

L.E.S. Series HW "Scotch Box" Boilers

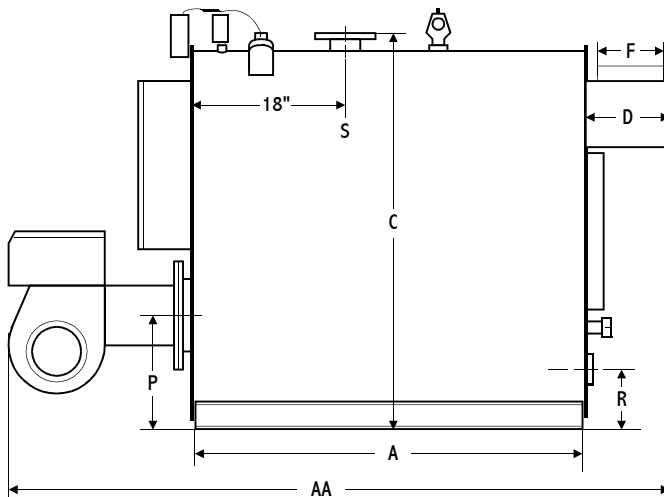
3-Pass Firetube • 30, 40, or 80 psi Water • 83% Efficiency • 4 sq.ft. Waterside Heating Surface per BHP

Ratings/Data/Dimensions

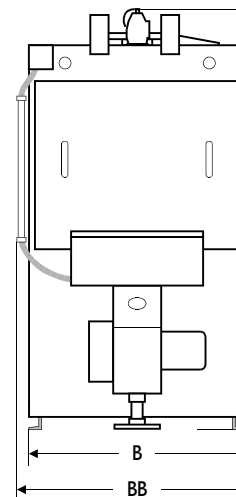
Model: HW-	580	800	950	1150	1450	1800	2070	2200	2650	3000	3350	3680
Input												
Gas (MB/CF) CFH	695	960	1140	1385	1745	2165	2490	2650	3190	3610	4035	4430
Oil (140MB/Gal) GPH	5.0	6.9	8.1	9.9	12.5	15.5	17.8	18.9	22.8	25.8	28.8	31.6
Output												
MBH	580	800	950	1150	1450	1800	2070	2200	2650	3000	3350	3680
Boiler Horsepower	17	24	28	34	43	54	62	66	79	90	100	110
Gas Burner Motor HP	.25	.33	.33	.33	.5	.75	1.0	1.0	2.0	3.0	3.0	3.0
Oil Burner Motor HP	.33	.5	.5	.75	1.0	1.0	1.5	1.5	2.0	3.0	3.0	5.0
SQ.FT. Heating Surface												
Primary	16.7	20.8	20.6	24.7	28.7	35.6	40.4	40.4	46.6	46.5	51.9	57.3
Total Fireside	61	85	101	125	154	199	234	234	285	324	358	403
Total Waterside	66	93	111	138	170	220	258	258	315	359	397	447
Boiler Data												
Furnace Vol. (CU.FT.)	4.5	6.1	6.1	7.7	9.3	13.6	15.8	15.8	20.3	20.3	23.2	26.0
Water Cap. (Gal; Full)	80	104	99	123	145	197	229	229	272	260	300	337
Dry Weight (LBS)	1250	1525	1600	1875	2175	2775	3175	3175	3700	4150	4275	4675
Dimensions in Inches												
A Skid Length	29	39	39	49	59	59	68	68	68	68	78	88
AA Overall Length	64	76	76	91	110	112	121	121	128	128	138	154
B Width	28	28	28	28	28	34	34	34	34	34	34	34
BB Trimmed Width (Std)	30	30	30	30	30	36	36	36	36	36	36	36
C Height	58	58	58	58	58	64	64	64	72	72	72	72
CC Trimmed Height	64	64	64	64	64	71	71	71	80	80	80	80
D Rear Smokebox Depth	10	12	12	12	12	14	14	14	16	16	16	16
F Flue Connection Size	6	8	8	8	8	10	10	10	12	12	12	12
Flue Connection Height	48	48	48	48	48	56	56	56	62	62	62	62
P Burner Port Height	18	18	18	18	18	20	20	20	20	20	20	20
Burner Port ID	9¼	9¼	9¼	9¼	9¼	12¼	12¼	12¼	14½	14½	14½	14½
R Return Size (NPT)	2	2	3	3	3	4	4	4	4	4	4	4
Return Height	8½	8½	8½	8½	8½	10½	10½	10½	10½	10½	10½	10½
S Supply Size (*=Flange)	2	2	3	3	3	4*	4*	4*	4*	4*	4*	4*
Supply Height	58	58	58	58	58	64	64	64	72	72	72	72

30 psi design pressure standard. 40 or 80 psi design available. Consult L.E.S. for high pressure weights.

Side View



Front View



Rear View

