



RUS75e (REU-KCM2528W-US)

EXTERNAL (OUTDOOR) CONDENSING TANKLESS WATER HEATER

RESIDENTIAL



EASE OF INSTALLATION AND SERVICEABILITY

- Compact Design to Save Space
- Simple Gas Conversion

OPTIONAL ACCESSORIES

Condensate Neutralizer, ScaleCutter, Additional Controllers, Recess Box, Pipe Cover, EZConnect™ Cables, Wireless Accessories, and many more.

Visit rinnai.us for a complete list of accessories.

SUPER HIGH-EFFICIENCY (CONDENSING) TANKLESS WATER HEATER

Installation Type	External (Outdoor) Residential Applications; Certified for installation in Manufactured (Mobile) Homes
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Model Number	RUS75e (REU-KCM2528W-US)
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Approved Gas Types	Natural and Propane
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High Altitude Approved	Up to 5,400 ft. (1,646 m)
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Water Flow Control	Water Flow Sensor, Electronic Water Control and Fixed Bypass Control
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Uniform Energy Factor (UEF)	0.89
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Energy Factor (For Canada)	0.93
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Controller	<ul style="list-style-type: none">• Standard: Status Monitor• Optional: MC-91-2US• Do not install MC-100V-1US, BC-100V-1US, or Control-R™ Wi-Fi Module
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Certifications	AHRI, ANSI Z21.10.3, CSA 4.3, and ENERGY STAR®
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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 Self-Tapping Screws (x2)

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



CERTIFIED TO ANSI Z21.10.3 — CSA 4.3

TECHNICAL SPECIFICATIONS

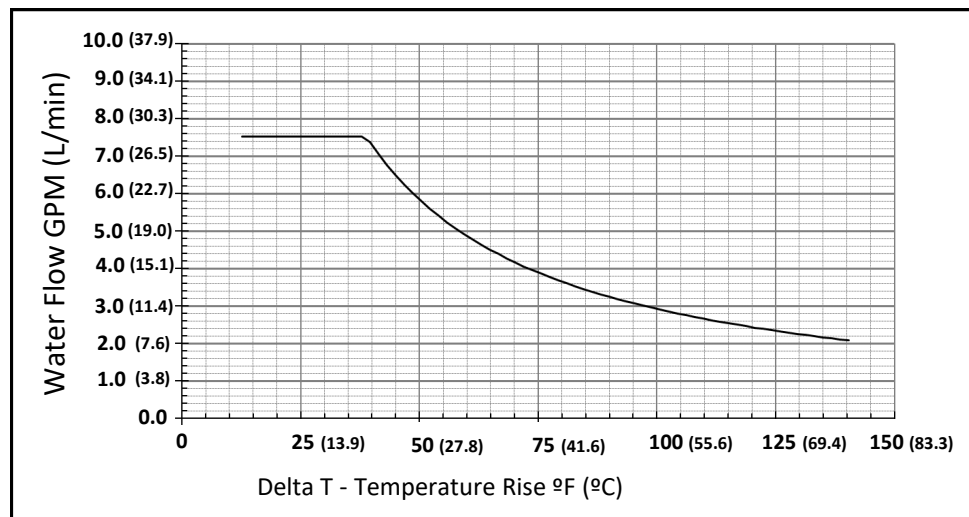
SPECIFICATION		RUS75e
Dimensions - w, h, d		18.3 in. x 28.4 in. x 10.1 in. (466 mm x 721.4 mm x 257 mm)
Minimum Gas Consumption Btu/h		10,300
Maximum Gas Consumption Btu/h		160,000
Flow Rate ¹ (Min - Max)		0.26 - 7.5 GPM (1.0 - 28.4 L/min)
Weight		57.3 lbs. (26kg.)
Sound Level		55 dB
Electrical	Normal	89 W
	Standby	1.3 W
	Freeze Protection	167 W
	Max Current	2.3 Amps
	Fuse	10 Amps
Temperature (with remote)		120°F - 140°F (49°C - 60°C)
Temperature (without remote)		120°F (49°C), 125°F (52°C), 135°F (57°C), 140°F (60°C)
Gas Supply Pressure ²		<ul style="list-style-type: none"> Natural: 4 in. w.c. - 10.5 in. w.c. (2.5 mbar - 26.1 mbar) Propane: 8 in. w.c. - 13.5 in. w.c. (20 mbar - 33.6 mbar)
Ignition System		Direct Electronic Ignition
Electronic Connections		<ul style="list-style-type: none"> Appliance: AC 120 Volts, 60Hz Temperature Controller: DC 12 Volts (Digital)
Water Supply Pressure		<ul style="list-style-type: none"> Minimum: 50 PSI (Recommended 60-80 PSI for max performance) Maximum: 150 PSI
Controller Cable		Non-Polarized Two Core Cable (Minimum 22 AWG)
Service Connections		<ul style="list-style-type: none"> Gas Supply: 3/4 in. NPT Cold Water Inlet: 3/4 in. NPT Hot Water Outlet: 3/4 in. NPT Condensate Drain: 1/2 in. NPT
Clearances from Combustibles		<ul style="list-style-type: none"> Top: 12 in. (305 mm) Bottom/Ground: 12 in. (305 mm) Front (Panel): 24 in. (610 mm) Back: 0 in. Sides: 6 in. (152 mm) Front (Exhaust): 24 in. (610 mm)
Clearances from Non-Combustibles		<ul style="list-style-type: none"> Top: 2 in. (51 mm) Bottom/Ground: 12 in. (305 mm) Front (Panel): 6 in. (152 mm)* Back: 0 in. Sides: 1/2 in. (13 mm) Front (Exhaust): 24 in. (610 mm)

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

¹ 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).

² The maximum gas supply pressure must stay within the ranges listed above.

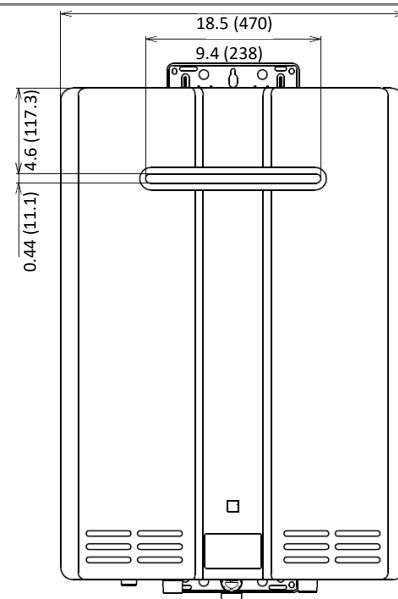
WATER FLOW CURVE



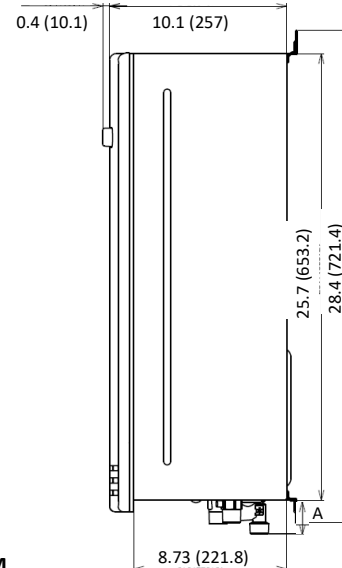
DIMENSIONS

in. (mm)

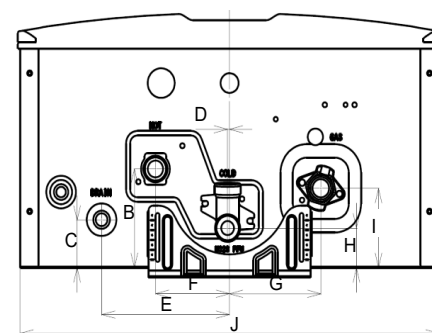
FRONT



SIDE



BOTTOM



DIM	Inches (mm)	DIM	Inches (mm)
A (GAS)	1.3 (33.2)	D	0.09 (2.2)
A (COLD)	1.93 (49)	E	5.6 (142.3)
A (HOT)	1.35 (34.4)	F	3.24 (82.4)
A (CONDENSATE OUTLET)	0.94 (23.9)	G	3.99 (101.4)
B	3.93 (100)	H	1.58 (40.1)
C	1.91 (48.6)	I	3.17 (80.4)
		J	18.3 (466)