

*SERIES 3*



*SERIES 4S*



*C SERIES*



*SERIES 4FH*



*SERIES 4N*



Design	Firetube	Firetube	Firetube	Firetube	Firetube
Heat Exchanger	3 Pass	4 Pass	3 Pass	3 Pass	3 Pass
Standard Design Pressure - Steam	15 psi/150 psi	15 psi/150 psi	15 psi/30 psi	15 psi	15 psi/150 psi
Standard Design Pressure - Water	30 psi/125 psi	30 psi/125 psi	30 psi/60 psi	30 psi/60 psi	30 psi/60 psi
Burners	Customer Preference	Customer Preference	Customer Preference	Customer Preference	N/A
Fuel	Gas/Oil/Propane	Gas/Oil/Propane	Gas/Oil/Propane	Gas/Oil/Propane	Coal/Biomass
Venting	Forced Draft	Forced Draft	Forced Draft	Forced Draft	Natural Draft
Heating Surface - Sq. Ft.	5.0	5.0	Varies	5.0	Varies
Low Pressure Water Coil	Yes	Yes	Yes	Yes	Yes
DOE/AHRI Status	Certified	Certified	Certified	Certified	N/A

**Series 3—Ratings**

Boiler Model	INPUT			OUTPUT				
	Gas Input (MBH)	Oil Input (MBH)	Oil Input (GPH)	Water		Steam		
				Output (MBH)	Output (BHP)	Output (MBH)	Output (BHP)	Output (LBS./HR.)
3-40	1,674	1,638	11.7	1,374	41.1	1,354	40.5	1,396
3-50	2,092	2,030	14.5	1,728	51.6	1,707	51.0	1,760
3-60	2,511	2,436	17.4	2,087	62.3	2,064	61.7	2,128
3-70	2,929	2,814	20.1	2,402	71.7	2,381	71.1	2,455
3-80	3,348	3,220	23.0	2,772	82.8	3,759	82.4	2,844
3-90	3,766	3,626	25.9	3,152	94.2	3,133	93.6	3,230
3-100	4,184	4,046	28.9	3,531	105.5	3,506	104.7	3,614
3-125	5,230	4,998	35.7	4,283	128.0	4,257	127.2	4,388
3-150	6,277	6,034	43.1	5,241	156.6	5,204	155.4	5,363
3-175	7,323	7,042	50.3	6,188	184.9	6,144	183.5	6,333
3-200	8,369	8,064	57.6	7,130	213.0	7,080	211.5	7,297
3-250	10,461	10,038	71.7	8,714	260.3	8,641	258.1	8,906
3-300	12,553	12,082	86.3	10,607	316.9	10,532	314.6	10,855
3-350	14,645	14,014	100.1	12,155	363.1	12,053	360.1	12,422
3-400	16,738	16,072	114.8	14,060	420.0	13,943	416.5	14,370
3-500	20,922	20,062	143.3	17,554	524.4	17,407	520.0	17,940
3-600	25,106	24,164	172.6	21,340	637.5	21,164	632.2	21,813
3-700	29,291	28,238	201.7	25,102	749.9	24,897	743.8	25,660

NOTE: Dimensions and Data are not for construction purposes and are subject to change without notice

**Series 4S—Ratings**

Boiler Model	INPUT			OUTPUT				
	Gas Input (MBH)	Oil Input (MBH)	Oil Input (GPH)	Water		Steam		
				Output (MBH)	Output (BHP)	Output (MBH)	Output (BHP)	Output (LBS./HR.)
4S-100	4,184	4,032	28.80	3,552	106.1	3,506	104.7	3,614
4S-125	5,230	5,068	36.20	4,451	133.0	4,409	131.7	4,544
4S-150	6,277	6,062	43.30	5,298	158.3	5,248	156.8	5,409
4S-175	7,323	7,084	50.60	6,239	186.4	6,181	184.6	6,370
4S-200	8,369	8,120	58.00	7,172	214.3	7,105	212.3	7,323
4S-250	10,461	10,122	72.30	8,923	266.6	8,840	264.1	9,111
4S-300	12,553	12,166	86.90	10,796	322.5	10,695	319.5	11,023
4S-350	14,645	14,196	101.40	12,580	375.8	12,463	372.3	12,845
4S-400	16,738	16,226	115.90	14,445	431.5	14,311	427.5	14,750
4S-500	20,922	20,286	144.90	18,014	538.1	17,846	533.1	18,393
4S-600	25,106	24,346	173.90	21,742	649.5	21,566	644.2	22,227
4S-700	29,291	28,364	202.60	25,278	755.1	25,044	748.1	25,811
4S-800	33,475	32,466	231.90	29,023	867.0	28,789	860.0	29,670

**C Series—Ratings**

Boiler Model	INPUT			OUTPUT				
	Gas Input (MBH)	Oil Input (MBH)	Oil Input (GPH)	Water		Steam		
				Output (MBH)	Output (BHP)	Output (MBH)	Output (BHP)	Output (LBS./HR.)
C-20	816	784	5.6	673	20.1	660	19.7	681
C-30	1,225	1,176	8.4	1,015	30.3	996	29.8	1,027
C-40	1,633	1,568	11.2	1,359	40.6	1,335	39.9	1,376
C-50	2,041	1,960	14.0	1,706	51.0	1,677	50.1	1,729
C-60	2,449	2,352	16.8	2,057	61.4	2,023	60.4	2,085
C-70	2,858	2,744	19.6	2,400	71.7	2,369	70.8	2,442
C-80	3,266	3,136	22.4	2,749	82.1	2,714	81.1	2,798
C-90	3,674	3,542	25.3	3,100	92.6	3,064	91.5	3,158
C-100	4,082	3,934	28.1	3,457	103.3	3,417	102.1	3,522
C-125	5,102	4,900	35.0	4,295	128.3	4,245	126.8	4,375
C-150	6,123	5,880	42.0	5,173	154.5	5,113	152.7	5,270
C-175	7,144	6,874	49.1	6,050	180.7	5,980	178.6	6,163
C-200	8,165	7,854	56.1	6,940	207.3	6,859	204.9	7,069

**Series 4FH-50—Ratings**

Boiler Model	INPUT		OUTPUT STEAM	
	Gas Input (MBH)	Oil Input (GPH)	Output (MBH)	Output (BHP)
4FH-63A	528	3.6	425	12.7
4FH-78A	653	4.5	526	15.7
4FH-92A	770	5.3	621	18.5
4FH-107A	895	6.2	722	21.6
4FH-127A	1,063	7.3	859	25.7
4FH-154A	1,289	8.9	1,044	31.2
4FH-180A	1,506	10.4	1,222	36.5
4FH-209A	1,750	12.0	1,423	42.5
4FH-240A	2,009	13.8	1,638	48.9
4FH-277A	2,319	16.0	1,896	56.6
4FH-311A	2,603	17.9	2,133	63.7
4FH-345A	2,888	19.9	2,373	70.9
4FH-360A	3,013	20.7	2,479	74.0
4FH-450A	3,769	25.9	3,122	93.3
4FH-563A	4,713	32.4	3,937	117.6
4FH-675A	5,650	38.9	4,758	142.1
4FH-827	6,921	47.7	5,830	174.1
4FH-993	8,310	57.3	7,000	209.1
4FH-1157	9,683	66.8	8,158	243.7
4FH-1323	11,071	76.5	9,328	278.7
4FH-1654	13,843	94.7	11,573	345.7
4FH-1985	16,613	113.5	13,888	414.9
4FH-2315	19,374	132.7	16,255	485.6
4FH-2645	22,135	151.8	18,638	556.8
4FH-3075A	25,734	176.7	21,694	648.1

Ratings based on 5 square feet of heating surface per boiler horsepower.  
\* Light Oil - 140,000 BTU/GAL. \*\* Heavy Oil - 150,000 BTU/GAL.

**Series 4NL/W-62—Ratings - Coal Stoker**

Boiler Model	INPUT		GROSS OUTPUT	
	*Input (LBS./COAL/HR.)	Output (MBH)	Output (BHP)	Output (LBS./STEAM/HR.)
4NL/W-63A	25	245	7.3	252
4NL/W-78A	31	299	8.9	309
4NL/W-92A	36	348	10.4	359
4NL/W-107A	41	403	12.0	415
4NL/W-127A	54	523	15.6	539
4NL/W-154A	64	626	18.7	645
4NL/W-180A	74	724	21.6	746
4NL/W-209A	85	833	24.9	858
4NL/W-240A	102	996	29.8	1,027
4NL/W-277A	117	1,143	34.1	1,178
4NL/W-311A	131	1,279	38.2	1,318
4NL/W-345A	145	1,415	42.3	1,459
4NL/W-397A	222	2,161	64.6	2,227
4NL/W-463A	258	2,520	75.3	2,597
4NL/W-563A	314	3,064	91.5	3,158
4NL/W-662A	370	3,603	107.6	3,714
4NL/W-827	462	4,501	134.5	4,639
4NL/W-993	554	5,405	161.5	5,570
4NL/W-1157	646	6,298	188.1	6,490
4NL/W-1323	739	7,201	215.1	7,422
4NL/W-1654	923	9,003	268.9	9,279
4NL/W-1985	1,108	10,805	322.8	11,135
4NL/W-2315	1,292	12,601	376.4	12,987
4NL/W-2645	1,477	14,397	430.1	14,838
4NL/W-3075A	1,717	16,738	500.0	17,250

All models have 3-inch diameter tubes—except 3075 has 2-1/2-inch tubes.  
\*Based on 75% efficiency and 13,000 BTU/lb. coal.

**Series 4NL/W-68—Ratings - Biomass/Wood**

Boiler Model	INPUT		OUTPUT	
	Input (LBS./HR.)	Output (MBH)	Output (HP)	Steam (LBS./HR.)
4NL/W63-68	47	222	6.6	228
4NL/W78-68	57	271	8.1	279
4NL/W92-68	67	315	9.4	325
4NL/W107-68	77	364	10.9	375
4NL/W127-68	100	473	14.1	487
4NL/W154-68	120	566	16.9	583
4NL/W180-68	139	655	19.6	675
4NL/W209-68	160	753	22.5	776
4NL/W240-68	191	901	26.9	928
4NL/W277-68	219	1,034	30.9	1,065
4NL/W311-68	246	1,157	34.6	1,192
4NL/W345-68	272	1,280	38.2	1,319
4NL/W397-68	415	1,954	58.4	2,014
4NL/W463-68	484	2,279	68.1	2,349
4NL/W563-68	588	2,772	82.8	2,856
4NL/W662-68	692	3,259	97.4	3,359
4NL/W827-68	864	4,071	121.6	4,196
4NL/W993-68	1,038	4,888	146.0	5,038
4NL/W1157-68	1,209	5,696	170.1	5,870
4NL/W1323-68	1,383	6,513	194.6	6,712
4NL/W1654-68	1,729	8,142	243.2	8,392
4NL/W1985-68	2,075	9,772	291.9	10,071
4NL/W2315-68	2,420	11,396	340.4	11,745
4NL/W2645-68	2,764	13,021	389.0	13,419
4NL/W3075-68	3,214	15,138	452.2	10,528

**Series 4NP-62—Ratings - Coal**

Boiler Model	INPUT		OUTPUT	
	Input (LBS./HR.)	Output (MBH)	Output (HP)	Steam (LBS./HR.)
4NP625-62	328	3,348	100	3,450
4NP925-62	492	5,021	150	5,175
4NP1250-62	656	6,695	200	6,900
4NP1538-62	820	8,369	250	8,625
4NP1850-62	984	10,043	300	10,350
4NP2153-62	1,148	11,716	350	12,075
4NP2500-62	1,312	13,390	400	13,800
4NP3075-62	1,640	16,738	500	17,250
4NP3690-62	1,968	20,085	600	20,700
4NP4305-62	2,296	23,433	700	24,150

**Series 4NP-68—Ratings - Biomass/Wood Firing**

Boiler Model	INPUT		OUTPUT	
	Input (LBS./HR.)	Output (MBH)	Output (HP)	Steam (LBS./HR.)
4NP625-68	653	3,077	92	3,171
4NP925-68	967	4,554	136	4,693
4NP1250-68	1,306	6,153	184	6,342
4NP1538-68	1,607	7,571	226	7,803
4NP1850-68	1,934	9,107	272	9,386
4NP2153-68	2,250	10,599	317	10,923
4NP2500-68	2,613	12,307	368	12,684
4NP3075-68	3,214	15,138	452	15,601
4NP3690-68	3,857	18,165	543	18,721
4NP4305-68	4,499	21,193	633	21,842