

Marquee Capacities and suggested heating

Cubic ft = length x width x height

Cubic ft / height = square footage

Square footage / width = length

For traditional marquees: height = 6.6, width = 40

For frame marquees: length x 3.3, width = 39.6, height = 6.6

Traditional Marquees								
Size of Marquee (ft)	No of internal poles	Minimum area needed for erection	Seated at tables	At tables with dance floor (Dance Floor Size in feet)	Seated only	With Buffet (mostly standing)	Heating area (cubic ft)	Suggested heating (up to BTU)
140 x 40	6	152 x 52	467	350 (27 x 30)	1100	700	36'960	270'000
120 x 40	5	132 x 53	400	300 (24 x 27)	1000	600	31'680	270'000
100 x 40	4	112 x 52	333	200 (21 x 21)	900	500	26'400	132'000+
80 x 40	3	92 x 52	267	175 (21 x 21)	700	400	21'120	100'000
60 x 40	2	72 x 52	200	150 (18 x 21)	500	300	15'840	100'000
90 x 30	4	102 x 42	225	150 (18 x 21)	600	300	17'820	100'000
70 x 30	3	82 x 42	175	125 (15 x 18)	450	250	13'860	100'000
50 x 30	2	62 x 42	125	100 (15 x 15)	300	200	9'900	100'000
40 x 20	2	52 x 42	67	50 (12 x 12)	160	100	5'280	32'000+
20 x 20	1	32 x 32	33	25	80	50	2'640	32'000

Frame Marquees								
Size of Marquee (m)	Trad equiv (ft) approx	Area needed erection (m)	Seated at tables	At tables with dance floor (Dance Floor Size in feet)	Seated only	With Buffet (mostly standing)	Heating area (cubic ft)	Suggested heating (up to BTU)
3 x 3	10 x 10	3 x 3	8	/	17	13	660	32'000
4.5 x 4.5	15 x 15	4.5 x 4.5	19	/	38	28	1'485	32'000
5 x 5	17 x 17	5 x 5	25	18	80	50	1'907	32'000
6 x 3	20 x 10	6 x 3	12	/	40	25	1'320	32'000
6 x 6	20 x 20	6 x 6	33	25	80	50	2'640	32'000
6 x 9	20 x 30	6 x 9	50	38	120	75	3'960	32'000
6 x 12	20 x 40	6 x 12	67	50 (12 x 12)	160	100	5'280	32'000+
6 x 15	20 x 50	6 x 15	83	63 (12 x 12)	170	130	6'600	32'000+
12 x 5	40 x 17	12 x 5	56	43 (12 x 12)	113	85	4'488	32'000+
12 x 10	40 x 35	12 x 10	117	88 (12 x 15)	233	175	9'240	100'000
12 x 15	40 x 50	12 x 15	160	125 (15 x 18)	340	260	13'200	100'000
12 x 20	40 x 70	12 x 20	233	175 (18 x 21)	467	350	18'480	100'000
12 x 25	40 x 85	12 x 25	283	213 (21 x 24)	567	425	22'440	100'000
12 x 30	40 x 100	12 x 30	320	250 (24 x 24)	680	520	26'400	100'000+
12 x 35	40 x 120	12 x 35	400	300 (24 x 27)	800	600	31'680	270'000
12 x 40	40 x 135	12 x 40	450	338 (27 x 27)	900	675	35'640	270'000

Seated at tables with separate dance floor = 16sq ft per head

Seated at tables without dance floor = 12sq ft per head

Mainly standing = 8sq ft per head

Seated only (conference style) = 6sq ft per head