



The GURNEY FOUNDRY COMPANY, LIMITED

Greenhouse Heating

Radiating Surface Required for Greenhouse Heating at Various Temperatures.
Zero Weather.

Square feet of Glass	STEAM					Square feet of Glass	HOT WATER				
	RADIATION REQUIRED AT						RADIATION REQUIRED AT				
	40°	45°	50°	60°	70°		40°	45°	50°	60°	70°
25	27	31	34	41	5	25	41	5	61	71	81
50	55	61	71	81	10	50	8	10	13	14	16
75	8	9	10	13	15	75	13	15	19	21	25
100	11	13	14	17	20	100	17	20	25	29	33
200	23	25	30	33	40	200	33	40	50	57	67
300	34	38	43	50	60	300	50	60	75	86	100
400	45	50	57	67	80	400	67	80	100	114	133
500	56	63	72	83	100	500	83	100	125	143	167
1,000	112	125	143	167	200	1,000	167	200	250	286	333
2,000	223	250	286	333	400	2,000	333	400	500	572	667
3,000	334	375	429	500	600	3,000	500	600	750	857	1,000
4,000	445	500	571	667	800	4,000	667	800	1,000	1,143	1,333
5,000	556	625	714	833	1,000	5,000	833	1,000	1,250	1,429	1,667
10,000	1,112	1,250	1,429	1,667	2,000	10,000	1,667	2,000	2,500	2,857	3,333
20,000	2,223	2,500	2,857	3,333	4,000	20,000	3,333	4,000	5,000	5,714	6,667

For 10 degrees below zero multiply feet * radiation by 1.11.

For 20 degrees below zero multiply feet * radiation by 1.23.

For 30 degrees below zero multiply feet * radiation by 1.35.

For 40 degrees below zero multiply feet * radiation by 1.48.

*See page 2.