

TABLE 10. 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. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR
5	1	6	1480	5	1250	4.5	1100	3.75	905	3	750	3	750	3	750	2.25	600	2.25	600
	2	12	2960	10	2500	9.0	2200	7.50	1800	6	1500	6	1500	6	1500	4.50	1200	4.50	1200
10	3	18	4440	15	3750	13.5	3300	11.25	2700	9	2250	9	2250	9	2250	6.75	1800	6.75	1800
	4	24	5920	20	5000	18.0	4400	15.00	3600	12	3000	12	3000	12	3000	9.00	2400	9.00	2400
15	5	30	7400	25	6250	22.5	5500	18.75	4500	15	3750	15	3750	15	3750	11.25	3000	11.25	3000
	6	36	8880	30	7500	27.0	6600	22.50	5400	18	4500	18	4500	18	4500	13.50	3600	13.50	3600
20	7	42	10360	35	8750	31.5	7700	26.25	6300	21	5250	21	5250	21	5250	15.75	4200	15.75	4200
	8	48	11840	40	10000	36.0	8800	30.00	7200	24	6000	24	6000	24	6000	18.00	4800	18.00	4800
25	9	54	13320	45	11250	40.5	9900	33.75	7950	27	6750	27	6750	27	6750	20.25	5400	20.25	5400
	10	60	14800	50	12500	45.0	11000	37.50	8700	30	7500	30	7500	30	7500	22.50	6000	22.50	6000
30	11	66	16280	55	13750	49.5	12200	41.25	9500	33	8250	33	8250	33	8250	24.75	6600	24.75	6600
	12	72	17760	60	15000	54.0	13400	45.00	10200	36	9000	36	9000	36	9000	27.00	7200	27.00	7200
35	13	78	19240	65	16250	58.5	14600	48.75	11000	39	9750	39	9750	39	9750	29.25	7800	29.25	7800
	14	84	20720	70	17500	63.0	15800	52.50	12200	42	10500	42	10500	42	10500	31.50	8400	31.50	8400
40	15	90	22200	75	18750	67.5	17000	56.25	13400	45	11250	45	11250	45	11250	33.75	9000	33.75	9000
	16	96	23680	80	20000	72.0	18200	60.00	14600	48	12000	48	12000	48	12000	36.00	9600	36.00	9600
45	17	102	25160	85	21250	76.5	19400	63.75	15800	51	12750	51	12750	51	12750	38.25	10200	38.25	10200
	18	108	26640	90	22500	81.0	20600	67.50	17000	54	13500	54	13500	54	13500	40.50	10800	40.50	10800
50	19	114	28120	95	23750	85.5	21800	71.25	18200	57	14250	57	14250	57	14250	42.75	11400	42.75	11400
	20	120	29600	100	25000	90.0	23000	75.00	19400	60	15000	60	15000	60	15000	45.00	12000	45.00	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. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR
6	1	10	2040	8	1690	6.5	1430	5	1140	4	945	4	945	4	945	3	740	3	740
	2	20	4080	16	3380	13.0	2880	10	2280	8	1890	8	1890	8	1890	6	1480	6	1480
12	3	30	6120	24	5070	19.5	4320	15.0	3420	12	2835	12	2835	12	2835	9	2220	9	2220
	4	40	8160	32	6760	26.0	5840	20.0	4560	16	3780	16	3780	16	3780	12	3030	12	3030
18	5	50	10200	40	8400	32.5	7360	25.0	5650	20	4680	20	4680	20	4680	15	3740	15	3740
	6	60	12240	48	10080	39.0	8520	30.0	6840	24	5580	24	5580	24	5580	18	4440	18	4440
24	7	70	14280	56	11760	45.5	10080	35.0	8060	28	6480	28	6480	28	6480	21	5150	21	5150
	8	80	16320	64	13440	52.0	11680	40.0	9120	32	7380	32	7380	32	7380	24	5860	24	5860
30	9	90	18360	72	15120	58.5	13280	45.0	10200	36	8280	36	8280	36	8280	27	6570	27	6570
	10	100	20400	80	16800	65.0	14880	50.0	11300	40	9180	40	9180	40	9180	30	7280	30	7280
36	11	110	22440	88	18480	71.5	16480	55.0	12400	44	10080	44	10080	44	10080	33	7990	33	7990
	12	120	24480	96	20160	78.0	18080	60.0	13500	48	11000	48	11000	48	11000	36	8800	36	8800
42	13	130	26520	104	21840	84.5	19680	65.0	14600	52	11900	52	11900	52	11900	39	9610	39	9610
	14	140	28560	112	23520	91.0	21280	70.0	15700	56	12800	56	12800	56	12800	42	10420	42	10420
48	15	150	30600	120	25200	97.5	22880	75.0	16800	60	13700	60	13700	60	13700	45	11230	45	11230
	16	160	32640	128	26880	104.0	24480	80.0	17900	64	14600	64	14600	64	14600	48	12040	48	12040
54	17	170	34680	136	28560	110.5	26080	85.0	19000	68	15500	68	15500	68	15500	51	12850	51	12850
	18	180	36720	144	30240	117.0	27680	90.0	20100	72	16400	72	16400	72	16400	54	13660	54	13660
60	19	190	38760	152	31920	123.5	29280	95.0	21200	76	17300	76	17300	76	17300	57	14470	57	14470
	20	200	40800	160	33600	130.0	30880	100.0	22300	80	18200	80	18200	80	18200	60	15280	60	15280

TABLE 11. HEAT EMISSION OF DIRECT CAST IRON RADIATION FOR HOT WATER HOSPITAL RADIATORS—TWO-COLUMN
Room Temperature at 70 deg. Fahr.

Lampro Inches		45 In.		38 In.		32 In.		26 In.		23 In.		20 In.	
		Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR	Rated Surface Sq. Ft. S	Total B.t.u. per Hr. SR
6	1	5	1300	4	1075	3.33	920	2.66	715	2.33	660	2	570
	2	10	2600	8	2150	6.66	1840	5.33	1430	4.66	1061	4	920
	3	15	3900	12	3225	10.00	2760	8.00	2040	7.00	1462	6	1270
12	4	20	5200	16	3980	13.33	3560	10.66	2095	9.33	1863	8	1620
	5	25	6500	20	4975	16.66	4315	13.33	2545	11.66	2264	10	1970
	6	30	7800	24	5970	20.00	5160	16.00	3000	14.00	2665	12	2320
18	7	35	9100	28	6965	23.33	5865	18.66	3450	16.33	3066	14	2670
	8	40	10400	32	8060	26.66	6760	21.33	3900	18.66	3567	16	3020
	9	45	11700	36	9155	30.00	7755	24.00	4350	21.00	3868	18	3370
30	10	50	13000	40	10150	33.33	8840	26.66	4800	23.33	4269	20	3720
	11	55	14300	44	11245	36.66	9935	29.33	5355	25.66	4670	22	4070
	12	60	15600	48	12340	40.00	10940	32.00	5850	28.00	5071	24	4420
36	13	65	16900	52	13435	43.33	11935	34.66	6155	30.33	5472	26	4770
	14	70	18200	56	14530	46.66	12930	37.33	6605	32.66	5873	28	5120
	15	75	19500	60	15625	50.00	13925	40.00	7055	35.00	6274	30	5470
42	16	80	20800	64	16720	53.33	14920	42.66	7510	37.33	6675	32	5820
	17	85	22100	68	17815	56.66	15915	45.33	7960	39.66	7076	34	6170
	18	90	23400	72	18910	60.00	16910	48.00	8410	42.00	7477	36	6520
54	19	95	24700	76	19905	63.33	17905	50.66	8860	44.00	7878	38	6870
	20	100	26000	80	21000	66.66	18900	53.33	9315	46.66	8286	40	7220