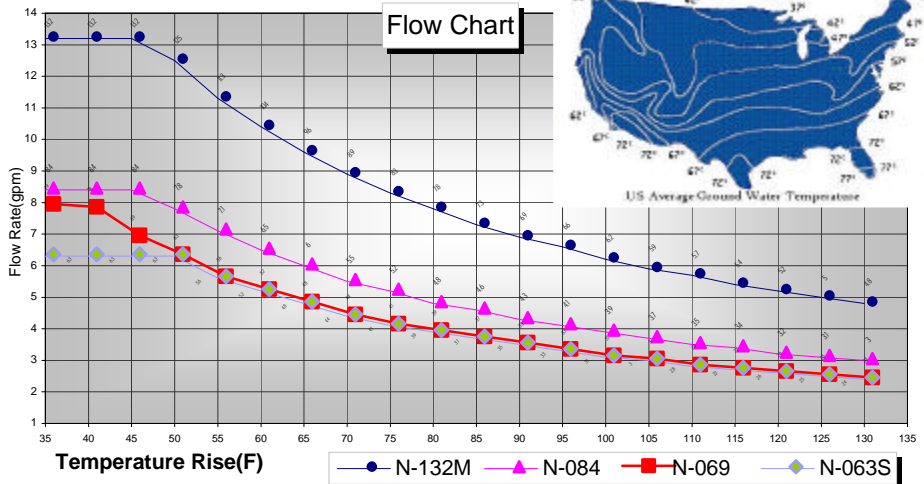


# Noritz Sizing Guidelines

## Household flow rates taken from UPC 2000:

- Lavatory Sink 1 GPM (Gallon Per Minute)
- Kitchen Sink 1.5 GPM
- Dishwasher 1.5 GPM
- Body Sprays 2 GPM ea.
- Shower 2.5 GPM
- Washing Machine 2 GPM
- Bath Tub 1/2" in up to 4 GPM
- Bath Tub 3/4" in up to 10 GPM

Jacuzzi or Roman Tub - 4 to 15 GPM



## Temperature rise and output flow rate by Model #:

Temperature Rise ?	35	40	45°	50°	55°	60°	65°	70°	75°	80°	85°	
Model / Max GPM hot water output, per model based on temp. rise and output temp. setting.	N-063S	6.3	6.3	6.3	<b>6.3</b>	5.6	5.2	4.8	4.4	4.1	3.9	3.7
	N-069M	<b>7.9</b>	<b>7.8</b>	<b>6.9</b>	6.3	5.6	5.2	4.8	4.4	4.1	3.9	3.7
	N-084M	8.4	8.4	<b>8.4</b>	7.8	7.2	6.7	6	5.5	5.2	4.8	4.6
	N-132M	13.2	13.2	<b>13.2</b>	12.5	11.3	10.5	9.7	9	8.2	7.8	7.2

Max Output Flow

Each Model's output flow rate will depend on the inlet groundwater temperature, this temperature may be checked with a thermometer or inquire with the local water supply company.

Set Temp. - Inlet Groundwater Temp.(map above) = Temp. Rise(flow chart above) and you have maximum output flow rate.

**N-063 for example:** The map above is for reference only, check your incoming water supply for actual inlet temperature. Set Temp. of 114° - 59° Inlet = 55° rise, will achieve 5.1gpm of hot water output; good for 2 - flow restricted showers, 1-Lavatory running simultaneously and possibly more fixtures. -Or- 1-Tub and 1-Lav.

## Benefits in Jacuzzi or Roman Tub Applications using Noritz:

Please keep in mind that specialty tubs come in all sizes and filling time varies; for example if you have a 60 gallon tub with a 5.1gpm output, then your fill-time will approximately be about 12 minutes. During 12-minutes of fill-time, the tub will incur heat loss. Most Jacuzzi/Roman Tubs have internal built-in heaters keeping the tubs heated at a stable temperature.

\*Noritz Tankless Water Heaters comes standard with a Temperature Remote Controller that will allow you change your desired output temperature. This Remote Controller also acts as a diagnostics tool.

\*\*There is also a built-in Tub-Fill-Timer that you can set to sound when your tub is filled. No more running to the tub to check if it is full, the remote controller's built in program will alert you with the beep.

\*\*\*Once the tub is filled, you will have instantaneous hot water for other needs, no more waiting for a tank to heat up.

**Note: Adult supervision must be present when temperatures above 105° are used. This can cause instant scalding or other serious injury.**

Applications with larger size tubs may require more than one unit. With each additional unit, you will double or triple the output flow rate therefore speeding up the tubs fill-time. (Only N69M, N-084M or N-132M are capable of Multi-System application, we do not recommend combining N-063S Model together/parallel.)

By sizing the correct Multi-System according to your need. You won't be restricted to just filling the tub in addition you can run the shower, washing machine, dishwasher, etc., all at the same time.

The time it takes heated water leaving the Noritz Tankless Water Heater to reach the tap being used will depend on distance of pipe run from the heater to tap. Homes where the bathroom located on the opposite side of the house may need Recirculation Lines installed.

IAPMO Code dictates that Category III (Stainless Steel) vent pipe be used with any power vented appliance. Noritz Tankless Water Heaters are power vented therefore this code applies. The advantage to using Category III venting is that Stainless Steel does not corrode as galvanized vent pipes would in harsh environments.