Richmond®
The Water Heater Experts™

Richmond ESSENTIAL® central electric water heater line is engineered for longer life - resistored heating elements and premium grade anode rod

Efficiency

- Isolated tank design reduces conductive heat loss
- High efficiency resistored heating element for added protection to prolong anode rod and tank life

Performance

- FHR: 42 - 99 gallons, based on gallon capacity
- Recovery rate is 21 gallons at a 90 degree Fahrenheit rise**

High Efficiency Models Feature

- High performance and lower operating cost
- Exclusive glass tank lining resists corrosion
- ASME rated temperature and pressure valve
- R-Foam Polyurethane foam insulation for superior heat retention
- Maximum tank working pressure of 150 PSI (10 BARS)
- Factory tested @ 300 PSI
- Anode rod equalizes aggressive water action and prolongs the life of the water heater

- 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…

- 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

- Brass drain valve
- Temperature and pressure relief valve included
- Stainless Steel or Incoloy Heating elements available

20 to 120-Gallon Capacities
240 Volt AC/Single Phase
or
415 & 480 Volt AC/Three Phase
Double and Single Element
Models Electric

MODEL NO.	Insulation Thickness (In)
RM82V30	1.875
RM82V40	1.875
RM82V52	1.500
RM82V66	1.500
RM82V80	1.500
RM82V120	2.125

الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.

هيئة الإمارات للمواصفات والمقاييس
Emirates Authority For Standardization & Metrology

See dimensions chart on back.

* Models shown highlight the complete range, however please check SASO certification status with your area manager.

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Wattage Limitation	230V	240V	400V	415V	480V
2500	YES	YES	YES	YES	YES
3000	YES	YES	YES	YES	YES
3500	YES	YES	YES	YES	YES
4500	YES	YES	YES	YES	YES
5000	YES	YES	YES	YES	YES
6000	NO	NO	YES	YES	YES

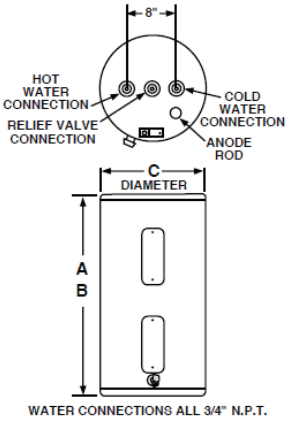
DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)			
TYPE	GAL. CAP.	MODEL NUMBER	FIRST HOUR RATING G.P.H.	RECOVERY IN G.P.H. @ 90° RISE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS.)
TALL	30	RM82V30-2	48	21	45-3/4	45-3/4	17-3/4	80
	40	RM83VR40-2†	56	21	46-3/4	46-3/4	22-1/4	104
	40	RM82V40-2	53	21	46-1/2	46-1/2	19-3/4	95
	40	RM82VH40-2	57	21	59-1/4	59-1/4	17-3/4	96
	50	RM83VR52-2†	67	21	57	57	22-1/4	123
	50	RM82V52-2	67	21	57	57	19	107
	65	RM83VR66-2†	71	21	58-3/4	58-3/4	23	160
	65	RM82V66-2	71	21	58-1/2	58-1/2	21	150
	80	RM83VR80-2†	88	21	59	59	24-1/2	181
	80	RM82V80-2	88	21	59	59	23	177
	120	RM82V120-2	99	21	62-1/2	62-1/2	28-1/4	324
MED.	30	RM82MV30-2	44	21	36	36	19-3/4	80
	50	RM83MVR52-2†	62	21	46	46	24-1/4	128
	50	RM82MV52-2	62	21	46	46	21-3/4	117
SHORT	20	RM82SV20-2	–	21	31-1/2	31-1/2	17	62
	30	RM81SVB30-2*	42	21	30	30	19-3/4	90
	30	RM82SV30-2	42	21	30	30	22-1/4	83
	38	RM82SV40-2	45	21	31-1/2	31-1/2	23	108
	38	RM82SVB40-2*	45	21	31-1/2	31-1/2	23	108
	47	RM82SV50-2	55	21	32	32	26-1/4	149

*Water heater dimensions prior to installing insulation blanket that is included with water heater.
RM 81SVB30-2 - The insulation blanket adds 1-1/2 inches to tank height and 3 inches to tank diameter.
RM 82SVB40-2 - The insulation blanket adds 1 inch to tank height and 2 inches to tank diameter.

- Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring, and 4500 watt upper and lower heating elements.
- **If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.**
- Single element models available on special order (6000W max.). Substitute "-1" for "-2" in model number.
- Special Wiring Options – A limited number of special wiring options are available. Consult factory for price and availability.
- All models equipped with heat traps.

**Recovery = wattage/2.42 x temp. rise °F.
Example: 4500W / 2.42 x 90° = 21 GPH

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



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