

Type of Appliance

Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system with built in recirc pump, Energy Star Qualified

Rinnai model number

REU-KBP3237WD-US

Operation / Installation

Forced combustion; outdoor only; Certified for installation in Manufactured (Mobile) Homes

Minimum/Maximum Gas Rate (Input)

15,200 - 199,000 BTU/h (4.5-58.3 kW)

Electrical

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

Electrical Consumption

Normal: 201 w Standby: 3 w Anti-frost protection: 210 w

Amperage

Max: 8A 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 1.5 l/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);

Temperature (without remote)

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

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

Isolation & Pressure Relief Valves Included

Heavy duty forged brass isolation 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

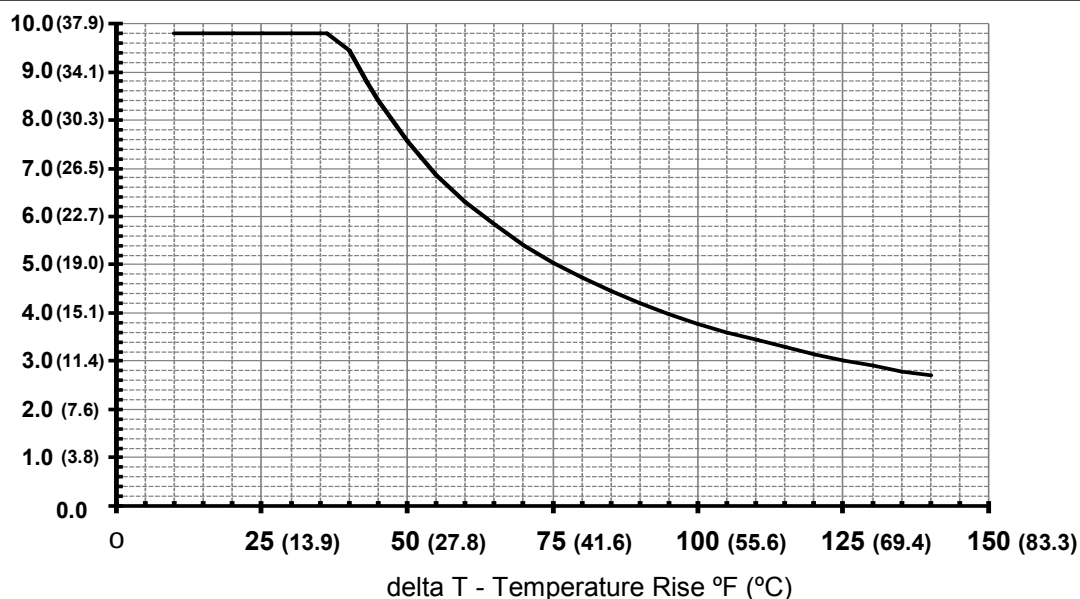
Minimum/Maximum Water Supply Pressure

50 - 150 PSI (345-1035 KPa) (60 - 80 PSI (414 - 552 KPa) 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

Water Flow gpm (l/min)



Internal Recirculation Pump Control

Controller

Maximum Recirculation Pipe Lengths

Controller Cable

Safety Devices

Clearances from Combustibles

* 24 inches (609.6mm) required for service

Clearances from Non-combustibles

* 24 inches (609.6mm) required for service

Min. / Max. Gas Supply Pressure

Manifold Gas Pressure (inches W.C.)

NOx

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

MC-195T-US (included)-Pump Timer Control
MC-91-2US (optional)

Dedicated Return

-Total length includes both hot water supply lines and Dedicated Return line

Cross Over Mode

-Cross over mode requires use of included thermal by-pass valve
-Total length includes both hot water supply and cold water piping length from the tankless to thermal by-pass valve

- 400ft for 3/4" pipe diameter
- 100ft for 1/2" pipe diameter

Non-polarized two-core cable, minimum 22 AWG (Field Supplied)

- Flame failure - Flame Rod
- Boiling protection
- Combustion fan rpm check
- Over current - glass fuse
- Remaining flame (OHS)
- Thermal fuse
- Automatic frost protection
- Top of heater - 6 inches (152.4mm)
- Front of heater - 6 inches *(152.4mm)
- Sides of heater - 2 inches (50.8mm)
- Back of heater - 0 inches
- Bottom of heater - 12 inches (304.8mm)
- From vent pipe - 0 inches
- Top of heater - 2 inches (50.8mm)
- Front of heater - 6 inches *(152.4mm)
- Sides of heater - 1/2 inches (12.7mm)
- Back of heater - 0 inches
- Bottom of heater - 12 inches (304.8mm)
- 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)

Natural Gas: high fire 3.0" W.C. (7.2mbar) low fire 0.41" W.C. (1.0mbar)
Propane Gas: high fire 3.5" W.C. (8.7mbar) low fire 0.46" W.C. (1.2mbar)

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

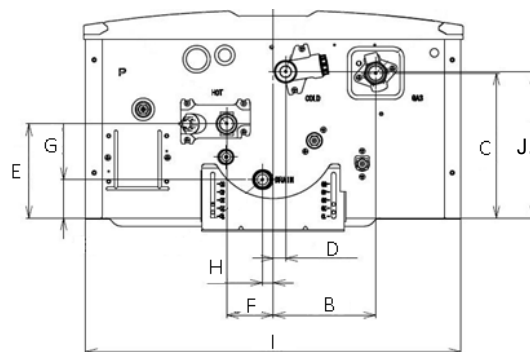
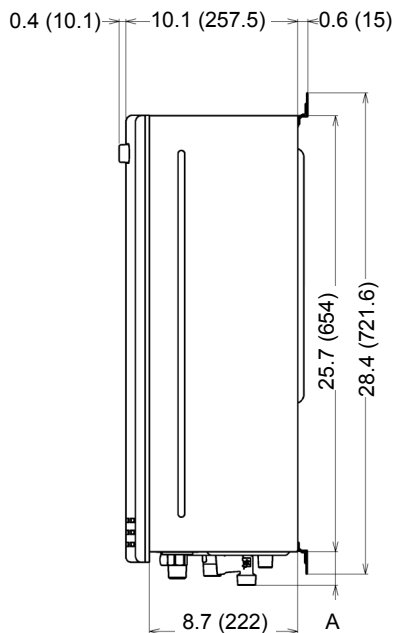
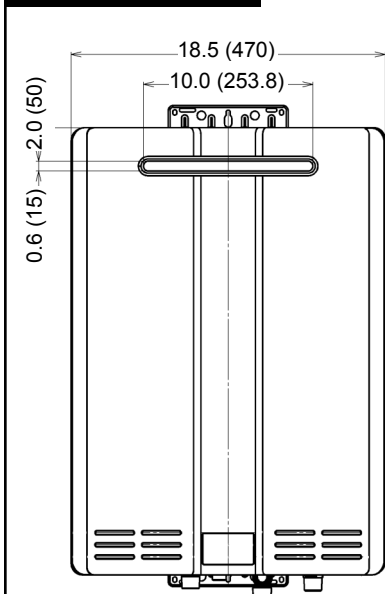
Limited Warranty

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.

DIMENSIONS

WEIGHT: 72.8 lb (33 kg)



DIMENSION	Inches (mm)
A (GAS)	1.6 (40.2)
A (COLD)	2.0 (50.2)
A (HOT)	1.4 (36.4)
B	5.0 (127.2)
C	7.1 (179.7)
D	0.60 (15.3)

DIMENSION	Inches (mm)
E	4.6 (116.8)
F	2.3 (57.7)
G	1.9 (47.8)
H	0.52 (13.3)
I	18.3 (466)
J	7.2 (181.5)