

Essential

Essential electric water heaters are HUD certified for Manufactured Housing and modular construction

EFFICIENCY

- .92 - .93 UEF
- Isolated tank design reduces conductive heat loss
- Dual 4500 watt heating elements for faster recovery

PERFORMANCE

- FHR: Up to 53 gallons, based on model
- Recovery: 17 GPH for 3500 watts and 21 GPH for 4500 watts at a 90° F rise

LONGER LIFE

- Premium grade anode rod provides long-lasting tank protection

FEATURES

- High performance and lower operating cost
- Compliant with H.U.D., ASHRAE 90A-80 and NAECA requirements
- Single and double element models available. High efficiency resistored heating element in single element models
- Electric junction box located above heating elements for easy installation
- Over-temperature protector cuts off power in excess temperature situations
- Automatic thermostat keeps water at desired temperature

PLUS...

- Certified for manufactured (HUD) and modular construction
- Specially formulated glass lining prevents corrosion and extends the life of the tank
- EverKleen™ self cleaning device fights harmful sediment build-up with a high-velocity spiraling water stream – helps operating efficiency by saving energy, money and improving tank life
- Temperature and pressure relief valve included
- Low lead compliant

WARRANTY

- 6-Year limited tank and parts warranty*

*See Residential Warranty Certificate for complete information

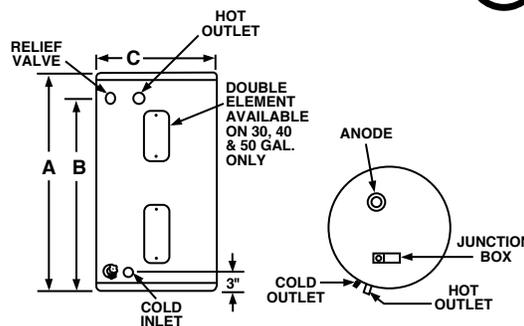
Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



Essential for Manufactured Housing
30 and 40-Gallon Capacities
240 Volt AC/Single Phase
Electric



LEED Point = 1



WATER CONNECTIONS ALL 3/4" N.P.T.

TYPE	DESCRIPTION			FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)				ENERGY INFO.	
	NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	FIRST HOUR RATING G.P.H.		RECOVERY IN G.P.H. 90° F RISE		TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS.)	UNIFORM ENERGY FACTOR (UEF)	ESTIMATED YEARLY ENERGY COST
				3500 WATTS	4500 WATTS	3500 WATTS	4500 WATTS						
Tall	30	27	T2V30-D	25	47	17	21	47-3/4	39-1/2	19-1/4	92	0.92	\$293
Tall	40	36	T2V40-D	30	53	17	21	48-1/2	40-1/8	21-1/8	106	0.93	\$419

Recovery calculations used are based on 4500 watt elements used in non-simultaneous operation.

$$\text{Recovery} = \frac{\text{wattage}}{2.42 \times \text{temp. rise } ^\circ\text{F}}$$

Example: $\frac{4500\text{W}}{2.42 \times 90^\circ} = 21 \text{ GPH}$

Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.

- **If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.**
- Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring, and 3500 watt or 4500 watt heating elements.
- Special Wiring Options – A limited number of special wiring options are available. Consult factory for price and availability.

In keeping with its policy of continuous progress and product improvement, Richmond reserves the right to make changes without notice.