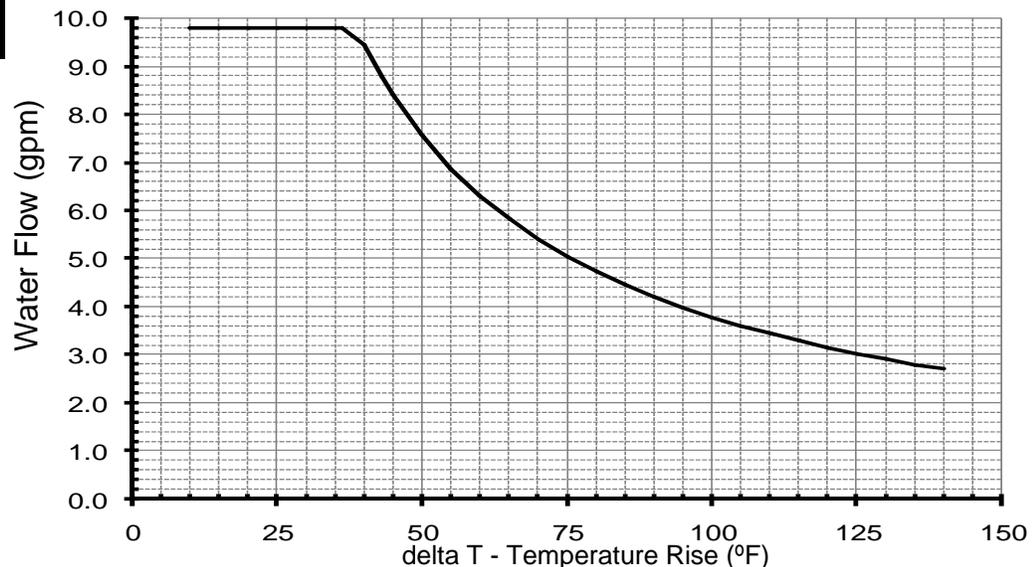


Type of Appliance	Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified
Rinnai model number	REU-KB3237FFUD-US
Operation / Installation	Forced combustion; indoor only
Minimum/Maximum Gas Rate (Input)	15,200 - 199,000 BTU/h
Electrical	Appliance: AC 120 Volts - 60 Hz Temperature Controller: DC 12 Volts
Electrical Consumption	Normal: 64 w Standby: 2 w Anti-frost protection: 146 w
Ignition System	Direct electronic ignition
Hot Water Capacity	Minimum flow rate: 0.26 GPM Minimum activation flow rate: 0.4 GPM Maximum flow rate: 9.8 GPM
Temperature	98° - 120° F (factory default) Maximum temperature is selectable at 120° F or at 140° F; 98° - 185° F available with the MCC-91-2 controller for commercial and hydronic applications
Temperature (without remote)	120° F (factory default) or 140° F
Approved Gas Types	Natural or Propane (ensure unit matches gas type)
Energy Factor (EF)	Natural Gas: 0.95 Propane: 0.95
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	Heavy duty forged brass Webstone Isolator valves EXP E2, certified to NSF/ANSI 61-8 for potable water
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)

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



Controller

MC-91-1US (included)
 Deluxe controller: MC-100V-1US (optional)
 Bathroom controller: BC-100V-1US (optional)
 MCC-91-1US (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

* 24 inches required for serviceability

- Top of heater - 6 inches
- Front of heater - 6 inches *
- Sides of heater - 2 inches
- Back of heater - 0 inches
- Bottom of heater - 12 inches
- From vent pipe - 0 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 - 12 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 3.1" W.C. low fire 0.51" W.C.
 Propane Gas: high fire 3.7" W.C. low fire 0.52" W.C.

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 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, and where an aquastat / thermostat, timer, or an on-demand recirculation system is not incorporated.)
 Refer to the manual for complete warranty information.

