

L.E.S. Series HW3 "Scotch Box" Boilers

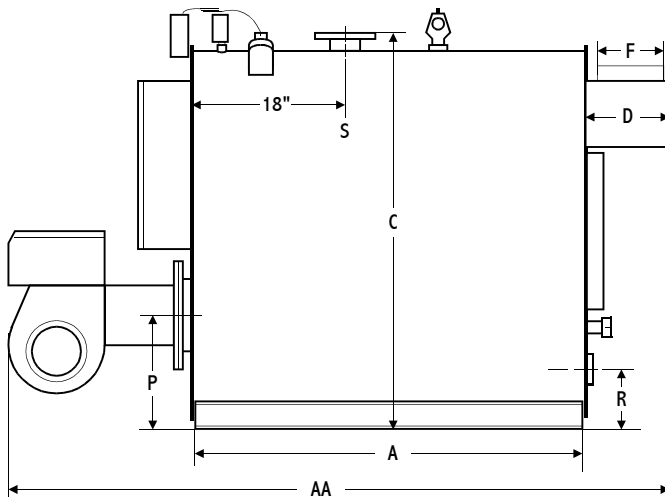
3-Pass Firetube • 30, 40, or 80 psi Water • 83% Efficiency • 4 sq.ft. Fireside Heating Surface per BHP

Ratings/Data/Dimensions

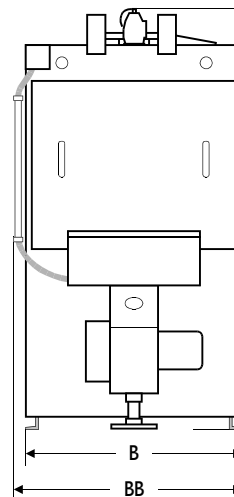
Model: HW3-	15	20	25	30	40	50	60	70	80	90	100
Input											
Gas (MB/CF) CFH	600	800	1000	1200	1610	2010	2410	2820	3220	3620	4035
Oil (140MB/Gal) GPH	4.3	5.7	7.1	8.6	11.5	14.4	17.2	20.1	23.0	25.9	28.8
Output											
MBH	500	670	835	1000	1340	1675	2010	2345	2680	3015	3350
Boiler Horsepower	15	20	25	30	40	50	60	70	80	90	100
Gas Burner Motor HP	.25	.33	.33	.33	.5	.75	1.0	1.0	2.0	3.0	3.0
Oil Burner Motor HP	.33	.33	.5	.5	.75	1.0	1.5	1.5	2.0	3.0	3.0
SQ.FT. Heating Surface											
Primary	16.7	20.8	20.6	24.7	28.7	35.6	40.4	46.6	46.5	51.9	57.3
Total Fireside	61	85	101	125	154	199	234	285	324	358	403
Total Waterside	66	93	111	138	170	220	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	20.3	20.3	23.2	26.0
Water Cap. (Gal; Full)	80	104	99	123	145	197	229	272	260	300	337
Dry Weight (LBS)	1250	1525	1600	1875	2175	2775	3175	3700	4150	4275	4675
Dimensions in Inches											
A Skid Length	29	39	39	49	59	59	68	68	68	78	88
AA Overall Length	64	76	76	86	101	112	121	123	128	138	148
B Width	28	28	28	28	28	34	34	34	34	34	34
BB Trimmed Width (Std)	30	30	30	30	30	36	36	36	36	36	36
C Height	58	58	58	58	58	64	64	72	72	72	72
CC Trimmed Height	64	64	64	64	64	71	71	80	80	80	80
D Rear Smokebox Depth	10	12	12	12	12	14	14	16	16	16	16
F Flue Connection Size	6	8	8	8	8	10	10	12	12	12	12
Flue Connection Height	48	48	48	48	48	56	56	62	62	62	62
P Burner Port Height	18	18	18	18	18	20	20	20	20	20	20
Burner Port ID	9¼	9¼	9¼	9¼	9¼	12¼	12¼	14½	14½	14½	14½
R Return Size (NPT)	2	2	3	3	3	4	4	4	4	4	4
Return Height	8½	8½	8½	8½	8½	10½	10½	10½	10½	10½	10½
S Supply Size (*=Flange)	2	2	3	3	3	4*	4*	4*	4*	4*	4*
Supply Height	58	58	58	58	58	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

