

# Model NRC711 Series Residential Condensing Tankless Water Heater Specification Sheet

- **Standard Input** - gas consumption ranges from 15,000 BTU/h to 157,000 BTU/h
- **Capacity Range** - flow rates from 0.5 gpm up to 7.1 gpm
- **Compact Design** - ANSI Z21.10.3/CSA 4.3 certified design that can be wall-mounted indoors or outdoors
- **Durable Steel Casing with Polyester Coating**
- **Venting Options** - available as an Outdoor (requires no venting) or indoor Direct Vent (-DV) model which includes special plastic flue adapters that are compatible with both 3" Schedule 40 and 80 PVC/CPVC pipe. The DV model can also be converted to a non-direct vent (SV) model with the use of a Conversion Kit (#SV-CK-3)
- **Direct Electronic Ignition**
- **Uniform Energy Factor (UEF)** - 0.89 (NG) / 0.89 (LP) DV  
0.89 (NG) / 0.89 (LP) OD
- **Thermal Efficiency** - fully condensing, 93% efficient for use with natural gas or propane
- **Temperature Controls** - includes built in display that can preset the output temperature to either 120°F, 130°F, 135°F, or 140°F
- **Power Cord Installation Kit** - 6' power cord is included with -DV models only
- **Safety Devices** - Flame Rod, Thermal Fuse, Lightning Protection Device (ZNR), Overheat Prevention Device, Freezing Prevention Device, Fan Rotation Detector
- **Additional Features** - Temperature Lockout, High Elevation Adjustment
- **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]



OD Model

DV Model

**Model**

NRC711 - \_\_\_\_

OD (Outdoor Vent)

DV (Direct Vent)

**Accessories**

Horizontal Hood Termination (#PVT-HL)

3" PVC Termination (#VK3-H-PVC)

Birdscreen for 3" PVC/CPVC (#VT3-PVCS)

Condensate Neutralizer (#NC-1)

Isolation Valves (#IK-WV-200-1(-LF))

SV Conversion Kit (#SV-CK-3)

Outdoor Recess Box (#RB-510)

Remote Controller (#RC-7651M)

Remote Controller Cord (#RC-CORD10)

Remote Controller Cord (#RC-CORD26)

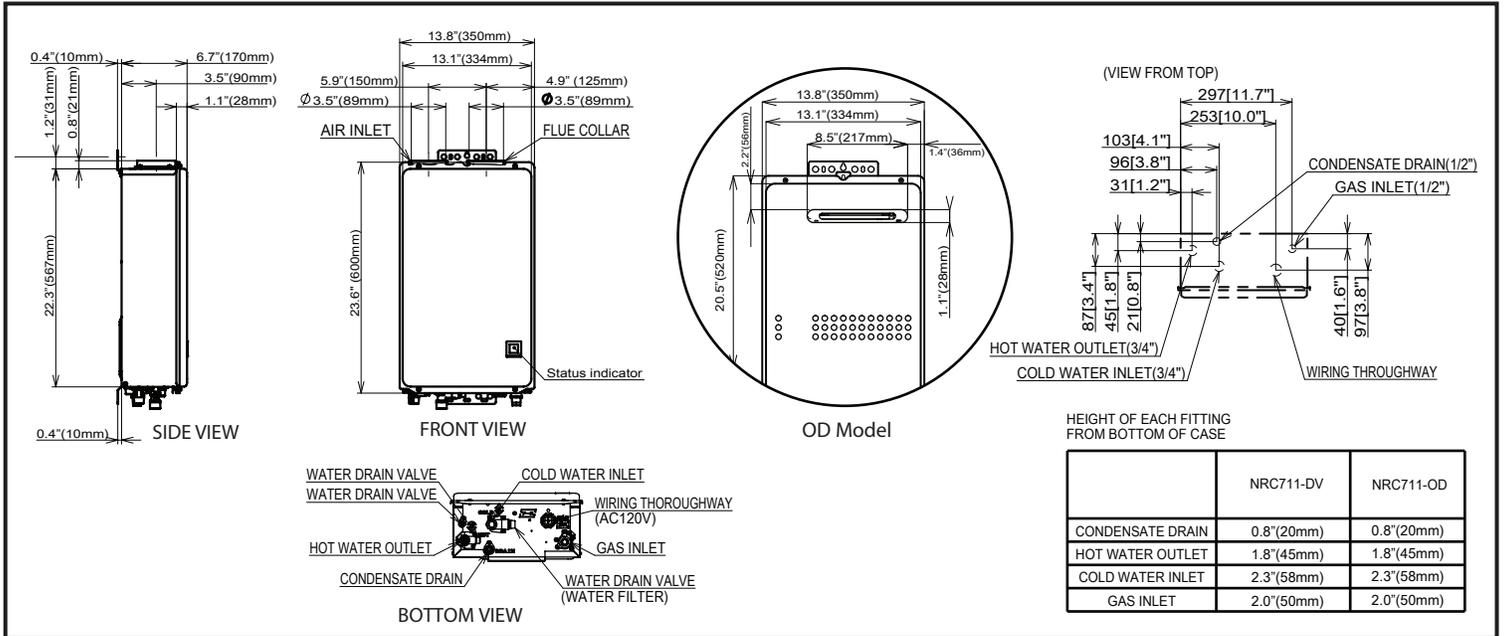
Pipe Cover (#PC-15)



\* 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

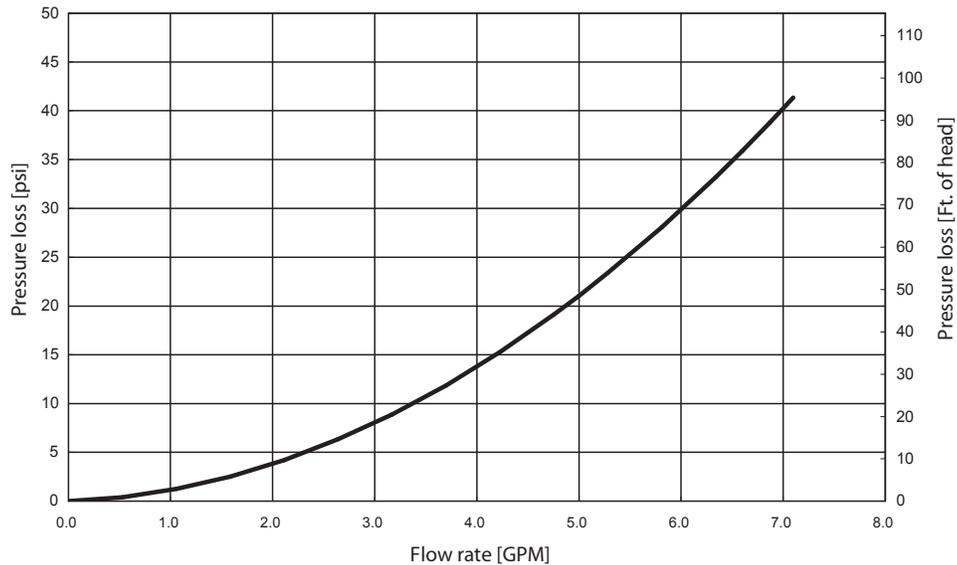
## Dimensions



## Flow Rates

| Temperature Rise (°F) | 30  | 40  | 45  | 50  | 60  | 70  | 80  | 90  | 100 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow Rate (GPM)       | 7.1 | 7.1 | 6.5 | 5.8 | 4.9 | 4.2 | 3.7 | 3.2 | 2.9 |

## Pressure Loss Characteristics



## Specifications

| Model Name   |                  | NRC711-OD   | NRC711-DV                              |
|--|------------------|---|--|
| Weight   |                  | 40 (pounds)   | 41 (pounds)                            |
| Water Holding Capacity                               |                  | 0.2 Gallon (0.9 L)  |  |
| Connection Sizes                                     | Water Inlet      | 3/4"  |  |
|  | Hot Water Outlet | 3/4"  |  |
|  | Gas Inlet        | 3/4"  |  |
|  | Condensate Drain | 1/2"  |  |
| Power  | Supply           | 120VAC (60Hz), less than 4 amperes                                      |  |
|  | Consumption      | NG: 52W LP: 53W Freeze Prevention 139W                                  | NG: 71W LP: 72W Freeze Prevention 138W |
| Freeze Protection                                    |                  | Outdoor: -4°F   | Indoor: -30°F                          |
| Temperature Settings with Optional Remote Controller | °F Mode          | 115-140°F (In 5°F intervals) (6 Options)                                |  |
|  | °C Mode          | 46-48°C (In 1°C intervals), 50, 55, 60°C (In 5°C intervals) (6 Options) |  |
| Default Temperature Options                          | °F Mode          | 120, 130, 135, 140°F (Default is 120°F)                                 |  |
|  | °C Mode          | 50, 54, 57, 60°C (Default is 50°C)                                      |  |