Rinnai

# V94e (REU-VC2837W-US)

EXTERNAL (OUTDOOR) NON-CONDENSING TANKLESS WATER HEATER

## RESIDENTIAL

# EASE OF INSTALLATION AND SERVICEABILITY

- Compact Design to Save Space
- Wi-Fi Technology for Remote Monitoring and Management
- Simple Gas Conversion

# OPTIONAL ACCESSORIES

ScaleCutter, Additional Controllers, Recess Box, Pipe Cover, EZConnect<sup>™</sup> Cables, control·r<sup>™</sup> Wi-Fi Module, Wireless Accessories, and many more.

Visit rinnai.us for a complete list of accessories.

Installation Type	External (Outdoor) Reside Applications; Certified for Manufactured (Mobile) Ho	installation in
Model Number	V94e (REU-VC2837W-US)	
Approved Gas Types	Natural and Propane	
High Altitude Approved	Up to 10,200 ft. (3,109 m)	
Water Flow Control	Water Flow Sensor, Electronic Water Control and Fixed Bypass Control	
	AHRI CERTIFIED~	UEF: 0.81
Efficiency	Ratings not certified by AHRI	EF: 0.82
Controller	Included: MC-91-2US	
	Optional: MC-100V-1US (Deluxe),	
BC-100V-1US (Bathroom), MCC-91-2US (Hydronic Applicatio		
		plications),
	control·r™ Wi-Fi Module	
Certifications	AHRI, ANSI Z21.10.3, and CSA 4.3	

HIGH-EFFICIENCY (NON-CONDENSING) TANKLESS WATER HEATER

#### Warranty

- Heat Exchanger: 10 years\* for residential and hydronic applications, increased to 12 years\* if installed with an isolation valve kit
- All Other Parts and Components: 5 Years\*
- Reasonable Labor: 1 Year
- \* 3 years if used as a circulation water heater within a circulation loop when the water heater is in series with a circulation system and all circulating water flows through the water heater. Refer to the Tankless Water Heater Installation and Operation manual for complete warranty information.

#### **Safety Devices**

Flame Failure - Flame Rod, Boiling Protection, Combustion Fan RPM Check, Over Current - Glass Fuse, Remaining Flame (OHS), Thermal Fuse and Automatic Frost Protection

#### Included with Purchase

Tankless Water Heater and MC-91-2 Temperature Controller

### **Additional Features**

- Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx Emission Levels
- Ultra Low NOx
  - 1/2 in. (13 mm) Gas Line Compatible
  - Wi-Fi Capable



CERTIFIED TO ANSI Z21.10.3 - CSA 4.3

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# TECHNICAL SPECIFICATIONS

	SPECIFICATION	V94e	
Dimensions - w, h, d		14.04 in. x 22.95 in. x 9.27 in. (356.6 mm x 583 mm x 235.5 mm)	
Minimum Gas Consumption Btu/h		10,300	
	imum Gas sumption Btu/h	199,000	
Flow Rate <sup>1</sup> (Min - Max)		0.26 - 9.8 GPM (1.0 - 37.1 L/min)	
Weight		44.3 lbs. (20.1 kg.)	
Sound Level		55 dB	
Electrical	Normal	65 W	
	Standby	2 W	
	Freeze Protection	104 W	
Ele	Max	4 Amps	
	Fuse	10 Amps	
Temperature (with remote)		98°- 120° F (37°C - 49°C) (factory default) 98°- 160° F (37°- 71° C) available with the MCC-91-2 controller for hydronic applications	
Temperature (without remote)		120° F (49°C) (factory default) or 140° F (60°C)	
Gas Supply Pressure <sup>2</sup>		<ul> <li>Natural: 4 in. w.c 10.5 in. w.c. (10 mbar – 26.1 mbar)</li> <li>Propane: 8 in. w.c 13.5 in. w.c. (20 mbar – 33.6 mbar)</li> </ul>	
Ignition System		Direct Electronic Ignition	
Electronic Connections		<ul> <li>Appliance: AC 120 Volts, 60Hz.</li> <li>Temperature Controller: DC 12 Volts (Digital)</li> </ul>	
Water Supply Pressure		<ul> <li>Minimum: 20 PSI (Recommended 30-80 PSI for max performance)</li> <li>Maximum: 150 PSI</li> </ul>	
Controller Cable		Non-Polarized Two Core Cable (Minimum 22 AWG)	
Service Connections		<ul> <li>Gas Supply: 3/4 in. (19 mm) NPT</li> <li>Cold Water Inlet: 3/4 in. (19 mm) NPT</li> <li>Hot Water Outlet: 3/4 in. (19 mm) NPT</li> </ul>	
Clearances from Combustibles		<ul> <li>Top: 12 in. (305 mm)</li> <li>Bottom/Ground: 12 in. (305 mm)</li> <li>Front (Panel): 24 in. (610 mm)</li> <li>Back: 0 in.</li> <li>Sides: 6 in. (152 mm)</li> <li>Front (Exhaust): 24 in. (610 mm)</li> </ul>	
Clearances from Non-Combustibles		<ul> <li>Top: 2 in. (51 mm)</li> <li>Bottom/Ground: 2 in. (51 mm)</li> <li>Front (Panel): 24 in. (610 mm)</li> <li>Back: 0 in.</li> <li>Sides: 1/8 in. (3.2 mm)</li> <li>Front (Exhaust): 0 in.*</li> </ul>	

\* Clearance for servicing is 24 in. (610 mm) in front of water heater

<sup>1</sup> 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).
 <sup>2</sup> The maximum gas supply pressure must not exceed the value specified by the manufacturer.

## WATER FLOW CURVE





in. (mm)



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