

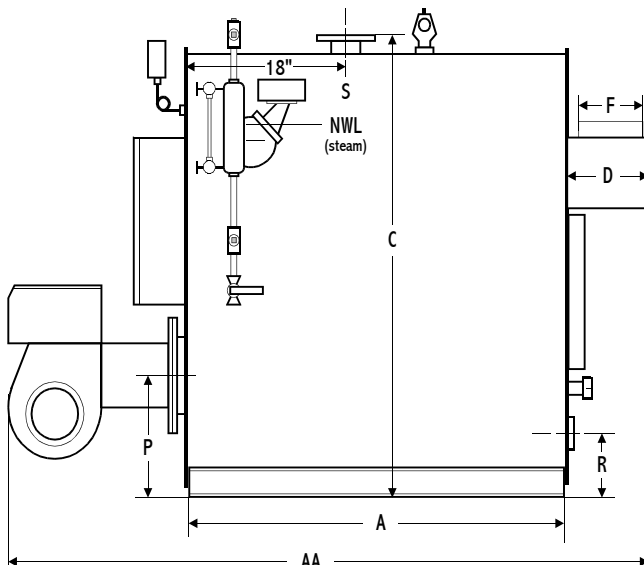
# L.E.S. Series HF "Scotch Box" Boilers

3-Pass Firetube • 15# Steam / 30# Water • 83% Efficiency • 4 sq.ft. Waterside Heating Surface per BHP

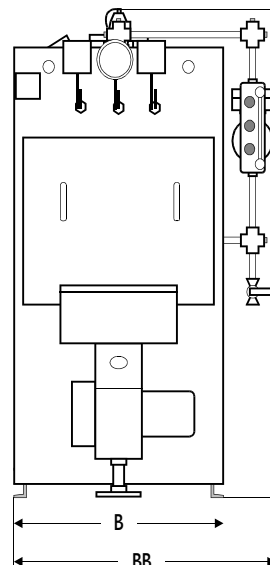
## Ratings/Data/Dimensions

Model: HF-	580	800	1000	1250	1500	1800	2070	2250	2650	2760	3000	3350	3680	4040
<b>Input</b>														
Gas (MB/CF) CFH	695	960	1200	1505	1805	2165	2490	2710	3190	3325	3610	4035	4430	4865
Oil (140MB/Gal) GPH	5.0	6.9	8.6	10.8	12.9	15.5	17.8	19.4	22.8	23.8	25.8	28.8	31.6	34.8
<b>Output</b>														
MBH	580	800	1000	1250	1500	1800	2070	2250	2650	2760	3000	3350	3680	4040
Boiler Horsepower	17	24	30	37	45	54	62	67	79	82	90	100	110	120
Gas Burner Motor HP	.25	.33	.33	.33	.5	.5	1.0	1.0	2.0	2.0	3.0	3.0	3.0	5.0
Oil Burner Motor HP	.33	.5	.5	.75	1.0	1.0	1.5	1.5	2.0	2.0	3.0	3.0	5.0	5.0
<b>SQ.FT. Heating Surface</b>														
Primary	16.7	20.8	20.6	24.7	28.7	35.6	40.4	40.4	46.6	46.6	46.5	51.9	51.8	57.3
Total Fireside	62	86	109	134	163	200	242	242	286	298	325	376	386	424
Total Waterside	68	94	120	148	180	221	267	267	316	329	360	417	428	470
<b>Boiler Data</b>														
Furnace Vol. (CU.FT.)	4.5	6.1	6.1	7.7	9.3	13.6	15.8	15.8	20.3	20.3	20.3	23.2	23.2	26.0
Water Cap. (Gal; NWL)	89	116	108	135	160	206	237	237	282	278	270	306	303	344
Water Cap. (Gal; Full)	112	146	139	173	206	275	318	318	363	359	350	398	395	447
Dry Weight (LBS)	1350	1650	1750	2100	2425	3000	3450	3450	3925	3975	4075	4550	4600	4975
<b>Dimensions in Inches</b>														
<b>A</b> Skid Length	29	39	39	49	59	59	68	68	68	68	68	78	78	88
<b>AA</b> Overall Length	64	76	76	91	110	112	121	121	128	128	128	138	144	154
<b>B</b> Width	28	28	28	28	28	34	34	34	34	34	34	34	34	34
<b>BB</b> Trimmed Width (Std)	40	40	40	40	40	46	46	46	46	46	46	46	46	46
<b>C</b> Height	64	64	64	64	64	72	72	72	78	78	78	78	78	78
<b>CC</b> Trimmed Height	72	72	72	72	72	79	79	79	86	86	86	86	86	86
<b>D</b> Rear Smokebox Depth	10	12	12	12	12	14	14	14	16	16	16	16	16	16
<b>F</b> Flue Connection Size	6	8	8	8	8	10	10	10	12	12	12	12	12	12
Flue Connection Height	50	50	50	50	50	54	54	54	61	61	61	61	61	61
<b>P</b> Burner Port Height	18	18	18	18	18	20	20	20	20	20	20	20	20	20
Burner Port ID	9¼	9¼	9¼	9¼	9¼	12¼	12¼	12¼	14½	14½	14½	14½	14½	14½
<b>R</b> Return Size (NPT)	2	2	3	3	3	4	4	4	4	4	4	4	4	4
Return Height	8½	8½	8½	8½	8½	10½	10½	10½	10½	10½	10½	10½	10½	10½
<b>S</b> Supply Size (*=Flange)	3	3	4*	4*	4*	6*	6*	6*	6*	6*	6*	6*	8*	8*
Supply Height	64	64	64	64	64	72	72	72	78	78	78	78	78	78

Side View



Front View



Rear View

