



Model NR83OD (GQ-2457WS US) Series Model NR83DVC (GQ-2457WS-FFA US) Series Residential Tankless Water Heater Specification Sheet

- **Standard Input** - Gas consumption ranges from 18,000 BTU/h to 180,000 BTU/h
- **Capacity Range** - Flow rates from 0.5 gpm up to 8.3 gpm
- **Compact Design** - ANSI Z21.10.3/CSA 4.3 certified design that can be wall-mounted indoors (-DVC models only) or installed outdoors (-OD model)
- **Durable Steel Casing with Polyester Coating**
- **Heat Exchanger** - Manufactured with commercial grade copper, 25% thicker piping than standard models
- **Venting Options** - Available in Outdoor (-OD), or Inside Model Direct Vent Concentric (-DVC) using 5"/3" Noritz stainless steel vent pipe
- **Direct Electronic Ignition**
- **Quick-Connect** - Two identical units can be linked together by using the optional Quick Connect Cord for twice the hot water capacity
- **Uniform Energy Factor (UEF)** - 0.82 for OD and DVC
- **Temperature Controls** - Includes remote thermostat that can precisely adjust the output temperature from 115°F to 140°F
- **Power Cord Installation Kit** - 6' power cord is included with -DVC models (*assembly required for -OD models*)
- **Safety Devices** - Flame Sensor, Overheat Prevention Device, Lightning Protection Device, Freeze Protection
- **Additional Features** - Temperature Lockout, High Elevation Adjustment New Scale Detection Function
- **12-Year* Limited Heat Exchanger Warranty for Residential Use**
- **5-Year Limited Parts Warranty**
- **1-Year Reasonable Labor**
- **Approvals** - CSA, UPC**, NSF, Low NOx Approved by SCAQMD [$<14\text{ng/J}$ or 20ppm] Suitable for Installation in a Manufactured (Mobile) Home***



<p>Model</p> <p>NR83 _____</p> <p><input type="checkbox"/> OD (Outdoor Vent)</p> <p><input type="checkbox"/> DVC (Concentric Direct Vent)</p> <p>Accessories</p> <p><input type="checkbox"/> Wireless Adapter (NWC-Adapter)</p> <p><input type="checkbox"/> Isolator Valve (#IK-WV-200-3-(SW/TH)-LF)</p> <p><input type="checkbox"/> Pipe Cover for OD Model (#PC-2S)</p> <p><input type="checkbox"/> Pipe Cover for DVC Model (#PC-2S)</p> <p><input type="checkbox"/> Recess Box for OD Model (#RB-700-1)</p> <p><input type="checkbox"/> Quick Connect Cord (#QC-2)</p>
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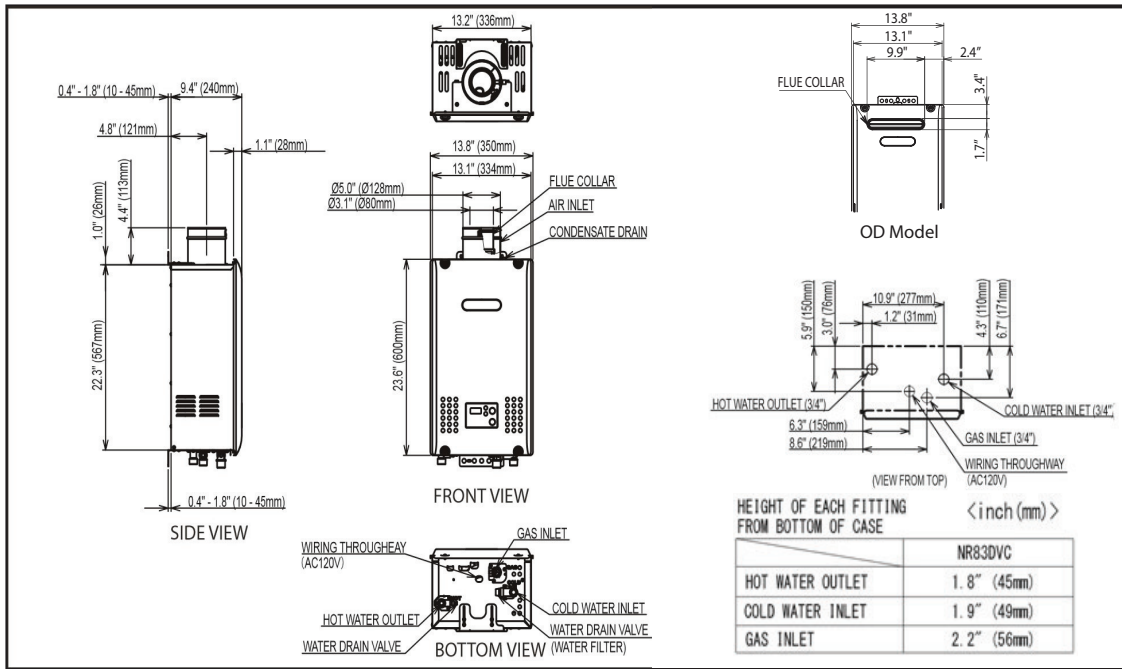


* Heat Exchanger warranty is maintained at 12 years or 6500 operational hours, whichever occurs first, when used in a single family dwelling in conjunction with a controlled recirculation system (an aquastat being the minimum pump control requirement) in accordance with the Installation Manual. Refer to the Noritz Limited Warranty for complete coverage details

** This product complies with California AB 1953 Low Lead Law and Section 1417(d) of the Safe Drinking Water Act

*** Manufactured (Mobile) Home approval is valid for OD or DVC models

Dimensions

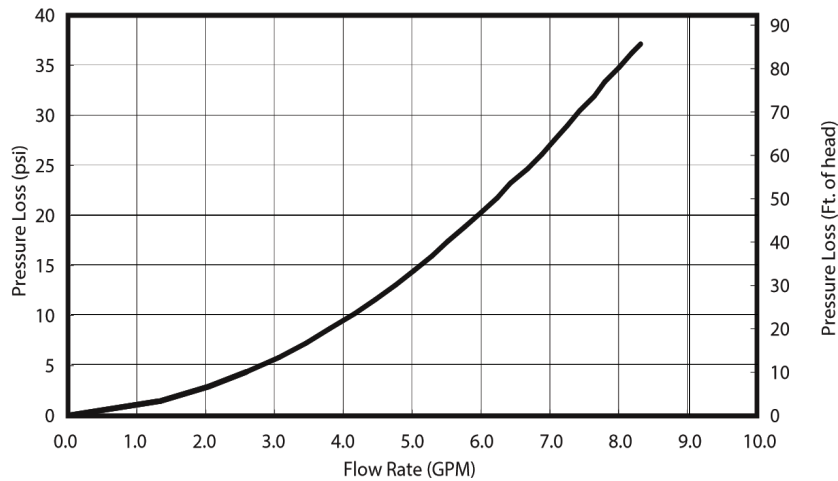


Flow Rates

Temperature Rise (°F)	30	40	45	50	60	70	80	90	100
Flow Rate (GPM)	8.3	7.6	6.7	6.1	5.0	4.3	3.8	3.4	3.0

For peak flow rates in shaded areas, contact Noritz for proper setting

Pressure Loss



Specifications

Model Name		NR83OD (GQ-2457WS US) NR83DVC (GQ-2457WS-FFA US)
Weight		49 (Pounds)
Water Holding Capacity		0.2 Gallons (0.95 L)
Connection Sizes	Water Inlet	3/4"
	Hot Water outlet	3/4"
	Gas Inlet	3/4"
Power	Supply	120VAC (60Hz), Less than 2 amperes
	Consumption	(-DVC)NG:82W LP:90W (-OD)NG:67W LP:69W (W/T Freeze Prevention: 161W)
Freeze Prevention		Indoor: -30°F(-DVC) Outdoor -4°F(-OD)
Temperature Settings	F° Mode	115-140°F (In5°F Intervals)(6 Options)
	C° Mode	46,47,48,50,55,60°C (6 Options)
Default Temperature Options	F° Mode	120,125,130,140°F (Default is 120°F)
	C° Mode	50,52,55,60°C (Default is 50°C)