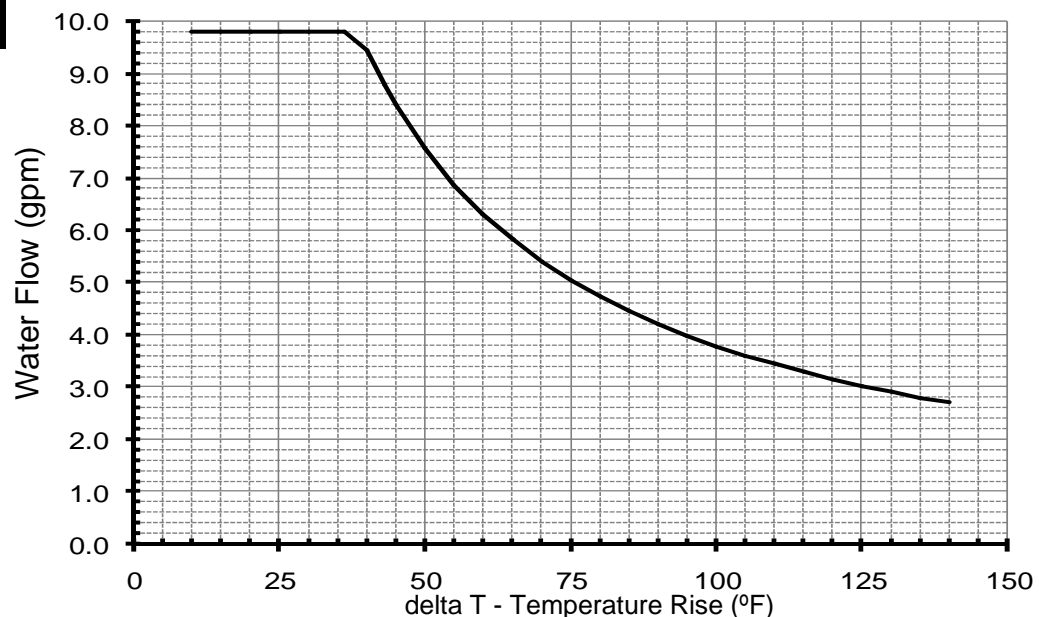


|  |   |
|--|---|
| <b>Type of Appliance</b>                     | Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified  |
| <b>Rinnai model number</b>                   | REU-KA3237FFUD-US   |
| <b>Operation / Installation</b>              | Forced combustion; indoor only  |
| <b>Minimum/Maximum Gas Rate (Input)</b>      | 9,500 (Natural Gas), 10,300 (Propane) - 199,000 BTU/h   |
| <b>Electrical</b>                            | Appliance: AC 120 Volts - 60 Hz<br>Temperature Controller: DC 12 Volts  |
| <b>Electrical Consumption</b>                | Normal 80 watts<br>Standby 2 watts<br>Anti-frost protection 220 watts   |
| <b>Ignition System</b>                       | Direct electronic ignition  |
| <b>Hot Water Capacity</b>                    | 0.4 to 7.6 GPM (50° F rise)    0.4 to 9.8 GPM (35° F rise)  |
| <b>Temperature</b>                           | 98° - 120° F (factory default) Maximum temperature is selectable at 120° F or at 140° F; 98° - 185° F available with the MCC-91 controller for commercial and hydronic applications |
| <b>Temperature (without remote)</b>          | 120° F (factory default)  |
| <b>Approved Gas Types</b>                    | Natural or Propane (ensure unit matches gas type)   |
| <b>Thermal Efficiency</b>                    | Natural Gas: 95%                      Propane: 95%  |
| <b>Energy Factor (EF)</b>                    | Natural Gas: 0.93                      Propane: 0.93  |
| <b>Service Connections</b>                   | Gas supply: 3/4 inch MNPT<br>Cold water inlet: 3/4 inch MNPT<br>Hot water outlet: 3/4 inch MNPT   |
| <b>Water Flow Control</b>                    | Water flow sensor, electronic water control and by-pass control   |
| <b>Minimum/Maximum Water Supply Pressure</b> | 15 - 150 PSI (50 PSI or above is recommended for maximum flow)  |

**FLOW TABLE**



**Controller**

MC-91-1US (included)  
 Deluxe controller: MC-100V-1US (optional)  
 Bathroom controller: BC-100V-1US (optional)  
 MCC-91-1US (for 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 (3 amp)
- Remaining flame (OHS)
- Thermal fuse
- Automatic frost protection

**Clearances from Combustibles**

\* 24 inches required for serviceability

- 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 - 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 - 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 2.3" W.C. low fire 0.75" W.C.  
 Propane Gas: high fire 3.3" W.C. low fire 1.12" 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: 70.5 lb (32 kg)**

| DIM | DESCRIPTION                    | in (mm)        |
|-----|--------------------------------|----------------|
| A   | Width                          | 18.5 (470)     |
| B   | Depth                          | 10.1 (256.9) * |
| C   | Height - Unit                  | 26.4 (670)     |
| D   | Height - with brackets         | 28.5 (723.2)   |
| E   | Hot Water Outlet - from wall   | 3.9 (100) *    |
| F   | Hot Water Outlet - from center | 3.9 (100)      |
| G   | Cold Water Inlet - from wall   | 2.5 (64.6) *   |
| H   | Cold Water Inlet - from center | 1.1 (27.7)     |
| I   | Gas Connection - from wall     | 3.5 (89) *     |
| J   | Gas Connection - from center   | 4.1 (103.2)    |
| K   | From base to gas connection    | 1.6 (40.2)     |
|     | From base to cold connection   | 2.0 (50.2)     |
|     | From base to hot connection    | 1.6 (41.2)     |
| L   | Condensate Dain - from wall    | 4.8 (122.6) *  |
| M   | Condensate Drain - from center | 7.7 (195)      |

\* This is the minimum dimension from the wall. The wall bracket is adjustable to allow an additional 1.57 inches (40)