



25 Guyed Tower Specifications

Specifications for AME 25 Guyed Tower

70 MPH Wind Speed - No Ice

Tower Height (Ft.)	Part #	Allowable Projected Area (Sq. Ft.) Top of Tower [CaAc per EIA-222-F]	Base Foundation Drawing No.	Base Horizontal Reactions (lbs.)	Base Vertical Reactions (lbs.)	First Guy Height (Ft.)	First Guy Radius (Ft.)	First Guy Length (Ft.)	Second Guy Height (Ft.)	Second Guy Radius (Ft.)	Second Guy Length (Ft.)	Third Guy Height (Ft.)	Third Guy Radius (Ft.)	Third Guy Length (Ft.)	Fourth Guy Height (Ft.)	Fourth Guy Radius (Ft.)	Fourth Guy Length (Ft.)	Fifth Guy Height (Ft.)	Fifth Guy Radius (Ft.)	Fifth Guy Length (Ft.)	Anchor Drawing 1306	Anchor Horizontal Reactions (lbs.)	Anchor Vertical Reactions (lbs.)	Anchor Rod Drawing	Anchor Rod Angle
40	AME 25 4A	26	1306	75	1943	35.1	28	44.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4A	754	953	1315	51.6
50	AME 25 5A	24.5	1306	31	2506	22.7	35	41.3	44.9	35	56.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4B	1138	1170	1315	45.8
60	AME 25 6A	23.5	1306	52	2653	28	42	50	54.7	42	68.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4B	1188	1233	1315	46.1
70	AME 25 7A	22.75	1306	65	2792	32.5	49	58.4	64.5	42	80.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4B	1250	1296	1315	46
80	AME 25 8A	22	1306	72	3460	25.3	56	61	50.8	56	75.2	74.3	56	92.7	N/A	N/A	N/A	N/A	N/A	N/A	4C	1671	1582	1315	43.4
90	AME 25 9A	21	1306	77	3582	28	63	68.4	57.3	63	84.7	84.1	63	104.8	N/A	N/A	N/A	N/A	N/A	N/A	4C	1747	1644	1315	43.3
100	AME 25 10A	20.5	1306	84	3735	31.2	70	76.1	63.2	70	93.9	93.9	70	116.8	N/A	N/A	N/A	N/A	N/A	N/A	4D	1831	1719	1315	43.2
110	AME 25 11A	20.25	1306	92	3910	35.1	77	84.1	70.4	77	103.9	103.7	77	128.8	N/A	N/A	N/A	N/A	N/A	N/A	4D	1918	1808	1315	43.3
120	AME 25 12A	20	1306	71	4653	28	84	88	54.7	84	99.8	85.4	84	119.4	113.5	84	140.9	N/A	N/A	N/A	4E	2408	2111	1315	41.2
130	AME 25 13A	19.5	1306	76	4848	31.2	91	95.7	91.9	91	709.6	92.6	91	129.4	123.3	91	152.9	N/A	N/A	N/A	4E	2501	2207	1315	41.4
140	AME 25 14A	19	1306	76	4995	32.5	98	102.7	65.8	98	117.6	99.7	98	139.5	133.1	98	164.9	N/A	N/A	N/A	4F	2606	2286	1315	41.3
150	AME 25 15A	18.75	1306	64	5826	29.6	105	108.1	57.3	105	119.1	85.4	105	134.9	114.8	105	155.2	142.8	105	176.9	4G	3121	2631	1315	40.1
160	AME 25 16A	18.5	1306	70	6035	31.2	112	115.7	61.9	112	127.5	92.6	112	144.9	124.6	112	167.2	152.6	112	189	4G	3233	2747	1315	40.4
170	AME 25 17A	18	1306	71	6189	32.5	119	122.8	65.8	119	135.5	98.1	119	152.8	131.7	119	177.2	163.7	119	202.1	4G	3350	2836	1315	40.3
180	AME 25 18A	18	1306	75	6429	35.1	126	130.3	68.8	126	143.8	105	126	163.6	137.3	126	187.2	172.2	126	213.1	4G	3478	2954	1315	40.3
190	AME 25 19A	17.5	1306	75	6604	36.4	133	137.4	74.3	133	151.9	110.8	133	172.7	147.1	133	196.7	182	133	225.1	4H	3602	3047	1315	40.2

Specifications for AME 25 Guyed Tower

90 MPH Wind Speed - No Ice

Tower Height (Ft.)	Part #	Allowable Projected Area (Sq. Ft.) Top of Tower [CaAc per EIA-222-F]	Base Foundation Drawing No.	Base Horizontal Reactions (lbs.)	Base Vertical Reactions (lbs.)	First Guy Height (Ft.)	First Guy Radius (Ft.)	First Guy Length (Ft.)	Second Guy Height (Ft.)	Second Guy Radius (Ft.)	Second Guy Length (Ft.)	Third Guy Height (Ft.)	Third Guy Radius (Ft.)	Third Guy Length (Ft.)	Fourth Guy Height (Ft.)	Fourth Guy Radius (Ft.)	Fourth Guy Length (Ft.)	Fifth Guy Height (Ft.)	Fifth Guy Radius (Ft.)	Fifth Guy Length (Ft.)	Anchor Drawing 1306	Anchor Horizontal Reactions (lbs.)	Anchor Vertical Reactions (lbs.)	Anchor Rod Drawing	Anchor Rod Angle
40	AME 25 4A	15.5	1306	151	2231	35.1	28	44.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4A	882	1111	1315	51.5
50	AME 25 5A	14.5	1306	57	2717	22.7	35	41.3	44.9	35	56.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4B	1330	1343	1315	45.3
60	AME 25 6A	14	1306	95	2933	28	42	50	54.7	42	68.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4B	1428	1453	1315	45.5
70	AME 25 7A	13.5	1306	116	3152	32.5	49	58.4	64.5	42	80.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4C	1539	1560	1315	45.4
80	AME 25 8A	13	1306	109	3920	25.3	56	61	50.8	56	75.2	74.3	56	92.7	N/A	N/A	N/A	N/A	N/A	N/A	4D	2049	1909	1315	43
90	AME 25 9A	12.75	1306	117	4167	28	63	68.4	57.3	63	84.7	84.1	63	104.8	N/A	N/A	N/A	N/A	N/A	N/A	4E	2198	2037	1315	42.8
100	AME 25 10A	12.5	1306	131	4425	31.2	70	76.1	63.2	70	93.9	93.9	70	116.8	N/A	N/A	N/A	N/A	N/A	N/A	4E	2347	2169	1315	42.7
110	AME 25 11A	12	1306	147	4674	35.1	77	84.1	70.4	77	103.9	103.7	77	128.8	N/A	N/A	N/A	N/A	N/A	N/A	4E	2491	2303	1315	42.8
120	AME 25 12A	11.75	1306	116	5509	28	84	88	54.7	84	99.8	85.4	84	119.4	113.5	84	140.9	N/A	N/A	N/A	4G	3101	2690	1315	40.9
130	AME 25 13A	11.75	1306	123	5827	31.2	91	95.7	91.9	91	709.6	92.6	91	129.4	123.3	91	152.9	N/A	N/A	N/A	4G	3279	2863	1315	41.1
140	AME 25 14A	11.5	1306	124	6089	32.5	98	102.7	65.8	98	117.6	99.7	98	139.5	133.1	98	164.9	N/A	N/A	N/A	4G	3464	3066	1315	41
150	AME 25 15A	11.25	1306	104	7045	29.6	105	108.1	57.3	105	119.1	85.4	105	134.9	114.8	105	155.2	142.8	105	176.9	4H	4128	3459	1315	40

Specifications for AME 25 Guyed Tower

110 MPH Wind Speed - No Ice

Tower Height (Ft.)	Part #	Allowable Projected Area (Sq. Ft.) Top of Tower [CaAc per EIA-222-F]	Base Foundation Drawing No.	Base Horizontal Reactions (lbs.)	Base Vertical Reactions (lbs.)	First Guy Height (Ft.)	First Guy Radius (Ft.)	First Guy Length (Ft.)	Second Guy Height (Ft.)	Second Guy Radius (Ft.)	Second Guy Length (Ft.)	Third Guy Height (Ft.)	Third Guy Radius (Ft.)	Third Guy Length (Ft.)	Fourth Guy Height (Ft.)	Fourth Guy Radius (Ft.)	Fourth Guy Length (Ft.)	Fifth Guy Height (Ft.)	Fifth Guy Radius (Ft.)	Fifth Guy Length (Ft.)	Anchor Drawing 1306	Anchor Horizontal Reactions (lbs.)	Anchor Vertical Reactions (lbs.)	Anchor Rod Drawing	Anchor Rod Angle
40	AME 25 4A	10	1306	250	2560	35.1	28	44.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4A	1030	1292	1315	51.4
50	AME 25 5A	9.5	1306	114	3079	22.7	35	41.3	44.9	35	56.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4C	1586	1571	1315	44.7
60	AME 25 6A	9.25	1306	152	3449	28	42	50	54.7	42	68.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4C	1749	1742	1315	44.9
70	AME 25 7A	8.5	1306	179	3761	32.5	49	58.4	64.5	42	80.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4D	1909	1881	1315	44.6
80	AME 25 8A	8.5	1306	155	4590	25.3	56	61	50.8	56	75.2	74.3	56	92.7	N/A	N/A	N/A	N/A	N/A	N/A	4E	2553	2334	1315	42.4
90	AME 25 9A	8.5	1306	166	4979	28	63	68.4	57.3	63	84.7	84.1	63	104.8	N/A	N/A	N/A	N/A	N/A	N/A	4F	2788	2539	1315	42.3
100	AME 25 10A	1	1306	165	4396	31.2	70	76.1	63.2	70	93.9	93.9	70	116.8	N/A	N/A	N/A	N/A	N/A	N/A	4F	2610	2215	1315	40.3