Rinnai®

RCET • SERIES™

Commercial Electric Tank

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Hot Water When You Need It Most.
The Perfect Solution for General Indoor Commercial Applications.

Are you tired of unreliable hot water systems that can't keep up with your business demands? The Rinnai Commercial Electric Tank Water Heater is the perfect solution for general indoor commercial applications, ensuring businesses always have hot water when they need it most.

RCET5012,
5013, 5015, 5018, 5024,
5027, 5030, 5026
50 Gallon

RCET8012,
8013, 8015, 8018
8024, 8027, 8030, 8036
80 Gallon

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Why Choose Rinnai?

Our commercial electric tank water heaters are engineered for reliability and performance, making them the ideal choice for businesses looking to enhance their hot water systems. Join countless satisfied customers who have experienced the benefits of Rinnai's innovative technology.

- **Versatile Models:** Choose between 50-gallon and 80-gallon models to fit your specific needs.
- **Flexible Operation:** Designed for 240V Single Phase voltage up to 18kW, our water heaters are built for efficiency can be field converted to Three Phase.
- **Customizable Power:** Available in 3 or 6-element configurations to match your kW requirements, with de-rate kits of 9kW and 6kW.
- **Eco-Friendly Insulation:** 2 in. (51mm) of foam insulation minimizes heat loss, saving energy and costs.
- **Durable Construction:** Features a glass-lined inner tank and Ferro-Enamel Powder Coating for ultimate corrosion protection.
- **Reliable Connections:** Equipped with 1-1/2 in. MNPT dielectric hot and cold connections and a brass drain valve for ease of use.
- **Long-Lasting:** Dual magnesium anode rods ensure a long life and resistance to corrosion.
- **Certified Safety:** UL 1453 Certified and featuring an IPX4 Electrical Cabinet, T&P Pressure Re-lift Valve, and Hi-Limit Reset for your peace of mind.
- **Exceptional Performance:** Delivers up to 130 gallons of hot water in the first hour at a 100° rise.

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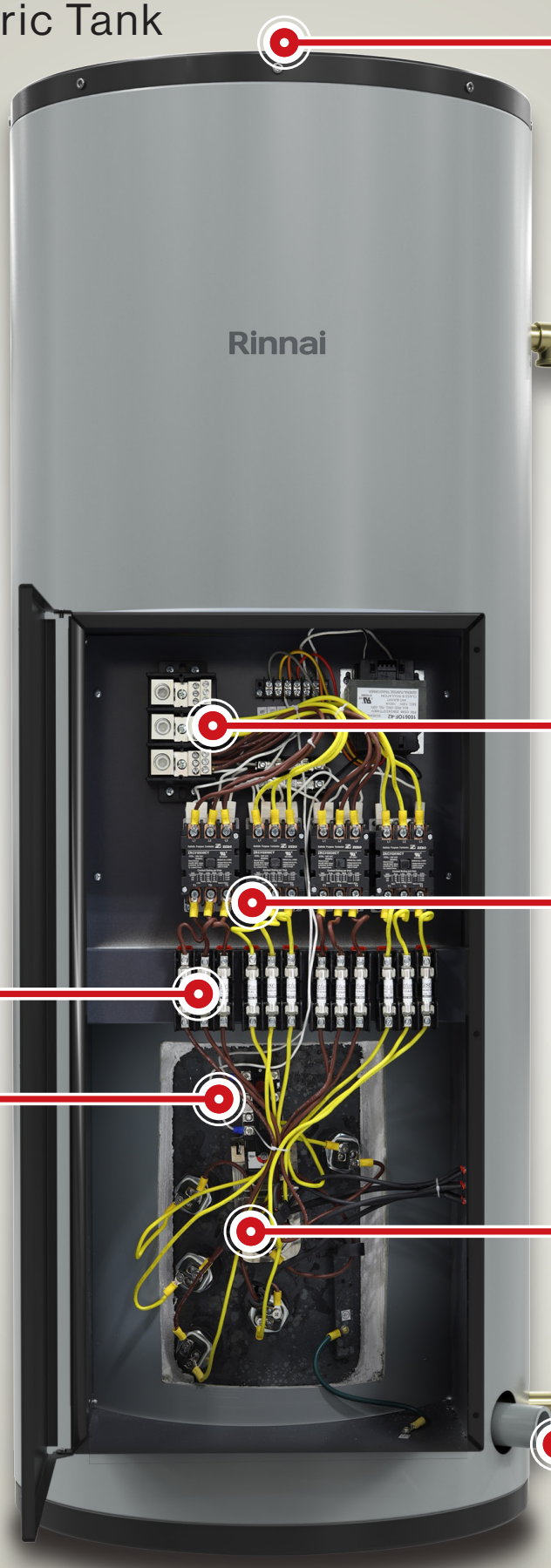


Water Outlet

T&P Valve

Power Distribution Block

Contactor

Power Circuit Fuse/Block

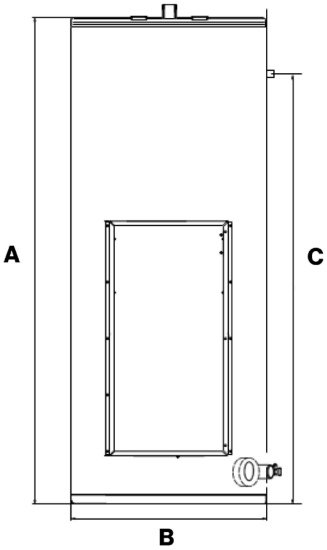
Thermostat/Eco
Combination Controls

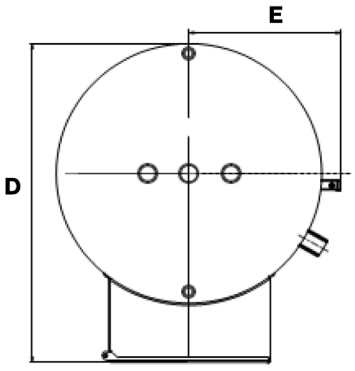
Heating Elements/Plug

Drain

Water Inlet

COMMERCIAL ELECTRIC WATER HEATER STORAGE TANK		
Installation Type	**Internal (Indoor) Commercial Applications**	
Model Numbers	**RCET5012**	**RCET8012**
	RCET5013	**RCET8013**
	RCET5015	**RCET8015**
	RCET5018	**RCET8018**
	RCET5024	**RCET8024**
	RCET5027	**RCET8027**
	RCET5030	**RCET8030**
	RCET5036	**RCET8036**
Maximum System Electrical Consumption	Up to 36 kW (See specific models)	
Standard Voltage	208V/240V/277V/480V Singl e Phase Can be field converted to Three Phase.	
Storage Tank	• 2 in. (51 mm) Eco-friendly foam insulation • Glass -lined inner tank • 1-1/2 in. MNPT dielectric hot and cold connections • Brass drain valve • Dual magnesium anode rods	
Efficiency	The water heater models listed above meet or surpass thermal efficiency and standby loss requirements set by the American Society of Heating, Refrigerating and Air -Conditioning Engineers (ASHRAE) standards, as part of the Energy Policy Act (Epact), a federal law that mandates energy efficiency for various appliances.	
Certifications	UL 1453	
Safety Devices	• Hi-Limit Reset Therm -O -Disc 66T 4401301202 • T&P Relief Valve: ANSI Z21.22 and ASME approved, 105,000 BTU/HR, 150 PSI, 210°F (99°C).	
Warranty	• Tank: 3 years • All Other Parts and Components: 1 Year • Reasonable Labor: 1 Year • (Refer to the Installation and Operation Manual for full warranty information)	





CERTIFIED TO UL 1453

RCET Models	Tank Capacity		A Tank Height	B Tank Diameter	C PRV Height	D Maximum Depth	E	Inlet/ Outlet	Approximate Shipping Weight	
	Gallon	Liter						Inches	Lbs	kG
50 Gallon	50	189	58.1 in (1476 mm)	21.5 in (546 mm)	49 in (1245 mm)	27.3 in (692 mm)	16.5 in (419 mm)	1 1/2	203	92
80 Gallon	80	302	64.3 in (1632 mm)	25.3 in (642 mm)	53.1 in (1348 mm)	31 in (788 mm)	18.4 in (467 mm)	1 1/2	252	114

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5024, 5027, 5030, 5026
50 Gallon

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8024, 8027, 8030, 8036
80 Gallon

Electrical Consumption and Tank Capacity

Input (kW)	Model Numbers Tank Capacity in Gallons		Number of Elements	Element Wattage	Full Load Current in Amperes						
					Single Phase				Three Phase		
	50	80			208V	240V	277V	208V	208V	240V	480V
12.3	RCET5012	RCET8012	3	4,100	59	51	44	26	34	30	15
13.5	RCET5013	RCET8013	3	4,500	65	56	49	28	37	32	16
15	RCET5015	RCET8015	3	5,000	72	63	54	31	42	36	18
18	RCET5018	RCET8018	6	3,000	87	75	65	38	50	43	22
24	RCET5024	RCET8024	6	4,000	115	100	87	50	67	58	29
27	RCET5027	RCET8027	6	4,500	130	113	98	56	75	65	32
30	RCET5030	RCET8030	6	5,000	144	125	108	63	83	72	36
36	RCET5036	RCET8036	6	6,000	173	150	130	75	100	87	43

Recovery Capacities

U.S. Gallons/Hour Liters/Hour at Temperature Rise Indicated													
Input (kW)	Equivalent BTU/HR	Units	40°F (22°C)	50°F (28°C)	60°F (33°C)	70°F (39°C	80°F (45°C)	90°F (50°C)	100°F (56°C)	110°F (61°C)	120°F (67°C)	130°F (72°C)	140°F (78°C)
12.3	40,946	GPH	124	99	83	71	62	55	50	45	41	38	35
		LPH	470	376	313	268	235	209	188	171	157	145	134
13.5	46,076	GPH	138	111	92	79	69	62	55	50	46	43	53
		LPH	523	419	349	299	262	233	209	190	174	161	150
15	51,195	GPH	154	123	102	88	77	68	61	56	51	47	44
		LPH	582	465	388	332	291	258	233	211	194	177	166
18	61,420	GPH	186	149	124	106	93	83	74	68	62	57	53
		LPH	705	564	470	403	352	313	282	256	235	217	201
24	81,912	GPH	246	197	164	140	123	109	98	90	82	76	70
		LPH	930	744	620	532	465	414	372	338	310	286	266
27	92,151	GPH	276	221	185	158	138	123	111	101	92	85	79
		LPH	1047	938	609	598	523	465	410	391	340	322	299
30	102,390	GPH	307	246	205	176	154	137	123	112	102	95	88
		LPH	1163	930	775	665	582	517	465	423	388	358	332
36	122,868	GPH	369	295	246	211	184	164	148	134	123	113	105
		LPH	1396	117	930	798	698	620	556	508	465	429	399

[1]First Hour Delivery Rating is a theorectical calculation based on 70% usuable tank capacity
(Tank Capacity x 0.70 + (recovery) = First Hour Delivery Rating)

Rinnai®

Proudly assembling Tankless Water Heaters at our state-of-the-art factory located in Griffin, Georgia, USA

Residential Water Heating Solutions

Electric Water Heating Solutions

Commercial Water Heating & Heating Solutions

Home Heating Solutions

Creating a healthier way of living®

Rinnai America Corporation | 103 International Drive | Peachtree City, Georgia 30269 | rinnai.us | rinnai.ca | 1 • 800 • 621 • 9419

Learn more about Rinnai high-performance Tankless Water Heaters, Hybrid Water Heating Systems, Boilers, Vent-Free Fan Convectors, EnergySaver® Direct Vent Wall Heaters, Hydronic Air Handlers, Electric Heat Pump Water Heaters, and Accessories.

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HOMES for our TROOPS
www.hfotusa.org

Rinnai supports our Military and First Responders

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FOLDS of HONOR

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