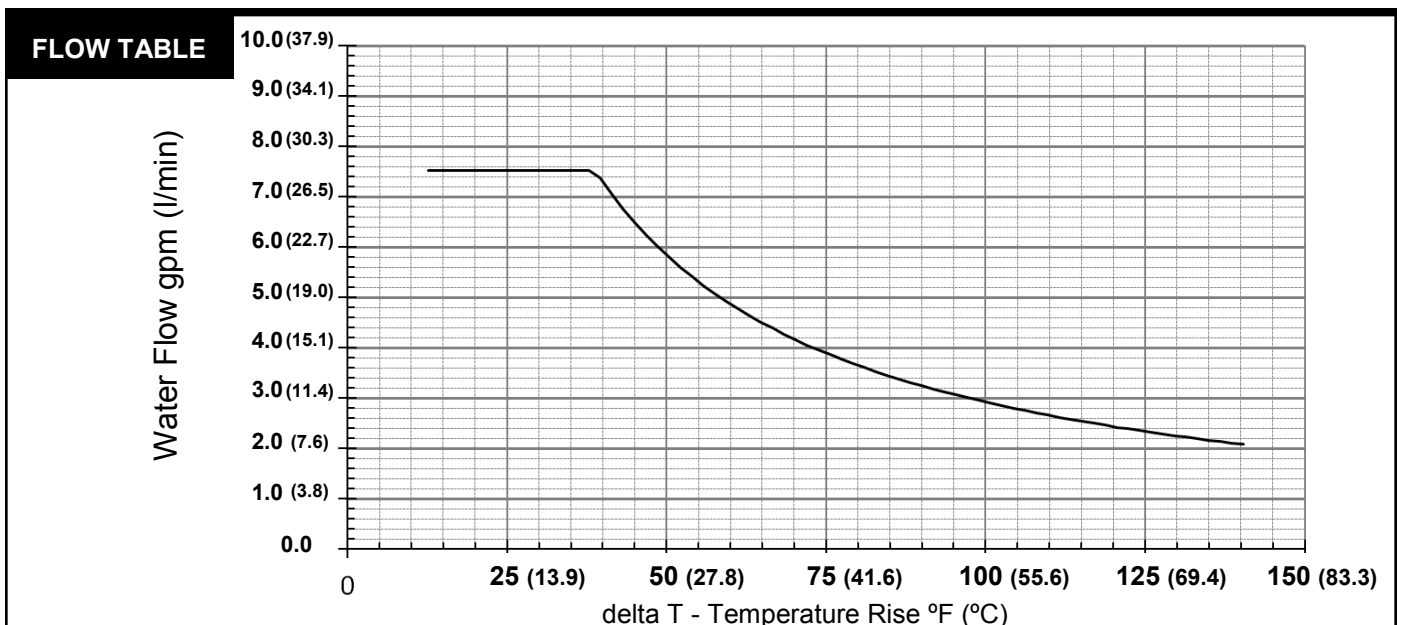


Type of Appliance	Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified
Rinnai model number	REU-KCM2528FFU-US
Operation / Installation	Forced combustion; indoor only; Certified for installation in Manufactured (Mobile) Homes
Minimum/Maximum Gas Rate (Input)	10,300 - 160,000 BTU/h
Electrical	Appliance: AC 120 Volts - 60 Hz Temperature Controller: DC 12 Volts
Electrical Consumption	Normal: 89 w Standby: 1.3 w Anti-frost protection: 167 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 (1.5 l/min) Maximum flow rate: 7.5 GPM (28.4 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)

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

* 24 inches (609.6mm) required for service

- 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

Clearances from Non-combustibles

* 24 inches (609.6mm) required for service

- 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

Min. / Max. Gas Supply Pressure

Natural Gas: min 4" 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 3.37" W.C. low fire 1.00" W.C.
Propane Gas: high fire 3.75" W.C. low fire 1.08" W.C.

NOx

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

Venting

Direct Vent system designed for use with Ubbink Polypropylene Concentric Vent, Twin Pipe PVC/CPVC (3" and 4" configurations), or Centrotherm 3" Polypropylene (with Centrotherm Twin Pipe Adapter) [See installation and operation manual for details regarding installation and allowed vent lengths.](#)

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.

