

L.E.S. Inc.

SERIES VI

CONDENSING WATER HEATER



High Efficiency Condensing Water Heater

Efficiency from 85% up to 96%+

Standard Features

- Modulating HTD Burner By PowerFlame
- L.E.S. 5 Year Warranty
- ASME Constructed to Section IV
- 100 psi Working Pressure
- 40°F to 210°F
- CSD-1 Compliant Burner and Control

L.E.S. Inc

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www.lesboilers.com

Standard Features

- Motorized Gas Valve & Solenoid
- 325-3 Pilot Regulator
- Motor Load Protection
- UV Scanner
- Fully Hot Dip Galvanized
- Gas Train Prepped and Wired

L.E.S. High Efficiency Condensing Water Heaters

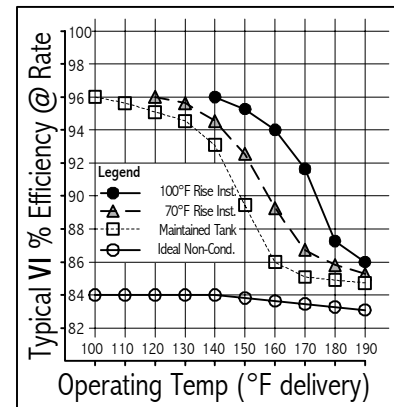
RATINGS // DATA // DIMENSIONS

| Model: VI- | 90G | 100GS | 120G | 200G | 240G |
|-------------------------------|------|-------|------|------|------|
| Input | | | | | |
| Gas (MB/CF) CFH | 750 | 850 | 1000 | 1500 | 2000 |
| Output | | | | | |
| Nominal MBH Condensing | 720 | 816 | 960 | 1440 | 1920 |
| GPH 50°F-120°F | 1234 | 1398 | 1645 | 2467 | 3290 |
| GPH 40°F-140°F | 864 | 979 | 1151 | 1727 | 2303 |
| Gas Burner Motor HP | .33 | .33 | .33 | .50 | .75 |
| Standard Turndown | 5:1 | 5:1 | 5:1 | 5.1 | 5:1 |
| Recirculating Pump FLA | 1.70 | 2.15 | 2.15 | 2.10 | 4.80 |
| Package Full Load Amps | 12.5 | 15.0 | 15.0 | 20.0 | 23.5 |
| Sq.Ft. Htg. Surface | | | | | |
| Primary | 14.3 | 16.6 | 17.4 | 25.8 | 25.3 |
| Total Fireside | 82 | 91 | 110 | 183 | 214 |
| Total Waterside | 91 | 100 | 121 | 201 | 236 |
| Boiler Data | | | | | |
| Furnace Vol. (Cu.Ft.) | 5.0 | 6.5 | 7.1 | 13.7 | 13.7 |
| Water Cap. (Gal; Full) | 100 | 137 | 126 | 219 | 209 |
| Dry Weight (LBS) | 1260 | 1450 | 1575 | 2525 | 2730 |
| Dimensions in Inches | | | | | |
| A Skid Length | 30¼ | 34¼ | 34¼ | 45 | 45 |
| AA Overall Length | 56 | 60 | 60 | 75 | 75 |
| B Width | 30¼ | 34¼ | 34¼ | 45 | 45 |
| C Height | 76½ | 76½ | 76½ | 77½ | 77½ |
| F Flue Conn. Size | 4 | 4 | 4 | 6 | 6 |
| FC Flue Conn. Height | 7 | 7 | 7 | 8½ | 8½ |
| G Gas Conn. Size* | 1 | 1¼ | 1¼ | 1¼ | 1½ |
| P Burner Port Height | 60 | 60 | 60 | 61 | 61 |
| Burner Port ID | 9 | 9 | 9 | 9 | 9 |
| R Return Size | 2 | 2 | 2 | 3 | 3 |
| Return Height | 14 | 14 | 14 | 14 | 14 |
| S Supply Size | 2 | 2 | 2 | 3 | 3 |
| Supply Height | 74½ | 75 | 75 | 76 | 76 |

* 7" W.C. (min) available. Gas A connection height = P.

- ~ Single Pass Vertical Firetube
- ~ 100 psi; 40°F to 210°F
- ~ 85% to 96% Efficiency @ Rate

Condensing water heater efficiencies are primarily controlled by storage/delivery temp, but operating mode (effective EWT) will impact enthalpy recovery @ rate per chart (greater efficiency @ reduced input).



- PowerFlame Modulating HTD Burners provide maximum enthalpy recovery @ all operating temperatures.
- 5 year warranty against thermal shock & fireside corrosion.
- Vertical design condensate removal gravity advantage with continuous recirc for optimum flow/storage flexibility.
- Efficiencies up to 96% will be obtained @ standard 5:1 turndown.

