



Amerite 55 Guyed Tower Specifications - 110 MPH



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 (Klbs.)	Base vertical reaction (Klbs.)	First guy height (ft.)	First guy radius (ft.)	First guy length (ft.)	First guy diameter (in.)	Second guy height (ft.)	Second guy radius (ft.)	Second guy length (ft.)	Second guy diameter (in.)	Third guy height (ft.)	Third guy radius (ft.)	Third guy length (ft.)	Third guy diameter (in.)
100	AME 55 10C	32	1306	0	11	32.7	70.0	76.5	3/16	95.1	70.0	117.6	5/16	n/a	n/a	n/a	n/a
110	AME 55 11C	31	1306	0	11	35.5	77.0	84.0	3/16	71.1	77.0	104.3	1/4	105.0	77.0	129.7	5/16
120	AME 55 12C	30.5	1306	0	12	36.2	84.0	91.5	3/16	76.6	84.0	113.0	1/4	115.0	84.0	141.8	5/16
130	AME 55 13C	30	1306	0	13	42.7	91.0	99.8	3/16	82.4	91.0	122.2	1/4	124.9	91.0	154.0	5/16
140	AME 55 14C	29.5	1306	0	14	34.1	98.0	102.9	3/16	100.9	98.0	140.1	1/4	134.8	98.0	188.2	5/16
150	AME 55 15C	29	1306	0	15	35.5	105.0	110.0	3/16	107.7	105.0	149.8	1/4	144.8	105.0	178.4	5/16
160	AME 55 16C	28.5	1306	0	15	38.5	112.0	117.6	3/16	78.2	112.0	135.8	3/16	116.3	112.0	160.9	1/4
170	AME 55 17C	27	1306	0	16	41.9	119.0	125.3	3/16	82.4	119.0	144.1	3/16	123.5	119.0	170.9	1/4
180	AME 55 18C	26.75	1306	0	17	36.8	126.0	130.5	3/16	71.7	126.0	143.9	3/16	106.4	126.0	164.3	3/16
190	AME 55 19C	25	1306	0	18	36.8	133.0	137.2	3/16	73.9	133.0	151.4	3/16	111.5	133.0	172.5	3/16

Cont...

Tower height (ft.)	Part Number	Allowable projected area (Sq. ft.) top of tower [CaAc per EIA-222-F]	Fourth guy height (ft.)	Fourth guy radius (ft.)	Fourth guy length (ft.)	Fourth guy diameter (in.)	Fifth guy height (ft.)	Fifth guy radius (ft.)	Fifth guy length (ft.)	Fifth guy diameter (in.)	Anchor drawing 1306	Anchor horizontal reaction (Klbs.)	Anchor vertical reaction (Klbs.)	Anchor rod drawing	Anchor rod angle
100	AME 55 10C	32	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		5	5		45.0
110	AME 55 11C	31	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		5	6		50.2
120	AME 55 12C	30.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		6	6		45.0
130	AME 55 13C	30	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		6	6		45.0
140	AME 55 14C	29.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		7	7		45.0
150	AME 55 15C	29	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		7	7		45.0
160	AME 55 16C	28.5	154.7	112.0	190.7	5/16	n/a	n/a	n/a	n/a		8	8		45.0
170	AME 55 17C	27	164.6	119.0	202.7	5/16	n/a	n/a	n/a	n/a		8	8		45.0
180	AME 55 18C	26.75	141.3	126.0	188.3	1/4	174.6	126.0	214.8	5/16		9	9		45.0
190	AME 55 19C	25	147.8	133.0	198.0	1/4	184.5	133.0	226.9	5/16		10	9		42.0