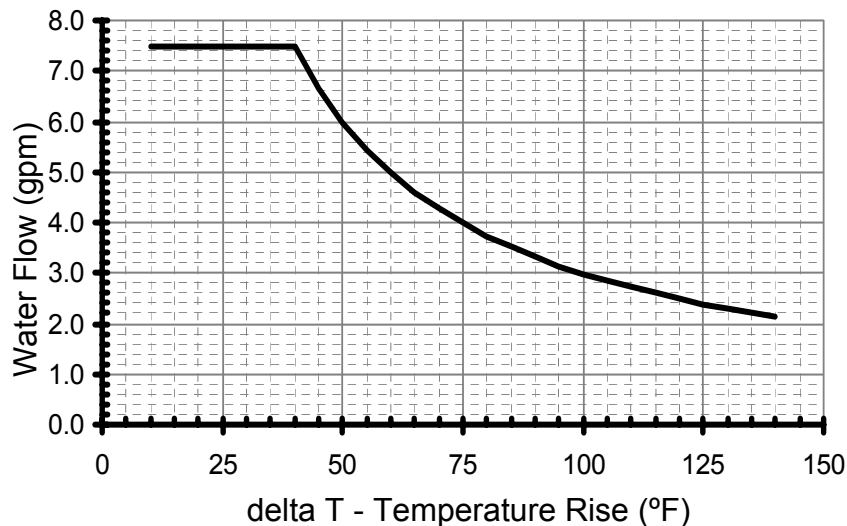


## R75LSi (VB2528FFUD-US)

<b>Type of Appliance</b>	Temperature controlled, continuous flow, gas hot water system; certified for installation in manufactured (mobile) homes
<b>Rinnai Model Number</b>	REU-VB2528FFUD-US
<b>Operation / Exhaust System</b>	Forced combustion / Direct vent
<b>Minimum/Maximum Gas Rate (Input)</b>	9,900 - 180,000 BTU/h (Natural Gas) 10,300 - 180,000 BTU/h (Propane)
<b>Electrical</b>	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
<b>Electrical Consumption</b>	Normal: 76 watts Standby: 2 watts Anti-frost protection: 184 watts
<b>Ignition System</b>	Direct electronic ignition
<b>Hot Water Capacity</b>	Minimum flow rate: 0.26 GPM Minimum activation flow rate: 0.4 GPM Maximum flow rate: 7.5 GPM (40° F rise)
<b>Temperature</b>	98° - 120° F (factory default) Maximum temperature is selectable at 120° F or at 140° F; 98° - 160° F available with the MCC-91 controller for commercial and hydronic applications
<b>Temperature (without remote)</b>	120° F (factory default)
<b>Approved Gas Types</b>	Natural or Propane (ensure unit matches gas type at location)
<b>Installation</b>	Indoor only
<b>Energy Factor</b>	Natural Gas: 0.82                      Propane: 0.82
<b>Thermal Efficiency</b>	Natural Gas: 82%                      Propane: 82%
<b>Service Connections</b>	Gas supply: 3/4 inch MNPT      Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT
<b>Water Flow Control</b>	Water flow sensor, electronic water control device and fixed by-pass
<b>Minimum/Maximum Water Supply Pressure</b>	20 - 150 PSI (recommended 30-80 PSI for maximum performance)

**FLOW TABLE**



### Water Temperature Control

#### Controller

Simulation feed forward and feedback

MC-91-1US (part of the front panel)  
 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

- 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 (suitable for closet, attic, and crawl space installations)

- Top of heater - 6 inches
- Front of heater - 6 inches
- Sides of heater - 2 inches
- Back of heater - 0 inches
- Ground / bottom - 12 inches
- From vent pipe - 0 inches

#### Clearances from Non-combustibles

- Top of heater - 2 inches
- Front of heater - 6 inches
- Sides of heater - 1/2 inch
- Back of heater - 0 inches
- Ground / bottom - 12 inches
- From vent pipe - 0 inches

#### Min. / Max. Gas Supply Pressure (sea level)

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 2.9" W.C. low fire 0.55" W.C.  
 Propane Gas: high fire 4.5" W.C. low fire 0.96" 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 and all circulating water flows through the water heater)

*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)**

The wall bracket is adjustable to allow an additional 1.57 inches (40 mm).

DIM	DESCRIPTION	R75LSi in (mm)
A	Width	14 (355.6)
B	Depth *	9.6 (244.5)
C	Height - Unit	22.9 (582)
D	Height - with brackets	25.5 (648.2)
E	Hot Water Outlet - from wall *	3.6 (91)
F	Hot Water Outlet - from center	4.3 (110)
G	Cold Water Inlet - from wall *	2.8 (70)
H	Cold Water Inlet - from center	1.1 (27)
I	Gas Connection - from wall *	3.9 (99)
J	Gas Connection - from center	3.5 (89)
K	From base to gas connection	1.6 (40)
	From base to cold connection	2.0 (50)
	From base to hot connection	1.6 (41)