



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.

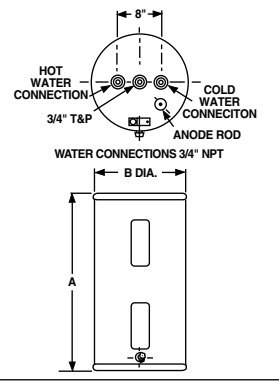
Construction Features:

- **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
WATER TEMPERATURE RATINGS		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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