

# Model NRC661A Series Residential Condensing Tankless Water Heater Specification Sheet

- **Standard Input**- Gas consumption ranges from 15,000 BTUH to 120,000 BTUH
- **Capacity Range**- Flow rates from 0.5 GPM up to 6.6 GPM
- **Compact Design**- ANSI Z21.10.3/CSA 4.3 certified design that can be wall-mounted 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 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) OD  
0.89 (NG) / 0.89 (LP) DV



OD Model

DV Model

- **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, 135°F, or 140°F
- **Power Cord Installation Kit** - 6' power cord is included with -DV models only
- **Safety Devices**- Flame Sensor, Overheat Prevention Device, Lighting Protection Device, Freeze Protection, Condensate Overfill, Fan Rotation Detector
- **Additional Features** - Temperature Lockout, High Elevation Adjustment, Built-in display window
- **12-Year\* Limited Heat Exchanger Warranty for Standard Residential Use**
- **5-Year Limited Parts Warranty**
- **1-Year Reasonable Labor Warranty**
- **Approvals**- CSA, UPC\*\*, NSF, Low NOx Approved by SCAQMD [ $<14\text{ng/j}$  or 20ppm]

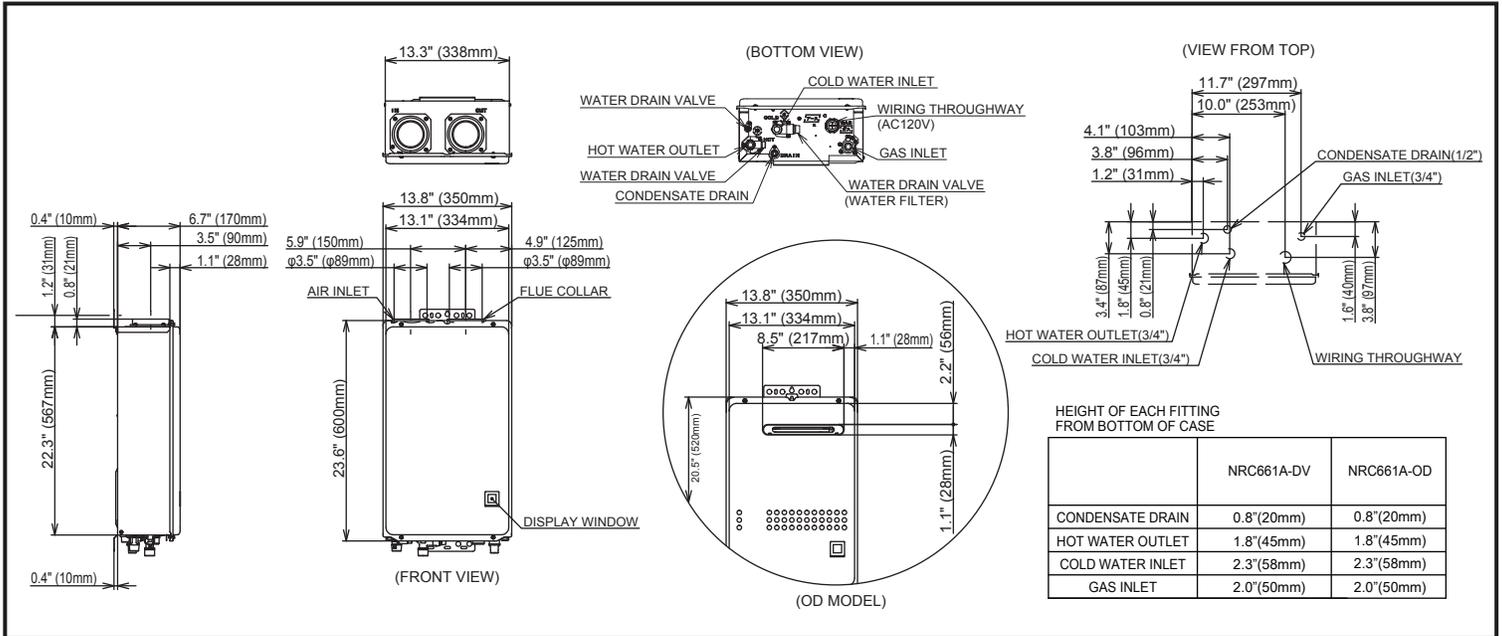
<p><b>Model</b> NRC661A- ____</p> <p><input type="checkbox"/> OD (Outdoor Vent)</p> <p><input type="checkbox"/> DV (Direct Vent)</p> <p><b>Accessories</b></p> <p><input type="checkbox"/> Horizontal Hood Termination (#PVT-HL)</p> <p><input type="checkbox"/> 3" PVC Termination (#VK3-H-PVC)</p> <p><input type="checkbox"/> Birdscreen for 3" PVC/CPVC (#VT3-PVCS)</p> <p><input type="checkbox"/> Condensate Neutralizer (#NC-1)</p> <p><input type="checkbox"/> Isolation Valves (#IK-WV-200-1(-LF))</p> <p><input type="checkbox"/> SV Conversion Kit (#SV-CK-3)</p> <p><input type="checkbox"/> Outdoor Recess Box (#RB-510)</p> <p><input type="checkbox"/> Remote Controller (#RC-7651M)</p> <p><input type="checkbox"/> Remote Controller Cord (#RC-CORD10)</p> <p><input type="checkbox"/> Remote Controller Cord (#RC-CORD26)</p> <p><input type="checkbox"/> Pipe Cover (#PC-15)</p>
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\*12 Years replacement on the heat exchanger when the product is used in a single family dwelling. 3 Years replacement on heat exchanger when the product is used for commercial capacity, if it is used in other than a single family dwelling, or if the product is supplied with pre-heated or circulated water (an aquastat being the minimum pump control requirement). 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.

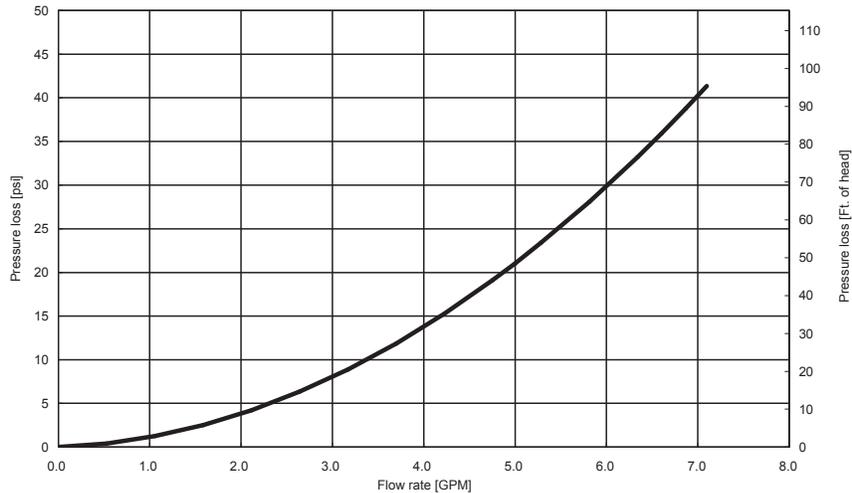
## Dimensions



## Flow Rates

Temperature Rise (°F)	30	40	45	50	60	70	80	90	100
Flow Rate (GPM)	6.6	5.5	4.9	4.4	3.7	3.2	2.8	2.6	2.2

## Pressure Loss Characteristics



## Specifications

Model Name		NRC661A-DV	NRC661A-OD
Weight		39 (pounds)	36 (pounds)
Water Holding Capacity		0.2 Gallon (0.9 L)	
Connection Sizes	Water Inlet	3/4"	
	Hot Water Outlet	3/4"	
	Gas Inlet	1/2"	
	Condensate Drain	1/2"	
Power	Supply	120VAC (60Hz)	
	Consumption	NG: 54W LP: 56W Freeze Prevention 139W	NG: 43W LP: 42W Freeze Prevention 139W
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, 47, 48, 50, 55, 60°C (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)	