

Rinnai®

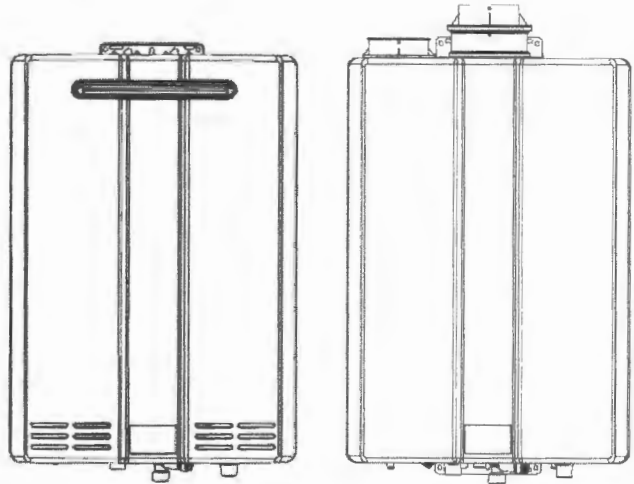
Direct Vent Tankless Water Heater with Integrated Pump Installation and Operation Manual

FOR INDOOR APPLICATIONS ONLY

RUR98i..... REU-KBP3237FFUD-US

FOR OUTDOOR APPLICATIONS ONLY

RUR98e..... REU-KBP3237WD-US



ANSI Z21.10.3 • CSA 4.3

READ ALL OF THE INSTRUCTIONS THOROUGHLY BEFORE INSTALLING OR OPERATING THIS WATER HEATER.

This manual provides information on the installation, operation, and maintenance of the water heater. For proper operation and **safety**, it is important to follow the instructions and adhere to the safety precautions.

A licensed professional must install the water heater according to the exact instructions in this manual.

The consumer must read the entire manual to properly operate the water heater and to have regular maintenance performed.

⚠ WARNING If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or death.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a licensed professional.

U306-1465X02



Technical Data

Specifications

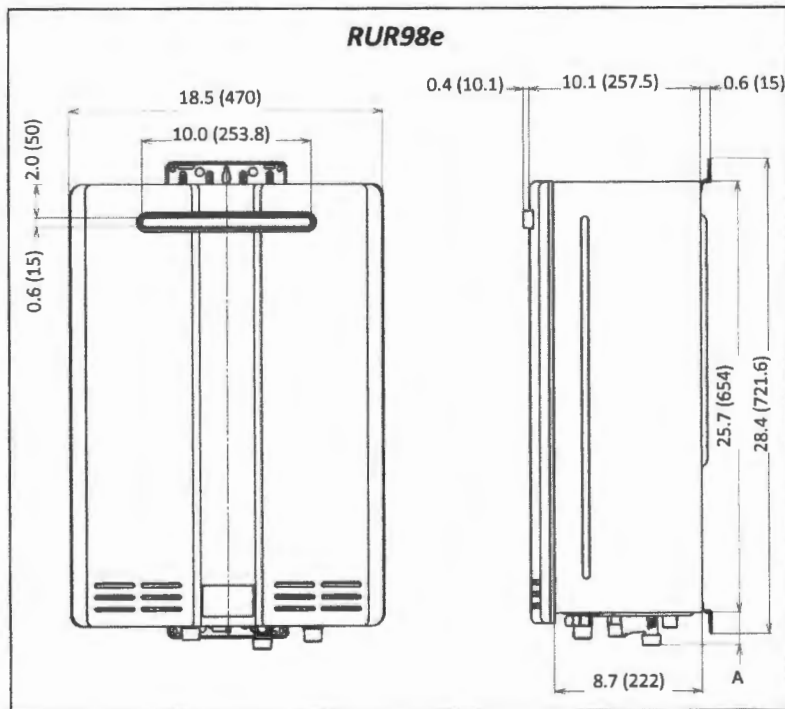
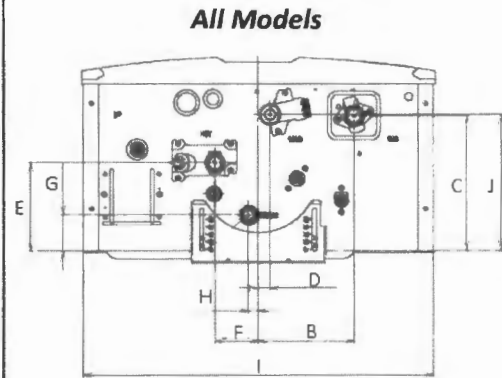
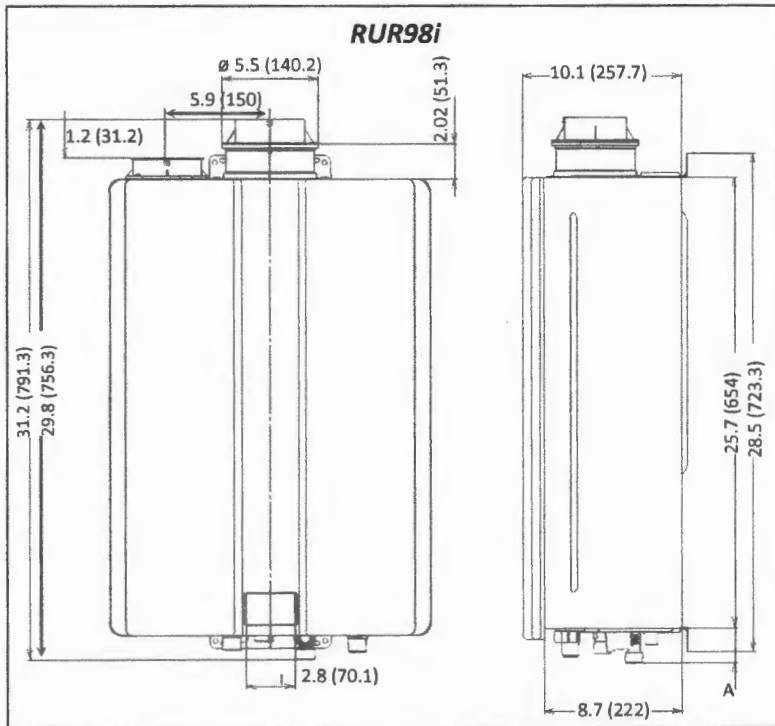
		<i>RUR98i</i>	<i>RUR98e</i>
Minimum Gas Consumption Btu/h		15,200	
Maximum Gas Consumption Btu/h		199,000	
Hot water capacity (Min - Max) *		0.26 - 9.8 GPM (1.0 - 37 L/min)	
Maximum Temp Setting		Selectable at 120° F (49° C) or at 140° F (60° C)	
Minimum Temperature Setting		For Dedicated Return mode: 98° F (37° C), For Cross Over mode : 120° F (49° C)	
Weight		72.8lb (33kg)	
Energy Factor		0.95	0.95
Noise level		41dB	52dB
Electrical Data	Normal	205W	201W
	Standby	3W	
	Anti-frost Protection	150W	210W
	Fuse	10 A	
Bypass Control		Electronic	
Gas Supply Pressure	Natural Gas	4.0 - 10.5 inch W.C.	
	Propane	8.0 - 13.5 inch W.C.	
Type of Appliance		Condensing, Tankless, Temperature controlled continuous flow gas hot water system	
Connections		Gas Supply: 3/4" MNPT, Cold Water Inlet: 3/4" MNPT, Hot Water Outlet: 3/4" MNPT	
Ignition System		Direct Electronic Ignition	
Electric Connections		Appliance: AC 120 Volts, 60Hz. Temperature Controller: DC 12 Volts (Digital)	
Water Temperature Control		Simulation Feedforward and Feedback	
Water Supply Pressure		Minimum Water Pressure: 50 PSI (Recommended 60-80 PSI for maximum performance)	
Maximum Water Supply Pressure		150 PSI	
Remote Control Cable		Non-Polarized Two Core Cable (Minimum 22 AWG)	
Energy Star Qualified		Yes	
Certified for installation in manufactured (mobile) homes		Yes	
Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx emission levels		Yes	

* Minimum flow may vary slightly depending on the temperature setting and the inlet water temperature.
Minimum activation flow is 0.4 GPM (1.5 L/min).

Our products are continually being updated and improved; therefore, specifications are subject to change without prior notice.
The maximum inlet gas pressure must not exceed the value specified by the manufacturer. The minimum value listed is for the purpose of input adjustment.

Dimensions

Inches (millimeters)



DIMENSION	Inches (mm)
A (GAS)	1.6 (40.2)
A (COLD)	2.0 (50.2)
A (HOT)	1.4 (36.4)
B	5.0 (127.2)
C	7.1 (179.7)
D	0.60 (15.3)
E	4.6 (116.8)
F	2.3 (57.7)
G	1.9 (47.8)
H	0.52 (13.3)
I	18.3 (466)
J	7.2 (181.5)

* This is the minimum dimension from the wall. The wall bracket is adjustable to allow an additional 1.57 inches (40 mm).