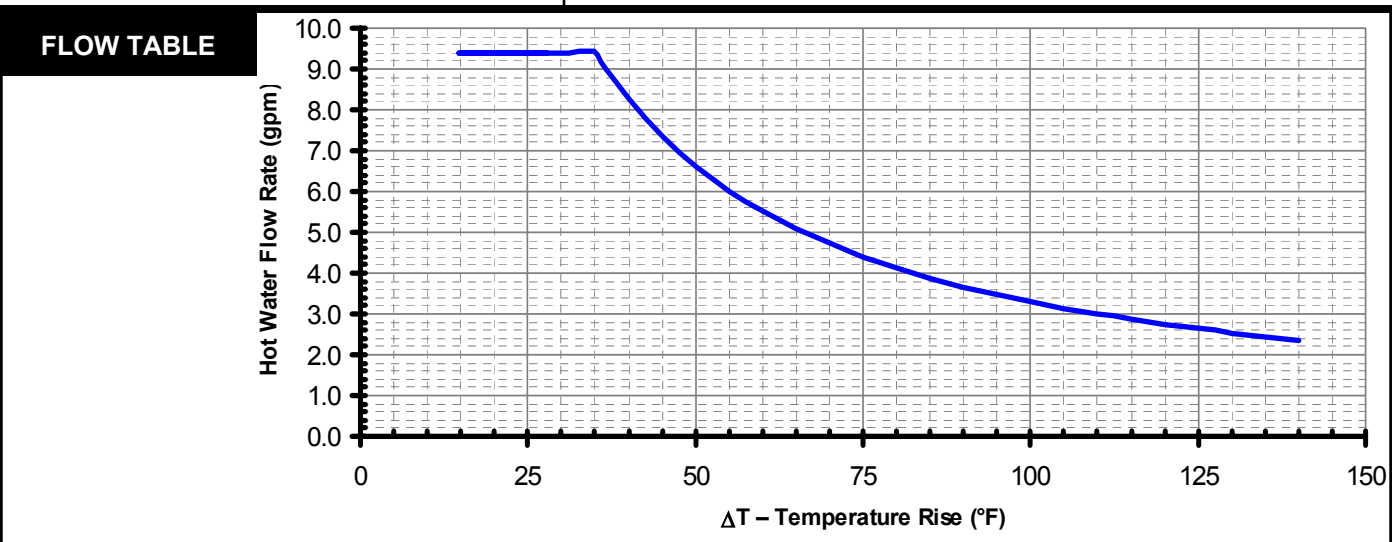


## R94LSe (VB2735WD-US)

Type of Appliance	Temperature controlled, continuous flow, gas hot water system; certified for installation in manufactured (mobile) homes
Rinnai Model Number	REU-VB2735WD-US
Operation	Forced combustion
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 watts Standby 2 watts Anti-frost protection 104 watts
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 (35° F rise)
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)
Approved Gas Types	Natural or Propane (ensure unit matches gas type)
Installation	Outdoor only
Energy Factor	Natural Gas: 0.82 Propane: 0.82
Thermal Efficiency	Natural Gas: 83% Propane: 83%
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 fixed by-pass
Minimum/Maximum Water Supply Pressure	20 - 150 PSI (recommended 30-80 PSI for maximum performance)



### Water Temperature Control

#### Controller

Simulation feed forward and feedback

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

- 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

- 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

#### Clearances from Non-combustibles

\* 24 inches required for serviceability

- 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

#### 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.) (sea level)

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.

#### 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		DIM	DESCRIPTION	R75LSe R94LSe
<p><b>WEIGHT: 51 LBS (23 KG)</b></p>	A	Width	14 (355.6)	
	B	Depth	9.9 (251.1)	
	C	Height - Unit	22.9 (582)	
	D	Height - with brackets	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)	