

L.E.S. Inc.

SERIES VI CONDENSING BOILER



High Efficiency Condensing Steel Fire Tube Boiler Efficiency from 85% up to 97%+

Standard Features

- Modulating HTD Burner By PowerFlame
- L.E.S. 5 Year Warranty
- ASME Constructed to Section IV
- 30 to 100 psi Working Pressure
- 40°F to 240°F
- CSD-1 Compliant Burner and Control
- Motorized Gas Valve & Solenoid
- 325-3 Pilot Regulator
- Motor Load Protection
- UV Scanner
- Thermal Shock Resistant Vertical Design
- Fireside Condensing Surfaces Coated
- Fully Hot Dip Galvanized on [G] Models
- Accessible Anodes on [G] Models

Optional Features

- IRI Code Requirements
- Sealed Combustion
- Control System

L.E.S. Series VI High Efficiency Condensing Boilers

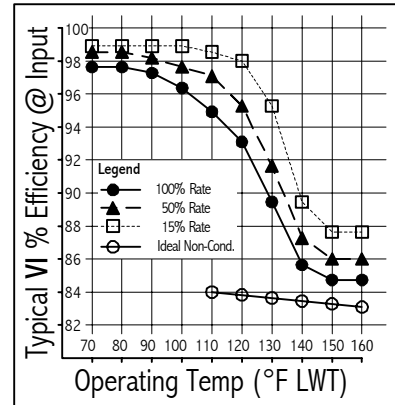
RATINGS // DATA // DIMENSIONS

Model: VI-	90	120	240	90G	100GS	120G	240G
Input							
Gas (MB/CF) CFH	750	1000	2000	750	850	1000	2000
Output							
MBH @ 180°F LWT	638	850	1700	638	723	850	1700
Nominal Boiler HP	19.0	25.4	50.7	19.0	21.6	25.4	50.7
MBH @ 90°F LWT	731	975	1950	731	829	975	1950
DHW GPH 50°F-120°F	—	—	—	1253	1420	1671	3341
Process GPH 40°F-140°F	—	—	—	864	979	1151	2303
Gas Burner Motor HP	.33	.33	.75	.33	.33	.33	.75
Recirculating Pump FLA	0.74	1.70	2.15	0.74	1.70	1.70	2.15
Sq. Ft. Htg. Surface							
Primary	14.3	17.4	25.3	14.3	16.6	17.4	25.3
Total Fireside	82	110	214	82	91	110	214
Total Waterside	91	121	236	91	100	121	236
Boiler Data							
Furnace Vol. (Cu.Ft.)	5.0	7.1	13.7	5.0	6.5	7.1	13.7
Water Cap. (Gal; Full)	101	127	211	100	137	126	209
Dry Weight (LBS)	1200	1500	2600	1260	1450	1575	2730
Dimensions in Inches							
A Skid Length	30¼	34¼	45	30¼	34¼	34¼	45
AA Overall Length	56	60	75	56	60	60	75
B Width	30¼	34¼	45	30¼	34¼	34¼	45
C Height	76½	76½	77½	76½	76½	76½	77½
F Flue Conn. Size	4	4	6	4	4	4	6
FC Flue Conn. Height	7	7	8½	7	7	7	8½
G Gas Conn. Size*	1	1¼	1½	1	1¼	1¼	1½
P Burner Port Height	60	60	61	60	61	60	61
Burner Port ID	9	9	9	9	9	9	9
R Return Size **	1½	2	3	1½	2	2	3
Return Height	14	14	14	14	14	14	14
S Supply Size **	1½	2	3	1½	2	2	3
Supply Height	74½	75	76	74½	75	75	76

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

- ~ Single Pass Vertical Firetube
- ~ 30 to 100 psi; 40°F to 240°F
- ~ 85% to 97.5% Efficiency @ Rate

Condensing boiler efficiencies are primarily controlled by fluid operating temp and flow/delta, but enthalpy recovery can be improved by turndown matching of partial loads. 10°F delta (or DHW) chart below.



- 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 proprietary coating of condensing fireside surfaces.
- Fully Hot Dip Galvanized [G] models with easy-access sacrificial anodes available for water heating applications

