



COMMERCIAL

DESIGNED WITH YOU IN MINDSM

ELECTRIC BOOSTER WATER HEATERS 6 KW THRU 54 KW

RHEEM/RUUD Electric Booster Water Heaters are specifically designed to fit under counters and deliver 180°F sanitizing rinse water for all stationary rack and conveyor type commercial dishwashers. These models may also be bracket mounted to the wall or installed adjacent to the dishwasher with 6" stainless steel legs. They will raise preheated or cold water to 180°F rinse temperature for compliance with National Sanitation Foundation and all Federal, State, County and Local Health Department Sanitation Codes. In addition, these models can be used as circulating tank commercial electric water heaters for gravity or pump circulation to an auxiliary storage tank.

Construction Features:

SYSTEM SENTINEL – All Electric Booster models employ an element diagnostic panel, utilizing light emitting diodes (L.E.D.), corresponding to the number and location of each heating element. LED's are energized when the electric elements are operating. An unlit L.E.D. pinpoints the exact location of a non-functioning element, making element operation diagnosis simple and positive.

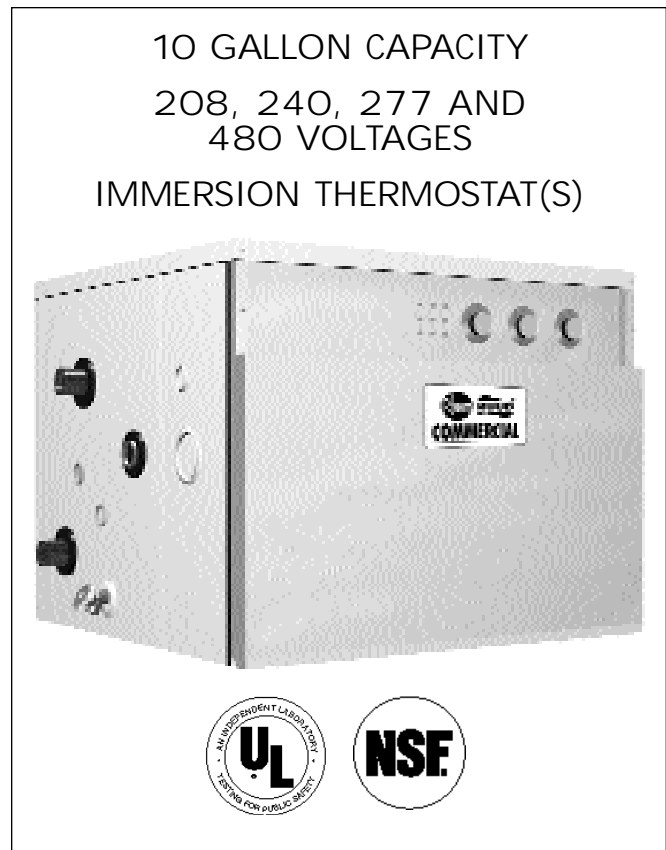
LONG LIFE TANK DESIGN – Proprietary steel formulation with a unique coat of high temperature porcelain enamel to maximize corrosion resistance resulting in a superior tank design.

LONG LIFE HEATING ELEMENTS – Separate screw-in type elements feature a Nichrome wire filament, embedded in magnesium oxide sealed in a copper tube to resist water

Certifications and Ratings:

EFFICIENCY – These models meet the energy efficiency levels of ASHRAE Standard 90.1b-1992 (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 1453 as electric booster and commercial storage tank water heaters. All models are NSF compliant.



chemical corrosion...for long element life and a long life performance. Elements are directly immersed in the water for maximum recovery efficiency (98%) and are easily changed by simply screwing new ones into the tank.

DURABLE BRASS DRAIN VALVE

ELECTRICAL CHARACTERISTICS

INPUT KW	NUMBER OF ELEMENTS	ELEMENT WATTAGE	FULL LOAD CURRENT IN AMPERES							IMMERSION THERMOSTATS				
			208V		240V		277V	480V		Number of Contractors	# of Class G Fuses 30 Amp	# of Class T Fuses 50 Amp	Staged T'Stats	
			Phase		Phase		Phase	Phase					# of T'Stats	KW Step Size
			1	3	1	3	1	1	3					
6	3	2000	29	17	25	14	22	13	7	2	6	6	N/A one T'Stat Std.	6
9	3	3000	43	25	38	22	33	19	11	2	6	6		9
12	3	4000	58	33	50	29	43	25	15	2	6	6		12
15	3	5000	72	42	63	36	54	31	18	2	6	6		15
18	3	6000	-	-	75	43	65	38	22	2	6	6		18
18	6	3000	87	50	-	-	-	-	-	4*	12	6	2	9
24	6	4000	116	67	100	58	87	50	29	4*	12	6	2	12
27	6	4500	130	75	113	65	98	56	33	4*	12	6	2	13.5
30	6	5000	144	84	125	73	108	63	36	4*	12	6	2	15
36	6	6000	-	-	150	87	130	75	43	4*	12	6	2	18
36	9	4000	173	100	-	-	-	-	-	6*	18	6	3	12
45	9	5000	217	125	188	109	163	94	54	6*	18	6	3	15
54	9	6000	260	150	225	130	195	113	65	6*	18	6	3	18

* Non-Staged Class T Models have 2.

RECOVERY CAPACITIES

INPUT KW	EQUIVALENT BTU/Hr.	TEMPERATURE RISE – DEGREES F – GALLONS PER HOUR										
		40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
6	20,473	62	49	41	35	31	27	25	22	21	19	18
9	30,709	92	74	61	53	46	41	37	34	31	28	26
12	40,946	123	98	82	70	61	55	49	45	41	38	35
15	51,182	154	123	102	88	77	68	61	56	51	47	44
18	61,417	184	147	123	105	92	82	74	67	61	57	53
24	81,891	246	197	164	140	123	109	98	89	82	76	70
27	92,128	276	221	184	158	138	123	111	101	92	85	79
30	102,364	307	246	205	175	154	137	123	112	102	95	88
36	122,837	369	295	246	211	184	164	147	134	123	113	105
45	153,546	461	369	307	263	230	205	184	168	154	142	132
54	184,256	553	442	369	316	276	246	221	201	184	170	158

Factory Accessories From Rheem/Ruud:

SOLID STATE LOW WATER CUT-OFF – Probe type cut-off for field installation (AP8408).

ADJUSTABLE STAINLESS STEEL LEGS – NSF approved 1-5/8" O.D. tubular leg assembly (6" - 7-1/8") with 1-1/2" adjustable toe (AP8464).

INDICATING T & P GAUGE – Shows true temperature and pressure of rinse water before entry to dishwasher (AP10075).

PRESSURE REDUCING VALVE W/BYPASS – Reduces the supply pressure to comply with requirements of dishwasher final rinse (AP8634).

RHEEM-RUUD COMMERCIAL ELECTRIC BOOSTER WATER HEATERS

Other Features:

INTEGRAL FUSING – All models have integral fusing for each element. Class G fuses are standard with Class T fuses available, if required.

ANODE RODS – Two (2) magnesium anodes are installed in each tank for maximum corrosion resistance.

TEMPERATURE AND PRESSURE RELIEF VALVE – AGA rated and factory supplied with each unit.

ELECTRICAL CONNECTIONS – Pre-wired, accessible control box with multiple knock-outs on side in size selections to match the National Electric Code. Sizes range from 1/2" to 2". A grounding screw is provided for attaching an equipment grounding conductor.

SINGLE PANEL CONTROL BOX – With hinged stainless steel door, provides immediate access to all electrical components and elements.

CERTIFIED FOR A 150 PSI MAXIMUM WORKING PRESSURE.

TERMINAL BLOCK – All models are equipped with UL Listed terminal blocks for simplicity of installation. The terminal block will accept either copper or aluminum field connect wire.

120 VOLT CONTROL CIRCUIT – All units are furnished with a fused 120 volt control circuit. All controls (thermostats, high temperature limit, etc.) are operated off of this basic 120 volt control circuit. This circuit is created by an internal multi-tap transformer of unique design that has four (4) taps for the primary voltages, 208, 240, 277 and 480.

WATER CONNECTIONS – Hot outlet and cold inlet are 1-1/4" NPS brass nipples which prevent excessive turbulence of heated water and results in optimum tank draw.

HEAVY INSULATION – An effective blanket of insulation completely surrounds tanks to limit heat loss and assure high operating efficiency.

STAINLESS STEEL LEGS – 6" stainless steel legs are provided with each unit.

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 10 gallons. Water heater(s) shall have the UL seal of certification and supplied with an AGA rated temperature and pressure relief valve. Tank(s) shall have a unique coating of high temperature porcelain enamel and furnished with magnesium anode rods rigidly supported. Water heater(s) shall meet or exceed the efficiency requirements of ASHRAE Standard 90.1b-1992. Tank(s) shall have a working pressure rating of 150 psi, and shall be completely assembled. Water heater(s) shall be approve-listed and constructed in accordance with NSF Standard No. 5. Water heater(s) shall be equipped with "screw-in" type elements. Water heater(s) shall be constructed with a SYSTEM SENTINEL element diagnostic panel utilizing light emitting diodes. Each LED will correspond to the number and location of the heating elements and monitor their on-off function. Water heater(s) shall be provided with internal power circuit fusing, control circuit fusing, magnetic contactors, 120 volt control circuit transformer and immersion thermostat(s) with manual reset high limit control. 1-1/4" inlet and outlet water connections shall be provided. 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.



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