Rinnai

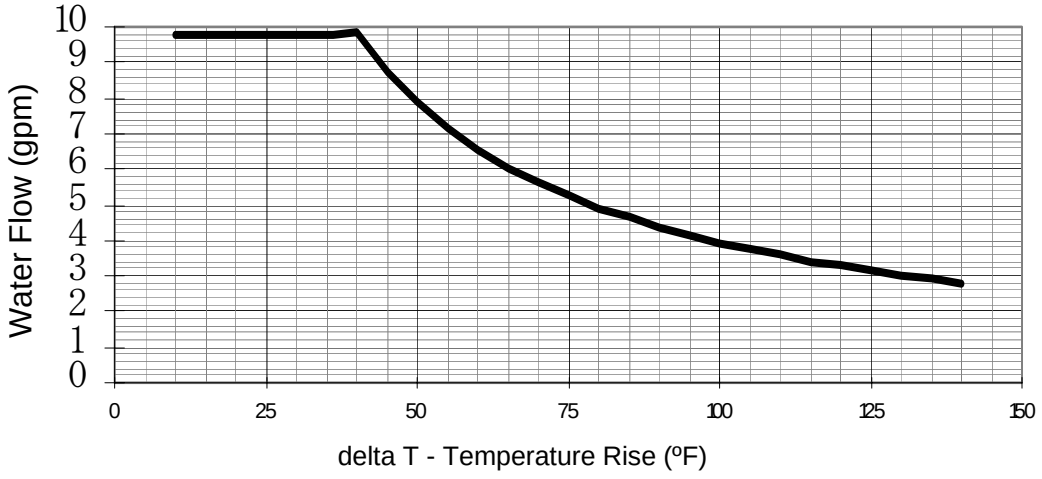
R98LSiASME (VA3237FFU-ASME)

This model has been built in accordance with the requirements of the ASME Boiler and Pressure Vessel Code and has received the Certificate of Authorization from the National Board. The heat exchanger has the NB and the HLW stamps.

Type of Appliance	Temperature controlled, continuous flow, gas hot water system	
Rinnai model number	REU-VA3237FFU-ASME	
Operation / Installation	Forced combustion / Indoor only	
Exhaust system	Direct vent	
Minimum/Maximum Gas Rate (Input)	19,000 - 237,000 BTU/h (Natural Gas or Propane)	
Electrical	Appliance: Remote Control:	AC 120 Volts - 60 Hz DC 12 Volts
Electrical Consumption	Normal Standby Anti-frost protection	99 watts 2 watts 116 watts
Ignition System	Direct electronic ignition	
Hot Water Capacity	0.6 to 7.9 GPM (50° F rise)	0.9 to 9.8 GPM (35° F rise)
Temperature	98° - 140° F (98° - 185° F available with the MCC-91 controller for commercial and hydronic applications)	
Temperature (without remote)	120° F (factory default)	
Approved Gas Types	Natural or Propane (ensure unit matches gas type)	
Thermal Efficiency	Natural Gas: 84%	Propane: 84%
Service Connections	Gas supply: 3/4 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT	
Water Flow Control	Water flow sensor, electronic water control and by-pass control	
Minimum/Maximum Water Supply Pressure	15 - 150 PSI (50 PSI or above is recommended for maximum flow)	

FLOW TABLE

Water Flow Capacity Curve



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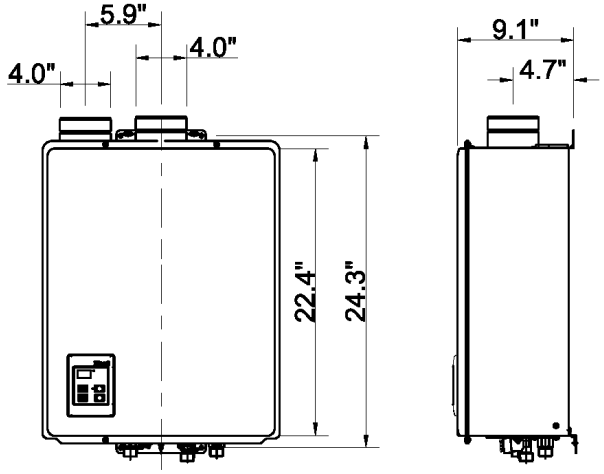
Water Temperature Control	Simulation feed forward and feedback
Controller	MC-91-1US (included) Deluxe controller: MC-100V-1US (optional) Bathroom controller: BC-100V-1US (optional) Wireless controller: MC-502RC-1US-MS (optional) — 98° - 140° F MCC-91-1US (for commercial applications) — 98° - 185° F
Controller 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 (3 amp) • Remaining flame (OHS) • Thermal fuse • Automatic frost protection
Clearances from Combustibles * 24 inches required for serviceability ** see manual for details	• Top of heater - 12 inches • Front of heater - 6 inches * • Sides of heater - 2 inches • Back of heater - 0 inches • Bottom of heater - 12 inches • From vent pipe - 4 inches **
Clearances from Non-combustibles * 24 inches required for serviceability	• Top of heater - 2 inches • Front of heater - 6 inches * • Sides of heater - 1/2 inches • Back of heater - 0 inches • Bottom of heater - 2 inches • From vent pipe - 0 inches
Min. / Max. Gas Supply Pressure	Natural Gas: min 5" W.C. max 10.5" W.C. Propane Gas: min 8" W.C. max 13.5" W.C.
Manifold Gas Pressure (inches W.C.)	Natural Gas: high fire 3.0" W.C. low fire 0.67" W.C. Propane Gas: high fire 3.7" W.C. low fire 0.83" W.C.
NOx	Meets California and Texas NOx Emission Rules
Warranty	Heat exchanger: 12 years* for residential and 5 years* for commercial and hydronic applications; (10 years* if used with the Rinnai Hydronic Air Handler); all other parts 5 years*; labor 1 year; (* 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)

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.

DIMENSIONS



WEIGHT: 55 LBS