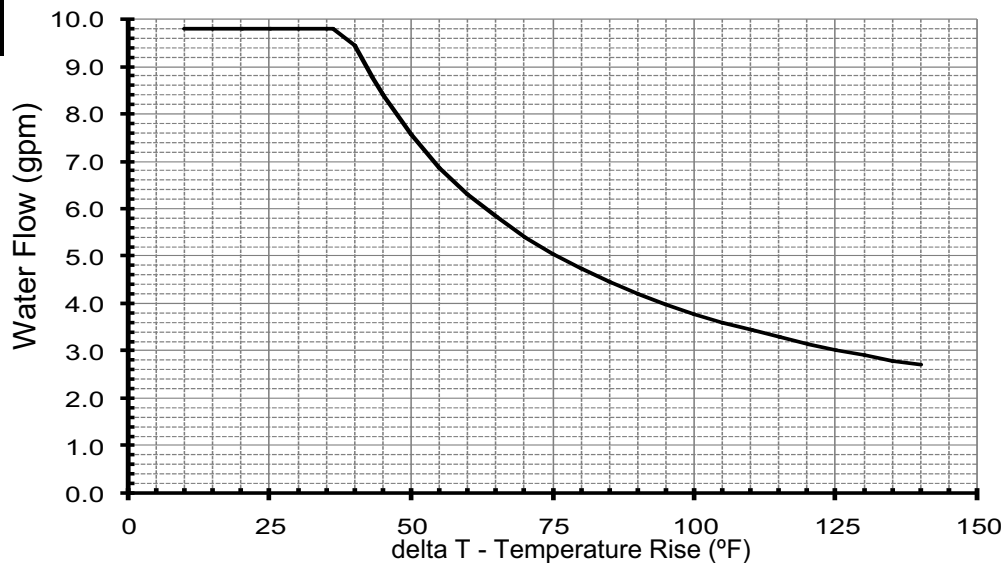




RC98E

Type of Appliance	Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified
Thunder Group model number	RC98EN (Natural Gas) / RC98EL (Propane)
Operation / Installation	Forced combustion; outdoor only
Minimum/Maximum Gas Rate (Input)	9,500 (Natural Gas), 10,300 (Propane) - 199,000 BTU/h
Electrical	Appliance: AC 120 Volts - 60 Hz Temperature Controller: DC 12 Volts
Electrical Consumption	Normal: 59 w Standby: 2 w Anti-frost protection: 172 w
Ignition System	Direct electronic ignition
Hot Water Capacity	Minimum flow rate: 0.26 GPM Minimum activation flow rate: 0.4 GPM Maximum flow rate: 9.8 GPM
Temperature	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
Temperature (without remote)	120° F (factory default) or 140° F
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 MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT
Isolation & Pressure Relief Valves Included	Heavy duty forged brass Webstone Isolator 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	15 - 150 PSI (50 PSI or above is recommended for maximum flow)

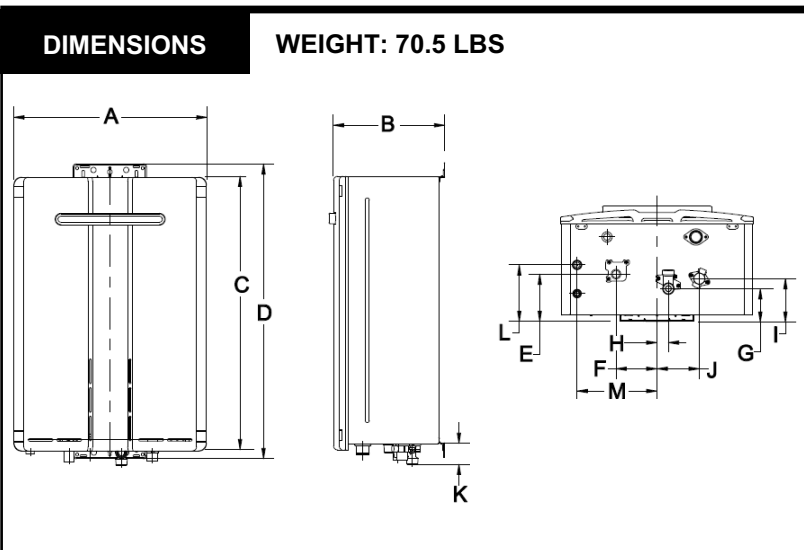
FLOW TABLE



RC98E

Controller	MC-91-1US (included) Deluxe controller: MC-100V-1US (optional) Bathroom controller: BC-100V-1US (optional) MCC-91-1US (for commercial applications)
Controller Cable	Non-polarized two-core cable, minimum 22 AWG
Safety Devices	<ul style="list-style-type: none"> • Flame failure - Flame Rod • Boiling protection • Combustion fan rpm check • Over current - glass fuse (3 amp) • Remaining flame (OHS) • Thermal fuse • Automatic frost protection
Clearances from Combustibles	<ul style="list-style-type: none"> • Top of heater - 12 inches • Front (Panel) - 24 inches • Front (Exhaust) - 24 inches • Back of heater - 0 inches • Bottom of heater - 12 inches • Sides of heater - 6 inches
Clearances from Non-combustibles	<ul style="list-style-type: none"> • Top of heater - 2 inches • Front (Panel) - 0 inches * • Front (Exhaust) - 24 inches • Back of heater - 0 inches • Bottom of heater - 2 inches • Sides of heater - 1/8 inch
Min. / Max. Gas Supply Pressure	Natural Gas: min 5" 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 2.2" W.C. low fire 0.63" W.C. Propane Gas: high fire 3.1" W.C. low fire 1.00" W.C.
NOx	Meets California and Texas NOx Emission Rules
Warranty	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.

DIMENSIONS		WEIGHT: 70.5 LBS	DIM	DESCRIPTION	in (mm)
			A	Width	18.5 (470)
			B	Depth	10.7 (271.9)
			C	Height - Unit	26.4 (670)
			D	Height - with brackets	28.4 (721.6)
			E	Hot Water Outlet - from wall	3.9 (100)
			F	Hot Water Outlet - from center	3.9 (100)
			G	Cold Water Inlet - from wall	2.5 (64.6)
			H	Cold Water Inlet - from center	1.1 (27.7)
			I	Gas Connection - from wall	3.5 (89)
			J	Gas Connection - from center	4.1 (103.2)
			K	From base to gas connection	1.6 (40.2)
			K	From base to cold connection	2.0 (50.2)
			K	From base to hot connection	1.6 (41.2)
			L	Condensate Dain - from wall	4.8 (122.6)
			M	Condensate Drain - from center	7.7 (195)