

L.E.S. High Efficiency Condensing Water Heaters

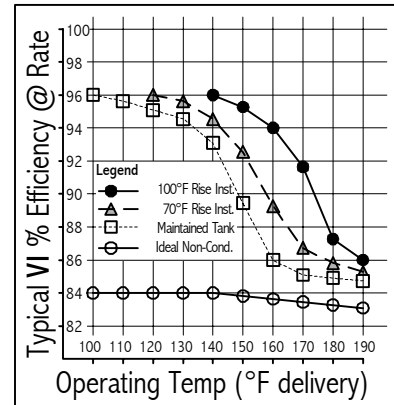
RATINGS // DATA // DIMENSIONS

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.

