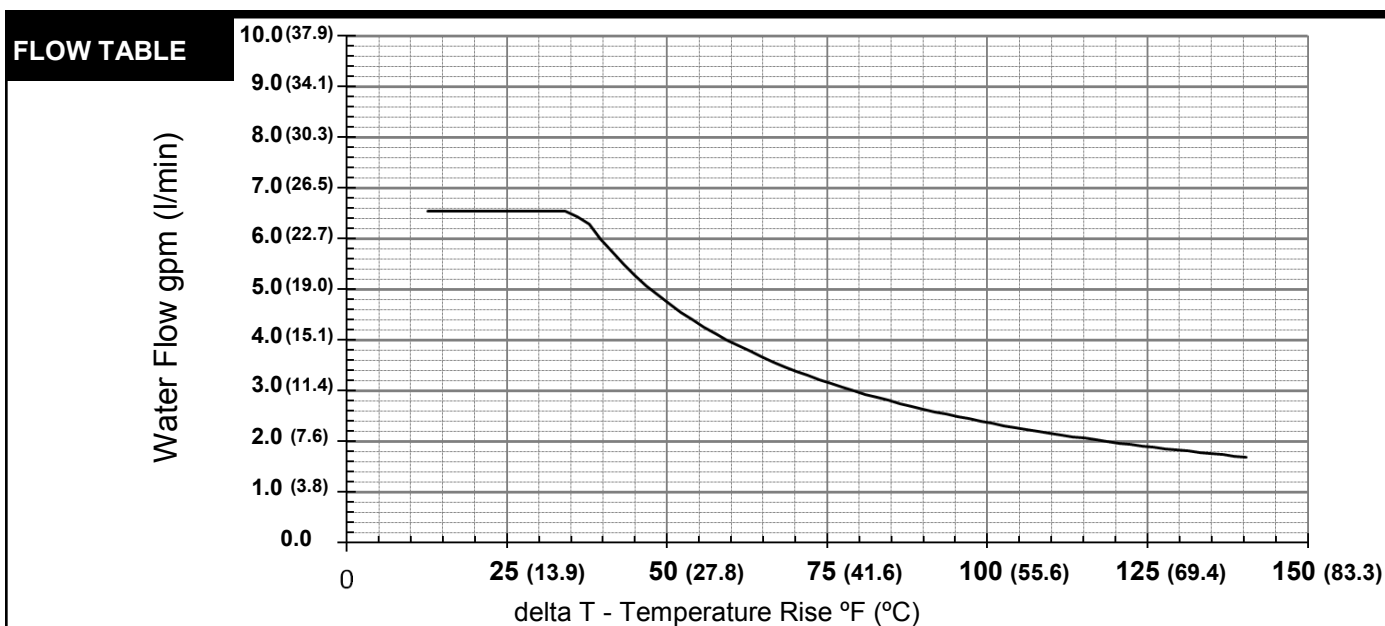


Type of Appliance	Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified
Rinnai model number	REU-KCM2025W-US
Operation / Installation	Forced combustion; outdoor only; Certified for installation in Manufactured (Mobile) Homes
Minimum/Maximum Gas Rate (Input)	10,300 - 130,000 BTU/h
Electrical	Appliance: AC 120 Volts - 60 Hz Temperature Controller: DC 12 Volts
Electrical Consumption	Normal: 61 w Standby: 1.3 w Anti-frost protection: 140 w
Amperage	Max: 2.3A 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 l/min) Maximum flow rate: 6.5 GPM (24.6 l/min)
Temperature (with remote)	120° - 140° F (49° - 60°C)
Temperature (without remote)	120° F (49°C), 125° F (49°C), 135° F (57°C), or 140° F (60°C)
Approved Gas Types	Natural or Propane (ensure unit matches gas type)
Energy Factor (EF)	Natural Gas: 0.93 Propane: 0.93
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
Water Flow Control	Water flow sensor, electronic water control and fixed by-pass
Minimum/Maximum Water Supply Pressure	20 - 150 PSI (138-1035 KPa) (recommended 60 - 80 PSI (414 - 552 KPa) for optimal performance)
High Altitude Capability	Up to 5,400 ft (1646 m) elevation above sea level

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.



Controller (Optional)

MC-91-2US (optional maximum of 4 can be installed)
Do not install MC-100V-1US or BC-100V-1US

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

- Top of heater - 12 inches (305mm)
- Front (Panel) - 24 inches (610mm)
- Front (Exhaust) - 24 inches (610mm)
- Back of heater - 0 inches
- Bottom of heater - 12 inches (305mm)
- Sides of heater - 6 inches (152mm)

Clearances from Non-combustibles

* 24 inches (610mm) required for service

- Top of heater - 2 inches (51mm)
- Front (Panel) - 0 inches *
- Front (Exhaust) - 24 inches (610mm)
- Back of heater - 0 inches
- Bottom of heater - 2 inches (51mm)
- Sides of heater - 1/8 inch (3.2mm)

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 2.02" W.C. (5.0mbar) low fire 0.89" W.C. (2.2mbar)
Propane Gas: high fire 2.32" W.C. (5.8mbar) low fire 0.96" W.C. (2.4mbar)

NOx

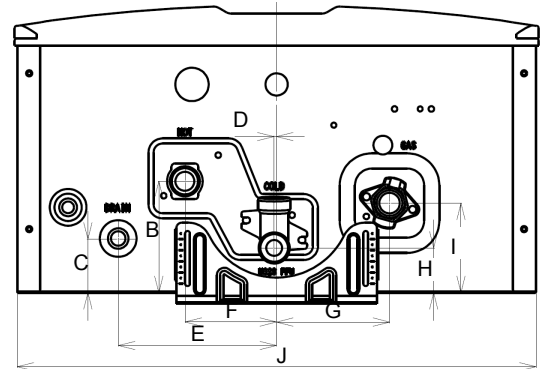
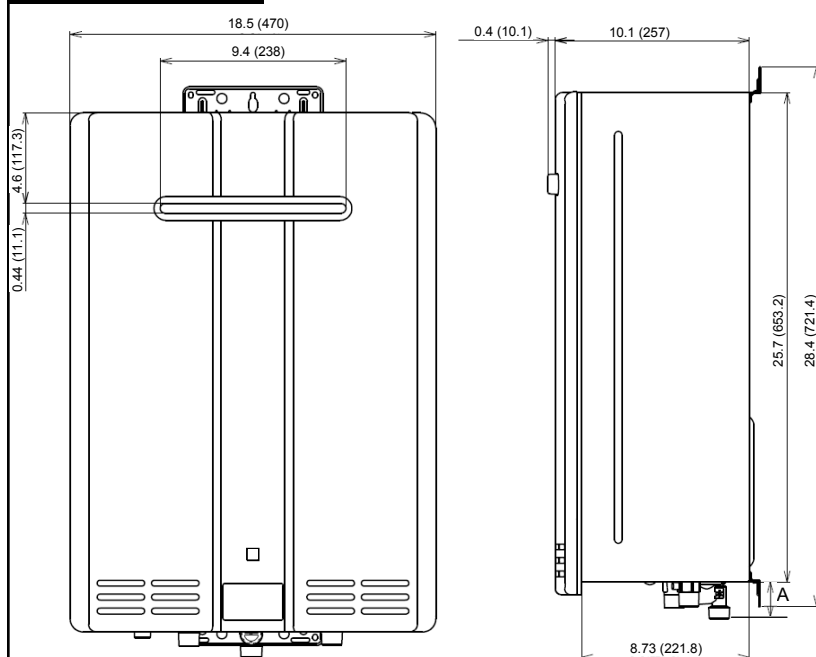
Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx emission levels

Limited Warranty

Heat exchanger: 12 years* for residential, 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: 57.3 lb (26 kg)



DIM	Inches (mm)	DIM	Inches (mm)
A (GAS)	1.3 (33.2)	D	0.09 (2.2)
A (COLD)	1.93 (49)	E	5.6 (142.3)
A (HOT)	1.35 (34.4)	F	3.24 (82.4)
A (CONDENSATE OUTLET)	0.94 (23.9)	G	3.99 (101.4)
B	3.93 (100)	H	1.58 (40.1)
C	1.91 (48.6)	I	3.17 (80.4)
		J	18.3 (466)