



55 Guyed Tower Specifications – 90 MPH

Specifications for AME 55 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.)	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.)	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.)
100	AME 55 10B	49.8	1306	0	10	32.7	70	76.3	3/16	62.6	70	93.2	1/4	95.1	70	117.6	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
110	AME 55 11B	46.75	1306	0	10	35.5	77	84	3/16	71.1	77	104.2	1/4	105	77	129.7	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
120	AME 55 12B	45.5	1306	0	10	38.2	84	91.5	3/16	76.6	84	113	1/4	115	84	141.9	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
130	AME 55 13B	45	1306	0	11	42.7	91	99.8	3/16	82.4	91	122.2	1/4	124.9	91	154	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
140	AME 55 14B	44.25	1306	0	12	34.1	98	103	3/16	100.9	98	140.1	1/4	134.8	98	188.2	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
150	AME 55 15B	43.5	1306	0	12	35.5	105	110	3/16	72.5	105	127	3/16	107.7	105	149.9	1/4	144.8	105	178.4	5/16	N/A	N/A	N/A	N/A
160	AME 55 16B	42.5	1306	0	13	38.5	112	117.7	3/16	78.2	112	135.8	3/16	116.3	112	160.9	1/4	154.7	112	190.5	5/16	N/A	N/A	N/A	N/A
170	AME 55 17B	42	1306	0	13	41.9	119	125.3	3/16	82.4	119	144.1	3/16	123.5	119	171	1/4	164.7	119	202.8	5/16	N/A	N/A	N/A	N/A
180	AME 55 18B	41.5	1306	0	14	36.8	126	130.5	3/16	71.7	126	144	3/16	112.2	126	164.3	3/16	141.3	126	188.3	1/4	174.6	126	214.8	5/16
190	AME 55 19B	41	1306	0	15	36.8	133	137.3	3/16	73.9	133	151.4	3/16	111.5	133	172.5	3/16	147.8	133	198	1/4	184.5	133	227	5/16
200	AME 55 20B	40.5	1306	0	15	41.9	140	145.3	3/16	78.2	140	159.5	3/16	116.3	140	181.4	3/16	156.1	140	209.1	1/4	194.5	140	239.1	5/16
210	AME 55 21B	40	1306	0	16	41.9	147	151.9	3/16	82.4	147	167.8	3/16	123.5	147	191.4	3/16	164.6	147	220.3	1/4	204.4	147	251.3	5/16
220	AME 55 22B	39.5	1306	0	17	35.5	154	157.4	3/16	72.5	154	169.5	3/16	112.2	154	189.9	3/16	144.8	154	210.8	3/16	181	154	236.7	1/4
230	AME 55 23B	39	1306	0	18	35.5	161	164	3/16	72.5	161	175.8	3/16	111.5	161	194.8	3/16	151.2	161	219.9	3/16	187.5	161	246.4	1/4
240	AME 55 24B	38.75	1306	0	20	32.7	90	95	3/16	66.6	90	111.3	3/16	101.5	90	134.9	3/16	133.5	168	214	3/16	167.6	168	236.8	3/16
250	AME 55 25B	38.5	1306	0	21	35.5	90	96	3/16	71.7	90	114	3/16	105	90	137.8	3/16	141.3	175	223.9	3/16	174.6	175	246.7	3/16
260	AME 55 26B	38	1306	0	22	32.7	90	97	3/16	75.5	90	116.6	3/16	111.5	90	142.3	3/16	147.8	182	233.7	3/16	183.2	182	257.7	3/16
270	AME 55 27B	37.75	1306	0	23	34.1	90	95.5	3/16	66.6	90	111.3	3/16	101.5	90	134.8	3/16	133.5	189	230.8	3/16	166	189	251	3/16
280	AME 55 28B	37	1306	0	24	35.5	90	96	3/16	71.7	90	114	3/16	105	90	137.8	3/16	141.3	196	240.7	3/16	173.2	196	261	3/16
290	AME 55 29B	35.75	1306	0	25	38.5	90	97	3/16	75.5	90	116.7	3/16	111.5	90	142.3	3/16	144.8	203	248.8	3/16	181	203	271	3/16
300	AME 55 30B	34	1306	0	25	41.9	90	98.3	3/16	81.6	90	120.5	3/16	115	90	145.5	3/16	151.2	210	257.8	3/16	187.5	210	280	3/16

Specifications for AME 55 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]	Sixth Guy Height (Ft.)	Sixth Guy Radius (Ft.)	Sixth Guy Length (Ft.)	Sixth Guy Diameter (in.)	Seventh Guy Height (Ft.)	Seventh Guy Radius (Ft.)	Seventh Guy Length (Ft.)	Seventh Guy Diameter (in.)	Eighth Guy Height (Ft.)	Eighth Guy Radius (Ft.)	Eighth Guy Length (Ft.)	Eighth Guy Diameter (in.)	Inner Anchor Block Drawing 1306	Inner Anchor Horizontal Reaction (Klbs.)	Inner Anchor Vertical Reaction (Klbs.)	Inner Anchor Rod Drawing	Inner Anchor Rod Angle	Outer Anchor Block Drawing 1306	Outer Anchor Horizontal Reaction (Klbs.)	Outer Anchor Vertical Reaction (Klbs.)	Outer Anchor Rod Drawing	Outer Anchor Rod Angle
100	AME 55 10B	49.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	5	N/A	51.3	N/A	N/A	N/A	N/A	N/A
110	AME 55 11B	46.75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	5	N/A	51.3	N/A	N/A	N/A	N/A	N/A
120	AME 55 12B	45.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	5	N/A	45	N/A	N/A	N/A	N/A	N/A
130	AME 55 13B	45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	5	N/A	45	N/A	N/A	N/A	N/A	N/A
140	AME 55 14B	44.25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	6	N/A	45	N/A	N/A	N/A	N/A	N/A
150	AME 55 15B	43.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	6	N/A	45	N/A	N/A	N/A	N/A	N/A
160	AME 55 16B	42.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	6	N/A	45	N/A	N/A	N/A	N/A	N/A
170	AME 55 17B	42	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	6	N/A	45	N/A	N/A	N/A	N/A	N/A
180	AME 55 18B	41.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	7	N/A	45	N/A	N/A	N/A	N/A	N/A
190	AME 55 19B	41	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	7	N/A	45	N/A	N/A	N/A	N/A	N/A
200	AME 55 20B	40.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	7	N/A	41.2	N/A	N/A	N/A	N/A	N/A
210	AME 55 21B	40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	8	N/A	45	N/A	N/A	N/A	N/A	N/A
220	AME 55 22B	39.5	214.3	154	263.5	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	8	N/A	41.6	N/A	N/A	N/A	N/A	N/A
230	AME 55 23B	39	224.3	161	275.8	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	9	N/A	45	N/A	N/A	N/A	N/A	N/A
240	AME 55 24B	38.75	201.7	168	262	1/4	234.2	168	287.8	5/16	N/A	N/A	N/A	N/A	N/A	3	2	N/A	33.7	N/A	7	8	N/A	48.8
250	AME 55 25B	38.5	210.8	175	273	1/4	244.1	175	299.9	5/16	N/A	N/A	N/A	N/A	N/A	3	2	N/A	33.7	N/A	7	8	N/A	48.8
260	AME 55 26B	38	220.8	182	285.1	1/4	254.1	182	312	5/16	N/A	N/A	N/A	N/A	N/A	3	2	N/A	33.7	N/A	8	9	N/A	48.4
270	AME 55 27B	37.75	200.9	189	274.9	3/16	231.5	189	298.3	1/4	264	189	324.3	5/16	N/A	3	2	N/A	33.7	N/A	9	9	N/A	45
280	AME 55 28B	37	207.4	196	284.7	3/16	241.4	196	310.5	1/4	274	196	338.4	5/16	N/A	3	2	N/A	33.7	N/A	9	10	N/A	48
290	AME 55 29B	35.75	214.3	203	294.7	3/16	250.6	203	321.5	1/4	283.9	203	348.5	5/16	N/A	3	2	N/A	33.7	N/A	9	10	N/A	48
300	AME 55 30B	34	222.9	210	305.8	3/16	260.5	210	333.7	1/4	293.8	210	360.8	5/16	N/A	3	2	N/A	33.7	N/A	9	10	N/A	48



55 Guyed Tower Specifications – 110 MPH

Specifications for AME 55 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.)	First Guy Diameter (in.)	Second Guy Height (Ft.)	Second Guy Radius (Ft.)	Second Guy Length (Ft.)	Second Guy Diameter (in.)
100	AME 55 10C	32	1306	0	11	32.7	70	76.5	3/16	95.1	70	117.6	5/16
110	AME 55 11C	31	1306	0	11	35.5	77	84	3/16	71.1	77	104.3	1/4
120	AME 55 12C	30.5	1306	0	12	36.2	84	91.5	3/16	76.6	84	113	1/4
130	AME 55 13C	30	1306	0	13	42.7	91	99.8	3/16	82.4	91	122.2	1/4
140	AME 55 14C	29.5	1306	0	14	34.1	98	102.9	3/16	100.9	98	140.1	1/4
150	AME 55 15C	29	1306	0	15	35.5	105	110	3/16	107.7	105	149.8	1/4
160	AME 55 16C	28.5	1306	0	15	38.5	112	117.6	3/16	78.2	112	135.8	3/16
170	AME 55 17C	27	1306	0	16	41.9	119	125.3	3/16	82.4	119	144.1	3/16
180	AME 55 18C	26.75	1306	0	17	36.8	126	130.5	3/16	71.7	126	143.9	3/16
190	AME 55 19C	25	1306	0	18	36.8	133	137.2	3/16	73.9	133	151.4	3/16

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Third Guy Height (Ft.)	Third Guy Radius (Ft.)	Third Guy Length (Ft.)	Third Guy Diameter (in.)	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 Reactions (Klbs.)	Anchor Vertical Reactions (Klbs.)	Anchor Rod Drawing	Anchor Rod Angle
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	5	N/A	45
105	77	129.7	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	6	N/A	50.2
115	84	141.8	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	6	N/A	45
124.9	91	154	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	6	N/A	45
134.8	98	188.2	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	7	N/A	45
144.8	105	178.4	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	7	N/A	45
116.3	112	160.9	1/4	154.7	112	190.7	5/16	N/A	N/A	N/A	N/A	N/A	8	8	N/A	45
123.5	119	170.9	1/4	164.6	119	202.7	5/16	N/A	N/A	N/A	N/A	N/A	8	8	N/A	45
106.4	126	164.3	3/16	141.3	126	188.3	1/4	174.6	126	214.8	5/16	N/A	9	9	N/A	45
111.5	133	172.5	3/16	147.8	133	198	1/4	184.5	133	226.9	5/16	N/A	10	9	N/A	42