



208, 240,  
277 and 480  
Volts

Short  
Models  
Available



## Available in 30, 40, 50, 65, 80 and 120 Gallon Tank-Type Models

### ► 3KW thru 12KW

Electric commercial water heaters are designed to provide hot water where applications require moderate quantities. These units are suited for a wide variety of applications such as retail stores, small offices or any location where a moderate amount of hot water is required.

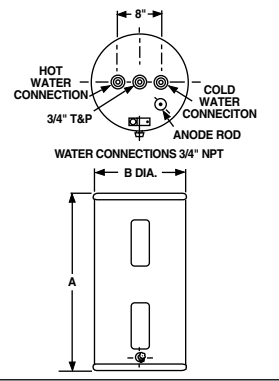
### Construction Features:

- **Long life tank design** – proprietary steel formulation with a unique coat of high temperature porcelain enamel to maximize corrosion resistance resulting in a superior tank design. A patented R-Tech anode rod provides advanced technology; equalizing aggressive water action while prolonging the effective life of the anode rod and in turn the life of the tank.
- **Long life heating elements** – our patented resistor elements are designed with a specially treated, double layer of magnesium oxide and copper to resist corrosion. Replacement elements screw in easily.
- **Wiring options** – simultaneous and non-simultaneous wiring, single phase and three phase available.
- **Efficient design** – 2-1/2" of rigid polyurethane foam insulation provides superior insulating qualities resulting in reduced operating costs.
- **Automatic temperature control** – a surface mounted thermostat automatically cycles on and off to maintain the water temperature at a desired preset level.
- **Durable brass drain valve**

### Certifications and Ratings:

- **Efficiency** – these models have been tested according to DOE test procedures, and exceed the minimum energy factor requirements of ASHRAE Standard 90.1b-2001 (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).
- **Safety and construction** – these products are design certified by Underwriters Laboratories (UL) to meet UL standard 174 as electric storage tank water heaters. All models are North Carolina and Massachusetts Code compliant.  
**CERTIFIED FOR A 150 PSI MAXIMUM WORKING PRESSURE.**

DIMENSIONAL INFORMATION (All dimensions shown in English and Metric)										
MODEL NUMBER	MIN. WATTS	MAX WATTS	TANK CAPACITY		A		B		APPROX. SHIPPING WT.	
			GALLONS	LITERS	inches	mm	inches	mm	lbs.	kgs.
ELDS30	3,000	12,000	30	114	29-1/2	750	22-1/4	565	105	48
ELDS40	3,000	12,000	38	144	31-1/2	800	23	584	135	61
ELDS52	3,000	12,000	47	178	32-1/2	813	26-1/4	667	150	68
ELD30	3,000	9,000	30	114	45-1/2	1156	17-3/4	451	90	41
ELD40	3,000	12,000	40	151	46-1/4	1175	22-1/4	565	108	49
ELD52	3,000	12,000	50	189	57	1448	22-1/4	565	127	58
ELD66	3,000	12,000	65	246	58-3/4	1492	23	584	170	77
ELD80	3,000	12,000	80	303	59	1499	24-1/2	622	200	91
ELD120	3,000	12,000	119.9	454	62-1/2	1586	28-1/4	718	330	150
<b>WATER TEMPERATURE RATINGS</b>		Thermostat Type: Surface Mounted		Minimum Temperature: 110°F (43.3°C)		Maximum Temperature: 170°F (76.7°C)		High Temperature Limit: 190°F (87.8°C)		



PRODUCT AVAILABILITY												
ELEMENT WATTAGE (UPPER/LOWER)	NON-SIMULTANEOUS WIRING				SIMULTANEOUS WIRING							
	2 OR 3 WIRE CONFIGURATION SINGLE OR THREE PHASE OPERATION†				2 WIRE CONFIGURATION SINGLE PHASE OPERATION ONLY				4 WIRE CONFIGURATION SINGLE OR THREE PHASE OPERATION†			
	208V	240V	277V	480V	208V	240V	277V	480V	208V	240V	277V	480V
3,000/3,000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
4,000/4,000	Y	Y	Y	Y	N/A	N/A	Y	Y	Y	Y	Y	Y
4,500/4,500	Y	Y	Y	Y	N/A	N/A	N/A	Y	Y	Y	Y	Y
5,000/5,000	Y	Y	Y	Y	N/A	N/A	N/A	Y	Y	Y	Y	Y
6,000/6,000	Y	Y	Y	Y	N/A	N/A	N/A	Y	N/A	Y	Y	Y

ELECTRICAL CHARACTERISTICS												
ELEMENT WATTAGE (Upper/Lower)	NON-SIMULTANEOUS WIRING				SIMULTANEOUS WIRING							
	SINGLE/THREE PHASE OPERATION† FULL LOAD CURRENT IN AMPERES (All Terminals)				SINGLE PHASE OPERATION FULL LOAD CURRENT IN AMPERES (All Terminals)				THREE PHASE OPERATION† FULL LOAD CURRENT IN AMPERES (Terminals L3 / Terminals L1 & L2)			
	208V	240V	277V*	480V	208V	240V	277V	480V	208V	240V	277V**	480V
3,000/3,000	14.4/8.3	12.5/7.2	10.8	6.3/3.6	28.8	25.0	21.7	12.5	25.0/14.4	21.7/12.5	10.8	10.8/6.3
4,000/4,000	19.2/11.1	16.7/9.6	14.4	8.3/4.8	N/A	N/A	28.9	16.7	33.3/19.2	28.9/16.7	14.4	14.4/8.3
4,500/4,500	21.6/12.5	18.8/10.8	16.2	9.4/5.4	N/A	N/A	N/A	18.8	37.5/21.6	32.5/18.8	16.2	16.2/9.4
5,000/5,000	24.0/13.9	20.8/12.0	18.1	10.4/6.0	N/A	N/A	N/A	20.8	41.7/24.0	36.1/20.8	18.1	18.0/10.4
6,000/6,000	28.8/16.7	25.0/14.4	21.7	12.5/7.2	N/A	N/A	N/A	25.0	N/A	43.3/25.0	21.7	21.7/12.5

\* 277 Volt units are not available for three phase operation. \*\* 277 Volt units can be ordered in 4 wire simultaneous for single phase operation. † Unbalanced three phase.

RECOVERY CAPACITIES – Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at various temperature rises.																				
ELEMENT WATTAGE (Upper/Lower)	NON-SIMULTANEOUS WIRING										SIMULTANEOUS WIRING									
	40°F (22°C)		60°F (33°C)		80°F (45°C)		100°F (56°C)		120°F (67°C)		40°F (22°C)		60°F (33°C)		80°F (45°C)		100°F (56°C)		120°F (67°C)	
	GPH	LPH	GPH	LPH	GPH	LPH	GPH	LPH	GPH	LPH	GPH	LPH	GPH	LPH	GPH	LPH	GPH	LPH	GPH	LPH
3,000/3,000	30	115	20	77	15	58	12	46	10	38	61	230	41	153	30	115	24	92	20	77
4,000/4,000	41	153	27	102	20	77	16	61	14	51	81	307	54	205	41	153	32	123	27	102
4,500/4,500	46	173	30	115	23	86	18	69	15	58	91	345	61	230	46	173	36	138	30	115
5,000/5,000	51	192	34	128	25	96	20	77	17	64	101	384	68	256	51	192	41	153	34	128
6,000/6,000	61	230	41	153	30	115	24	92	20	77	122	460	81	307	61	230	49	184	41	153

**Recommended Specifications**

Water heater(s) shall be model \_\_\_\_\_, manufactured by RHEEM-RUUD, having electrical input of \_\_\_\_\_ kW and a recovery rate of \_\_\_\_\_ GPH at a 100°F temperature rise. Water heater(s) shall have a storage capacity of \_\_\_\_\_ gallons. Water heater(s) shall have the UL seal of certification and be factory equipped with an AGA/ASME rated temperature and pressure relief valve. Tank(s) interior shall be coated with a high temperature porcelain enamel and furnished with an R-Tech resistored magnesium anode rod rigidly supported. Water heater(s) shall meet or exceed the energy factor requirements of ASHRAE Standard 90.1b-2001. Tanks shall have a working pressure rating of 150 psi, and shall be completely assembled. Water heater(s) shall be equipped with copper, resistored, "screw-in" type elements. Tank shall be insulated with 2 1/2" of rigid polyurethane foam insulation. Water heater(s) shall be equipped with surface mounted thermostats each with an integral, manual reset, high limit control. Water heater(s) shall be covered by a three year limited warranty against tank leaks.

**Limited Warranty**

This product features a three year limited warranty against tank leaks. Please refer to Commercial Warranty Information brochure for complete warranty information.



**COMMERCIAL WATER HEATERS**

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

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