



The new degree of comfort.®



Commercial Electric
Light-Duty Water Heaters

Light-Duty Commercial Electric Water Heaters

Easy Field-Level Power Requirement Conversion

Custom Configuration for a Variety of Light Duty Applications

- Ideal for Restaurant, Coffee Shops, Retail Stores and Small Offices
- 30 - 119.9 Gallon Models
- 12.1kW for 208/240/277/480 Voltages
- Perfect for High Water Temperature Requirements Greater than 170°F
- Available in Short Models

FEATURES & BENEFITS	
Terminal Block	Easy to modify configurations from Sim to Non Sim / Single to Triple Phase
	Field-level modification reduces need for additional product inventory
	Available on 30 - 119.9 gallon models
Wiring Options	Custom field level configuration based on application requirements
	Simultaneous and non-simultaneous wiring
	Single & three phase available for model 50 gallon and below
Energy Efficient Design	Reduces energy consumption & standby heat loss with 2-1/2" of rigid polyurethane foam insulation
	Reduce energy consumption
	Ability to custom configuration elements to work simultaneously or individually
Designed for Long Life & Top Performance	Proprietary protective steel formulation
	High temperature porcelain enamel
	Design maximizes corrosion resistance & life of anode rod
	Triple Rated Element enables multiple voltage inputs in 277 model
	Patented corrosion-resistant elements include double layer of magnesium oxide and copper
Automatic Temperature Control	Durable factory-installed full flow brass drain valve
	Automatic Temperature Control - Surface mounted thermostat automatically cycles on and off to maintain desired water temperature
Warranty	Limited Tank Warranty – 3 years for commercial applications



Rheem Light-Duty

66 to 119.9-Gallon Capacities

12.1kW

208, 240, 277, 480 Voltages

Electric



Electric Light Duty models are available with terminal block in both fused and non-fused configurations. All water heaters with power requirements over 48 Amps come Standard in the fused configuration.

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.

See specifications chart on back.



INTEGRATED AIR & WATER



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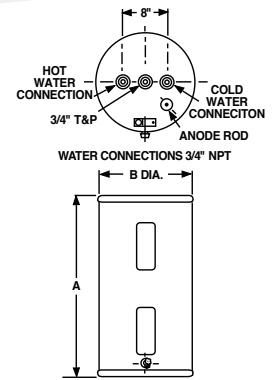


Water

Commercial Electric
Light-Duty Water Heaters

DIMENSIONAL INFORMATION (All dimensions shown in English and Metric)

MODEL NUMBER	MIN. WATTS	MAX. WATTS	TANK CAPACITY (LISTED)		TANK CAPACITY (MEASURED)		A		B		APPROX. SHIPPING WT.		FIRST HOUR DEL. G.P.H.	UNIFORM ENERGY FACTOR (UEF)	STL
			GAL.	LTR	GAL.	LTR	INCHES	MM	INCHES	MM	lbs.	kgs.			
ELD30-TB	3,000	12,000	30	114	27	102	47-1/2	1207	19	483	125	57	46	0.92	N/A
ELD40-TB	3,000	12,000	40	151	36	136	48-1/4	1226	20-1/4	514	140	64	55	0.93	N/A
ELDS2-TB	3,000	12,000	50	189	45	170	58-5/8	1489	20-1/4	514	155	70	63	0.93	N/A
ELD66-TB	12,100	12,100	65	246	58.5	221	59-3/8	1508	22-1/4	565	185	84	N/A	N/A	0.76
ELD80-TB	12,100	12,100	80	303	72	273	59-5/8	1514	23-3/4	603	220	100	N/A	N/A	0.68
ELD120-TB	12,100	12,100	119.9	454	108	409	62-7/8	1597	28-1/4	718	335	152	N/A	N/A	0.55
ELDS30-TB	3,000	12,000	28	106	25	95	30	762	23	584	130	59	43	0.92	N/A
ELDS40-TB	3,000	12,000	36	136	33	125	31-1/2	800	24-1/4	616	150	68	46	0.92	N/A
ELDS52-TB	3,000	12,000	47	178	43	163	32	813	26-1/4	667	180	82	57	0.93	N/A



PRODUCT AVAILABILITY

Electric Light Duty models are available with terminal block in both fused and non-fused configurations. Fused configuration is Standard in all water heaters with power requirements over 48 Amps.

	SIZE	208V						240V						277V						480V					
		3/3	4/4	45/45	5/5	6/6		3/3	4/4	45/45	5/5	6/6		3/3	4/4	45/45	5/5	6/6		3/3	4/4	45/45	5/5	6/6	
SIM OR NON-SIM OPTIONS	30	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	
	40	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	
	50	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	
SIM ONLY	66					✓						✓						✓						✓	
	80					✓						✓						✓						✓	
	120					✓						✓						✓						✓	

• Fused or Non-Fused, Fused if > 48 Amps • Terminal Block allows for conversions from Simultaneous element usage to non-Simultaneous for maximum energy savings.

ELECTRICAL CHARACTERISTICS

ELEMENT WATTAGE	ELEMENT WATTAGE	NON-SIMULTANEOUS WIRING				SIMULTANEOUS WIRING													
		SINGLE/THREE PHASE OPERATION* FULL LOAD CURRENT IN AMPERES				2-WIRE SINGLE PHASE OPERATION FULL LOAD CURRENT IN AMPERES				4-WIRE THREE PHASE OPERATION* FULL LOAD CURRENT IN AMPERES				4-WIRE SINGLE PHASE OPERATION FULL LOAD CURRENT IN AMPERES (DOUBLE BRANCH CIRCUIT)					
UPPER	LOWER	TERMINALS L1 AND L2 FOR SINGLE PHASE, L1, L2, AND T2 FOR 3 PHASE				TERMINALS L1 AND L2				THERE'S NO 4 WIRE 3 PHASE THIS IS 3 PHASE SIM TERMINALS L1, L2, AND T2				TERMINALS L1 AND L2 FIRST CIRCUIT TERMINALS T1 AND T2 SECOND CIRCUIT					
		208	240	277	480	208	240	277	480	208	240	480		208	240	277	480		
3000	3000	14	13	11	6	29	25	22	13	25	22	11		SAME AS NON SIM, BUT THERE WILL BE TWO SETS OF INCOMING POWER. THIS IS THE FACTORY WIRING					
4000	4000	19	17	14	8	38	33	29	17	33	29	14							
4500	4500	22	19	16	9	43	38	32	19	37	32	16							
5000	5000	24	21	18	10	48	42	36	21	42	36	18							
6000	6000	29	25	22	13	58	50	43	25	50	43	22							
6050	6050	29	25	22	13	58	50	44	25	50	44	22							

*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
3000/3000	30	115	20	77	15	58	12	46	10	38	61	230	41	153	30	115	24	92	20	77
4000/4000	41	153	27	102	20	77	16	61	14	51	81	307	54	205	41	153	32	123	27	102
4500/4500	46	173	30	115	23	86	18	69	15	58	91	345	61	230	46	173	36	138	30	115
5000/5000	51	192	34	128	25	96	20	77	17	64	101	384	68	256	51	192	41	153	34	128
6000/6000	61	230	41	153	30	115	24	92	20	77	122	460	81	307	61	230	49	184	41	153
6050/6050	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., CELD66) when ordering.

Recommended Specifications (for trade reference only)

Water heater(s) shall be model _____, manufactured by Rheem, 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.

Rheem Water Heating • 1115 Northmeadow Parkway, Suite 100
Roswell, Georgia 30076 • www.rheem.com

Rheem Canada Ltd./Ltée • 125 Edgeware Road, Unit 1
Brampton, Ontario L6Y 0P5 • www.rheem.com



INTEGRATED AIR & WATER