

HEAVY DUTY

Commercial Electric Water Heaters

American Standard[®]
WATER HEATERS

www.americanstandardwaterheaters.com

Features

- **FLEXIBLE DESIGN TO MEET DIFFERENT REQUIREMENTS** – Easily convertible in the field to different power inputs or voltages.
- **WIDE VARIETY OF CONVERSION KITS** to meet different wattage, voltage, and electric phase requirements.
- **DRY-FIRE PROTECTION & REDUCED LIME ACCUMULATION** – Screw in, INCOLOY, low wattage density to ensure more efficient operation and longer element life.
- **INDIVIDUAL FULLY AUTOMATIC SURFACE THERMOSTAT FOR EACH HEATING ELEMENT** for variable temperature control/staging; fully adjustable to 180°F.
- **FACTORY INSTALLED FUSE BOX** to protect the heating elements and thermostats.
- **FACTORY PRE-WIRED CONTROL BOX**
- **FULL SIZE HAND-HOLE CLEANOUT** for easy tank inspection & easy removal of sediment.
- **FULL FLOW BRASS DRAIN VALVE** factory provided & installed, allows easy and quick drainage.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & installed.

Performance

- **HFO FOAM INSULATED** – 3 inch-thick, environmentally-friendly insulation foam saves energy, reduces fuel cost by maximizing heat retention, and contributes to overall energy efficiency.
- **MEETS OR EXCEEDS SAFETY AND EFFICIENCY REQUIREMENTS** – All models are UL listed and CSA certified to meet NSF/ANSI 5 standards. These water heaters meet or exceed ASHRAE 90.1B-1992 standards and are listed with the California Energy Commission.

Quality

- **HEAVY GAUGE STEEL TANK** for extra years of trouble-free service.
- **GLASS-LINED TANK** with DuraGlas™ and fired at 1600°F for optimum protection from the effects of corrosion.
- **MULTIPLE MAGNESIUM ANODE RODS** to prolong tank life.
- **PRESSURE TESTED AT THE FACTORY** – All tanks are hydrostatically tested and certified at 300 PSI test pressure and 150 PSI working pressure.
- **4-YEAR LIMITED TANK WARRANTY** and 1-year limited parts warranty.

52, 80, & 120 Gallon Capacities
208 to 480 V Single or Three-Phase
13,500 to 54,000 Watts Power



Globally Recognized. Industry Respected.

SPECIFICATIONS AND APPLICATION DATA

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DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL CAPACITY (GAL)	JACKET DIAM (IN) A	FLOOR TO					FRONT CONTROL ACCESS DEPTH (IN)	WATER CONNECTION SIZE (IN)	APPROX. SHIP WEIGHT (LBS)
			COLD WATER INLET (IN) B	TOP OF CONTROL BOX (IN) C	T&P VALVE (IN) D	HEIGHT TO TOP OF HEATER (IN) E	HOT WATER OUTLET (IN) F			
CE-G2-52	52	24 ¾	6 ¼	50 ½	43 ¾	52	54	4 ½	1 ½	271
CE-G2-80	80	28 ¼	6 ¼	49	48 ¼	56 ¾	59	4 ½	1 ½	366
CE-G2-120	119	30 ¼	6 ¼	50	58 ½	67 ½	70	4 ½	1 ½	483

ELECTRICAL CHARACTERISTICS

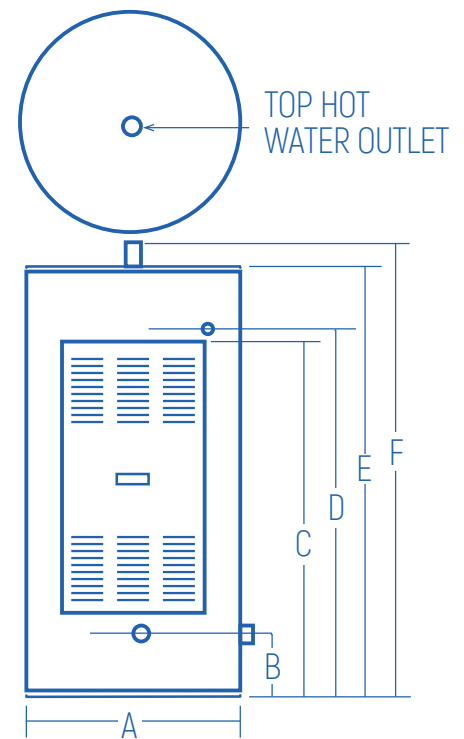
Kw INPUT	NUMBER OF ELEMENTS (FUSED MODELS)*				FULL LOAD CURRENT AMPERAGES			
	208V PHASE 1 3	240V PHASE 1 3	277V PHASE 1 3	480V PHASE 1 3	208V PHASE 1 3	240V PHASE 1 3	277V PHASE 1 3	480V PHASE 1 3
13.5	3 3	3 3	3 N/A	3 3	64.9 37.5	56.3 32.5	48.7 N/A	28.1 16.2
15	3 3	3 3	3 N/A	3 3	72.1 41.6	62.5 36.1	51.4 N/A	31.2 18.0
18	3 3	3 3	3 N/A	3 3	86.5 50.0	75.0 43.4	64.0 N/A	37.5 21.6
24	6 6	6 6	6 N/A	6 6	115.4 66.7	100.0 57.8	86.6 N/A	50.0 28.9
27	6 6	6 6	6 N/A	6 6	129.8 75.0	112.5 65.0	97.4 N/A	56.2 32.5
30	6 6	6 6	6 N/A	6 6	144.2 83.3	125.0 72.2	108.3 N/A	62.5 36.1
36	6 6	6 6	6 N/A	6 6	173.0 100.0	150.0 86.7	129.9 N/A	75.0 43.3
45	9 9	9 9	9 N/A	9 9	216.3 125.0	187.5 108.3	162.4 N/A	93.7 54.1
54	9 9	9 9	9 N/A	9 9	259.6 150.0	225.0 130.0	194.6 N/A	112.5 65.0

* Units with amperage draw of 48 amps or more require factory installed fusing.

** If the number of elements on nonfused models is different, it is indicated in parentheses following the AMP draw. Thermostat settings range from 140°F to 180°F. Optional 90°F to 150°F.

GPH RECOVERY AT VARIOUS TEMPERATURE RISES (°F)

Kw INPUT	40°	50°	60°	70°	80°	90°	100°	120°	140°
13.5	137	109	91	78	68	61	55	50	46
15	155	124	103	89	78	69	62	52	44
18	186	149	124	106	93	83	74	62	53
24	248	199	164	142	124	110	99	83	71
27	279	223	186	160	140	124	112	93	80
30	310	248	207	177	155	138	124	103	89
36	372	298	248	213	186	165	149	124	106
45	465	372	310	266	233	207	186	155	133
54	558	447	372	319	279	248	223	186	160



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SAMPLE SPECIFICATION

Commercial Electric Water Heaters shall be AMERICAN STANDARD WATER HEATERS model _____ having a storage capacity of _____ gallons, a rated input of KW _____ at _____ Volts, single phase 60 Cycle AC and a recovery rate of _____ gallons per hour at _____ °F temperature rise. Water heater tank interior shall be glass lined with Dura-Glas™, furnished with multiple anode rods and insulation shall be non-CFC foam. Water heater shall be tested and listed to Underwriters Laboratories standard UL 1453. Tanks shall have 150 PSI working pressure and be equipped with more than one Magnesium anode. All internal surfaces of the heater(s) exposed to water shall be glasslined with Dura-Glas™ and fired at 1600°F. Electric heating elements shall be low watt density. Each element shall be controlled by an individually mounted thermostat and high temperature cut-off switch. All internal circuits shall be fused. Heater tank shall have a four – year limited warranty as outlined in the written warranty. Manufacturer shall supply ASME rated temperature and pressure relief valve. Meets standby loss requirements of the U. S. Department of Energy and ASHRAE 90.1B.

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