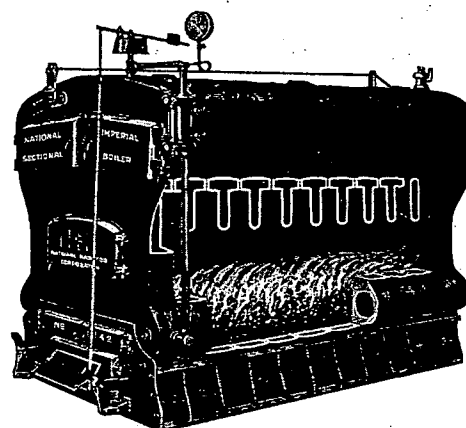




National Imperial Sectional Boilers

The spacious fire box provides large fuel capacity which allows maximum time between attention periods, and makes it possible to carry an economical and effective fire.

After leaving the combustion chamber the hot gases travel twice the length of the boiler before discharging into the stack.

Special grates can be furnished to burn the smaller sizes of fuel.

Boiler Number	Steam Rating	Water Rating	Grate Area Sq. Ft.	Length of Sections Only In.	Length of Sections and Smoke Box In.	Number of Outlets Sizes in In.	Chimney		*Boiler Covering Sq. Ft. Surface
							Area In.	Height Ft.	
32 Series—Height of Water Line, 53". Height of Top Outlet, 64½". Width of Boiler, 47".									
532	2900	4650	7.32	37¼	49¼	1-5"	14x14	40	42
632	3600	5800	9.10	45½	58	2-5"	15x15	40	51
732	4300	6950	10.87	53¼	66¼	2-5"	16x16	40	60
832	5000	8100	12.65	62	74¼	2-5"	16x16	50	69
932	5700	9250	14.42	70¼	82½	3-5"	18x18	50	78
42 Series—Height of Water Line, 57". Height of Top Outlet, 69". Width of Boiler, 57½".									
642	5200	8300	12.03	45½	57½	2-5"	16x16	50	56
742	6200	9900	14.38	53¼	65¼	2-5"	18x18	50	66
842	7200	11500	16.73	62	74	3-5"	18x18	55	76
942	8200	13100	19.08	70¼	82½	3-5"	20x20	55	86
1042	9200	14700	21.43	78½	90¼	3-5"	20x20	60	96
1142	10200	16300	23.77	86¼	99	3-5"	21x21	60	106
1242	11200	17900	26.12	95	107¼	4-5"	22x22	65	116
1342	12200	19500	28.47	103¼	115½	4-5"	22x22	70	126
1442	13000	20800	30.82	111½	123¼	4-5"	23x23	75	136
1542	13800	22100	33.17	119¼	132	4-5"	23x23	75	146
1642	14600	23400	35.52	128	140¼	4-5"	24x24	80	156

*Square feet of exterior boiler surface. Approximate number of pounds of boiler covering per section—23 series, 50 lb.; 32 series, 60 lb.; 42 series, 67 lb.

†Maximum grate area which can be furnished. Unless otherwise ordered these sizes are shipped with 10 grate bars having a grate area of 23.77 sq. ft.

National Duplex Sectional Boilers

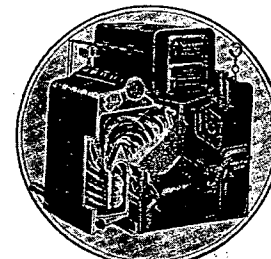
Boiler Number	Steam Rating	Water Rating	Grate Area Sq. Ft.	Length of Sections Only In.	Length of Sections and Smoke Box In.	Number of Outlets Sizes in.	Chimney		*Boiler Covering Sq. Ft. Surface
							Area In.	Height Ft.	
684	11200	17900	24.06	45 1/2	62 1/2	1-8"	22x22	65	76
784	13200	21100	28.76	53 1/4	70 3/4	1-8"	23x23	65	90
884	15200	24300	33.46	62	79	1-8"	24x24	70	104
984	17200	27500	38.16	70 1/4	87 1/4	1-8"	25x25	75	118
1084	19200	30700	42.86	78 1/2	95 1/2	1-8"	26x26	80	132
1184	21200	33900	47.56	86 1/4	103 1/4	1-8"	27x27	85	146
1284	23200	37100	52.26	95	112	1-8"	27x27	85	160

Height Water Line, 57 in. Height to Center of Header Outlet, 81 1/4 in. Width of Boiler, 115 1/4 in. Regularly furnished with cast iron header, but can be furnished without header when so ordered.

*Square feet of exterior boiler surface. Approximate number of pounds of boiler covering per section, 94 lb.

Newport Boiler Company

General Offices: 529 S. Franklin St., Chicago



MAGAZINE
FEED

OIL
BURNING

DISTRIBUTORS—All Principal Cities United States and Canada

This boiler cuts fuel bills from 30 to 50 per cent burning No. 1 Buckwheat coal

"Newport"—alone, provides these Heater essentials:

Convenience Coaling only necessary from once a day to once a week, depending upon the weather. It is therefore the Home Owner's choice.

Economy "Newport" combustion is complete, conforming to all the laws of science. Saves from \$5 to \$7 per ton, burning No. 1 Buckwheat coal.

Uniform Heat is provided by the never varying thickness of the fuel bed, that supplies heat for every nook and corner, automatically controlled.

Adaptability the patented, adjustable throat, which is water cooled, insures maximum efficiencies, burning all sizes and kinds of coal, coke or oil.

NEWPORT COAL BURNING BOILERS

Boiler Number	Rating Square Feet	*Maximum Direct Radiation Load	Boiler Number	Rating Square Feet	*Maximum Direct Radiation Load	Length Overall	Width Overall	Chimney Flue	
								Size Inches	Height Feet
STEAM			WATER						
S-4	594	340	W-4	1000	572	30 1/4"	32"	8 x 12	35
S-5	750	430	W-5	1250	714	36 1/4"	32"	8 x 12	35
S-6	907	518	W-6	1500	857	42 1/4"	32"	8 x 12	40
S-7	1063	607	W-7	1750	1000	49"	32"	12 x 12	40
S-8	1219	696	W-8	2000	1143	55 1/4"	32"	12 x 12	45
S-55	1375	786	W-55	2282	1304	64"	56"	12 x 12	40
S-66	1688	965	W-66	2782	1590	50 1/2"	56"	12 x 16	45
S-77	2000	1143	W-77	3313	1893	56 1/2"	56"	12 x 16	45
S-88	2313	1322	W-88	3813	2179	62 1/2"	56"	16 x 16	50
S-99	2625	1500	W-99	4313	2464	69"	56"	16 x 16	50
S-1010	2938	1679	W-1010	4813	2749	75 1/4"	56"	18 x 18	50
S-1111	3250	1858	W-1111	5313	3035	81 1/2"	56"	18 x 18	55

NEWPORT OIL BURNING BOILERS

Boiler Number	Steam Rating	*Maximum Direct Radiation Load	Boiler Number	Water Rating	*Maximum Direct Radiation Load	Length Overall	Width Overall	Chimney Flue	
								Size Inches	Height Feet
O-S-4	594	340	O-W-4	1000	572	30 1/4"	32"	8 x 12	35
O-S-5	750	430	O-W-5	1250	714	36 1/4"	32"	8 x 12	35
O-S-6	907	518	O-W-6	1500	857	42 1/4"	32"	8 x 12	40
O-S-7	1063	607	O-W-7	1750	1000	49"	32"	12 x 12	40
O-S-8	1219	696	O-W-8	2000	1143	55 1/4"	32"	12 x 12	45
O-S-55	1375	786	O-W-55	2282	1304	62 1/4"	32"	12 x 12	45
O-S-66	1688	965	O-W-66	2782	1590	70 1/4"	32"	12 x 16	45
O-S-77	2000	1143	O-W-77	3313	1893	78 1/4"	32"	12 x 16	45
O-S-88	2313	1322	O-W-88	3813	2179	86 1/4"	32"	12 x 16	50
O-S-99	2625	1500	O-W-99	4313	2464	94 1/4"	32"	12 x 16	50
O-S-1010	2938	1679	O-W-1010	4813	2749	102 1/4"	32"	18 x 18	50
O-S-1111	3250	1858	O-W-1111	5313	3035	110 1/4"	32"	18 x 18	55

*The "Maximum Direct Radiation Load" is the maximum actual amount of square feet of cast iron column radiation or its equivalent that we recommend be attached to boiler. This amount provides a safety factor of 75 per cent, being ample for average conditions, to take care of the load imposed by mains, risers, etc., but does not provide an allowance for the heating of water for domestic use, or any extra load where attached radiation will condense more than 0.25 (1/4) lb. of steam, per square foot per hour.

The water line on all Steam Boilers is 40 1/4 in.

Height overall Coal Boilers 62 in.

Oil Boilers 48 1/4 in.