

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

L.E.S. Inc

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Standard Features

- Motorized Gas Valve & Solenoid
- 325-3 Pilot Regulator
- Motor Load Protection
- UV Scanner
- Thermal Shock Resistant Vertical Design
- Fireside Condensing Surfaces Coated

L.E.S. High Efficiency Condensing Boilers

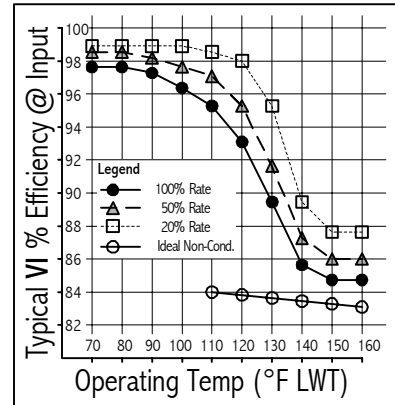
RATINGS // DATA // DIMENSIONS

Model: VI-	90	100	120	200	240
Input					
Gas (MB/CF) CFH	750	850	1000	1500	2000
Output					
MBH @ 180°F LWT	638	723	850	1275	1700
Nominal Boiler HP	19.0	21.6	25.4	38.1	50.7
MBH @ 90°F LWT	731	829	975	1463	1950
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)	101	138	127	220	211
Dry Weight (LBS)	1200	1400	1500	2425	2600
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 **	3	4	4	4	4
Return Height	14	14	14	14	14
S Supply Size **	3	4	4	4	4
Supply Height	74½	75	75	76	76

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

- ~ 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. Full system flow 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.
- Thermal shock-proof vertical design with optimum flow flexibility.

