

TABLE 27. HEAT EMISSION OF DIRECT CAST IRON RADIATION FOR HOT WATER—THREE-COLUMN RADIATORS
Room Temperature at 70 deg. Fahr.

LENGTH INCHES	NUMBER OF SECTIONS	45 In.			38 In.			32 In.			26 In.			22 In.			18 In.		
		Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR
5	1	6	1480	5	1250	4.5	1100	3.75	905	3	750	2.25	600	2	500	1.5	400	1	300
5	2	12	2960	10	2500	9.0	2200	7.5	1810	6	1500	4.5	1100	4	1000	3	750	2	600
5	3	18	4440	15	3750	13.5	3300	11.25	2715	9	2250	6.75	1650	8	2000	6	1500	4	1000
5	4	24	5920	20	5000	18.0	4400	15.0	3600	12	3000	9.0	2200	10	2660	8	2000	6	1500
5	5	30	7400	25	6250	22.5	5500	18.75	4500	15	3750	11.25	2850	12	3300	10	2660	8	2000
5	6	36	8880	30	7500	27.0	6600	22.5	5500	18	4500	13.5	3450	15	3900	12	3300	10	2660
5	7	42	10360	35	8750	31.5	7700	26.25	6300	21	5175	15.75	4025	18	4590	15	3900	12	3300
5	8	48	11840	40	10000	36.0	8800	30.0	7200	24	5850	18.0	4500	21	5250	18	4500	15	3900
5	9	54	13320	45	11250	40.5	9900	33.75	8250	27	6525	20.25	5025	24	6000	21	5250	18	4500
5	10	60	14800	50	12500	45.0	10500	37.5	9000	30	7200	22.5	5500	27	6750	24	6000	21	5250
5	11	66	16280	55	13750	49.5	11650	41.25	10125	33	7965	24.75	6015	30	7500	27	6750	24	6000
5	12	72	17760	60	15000	54.0	12800	45.0	11250	36	8700	27.0	6600	33	8250	30	7500	27	6750
5	13	78	19240	65	16250	58.5	13950	48.75	12375	39	9465	29.25	7215	36	9000	33	8250	30	7500
5	14	84	20720	70	17500	63.0	15100	52.5	13500	42	10230	31.5	7815	39	9750	36	9000	33	8250
5	15	90	22200	75	18750	67.5	16250	56.25	14625	45	11000	33.75	8425	42	10500	39	9750	36	9000
5	16	96	23680	80	20000	72.0	17400	60.0	15750	48	11760	36.0	9030	45	11250	42	10500	39	9750
5	17	102	25160	85	21250	76.5	18550	63.75	16875	51	12510	38.25	9645	48	12000	45	11250	42	10500
5	18	108	26640	90	22500	81.0	19700	67.5	18000	54	13260	40.5	10260	51	12750	48	12000	45	11250
5	19	114	28120	95	23750	85.5	20850	71.25	19125	57	14010	42.75	10875	54	13500	51	12750	48	12000
5	20	120	29600	100	25000	90.0	21300	75.0	20250	60	14760	45.0	11400	57	14250	54	13500	48	12000

FOUR-COLUMN RADIATORS

LENGTH INCHES	NUMBER OF SECTIONS	45 In.			38 In.			32 In.			26 In.			22 In.			18 In.		
		Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR
6	1	10	2040	8	1690	6.5	1430	5	1140	4	945	3	740	3	1200	2.25	600	1	300
6	2	20	4080	16	3380	13.0	2860	10.0	2280	8	1890	6.0	1480	6	2400	4.5	1200	2	600
6	3	30	6120	24	5070	19.5	4290	15.0	3420	12	2835	9.0	2220	9	3600	6.75	1800	3	900
6	4	40	8160	32	6760	26.0	5720	20.0	4560	16	3780	12.0	3024	12	4800	9.0	2400	4	1200
6	5	50	10200	40	8450	32.5	7150	25.0	5625	20	4725	15.0	3675	15	5700	11.25	2925	5	1500
6	6	60	12240	48	10140	39.0	8540	30.0	6720	24	5580	18.0	4320	18	6840	13.5	3465	6	1800
6	7	70	14280	56	11830	45.5	10030	35.0	7815	28	6480	21.0	5040	21	8010	15.75	3960	7	2100
6	8	80	16320	64	13520	52.0	11720	40.0	8910	32	7380	24.0	5760	24	8940	18.0	4500	8	2400
6	9	90	18360	72	15210	58.5	13410	45.0	10005	36	8280	27.0	6480	27	9870	20.25	5025	9	2700
6	10	100	20400	80	16900	65.0	15100	50.0	11100	40	9180	30.0	7020	30	10800	22.5	5500	10	3000
6	11	110	22440	88	18590	71.5	16790	55.0	12200	44	10080	33.0	7722	33	11760	24.75	6015	11	3300
6	12	120	24480	96	20280	78.0	18480	60.0	13300	48	11040	36.0	8424	36	12720	27.0	6600	12	3600
6	13	130	26520	104	21970	84.5	19570	65.0	14400	52	12000	39.0	9126	39	13680	29.25	7215	13	3900
6	14	140	28560	112	23660	91.0	21260	70.0	15500	56	12960	42.0	9828	42	14640	31.5	7815	14	4200
6	15	150	30600	120	25350	97.5	22350	75.0	16600	60	13920	45.0	10530	45	15600	33.75	8425	15	4500
6	16	160	32640	128	27040	104.0	23440	80.0	17700	64	14880	48.0	11232	48	16560	36.0	9030	16	4800
6	17	170	34680	136	28730	110.5	24530	85.0	18800	68	15840	51.0	12036	51	17520	38.25	9645	17	5100
6	18	180	36720	144	30420	117.0	25620	90.0	19900	72	16800	54.0	12840	54	18480	40.5	10260	18	5400
6	19	190	38760	152	32110	123.5	26710	95.0	21000	76	17760	57.0	13644	57	19440	42.75	10875	19	5700
6	20	200	40800	160	33800	130.0	27800	100.0	22100	80	18720	60.0	14448	60	20400	45.0	11400	20	6000

TABLE 28. HEAT EMISSION OF DIRECT CAST IRON RADIATION FOR HOT WATER HOSPITAL RADIATORS—TWO-COLUMN
Room Temperature at 70 deg. Fahr.

Room Temperature at 70 deg. Fahr.																			
Length Inches	Number of Sections	45 In.			38 In.			32 In.			26 In.			23 In.			20 In.		
		Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR		
6	1	5	1300	4	1075	3.33	920	2.66	745	2.33	660	2	570	2	570	2	570		
6	2	10	2600	8	2150	6.66	1840	5.33	1490	4.66	1330	4	1140	4	1140	4	1140		
12	4	20	5200	16	4300	13.33	3680	10.66	2960	9.33	2660	8	2280	8	2280	8	2280		
12	4	20	5200	16	4300	13.33	3680	10.66	2960	9.33	2660	8	2280	8	2280	8	2280		
18	6	30	7800	24	6450	20.00	5520	16.00	4440	14.00	3960	12	3420	12	3420	12	3420		
24	8	40	10400	32	8580	26.66	7320	21.33	5904	18.66	5172	16	4572	16	4572	16	4572		
30	10	50	13900	40	11440	33.33	8960	26.66	7920	23.33	6456	20	5680	20	5680	20	5680		
36	12	60	16800	48	13824	40.00	10560	32.00	9408	28.00	7776	24	6768	24	6768	24	6768		
42	14	70	19600	56	16160	46.66	12280	37.33	10968	32.66	8996	28	7860	28	7860	28	7860		
48	16	80	22400	64	18400	53.33	14060	42.66	12540	37.33	10176	32	8928	32	8928	32	8928		
54	18	90	25200	72	20760	60.00	15840	48.00	14112	42.00	11376	36	10020	36	10020	36	10020		
60	20	100	28000	80	23040	66.66	17620	53.33	16110	46.66	12600	40	11200	40	11200	40	11200		

Wall and Window Radiators																			
Length Inches	Number of Sections	29 In.			22 In.			17 In.			20 In.			16 In.			13 In.		
		Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft.	Total B.t.u. per Hr. SR		
6	1	9	1880	7	1475	5	1095	5	1125	3.75	880	3	715						
6	2	18	3760	14	2950	10	2190	10	2250	7.50	1760	6	1430						
6	3	27	5640	21	4425	15	3285	15	3375	11.25	2640	9	2145						
6	4	36	7520	28	5860	20	4380	20	4500	15.00	3520	12	2860						
6	5	45	9400	35	7325	25	5475	25	5625	18.75	4400	15	3575						
6	6	54	11280	42	8790	30	6570	30	6750	22.50	5280	18	4395						
6	7	63	13160	49	9975	35	7535	35	7725	26.25	6000	21	5095						
6	8	72	15040	56	11160	40	8320	40	8560	30.00	6720	24	5760						
6	9	81	16920	63	12365	45	9225	45	9450	33.75	7440	27	6435						
6	10	90	18800	70	13570	50	10050	50	10250	37.50	7920	30	7140						
6	11	99	20680	77	14775	55	11125	55	11325	41.25	8580	33	7785						
6	12	108	22560	84	15980	60	12330	60	12530	45.00	9360	36	8460						
6	13	117	24440	91	17185	65	13370	65	13570	48.75	9960	39	9090						
6	14	126	26320	98	18390	70	14390	70	14590	52.50	10560	42	9720						
6	15	135	28200	105	19595	75	15395	75	15595	56.25	11160	45	10350						
6	16	144	30080	112	20800	80	16390	80	16590	60.00	11760	48	10980						
6	17	153	31960	119	21995	85	17385	85	17585	63.75	12360	51	11610						
6	18	162	33840	126	23190	90	18380	90	18580	67.50	12960	54	12240						
6	19	171	35720	133	24385	95	19375	95	19575	71.25	13560	57	12870						
6	20	180	37600	140	25580	100	20370	100	20570	75.00	14160	60	13500						