

TOP CONNECT

Residential Electric Water Heaters

American Standard®
WATER HEATERS

www.americanstandardwaterheaters.com

Features

- **FULLY AUTOMATIC SURFACE MOUNTED THERMOSTATS** for controlling the temperature, combined with a manual energy cut-off to prevent overheating.
- **DUAL HEATING ELEMENTS** – Screw in, INCOLOY, low wattage density to ensure more efficient operation and longer element life.
- **TURBULENCE-INDUCING DIP TUBE** engineered to reduce sediment built up inside the tank.
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **FACTORY INSTALLED HEAT TRAPS** reduce standby heat loss caused by heat mitigation to water pipes.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & can be relocated from side to optional top of the heater.

Performance

- **UP TO 0.93 UEF**
- **UP TO 60 GALLONS FIRST HOUR RATING (FHR)**
- **HFO FOAM INSULATED** – 2 inch-thick, environmentally-friendly insulation foam saves energy, reduces fuel cost by maximizing heat retention, and contributes to overall energy efficiency.
- **MEETS OR EXCEEDS EFFICIENCY REQUIREMENTS OF THE DEPARTMENT OF ENERGY** – All models comply with and meet or exceed ASHRAE Standard 90.1 b.

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.
- **MAGNESIUM ANODE ROD** to prolong tank life.
- **CHOICE OF 6- OR 12-YEAR LIMITED TANK WARRANTY** – Standard 6-year warranty for tank and component parts. Upgraded 12-year limited tank warranty includes 12 years on the tank and 6 years on component parts. 12-year upgrade models will include a second anode rod for increased protection.

30, 40, & 50 Gallon Capacities
208 or 240 V Single Phase
Up to 6,000 Watts Power



Globally Recognized. Industry Respected.

SPECIFICATIONS AND APPLICATION DATA

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MODEL NUMBER	NOMINAL VOLUME (GAL)	DOE RATED CAPACITY (GAL)	FIRST HOUR RATING (GAL)	STD WATTAGE	GPH RECOVERY AT 90° RISE	UNIFORM ENERGY FACTOR	JACKET DIAM A	DIMENSIONS IN INCHES (HEIGHT TO)			WATER CONNECTIONS DISTANCE F	REC DRAIN PAN DIAMETER (IN)	APPROX. SHIP WEIGHT (LBS)
								WATER CONN	TOP OF HEATER	SIDE T&P			
								B	C	D			
TALL (TOP CONNECTED)													
ENS30T-6	30	27	41	4,500	21	0.92	18 ¼	50	48	41 ¾	8	20	95
ENS40T-6	40	36	51	4,500	21	0.92	20 ¼	51 ¼	49 ¼	42 ½	8	22	107
ENS50T-6	50	45	60	4,500	21	0.92	22 ¼	50 ¾	48 ¾	41 ¾	8	24	114
HIGH (TOP CONNECTED)													
ENS40H-6	40	37	51	4,500	21	0.92	18 ¼	63 ½	61 ½	55 ¼	8	20	116
ENS50H-6	50	45	65	4,500	21	0.92	20 ¼	61 ¾	59 ¾	53 ¼	8	22	140
LOW BOY (TOP CONNECTED)													
ENS30LU-6	29	27	40	4,500	21	0.93	22 ¼	34 ½	32 ½	25 ½	8	24	100
ENS40LU-6	38	36	41	4,500	21	0.91	24 ¼	36 ½	34 ¼	27	8	26	111
ENS50LU-6	46	42	52	4,500	21	0.93	26 ¼	36 ½	34 ¼	26 ¼	8	28	146
ENS30LUB-6'	30	28	40	3,500	21	0.92	19 ¾	32	30 ½	24 ½	8	22	100
ENS40LUB-6'	40	36	50	3,500	21	0.92	22 ¼	34	32 ½	25 ¾	8	24	126

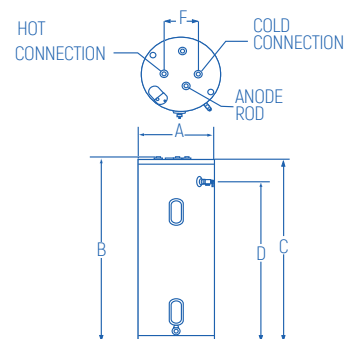
Recovery calculations used are based on 4500-watt elements used in non-simultaneous operation; Replacing 4,500 Watt heating elements, with 6,000 Watt non-simultaneous elements will increase the recovery rating from 21 GPH to 27 GPH @ 90° Rise

For alternate inputs and recovery data, please contact your local sales rep or customer service at (800) 900-9063

*Insulation blanket required to achieve UEF value. Water heater dimensions indicated are prior to installing insulation blanket. Blanket will be included with water heater. The blanket adds 3 inches to the tank height and 6 inches to tank diameter.

Water heaters are manufactured to voltage and wattage specifications. When less than design voltage is supplied to the unit, the element will still heat, but at less than the design value.

POWER DERATING VALUES	
Voltage	
240	208
Power	Derated Power
3,000	2,253
4,500	3,380
5,000	3,756
6,000	4,507



For floor to optional Top T & P Outlet see dimension "C"

- For 12-year models, change the model number suffix from "6" to "12". Example: ENS30T-12.
- All models are UL and CEC listed and meet or exceed ASHRAE 90.1 b.
- Heaters are wired for non-simultaneous operation, single phase 240 Volts with dual 4500 Watt elements, unless otherwise specified.
- All models are certified at 300 PSI test pressure and 150 PSI working pressure.
- Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

SAMPLE SPECIFICATION

Water heater 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 90°F temperature rise. Water heater tank interior shall be glass lined with Dura-Glas™, furnished with anode rod and insulation shall be non-CFC foam. Water heater shall be tested and listed to Underwriters Laboratories standard UL 174.

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