## Rinnai.

## RH180 Hybrid Tank-Tankless Water Heater

Type of Appliance

Rinnai Model Number

**Operation / Exhaust System** 

Minimum/Maximum Gas Rate (Input)

**Applicable Altitude Range** 

Venting

**Combustion Air** 

**First Hour Rating** 

**Storage Tank Volume** 

Recovery (90° Rise)

**Electrical** 

**Electrical Consumption** 

**Amperage Draw** 

**Fuse** 

**Noise Level** 

**Ignition System** 

**Temperature Controller** 

**Temperature Settings** 

**Water Temperature Control** 

**Approved Gas Types** 

Installation

**Thermal Efficiency Rating** 

**Service Connections** 

**Water Flow Control** 

Automatic Circulating Tank Water Heater

RH180 (REU-VA1320WF-US)

Fan assist / negative pressure

59,500 - 91,300 BTU/h (Natural Gas) 47,600 - 87,300 BTU/h (Propane)

0 - 5400 ft (0 - 1646 m)

4" UL listed type B-vent

Indoor

180 gallons / hour

40 gallons

89 gallons / hour

AC 120 Volts - 60 Hz, supplied with 6 foot plug-in power cord

Standby 3.0 watts Operation 150 watts

2 Amps

5 Amp

50 dB

Direct electronic ignition

Integrated into front cover

110 °F (43 °C), 120 °F (49 °C), 130 °F (54 °C),

135 °F (57 °C), 140 °F (60 °C),

Simulation feed forward and feedback

Natural or Propane (ensure unit matches gas type)

Indoor only

80%

Gas supply: 1/2 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT

Water flow sensor, electronic water control

20 - 150 PSI (recommended 30-50 PSI for maximum 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.





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## RH180 (VA1320WF)

**Safety Devices** 

**Clearances from Combustibles and Non-combustibles** 

Min. / Max. Gas Supply Pressure

Manifold Gas Pressure (inches W.C.)

Warranty — Residential

Warranty — Commercial

Warranty — Combination Space Heating/ Domestic Hot Water

- Flame failure Flame Rod
- · Combustion fan rpm check
- Over current glass fuse (5 amp)
- Top of heater 12 inches
- Front of heater 4 inches
- Sides of heater 0 inches

Natural Gas: min 4" W.C. Propane Gas: min 8" W.C.

Natural Gas: high fire 2.6" W.C. Propane Gas: high fire 2.78" W.C.

Remaining flame (OHS)

Thermal fuse

Boiling protection

· Back of heater - 0 inches

Bottom of heater - 0 inches

max 10.5" W.C. max 13.5" W.C.

low fire 2.46" W.C. low fire 1.90" W.C.

Reasonable labor: 1 year Parts: 3 years Heat Exchanger: 10 years\*

Tank: 6 years\* (see the manual for further details)

Reasonable labor: 1 year Parts: 3 years Heat Exchanger: 5 years\*\*

Tank: 1 years (see the manual for further details)

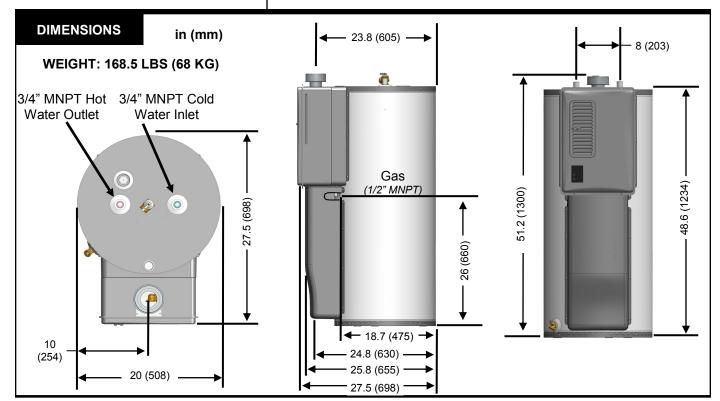
Reasonable labor: 1 year Parts: 3 years Heat Exchanger: 3 years

Tank: 1 years (see the manual for further details)

\* 3 years on heat exchanger and 1 year on tank if used as a recirculating water heater within a hot water recirculation loop, when the water heater is in series with a recirculation system and all recirculating water flows through the water heater, and where an on-demand recirculation system is not incorporated.

\*\* 3 Years on heat exchanger for any commercial applications incorporating any type of recirculation.

Warranty years are based from date of purchase.



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