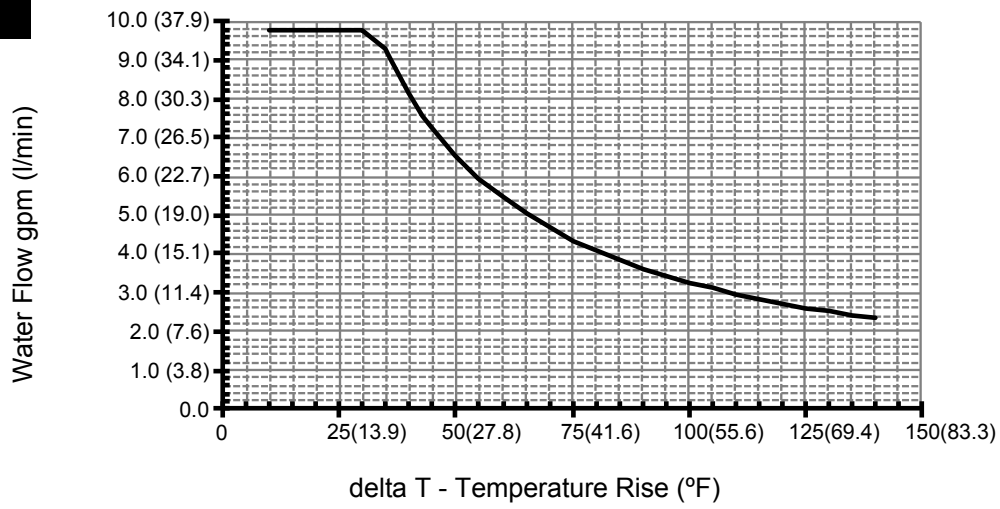
Rinnai RL94e (VC2837WD-US)

Type of Appliance	• Temperature controlled, continuous flow, gas hot water system • Certified for installation in manufactured (mobile) homes • Forced combustion
Rinnai Model Number	REU-VC2837WD-US
Operation / Installation	Forced combustion; outdoor only
Minimum/Maximum Gas Rate (Input)	10,300 - 199,000 BTU/h
Electrical	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
Electrical Consumption	Normal: 65 w Standby: 2 w Anti-frost protection: 104 w
Amperage	Max with pump: 8A Max without pump: 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 commercial and hydronic applications
Temperature (without remote)	120°F (49°C) (factory default) or 140°F (60°C)
Installation	Outdoor only
Uniform Energy Factor (UEF)	0.81
Service Connections	Gas supply: 3/4 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT
Isolation & Pressure Relief Valves Included	Isolation Valves are certified to NSF/ANSI 61 for potable water
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

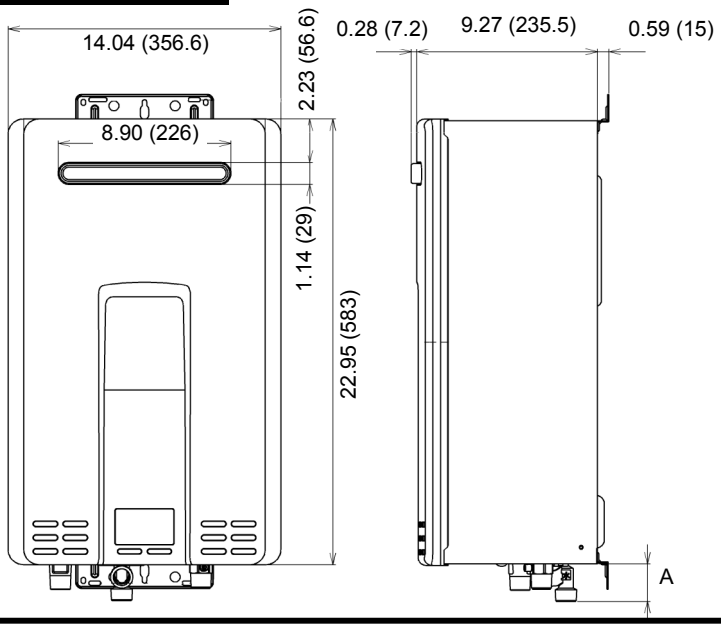
Rinnai RL94e (VC2837WD-US)

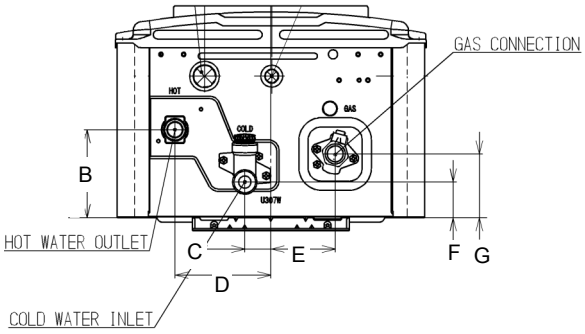
External Recirculation Pump Control	Rinnai Circ-Logic™(Included): Recirculation program cycles external pump
Water Temperature Control	Simulation feed forward and feedback
Controller	MC-91-2US (included) Deluxe controller: MC-100V-1US (optional) Bathroom controller: BC-100V-1US (optional) MCC-91-2US (optional; for hydronic and commercial applications) MC-195T-US (optional; for use with Circ-Logic)
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	• Top of heater - 12 inches(305mm) • Front (Panel) - 24 inches(610mm) • Front (Exhaust) - 24 inches(610mm) • Back of heater - 0 inches • Bottom of heater - 12 inches(305mm) • Sides of heater - 6 inches(152mm)
Clearances from Non-combustibles * 24 inches required for serviceability	• Top of heater - 2 inches(51mm) • Front (Panel) - 0 inches * Front (Exhaust) - 24 inches(610mm) • Back of heater - 0 inches • Bottom of heater - 2 inches(51mm) • Sides of heater - 1/8 inch(3.2mm)
Min. / Max. Gas Supply Pressure	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.) (sea level)	Natural Gas: high fire 2.5" W.C. (6.23mbar) low fire 0.52" W.C. (1.30mbar) Propane Gas: high fire 4.5" W.C. (11.21mbar) low fire 0.80" W.C. (2.00mbar)
NOx	Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx emission levels

Limited Warranty Heat exchanger: 12 years* for residential, 10 years for residential and space heating, and 5 years* for commercial; All other parts: 5 years*; Labor: 1 year;
(* 3 years from date of purchase when used as a recirculating water heater within a hot water recirculation loop, where the water heater is in series with a recirculation system and all recirculating water flows through the water heater, and where an aquastat/thermostat, timer, or an on-demand recirculation system is not incorporated.) Refer to the manual for complete warranty information.

DIMENSIONS

WEIGHT: 44.3 lb (20.1 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**	2.91 (73.8)
A (HOT)	1.35 (34.4)	**F**	1.61 (40.8)
B	3.96 (100.7)	**G**	2.87 (73)
C	1.17 (29.8)		

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