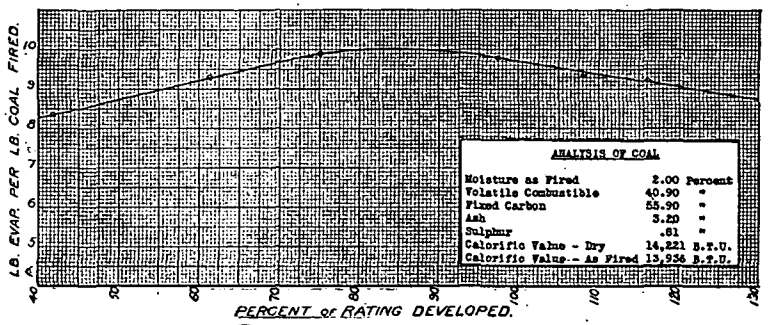
UNITED STATES RADIATOR CORPORATION

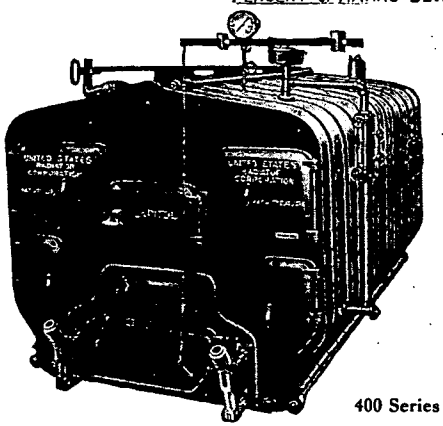
GENERAL OFFICES: DETROIT, MICHIGAN

Branch Offices in Principal Cities

Manufacturers of Capitol Boilers and United States Radiators

Performance Curve for No. 411 Capitol Smokeless Boiler





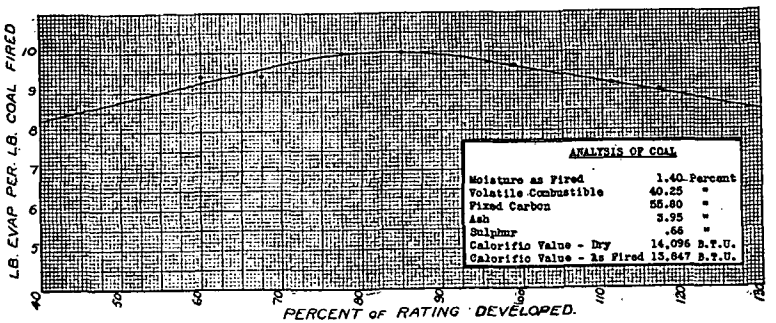
The performance curves shown illustrate the efficiency of Capitol Smokeless Boilers. Attention is called to the high volatile coal used in these tests. Capitol Smokeless Boilers burn these coals without smoke and with great economy.

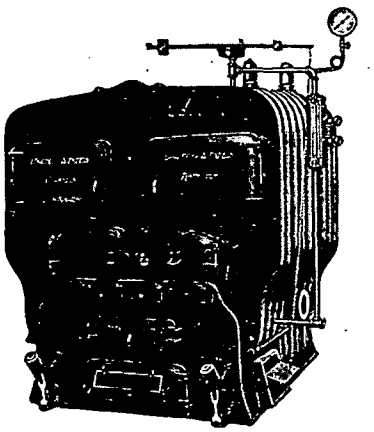
400 Series Ratings and Dimensions

Size	Rating Sq. Ft.		Height Water Line Inches	Coal Capacity Cu. Ft.	Base Dimensions Inches	*Outlets	Minimum Chimney Sizes	
	Steam	Water					Diameter Inches	Height Feet
408	3300	5280	49	9.00	47x 63½	2–5″	18x18	50
409	3850	6160	49	10.40	47x 71½	2–5″	18x18	50
410	4400	7040	49	13.30	47x 79⅝	3–5″	20x20	55
411	4950	7920	49	14.70	47x 87⅝	3–5″	20x20	55
412	5500	8800	49	16.30	47x 95¾	3–5″	22x22	55
413	6050	9680	49	17.70	47x103¾	3–5″	24x24	60
414	6600	10560	49	19.25	47x111¾	4–5″	24x24	60

*All 400 Series Boilers have two six-inch inlets on rear of back section.
Dimensions, inclusive of trimmings: Height 68 inches, Width 77 inches.
Diameter of Smoke Pipe, 18 inches.

Performance Curve for No. 511 Capitol Smokeless Boiler





THE CAPITOL SMOKELESS BOILER will burn any of the bituminous coals of the United States, including the lignites of the far West—burn them smokelessly, and within the requirements of any smoke ordinance of any city of the United States.

500 Series Ratings and Dimensions

Size	Rating Sq. Ft.		Height Water Line Inches	Coal Capacity Cu. Ft.	Base Dimensions Inches	Outlets and Inlets	Minimum Chimney Sizes	
	Steam	Water					Diameter Inches	Height Feet
508	6275	10000	66	18.87	57¾x 67⅞	3–5″	24x24	60
509	7150	11400	66	23.73	57¾x 77	4–5″	24x24	65
510	8025	13000	66	25.80	57¾x 86⅛	4–5″	24x28	70
511	8900	14250	66	28.59	57¾x 95¼	4–5″	28x28	80
512	9775	15650	66	29.58	57¾x104⅜	5–5″	28x32	85
513	10650	17050	66	34.51	57¾x113½	5–5″	32x32	85
514	11525	18450	66	37.80	57¾x122⅝	5–5″	32x32	90
515	12400	19850	66	41.09	57¾x131¾	6–5″	32x36	90
516	13275	21250	66	44.37	57¾x140⅞	6–5″	36x36	90

Dimensions, inclusive of trimmings: Height 92 inches, Width 82 inches.
Diameter of Smoke Pipe, 21 inches.