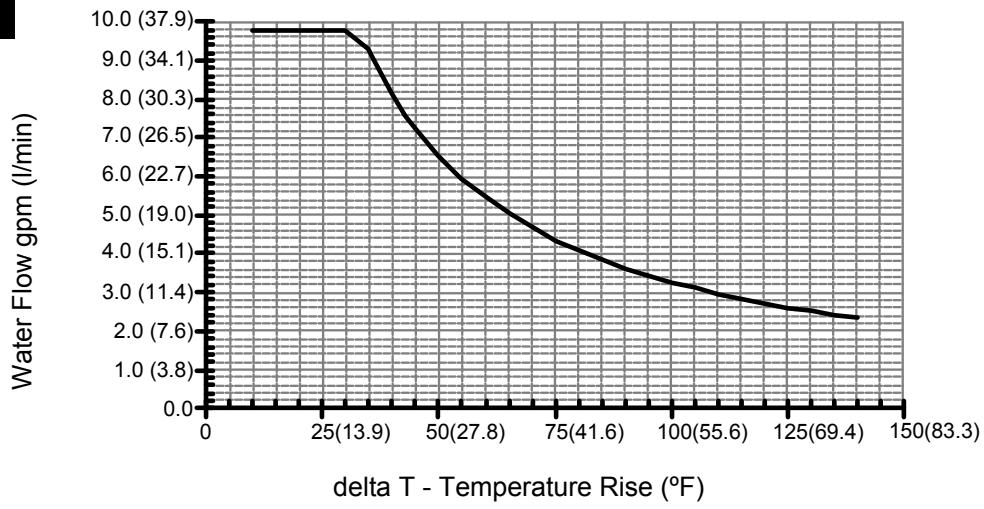
Rinnai V94i (VC2837FFU-US)

Type of Appliance	• Temperature controlled, continuous flow, gas hot water system • Certified for installation in manufactured (mobile) homes • Forced combustion / Direct vent
Rinnai Model Number	REU-VC2837FFU-US
Operation / Installation	Forced combustion; indoor only
Minimum/Maximum Gas Rate (Input)	10,300 - 199,000 BTU/h (3.02-58.3kWh)
Electrical	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
Electrical Consumption	Normal: 97 w Standby: 2 w Anti-frost protection: 120 w
Amperage	Max : 4A Fuse: 10A
Ignition System	Direct electronic ignition
Hot Water Capacity	Minimum flow rate: 0.26 GPM (1 l/min) Minimum activation flow rate: 0.4 GPM (1.5l /min) Maximum flow rate: 9.8 GPM (37.1 l/min)
Temperature	98° - 120°F (37°- 49°C) (factory default) Maximum temperature is selectable at 120°F (49°C) or at 140°F (60°C) ; 98° - 185°F (37°- 85°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)
Installation	Indoor only
Energy Factor	Natural Gas: 0.82 Propane: 0.82
Service Connections	Gas supply: 3/4 inch(19mm) MNPT, Cold water inlet: 3/4 inch(19mm) MNPT Hot water outlet: 3/4 inch(19mm) MNPT
Water Flow Control	Water flow sensor, electronic water control device and by-pass
Minimum/Maximum Water Supply Pressure	20 - 150 PSI (138-1035 KPa) (recommended 30-80 PSI (209 - 552 KPa) for optimal performance)

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to installation.

FLOW TABLE



Low Lead Content NSF/ANSI 372 SANITATION

Rinnai

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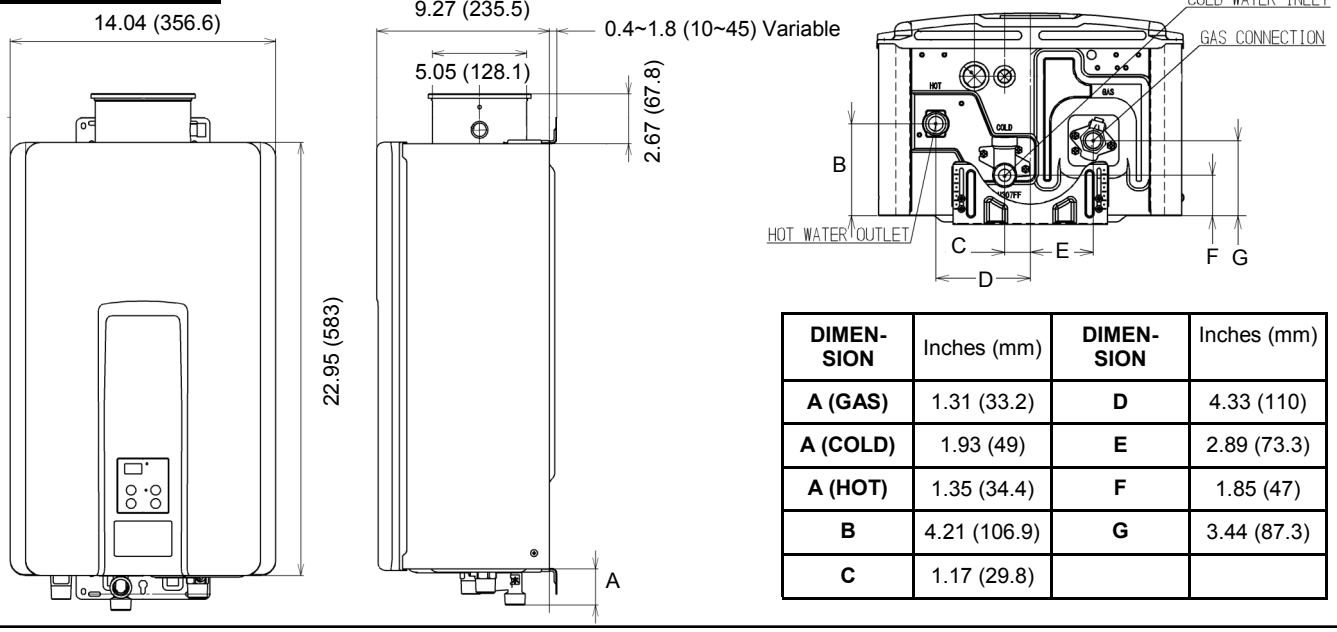
Water Temperature Control	Simulation feed forward and feedback
Controller	MC-91-2US (part of the front panel) Deluxe controller: MC-100V-1US (optional) Bathroom controller: BC-100V-1US (optional) MCC-91-2US (optional; for hydronic and commercial applications)
Controller Cable	Non-polarized two-core cable, minimum 22 AWG
Safety Devices	• Flame failure - Flame Rod • Boiling protection • Combustion fan rpm check • Over current - glass fuse • Remaining flame (OHS) • Thermal fuse • Automatic frost protection
Clearances from Combustibles (suitable for closet, attic, and crawl space installations)	• Top of heater - 6 inches (152mm) • Front of heater - 6 inches (152mm) • Sides of heater - 2 inches (51mm) • Back of heater - 0 inches • Ground / bottom - 12 inches (305mm) • From vent pipe - 0 inches
Clearances from Non-combustibles	• Top of heater - 2 inches (51mm) • Front of heater - 6 inches (152mm) • Sides of heater - 1/2 inch (13mm) • Back of heater - 0 inches • Ground / bottom - 12 inches (305mm) • From vent pipe - 0 inches
Min. / Max. Gas Supply Pressure (sea level)	Natural Gas: min 4" W.C. (10mbar) max 10.5" W.C. (26.1mbar) Propane Gas: min 8" W.C. (20mbar) max 13.5" W.C. (33.6mbar)
Manifold Gas Pressure (inches W.C.)	Natural Gas: high fire 2.9" W.C. (7.22mbar) low fire 0.61" W.C. (1.52mbar) Propane Gas: high fire 4.7" W.C. (11.71mbar) low fire 0.87" W.C. (2.17mbar)
NOx	Complies with South Coast Air Quality Management District 40 ng/J or 55 ppm NOx emission levels

Limited Warranty

Heat exchanger: 10 years* for residential and hydronic applications, increased to 12 years* if installed with an isolation valve kit; All other parts: 5 years*; Labor: 1 year
(* reduced to 3 years if used as a circulating 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 manual for complete warranty information.

DIMENSIONS

WEIGHT: 46.3 lb (21.0 kg)



DIMEN-SION	Inches (mm)	DIMEN-SION	Inches (mm)
A (GAS)	1.31 (33.2)	**D**	4.33 (110)
A (COLD)	1.93 (49)	**E**	2.89 (73.3)
A (HOT)	1.35 (34.4)	**F**	1.85 (47)
B	4.21 (106.9)	**G**	3.44 (87.3)
C	1.17 (29.8)		

Rinnai Corporation • 103 International Drive • Peachtree City, GA 30269 • Toll-Free: 1-800-621-9419 • Fax: 678-364-8643 • www.rinnai.us