NORITZ

Model NRC661 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 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**
- **Energy Factor** - 0.91 (NG) 0.93 (LP)
- **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, Lightning Protection Device, Freeze Protection, Condensate Overfill, Fan Rotation Detector
- **Additional Features -** Temperature Lockout, High Elevation Adjustment
- **12-Year* Limited Heat Exchanger Warranty for Residential Use**
- **5-Year Limited Parts Warranty**
- **Approvals** - CSA, UPC**, NSF, Low NOx Approved by SCAQMD [<14ng/J or 20ppm]

OD Model

DV Model

Model

NRC661 - ____

☐ 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-1S)*

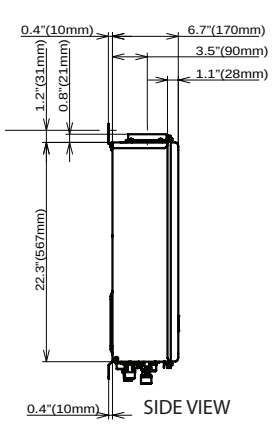
LOW-LEAD UPC NSF ENERGY STAR

** 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*

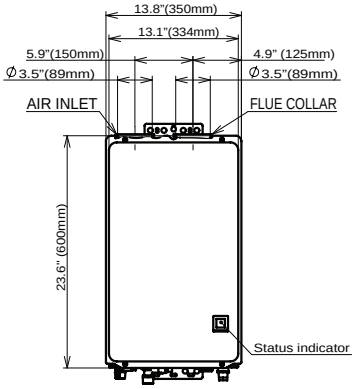
*** This product complies with California AB 1953 Low Lead Law*

NORITZ AMERICA CORPORATION
11160 Grace Avenue, Fountain Valley, CA 92708 Tel. 1-866-7NORITZ www.noritz.com

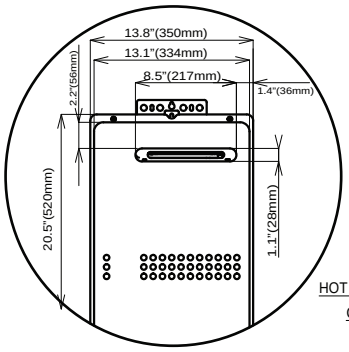
Dimensions



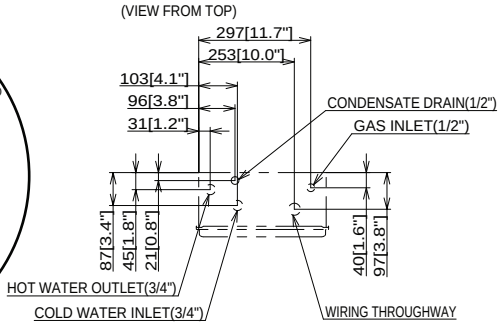
SIDE VIEW

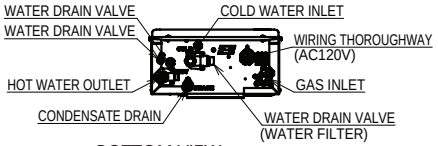


FRONT VIEW



OD Model





BOTTOM VIEW

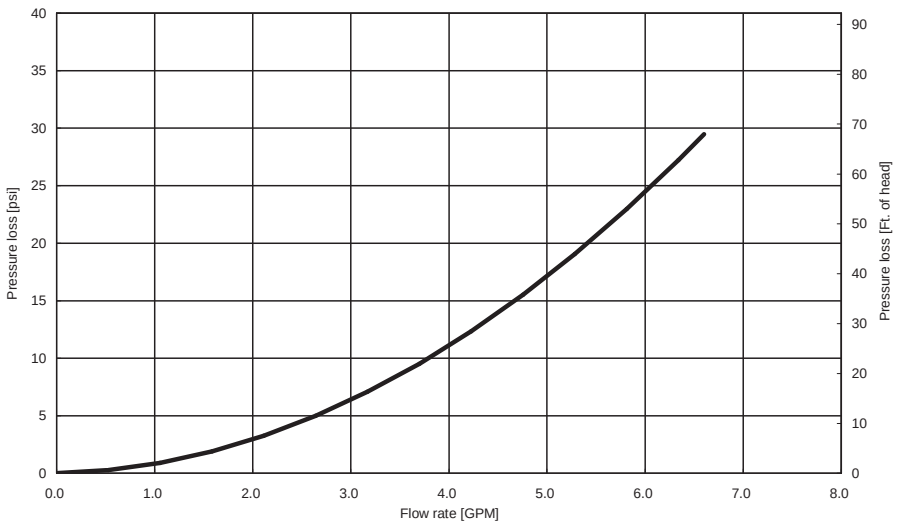
HEIGHT OF EACH FITTING FROM BOTTOM OF CASE

	NRC661-DV	NRC661-OD
CONDENSATE DRAIN	0.8"(20mm)	0.8"(20mm)
HOT WATER OUTLET	1.8"(45mm)	1.8"(45mm)
COLD WATER INLET	2.3"(58mm)	2.3"(58mm)
GAS INLET	2.0"(50mm)	2.0"(50mm)

Flow Rates

Temperature Rise (°F)	30	40	45	50	60	70	80	90	100
Flow Rate (GPM)	6.6	5.8	5.3	4.6	3.8	3.3	2.9	2.6	2.3

Pressure Loss Characteristics



Specifications

Model Name			NRC661-OD	NRC661-DV
Weight			36 (pounds)	38 (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), less than 4 amperes	
	Consumption		NG: 43W LP: 42W Freeze Prevention 139W	NG: 54W LP: 56W Freeze Prevention 138W
Freeze Protection			Outdoor: -4°F	Indoor: -30°F
Temperature Settings with Optional Remote Controller		°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, 135, 140°F (Default is 120°F)	
		°C Mode	50, 57, 60°C (Default is 50°C)	

Noritz America reserves the right to discontinue, or change at any time, the designs and/or specifications of its products without notice.