

RESEARCH LABORATORY STANDARD DATA
 AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS
 Result of Cooperative Work With U. S. Bureau of Mines Experiment Station, Pittsburgh, Pa.
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TABLE 2. HEAT EMITTED BY DIRECT RADIATION—TWO-COLUMN RADIATORS

Room Temperature at 70 deg. Fahr.
Steam Temperature at 215 deg. Fahr.

	45 In.	38 In.	32 In.	26 In.	23 In.	20 In.	
No. of Sections	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.
1	5	1892	4	1586	3.33	1237	2.66
2	10	2975	8	2475	6.66	2121	5.33
3	15	4059	12	3373	10.00	2903	8.00
4	20	5142	16	4272	13.33	3675	10.66
5	25	6225	20	5172	16.66	4452	13.33
6	30	7308	24	6072	20.00	5220	16.00
7	35	8390	28	6972	23.33	5992	18.66
8	40	9476	32	7869	26.66	6768	21.33
9	45	10562	36	8766	30.00	7539	24.00
10	50	11645	40	9668	33.33	8323	26.66
11	55	12727	44	10567	36.66	9112	29.33
12	60	13810	48	11467	40.00	9888	32.00
13	65	14892	52	12367	43.33	10662	34.66
14	70	15974	56	13266	46.66	11436	37.33
15	75	17058	60	14164	50.00	12210	40.00
16	80	18143	64	15062	53.33	12987	42.66
17	85	19227	68	15960	56.66	13764	45.33
18	90	20311	72	16859	60.00	14538	48.00
19	95	21394	76	17758	63.33	15310	50.66
20	100	22478	80	18656	66.66	16080	53.33

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TABLE 3. HEAT EMITTED BY DIRECT RADIATION—THREE-COLUMN RADIATORS

Room Temperature at 70 deg. Fahr.

Steam Temperature at 215 deg. Fahr.

No. of Sections	45 In.			38 In.			32 In.			26 In.			23 In.			20 In.		
	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.	Rated Surface sq. ft.	Total B.t.u. per hr.	Rated Surface sq. ft.
1	6	2241	5	1898	1665	3.75	1372	3	1138	2.25	878							
2	12	3480	10	2955	2635	7.50	2195	6	1816	4.50	1430							
3	18	4720	15	4013	3605	11.25	3017	9	2496	6.75	1961							
4	24	5959	20	5070	4674	15.00	3840	12	3174	9.00	2491							
5	30	7197	25	6128	5544	18.75	4661	15	3854	11.25	3020							
6	36	8435	30	7185	6512	22.50	5485	18	4532	13.50	3553							
7	42	9677	35	8243	7481	26.25	6308	21	5211	15.75	4084							
8	48	10915	40	9300	8453	30.00	7128	24	5890	18.00	4615							
9	54	12155	45	10358	9420	33.75	7952	27	6569	20.25	5146							
10	60	13392	50	11415	10391	37.50	8775	30	7248	22.50	5679							
11	66	14632	55	12473	11360	41.25	9595	33	7927	24.75	6210							
12	72	15872	60	13530	12328	45.00	10418	36	8608	27.00	6742							
13	78	17113	65	14587	13297	48.75	11242	39	9286	29.25	7273							
14	84	18354	70	15645	14270	52.50	12065	42	9962	31.50	7803							
15	90	19593	75	16703	15242	56.25	12889	45	10643	33.75	8333							
16	96	20832	80	17760	16207	60.00	13710	48	11323	36.00	8863							
17	102	22068	85	18817	17174	63.75	14531	51	12000	38.25	9398							
18	108	23306	90	19872	18144	67.50	15353	54	12679	40.50	9931							
19	114	24544	95	20936	19118	71.25	16174	57	13361	42.75	10464							
20	120	25776	100	21990	20088	75.00	16995	60	14040	45.00	10989							