

ENS-30, 40, & 50 Residential Electric

Model available in 30, 40, & 50 gallon capacities¹
in Short, Tall & Low Boy (Top Connected)

Features

- **COMPLIES WITH NAECA REQUIREMENTS** – Effective April 16, 2015, and Federal Energy Conservation Standards, in accordance with the Energy Policy and Conversation Act, (EPCA), as amended.
- **SURFACE MOUNT THERMOSTATS** – Fully automatic for temperature control. Factory installed manual reset energy cut-off prevents overheating.
- **DOUBLE HEATING ELEMENTS** – Dual screw-in heating elements transfer heat directly to water to conserve energy.
- **SELF-CLEANING** – Turbulence inducing cold water inlet-tube engineered to diminish hard water area sediment deposits.
- **INCOLOY ELEMENTS** – Are low watt density and installed into every model to operate more efficiently and last longer than regular ones.
- **HFO FOAM INSULATED** – 2-inch thick, "Environmentally-Friendly" insulation foam saves energy, reduces fuel costs by maximizing heat retention, and contributes to overall energy efficiency.
- **HEAVY GAUGES STEEL TANK** – For extra years of trouble-free service.
- **GLASS-LINED TANK** – Inner tank glass-lined with Dura-Glas™ and fired at 1600° for optimum protection from the effects of corrosion.
- **MAGNESIUM ANODE ROD** – To protect tank life.
- **FACTORY INSTALLED DIELECTRIC HOT AND COLD WATER CONNECTIONS** – 3/4" NPT water connections to extend tank life and for easier installations.
- **PLASTIC DRAIN VALVE** – Reduces standby heat loss in water fittings.
- **FACTORY INSTALLED HEAT TRAPS** – Reduces standby heat loss in water piping.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** – Factory provided T & P Valve can be relocated from side to optional top opening.
- **CERTIFIED BY UNDER WRITERS LABORATORIES** – UL Listed to 174, meets or exceeds efficiency requirements of the Department of Energy, all models comply with and meets or exceeds ASHRAE Standard 90.1 b, National Appliance Energy Conservation Act, ANSI requirements, and tested in accordance with D.O.E. test procedures. and all state energy efficiency standards.
- **CHOICE OF SIX OR TWELVE YEARS LIMITED TANK WARRANTY** – Includes 6 or 12 Years Limited Warranty on Component Parts.

¹ Nominal Capacity

American Standard

WATER HEATERS

www.americanstandardwaterheaters.com



SPECIFICATIONS AND APPLICATION DATA

American Standard

WATER HEATERS

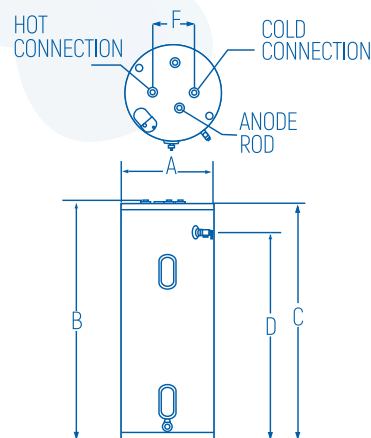
www.americanstandardwaterheaters.com

| MODEL NUMBER | NOMINAL GALLONS | RATED VOLUME (DOE) | FIRST HOUR RATING | MAXIMUM | GPH REC @ 90° RISE | UNIFORM ENERGY FACTOR | R FACTOR | DIMENSIONS IN INCHES (FLOOR TO) | | | | | | |
|-----------------------------|-----------------|--------------------|-------------------|---------|--------------------|-----------------------|----------|---------------------------------|------------|---------------|------------|--------------|----------------|--------------------------------|
| | | | | | | | | JACKET DIAM | WATER CONN | TOP OF HEATER | SIDE T & P | WATER SPREAD | APROX SHIP WGT | RECOMMENDED DRAIN PAN DIAMETER |
| | | | | | | | | A | B | C | D | F | (LBS) | (INCHES) |
| TALL (TOP CONNECTED) | | | | | | | | | | | | | | |
| ENS30T-6 | 30 | 274 | 43.5 | 6,000 | 21 | 0.92 | 24 | 18 1/4 | 50 | 48 | 41 3/4 | 8 | 94.5 | 20 |
| ENS40T-6 | 40 | 36.33 | 51.3 | 6,000 | 21 | 0.92 | 24 | 20 1/4 | 51 1/7 | 49 1/7 | 42 1/2 | 8 | 112.5 | 22 |
| ENS40H-6 | 40 | 36.12 | 54.2 | 6,000 | 21 | 0.92 | 24 | 18 1/4 | 63 3/5 | 61 3/5 | 55 1/3 | 8 | 116 | 20 |
| ENS50T-6 | 50 | 45.37 | 63.6 | 6,000 | 21 | 0.92 | 24 | 22 1/4 | 50 3/4 | 48 3/4 | 41 3/4 | 8 | 129 | 24 |
| ENS30LU-6 | 29 | 37 | 40 | 6,000 | 21 | 0.93 | 24 | 22 1/4 | 34 1/2 | 32 1/2 | 25 3/8 | 8 | 105 | 24 |
| ENS40LU-6 | 40 | 38 | 47 | 6,000 | 21 | 0.93 | 24 | 24 1/4 | 36 1/2 | 34 1/2 | 27 | 8 | 135 | 26 |
| ENS50LU-6 | 46 | 42 | 58 | 6,000 | 21 | 0.91 | 24 | 26 1/4 | 36 1/2 | 34 1/2 | 26 1/3 | 8 | 146 | 28 |

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 12 year models, change the model number suffix from "6" to "12".
Example: ENS30T-12
- All models comply with NAECA requirements 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.
- Recovery capacity based on actual performance tests.
- 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.
- American Standard Water Heaters recommends using a drain pan with a diameter that is a minimum of 1 3/4 inches wider than the water heater, and at least 2 inches tall.

Water heater shall be AMERICAN STANDARD 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.



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

