

(Continued from preceding page)

Boiler No.	Direct Cast Iron Radiator Loads, *Sq. Ft.		Height of Water Line, Inches	Grate Area, Sq. Ft.	Coal Capacity, Cu. Ft.	†Outlets and Inlets	Height, Feet	Minimum Chimney Sizes, Inches
	Steam	Water						
627	1000	1650	45 1/2	5.32	7.93	2-4"	40	12x12
727	1225	2020	45 1/2	6.55	9.75	2-4"	40	12x12
827	1450	2390	45 1/2	7.78	11.37	3-4"	45	12x12
927	1675	2760	45 1/2	9.01	13.09	3-4"	45	12x16
1027	1900	3135	45 1/2	10.24	14.81	3-4"	45	12x16
1127	2125	3505	45 1/2	11.47	16.53	3-4"	50	12x16
1227	2350	3875	45 1/2	12.70	18.25	4-4"	50	12x16

*See Guarantee.

†Outlets only. Two 4-in. inlets are located in the rear of the back section of 27-in. series.

Height including trimmings 68 1/2 in.; width 50 1/2 in. Specify if back or top outlet smoke hood is required.

740	2500	4125	49	8.15	10.40	2-5"	50	18x18
840	3000	4950	49	10.31	13.30	2-5"	55	18x20
940	3500	5775	49	10.31	13.30	2-5"	60	20x20
1040	4050	6680	49	12.47	16.30	3-5"	65	20x24
1140	4500	7425	49	14.63	19.25	3-5"	70	24x24
1240	4900	8085	49	14.63	19.25	3-5"	70	24x28
1340	5400	8910	49	16.79	22.20	3-5"	75	24x28

†Outlets only. Two 6-in. inlets are located in the rear of the back section of 40-in. series.

Height including trimmings 71 in.; width 75 in.

750	4700	7755	66	18.29	29.67	3-5"	55	24x24
850	5350	8825	66	21.33	34.68	4-5"	60	24x24
950	5850	9655	66	21.33	34.68	4-5"	65	24x28
1050	6500	10725	66	24.37	39.69	5-5"	70	24x28
1150	7000	11550	66	24.37	39.69	5-5"	80	28x28
1250	7650	12620	66	27.41	44.71	6-5"	90	28x32
1350	8150	13450	66	27.41	44.71	6-5"	95	32x32

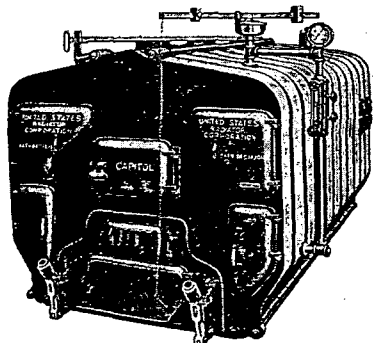
Height including trimmings 92 in.; width 82 in.

Specify if back or top outlet smoke hood is required.

CAPITOL BOILERS—SQUARE TYPE
FOR HARD COAL

In this group of Capitol Boilers is presented a wide range of sizes from the smallest, the 200 series designed to provide full boiler efficiency in the smallest space, to the largest, the WN 270 series designed and built for heavy-duty work.

Many years of service in buildings of every nature throughout the United States have established a reputation for these



No. 4111 Capitol Steam Boiler

boilers which is unsurpassed. Contribution factors to the remarkable ease of operating and efficiency of performance are the spacious ashpit; the correct proportioning of draft openings; the long fire travel and the scientific shaping of the direct and indirect heating surfaces; the durable easy shaking and dumping grates; the big doors the easily cleaned flues.

The exceptionally low water line of certain sizes permits foundations less deep than usual—an especially important economy where water, sand or rock makes excavating difficult and expensive.

RADIATOR LOADS AND DIMENSIONS
FOR HARD COAL BOILERS

Boiler No.	Direct Cast Iron Radiator Loads, *Sq. Ft.		Height of Water Line, Inches	Grate Area, Sq. Ft.	Coal Capacity, Cu. Ft.	†Outlets and Inlets	Height, Feet	Minimum Chimney Sizes, Inches
	Steam	Water						
204	350	580	46 1/2	2.59	4.36	2-3"	35	8x12
205	500	825	46 1/2	3.48	5.85	2-3"	35	8x12
206	625	1030	46 1/2	4.37	7.34	3-3"	35	12x12
207	750	1240	46 1/2	5.26	8.83	3-3"	40	12x12

*See Guarantee.

Height including trimmings 66 1/2 in.; width 45 in.

C276	800	1320	45 1/2	5.32	7.93	2-4"	40	12x12
C277	980	1620	45 1/2	6.55	9.65	2-4"	40	12x12
C278	1160	1920	45 1/2	7.78	11.37	3-4"	45	12x12
C279	1350	2220	45 1/2	9.01	13.09	3-4"	45	12x12

†Outlets only. Two 4-in. inlets are located in the rear of the back section of C270 series boilers.

Height including trimmings 68 1/2 in.; width 50 1/2 in.

235	1200	1980	55	7.28	11.01	2-4"	40	12x16
236	1500	2475	55	9.11	13.75	2-4"	45	12x16
237	1800	2970	55	10.94	16.49	3-4"	45	16x16
238	2100	3465	55	12.77	19.22	3-4"	50	16x16
239	2400	3960	55	14.61	21.96	3-4"	50	16x16
240	2500	4125	55	16.44	24.70	4-4"	60	16x16

Height including trimmings 78 in.; width 58 1/2 in.

4106	2000	3300	49	10.31	13.30	2-5"	45	18x18
4107	2500	4125	49	12.47	16.30	2-5"	50	18x18
4108	3000	4950	49	14.63	19.25	2-5"	55	18x20
4109	3500	5775	49	16.79	22.25	3-5"	60	20x20
4110	4000	6600	49	18.95	25.20	3-5"	65	20x24
4111	4500	7425	49	21.11	28.20	3-5"	70	24x24

†Outlets only. Two 6-in. inlets are located in the rear of the back section of 4100 series boilers.

Height including trimmings 71 in.; width 75 in.

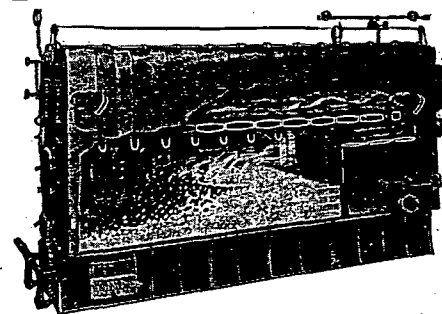
WN276	3700	6105	66	15.25	24.66	3-5"	50	20x24
WN277	4300	7095	66	18.29	29.67	3-5"	55	24x24
WN278	4900	8085	66	21.33	34.68	3-5"	60	24x24
WN279	5500	9075	66	24.37	39.69	4-5"	65	24x24
WN280	6100	10065	66	27.41	44.71	4-5"	65	24x28
WN281	6700	11055	66	30.45	45.96	4-5"	70	28x28
WN282	7300	12045	66	30.45	47.21	4-5"	70	28x28
WN283	7900	13035	66	30.45	48.46	5-5"	75	28x32
WN284	8500	14025	66	30.45	49.72	5-5"	80	32x32

Height including trimmings 92 in.; width 82 in.

Weil-McLain

SCIENTIFIC COMBUSTION

BOILERS

WEIL-McLAIN
COMPANYManufacturing Division
Michigan City, Ind., Erie, Pa.General Offices
Chicago, Ill.

Smokeless Type

Weil-McLain Long Firing Period Smokeless Boilers are now making smokelessness popular with everyone—for three primary reasons:—

First: They require considerably less firing attention than smokeless boilers in general.

Second: They are simple to fire.

Third: They are not limited to free burning types of soft coal for effective operation.

STEAM		WATER		Area Complete Firebox at Grate Sq. Ft.	Net Area of Fuel Grates Sq. Ft.	Water Line Height Inches	Outlets and Inlets Number and Size Each Inches	Recommended Chimney Sizes
Size	Rating Sq. Ft.	Size	Rating Sq. Ft.					
722-S	1810	722-W	2990	7.03	4.88	46	2-3 1/2	12x12x40
822-S	2105	822-W	3475	8.11	5.96	46	3-3 1/2	12x12x50
922-S	2400	922-W	3960	9.19	5.96	46	3-3 1/2	12x12x50
1022-S	2695	1022-W	4445	10.26	7.03	46	4-3 1/2	12x12x55
752-S	2460	752-W	4060	8.10	5.70	51	2-3 1/2	12x12x45
852-S	2995	852-W	4940	9.30	6.90	51	3-3 1/2	12x16x45
952-S	3530	952-W	5825	10.50	6.90	51	3-3 1/2	16x16x45
1052-S	4065	1052-W	6710	11.70	8.10	51	4-3 1/2	16x16x50
782-S	4210	782-W	6950	11.47	7.97	55	2-4	16x16x50
882-S	5060	882-W	8350	13.22	9.72	55	3-4	16x16x55
982-S	5800	982-W	9570	14.97	11.47	55	3-4	16x16x55
1082-S	6550	1082-W	10,810	16.72	13.22	55	4-4	16x20x60
704-S	6800	704-W	11,200	15.00	11.40	57	2-5	20x20x60
804-S	7850	804-W	12,900	17.50	13.90	57	3-5	20x20x65
904-S	8900	904-W	14,600	20.00	16.40	57	3-5	20x20x65
1004-S	9950	1004-W	16,300	22.50	18.90	57	4-5	20x24x65
1104-S	11,000	1104-W	18,000	25.00	18.90	57	4-5	20x24x65
1204-S	12,000	1204-W	19,650	27.50	21.40	57	5-5	20x24x70
1304-S	13,000	1304-W	21,300	30.00	21.40	57	5-5	24x24x70
844-S	8480	844-W	13,990	20.85	15.35	58	3-5	20x20x60
944-S	9605	944-W	15,850	23.60	18.10	58	3-5	20x20x65
1044-S	10,730	1044-W	17,700	26.35	20.85	58	4-5	20x20x70
1144-S	11,855	1144-W	19,550	29.10	20.85	58	4-5	24x24x70
1244-S	12,980	1244-W	21,400	31.85	23.60	58	4-5	24x24x75
1344-S	14,105	1344-W	23,275	34.60	23.60	58	5-5	24x24x75
1444-S	15,230	1444-W	25,125	37.35	23.60	58	5-5	28x28x75
1544-S	16,225	1544-W	26,770	40.10	23.60	58	5-5	28x28x80
1644-S	17,125	1644-W	28,250	42.85	23.60	58	5-5	28x28x80