

Hot Water Peak Hour Calculator

In order to determine what size water heater to purchase, one must first determine the peak hourly use. To determine this first decide at what time of day your family is most likely to use the greatest amount of hot water; then use the chart below to calculate the "Peak Hour Demand"

Type of Hot Water Water Usage	Average Gallons per Usage	Times Used in One Hour	Total Gallons Used in One Hour
Taking a Shower	20		
Taking a Bath	20		
Washing Hands & Face	2		
Shampooing Hair	4		
Shaving	2		
Dishwashing by Hand	5		
Automatic Dishwasher	14		
Prepping Food	5		
Washing Machine (Hot Wash/Cold Rinse)	22		
Washing Machine (Hot Wash/Warm Rinse)	32		
Washing Machine (Hot Wash/Hot Rinse)	43		
TOTAL GALLONS USED			

So for an example; if your household had its peak hot water usage in the evening, the chart above may look something like this:

<u>Hot Water Usage</u>	<u>Ave. Gallons Used</u>	<u>Times Used</u>	<u>Gallons Used</u>
Showers	20 Gallons	x 2	= 40
Shampoos	4 Gallons	x 2	= 8
Bath (Std. Tub)	20 Gallons	x 1	= 20
Auto Dishwasher	14 Gallons	x 1	= 14
Total Peak Hour Demand			= 82