

### Type of Appliance

Condensing Tankless Water Heater with Integrated Recirculation 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 kWh)

### Electrical

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

### Electrical Consumption

Normal: 205 w Standby: 3 w Anti-frost Protection: 150 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

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

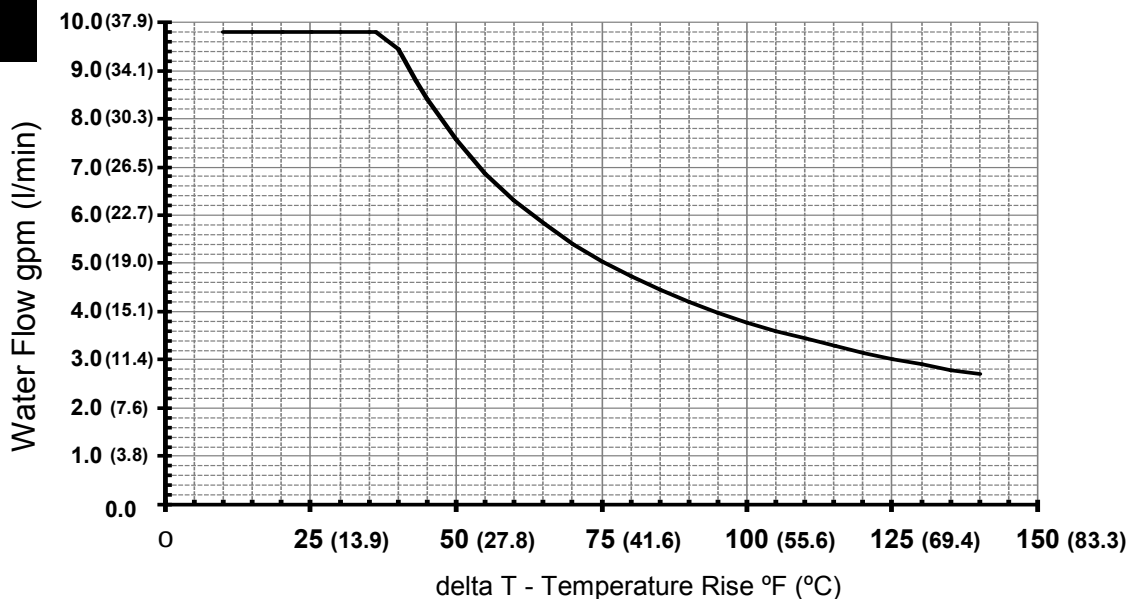
### Water Flow Control

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

### Minimum/Maximum Water Supply Pressure

20 - 150 PSI (138-1035 KPa)  
Recommended 60 - 80 PSI (414 - 552 KPa) for optimal performance

**FLOW TABLE**



### Controller

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

### 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

\* 24 inches (610mm) required for service

- Top of heater - 6 inches (152mm)
- Front of heater - 6 inches\* (152mm)
- Sides of heater - 2 inches (51mm)
- Back of heater - 0 inches
- Bottom of heater - 12 inches (305mm)
- From vent pipe - 0 inches

### Clearances from Non-combustibles

\* 24 inches (610mm) required for service

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

### Min. / Max. Gas Supply Pressure

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)

### Manifold Gas Pressure (inches W.C.)

Natural Gas: High fire 3.0" W.C. (7.5mbar) low fire 0.42" W.C. (1.1mbar)  
Propane Gas: High fire 3.5" W.C. (8.7mbar) low fire 0.47" W.C. (1.2mbar)

### NOx

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

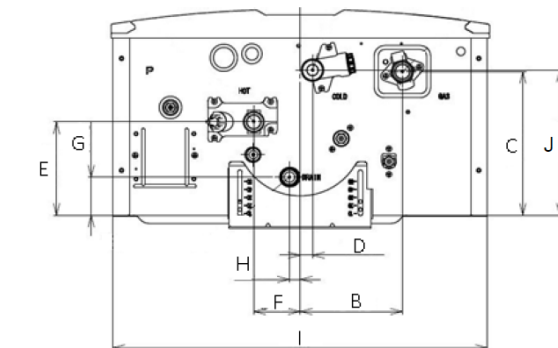
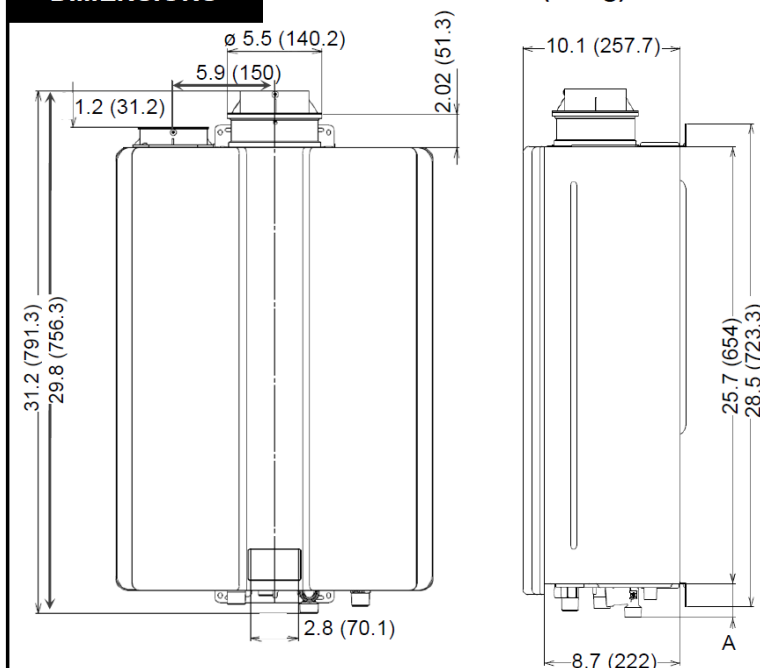
### Limited Warranty

Heat exchanger: 12 years\* for residential, 5 years\* for commercial; All other parts: 5 years\*; Labor: 1 year. There is no warranty coverage on product installed in any hydronic heating applications of any type. Refer to the Installation and Operations Manual for complete warranty information.

\* Three (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.

### 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)

### Internal Recirculation Pump Control Internal Pump

### Maximum Recirculation Pipe Lengths

Built in Rinnai Circ-Logic™: Recirculation program cycles internal pump  
Integrated pump and bypass technology allow for recirculation through a  
dedicated return line or thermal bypass valve

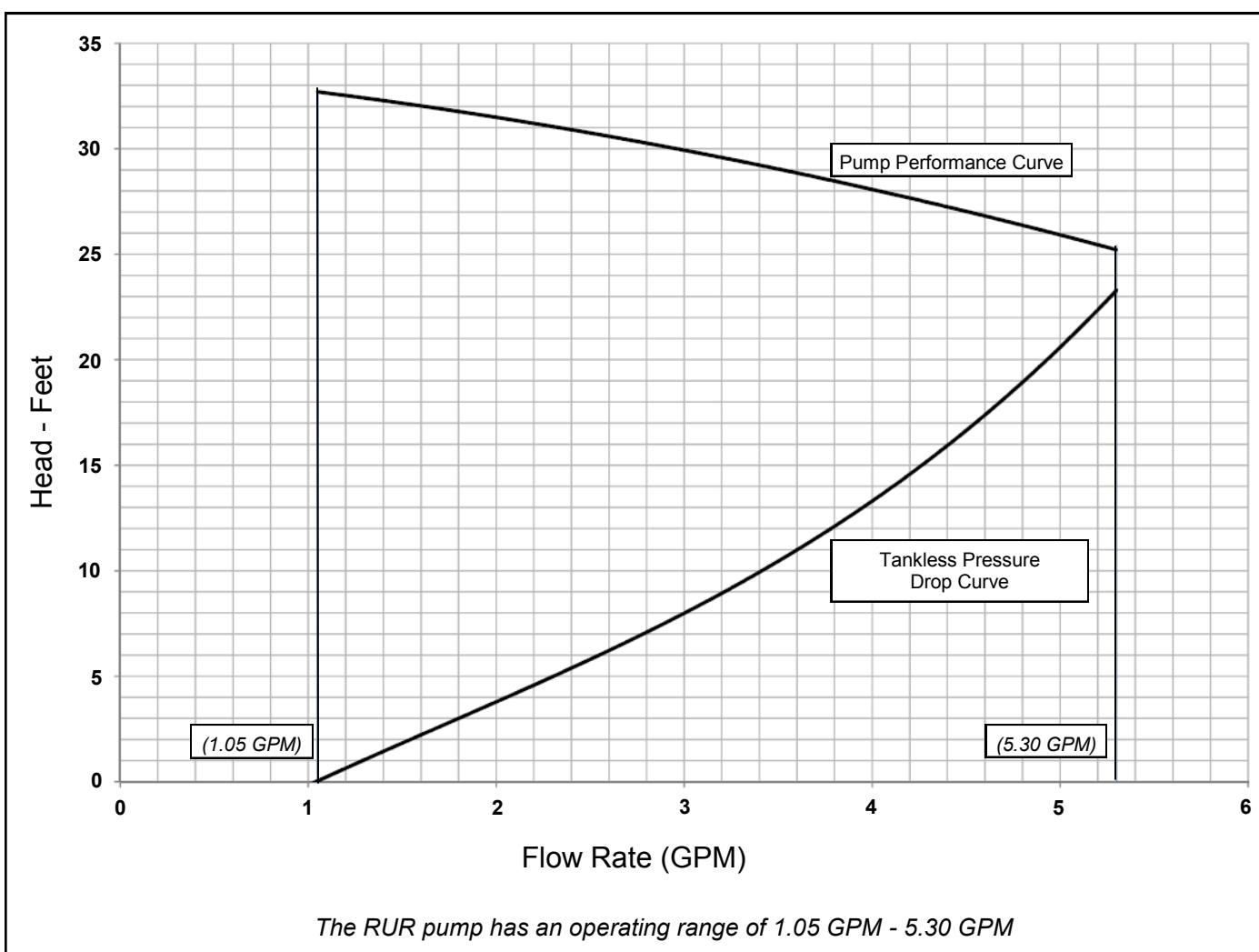
- 400 equivalent feet for 3/4" pipe diameter
- 100 equivalent feet for 1/2" pipe diameter

*Take equivalent elbow lengths into consideration when calculating pipe length.*

**For dedicated return lines:** Total length includes both hot water supply and dedicated return lines.

**Cross-over mode:** Total length includes both hot water supply and cold water piping length from the tankless water heater to the thermal bypass valve. Cross-over mode requires the use of a thermal bypass valve (included).

### RUR Pump Performance and Unit Pressure Drop Curves



*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.*