

RUC90i (KBD2934FFUD

Type of Appliance

Rinnai model number

Operation / Installation

Minimum/Maximum Gas Rate (Input)

Electrical

Electrical Consumption

Amperage

Ignition System

Hot Water Capacity

Temperature

Temperature (without remote)

Approved Gas Types

Energy Factor (EF)

Service Connections

Isolation & Pressure Relief Valves Included

Water Flow Control

Minimum/Maximum Water Supply Pressure

Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified

REU-KBD2934FFUD-US

Forced combustion; indoor only; Certified for installation in

Manufactured (Mobile) Homes

15,200 - 180,000 BTU/h (4.5-52.8 kWh)

Appliance: AC 120 Volts - 60 Hz

Temperature Controller: DC 12 Volts

Normal: 75 w Standby: 2 w Anti-frost protection: 146 w

Max with pump: 8A Max without pump: 4A Fuse: 10A

Direct electronic ignition

Minimum flow rate: 0.26 GPM (1 l/min)

Minimum activation flow rate: 0.4 GPM (1.5 l/min)

Maximum flow rate: 9.0 GPM (29 I/min)

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°-49°C) available with the MCC-91-2 controller for commercial

and hydronic applications

120° F (49°C) (factory default) or 140° F (60°C)

Natural or Propane (ensure unit matches gas type)

Natural Gas: 0.95 Propane: 0.95

Gas supply: 3/4 inch (19mm) MNPT Cold water inlet: 3/4 inch (19mm) MNPT Hot water outlet: 3/4 inch (19mm) MNPT

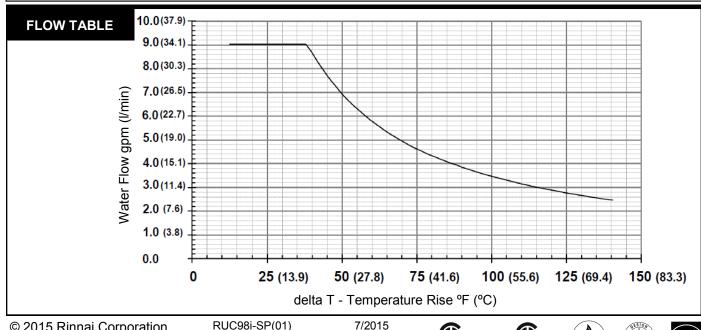
Isolation Valves are certified to NSF/ANSI 61 for potable water

Water flow sensor, electronic water control and by-pass control

20 - 150 PSI (138-1035 KPa) (recommended 60 - 80 PSI (414 - 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.











RUC98i (KBD3237FFUD

External Recirculation Pump Control

Controller

Controller Cable Safety Devices

Clearances from Combustibles

* 24 inches (610mm) required for service

Clearances from Non-combustibles

* 24 inches (610mm) required for service

Min. / Max. Gas Supply Pressure

Manifold Gas Pressure (inches W.C.)

NOx

Venting

Built in Rinnai Circ-Logic™: Recirculation program cycles external pump

MC-91-2US (included)

Deluxe and Bathroom controllers (Optional): MC-100V-1US, BC-100V-1US MCC-91-2US (optional: for hydronic and commercial applications) MC195T-US (optional; for use with Re-Circ Logic)

Non-polarized two-core cable, minimum 22 AWG

- Flame failure Flame Rod
- Boiling protection
- Combustion fan rpm check
- Over current glass fuse
- Top of heater 6 inches (152mm)
- Front of heater 6 inches *(152mm)
- Sides of heater 2 inches (51mm)
- Top of heater 2 inches (51mm)
- Front of heater 6 inches *(152mm)
- Sides of heater 1/2 inches (13mm)

Automatic frost protection

Remaining flame (OHS)

Thermal fuse

- · Back of heater 0 inches
- Bottom of heater 12 inches (305mm)
- From vent pipe 0 inches
- Back of heater 0 inches
- Bottom of heater 12 inches (305mm)
- From vent pipe 0 inches

Natural Gas: min 4" W.C. (2.5mbar) max 10.5" W.C. (26.1mbar) Propane Gas: min 8" W.C. (20mbar) max 13.5" W.C. (33.6mbar)

high fire 2.5" W.C. (7.5mbar) low fire 0.42" W.C. (1.1mbar) Propane Gas: high fire 2.9" W.C. (8.7mbar) low fire 0.47" W.C. (1.2mbar)

Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx emission levels

Direct Vent system designed for use with Ubbink Polypropylene Concentric Vent, Twin Pipe PVC/CPVC (3" and 4" configurations), or Centrotherm 3" Polypropylene (with Centrotherm Twin Pipe Adapter) See installation and operation manual for details regarding installation and allowed vent lengths.

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

WEIGHT: 61.7 lb (28 kg) **DIMENSIONS** CONDENSATE OUTLET COLD WATER INLET 3 HOT WATER OUTLET GAS CONNECTION ø 5.5 (140.2) 5. 5.9 (150) 10.1 (257.7) 02 \cap 0 1.2 (31.2) αi\ С В D CONDENSATE П (523.3)G E 31.2 (791.3) 25.7 (654) 28.5 (723.3) 20.6 Inches (mm) DIM DIM Inches (mm) A (GAS) 1.6 (40.2) Ε 2.2 (56.3) F A (COLD) 2.0 (50.2) 2.3 (58.3) 6 A (HOT) 1.6 (41.2) G 5.0 (127.2) 7. A (CONDENSATE Н 2.0 (50) 2.9 0.9 (22.4) OUTLET) 8 ı 3.0 (76) В 5.0 (127.2) J 7.1 (179) С 1.9 (47.8) Κ 18.3 (466) Α D 0.52 (13.3) 8.7 (222) 2.8 (70.1)