City of Industry, CA Houston, TX Edison, NJ 1.866.827.4664 1.866.690.0111 1.866.421.7220

Type of Appliance

Thunder Group model number
Operation / Installation
Minimum/Maximum Gas Rate (Input)
Electrical

Electrical Consumption Ignition System Hot Water Capacity

**Temperature** 

Temperature (without remote)
Approved Gas Types
Energy Factor (EF)
Service Connections

**Water Flow Control** 

Isolation & Pressure Relief Valves Included

Minimum/Maximum Water Supply Pressure

Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified

RC98iL (Propane); RC98iN (Natural Gas)

Forced combustion; indoor only

9,500 (Natural Gas), 10,300 (Propane) - 199,000 BTU/h Appliance: AC 120 Volts - 60 Hz

Temperature Controller: DC 12 Volts

Normal: 80 w Standby: 2 w Anti-frost protection: 220 w

Direct electronic ignition

Minimum flow rate: 0.26 GPM

Minimum activation flow rate: 0.4 GPM

Maximum flow rate: 9.8 GPM

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

120° F (factory default) or 140° F

Natural or Propane (ensure unit matches gas type)

Natural Gas: 0.94 Propane: 0.94

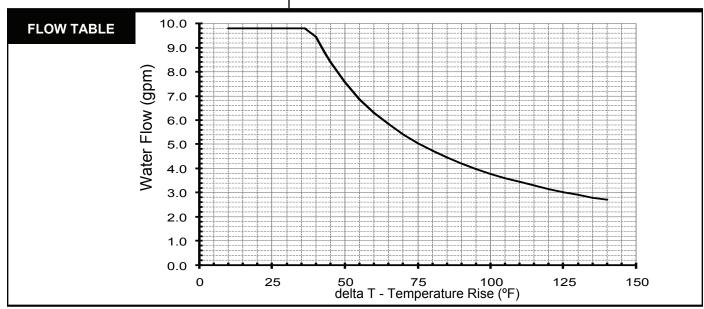
Gas supply: 3/4 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT

Heavy duty forged brass Webstone Isolator valves EXP E2, certified

to NSF/ANSI 61-8 for potable water

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

15 - 150 PSI (50 PSI or above is recommended for maximum flow)















City of Industry, CA Houston, TX Edison, NJ

? Remaining flame (OHS)

? Automatic frost protection

? Back of heater - 0 inches

? From vent pipe - 0 inches

? Back of heater - 0 inches

? From vent pipe - 0 inches

? Bottom of heater - 12 inches

? Bottom of heater - 12 inches

? Thermal fuse

1.866.827.4664 1.866.690.0111 1.866.421.7220

Controller

Controller Cable Safety Devices

## **Clearances from Combustibles**

\* 24 inches required for serviceability

## **Clearances from Non-combustibles**

\* 24 inches required for serviceability

Min. / Max. Gas Supply Pressure

Manifold Gas Pressure (inches W.C.)

NOx

Warranty

MC-91-1US (included)

Deluxe controller: MC-100V-1US (optional) Bathroom controller: BC-100V-1US (optional) MCC-91-1US (for commercial applications)

Non-polarized two-core cable, minimum 22 AWG

? Flame failure - Flame Rod

? Boiling protection

? Combustion fan rpm check

? Over current - glass fuse (3 amp)

? Top of heater - 6 inches? Front of heater - 6 inches \*

? Sides of heater - 2 inches

? Top of heater - 2 inches

? Front of heater - 6 inches \*

? Sides of heater - 1/2 inches

Natural Gas: min 5" W.C. max 10.5" W.C. Propane Gas: min 8" W.C. max 13.5" 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.

Meets California and Texas NOx Emission Rules

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, all circulating water flows through the water heater and without an on-demand recirculation system). Refer to the manual for complete warranty information.

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.

