



Amerite 25 Guyed Tower Specifications



70 MPH Basic wind speed no ice

Tower height (ft.)	Part Number	Allowable projected area (Sq. ft.) top of tower [CaAc per EIA-222-F]	Base foundation drawing	Base horizontal reaction (lbs.)	Base vertical reaction (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 reaction (lbs.)	Anchor vertical reaction (lbs.)	Anchor rod drawing	Anchor rod angle
40	AME 25 4A	26	1306	75	1943	35.1	28.0	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	35.0	41.3	44.9	35.0	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	28.0	42.0	50.0	54.7	42.0	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	49.0	58.4	64.5	42.0	80.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4B	1250	1296	1315	46.0
80	AME 25 8A	22	1306	72	3460	25.3	56.0	61.0	50.8	56.0	75.2	74.3	56.0	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	28.0	63.0	68.4	57.3	63.0	847.0	84.1	63.0	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	70.0	76.1	63.2	70.0	93.9	93.9	70.0	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	77.0	84.1	70.4	77.0	103.9	103.7	77.0	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	28.0	84.0	88.0	54.7	84.0	99.8	85.4	84.0	119.4	113.5	84.0	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	91.0	95.7	91.9	91.0	709.6	92.6	91.0	129.4	123.3	91.0	152.9	n/a	n/a	n/a	4E	2501	2207	1315	41.4
140	AME 25 14A	19	1306	76	4995	32.5	98.0	102.7	65.8	98.0	117.6	99.7	98.0	139.5	133.1	98.0	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	105.0	108.1	57.3	105.0	119.1	85.4	105.0	134.9	114.8	105.0	155.2	142.8	105.0	176.9	4G	3121	2631	1315	40.1
160	AME 25 16A	18.5	1306	70	6035	31.2	112.0	115.7	61.9	112.0	127.5	92.6	112.0	144.9	124.6	112.0	167.2	152.6	112.0	189.0	4G	3233	2747	1315	40.4
170	AME 25 17A	18	1306	71	6189	32.5	119.0	122.8	65.8	119.0	135.5	98.1	119.0	152.8	131.7	119.0	177.2	163.7	119.0	202.1	4G	3350	2836	1315	40.3
180	AME 25 18A	18	1306	75	6429	35.1	126.0	130.3	68.8	126.0	143.8	105.0	126.0	163.6	137.3	126.0	187.2	172.2	126.0	213.1	4G	3478	2954	1315	40.3
190	AME 25 19A	17.5	1306	75	6604	36.4	133.0	137.4	74.3	133.0	151.9	110.8	133.0	172.7	147.1	133.0	196.7	182.0	133.0	225.1	4H	3602	3047	1315	40.2

90 MPH Basic wind speed no ice

Tower height (ft.)	Part Number	Allowable projected area (Sq. ft.) top of tower [CaAc per EIA-222-F]	Base foundation drawing	Base horizontal reaction (lbs.)	Base vertical reaction (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 reaction (lbs.)	Anchor vertical reaction (lbs.)	Anchor rod drawing	Anchor rod angle
40	AME 25 4B	15.5	1306	151	2231	35.1	28.0	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	51.6
50	AME 25 5B	14.5	1306	57	2717	22.7	35.0	41.3	44.9	35.0	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 6B	14	1306	95	2933	28.0	42.0	50.0	54.7	42.0	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 7B	13.5	1306	116	3152	32.5	49.0	58.4	64.5	42.0	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 8B	13	1306	109	3920	25.3	56.0	61.0	50.8	56.0	75.2	74.3	56.0	92.7	n/a	n/a	n/a	n/a	n/a	n/a	4D	2049	1909	1315	43.0
90	AME 25 9B	12.75	1306	117	4167	28.0	63.0	68.4	57.3	63.0	847.0	84.1	63.0	104.8	n/a	n/a	n/a	n/a	n/a	n/a	4E	2198	2037	1315	42.8
100	AME 25 10B	12.5	1306	131	4425	31.2	70.0	76.1	63.2	70.0	93.9	93.9	70.0	116.8	n/a	n/a	n/a	n/a	n/a	n/a	4E	2347	2169	1315	42.7
110	AME 25 11B	12	1306	147	4674	35.1	77.0	84.1	70.4	77.0	103.9	103.7	77.0	128.8	n/a	n/a	n/a	n/a	n/a	n/a	4E	2491	2303	1315	42.8
120	AME 25 12B	11.75	1306	116	5509	28.0	84.0	88.0	54.7	84.0	99.8	85.4	84.0	119.4	113.5	84.0	140.9	n/a	n/a	n/a	4G	3101	2690	1315	40.9
130	AME 25 13B	11.75	1306	123	5827	31.2	91.0	95.7	91.9	91.0	709.6	92.6	91.0	129.4	123.3	91.0	152.9	n/a	n/a	n/a	4G	3279	2863	1315	41.1
140	AME 25 14B	11.5	1306	124	6089	32.5	98.0	102.7	65.8	98.0	117.6	99.7	98.0	139.5	133.1	98.0	164.9	n/a	n/a	n/a	4G	3464	3006	1315	41.0
150	AME 25 15B	11.25	1306	104	7045	29.6	105.0	108.1	57.3	105.0	119.1	85.4	105.0	134.9	114.8	105.0	155.2	142.8	105.0	176.9	4H	4128	3459	1315	40.0

110 MPH Basic wind speed no ice

Tower height (ft.)	Part Number	Allowable projected area (Sq. ft.) top of tower [CaAc per EIA-222-F]	Base foundation drawing	Base horizontal reaction (lbs.)	Base vertical reaction (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 reaction (lbs.)	Anchor vertical reaction (lbs.)	Anchor rod drawing	Anchor rod angle
40	AME 25 4C	10	1306	250	2560	35.1	28.0	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 5C	9.5	1306	114	3079	22.7	35.0	41.3	44.9	35.0	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 6C	9.25	1306	152	3449	28.0	42.0	50.0	54.7	42.0	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 7C	8.5	1306	179	3761	32.5	49.0	58.4	64.5	42.0	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 8C	8.5	1306	155	4590	25.3	56.0	61.0	50.8	56.0	75.2	74.3	56.0	92.7	n/a	n/a	n/a	n/a	n/a	n/a	4E	2553	2334	1315	42.4
90	AME 25 9C	8.5	1306	166	4979	28.0	63.0	68.4	57.3	63.0	847.0	84.1	63.0	104.8	n/a	n/a	n/a	n/a	n/a	n/a	4F	2788	2539	1315	42.3
100	AME 25 10C	1	1306	165	4396	31.2	70.0	76.1	63.2	70.0	93.9	93.9	70.0	116.8	n/a	n/a	n/a	n/a	n/a	n/a	4F	2610	2215	1315	40.3