

# Model NR83 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
- **Durable Steel Casing with Polyester Coating**
- **Heat Exchanger** - manufactured with commercial grade copper, 25% thicker piping than standard models
- **Venting** - concentric direct vent (DVC) design that uses 5"/3" Noritz concentric stainless steel vent pipe and is rated for zero clearance
- **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
- **Energy Factor** - 0.82 (NG) 0.83 (LP)
- **Thermal Efficiency** - 85% efficient for use with natural gas or propane
- **Temperature Controls** - includes remote thermostat attached to the front panel that can precisely adjust the output temperature from 100°F to 140°F and display temperatures in both °C and °F
- **Power Cord Kit** - comes pre-installed with 6' power cord
- **Safety Devices** - Flame Sensor, Overheat Prevention Device, Lightning Protection Device, Freeze Protection
- **Additional Features** - Temperature Lockout, High Elevation Adjustment, NEW Service Reminder Function (*unit can be programmed to signal a reminder for regular maintenance*)
- **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 (Rule 1146.2), Suitable for Installation in a Manufactured (Mobile) Home



NR83-DVC



*This model is eligible for the Federal tax credit of up to 10% of the water heater and installation costs (up to \$300) when installed in a residence between 1/1/2011 through 12/31/2011*

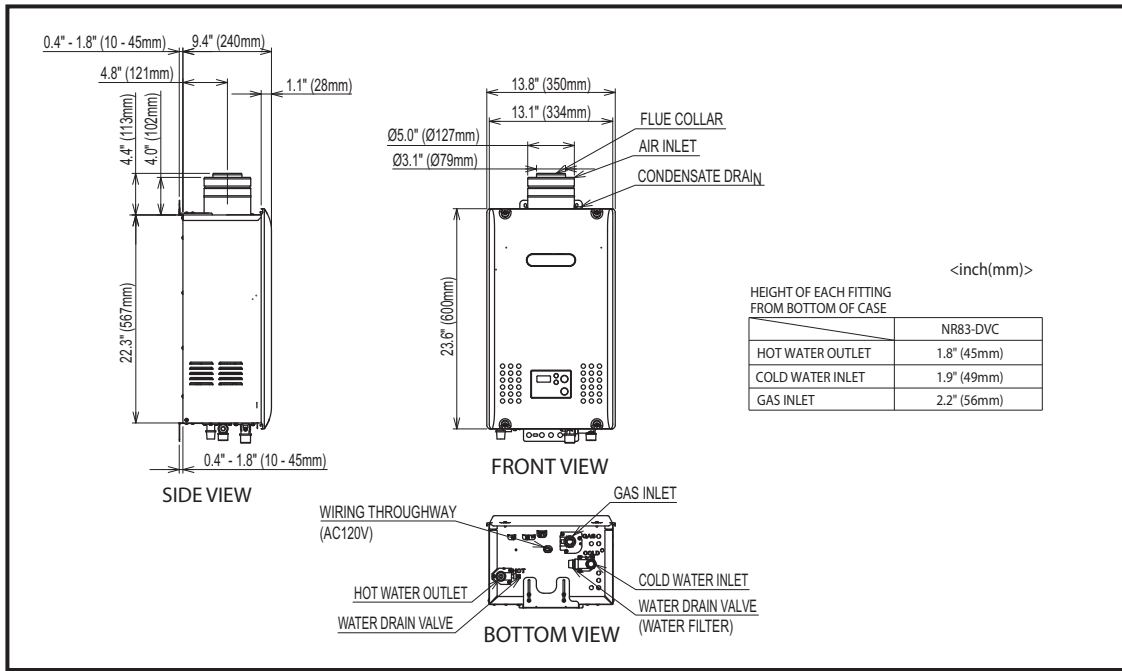
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|---|
| <p><b>Model</b><br/>NR83 - DVC</p> <p><b>Accessories</b></p> <p><input type="checkbox"/> Isolation Valves (#IK-WV-7)</p> <p><input type="checkbox"/> Pipe Cover (#PC-2S)</p> <p><input type="checkbox"/> Quick Connect Cord (#QC-2)</p> |
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\* 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

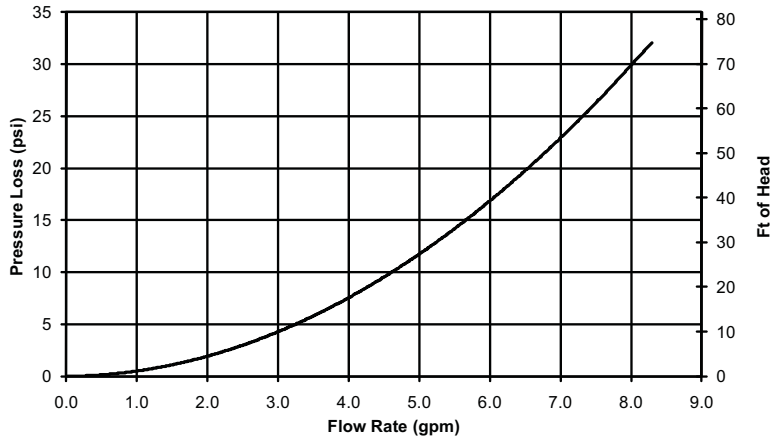
## Dimensions



## 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 |

## Pressure Loss



## Specifications

|                             |                  |  |
|-----------------------------|------------------|--|
| Model Name                  |                  | NR83-DVC   |
| Weight                      |                  | 49 (pounds)  |
| Water Holding Capacity      |                  | 0.2 Gallon   |
| Connection Sizes            | Water Inlet      | 3/4"   |
|                             | Hot Water Outlet | 3/4"   |
|                             | Gas Inlet        | 3/4"   |
| Power                       | Supply           | 120VAC (60Hz), less than 2 amperes                                       |
|                             | Consumption      | NG: 82W LP: 90W Freeze Prevention 161W                                   |
| Freeze Protection           |                  | Indoor: -30°F  |
| Temperature Settings        | °F Mode          | 100-140°F (In 5°F intervals) (9 Options)                                 |
|                             | °C Mode          | 37-48°C (In 1°C intervals), 50, 55, 60°C (In 5°C intervals) (15 Options) |
| Default Temperature Options | °F Mode          | 120, 130, 140°F (Default is 120°F)                                       |
|                             | °C Mode          | 50, 55, 60°C (Default is 50°C)   |