

L.E.S. Series HFC "Scotch Box" Multi-Function Boilers

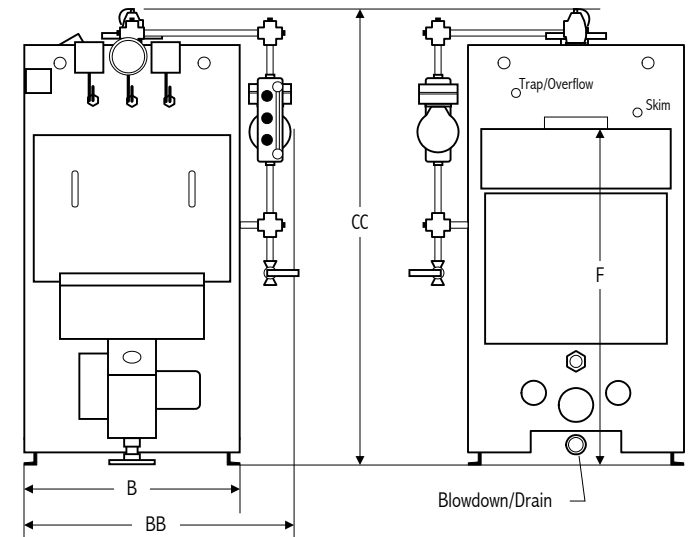
3-Pass Firetube Boilers with Integral Finned Copper Heat Exchangers • 15# Steam or 30# Water Direct • 125# Water Indirect • 83% Efficiency

RATINGS // DATA // DIMENSIONS

Model: HFC-	580	800	1000	1200	1500	1800	2300	2760	3000	3350
Input										
Gas (MB/CF) CFH	695	960	1200	1440	1805	2165	2770	3325	3610	4035
Oil (140MB/Gal) GPH	5.0	6.9	8.6	10.3	12.9	15.5	19.8	23.8	25.8	28.8
Output										
MBH	580	800	1000	1200	1500	1800	2300	2760	3000	3350
Boiler Horsepower	17.3	23.9	29.9	35.8	44.8	53.8	68.7	82.4	89.6	100.1
Gas Burner Motor HP	.25	.33	.33	.33	.5	1.0	1.0	2.0	3.0	3.0
Oil Burner Motor HP	.33	.33	.5	.75	1.0	1.5	1.5	2.0	3.0	3.0
Sq.Ft. Heating Surface										
Primary	16.4	20.5	24.5	28.5	33.8	38.5	44.2	49.6	49.5	49.4
Total Fireside	64	86	107	127	167	199	249	299	324	348
Total Waterside	69	94	117	140	184	219	274	331	359	386
Boiler Data										
Furnace Vol. (CU.FT.)	4.5	6.1	7.7	9.3	12.8	15.1	19.3	22.2	22.2	22.2
Water Cap. (Gal; NWL)	87	114	142	170	220	254	298	335	327	320
Water Cap. (Gal; Full)	110	145	180	215	289	335	378	427	420	412
Dry Weight (LBS)	1450	1700	2325	2500	3000	3375	3700	3950	4125	4275
Max. Heat Exchanger Data									<u>3-run Coils Only</u>	
Model #	4S-14	4M-18 ¹	4M-21 ¹	4L-24	4L-27.5 ²	4L2-14 ²	4L-32 ³	4L2-16 ³	3L2-16 ³	3L2-16 ³
Heating Surface (sq.ft.)	39.4	50.6	59.1	67.5	77.3	78.7	90.0	90.0	67.5	67.5
Cv (gpm @ 1psi drop)	9.8	8.1	7.3	6.7	6.5	18.8	6.3	18.4	18.4	18.4
MBH @ 50°F Inlet	435	560	650	750	860	860	1000	1000	750	750
DHW GPH (50° to 150°F)	525	675	800	900	1050	1050	1200	1200	900	900
Dimensions in Inches										
A Skid Length	29	39	49	59	59	68	68	78	78	78
AA Overall Length	70	80	90	100	102	112	114	124	124	124
B Width	28	28	28	28	34	34	34	34	34	34
BB Trimmed Width (Std)	40	40	40	40	46	46	46	46	46	46
C Height	64	64	64	64	72	72	78	78	78	78
CC Trimmed Height	72	72	72	72	79	79	86	86	86	86
D Rear Smokebox Depth	10	10	10	10	14	14	16	16	16	16
F Flue Connection Size	6	8	8	8	10	10	12	12	12	12
Flue Connection Height	50	50	50	50	54	54	61	61	61	61
P Burner Port Height	18	18	18	18	20	20	20	20	20	20
Burner Port ID	9¼	9¼	9¼	9¼	12¼	12¼	14½	14½	14½	14½
R Return Size (NPT)	2	2	3	3	4	4	4	4	4	4
Return Height	8½	8½	8½	8½	10½	10½	10½	10½	10½	10½
S Supply Size (*=Flange)	3	3	4*	4*	6*	6*	6*	6*	6*	6*
Supply Height	64	64	64	64	72	72	78	78	78	78

Front View

Rear View



Side View

