



High Efficiency Residential Gas Water Heaters

High Efficiency Models

Lochinvar's High Efficiency residential gas models are available in 40 and 50 gallon capacities in short and tall configurations and are qualified for ENERGY STAR®.

Standard Features

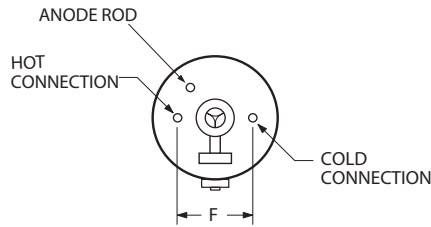
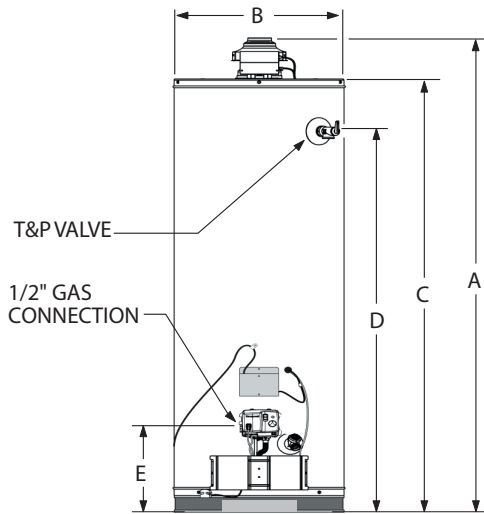
- **ENERGY STAR®** - The High Efficiency water heaters meet the ENERGY STAR requirement with .67 Energy Factor and are eligible for most utility rebate programs.
- **Code Compliance** – The High Efficiency water heater meets the National Appliance Energy Conservation Act (NAECA) Energy Factor requirements effective April 16, 2015. Meets the thermal efficiency and standby loss requirements of ASHRAE/IES 90.1. Meets UBC, CEC, SBCC, HUD and BOCA national codes.
- **Flammable Vapor Ignition Resistant** – Combustion air is directed through a flame arrestor plate specifically designed to prevent flame rollout and flammable vapor ignition.
- **Electronic Gas Control** – The gas valve features electronic ignition, control logic for precise temperature control and an LED status indicator for simplified service diagnostics. Energy Star water heaters plug into a standard 110v/120v outlet and include a 10 foot power cord.
- **Low NOx Burner** – The patented radial burner design reduces NOx emissions by more than 33% delivering less than 40 ng/j of NOx.
- **Flue Damper** – An automatic flue damper opens and closes to reduce heat loss up the vent during standby mode.
- **Glass-Lined Steel Tank** – The durable glass lining is fused to the steel tank at 1600°F to assure lasting protection against rust and corrosion while providing clear, clean hot water. 300 PSI test pressure; 150 PSI working pressure.
- **Non-CFC Foam Insulation** – A uniform coverage of thick closed-cell foam insulation minimizes standby heat loss, maximizes heat retention and delivers a high Energy Factor.
- **Tank Saver Anode** – A large diameter, high capacity anode inhibits corrosion of the tank interior for long, trouble-free service.
- **Heat Trap** – Heat traps are built into the inlet and outlet connections to eliminate heat migration and heat loss in the water piping.
- **Sight Glass** – A built-in sight glass provides an unobstructed view of the burner and pilot flame.
- **Temperature & Pressure Relief Valve** – Factory installed for optimum safety.
- **Brass Drain Valve** – An enhanced ball valve design for effective drainage and positive shut-off.
- **6 Year Limited Tank & Parts Warranty*** – See warranty sheet for details.
- **10 Year Extended Warranty** – Available for residential applications only.

*1-year limited tank & parts warranty when installed in a commercial application.



All models meet or exceed the NAECA and ASHRAE Energy Efficiency Standards

Dimensions and Specifications:



FOR EASE IN ORDERING BY MODEL NUMBER

L	T	N	040	40	ES
Residential Gas	Tall	Natural Gas	Gallon Capacity	Input Rate	Energy Star

This is a tall residential natural gas 40 gallon water heater with 40,000 Btu/Hr input rate with Energy Star endorsement.

Model Number	Gal. Cap.	Nat. Gas Btu/Hr Input	LP Gas Btu/Hr Input	Energy Factor	1st Hr. Rating	GPH @ 90°F Rise	A	B	C	D	E	F	Gas Conn.	Water Conn.	Vent Size	Ship. Wt.
High Efficiency Short Models																
LSN040 40ES	40	40,000	36,000	0.67	67	42	54"	22"	47-3/4"	41"	13"	8"	1/2"	3/4"	3" or 4"	149
High Efficiency Tall Models																
LTN040 40ES	40	40,000	36,000	0.67	67	42	64-1/4"	20"	58-1/4"	51-3/4"	13"	8"	1/2"	3/4"	3" or 4"	152
LTN050 40ES	50	40,000	37,000	0.67	81	42	63-1/2"	22"	57-1/4"	50-1/4"	13"	8"	1/2"	3/4"	3" or 4"	167

Notes: "N" indicates Natural gas, replace "N" with "L" to indicate LP gas model.

Certified for Potable Water and Space Heating Applications

This water heater is suitable for water heating and space heating. Toxic chemicals, such as those used for boiler water treatment shall NEVER be introduced into this system. This water heater may NEVER be connected to any existing heating system or components previously used with non-potable water heating appliances.



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