



The new degree of comfort.™



Commercial Electric
Light-Duty Water Heaters

Light-duty commercial electric line designed specifically for any application needing moderate amounts of hot water

Features & Benefits

Our family of light-duty electric water heaters come in 30 through 119.9-gallon models. They are available in 3kW through 12kW and in 208, 240, 277 and 480 voltages. Maximum temperature on ELDS30, ELDS40, ELDS52, ELD66, ELD80, and ELD120 is greater than 180° F. ELD30, ELD40, ELD52 have maximum temperature setting of 170° F and achieve a 95% efficiency rating. These units are suited for a wide variety of applications such as retail stores and small offices. Short models are available.

Long Life Tank Design

Proprietary steel formulation with a unique coat of high temperature porcelain enamel maximizes corrosion resistance of the tank. This prolongs 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 are 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

Factory installed brass drain valve allows for faster draining and servicing.

Warranty

3-Year limited tank warranty for commercial applications

See Warranty Certificate for complete information.

NEW UL Approved Electric Conversion Kits*

- Provides an easy way to convert standard models to different wattages, volt or phase depending on installation requirements
- Kits are designed for ELD(S) models in all gallon capacities
- All parts needed for the electric conversion are included with Rheem electric conversion kits
- Rheem electric conversion kits provide convenience for contractors, plumbers and installers which saves time and money

* Not available in Canada.

Consult factory for certification listing.

Safety and Construction | These products are design certified by Underwriters Laboratories (UL) to meet UL safety standards as electric storage tank water heaters. All models are North Carolina and Massachusetts Code compliant. **Certified for 150 PSI maximum working pressure.**



Rheem Light-Duty
30 to 120-Gallon Capacities
3kW – 12kW
208, 240, 277, 480 Voltages



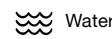
See specifications chart on back.



INTEGRATED AIR & WATER

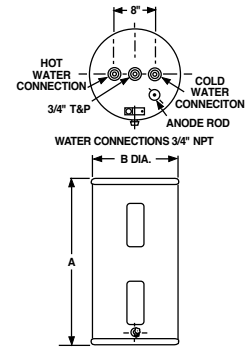


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DIMENSIONAL INFORMATION (All dimensions shown in English and Metric)										
MODEL NUMBER	MIN. WATTS	MAX WATTS	TANK CAPACITY		A		B		APPROX. SHIPPING WT.	
			GALLONS	LITERS	inches	mm	inches	mm	lbs.	kgs.
ELDS30	3,000	12,000	30	114	30	762	22-1/4	565	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	813	26-1/4	667	150	68
ELD30	3,000	9,000	30	114	47-1/2	1207	19-1/4	489	100	45
ELD40	3,000	12,000	40	151	48-1/8	1222	20-1/4	514	105	48
ELDS2	3,000	12,000	50	189	58-1/2	1486	20-1/4	514	125	57
ELD66	3,000	12,000	65	246	59-3/8	1508	22-1/4	565	169	77
ELD80	3,000	12,000	80	303	59-1/2	1511	23-3/4	603	176	79
ELD120	3,000	12,000	119.9	454	62-7/8	1597	28-1/4	718	330	150



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	Y	Y	Y	Y

ELEMENT WATTAGE (Upper/Lower)	NON-SIMULTANEOUS WIRING				SIMULTANEOUS WIRING										
	SINGLE/THREE PHASE OPERATION† FULL LOAD CURRENT IN AMPERES (All Terminals)				2-WIRE SINGLE PHASE OPERATION FULL LOAD CURRENT IN AMPERES (All Terminals)				4-WIRE THREE PHASE OPERATION† FULL LOAD CURRENT IN AMPERES (Terminals L3 / Terminals L1 & L2)			4-WIRE SINGLE PHASE OPERATION FULL LOAD CURRENT IN AMPERES (All Terminals)			
	208V	240V	277V*	480V	208V	240V	277V	480V	208V	240V	480V	208V	240V	277V**	480V
3,000/3,000	14.4	12.5	10.8	6.3	28.8	25.0	21.7	12.5	25.0/14.4	21.7/12.5	10.8/6.3	28.8	25.0	10.8	12.5
4,000/4,000	19.2	16.7	14.4	8.3	N/A	N/A	28.9	16.7	33.3/19.2	28.9/16.7	14.4/8.3	38.5	33.3	14.4	16.6
4,500/4,500	21.6	18.8	16.2	9.4	N/A	N/A	N/A	18.8	37.5/21.6	32.5/18.8	16.2/9.4	43.3	37.5	16.2	18.8
5,000/5,000	24.0	20.8	18.1	10.4	N/A	N/A	N/A	20.8	41.7/24.0	36.1/20.8	18.0/10.4	48.1	41.7	18.1	20.8
6,000/6,000	28.8	25.0	21.7	12.5	N/A	N/A	N/A	25.0	50.0/28.8	43.3/25.0	21.7/12.5	57.6	50	21.7	25.0

* 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

Canadian models have different model numbers than U.S. models. Add a "C" before the model number (e.g., CELD30) when ordering.

Recommended Specifications (for trade reference only)

Water heater(s) shall be model _____, manufactured by 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 CSA/ASME rated temperature and pressure relief valve. Tank(s) interior shall be coated with a high

temperature porcelain enamel and furnished with a magnesium anode rod rigidly supported. Water heater(s) shall meet or exceed the energy factor requirements of ASHRAE. 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.

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

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