Research Laboratory Standard Data—American Society of Heating and Ventilating Engineers
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Table 2. Heat Emitted by Direct Radiation—Two-Column Radiators

Steam Temperature at 215 deg. fahr. *Room Temperature at 70 deg. fahr.*

Length Inches	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.	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.	Total B.t.u. per hr.	Rated Surface sq. ft.	Total B.t.u. per hr.
	1	5	1892	4	1586	3.33	1237	2.66	1100	2.33	967	2	823
5	2	10	2975	8	2475	6.66	2121	5.33	1736	4.66	1520	4	1313
	3	15	4059	12	3373	10.00	2903	8.00	2373	7.00	2093	6	1810
10	4	20	5142	16	4272	13.33	3675	10.66	3010	9.33	2666	8	2304
	5	25	6225	20	5172	16.66	4452	13.33	3652	11.66	3239	10	2798
15	6	30	7308	24	6072	20.00	5220	16.00	4289	14.00	3809	12	3292
	7	35	8390	28	6972	23.33	5992	18.66	4920	16.33	4376	14	3786
20	8	40	9476	32	7869	26.66	6768	21.33	5560	18.66	4943	16	4279
	9	45	10562	36	8766	30.00	7539	24.00	6197	21.00	5510	18	4772
25	10	50	11645	40	9668	33.33	8323	26.66	6832	23.33	6081	20	5264
	11	55	12727	44	10567	36.66	9112	29.33	7471	25.66	6648	22	5753
30	12	60	13810	48	11467	40.00	9888	32.00	8109	28.00	7213	24	6245
	13	65	14892	52	12367	43.33	10662	34.66	8746	30.33	7780	26	6738
35	14	70	15974	56	13266	46.66	11436	37.33	9383	32.66	8346	28	7232
	15	75	17058	60	14164	50.00	12210	40.00	10020	35.00	8897	30	7728
40	16	80	18143	64	15062	53.33	12987	42.66	10662	37.33	9464	32	8221
	17	85	19227	68	15960	56.66	13764	45.33	11299	39.66	10032	34	8714
45	18	90	20311	72	16859	60.00	14538	48.00	11933	42.00	10601	36	9209
	19	95	21394	76	17758	63.33	15310	50.66	12570	44.33	11167	38	9703
50	20	100	22478	80	18656	66.66	16080	53.33	13211	46.66	11736	40	10196
B.t.u. per Intermed. Section			1083	..	900	.....	776	.....	638	.....	565	..	493
" " Sq. Ft. " "			217	..	225	.....	233	.....	240	.....	242	..	246
" " " End Surface			378	..	396	.....	400	.....	413	.....	415	..	411

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Table 3. Heat Emitted by Direct Radiation—Three-Column Radiators

Steam Temperature at 215 deg. fahr. *Room Temperature at 70 deg. fahr.*

Length Inches	No. of Sections	45 In.		38 In.		32 In.		26 In.		22 In.		18 In.	
		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.	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.
	1	6	2241	5	1898	4.5	1665	3.75	1372	3	1138	2.25	878
5	2	12	3480	10	2955	9.0	2635	7.50	2195	6	1816	4.50	1430
	3	18	4720	15	4013	13.5	3605	11.25	3017	9	2496	6.75	1961
10	4	24	5959	20	5070	18.0	4674	15.00	3840	12	3174	9.00	2491
	5	30	7197	25	6128	22.5	5544	18.75	4661	15	3854	11.25	3020
15	6	36	8435	30	7185	27.0	6512	22.50	5485	18	4532	13.50	3553
	7	42	9677	35	8243	31.5	7481	26.25	6308	21	5211	15.75	4084
20	8	48	10915	40	9300	36.0	8453	30.00	7128	24	5890	18.00	4615
	9	54	12155	45	10358	40.5	9420	33.75	7952	27	6569	20.25	5146
25	10	60	13392	50	11415	45.0	10391	37.50	8775	30	7248	22.50	5679
	11	66	14632	55	12473	49.5	11360	41.25	9595	33	7927	24.75	6210
30	12	72	15872	60	13530	54.0	12328	45.00	10418	36	8608	27.00	6742
	13	78	17113	65	14587	58.5	13297	48.75	11242	39	9286	29.25	7273
35	14	84	18354	70	15645	63.0	14270	52.50	12065	42	9962	31.50	7803
	15	90	19593	75	16703	67.5	15242	56.25	12889	45	10643	33.75	8333
40	16	96	20832	80	17760	72.0	16207	60.00	13710	48	11323	36.00	8863
	17	102	22068	85	18817	76.5	17174	63.75	14531	51	12000	38.25	9398
45	18	108	23306	90	19872	81.0	18144	67.50	15353	54	12679	40.50	9931
	19	114	24544	95	20936	85.5	19118	71.25	16174	57	13361	42.75	10464
50	20	120	25776	100	21990	90.0	20088	75.00	16995	60	14040	45.00	10989
B.t.u. per Intermed. Section			1239	...	1057	....	969	.....	822	..	679	.....	531
" " Sq. Ft. " "			206	...	211	....	215	.....	219	..	226	.....	236
" " " End Surface			374	...	380	....	370	.....	366	..	380	.....	390

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