

Type of Appliance

- Temperature controlled, continuous flow, gas hot water system
- Certified for installation in manufactured (mobile) homes
- Forced combustion / Direct vent

Rinnai Model Number

REU-VC2737FFUD-US

Minimum/Maximum Gas Rate (Input)

10,300 - 192,000 BTU/h (3.02-56.3kWh)

Electrical

Appliance: AC 120 Volts - 60 Hz
 Controller: DC 12 Volts

Electrical Consumption

Normal: 97 w Standby: 2 w Anti-frost protection: 120 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

Indoor only

Energy Factor

Natural Gas: 0.82

Service Connections

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

Isolation & Pressure Relief Valves Included

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

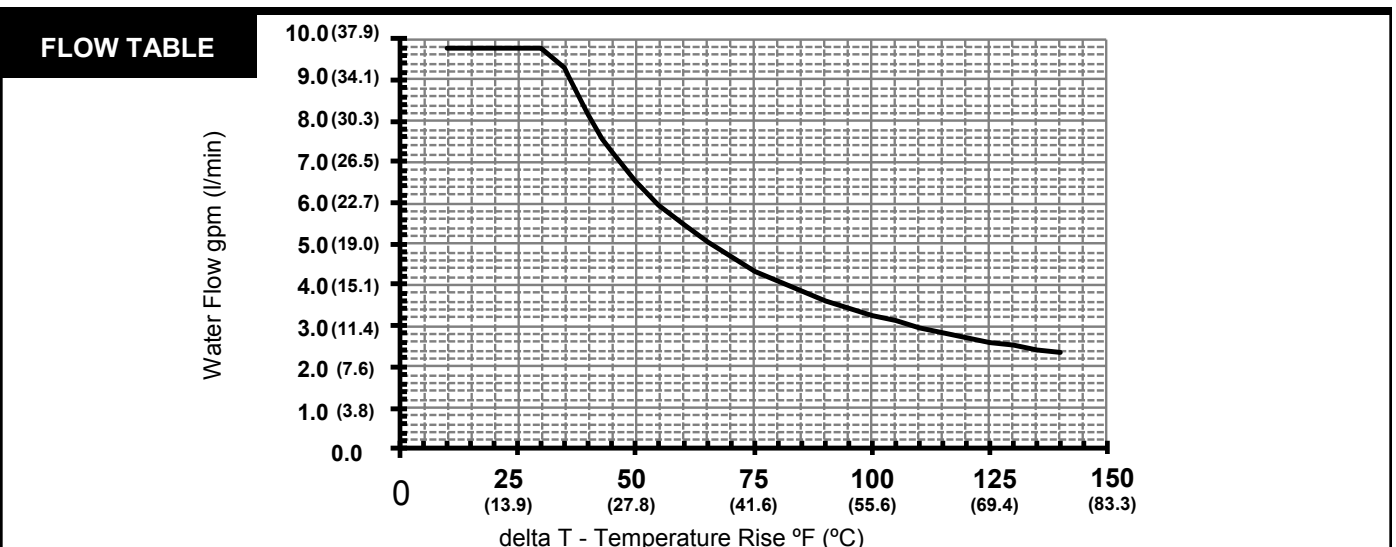
Water Flow Control

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.



**External Recirculation Pump Control
Water Temperature Control**

Controller

Rinnai Circ-Logic™ (Included): Recirculation program cycles external pump
Simulation feed forward and feedback

MC-91-2US (part of the front panel)
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
(suitable for closet, attic, and
crawl space installations)**

- Top of heater - 6 inches (152mm)
- Front of heater - 6 inches (152mm)
- Sides of heater - 2 inches (51mm)
- Back of heater - 0 inches
- Ground / bottom - 12 inches (305mm)
- From vent pipe - 0 inches

Clearances from Non-combustibles

- Top of heater - 2 inches (51mm)
- Front of heater - 6 inches (152mm)
- Sides of heater - 1/2 inch (13mm)
- Back of heater - 0 inches
- Ground / bottom - 12 inches (305mm)
- From vent pipe - 0 inches

**Min. / Max. Gas Supply Pressure
(sea level)**

Natural Gas: min 4" W.C. (2.5mbar) max 10.5" W.C. (26.1mbar)

Manifold Gas Pressure (inches W.C.)

Natural Gas: high fire 2.93" W.C. (7.3mbar) Low fire 0.61" W.C. (1.5mbar)

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: 46.3 lb (21.0 kg)

DIMENSION	Inches (mm)	DIMENSION	Inches (mm)
A (GAS)	1.31 (33.2)	D	4.33 (110)
A (COLD)	1.93 (49)	E	2.89 (73.3)
A (HOT)	1.35 (34.4)	F	1.85 (47)
B	4.21 (106.9)	G	3.44 (87.3)
C	1.17 (29.8)		