

# **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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Wyoming, IL 61491  
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[www.lesboilers.com](http://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

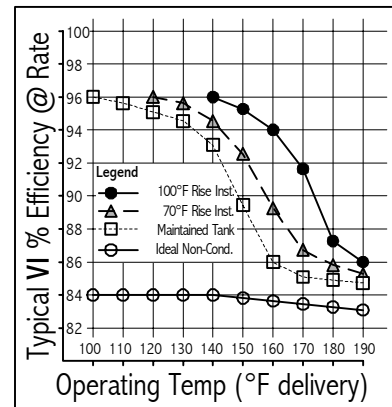
## RATINGS // DATA // DIMENSIONS

Model: VI-	90G	100GS	120G	200G	240G
<b>Input</b>					
Gas (MB/CF) CFH	750	850	1000	1500	2000
<b>Output</b>					
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
<b>Gas Burner Motor HP</b>	.33	.33	.33	.50	.75
Standard Turndown	5:1	5:1	5:1	5.1	5:1
<b>Recirculating Pump FLA</b>	1.70	2.15	2.15	2.10	4.80
<b>Package Full Load Amps</b>	12.5	15.0	15.0	20.0	23.5
<b>Sq.Ft. Htg. Surface</b>					
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
<b>Boiler Data</b>					
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
<b>Dimensions in Inches</b>					
<b>A</b> Skid Length	30¼	34¼	34¼	45	45
<b>AA</b> Overall Length	56	60	60	75	75
<b>B</b> Width	30¼	34¼	34¼	45	45
<b>C</b> Height	76½	76½	76½	77½	77½
<b>F</b> Flue Conn. Size	4	4	4	6	6
<b>FC</b> Flue Conn. Height	7	7	7	8½	8½
<b>G</b> Gas Conn. Size*	1	1¼	1¼	1¼	1½
<b>P</b> Burner Port Height	60	60	60	61	61
Burner Port ID	9	9	9	9	9
<b>R</b> Return Size	2	2	2	3	3
Return Height	14	14	14	14	14
<b>S</b> 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.

