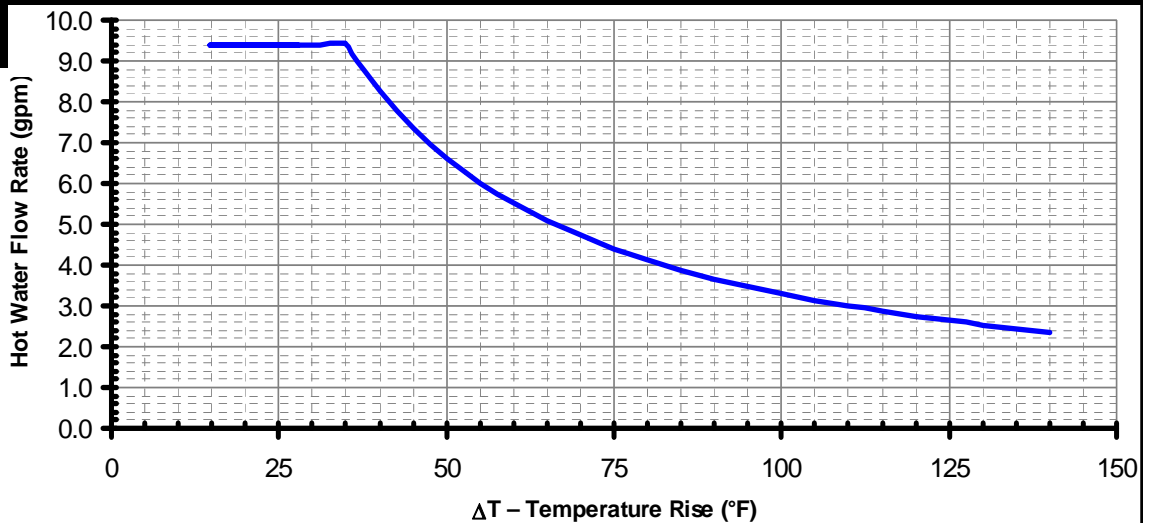




J-SN199W J-SP199W

Type of Appliance	<ul style="list-style-type: none"> • Temperature controlled, continuous flow, gas hot water system • Certified for installation in manufactured (mobile) homes • Forced combustion • Energy Star qualified
Model Number	J-SN199W Natural Gas J-SP199W Propane
Minimum/Maximum Gas Rate (Input)	9,900 - 199,000 BTU/h (Natural Gas) 10,300 - 199,000 BTU/h (Propane)
Electrical	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
Electrical Consumption	Normal: 49 w Standby: 2 w Anti-frost protection: 104 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: 9.4 GPM
Temperature	98° - 120° F (factory default) Maximum temperature is selectable at 120° F or at 140° F
Temperature (without remote)	120° F (factory default) or 140° F
Installation	Outdoor only
Energy Factor	Natural Gas: 0.82 Propane: 0.82
Service Connections	Gas supply: 3/4 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT
Water Flow Control	Water flow sensor, electronic water control device and by-pass
Minimum/Maximum Water Supply Pressure	20 - 150 PSI (recommended 30-80 PSI for maximum performance)

FLOW TABLE





J-SN199W J-SP199W

Water Temperature Control

Controller

Controller Cable

Safety Devices

Clearances from Combustibles

Clearances from Non-combustibles

* 24 inches required for serviceability

Min. / Max. Gas Supply Pressure

Manifold Gas Pressure (inches W.C.)
(sea level)

NOx

Warranty

Simulation feed forward and feedback

J-C100 (included)

Auto Bath Fill Controller: J-C200 (optional)

Non-polarized two-core cable, minimum 22 AWG

- Flame failure - Flame Rod
- Boiling protection
- Combustion fan rpm check
- Over current - glass fuse
- Remaining flame (OHS)
- Thermal fuse
- Automatic frost protection

- Top of heater - 12 inches
- Front (Panel) - 24 inches
- Front (Exhaust) - 24 inches
- Back of heater - 0 inches
- Ground / bottom - 12 inches
- Sides of heater - 6 inches

- Top of heater - 2 inches
- Front (Panel) - 0 inches *
- Front (Exhaust) - 24 inches
- Back of heater - 0 inches
- Ground / bottom - 2 inches
- Sides of heater - 1/8 inch

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 2.8" W.C. low fire 0.44" W.C.
Propane Gas: high fire 5.0" W.C. low fire 0.93" W.C.

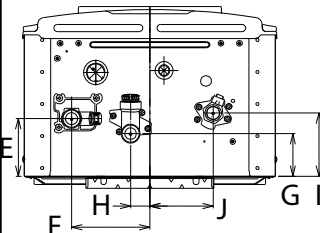
Meets California and Texas NOx Emission Rules (40 ng/J; 55 ppm)

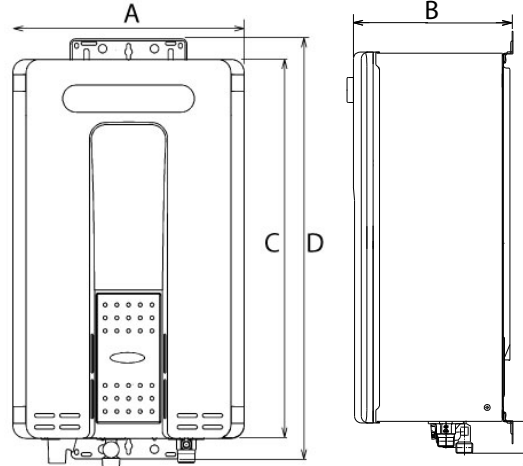
Heat exchanger: 12 years* for residential and 5 years* for commercial applications; all other parts 5 years*; labor 1 year; (* 3 years if used as a circulating water heater within a circulation loop, when the water heater is in series with a circulation system and all circulating water flows through the water heater)
Refer to the manual for the complete warranty.

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: 51 LBS (23 KG)





DIM	DESCRIPTION	in (mm)
A	Width	14 (355.6)
B	Depth	9.9 (251.1)
C	Height - Unit	22.9 (582)
D	Distance between mounting holes	25.0 (634.2)
E	Hot Water Outlet - from wall	3.8 (97.6)
F	Hot Water Outlet - from center	4.3 (110)
G	Cold Water Inlet - from wall	3.0 (76.6)
H	Cold Water Inlet - from center	1.1 (27)
I	Gas Connection - from wall	4.2 (105.6)
J	Gas Connection - from center	3.5 (89)
	From base to gas connection	1.6 (40)
K	From base to cold connection	2.0 (50)
	From base to hot connection	1.6 (41)