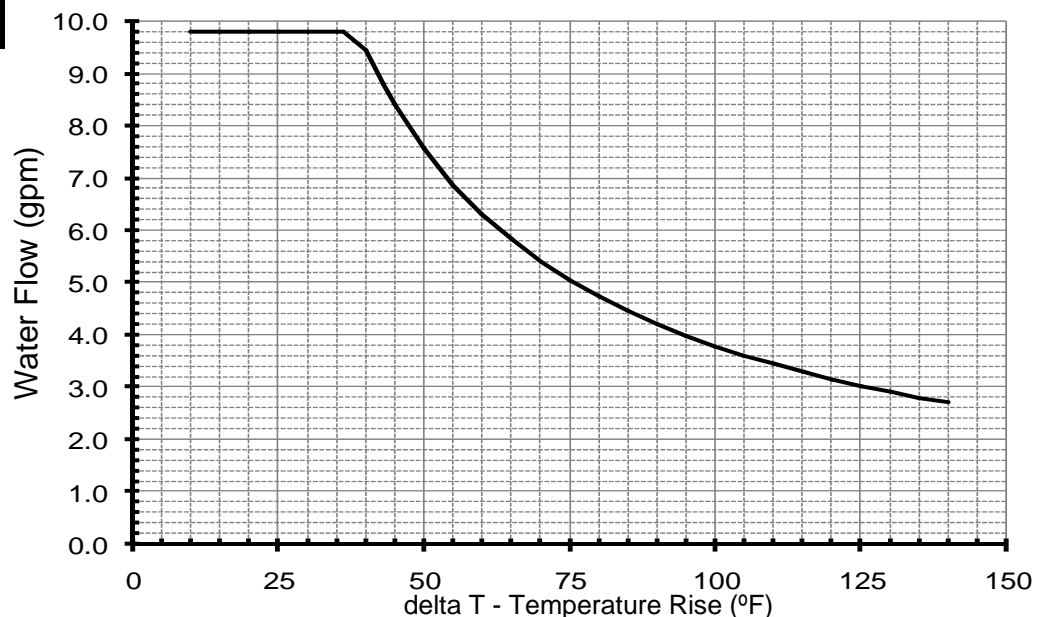


Type of Appliance	Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified
Rinnai model number	REU-KA3237FFUD-US
Operation / Installation	Forced combustion; indoor only
Minimum/Maximum Gas Rate (Input)	10,000 - 199,000 BTU/h (Natural Gas or Propane)
Electrical	Appliance: AC 120 Volts - 60 Hz Temperature Controller: DC 12 Volts
Electrical Consumption	Normal 80 watts Standby 2 watts Anti-frost protection 220 watts
Ignition System	Direct electronic ignition
Hot Water Capacity	0.4 to 7.6 GPM (50° F rise) 0.4 to 9.8 GPM (35° F rise)
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 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: 95% Propane: 95%
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)
Water Temperature Control	Simulation feed forward and feedback

FLOW TABLE



Controller

MC-91-1US (included)
 Deluxe controller: MC-100V-1US (optional)
 Bathroom controller: BC-100V-1US (optional)
 Wireless controller: MC-502RC-1US-MS (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)
<p>* This is the minimum dimension from the wall. The wall bracket is adjustable to allow an additional 1.57 inches (40)</p>			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 Drain - from wall	4.8 (122.6) *
M	Condensate Drain - from center	7.7 (195)			