

HIGH EFFICIENCY ULTRA LOW NOx

Commercial Gas Water Heaters

American Standard[®]

WATER HEATERS

www.americanstandardwaterheaters.com

Features

- **ULTRA-LOW NOx BURNER** exceeding the California SCAQMD & BAAQMD requirements.
- **FLEXIBLE VENTING** – Allows optional vertical or horizontal venting and certified for direct vent sealed combustion applications. Providing 135 equivalent feet for 3" or 4" venting and 65 equivalent feet for 2" venting with PVC, CPVC or ABS vent pipe.
- **ELECTRONIC CONTROL OF IGNITION & THERMOSTAT** – Provides accurate water temperature settings from 100°F to 180°F. Display panel indicates operating mode, settings and any failure modes for ease of service.
- **SUBMERGED COMBUSTION CHAMBER** – Minimizes radiant heat loss and improves efficiency.
- **ZERO INCH CLEARANCE** – To combustibles to provide additional installation flexibility.
- **FULL SIZE HAND-HOLE CLEANOUT** for convenient tank inspection and removal of sediment deposits.
- **SELF-CLEANING TURBULENCE INDUCING DIP TUBE** engineered to reduce sediment build-up inside the tank.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM**
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & installed.

Performance

- **UP TO 97% THERMAL EFFICIENCY**
- **ENERGY STAR CERTIFIED** – Uses 14% to 55% less energy than equipment that meets the minimum federal standard.
- **HFO FOAM INSULATED** – 2 inch-thick, environmentally-friendly insulation foam.
- **TESTED & LISTED WITH ETL - INTERTEK** – In accordance with ANSI Z.21.10.3 * CSA 4.3, ETL Certified to meet NSF/ANSI 5 Standards.

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.
- **DUAL 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.
- **3-YEAR LIMITED TANK WARRANTY** and 1-year limited parts warranty.

70 & 100 Gallon Capacities
Up to 250k BTU Input
Natural & LP Gas



Globally Recognized. Industry Respected.

SPECIFICATIONS AND APPLICATION DATA

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DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL CAPACITY (GAL.)	BTU INPUT NAT & LP GAS	THERMAL EFFICIENCY %	1ST HOUR DELIVERY @ 100° RISE	GPH RECOVERY @ 100° RISE	JACKET DIAM A	FLOOR TO									APPROX SHIP WT (LBS)
							TOP OF HEATER B	COLD INLET C	HOT OUTLET D	AIR INTAKE E	EXHAUST F	SIDE T & P G	DRAIN H	GAS VALVE CONNECTION J		
HE-70-125	70	125,000	94	195	146	26 ½	69	7 ¼	63 ¾	60 ¼	9 ¼	51	5 ½	62 ¼	290	
HE-100-150	100	150,000	97	245	175	28 ½	77	7 ¼	71 ½	68 ¼	9 ¼	58	5 ½	70 ¼	490	
HE-100-199	100	199,000	96	305	235	28 ½	77	7 ¼	71 ½	68 ¼	9 ¼	58	5 ½	70 ¼	490	
HE-100-250	100	250,000	94	358	288	28 ½	77	7 ¼	71 ½	68 ¼	9 ¼	58	5 ½	70 ¼	490	
HE-100-250-ASME	100	250,000	94	358	288	28 ½	77	7 ¼	70 ½	68 ¼	9 ¼	58	5 ½	70 ¼	490	

RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES

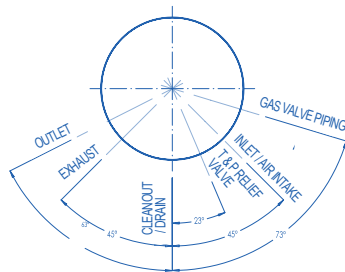
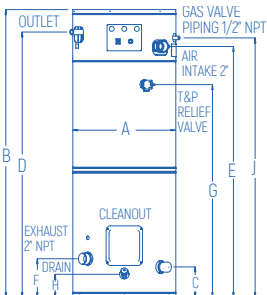
MODEL NUMBER	GAS TYPE	BTU INPUT	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
HE-70-125	NAT or L.P.	125,000	487	365	292	365	209	183	162	146	133	122	112	104
HE-100-150	NAT or L.P.	150,000	594	446	356	297	255	223	198	175	162	149	137	127
HE-100-199	NAT or L.P.	199,000	784	588	470	392	336	294	261	235	214	196	181	168
HE-100-250	NAT or L.P.	250,000	963	722	578	418	413	361	321	288	263	241	222	206
HE-100-250-ASME	NAT or L.P.	250,000	963	722	578	418	413	361	321	288	263	241	222	206

MAXIMUM EQUIVALENT VENT LENGTH (IN FEET)

MODEL NUMBER	2" PIPE	3" PIPE	4" PIPE
HE-70-125	65	135	135
HE-100-150	65	135	135
HE-100-199	65	135	135
HE-100-250	65	135	135
HE-100-250-ASME	65	135	135

CONNECTION SIZES

MODEL NUMBER	STORAGE CAPACITY	IN/OUT PORTS	T&P	GAS CONNECTION
HE-70-125	70	1 ½	¾	½
HE-100-150	100	1 ½	¾	½
HE-100-199	100	1 ½	¾	½
HE-100-250	100	1 ½	1	½
HE-100-250-ASME	100	1 ½	1	½



SAMPLE SPECIFICATION

Commercial Gas Water Heaters shall be AMERICAN STANDARD WATER HEATERS model _____ having a storage capacity of _____ gallons, operate on _____ gas, with a BTU input of _____ and a recovery rate of _____ gallons per hour at 100°F temperature rise. Water heater tank interior shall be glass lined with Dura-Glas™, furnished with four anode rods and insulation shall be non-CFC foam of R-16 Water heater shall be ETL listed.

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