{kW rating} \times 6.83}{\text{rise in temp (°F)}}$

Rise in Temp (°F) = $\frac{\text{kW rating} \times 6.83}{\text{rise in temp (°F)}}$

kW Rating = $\frac{\text{GPM} \times \text{rise in temp}}{6.83}$