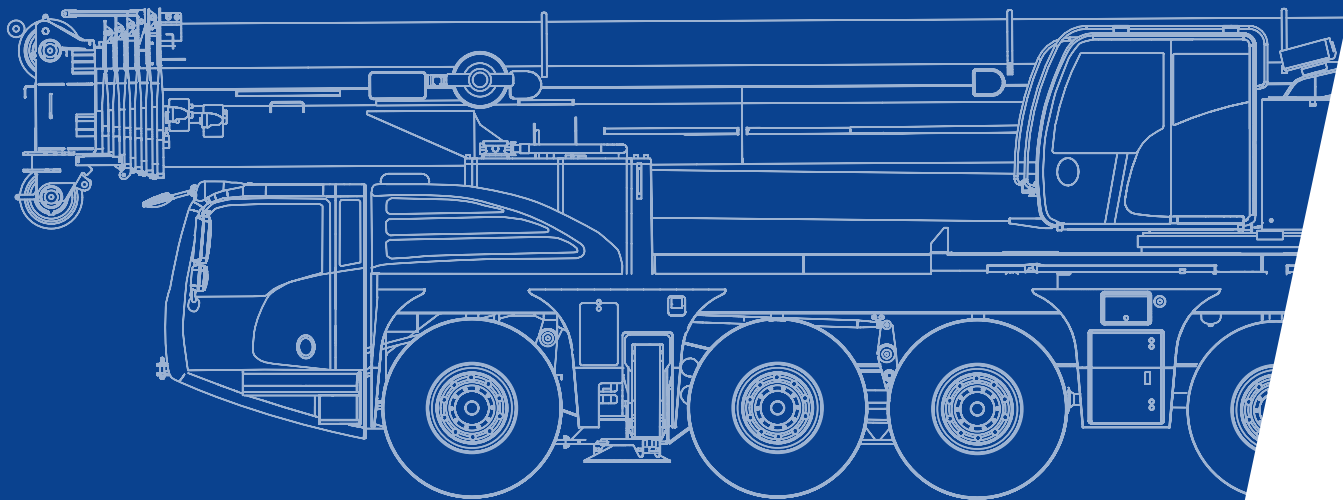
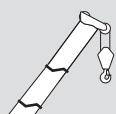


AC 250-5



**All Terrain Crane
300 USt Capacity class**

	Page:
Dimensions.....	4
Specifications.....	5
Equipment.....	6
Counterweight.....	7



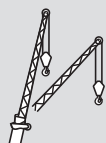
HA

Main boom.....	8
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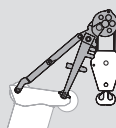
HAV

Folding swing-away jib.....	22
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HAV-VA

Variable extension with swing-away jib.....	26
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MS












Runner.....	30
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Technical description.....	36
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	Counterweight		Boom telescoping
	Lifting capacities on outriggers - 360°		Boom elevation
	Radius		Working speeds
	Main boom		Max. line pull
	Folding swing-away jib		Rope diameter
	Runner		Rope length
	Max. axle loads		Hook block (capacity-sheaves-rope diameter)
	Mechanism		Number of lines
	Tires		Possible load of hook block
	Hook block		Weight of hook block
	Hoist		Distance head sheave axle – hook ground
	Dolly		Number of sheaves in boom head
	Travel speed		Supporting force
	Gradeability – road		Length of stroke (support cylinders)
	Gradeability – off road		Payload incl. rear storage box
	Slewing		Additional parts for hydraulic system

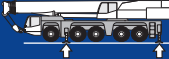

Specifications

AC 250-5




											
	Total										
< 20,000 lb				On request!							X
18,700 lb	81,600 lb	10x6x10	385/95R25	–	–	–	–	–	–	–	
26,500 lb	132,300 lb	10x8x10	445/95R25	229.7 ft	32-1-21 Vario	–	–	–	990 lb	–	
26,500 lb	132,300 lb	10x8x10	445/95R25	229.7 ft	–	–	–	X	1870 lb	–	
29,100 lb	138,900 lb	10x8x10	445/95R25	229.7 ft	32-1-21	–	68.9 ft	–	2095 lb	–	
36,400 lb	180,800 lb	10x8x10	445/95R25	229.7 ft	32-1-21	41,200 lb	68.9 ft	X	2095 lb	–	









	1 Highway > 28 mph		4* Off-wall
	2 City < 28 mph		5* Crab steer mode
	3 Minimum turning radius		6* All wheel steering







*must be activated

		
209,500 lb	231,500 lb	52.8 mph ¹⁾
16.9 in	23 in	

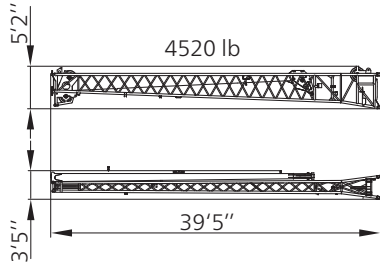
¹⁾ Depending on tire type, size and country specific legislation

	385 / 95 R 25 14.00 R 25	445 / 95 R 25 16.00 R 25	525 / 80 R 25 20.50 R 25
	48 %	43 %	43 %
	73 %	64 %	64 %

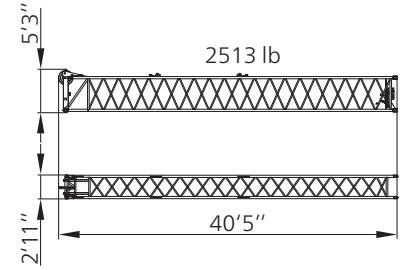
				
1	394 ft/min	22,076 lbf	0.83 in	1083 ft
2	394 ft/min	22,076 lbf	0.83 in	1083 ft
	1,55 min ⁻¹			
	ca. 527 s (41.7-229.7 ft)			
	ca. 49 s (-1,4° - 82°)			

					
1	21,800	12-0-21	5	770 lb	6.6 ft
2	43,400	32-1-21	5	1390 lb	8.9 ft
3	64,800	32-1-21	5	1390 lb	8.9 ft
4	86,200	80-3-21	5	1870 lb	9.8 ft
5	107,200	80-3-21	5	1870 lb	9.8 ft
6	127,900	80-3-21	5	1870 lb	9.8 ft
7	148,400	80-3-21	5	1870 lb	9.8 ft
8	168,900	125-5-21	5	2490 lb	9.8 ft
9	189,000	125-5-21	5	2490 lb	9.8 ft
10	209,000	125-5-21	5	2490 lb	9.8 ft
12	248,300	160-7-21	5 + 2	3660 lb	9.8 ft
14	286,600	160-7-21	5 + 2	3660 lb	9.8 ft

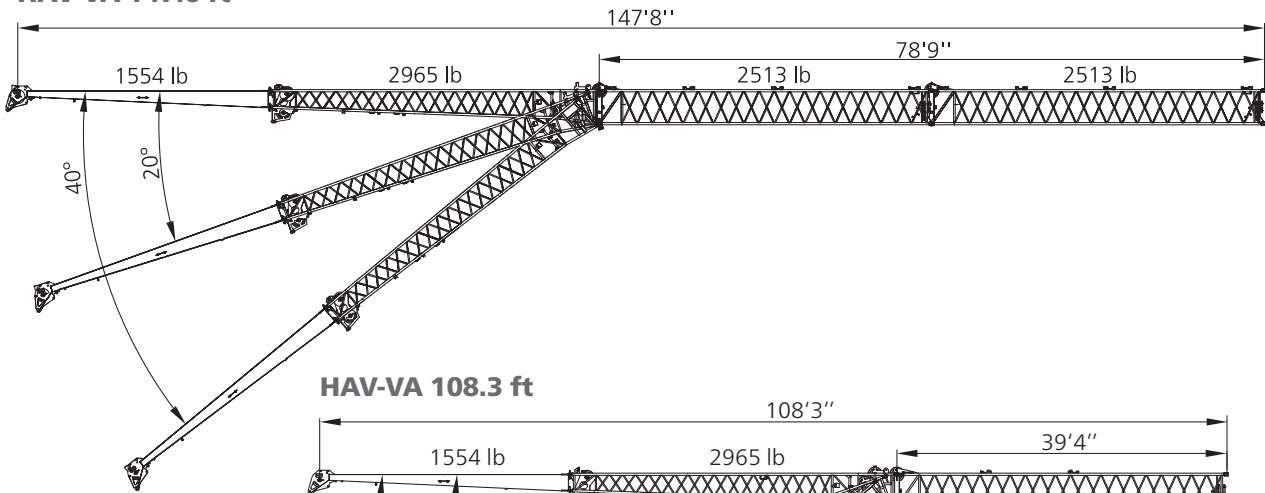
HAV / HAV-VA



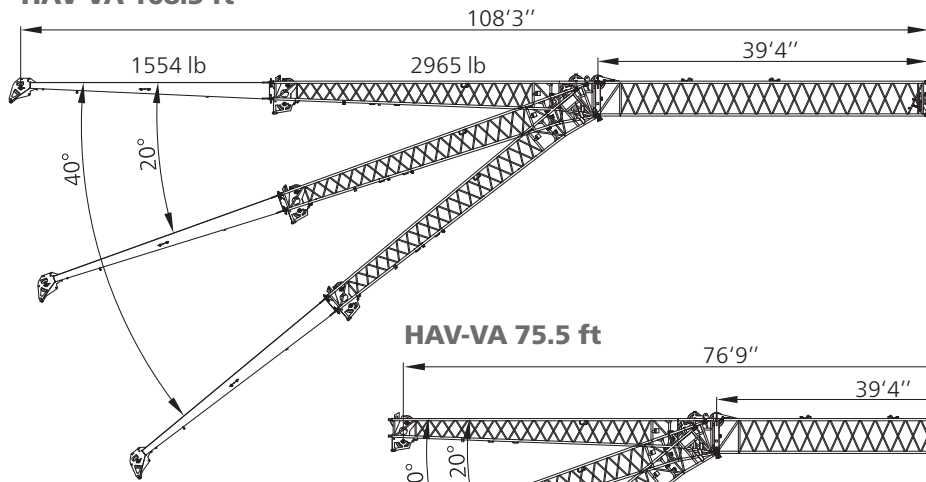
VA



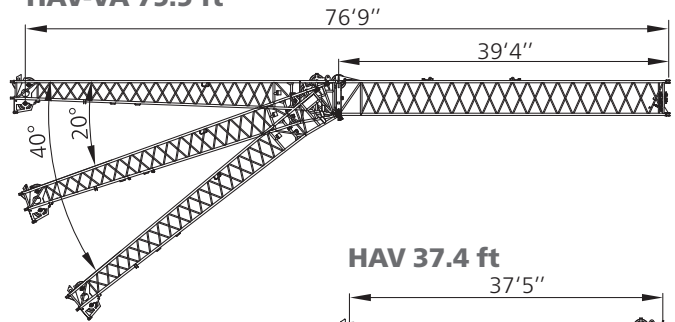
HAV-VA 147.6 ft



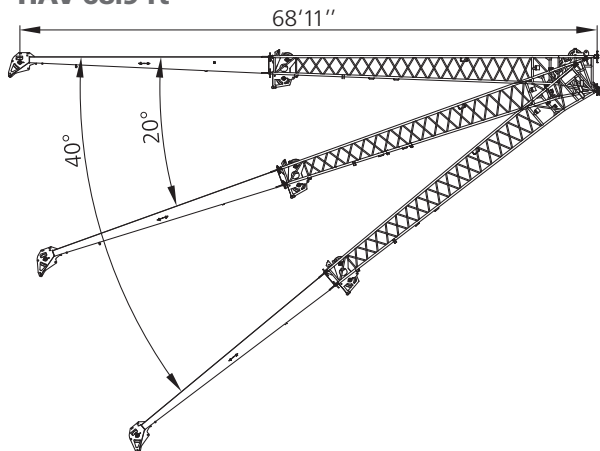
HAV-VA 108.3 ft



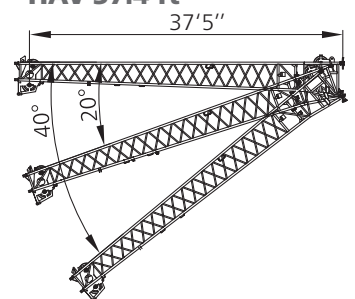
HAV-VA 75.5 ft



HAV 68.9 ft



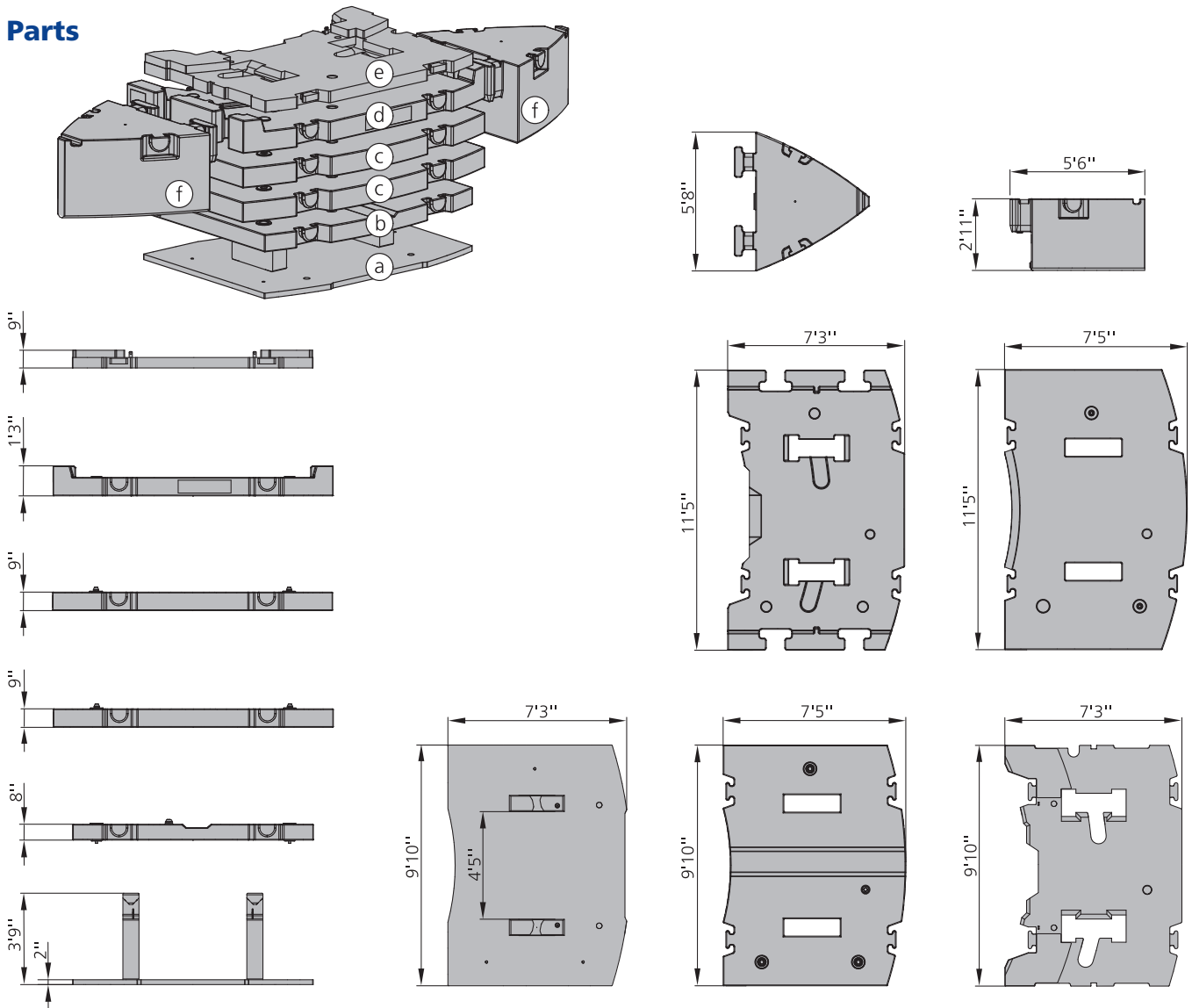
HAV 37.4 ft



Counterweight

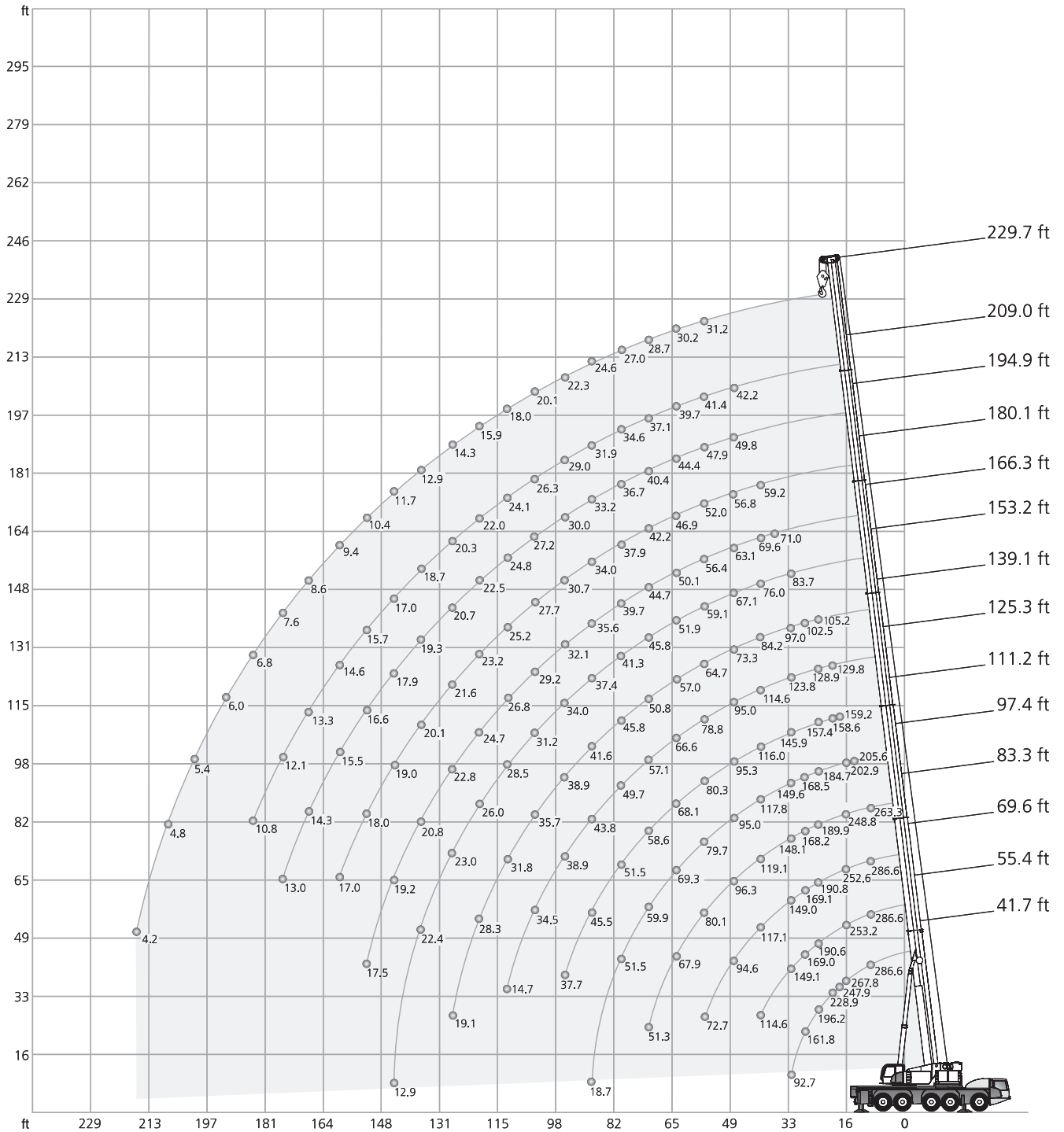
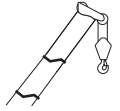
AC 250-5

Parts



Configurations

	Ⓐ 11,250 lb	Ⓑ 17,640 lb	Ⓒ 24,700 lb	Ⓒ 24,700 lb	Ⓓ 23,150 lb	Ⓔ 12,350 lb	Ⓕ 20,500 lb	Ⓕ 20,500 lb
0 lb								
11,250 lb	X							
28,900 lb	X	X						
41,200 lb	X	X				X		
53,600 lb	X	X	X					
65,900 lb	X	X	X			X		
78,300 lb	X	X	X	X				
90,600 lb	X	X	X	X		X		
101,400 lb	X	X	X	X	X			
113,800 lb	X	X	X	X	X	X		
154,800 lb	X	X	X	X	X	X	X	X



☰ 154,800 lb		📏 27.60 ft x 29.10 ft										360°		ASME B30.5		
📐 41.7ft* 41.7ft		55.4ft	69.6ft	83.3ft	97.4ft	111.2ft	125.3ft	139.1ft	153.2ft	166.3ft	180.1ft	194.9ft	209.0ft	229.7ft	📐	
ft	1,000 lb														ft	
8	550.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
10	286.6	286.6	286.6	286.6	263.3	-	-	-	-	-	-	-	-	-	-	10
12	286.6	285.9	286.3	285.6	262.0	-	-	-	-	-	-	-	-	-	-	12
14	283.7	273.8	274.9	273.3	259.5	205.6	-	-	-	-	-	-	-	-	-	14
16	267.8	251.3	253.2	252.6	248.8	202.9	-	-	-	-	-	-	-	-	-	16
18	247.9	233.1	235.0	235.0	232.7	200.2	159.2	-	-	-	-	-	-	-	-	18
20	228.9	216.2	217.8	217.8	216.7	197.0	158.6	129.8	-	-	-	-	-	-	-	20
24	196.2	189.1	190.6	190.8	189.9	184.7	157.4	128.9	105.2	-	-	-	-	-	-	24
28	161.8	160.9	169.0	169.1	168.2	168.5	154.3	126.9	102.5	-	-	-	-	-	-	28
32	92.7	92.7	149.1	149.0	148.1	149.6	145.9	123.8	97.0	83.7	-	-	-	-	-	32
36	-	-	132.5	132.3	131.7	133.0	131.2	119.8	90.5	80.1	71.0	-	-	-	-	36
40	-	-	114.6	117.1	119.1	117.8	116.0	114.6	84.2	76.0	69.6	59.2	-	-	-	40
48	-	-	-	94.6	96.3	95.0	95.3	95.0	73.3	67.1	63.1	56.8	49.8	42.2	-	48
56	-	-	-	72.7	80.1	79.7	80.3	78.8	64.7	59.1	56.4	52.0	47.9	41.4	31.2	56
64	-	-	-	-	67.9	69.3	68.1	66.6	57.0	51.9	50.1	46.9	44.4	39.7	30.2	64
72	-	-	-	-	51.3	59.9	58.6	57.1	50.8	45.8	44.7	42.2	40.4	37.1	28.7	72
80	-	-	-	-	-	51.5	51.5	49.7	45.8	41.3	39.7	37.9	36.7	34.6	27.0	80
88	-	-	-	-	-	18.7	45.5	43.8	41.6	37.4	35.6	34.0	33.2	31.9	24.6	88
96	-	-	-	-	-	-	37.7	38.9	38.9	34.0	32.1	30.7	30.0	29.0	22.3	96
104	-	-	-	-	-	-	18.0	34.5	35.7	31.2	29.2	27.7	27.2	26.3	20.1	104
112	-	-	-	-	-	-	-	14.7	31.8	28.5	26.8	25.2	24.8	24.1	18.0	112
120	-	-	-	-	-	-	-	13.6	28.3	26.0	24.7	23.2	22.5	22.0	15.9	120
128	-	-	-	-	-	-	-	-	19.1	23.0	22.8	21.6	20.7	20.3	14.3	128
136	-	-	-	-	-	-	-	-	13.2	22.4	20.8	20.1	19.3	18.7	12.9	136
144	-	-	-	-	-	-	-	-	-	12.9	19.2	19.0	17.9	17.0	11.7	144
152	-	-	-	-	-	-	-	-	-	-	17.5	18.0	16.6	15.7	10.4	152
160	-	-	-	-	-	-	-	-	-	-	-	17.0	15.5	14.6	9.4	160
168	-	-	-	-	-	-	-	-	-	-	-	-	14.3	13.3	8.6	168
176	-	-	-	-	-	-	-	-	-	-	-	-	13.0	12.1	7.6	176
184	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	6.8	184
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	192
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	216
1)	46.7	46.7	34.2	26.2	20.7	16.5	13.0	10.1	7.3	5.1	3.7	-	-	-	-	1)

1) Capacities with horizontal boom
 * over rear
 ** Capacity class

113,800 lb		27.60 ft x 29.10 ft						360° / Max.*						ASME B30.5	
ft	360° 41.7ft	Max. 41.7ft	360° 55.4ft	Max. 55.4ft	360° 69.6ft	Max. 69.6ft	360° 83.3ft	Max. 83.3ft	360° 97.4ft	Max. 97.4ft	360° 111.2ft	Max. 111.2ft	360° 125.3ft	Max. 125.3ft	ft
1,000 lb															
10	286.6	286.6	286.6	286.6	286.6	286.6	263.3	263.3	-	-	-	-	-	-	10
12	284.9	285.9	285.6	286.3	284.9	285.6	262.0	262.0	-	-	-	-	-	-	12
14	271.1	273.8	272.7	274.9	270.5	273.3	259.5	259.5	205.6	205.6	-	-	-	-	14
16	249.1	251.3	250.2	253.2	250.2	252.7	248.8	248.8	202.9	202.9	-	-	-	-	16
18	230.9	233.1	232.2	235.0	232.2	235.0	231.8	232.7	200.2	200.2	159.2	159.2	-	-	18
20	214.1	216.1	215.6	217.7	215.6	217.6	214.7	216.5	197.0	197.0	158.6	158.6	129.8	129.8	20
24	185.5	185.6	187.1	187.5	187.2	187.3	186.3	186.3	182.9	182.9	157.4	157.4	128.9	128.9	24
28	157.6	157.6	160.0	160.0	160.0	160.0	158.9	158.9	160.6	160.6	152.8	152.8	126.9	126.9	28
32	92.7	92.7	137.7	137.7	137.5	137.5	139.6	139.6	138.2	138.2	136.2	136.2	123.8	123.8	32
36	-	-	120.7	120.7	120.6	120.6	122.6	122.6	121.2	121.2	119.3	119.3	115.7	115.7	36
40	-	-	103.9	103.9	107.8	108.0	107.4	107.4	106.0	106.0	108.0	108.0	106.0	106.0	40
48	-	-	-	-	87.0	87.0	86.6	86.6	87.5	87.5	87.0	87.0	85.3	85.3	48
56	-	-	-	-	68.6	68.6	71.8	71.8	73.3	73.3	72.2	72.2	70.2	70.2	56
64	-	-	-	-	-	-	62.1	62.8	61.2	62.0	59.8	60.9	57.6	59.2	64
72	-	-	-	-	-	-	51.2	51.2	51.1	53.5	49.6	52.2	47.4	50.7	72
80	-	-	-	-	-	-	-	-	43.6	46.8	42.0	45.6	41.8	43.9	80
88	-	-	-	-	-	-	-	-	18.7	18.7	36.2	40.3	37.5	38.5	88
96	-	-	-	-	-	-	-	-	-	-	33.1	35.8	32.9	35.7	96
104	-	-	-	-	-	-	-	-	-	-	18.0	18.0	28.9	33.0	104
112	-	-	-	-	-	-	-	-	-	-	-	-	14.7	14.7	112
120	-	-	-	-	-	-	-	-	-	-	-	-	13.6	13.6	120
1)	46.7	46.7	34.2	34.2	26.2	26.2	20.7	20.7	16.5	16.5	13.0	13.0	10.1	10.1	1)

ft	360° 139.1ft	Max. 139.1ft	360° 153.2ft	Max. 153.2ft	360° 166.3ft	Max. 166.3ft	360° 180.1ft	Max. 180.1ft	360° 194.9ft	Max. 194.9ft	360° 209.0ft	Max. 209.0ft	360° 229.7ft	Max. 229.7ft	ft
1,000 lb															
24	105.2	105.2	-	-	-	-	-	-	-	-	-	-	-	-	24
28	102.5	102.5	-	-	-	-	-	-	-	-	-	-	-	-	28
32	97.0	97.0	83.7	83.7	-	-	-	-	-	-	-	-	-	-	32
36	90.5	90.5	80.1	80.1	71.0	71.0	-	-	-	-	-	-	-	-	36
40	84.2	84.2	76.0	76.0	69.6	69.6	59.2	59.2	-	-	-	-	-	-	40
48	73.3	73.3	67.1	67.1	63.1	63.1	56.8	56.8	49.8	49.8	42.2	42.2	-	-	48
56	64.7	64.7	59.1	59.1	56.4	56.4	52.0	52.0	47.9	47.9	41.4	41.4	31.2	31.2	56
64	56.0	57.0	51.9	51.9	50.1	50.1	46.9	46.9	44.4	44.4	39.7	39.7	30.2	30.2	64
72	48.2	50.0	45.8	45.8	44.7	44.7	42.2	42.2	40.4	40.4	37.1	37.1	28.7	28.7	72
80	41.5	44.5	39.4	41.3	38.7	39.7	37.9	37.9	36.7	36.7	34.6	34.6	27.0	27.0	80
88	35.5	39.7	33.5	37.4	33.9	35.6	33.1	34.0	33.2	33.2	31.9	31.9	24.6	24.6	88
96	31.1	35.2	29.2	33.5	28.9	32.1	29.7	30.7	29.2	30.0	29.0	29.0	22.3	22.3	96
104	27.6	31.3	27.3	29.6	26.0	29.2	26.7	27.7	26.5	27.2	26.0	26.3	20.1	20.1	104
112	24.1	28.1	24.3	26.3	24.1	26.7	24.3	25.2	23.4	24.8	22.5	24.1	18.0	18.0	112
120	22.5	25.2	21.9	24.2	21.6	23.8	21.2	23.2	20.3	22.5	19.4	22.0	15.9	15.9	120
128	15.3	17.8	19.6	22.9	19.8	21.3	19.3	21.6	17.7	20.7	16.9	20.3	14.3	14.3	128
136	13.2	13.2	18.5	21.4	18.1	20.1	17.1	20.1	15.5	19.3	14.6	18.7	12.9	12.9	136
144	-	-	12.5	12.8	16.2	19.2	15.1	19.0	13.5	17.9	12.8	17.0	11.7	11.7	144
152	-	-	-	-	13.0	16.9	13.5	17.4	11.7	16.5	11.9	15.7	10.4	10.4	152
160	-	-	-	-	-	-	11.8	15.6	10.2	14.8	10.5	14.0	9.2	9.4	160
168	-	-	-	-	-	-	-	-	8.9	13.4	9.0	12.5	7.7	8.6	168
176	-	-	-	-	-	-	-	-	8.3	11.9	7.7	11.0	6.4	7.6	176
184	-	-	-	-	-	-	-	-	-	-	6.6	9.8	5.3	6.8	184
192	-	-	-	-	-	-	-	-	-	-	-	-	4.2	6.0	192
200	-	-	-	-	-	-	-	-	-	-	-	-	3.3	5.4	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	216
1)	7.3	7.3	5.1	5.1	3.7	3.7	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

41,200 lb		27.60 ft x 29.10 ft								360° / Max.*				ASME B30.5	
ft	360° 41.7ft	Max. 41.7ft	360° 55.4ft	Max. 55.4ft	360° 69.6ft	Max. 69.6ft	360° 83.3ft	Max. 83.3ft	360° 97.4ft	Max. 97.4ft	360° 111.2ft	Max. 111.2ft	360° 125.3ft	Max. 125.3ft	ft
10	286.6	286.6	286.6	286.6	286.6	286.6	263.3	263.3	-	-	-	-	-	-	10
12	283.5	285.9	283.8	286.3	283.8	285.6	262.0	262.0	-	-	-	-	-	-	12
14	266.1	272.9	267.8	274.5	267.8	272.0	259.5	259.5	205.6	205.6	-	-	-	-	14
16	241.9	243.7	244.1	245.7	244.1	245.3	243.0	243.2	202.9	202.9	-	-	-	-	16
18	217.5	217.7	219.8	219.8	219.8	219.8	218.6	218.6	198.5	200.2	159.2	159.2	-	-	18
20	193.7	193.7	196.1	196.1	196.1	196.1	194.7	194.7	190.8	195.0	157.1	158.6	129.8	129.8	20
24	156.2	156.2	158.4	158.4	158.4	158.4	159.5	160.5	148.2	159.0	140.1	152.3	125.0	128.9	24
28	126.7	129.8	130.7	132.6	133.0	134.3	128.7	133.8	123.1	132.3	117.0	131.4	107.3	125.8	28
32	84.7	86.2	104.7	113.4	106.6	114.5	106.2	114.1	104.5	114.9	97.8	114.5	91.5	112.7	32
36	-	-	86.0	99.3	87.6	100.3	90.8	99.8	88.3	101.6	83.8	100.3	78.8	98.5	36
40	-	-	71.7	86.6	74.3	87.6	74.8	89.8	73.5	88.9	71.1	87.6	68.3	85.8	40
48	-	-	-	-	54.4	70.3	54.8	72.3	53.5	71.4	54.2	70.2	54.1	69.0	48
56	-	-	-	-	41.5	59.7	41.7	59.9	43.4	59.0	42.8	57.7	41.5	57.1	56
64	-	-	-	-	-	-	34.4	50.6	34.7	49.6	33.8	48.4	34.0	48.8	64
72	-	-	-	-	-	-	28.6	42.5	28.1	41.2	28.7	40.9	28.3	41.6	72
80	-	-	-	-	-	-	-	-	23.4	34.2	24.1	35.6	23.6	34.1	80
88	-	-	-	-	-	-	-	-	18.7	18.7	20.4	29.9	19.8	28.4	88
96	-	-	-	-	-	-	-	-	-	-	17.4	25.5	17.3	25.0	96
104	-	-	-	-	-	-	-	-	-	-	14.8	18.0	14.7	22.3	104
112	-	-	-	-	-	-	-	-	-	-	-	-	12.5	14.7	112
120	-	-	-	-	-	-	-	-	-	-	-	-	10.6	13.6	120
1)	46.7	46.7	34.2	34.2	26.2	26.2	20.7	20.7	16.5	16.5	13.0	13.0	10.1	10.1	1)

ft	360° 139.1ft	Max. 139.1ft	360° 153.2ft	Max. 153.2ft	360° 166.3ft	Max. 166.3ft	360° 180.1ft	Max. 180.1ft	360° 194.9ft	Max. 194.9ft	360° 209.0ft	Max. 209.0ft	360° 229.7ft	Max. 229.7ft	ft
24	105.2	105.2	-	-	-	-	-	-	-	-	-	-	-	-	24
28	98.4	102.5	-	-	-	-	-	-	-	-	-	-	-	-	28
32	86.1	97.0	79.0	83.7	-	-	-	-	-	-	-	-	-	-	32
36	75.4	90.5	70.2	80.1	64.4	71.0	-	-	-	-	-	-	-	-	36
40	66.4	83.5	62.7	75.5	60.5	69.3	56.5	59.2	-	-	-	-	-	-	40
48	51.2	65.2	50.7	62.3	48.4	59.3	47.9	55.3	43.9	49.7	40.3	42.2	-	-	48
56	41.6	55.3	41.1	51.6	40.8	48.8	38.2	47.6	35.6	44.9	33.2	41.4	29.9	31.2	56
64	34.0	45.7	34.0	43.6	32.8	42.9	32.2	40.9	30.0	39.1	27.5	36.9	24.8	30.2	64
72	27.9	39.0	27.5	37.6	27.0	36.2	26.6	36.3	24.6	33.0	22.2	30.8	19.7	28.7	72
80	23.4	32.6	22.7	32.5	22.9	32.1	21.8	30.8	20.1	27.7	18.2	26.9	15.8	24.5	80
88	19.8	28.6	18.9	28.1	18.9	28.4	17.8	26.2	16.5	23.6	14.8	23.0	12.5	20.4	88
96	16.5	24.7	15.5	25.0	15.7	24.4	14.6	22.6	13.2	21.0	11.7	19.5	9.6	17.2	96
104	13.8	22.0	12.9	21.8	13.1	20.7	11.8	19.5	10.5	18.6	9.3	16.6	7.3	14.4	104
112	11.6	19.2	10.7	18.8	10.7	17.7	9.6	17.3	8.3	16.2	7.2	14.2	5.2	12.0	112
120	9.8	16.7	8.8	16.2	8.9	15.1	7.8	15.1	6.5	13.8	5.1	12.1	3.6	10.1	120
128	8.1	14.1	7.2	14.0	7.3	13.1	6.2	13.0	5.0	11.8	3.6	10.2	-	8.1	128
136	6.9	13.0	5.8	12.1	6.0	12.1	4.7	11.0	3.6	9.9	-	8.5	-	6.7	136
144	-	-	-	7.8	4.7	10.7	3.6	9.5	2.3	8.2	-	6.9	-	5.4	144
152	-	-	-	-	-	7.2	-	8.0	-	6.9	-	5.6	-	4.0	152
160	-	-	-	-	-	-	-	6.9	-	5.6	-	4.5	-	3.0	160
168	-	-	-	-	-	-	-	-	-	4.6	-	3.5	-	-	168
176	-	-	-	-	-	-	-	-	-	3.7	-	2.6	-	-	176
1)	7.3	7.3	4.9	5.1	3.1	3.7	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

154,800 lb		23.00 ft x 29.10 ft						360° / Max.*						ASME B30.5	
ft	360° 41.7ft	Max. 41.7ft	360° 55.4ft	Max. 55.4ft	360° 69.6ft	Max. 69.6ft	360° 83.3ft	Max. 83.3ft	360° 97.4ft	Max. 97.4ft	360° 111.2ft	Max. 111.2ft	360° 125.3ft	Max. 125.3ft	ft
1,000 lb															
10	286.6	286.6	286.6	286.6	286.6	286.6	263.3	263.3	-	-	-	-	-	-	10
12	282.8	285.9	283.1	286.3	283.1	285.6	262.0	262.0	-	-	-	-	-	-	12
14	263.9	273.8	265.0	274.9	265.0	273.3	257.7	259.5	205.6	205.6	-	-	-	-	14
16	241.3	251.3	242.4	253.2	242.4	252.7	242.2	248.8	202.9	202.9	-	-	-	-	16
18	223.0	233.1	224.4	235.0	224.5	235.0	224.1	232.7	200.2	200.2	159.2	159.2	-	-	18
20	205.9	216.2	207.6	217.8	207.9	217.8	207.0	216.7	197.0	197.0	158.6	158.6	129.8	129.8	20
24	179.0	189.1	180.6	190.6	180.8	190.8	179.9	189.9	181.4	184.7	157.4	157.4	128.9	128.9	24
28	156.2	160.8	159.3	169.0	159.4	169.1	158.4	168.1	159.9	168.5	153.7	154.3	126.9	126.9	28
32	92.7	92.7	141.9	149.0	142.0	149.0	143.4	148.0	142.6	149.4	141.1	145.9	123.8	123.8	32
36	-	-	123.9	132.4	123.9	132.3	125.8	131.7	124.5	132.8	122.7	131.2	116.3	119.8	36
40	-	-	104.6	114.6	107.7	117.1	108.2	119.1	106.7	117.8	108.3	116.0	106.7	114.6	40
48	-	-	-	-	82.5	94.4	82.0	96.2	83.8	94.8	82.5	95.3	80.5	94.9	48
56	-	-	-	-	65.4	72.6	67.6	80.0	66.6	79.5	65.3	80.3	63.5	78.5	56
64	-	-	-	-	-	-	55.5	67.8	54.6	69.2	53.3	68.0	52.1	66.5	64
72	-	-	-	-	-	-	46.7	51.3	45.8	59.3	44.5	58.0	44.6	56.0	72
80	-	-	-	-	-	-	-	-	39.3	50.2	38.0	49.6	39.5	47.6	80
88	-	-	-	-	-	-	-	-	18.7	18.7	34.6	43.1	34.2	41.1	88
96	-	-	-	-	-	-	-	-	-	-	31.1	36.7	29.9	35.9	96
104	-	-	-	-	-	-	-	-	-	-	18.0	18.0	26.4	33.9	104
112	-	-	-	-	-	-	-	-	-	-	-	-	14.7	14.7	112
120	-	-	-	-	-	-	-	-	-	-	-	-	13.6	13.6	120
1)	46.7	46.7	34.2	34.2	26.2	26.2	20.7	20.7	16.5	16.5	13.0	13.0	10.1	10.1	1)

ft	360° 139.1ft	Max. 139.1ft	360° 153.2ft	Max. 153.2ft	360° 166.3ft	Max. 166.3ft	360° 180.1ft	Max. 180.1ft	360° 194.9ft	Max. 194.9ft	360° 209.0ft	Max. 209.0ft	360° 229.7ft	Max. 229.7ft	ft
1,000 lb															
24	105.2	105.2	-	-	-	-	-	-	-	-	-	-	-	-	24
28	102.5	102.5	-	-	-	-	-	-	-	-	-	-	-	-	28
32	97.0	97.0	83.7	83.7	-	-	-	-	-	-	-	-	-	-	32
36	90.5	90.5	80.1	80.1	71.0	71.0	-	-	-	-	-	-	-	-	36
40	84.2	84.2	76.0	76.0	69.6	69.6	59.2	59.2	-	-	-	-	-	-	40
48	73.3	73.3	67.1	67.1	63.1	63.1	56.8	56.8	49.8	49.8	42.2	42.2	-	-	48
56	62.6	64.7	59.1	59.1	56.4	56.4	52.0	52.0	47.9	47.9	41.4	41.4	31.2	31.2	56
64	52.1	57.0	50.5	51.9	49.5	50.1	46.9	46.9	44.4	44.4	39.7	39.7	30.2	30.2	64
72	44.1	50.8	42.3	45.8	42.7	44.7	42.0	42.2	40.4	40.4	37.1	37.1	28.7	28.7	72
80	37.5	45.7	35.9	41.3	36.2	39.7	36.5	37.9	36.4	36.7	34.6	34.6	27.0	27.0	80
88	33.1	41.4	31.9	37.4	31.1	35.6	31.7	34.0	31.7	33.2	31.6	31.9	24.6	24.6	88
96	28.8	37.2	28.7	34.0	28.0	32.1	28.7	30.7	28.3	30.0	27.7	29.0	22.3	22.3	96
104	25.3	32.7	25.7	30.6	25.5	29.2	25.3	27.7	24.9	27.2	24.2	26.3	20.1	20.1	104
112	23.5	28.9	22.8	27.1	23.1	26.8	22.8	25.2	21.9	24.8	21.2	24.1	18.0	18.0	112
120	21.5	25.8	20.7	24.2	21.3	24.2	20.4	23.2	19.3	22.5	18.7	22.0	15.9	15.9	120
128	14.9	18.0	19.3	23.0	19.1	21.4	18.3	21.6	17.2	20.7	16.5	20.3	14.3	14.3	128
136	13.2	13.2	17.6	21.4	17.2	20.1	16.5	20.1	15.4	19.3	14.7	18.7	12.9	12.9	136
144	-	-	12.5	12.8	15.5	19.2	14.8	19.0	13.7	17.9	13.1	17.0	11.7	11.7	144
152	-	-	-	-	13.0	16.9	13.3	17.4	12.2	16.5	12.0	15.7	10.4	10.4	152
160	-	-	-	-	-	-	12.0	15.6	10.9	14.8	10.9	14.0	9.4	9.4	160
168	-	-	-	-	-	-	-	-	9.8	13.4	9.9	12.5	8.6	8.6	168
176	-	-	-	-	-	-	-	-	8.8	11.9	9.0	11.0	7.6	7.6	176
184	-	-	-	-	-	-	-	-	-	-	8.0	9.8	6.8	6.8	184
192	-	-	-	-	-	-	-	-	-	-	-	-	6.0	6.0	192
200	-	-	-	-	-	-	-	-	-	-	-	-	5.0	5.4	200
208	-	-	-	-	-	-	-	-	-	-	-	-	4.2	4.8	208
216	-	-	-	-	-	-	-	-	-	-	-	-	3.4	4.2	216
1)	7.3	7.3	5.1	5.1	3.7	3.7	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

113,800 lb		23.00 ft x 29.10 ft						360° / Max.*						ASME B30.5	
ft	360° 41.7ft	Max. 41.7ft	360° 55.4ft	Max. 55.4ft	360° 69.6ft	Max. 69.6ft	360° 83.3ft	Max. 83.3ft	360° 97.4ft	Max. 97.4ft	360° 111.2ft	Max. 111.2ft	360° 125.3ft	Max. 125.3ft	ft
1,000 lb															
10	286.6	286.6	286.6	286.6	286.6	286.6	263.3	263.3	-	-	-	-	-	-	10
12	281.0	285.9	281.7	286.3	281.7	285.6	262.0	262.0	-	-	-	-	-	-	12
14	259.0	273.8	260.6	274.9	260.6	273.3	255.4	259.5	205.6	205.6	-	-	-	-	14
16	236.9	251.3	238.0	253.2	238.0	252.7	237.8	248.8	202.9	202.9	-	-	-	-	16
18	218.9	233.1	220.2	235.0	220.2	235.0	219.9	232.7	200.2	200.2	159.2	159.2	-	-	18
20	202.2	216.1	203.7	217.7	203.7	217.6	203.0	216.5	196.6	197.0	158.6	158.6	129.8	129.8	20
24	175.6	185.6	177.4	187.5	177.4	187.3	176.5	186.2	177.1	182.9	154.7	157.4	128.9	128.9	24
28	148.0	157.5	150.3	159.9	150.3	159.8	152.1	158.7	149.7	160.5	137.2	152.8	126.3	126.9	28
32	89.5	92.7	120.2	137.5	121.6	137.5	122.9	139.4	121.1	137.9	120.8	136.2	113.6	123.8	32
36	-	-	101.4	120.6	102.6	120.5	102.2	122.5	102.2	120.9	102.8	119.2	97.8	115.7	36
40	-	-	84.0	103.9	85.0	108.0	87.7	107.4	86.6	105.8	85.3	107.8	83.1	106.0	40
48	-	-	-	-	66.0	87.0	66.2	86.5	65.3	87.5	64.0	87.0	64.0	85.2	48
56	-	-	-	-	52.2	68.5	52.4	71.8	51.5	73.2	51.2	71.9	51.5	70.3	56
64	-	-	-	-	-	-	42.7	62.8	41.9	62.0	43.1	60.9	42.1	59.2	64
72	-	-	-	-	-	-	35.6	51.2	36.7	53.5	36.1	52.2	35.0	50.7	72
80	-	-	-	-	-	-	-	-	31.5	46.8	30.8	45.6	30.6	43.9	80
88	-	-	-	-	-	-	-	-	18.7	18.7	26.5	40.3	26.5	38.5	88
96	-	-	-	-	-	-	-	-	-	-	23.3	35.8	23.7	35.7	96
104	-	-	-	-	-	-	-	-	-	-	18.0	18.0	20.8	33.0	104
112	-	-	-	-	-	-	-	-	-	-	-	-	14.7	14.7	112
120	-	-	-	-	-	-	-	-	-	-	-	-	13.6	13.6	120
1)	46.7	46.7	34.2	34.2	26.2	26.2	20.7	20.7	16.5	16.5	13.0	13.0	10.1	10.1	1)

ft	360° 139.1ft	Max. 139.1ft	360° 153.2ft	Max. 153.2ft	360° 166.3ft	Max. 166.3ft	360° 180.1ft	Max. 180.1ft	360° 194.9ft	Max. 194.9ft	360° 209.0ft	Max. 209.0ft	360° 229.7ft	Max. 229.7ft	ft
1,000 lb															
24	105.2	105.2	-	-	-	-	-	-	-	-	-	-	-	-	24
28	102.5	102.5	-	-	-	-	-	-	-	-	-	-	-	-	28
32	97.0	97.0	83.7	83.7	-	-	-	-	-	-	-	-	-	-	32
36	89.6	90.5	80.1	80.1	71.0	71.0	-	-	-	-	-	-	-	-	36
40	81.8	84.2	75.5	76.0	69.4	69.6	59.2	59.2	-	-	-	-	-	-	40
48	62.9	73.3	61.5	67.1	59.5	63.1	56.2	56.8	49.8	49.8	42.2	42.2	-	-	48
56	50.2	64.7	49.7	59.1	48.6	56.4	48.1	52.0	46.5	47.9	41.4	41.4	31.2	31.2	56
64	41.0	57.0	41.2	51.9	41.0	50.1	40.5	46.9	39.9	44.4	38.8	39.7	30.2	30.2	64
72	35.1	50.0	34.5	45.8	35.4	44.7	34.5	42.2	33.4	40.4	32.8	37.1	28.7	28.7	72
80	30.2	44.5	30.2	41.3	30.1	39.7	29.3	37.9	28.2	36.7	27.5	34.6	26.8	27.0	80
88	26.1	39.7	26.7	37.4	25.8	35.6	25.0	34.0	23.9	33.2	24.1	31.9	23.2	24.6	88
96	23.4	35.2	23.2	33.5	22.4	32.1	21.6	30.7	21.0	30.0	20.7	29.0	19.7	22.3	96
104	20.6	31.3	20.4	29.6	19.5	29.2	18.9	27.7	18.6	27.2	17.8	26.3	16.9	20.1	104
112	18.2	28.1	18.0	26.3	17.1	26.7	17.1	25.2	16.4	24.8	15.5	24.1	14.4	18.0	112
120	16.3	25.2	15.9	24.2	15.0	23.8	15.2	23.2	14.3	22.5	13.4	22.0	12.6	15.9	120
128	14.1	17.8	14.1	22.9	13.2	21.3	13.4	21.6	12.6	20.7	11.7	20.3	10.8	14.3	128
136	13.2	13.2	12.6	21.4	12.1	20.1	11.8	20.1	11.1	19.3	10.2	18.7	9.2	12.9	136
144	-	-	9.3	12.8	11.1	19.2	10.6	19.0	9.8	17.9	8.9	17.0	8.0	11.7	144
152	-	-	-	-	8.2	16.9	9.3	17.4	8.5	16.5	7.6	15.7	6.4	10.4	152
160	-	-	-	-	-	8.3	15.6	7.5	14.8	6.5	14.0	5.2	9.4	9.4	160
168	-	-	-	-	-	-	-	6.6	13.4	5.4	12.5	4.2	8.6	8.6	168
176	-	-	-	-	-	-	-	5.6	11.9	4.3	11.0	3.2	7.6	7.6	176
184	-	-	-	-	-	-	-	-	-	3.5	9.8	-	6.8	6.8	184
192	-	-	-	-	-	-	-	-	-	-	-	-	6.0	6.0	192
200	-	-	-	-	-	-	-	-	-	-	-	-	5.4	5.4	200
208	-	-	-	-	-	-	-	-	-	-	-	-	4.8	4.8	208
216	-	-	-	-	-	-	-	-	-	-	-	-	4.2	4.2	216
1)	7.3	7.3	5.1	5.1	3.7	3.7	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

41,200 lb		23.00 ft x 29.10 ft								360° / Max.*				ASME B30.5	
ft	360° 41.7ft	Max. 41.7ft	360° 55.4ft	Max. 55.4ft	360° 69.6ft	Max. 69.6ft	360° 83.3ft	Max. 83.3ft	360° 97.4ft	Max. 97.4ft	360° 111.2ft	Max. 111.2ft	360° 125.3ft	Max. 125.3ft	ft
10	286.3	286.6	286.4	286.6	286.4	286.6	263.3	263.3	-	-	-	-	-	-	10
12	276.3	285.9	277.4	286.3	277.4	285.6	259.2	262.0	-	-	-	-	-	-	12
14	250.7	272.9	252.3	274.5	252.3	272.0	229.7	259.5	197.3	205.6	-	-	-	-	14
16	228.9	243.7	231.1	245.7	215.4	245.3	194.7	243.2	169.5	202.9	-	-	-	-	16
18	200.3	217.7	200.8	219.8	180.5	219.8	165.4	218.6	146.8	200.2	136.7	159.2	-	-	18
20	169.2	193.7	168.3	195.9	156.0	195.9	140.2	194.6	131.7	195.0	118.5	158.6	109.3	129.8	20
24	110.7	156.2	116.5	158.3	116.8	158.3	113.8	160.5	103.7	159.0	96.0	152.3	90.1	128.9	24
28	79.9	129.8	86.5	132.6	89.3	134.3	89.5	133.8	84.3	132.3	79.9	131.4	75.0	124.5	28
32	61.0	86.2	66.9	113.4	69.3	114.5	69.8	114.1	68.9	114.9	69.2	114.5	64.6	107.8	32
36	-	-	54.8	99.3	57.1	100.3	57.5	99.8	59.0	101.6	58.2	100.2	56.0	90.7	36
40	-	-	44.6	86.6	47.2	87.6	49.0	89.8	48.7	88.9	48.3	87.0	48.7	80.4	40
48	-	-	-	-	35.5	69.6	36.4	71.9	35.9	71.0	36.8	65.4	36.4	62.4	48
56	-	-	-	-	27.3	56.4	28.0	56.7	28.5	55.6	28.7	52.6	28.7	52.3	56
64	-	-	-	-	-	-	22.2	44.1	23.1	43.1	22.9	44.0	22.9	42.8	64
72	-	-	-	-	-	-	17.9	35.7	18.8	36.9	18.6	36.3	18.6	34.5	72
80	-	-	-	-	-	-	-	-	15.5	30.9	15.5	30.1	15.5	29.8	80
88	-	-	-	-	-	-	-	-	13.2	18.7	12.9	25.5	12.9	26.0	88
96	-	-	-	-	-	-	-	-	-	-	10.9	22.5	10.7	22.4	96
104	-	-	-	-	-	-	-	-	-	-	9.2	18.0	9.0	19.6	104
112	-	-	-	-	-	-	-	-	-	-	-	-	7.6	14.7	112
120	-	-	-	-	-	-	-	-	-	-	-	-	6.4	13.6	120
1)	46.7	46.7	34.2	34.2	23.1	26.2	16.8	20.7	12.8	16.5	9.3	13.0	6.8	10.1	1)

ft	360° 139.1ft	Max. 139.1ft	360° 153.2ft	Max. 153.2ft	360° 166.3ft	Max. 166.3ft	360° 180.1ft	Max. 180.1ft	360° 194.9ft	Max. 194.9ft	360° 209.0ft	Max. 209.0ft	360° 229.7ft	Max. 229.7ft	ft
24	80.9	105.2	-	-	-	-	-	-	-	-	-	-	-	-	24
28	71.7	102.5	-	-	-	-	-	-	-	-	-	-	-	-	28
32	60.9	97.0	59.2	83.7	-	-	-	-	-	-	-	-	-	-	32
36	54.4	84.1	52.3	75.7	47.5	68.6	-	-	-	-	-	-	-	-	36
40	47.9	73.1	45.5	68.0	44.0	65.9	40.9	58.4	-	-	-	-	-	-	40
48	36.4	58.9	35.5	56.3	34.8	53.7	32.4	49.8	29.3	46.7	25.5	41.8	-	-	48
56	28.1	47.6	27.3	46.1	27.5	44.4	26.0	43.4	23.3	39.7	21.0	37.0	18.5	31.2	56
64	22.3	39.8	21.5	38.6	21.6	38.2	20.7	36.1	18.7	32.8	16.7	31.5	14.4	28.5	64
72	17.9	34.7	17.3	33.6	17.3	33.0	16.4	30.1	15.1	28.8	13.1	26.4	11.1	23.7	72
80	14.8	29.1	14.1	29.6	14.1	28.2	13.2	26.0	12.1	24.6	10.2	22.0	8.3	19.5	80
88	12.3	25.6	11.6	25.3	11.6	23.8	10.7	22.9	9.6	21.3	7.9	18.8	6.1	16.4	88
96	10.3	22.2	9.6	21.8	9.6	20.0	8.7	19.9	7.6	18.0	6.0	16.0	4.1	13.8	96
104	8.6	19.1	7.9	18.9	7.9	17.5	7.0	17.0	5.9	15.3	4.4	13.3	2.6	11.3	104
112	7.0	16.6	6.3	16.2	6.5	15.8	5.4	14.9	4.3	12.9	-	11.1	-	9.2	112
120	5.9	14.7	5.0	13.8	5.2	13.9	4.1	12.8	3.0	11.1	-	9.1	-	7.3	120
128	4.6	12.7	3.9	11.8	4.0	12.0	2.9	10.9	-	9.5	-	7.6	-	5.6	128
136	3.7	11.1	2.8	10.1	2.9	10.3	-	9.2	-	7.9	-	6.4	-	4.4	136
144	-	-	-	6.2	-	8.7	-	7.6	-	6.5	-	5.3	-	3.4	144
152	-	-	-	-	-	6.0	-	6.5	-	5.1	-	4.0	-	-	152
160	-	-	-	-	-	-	-	5.6	-	4.2	-	3.0	-	-	160
168	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	168
176	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	176
1)	4.2	7.3	-	5.1	-	3.7	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

0 lb		23.00 ft x 29.10 ft								360° / Max.*				ASME B30.5	
ft	ft	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
		41.7ft	41.7ft	55.4ft	55.4ft	69.6ft	69.6ft	83.3ft	83.3ft	97.4ft	97.4ft	111.2ft	111.2ft	125.3ft	125.3ft
1,000 lb															
10		285.8	286.6	285.9	286.6	280.4	286.6	237.1	263.3	-	-	-	-	-	-
12		270.8	282.0	257.4	282.7	215.3	282.7	174.2	262.0	-	-	-	-	-	-
14		223.1	256.7	189.3	258.8	159.2	258.8	142.3	252.2	121.0	205.6	-	-	-	-
16		162.1	222.3	143.1	224.6	129.8	224.6	114.7	223.3	102.4	202.9	-	-	-	-
18		123.6	194.7	116.0	197.1	108.3	197.1	96.7	196.0	90.2	184.9	80.7	154.8	-	-
20		91.1	170.0	96.3	172.4	89.5	173.9	83.4	174.5	77.0	162.1	72.1	146.4	64.8	122.8
24		57.3	136.8	65.3	140.4	67.2	141.1	64.3	133.9	61.0	121.7	56.7	106.4	52.0	94.7
28		39.5	113.3	46.2	116.6	50.8	111.5	50.8	105.4	49.1	93.6	45.9	83.4	42.2	76.8
32		28.7	82.3	34.6	94.1	38.7	90.2	39.8	83.0	40.1	72.3	38.0	70.1	35.0	64.4
36		-	-	27.5	76.2	31.2	74.5	32.2	68.8	33.2	62.2	32.0	58.9	29.8	54.5
40		-	-	21.4	61.3	24.9	59.8	25.8	55.7	26.9	55.2	26.7	51.1	25.3	48.6
48		-	-	-	-	17.3	42.0	18.2	43.0	19.0	41.1	19.0	39.7	18.8	38.5
56		-	-	-	-	12.3	32.3	13.1	33.3	14.0	32.3	13.9	32.0	13.8	30.7
64		-	-	-	-	-	-	9.6	25.8	10.4	26.5	10.4	25.7	10.3	25.1
72		-	-	-	-	-	-	7.1	20.4	7.8	21.3	7.8	21.0	7.6	20.2
80		-	-	-	-	-	-	-	-	5.9	17.3	5.7	17.1	5.7	16.5
88		-	-	-	-	-	-	-	-	4.3	14.3	4.0	14.1	3.9	14.0
96		-	-	-	-	-	-	-	-	-	-	-	11.7	-	11.7
104		-	-	-	-	-	-	-	-	-	-	-	9.7	-	9.7
112		-	-	-	-	-	-	-	-	-	-	-	-	-	7.9
120		-	-	-	-	-	-	-	-	-	-	-	-	-	6.5
1)		26.9	46.7	15.2	34.2	9.7	26.2	6.4	19.0	4.0	13.9	-	9.9	-	6.8

ft	ft	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
		139.1ft	139.1ft	153.2ft	153.2ft	166.3ft	166.3ft	180.1ft	180.1ft	194.9ft	194.9ft	209.0ft	209.0ft	229.7ft	229.7ft
1,000 lb															
24		45.6	83.5	-	-	-	-	-	-	-	-	-	-	-	-
28		39.0	71.6	-	-	-	-	-	-	-	-	-	-	-	-
32		32.3	60.4	30.0	56.7	-	-	-	-	-	-	-	-	-	-
36		27.4	52.6	25.4	49.4	24.3	46.1	-	-	-	-	-	-	-	-
40		23.1	45.0	21.3	42.6	20.5	41.1	18.1	37.1	-	-	-	-	-	-
48		17.0	35.2	15.6	33.0	15.1	32.1	13.0	29.5	10.6	25.9	7.0	21.8	-	-
56		12.7	28.6	11.4	26.3	11.0	25.4	9.2	23.2	7.0	20.7	5.1	18.1	-	15.2
64		9.4	23.3	8.3	21.8	7.9	20.7	6.3	18.5	4.2	16.2	-	14.0	-	11.6
72		6.9	19.0	5.8	17.9	5.6	17.1	3.8	14.8	-	12.6	-	10.7	-	8.7
80		4.8	15.8	3.7	14.5	3.5	14.3	-	12.2	-	9.8	-	8.0	-	5.8
88		3.2	12.5	-	11.7	-	11.8	-	9.9	-	7.7	-	5.6	-	3.5
96		-	10.3	-	9.2	-	9.3	-	7.9	-	6.0	-	3.9	-	-
104		-	8.6	-	7.4	-	7.3	-	6.0	-	4.2	-	2.4	-	-
112		-	7.2	-	6.1	-	5.7	-	4.6	-	-	-	-	-	-
120		-	5.6	-	4.8	-	4.4	-	3.2	-	-	-	-	-	-
128		-	4.4	-	3.5	-	3.4	-	-	-	-	-	-	-	-
136		-	3.5	-	2.4	-	2.6	-	-	-	-	-	-	-	-
1)		-	4.0	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

113,800 lb		18.20 ft x 29.10 ft						360° / Max.*						ASME B30.5	
ft	360° 41.7ft	Max. 41.7ft	360° 55.4ft	Max. 55.4ft	360° 69.6ft	Max. 69.6ft	360° 83.3ft	Max. 83.3ft	360° 97.4ft	Max. 97.4ft	360° 111.2ft	Max. 111.2ft	360° 125.3ft	Max. 125.3ft	ft
1,000 lb															
10	-	286.6	-	286.6	-	286.6	-	263.3	-	-	-	-	-	-	10
12	-	285.9	-	286.3	-	285.6	-	262.0	-	-	-	-	-	-	12
14	-	273.8	-	274.9	-	273.3	-	259.5	-	205.6	-	-	-	-	14
16	-	251.3	-	253.2	-	252.7	-	248.8	-	202.9	-	-	-	-	16
18	-	233.1	-	235.0	-	235.0	-	232.7	-	200.2	-	159.2	-	-	18
20	184.7	216.1	186.8	217.7	186.8	217.6	187.6	216.5	170.6	197.0	153.7	158.6	129.6	129.8	20
24	145.4	185.6	148.3	187.5	149.9	187.3	148.8	186.2	138.4	182.9	133.3	157.4	121.8	128.9	24
28	111.1	157.5	115.4	159.9	116.6	159.8	116.2	158.7	118.0	160.5	112.1	152.8	103.1	126.9	28
32	81.1	92.7	92.5	137.5	93.9	137.5	96.5	139.4	95.6	137.9	93.7	136.2	90.2	123.8	32
36	-	-	78.4	120.6	81.2	120.5	81.5	122.5	80.6	120.9	79.1	119.2	77.4	115.7	36
40	-	-	66.5	103.9	68.3	108.0	68.7	107.4	67.6	105.8	67.4	107.8	67.9	106.0	40
48	-	-	-	-	52.2	87.0	52.4	86.5	51.5	87.5	53.2	87.0	51.9	85.2	48
56	-	-	-	-	41.5	68.5	41.6	71.8	43.0	73.2	42.3	71.9	41.7	70.3	56
64	-	-	-	-	-	-	34.7	62.8	35.1	62.0	34.6	60.9	34.5	59.2	64
72	-	-	-	-	-	-	29.7	51.2	29.4	53.5	29.0	52.2	29.4	50.7	72
80	-	-	-	-	-	-	-	-	25.0	46.8	25.6	45.6	25.2	43.9	80
88	-	-	-	-	-	-	-	-	18.7	38.7	22.2	40.3	21.7	38.5	88
96	-	-	-	-	-	-	-	-	-	19.3	35.8	18.9	35.7	96	
104	-	-	-	-	-	-	-	-	-	17.2	18.0	16.6	33.0	104	
112	-	-	-	-	-	-	-	-	-	-	-	-	14.7	112	
120	-	-	-	-	-	-	-	-	-	-	-	-	13.4	120	
1)	46.7	46.7	34.2	34.2	26.2	26.2	20.7	20.7	16.5	16.5	13.0	13.0	10.1	10.1	1)

ft	360° 139.1ft	Max. 139.1ft	360° 153.2ft	Max. 153.2ft	360° 166.3ft	Max. 166.3ft	360° 180.1ft	Max. 180.1ft	360° 194.9ft	Max. 194.9ft	360° 209.0ft	Max. 209.0ft	360° 229.7ft	Max. 229.7ft	ft
1,000 lb															
24	104.8	105.2	-	-	-	-	-	-	-	-	-	-	-	-	24
28	96.2	102.5	-	-	-	-	-	-	-	-	-	-	-	-	28
32	85.4	97.0	78.5	83.7	-	-	-	-	-	-	-	-	-	-	32
36	75.5	90.5	71.1	80.1	65.6	71.0	-	-	-	-	-	-	-	-	36
40	66.5	84.2	64.7	76.0	60.8	69.6	56.8	59.2	-	-	-	-	-	-	40
48	50.7	73.3	51.5	67.1	50.8	63.1	49.1	56.8	46.5	49.8	41.7	42.2	-	-	48
56	41.4	64.7	41.1	59.1	41.5	56.4	40.9	52.0	39.1	47.9	37.4	41.4	31.2	31.2	56
64	34.7	57.0	34.7	51.9	33.8	50.1	33.2	46.9	32.5	44.4	31.6	39.7	29.2	30.2	64
72	29.2	50.0	29.0	45.8	28.1	44.7	28.3	42.2	27.2	40.4	26.4	37.1	25.0	28.7	72
80	24.8	44.5	24.5	41.3	23.8	39.7	23.9	37.9	23.0	36.7	22.1	34.6	21.1	27.0	80
88	21.4	39.7	21.0	37.4	21.0	35.6	20.4	34.0	19.5	33.2	18.6	31.9	17.7	24.6	88
96	18.9	35.2	18.2	33.5	18.2	32.1	17.6	30.7	16.7	30.0	15.8	29.0	14.8	22.3	96
104	16.4	31.3	15.9	29.6	15.9	29.2	15.1	27.7	14.4	27.2	13.5	26.3	12.4	20.1	104
112	14.5	28.0	13.8	25.8	14.0	26.3	13.1	25.2	12.3	24.8	11.4	24.1	10.5	18.0	112
120	12.8	24.8	12.2	24.2	12.2	23.0	11.5	23.2	10.6	22.5	9.8	22.0	8.9	15.9	120
128	11.3	17.4	10.7	22.7	10.7	21.3	10.0	21.6	9.1	20.7	8.3	20.3	7.3	14.3	128
136	10.2	13.2	9.5	20.8	9.5	20.1	8.7	20.1	7.8	19.3	6.9	18.7	5.8	12.9	136
144	-	-	6.2	12.8	8.4	18.8	7.5	18.6	6.7	17.7	5.6	16.8	4.5	11.7	144
152	-	-	-	-	5.2	16.4	6.5	16.5	5.6	15.8	4.5	15.0	3.2	10.4	152
160	-	-	-	-	-	-	5.6	14.7	4.5	14.0	3.4	13.2	-	9.4	160
168	-	-	-	-	-	-	-	-	3.6	12.6	-	11.7	-	8.6	168
176	-	-	-	-	-	-	-	-	2.8	11.2	-	10.3	-	7.6	176
184	-	-	-	-	-	-	-	-	-	-	-	9.2	-	6.8	184
192	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	192
200	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	216
1)	7.3	7.3	5.1	5.1	3.7	3.7	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

41,200 lb		18.20 ft x 29.10 ft								360° / Max.*				ASME B30.5	
ft	360° 41.7ft	Max. 41.7ft	360° 55.4ft	Max. 55.4ft	360° 69.6ft	Max. 69.6ft	360° 83.3ft	Max. 83.3ft	360° 97.4ft	Max. 97.4ft	360° 111.2ft	Max. 111.2ft	360° 125.3ft	Max. 125.3ft	ft
10	284.1	286.6	284.3	286.6	281.1	286.6	238.7	263.3	-	-	-	-	-	-	10
12	253.2	285.9	249.5	286.3	220.9	285.6	192.1	262.0	-	-	-	-	-	-	12
14	221.1	272.9	201.2	274.5	179.4	272.0	157.7	259.5	144.4	205.6	-	-	-	-	14
16	176.6	243.7	165.8	245.7	148.2	245.3	138.1	243.2	123.2	202.9	-	-	-	-	16
18	139.5	217.7	138.3	219.8	128.3	219.8	120.1	218.6	107.8	200.2	100.0	159.2	-	-	18
20	107.6	193.7	113.6	195.9	112.7	195.9	104.2	194.6	96.3	195.0	90.5	158.6	81.6	129.8	20
24	74.9	156.2	81.5	158.3	84.3	158.3	82.2	160.5	79.6	159.0	73.8	151.5	68.8	128.9	24
28	55.7	129.8	61.5	132.6	63.9	134.3	65.1	133.8	65.1	132.3	61.4	130.8	59.4	118.5	28
32	43.2	86.2	48.4	113.4	51.3	114.5	53.1	114.1	52.7	114.9	52.9	109.8	50.6	97.4	32
36	-	-	40.0	99.3	43.3	100.3	44.3	99.8	44.4	99.9	44.9	92.1	43.6	83.6	36
40	-	-	32.7	86.1	35.8	87.2	36.7	89.4	37.8	85.0	37.6	78.6	37.6	73.5	40
48	-	-	-	-	26.6	67.4	27.3	67.4	28.2	65.0	28.1	60.1	28.1	58.9	48
56	-	-	-	-	20.2	51.1	21.0	51.4	21.9	49.4	21.7	48.7	21.7	47.4	56
64	-	-	-	-	-	-	16.5	39.9	17.3	40.6	17.1	40.5	17.1	37.9	64
72	-	-	-	-	-	-	13.3	32.9	14.0	33.5	13.7	32.8	13.7	32.3	72
80	-	-	-	-	-	-	-	-	11.3	27.8	11.1	27.3	11.1	27.7	80
88	-	-	-	-	-	-	-	-	9.4	18.7	9.2	23.8	9.1	23.5	88
96	-	-	-	-	-	-	-	-	-	7.5	20.8	7.5	20.4	96	
104	-	-	-	-	-	-	-	-	-	6.1	18.0	6.1	17.7	104	
112	-	-	-	-	-	-	-	-	-	-	-	-	4.8	14.7	112
120	-	-	-	-	-	-	-	-	-	-	-	-	3.7	13.6	120
1)	41.0	46.7	24.9	34.2	17.2	26.2	12.1	20.7	9.0	16.5	6.4	13.0	4.0	10.1	1)

ft	360° 139.1ft	Max. 139.1ft	360° 153.2ft	Max. 153.2ft	360° 166.3ft	Max. 166.3ft	360° 180.1ft	Max. 180.1ft	360° 194.9ft	Max. 194.9ft	360° 209.0ft	Max. 209.0ft	360° 229.7ft	Max. 229.7ft	ft
24	64.1	105.2	-	-	-	-	-	-	-	-	-	-	-	-	24
28	55.5	102.5	-	-	-	-	-	-	-	-	-	-	-	-	28
32	47.4	90.0	44.8	82.0	-	-	-	-	-	-	-	-	-	-	32
36	41.4	77.6	39.1	72.1	37.7	65.6	-	-	-	-	-	-	-	-	36
40	35.8	69.1	34.0	66.5	32.9	60.7	30.3	56.6	-	-	-	-	-	-	40
48	27.4	55.2	26.5	52.5	25.8	50.1	23.5	48.6	20.9	45.1	17.4	40.8	-	-	48
56	21.0	44.9	20.4	42.8	20.4	42.4	18.5	39.7	16.3	36.1	14.1	34.1	11.8	30.5	56
64	16.5	37.7	15.8	37.1	16.0	35.2	14.6	32.7	12.6	31.5	10.6	28.5	8.5	25.9	64
72	13.1	31.4	12.4	31.7	12.6	29.7	11.5	28.5	9.5	25.9	7.8	23.7	5.8	21.2	72
80	10.7	27.5	10.0	26.2	10.0	24.9	9.1	24.5	7.2	22.0	5.6	19.5	3.7	17.3	80
88	8.6	23.0	8.0	22.7	8.0	21.3	7.1	20.6	5.3	18.8	3.6	16.5	-	14.0	88
96	6.9	19.8	6.2	19.1	6.2	19.0	5.3	17.4	3.6	15.7	-	13.8	-	11.8	96
104	5.5	17.5	4.6	16.1	4.8	16.2	3.7	15.1	-	13.1	-	11.3	-	9.3	104
112	4.1	15.1	3.2	14.2	3.2	13.6	-	12.4	-	11.1	-	9.2	-	7.2	112
120	2.9	13.0	-	12.1	-	12.1	-	10.4	-	9.3	-	7.6	-	5.6	120
128	-	11.2	-	10.2	-	10.4	-	8.9	-	7.5	-	6.3	-	4.4	128
136	-	9.6	-	8.7	-	8.7	-	7.6	-	6.0	-	4.8	-	3.2	136
144	-	-	-	4.7	-	7.3	-	6.2	-	4.9	-	3.6	-	-	144
152	-	-	-	-	-	4.9	-	5.1	-	3.9	-	-	-	-	152
160	-	-	-	-	-	-	-	4.2	-	3.1	-	-	-	-	160
1)	-	7.3	-	5.1	-	3.7	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

0 lb		18.20 ft x 29.10 ft										360° / Max.*				ASME B30.5	
ft	ft	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	ft	
		41.7ft	41.7ft	55.4ft	55.4ft	69.6ft	69.6ft	83.3ft	83.3ft	97.4ft	97.4ft	111.2ft	111.2ft	125.3ft	125.3ft		
1,000 lb																	
10		250.4	286.6	199.6	286.6	166.0	286.6	139.8	263.3	-	-	-	-	-	-	10	
12		165.5	282.0	142.1	282.7	126.6	282.7	109.2	262.0	-	-	-	-	-	-	12	
14		119.7	256.7	111.7	258.8	100.2	258.8	91.4	252.2	83.3	205.6	-	-	-	-	14	
16		91.0	222.3	88.9	224.6	82.9	224.6	76.2	223.3	70.9	202.9	-	-	-	-	16	
18		70.7	194.7	74.1	197.1	70.9	197.1	65.5	195.6	61.6	172.4	56.4	145.7	-	-	18	
20		52.9	170.0	60.9	172.4	60.1	173.6	56.3	171.6	53.3	145.1	49.2	128.3	44.0	112.9	20	
24		34.7	136.8	41.5	139.5	45.5	132.8	43.8	121.2	42.0	107.4	38.9	94.8	35.5	88.3	24	
28		24.1	108.1	29.9	106.8	34.0	98.9	34.7	91.3	33.8	81.3	31.6	76.2	28.8	70.1	28	
32		17.3	80.1	22.5	84.3	26.1	78.4	27.2	72.3	27.6	67.3	25.9	62.9	23.9	58.3	32	
36		-	-	17.6	66.1	21.0	62.9	22.0	59.5	22.8	57.4	21.8	52.5	20.1	50.3	36	
40		-	-	13.5	52.2	16.7	52.0	17.6	50.3	18.5	48.1	18.1	46.6	16.8	43.2	40	
48		-	-	-	-	11.2	37.8	12.0	37.6	13.0	36.1	12.8	36.2	12.0	34.3	48	
56		-	-	-	-	7.5	28.7	8.3	28.7	9.2	28.9	8.9	28.1	8.6	27.5	56	
64		-	-	-	-	-	-	5.6	22.8	6.4	23.2	6.2	22.7	6.0	22.0	64	
72		-	-	-	-	-	-	3.4	18.0	4.2	18.6	4.0	18.2	4.0	17.5	72	
80		-	-	-	-	-	-	-	-	-	15.2	-	14.7	-	14.7	80	
88		-	-	-	-	-	-	-	-	-	12.4	-	12.2	-	11.8	88	
96		-	-	-	-	-	-	-	-	-	-	-	10.1	-	9.5	96	
104		-	-	-	-	-	-	-	-	-	-	-	8.4	-	7.8	104	
112		-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	112	
120		-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	120	
1)		16.1	46.7	9.0	34.2	5.5	23.8	2.6	16.5	-	12.1	-	8.6	-	5.5	1)	

ft	ft	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	ft
		139.1ft	139.1ft	153.2ft	153.2ft	166.3ft	166.3ft	180.1ft	180.1ft	194.9ft	194.9ft	209.0ft	209.0ft	229.7ft	229.7ft	
1,000 lb																
24		30.5	75.0	-	-	-	-	-	-	-	-	-	-	-	-	24
28		26.3	65.2	-	-	-	-	-	-	-	-	-	-	-	-	28
32		21.6	55.6	19.8	51.5	-	-	-	-	-	-	-	-	-	-	32
36		18.1	47.0	16.5	44.3	15.7	42.5	-	-	-	-	-	-	-	-	36
40		15.1	40.9	13.5	38.5	12.9	36.8	10.9	34.0	-	-	-	-	-	-	40
48		10.5	31.4	9.2	29.9	8.8	29.1	6.9	26.1	-	23.4	-	19.6	-	-	48
56		7.2	25.4	6.0	23.4	5.7	22.8	4.0	20.7	-	18.0	-	15.6	-	13.3	56
64		4.7	20.5	3.5	19.2	3.3	18.3	-	16.2	-	14.2	-	12.1	-	9.5	64
72		2.7	16.6	-	15.3	-	15.1	-	12.8	-	10.9	-	8.9	-	6.9	72
80		-	13.2	-	12.3	-	12.1	-	10.4	-	8.2	-	6.2	-	4.1	80
88		-	10.8	-	9.6	-	9.6	-	8.1	-	6.3	-	4.3	-	-	88
96		-	8.8	-	7.8	-	7.5	-	6.1	-	4.3	-	-	-	-	96
104		-	6.8	-	6.0	-	5.9	-	4.4	-	2.6	-	-	-	-	104
112		-	5.2	-	4.3	-	4.6	-	3.0	-	-	-	-	-	-	112
120		-	4.2	-	3.1	-	3.2	-	-	-	-	-	-	-	-	120
128		-	3.2	-	-	-	-	-	-	-	-	-	-	-	-	128
136		-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	136
1)		-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

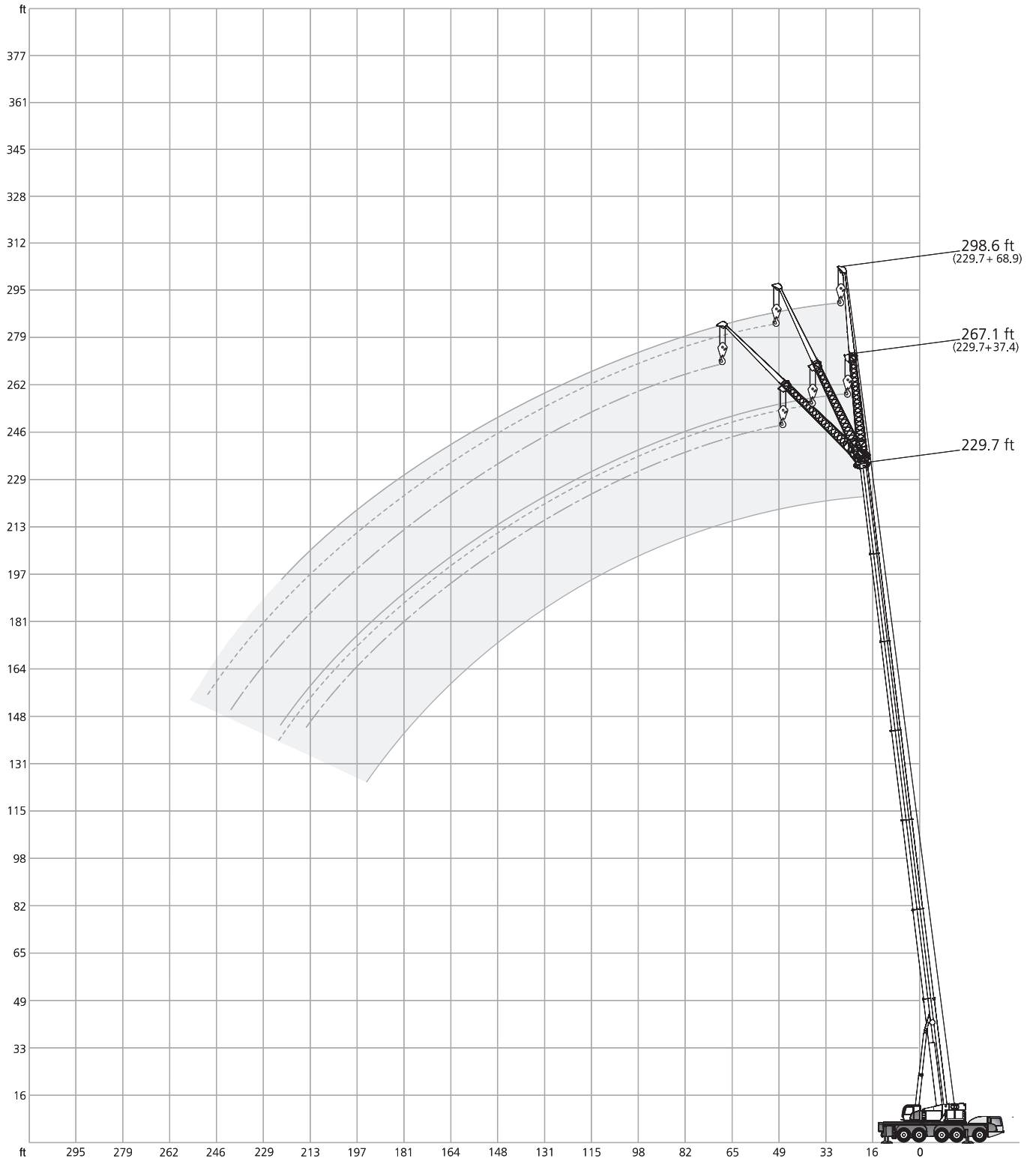
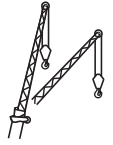
0 lb		9.00 ft x 29.10 ft										360° / Max.*				ASME B30.5	
ft	360° 41.7ft	Max. 41.7ft	360° 55.4ft	Max. 55.4ft	360° 69.6ft	Max. 69.6ft	360° 83.3ft	Max. 83.3ft	360° 97.4ft	Max. 97.4ft	360° 111.2ft	Max. 111.2ft	360° 125.3ft	Max. 125.3ft	ft		
1,000 lb																	
10	53.5	286.6	53.5	286.6	51.0	155.7	46.7	99.8	-	-	-	-	-	-	10		
12	39.9	282.0	42.4	282.7	41.5	157.1	38.6	101.2	-	-	-	-	-	-	12		
14	29.6	256.7	34.1	258.8	34.6	159.2	32.4	101.0	30.5	73.5	-	-	-	-	14		
16	21.9	222.3	27.6	224.6	29.0	164.3	27.4	102.4	26.0	74.4	-	-	-	-	16		
18	16.8	194.7	22.5	197.1	24.8	170.6	23.6	104.5	22.5	73.9	20.6	56.6	-	-	18		
20	12.3	170.0	17.8	171.2	20.9	171.2	20.1	106.7	19.2	74.9	17.7	57.2	14.9	43.5	20		
24	6.1	131.6	11.8	125.5	15.1	114.0	15.0	104.1	14.7	77.2	13.4	58.5	11.8	44.6	24		
28	-	88.2	7.5	89.7	10.8	86.8	11.2	80.6	11.3	74.1	10.1	58.5	9.0	45.5	28		
32	-	60.1	4.0	66.5	7.8	66.8	8.3	62.5	8.5	61.6	7.5	55.3	6.6	46.5	32		
36	-	-	-	51.6	5.3	53.1	6.1	52.6	6.4	50.8	5.6	48.7	4.8	43.7	36		
40	-	-	-	39.6	-	43.7	-	44.2	4.6	42.7	-	42.1	-	39.8	40		
48	-	-	-	-	-	30.8	-	31.9	-	32.1	-	31.9	-	30.8	48		
56	-	-	-	-	-	23.4	-	24.1	-	24.7	-	24.5	-	24.1	56		
64	-	-	-	-	-	-	-	18.8	-	19.5	-	19.1	-	18.9	64		
72	-	-	-	-	-	-	-	14.6	-	15.3	-	15.1	-	14.9	72		
80	-	-	-	-	-	-	-	-	-	12.4	-	11.9	-	11.9	80		
88	-	-	-	-	-	-	-	-	-	9.9	-	9.6	-	9.4	88		
96	-	-	-	-	-	-	-	-	-	-	-	7.6	-	7.4	96		
104	-	-	-	-	-	-	-	-	-	-	-	5.9	-	5.9	104		
112	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	112		
120	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	120		
1)	-	46.7	-	30.2	-	20.1	-	13.9	-	9.7	-	6.2	-	3.5	1)		

ft	360° 139.1ft	Max. 139.1ft	360° 153.2ft	Max. 153.2ft	360° 166.3ft	Max. 166.3ft	360° 180.1ft	Max. 180.1ft	360° 194.9ft	Max. 194.9ft	360° 209.0ft	Max. 209.0ft	360° 229.7ft	Max. 229.7ft	ft
1,000 lb															
24	-	33.6	-	-	-	-	-	-	-	-	-	-	-	-	24
28	-	35.7	-	-	-	-	-	-	-	-	-	-	-	-	28
32	-	36.4	-	29.0	-	-	-	-	-	-	-	-	-	-	32
36	-	37.2	-	29.5	-	24.6	-	-	-	-	-	-	-	-	36
40	-	37.2	-	29.9	-	25.0	-	19.4	-	-	-	-	-	-	40
48	-	28.7	-	27.1	-	24.7	-	20.1	-	14.2	-	9.2	-	-	48
56	-	22.6	-	21.1	-	20.7	-	18.5	-	14.7	-	10.3	-	6.1	56
64	-	17.8	-	16.7	-	16.2	-	14.4	-	12.4	-	9.9	-	6.5	64
72	-	14.2	-	13.1	-	12.9	-	11.1	-	9.3	-	7.3	-	5.1	72
80	-	11.0	-	10.2	-	10.2	-	8.4	-	6.7	-	4.7	-	-	80
88	-	8.5	-	7.7	-	7.7	-	6.3	-	4.4	-	-	-	-	88
96	-	6.5	-	5.6	-	5.6	-	4.5	-	2.7	-	-	-	-	96
104	-	4.8	-	4.1	-	4.1	-	2.8	-	-	-	-	-	-	104
112	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	112
1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

A large rectangular area with horizontal lines, intended for taking notes.



154,800 lb		27.60 ft x 29.10 ft						360°			ASME B30.5				
41.7 ft		37.4 ft			68.9 ft			125.3 ft		37.4 ft			68.9 ft		
ft	0°	20°	40°	0°	20°	40°	ft	0°	20°	40°	0°	20°	40°		
	1,000 lb														
10	41.2	-	-	-	-	-	28	41.2	-	-	-	-	-		
12	41.2	-	-	23.3	-	-	32	41.2	-	-	19.0	-	-		
14	41.2	-	-	23.0	-	-	36	41.2	-	-	18.6	-	-		
16	41.2	-	-	22.8	-	-	40	41.2	30.7	-	18.3	-	-		
18	41.2	-	-	22.4	-	-	48	40.9	28.6	21.8	17.6	-	-		
20	41.2	35.0	-	22.0	-	-	56	38.8	26.9	21.0	17.0	13.1	-		
24	41.2	32.2	-	21.4	-	-	64	35.3	25.4	20.4	16.3	12.3	-		
28	39.8	29.9	-	20.5	-	-	72	32.3	24.1	19.9	15.7	11.7	-		
32	36.3	27.8	22.7	19.4	-	-	80	29.9	22.8	19.3	15.0	11.2	9.0		
36	33.1	26.1	21.7	18.2	-	-	88	27.8	21.8	18.9	14.1	10.6	8.7		
40	30.3	24.5	20.8	17.0	13.6	-	96	25.9	20.8	18.5	13.3	10.2	8.6		
48	26.1	21.9	19.3	14.9	12.3	-	104	24.2	20.1	18.3	12.4	9.8	8.4		
56	22.6	20.0	18.6	13.2	11.2	-	112	22.9	19.4	18.3	11.6	9.5	8.2		
64	20.1	18.9	-	11.9	10.3	9.1	120	21.6	18.8	18.3	10.9	9.1	8.1		
72	-	-	-	10.6	9.5	8.6	128	20.5	18.4	18.1	10.4	8.7	7.9		
80	-	-	-	9.8	9.0	8.3	136	19.7	18.3	9.4	10.0	8.4	7.9		
88	-	-	-	9.1	8.5	8.2	144	19.0	18.3	-	9.5	8.4	7.9		
96	-	-	-	8.5	8.2	-	152	7.9	7.9	-	9.0	8.2	7.9		
							160	-	-	-	8.7	8.2	6.7		
							168	-	-	-	8.5	8.2	-		
							176	-	-	-	8.4	8.2	-		
							184	-	-	-	5.2	-	-		

166.3 ft		37.4 ft			68.9 ft		
ft	0°	20°	40°	0°	20°	40°	
	1,000 lb						
40	39.2	-	-	16.5	-	-	
48	38.2	-	-	16.0	-	-	
56	36.9	27.3	-	15.6	-	-	
64	35.2	26.0	20.6	15.3	-	-	
72	33.1	24.7	20.1	14.8	12.1	-	
80	31.5	23.6	19.5	14.3	11.6	-	
88	29.7	22.7	19.1	13.9	11.1	8.9	
96	28.0	21.8	18.8	13.5	10.7	8.7	
104	26.2	21.0	18.4	13.1	10.2	8.6	
112	24.3	20.3	18.1	12.8	9.9	8.4	
120	22.3	19.7	18.0	12.2	9.6	8.2	
128	20.3	19.2	17.7	11.7	9.4	8.2	
136	18.3	18.5	17.3	11.1	9.1	8.0	
144	16.8	17.0	16.4	10.6	8.8	7.9	
152	15.5	15.7	15.3	10.3	8.6	7.9	
160	14.4	14.4	14.4	9.8	8.4	7.9	
168	13.3	13.4	-	9.5	8.2	7.9	
176	12.1	12.5	-	9.1	8.2	7.9	
184	10.9	11.2	-	8.8	8.0	7.9	
192	-	-	-	8.6	7.9	-	
200	-	-	-	8.4	7.9	-	
208	-	-	-	8.0	7.9	-	
216	-	-	-	7.3	7.7	-	

229.7 ft		37.4 ft			68.9 ft		
ft	0°	20°	40°	0°	20°*	40°*	
	1,000 lb						
72	18.5	-	-	10.8	-	-	
80	18.4	-	-	10.8	-	-	
88	18.0	17.6	-	10.6	-	-	
96	17.4	16.8	16.3	10.6	-	-	
104	16.6	16.0	15.5	10.4	10.2	-	
112	16.0	15.2	14.7	10.3	9.9	8.2	
120	14.9	14.4	14.2	10.1	9.6	8.2	
128	13.6	13.7	13.6	10.0	9.4	8.0	
136	12.2	12.4	12.6	9.8	9.1	7.9	
144	10.9	11.3	11.5	9.3	8.8	7.9	
152	9.8	10.2	10.4	8.7	8.7	7.7	
160	8.8	9.2	9.4	8.2	8.3	7.7	
168	7.9	8.4	8.4	7.7	8.0	7.6	
176	7.0	7.4	7.4	7.1	7.8	7.5	
184	6.1	6.6	6.6	6.4	7.3	7.2	
192	5.4	5.8	5.8	5.6	6.7	6.7	
200	4.7	5.0	5.0	4.8	6.2	6.3	
208	4.1	4.2	4.2	4.1	5.6	5.9	
216	3.6	3.6	3.6	3.6	5.1	5.3	
224	3.0	3.0	-	3.0	4.7	4.8	
232	-	-	-	-	4.3	4.3	
240	-	-	-	-	3.9	3.9	
248	-	-	-	-	3.5	-	





 * 225.7 ft





113,800 lb		27.60 ft x 29.10 ft		360°		ASME B30.5							
41.7 ft		37.4 ft		68.9 ft		125.3 ft							
ft	0°	20°	40°	0°	20°	40°	ft						
1,000 lb				1,000 lb									
10	41.2	-	-	-	-	-	28	41.2	-	-	-	-	-
12	41.2	-	-	23.3	-	-	32	41.2	-	-	19.0	-	-
14	41.2	-	-	23.0	-	-	36	41.2	-	-	18.6	-	-
16	41.2	-	-	22.8	-	-	40	41.2	30.7	-	18.3	-	-
18	41.2	-	-	22.4	-	-	48	40.9	28.6	21.8	17.6	-	-
20	41.2	35.0	-	22.0	-	-	56	38.8	26.9	21.0	17.0	13.1	-
24	41.2	32.2	-	21.4	-	-	64	35.3	25.4	20.4	16.3	12.3	-
28	39.8	29.9	-	20.5	-	-	72	32.3	24.1	19.9	15.7	11.7	-
32	36.3	27.8	22.7	19.4	-	-	80	29.9	22.8	19.3	15.0	11.2	9.0
36	33.1	26.1	21.7	18.2	-	-	88	27.8	21.8	18.9	14.1	10.6	8.7
40	30.3	24.5	20.8	17.0	13.6	-	96	25.9	20.8	18.5	13.3	10.2	8.6
48	26.1	21.9	19.3	14.9	12.3	-	104	24.2	20.1	18.3	12.4	9.8	8.4
56	22.6	20.0	18.6	13.2	11.2	-	112	22.9	19.4	18.3	11.6	9.5	8.2
64	20.1	18.9	-	11.9	10.3	9.1	120	21.5	18.8	18.3	10.9	9.1	8.1
72	-	-	-	10.6	9.5	8.6	128	19.9	18.4	18.1	10.4	8.7	7.9
80	-	-	-	9.8	9.0	8.3	136	17.7	17.9	9.4	10.0	8.4	7.9
88	-	-	-	9.1	8.5	8.2	144	15.7	16.2	-	9.5	8.4	7.9
96	-	-	-	8.5	8.2	-	152	7.9	7.9	-	9.0	8.2	7.9
							160	-	-	-	8.7	8.2	6.7
							168	-	-	-	8.5	8.2	-
							176	-	-	-	8.4	8.2	-
							184	-	-	-	5.2	-	-





166.3 ft		37.4 ft		68.9 ft		
ft	0°	20°	40°	0°	20°	40°
1,000 lb				1,000 lb		
40	39.2	-	-	16.5	-	-
48	38.2	-	-	16.0	-	-
56	36.9	27.3	-	15.6	-	-
64	35.2	26.0	20.6	15.3	-	-
72	33.1	24.7	20.1	14.8	12.1	-
80	31.5	23.6	19.5	14.3	11.6	-
88	29.7	22.7	19.1	13.9	11.1	8.9
96	28.0	21.8	18.8	13.5	10.7	8.7
104	24.9	21.0	18.4	13.1	10.2	8.6
112	22.7	20.3	18.1	12.8	9.9	8.4
120	19.6	19.4	18.0	12.2	9.6	8.2
128	17.4	18.1	17.7	11.7	9.4	8.2
136	16.0	16.1	16.5	11.1	9.1	8.0
144	14.6	14.8	15.0	10.6	8.8	7.9
152	13.1	13.7	13.9	10.3	8.6	7.9
160	12.2	12.1	12.4	9.8	8.4	7.9
168	11.4	11.4	-	9.3	8.2	7.9
176	10.3	10.7	-	9.1	8.2	7.9
184	9.2	8.2	-	8.3	8.0	7.9
192	-	-	-	7.9	7.7	-
200	-	-	-	7.4	7.4	-
208	-	-	-	6.8	6.9	-
216	-	-	-	6.0	6.2	-





229.7 ft		37.4 ft		68.9 ft		
ft	0°	20°	40°	0°	20°*	40°*
1,000 lb				1,000 lb		
72	18.5	-	-	10.8	-	-
80	18.4	-	-	10.8	-	-
88	18.0	17.6	-	10.6	-	-
96	17.4	16.8	16.3	10.6	-	-
104	16.6	16.0	15.5	10.4	10.2	-
112	16.0	15.2	14.7	10.3	9.9	8.2
120	14.9	14.4	14.2	10.1	9.6	8.2
128	13.6	13.7	13.6	10.0	9.4	8.0
136	12.2	12.4	12.6	9.8	9.1	7.9
144	10.9	11.3	11.5	9.3	8.8	7.9
152	9.8	10.2	10.4	8.7	8.7	7.7
160	8.7	9.2	9.4	8.2	8.3	7.7
168	7.5	8.2	8.4	7.5	8.0	7.6
176	6.1	7.0	7.4	6.5	7.8	7.5
184	5.0	5.8	6.2	5.4	6.9	7.2
192	4.0	4.6	5.1	4.2	6.0	6.7
200	3.0	3.7	4.0	3.3	5.0	5.9
208	-	-	-	-	4.1	4.9
216	-	-	-	-	3.1	3.8

 * 225.7 ft

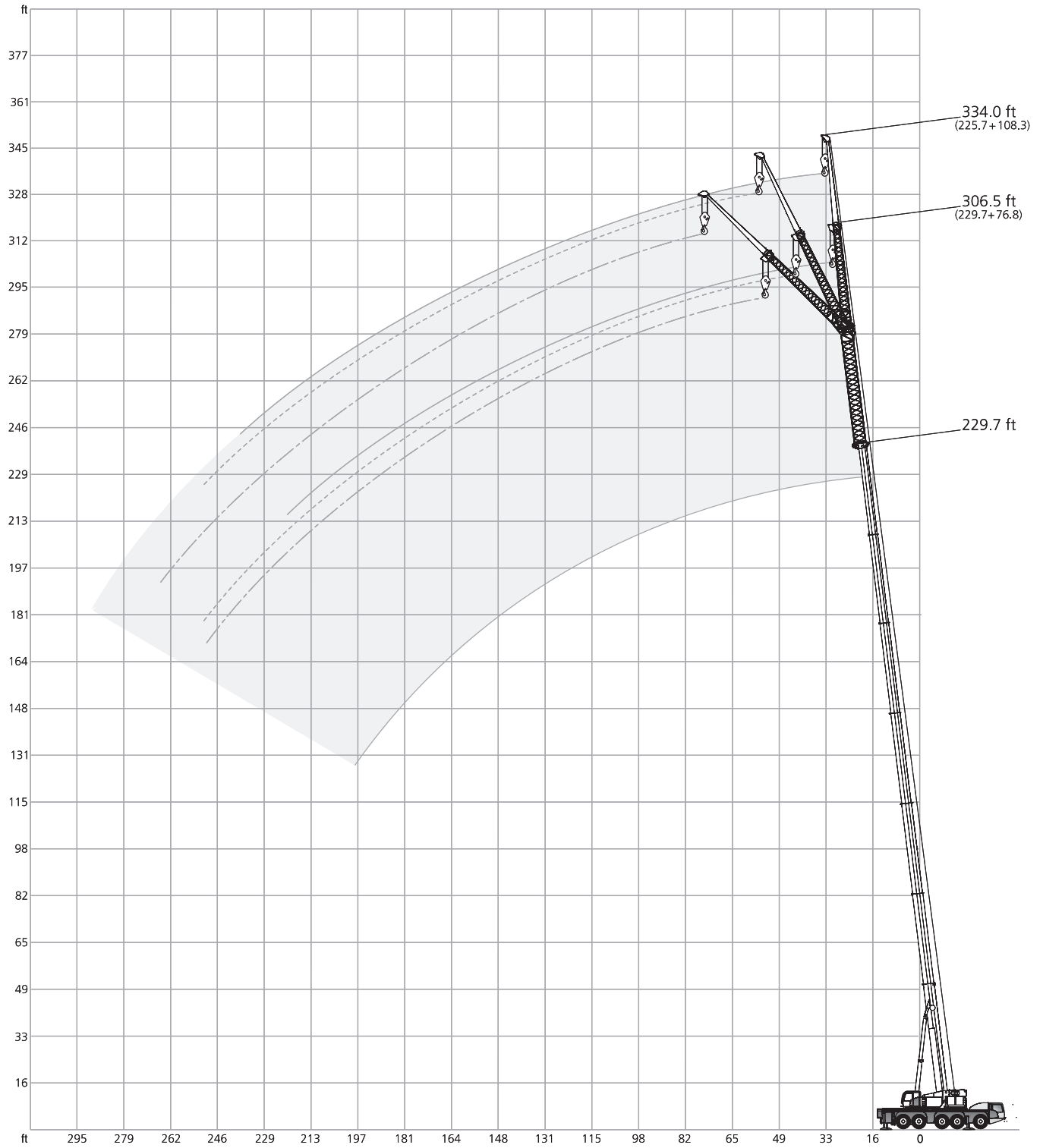
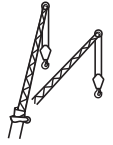
41,200 lb		27.60 ft x 29.10 ft		360°		ASME B30.5	
 41.7 ft							
  37.4 ft							
 68.9 ft							
ft	0°	20°	40°	0°	20°	40°	1,000 lb
10	41.2	-	-	-	-	-	-
12	41.2	-	-	23.3	-	-	-
14	41.2	-	-	23.0	-	-	-
16	41.2	-	-	22.8	-	-	-
18	41.2	-	-	22.4	-	-	-
20	41.2	35.0	-	22.0	-	-	-
24	41.2	32.2	-	21.4	-	-	-
28	39.8	29.9	-	20.5	-	-	-
32	36.3	27.8	22.7	19.4	-	-	-
36	33.1	26.1	21.7	18.2	-	-	-
40	30.3	24.5	20.8	17.0	13.6	-	-
48	26.1	21.9	19.3	14.9	12.3	-	-
56	22.6	20.0	18.6	13.2	11.2	-	-
64	20.1	18.9	-	11.9	10.3	9.1	-
72	-	-	-	10.6	9.5	8.6	-
80	-	-	-	9.8	9.0	8.3	-
88	-	-	-	9.1	8.5	8.2	-
96	-	-	-	8.5	8.2	-	-

 125.3 ft							
  37.4 ft							
 68.9 ft							
ft	0°	20°	40°	0°	20°	40°	1,000 lb
28	41.2	-	-	-	-	-	-
32	41.2	-	-	19.0	-	-	-
36	41.2	-	-	18.6	-	-	-
40	41.2	30.7	-	18.3	-	-	-
48	40.9	28.6	21.8	17.6	-	-	-
56	38.2	26.9	21.0	17.0	13.1	-	-
64	33.3	25.4	20.4	16.3	12.3	-	-
72	27.5	24.1	19.9	15.7	11.7	-	-
80	23.4	22.3	19.3	15.0	11.2	9.0	-
88	19.8	20.3	18.8	14.1	10.6	8.7	-
96	16.9	17.9	17.9	13.3	10.2	8.6	-
104	15.2	15.1	15.8	12.2	9.8	8.4	-
112	12.9	14.0	13.8	11.4	9.5	8.2	-
120	11.1	11.9	12.3	10.7	9.0	8.1	-
128	9.5	10.1	10.2	9.9	8.7	7.9	-
136	8.0	8.5	8.7	8.5	8.4	7.9	-
144	6.9	7.1	-	7.3	8.4	7.9	-
152	5.6	6.0	-	6.2	7.1	7.8	-
160	-	-	-	5.3	6.1	6.5	-
168	-	-	-	4.5	5.0	-	-
176	-	-	-	3.6	4.1	-	-
184	-	-	-	2.7	-	-	-

 166.3 ft							
  37.4 ft							
 68.9 ft							
ft	0°	20°	40°	0°	20°	40°	1,000 lb
40	39.2	-	-	16.5	-	-	-
48	37.4	-	-	16.0	-	-	-
56	34.6	27.3	-	15.6	-	-	-
64	29.5	26.0	20.6	15.3	-	-	-
72	25.0	24.3	20.1	14.8	12.1	-	-
80	21.9	22.3	19.5	14.2	11.6	-	-
88	18.4	19.3	18.9	13.6	11.1	8.9	-
96	16.1	16.7	17.3	12.9	10.7	8.7	-
104	13.3	14.7	14.9	12.0	10.2	8.6	-
112	11.1	12.4	13.3	10.9	9.7	8.4	-
120	9.1	10.4	11.2	9.3	9.4	8.2	-
128	7.5	8.6	9.1	7.8	8.9	8.0	-
136	6.0	7.0	7.6	6.5	8.2	7.9	-
144	4.9	5.6	6.0	5.1	6.7	7.9	-
152	3.6	4.4	4.7	4.0	5.6	6.7	-
160	2.7	3.3	3.6	3.1	4.3	5.3	-
168	-	-	-	-	3.3	4.1	-
176	-	-	-	-	2.3	3.0	-

 229.7 ft							
  37.4 ft							
 68.9 ft							
ft	0°	20°	40°	0°	20°*	40°*	1,000 lb
72	18.1	-	-	10.8	-	-	-
80	14.0	-	-	10.7	-	-	-
88	10.7	13.5	-	9.5	-	-	-
96	8.0	10.5	12.7	6.9	-	-	-
104	5.8	8.0	10.0	4.9	9.1	-	-
112	3.9	5.8	7.6	-	6.9	8.2	-
120	-	4.0	5.6	-	5.1	7.8	-
128	-	-	4.0	-	3.6	6.4	-
136	-	-	-	-	-	4.8	-
144	-	-	-	-	-	3.4	-

 *225.7 ft



154,800 lb		27.60 ft x 29.10 ft		360°			ASME B30.5			
41.7 ft		76.8 ft			108.3 ft			125.3 ft		
ft	0°	20°	40°	0°	20°	40°	ft	0°	20°	40°
	1,000 lb			1,000 lb				1,000 lb		
16	40.7	-	-	-	-	-	40	27.6	-	-
18	39.0	-	-	-	-	-	48	25.5	-	-
20	37.0	-	-	18.3	-	-	56	23.4	20.1	-
24	33.6	-	-	17.9	-	-	64	21.5	18.6	16.8
28	30.5	-	-	17.5	-	-	72	19.9	17.4	15.9
32	28.0	24.9	-	17.3	-	-	80	18.5	16.4	15.1
36	25.9	23.2	-	16.9	-	-	88	17.2	15.4	14.3
40	24.0	21.6	19.9	16.4	-	-	96	16.0	14.4	13.6
48	20.5	19.0	17.8	15.0	13.2	-	104	14.9	13.7	12.9
56	18.0	16.8	16.0	13.6	12.3	-	112	14.1	13.0	12.3
64	16.0	15.1	14.6	12.4	11.4	-	120	13.3	12.4	11.7
72	14.4	13.7	13.3	11.3	10.6	9.1	128	12.7	11.9	11.0
80	13.1	12.6	12.4	10.2	9.8	8.8	136	12.0	11.4	10.5
88	12.0	11.6	11.5	9.2	9.0	8.4	144	11.5	10.8	9.9
96	11.0	10.8	-	8.4	8.2	7.9	152	11.0	10.5	9.2
104	10.2	10.2	-	7.8	7.6	7.3	160	10.4	10.1	8.6
112	-	-	-	7.0	7.0	7.0	168	10.1	9.7	-
120	-	-	-	6.7	6.6	-	176	9.9	9.3	-
128	-	-	-	6.3	6.3	-	184	9.3	4.4	-
136	-	-	-	6.0	-	-	192	-	-	-
							200	-	-	-
							208	-	-	-
							216	-	-	-

166.3 ft		76.8 ft			108.3 ft		
ft	0°	20°	40°	0°	20°	40°	
	1,000 lb			1,000 lb			
56	21.8	-	-	12.3	-	-	
64	20.7	-	-	12.2	-	-	
72	19.4	17.2	-	11.9	-	-	
80	18.4	16.4	13.6	11.6	-	-	
88	17.5	15.6	13.0	11.1	10.2	-	
96	16.6	14.8	12.4	10.7	9.6	-	
104	15.8	14.2	11.8	10.2	9.1	7.1	
112	14.9	13.4	11.4	9.7	8.8	6.8	
120	14.1	12.9	10.9	9.2	8.3	6.6	
128	13.4	12.3	10.4	8.8	8.0	6.4	
136	12.7	11.8	10.0	8.4	7.6	6.2	
144	12.1	11.5	9.5	8.0	7.3	6.0	
152	11.8	11.0	9.2	7.7	7.0	5.7	
160	11.3	10.6	8.7	7.4	6.7	5.4	
168	10.8	10.2	8.5	7.1	6.5	5.2	
176	10.2	10.0	8.2	6.7	6.2	5.1	
184	9.7	9.6	7.8	6.4	6.1	4.8	
192	9.1	9.2	7.4	6.1	5.9	4.6	
200	8.6	8.8	7.2	6.0	5.8	4.5	
208	7.8	8.1	-	5.8	5.7	4.3	
216	6.9	7.3	-	5.5	5.5	4.2	
224	6.0	6.3	-	5.4	5.3	4.1	
232	-	-	-	5.1	5.0	-	
240	-	-	-	4.6	4.9	-	
248	-	-	-	4.1	4.4	-	

229.7 ft		76.8 ft			108.3 ft		
ft	0°	20°*	40°*	0°*	20°**	40°**	
	1,000 lb			1,000 lb			
80	11.2	-	-	6.8	-	-	
88	10.9	-	-	6.8	-	-	
96	10.7	10.8	8.2	6.8	-	-	
104	10.4	10.6	8.2	6.8	-	-	
112	10.1	10.3	7.9	6.8	7.9	4.8	
120	9.9	10.0	7.7	6.6	7.7	4.6	
128	9.6	9.5	7.5	6.4	7.4	4.5	
136	9.2	9.1	7.3	6.2	7.1	4.4	
144	8.6	8.6	7.1	6.0	6.8	4.2	
152	8.1	8.1	7.0	5.9	6.6	4.2	
160	7.5	7.8	6.7	5.6	6.4	4.0	
168	7.0	7.3	6.5	5.4	6.3	3.9	
176	6.5	6.9	6.4	5.1	6.0	3.8	
184	5.7	6.4	6.3	4.8	5.8	3.6	
192	4.9	5.9	6.1	4.6	5.7	3.5	
200	4.3	5.5	5.5	4.3	5.4	3.4	
208	3.6	5.0	5.1	4.0	5.1	3.2	
216	2.9	4.4	4.7	3.6	4.9	3.1	
224	-	4.0	4.1	3.2	4.6	3.1	
232	-	3.6	3.6	2.8	4.3	3.0	
240	-	3.1	3.2	2.5	4.1	2.9	
248	-	2.6	2.7	-	3.7	2.9	
256	-	-	-	-	-	2.9	
264	-	-	-	-	-	2.5	

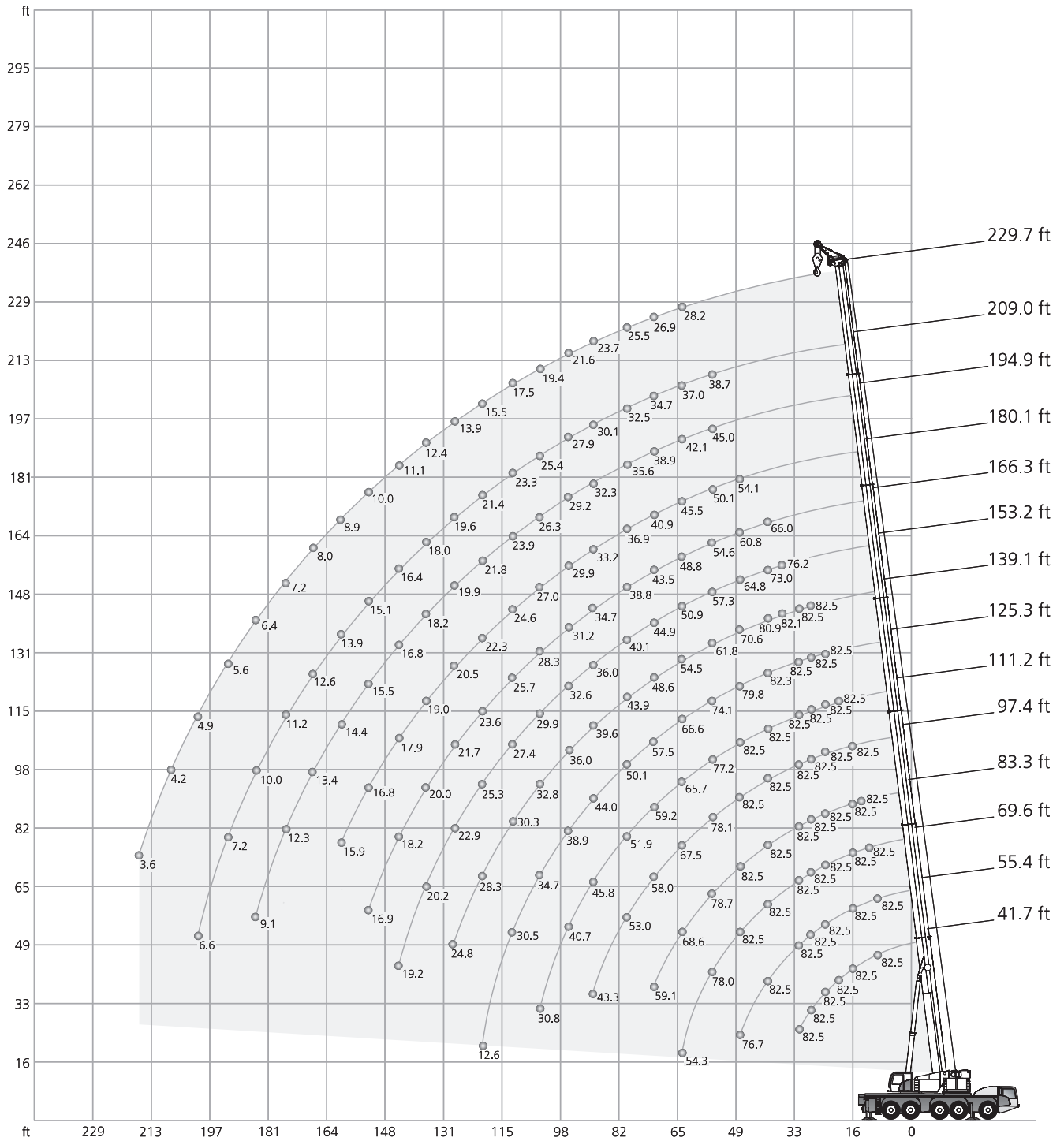
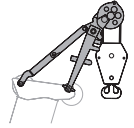
 *225.7 ft **209.0 ft

41,200 lb		27.60 ft x 29.10 ft						360°			ASME B30.5						
41.7 ft									125.3 ft								
ft	76.8 ft			108.3 ft			ft	76.8 ft			108.3 ft						
	0°	20°	40°	0°	20°	40°		0°	20°	40°	0°	20°	40°				
1,000 lb																	
16	40.7	-	-	-	-	-	40	27.6	-	-	14.7	-	-				
18	39.0	-	-	-	-	-	48	25.5	-	-	14.3	-	-				
20	37.0	-	-	18.3	-	-	56	23.4	20.1	-	13.9	-	-				
24	33.6	-	-	17.9	-	-	64	21.5	18.6	16.8	13.3	-	-				
28	30.5	-	-	17.5	-	-	72	19.9	17.4	15.9	12.8	11.7	-				
32	28.0	24.9	-	17.3	-	-	80	18.5	16.4	15.1	12.2	10.9	-				
36	25.9	23.2	-	16.9	-	-	88	17.0	15.4	14.3	11.5	10.4	8.9				
40	24.0	21.6	19.9	16.4	-	-	96	15.8	14.4	13.6	10.8	9.7	8.7				
48	20.5	19.0	17.8	15.0	13.2	-	104	14.2	13.5	12.9	10.2	9.3	8.4				
56	18.0	16.8	16.0	13.6	12.3	-	112	12.2	12.7	12.3	9.6	8.8	7.9				
64	16.0	15.1	14.6	12.4	11.4	-	120	10.2	11.2	11.3	8.9	8.3	7.7				
72	14.4	13.7	13.3	11.3	10.6	9.1	128	9.4	9.5	10.1	8.4	7.8	7.4				
80	13.1	12.6	12.4	10.2	9.8	8.8	136	8.2	8.7	8.7	7.4	7.4	7.1				
88	12.0	11.6	11.5	9.2	9.0	8.4	144	6.9	7.6	8.0	6.9	7.1	6.8				
96	11.0	10.8	-	8.4	8.2	7.9	152	5.8	6.4	6.7	6.0	6.3	6.5				
104	10.2	10.2	-	7.8	7.6	7.3	160	4.8	5.3	5.5	5.0	5.8	5.9				
112	-	-	-	7.0	7.0	7.0	168	4.0	4.4	-	4.0	5.0	5.3				
120	-	-	-	6.7	6.6	-	176	3.2	3.4	-	3.2	4.1	4.7				
128	-	-	-	6.3	6.3	-	184	-	-	-	-	3.3	3.8				
136	-	-	-	6.0	-	-											

166.3 ft						
ft	76.8 ft			108.3 ft		
	0°	20°	40°	0°	20°	40°
1,000 lb						
56	21.8	-	-	12.3	-	-
64	20.7	-	-	12.2	-	-
72	19.4	17.2	-	11.9	-	-
80	17.6	16.4	13.6	11.6	-	-
88	16.0	15.2	13.0	10.9	10.2	-
96	14.0	14.2	12.4	10.3	9.6	-
104	11.6	13.1	11.8	9.5	9.1	7.1
112	10.5	11.1	10.9	8.5	8.6	6.8
120	8.9	9.7	10.1	7.6	8.0	6.6
128	7.4	8.5	9.0	6.3	7.5	6.4
136	6.0	7.1	7.9	5.1	6.5	6.0
144	4.9	5.8	6.5	4.0	5.1	5.7
152	3.8	4.5	5.1	3.0	4.0	5.2
160	2.7	3.4	4.1	-	3.1	4.5
168	-	-	-	-	-	3.5
176	-	-	-	-	-	2.6

229.7 ft						
ft	76.8 ft			108.3 ft		
	0°	20°*	40°*	0°*	20°**	40°**
1,000 lb						
80	11.0	-	-	6.8	-	-
88	9.1	-	-	6.7	-	-
96	6.6	9.6	8.2	5.5	-	-
104	4.5	7.1	8.2	3.5	-	-
112	-	5.2	6.9	-	6.5	4.8
120	-	3.4	5.1	-	4.7	4.6
128	-	-	3.5	-	3.2	4.5
136	-	-	-	-	-	4.1
144	-	-	-	-	-	2.9

 *225.7 ft **209.0 ft







154,800 lb		27.60 ft x 29.10 ft											360°		ASME B30.5	
41.7ft		55.4ft	69.6ft	83.3ft	97.4ft	111.2ft	125.3ft	139.1ft	153.2ft	166.3ft	180.1ft	194.9ft	209.0ft	229.7ft		
ft	1,000 lb														ft	
10	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	10
12	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	12
14	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	14
16	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	16
18	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	18
20	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	20
24	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	24
28	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	28
32	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	32
36	-	82.5	82.5	82.5	82.5	82.5	82.5	82.1	76.2	-	-	-	-	-	-	36
40	-	82.5	82.5	82.5	82.5	82.5	82.3	80.9	73.0	66.0	-	-	-	-	-	40
48	-	76.7	82.5	82.5	82.5	82.5	79.8	70.6	64.8	60.8	54.1	-	-	-	-	48
56	-	-	78.0	78.7	78.1	77.2	74.1	61.8	57.3	54.6	50.1	45.0	38.7	-	-	56
64	-	-	54.3	68.6	67.5	65.7	66.6	54.5	50.9	48.8	45.5	42.1	37.0	28.2	-	64
72	-	-	-	59.1	58.0	59.2	57.5	48.6	44.9	43.5	40.9	38.9	34.7	26.9	-	72
80	-	-	-	-	53.0	51.9	50.1	43.9	40.1	38.8	36.9	35.6	32.5	25.5	-	80
88	-	-	-	-	43.3	45.8	44.0	39.6	36.0	34.7	33.2	32.3	30.1	23.7	-	88
96	-	-	-	-	15.8	40.7	38.9	36.0	32.6	31.2	29.9	29.2	27.9	21.6	-	96
104	-	-	-	-	-	30.8	34.7	32.8	29.9	28.3	27.0	26.3	25.4	19.4	-	104
112	-	-	-	-	-	-	30.5	30.3	27.4	25.7	24.6	23.9	23.3	17.5	-	112
120	-	-	-	-	-	-	12.6	28.3	25.3	23.6	22.3	21.8	21.4	15.5	-	120
128	-	-	-	-	-	-	-	24.8	22.9	21.7	20.5	19.9	19.6	13.9	-	128
136	-	-	-	-	-	-	-	12.3	20.2	20.0	19.0	18.2	18.0	12.4	-	136
144	-	-	-	-	-	-	-	-	19.2	18.2	17.9	16.8	16.4	11.1	-	144
152	-	-	-	-	-	-	-	-	-	16.9	16.8	15.5	15.1	10.0	-	152
160	-	-	-	-	-	-	-	-	-	-	15.9	14.4	13.9	8.9	-	160
168	-	-	-	-	-	-	-	-	-	-	-	13.4	12.6	8.0	-	168
176	-	-	-	-	-	-	-	-	-	-	-	12.3	11.2	7.2	-	176
184	-	-	-	-	-	-	-	-	-	-	-	9.1	10.0	6.4	-	184
192	-	-	-	-	-	-	-	-	-	-	-	-	7.2	5.6	-	192
200	-	-	-	-	-	-	-	-	-	-	-	-	6.6	4.9	-	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	-	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	216
1)	40.6	30.2	23.6	18.5	14.8	11.5	8.8	6.2	4.0	2.6	-	-	-	-	-	1)

1) Capacities with horizontal boom

☰ 113,800 lb		📏 27.60 ft x 29.10 ft										360°		ASME B30.5	
📐 41.7ft		📐 55.4ft	📐 69.6ft	📐 83.3ft	📐 97.4ft	📐 111.2ft	📐 125.3ft	📐 139.1ft	📐 153.2ft	📐 166.3ft	📐 180.1ft	📐 194.9ft	📐 209.0ft	📐 229.7ft	📐
ft	1,000 lb														ft
10	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	10
12	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	12
14	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	14
16	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	16
18	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	18
20	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	20
24	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	24
28	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	28
32	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	32
36	-	82.5	82.5	82.5	82.5	82.5	82.5	82.1	76.2	-	-	-	-	-	36
40	-	82.5	82.5	82.5	82.5	82.5	82.3	80.9	73.0	66.0	-	-	-	-	40
48	-	76.7	81.3	81.1	80.8	80.2	79.8	70.6	64.8	60.8	54.1	-	-	-	48
56	-	-	73.0	72.6	71.5	70.1	70.8	61.8	57.3	54.6	50.1	45.0	38.7	-	56
64	-	-	52.0	60.2	60.9	60.6	58.3	54.5	50.9	48.8	45.5	42.1	37.0	28.2	64
72	-	-	-	52.4	51.8	50.3	48.1	47.1	44.9	43.5	40.9	38.9	34.7	26.9	72
80	-	-	-	-	44.2	42.6	40.4	39.6	39.2	38.4	36.9	35.6	32.5	25.5	80
88	-	-	-	-	38.1	36.5	35.8	35.6	33.6	33.3	32.8	32.3	30.1	23.7	88
96	-	-	-	-	15.8	31.7	31.4	30.9	28.6	28.9	28.9	28.6	27.9	21.6	96
104	-	-	-	-	-	28.1	28.8	27.2	25.2	24.7	25.6	25.0	25.2	19.4	104
112	-	-	-	-	-	-	25.4	23.9	23.0	22.4	23.4	23.0	21.7	17.5	112
120	-	-	-	-	-	-	12.6	21.0	21.2	20.8	20.7	19.9	18.7	15.5	120
128	-	-	-	-	-	-	-	19.3	19.1	18.8	18.5	17.3	16.0	13.9	128
136	-	-	-	-	-	-	-	12.3	17.2	17.3	16.6	14.9	13.7	12.4	136
144	-	-	-	-	-	-	-	-	16.1	15.5	14.4	12.9	12.2	11.1	144
152	-	-	-	-	-	-	-	-	-	13.9	12.8	11.0	11.0	9.7	152
160	-	-	-	-	-	-	-	-	-	-	11.2	9.5	9.5	8.2	160
168	-	-	-	-	-	-	-	-	-	-	-	8.3	8.2	6.8	168
176	-	-	-	-	-	-	-	-	-	-	-	7.6	7.0	5.5	176
184	-	-	-	-	-	-	-	-	-	-	-	6.9	5.8	4.4	184
192	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	192
200	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	200
1)	40.6	30.2	23.6	18.5	14.8	11.5	8.8	6.2	4.0	2.6	-	-	-	-	1)

1) Capacities with horizontal boom

 41,200 lb		 27.60 ft x 29.10 ft											360°		ASME B30.5		
		41.7ft	55.4ft	69.6ft	83.3ft	97.4ft	111.2ft	125.3ft	139.1ft	153.2ft	166.3ft	180.1ft	194.9ft	209.0ft	229.7ft		
ft	1,000 lb														ft		
10	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	14
16	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	16
18	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	18
20	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	20
24	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	24
28	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	28
32	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.0	-	-	-	-	-	-	-	32
36	-	78.5	79.0	78.7	79.9	77.9	75.7	73.5	68.3	-	-	-	-	-	-	-	36
40	-	72.6	73.7	73.3	75.4	71.6	68.5	64.6	62.3	57.7	-	-	-	-	-	-	40
48	-	44.3	55.6	56.0	55.0	54.3	52.2	51.3	48.9	47.6	44.4	-	-	-	-	-	48
56	-	-	42.5	42.7	41.8	42.4	41.6	41.3	40.0	38.8	37.6	34.3	31.9	-	-	-	56
64	-	-	33.4	33.6	34.8	34.3	33.5	33.0	33.4	32.7	30.4	29.1	26.4	23.8	-	-	64
72	-	-	-	28.5	28.6	27.7	28.1	28.1	27.5	26.2	26.1	23.9	21.3	18.8	-	-	72
80	-	-	-	-	23.6	23.7	23.8	23.2	22.5	22.5	21.4	19.5	17.1	14.9	-	-	80
88	-	-	-	-	19.8	20.2	20.0	19.5	18.4	18.6	17.3	16.0	13.7	11.5	-	-	88
96	-	-	-	-	15.8	17.0	16.8	16.1	15.2	15.2	14.1	12.8	10.7	8.5	-	-	96
104	-	-	-	-	-	14.6	14.2	13.3	12.5	12.5	11.4	10.0	8.2	6.2	-	-	104
112	-	-	-	-	-	-	12.0	11.1	10.2	10.3	9.1	7.8	6.3	4.3	-	-	112
120	-	-	-	-	-	-	10.0	9.3	8.2	8.4	7.1	5.9	4.4	-	-	-	120
128	-	-	-	-	-	-	-	7.6	6.7	6.7	5.5	4.3	-	-	-	-	128
136	-	-	-	-	-	-	-	6.3	5.4	5.4	4.0	2.9	-	-	-	-	136
144	-	-	-	-	-	-	-	-	4.0	4.0	2.9	-	-	-	-	-	144
152	-	-	-	-	-	-	-	-	-	3.0	-	-	-	-	-	-	152
1)	40.6	30.2	23.6	18.5	14.8	11.5	8.8	6.2	3.5	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

0 lb		27.60 ft x 29.10 ft											360°	ASME B30.5
ft		41.7ft	55.4ft	69.6ft	83.3ft	97.4ft	111.2ft	125.3ft	139.1ft	153.2ft	166.3ft	180.1ft	194.9ft	ft
1,000 lb														
10	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	10
12	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	12
14	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	14
16	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	16
18	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	18
20	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	20
24	82.5	82.5	82.5	82.5	82.2	80.8	78.2	-	-	-	-	-	-	24
28	75.4	78.2	79.6	77.4	74.3	70.3	65.5	57.9	-	-	-	-	-	28
32	57.9	63.5	66.5	64.5	61.1	58.5	55.2	53.0	-	-	-	-	-	32
36	-	51.2	53.5	52.9	52.2	49.9	46.4	45.9	42.8	-	-	-	-	36
40	-	40.1	42.3	44.7	44.5	42.6	41.4	38.6	36.0	34.7	-	-	-	40
48	-	17.0	30.6	31.7	32.1	32.0	31.0	28.6	26.6	25.8	23.2	-	-	48
56	-	-	22.4	23.3	24.1	23.8	23.4	21.7	20.0	19.4	17.2	14.6	-	56
64	-	-	16.5	17.4	18.2	18.0	17.6	16.4	15.0	14.5	12.6	10.3	-	64
72	-	-	-	13.1	13.8	13.5	13.3	12.4	11.1	10.9	8.9	6.5	-	72
80	-	-	-	-	10.6	10.2	9.9	9.1	8.1	7.8	6.0	-	-	80
88	-	-	-	-	7.9	7.6	7.3	6.5	5.4	5.4	3.6	-	-	88
96	-	-	-	-	5.9	5.4	5.2	4.3	3.2	3.4	-	-	-	96
104	-	-	-	-	-	3.7	3.3	2.4	-	-	-	-	-	104
1)	37.9	22.5	14.8	9.5	6.0	2.9	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

Ratings are in compliance with ASME B30.5.
Lifting capacities do not exceed 85 % of tipping load.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.
Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.
Crane operation is subject to the computer charts and operation manual both supplied with the crane.

Basic machine

Equipment carrier

Engine 405-4	Scania DC13; Diesel engine; 405 kW / 2100 1/min (550 HP), torque 2476 Nm / 1400 1/min; The engine complies with Tier 4F; Exhaust system complete stainless steel.
Fuel tank	Fuel tank 132 gallons Diesel (no RME / biodiesel); 16 gallons AdBlue tank.
Transmission ZF TraXon	ZF TraXon; Automated gearbox with integrated hydraulic retarder, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable off-road gear.
Axles 10 x 6 x 10	10 x 6 x 10; Five axles, axles 3-5 are driven and dispose of a selectable transverse lock; Axle 4 with selectable longitudinal lock; All axles steered.
Suspension	Hydropneumatic suspension with axle load compensation; Hydraulically lockable.
Steering	Dual-circuit steering system with independent rear axle steering; Axles 1, 2, 3 mechanically connected; Axles 4 and 5 electro-hydraulically connected, all axles steered with 6 different steering programs.
Brakes	Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Hydraulic retarder integrated into transmission as wear-free sustained-action brake; Additional exhaust brake; Parking brake.
Tires size 385/95 R25 (14.00R25)	Tires size 385/95 R25 (14.00R25); Steel rim 9,5-25/1,7"; TechKing ETCRANE 170F or similar.
Cab 2850	Type 9.35 ft; Adjustable driver seat, armrests and pneumatic suspension; Height and tilt-adjustable steering wheel; Auxiliary / passenger seat; Powered door windows; Tinted glass; Central door locking; Electrically adjustable rear-view mirrors, heated; Radio; Seat heating.
Heating engine-dependent	Engine-dependent warm water heating with 12 kW heating power.
Aircondition	Aircondition for carrier cab, 7 kW rated cooling power.
Drive lights	Including low beam, upper beam, daytime running lights, fog lights and cornering lights.
Outriggers	H-4-point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively; 5 outrigger bases: 9.0 ft, 13.6 ft, 18.2 ft, 23.0 ft, 27.6 ft.
Outrigger pads 038PA	4 round polyamide outrigger pads A = 1.25 ft ² with transport position at vertical cylinder.
Outrigger basis monitoring	Individual monitoring of horizontal stroke; Deviation warning in crane cab.
Outrigger load indicator	The outrigger load is indicated in the operator cab and the outrigger control box.
Electronic immobilizer system	Prevents uncontrolled carrier mobilization; Incl. 5 ignition keys.
Pneumatic system adapter for inflating tires	Pneumatic system adapter for inflating tires makes it possible for operators to inflate tires by themselves.
Contour safety marking	Continuous reflective strips on the sides of the chassis and on the rear.

Equipment superstructure

Telescopic boom HA70	41.7 ft - 229.7 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 5 sheaves integrated in boom head for max. capacity of 209,000 lb.
Boom luffing	1 luffing cylinder with automatic lowering brake valve.
Rotary drive	Single slewing gear unit with spring-loaded multi-disc brake; Different operating modes selectable.
H1	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. hoist monitoring.
Counterweight 113,800 lb	Counterweight 113,800 lb, 6 pieces (a-e); Automatic rigging system.
Control system	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits.
Operator aids	IC-1, with integrated electronic load moment indicator in accordance with EN13000; Color display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger.
Working range limiter	Displaying and programmability of the work range limits by IC-1.
Hook height indication	Displaying and programmability of the hook height H1 by IC-1.
Cab 875	Type 2.87 ft; Tilt infinitely variable 16°; Sliding window rear; Fold-out front window; Extendable side pedestal, front pedestal; Handrails; Tinted safety glass; Pull-down sun visor; Radio; Seat heating.
Heating engine-independent	Engine-independent warm water heating with 5 kW heating power.
Aircondition	Aircondition in crane cab with 5 kW rated cooling power.
Anemometer	Removable, to be used with all extensions.

Additional equipment

Carrier

Engine 331-3	Scania DC13; Diesel engine; 331 kW / 2100 1/min (450 HP), torque 2007 Nm / 1575 1/min; The engine complies with EU Stage III A / Tier 3; Exhaust system optional with spark arrester.
Axles 10 x 8 x 10	10 x 8 x 10; Five axles, axles 2-5 are driven and dispose of a selectable transverse lock; Axles 3 and 4 with selectable longitudinal lock; All axles steered.
Additional fuel tank	Additional fuel tank 53 gallons; For 185 gallons diesel total in carrier (no RME / biodiesel).

Superstructure

Heavy lift attachment 2. hoist (H2)	2 additional sheaves; Dis-/connectable; For total 7 sheaves at boom head; Max. capacity 286,600 lb. 2. hoist; Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. quick couplings and transport rack.
Additional counterweight 41,000 lb	Additional counterweight 41,000 lb; 2 pieces; for total 154,800 lb, 8 pieces.
Load supervision camera	Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head.

Handling

Remote control IC-1 Plus	Control of superstructure movements via wireless remote control. Smart crane control system for main boom operation enabling higher lifting capacities especially over outriggers. Enables safe use of the full capacity of the crane even in asymmetric outrigger configurations. Outriggers can be positioned independently. Capacity precalculation for +/- 30° slewing angle and radius area. In-cab lift simulation.
IC-1 Remote	IC-1 Remote, Demag telematic system.

Extensions

HAV 37.4 ft	37.4 ft; Lattice swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage; Cannot be carried while maintaining 26,500 lb axle load.
HAV 68.9 ft	68.9 ft; Double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage; Cannot be carried while maintaining 26,500 lb axle load; Includes HAV 37.4 ft.
HAV-VA 108.3 ft	108.3 ft; Variable extension; Single piece, 39.4 ft lattice boom extension and double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage for double folding swing-away jib; Includes HAV 37.4 ft, HAV 68.9 ft and HAV-VA 75.5 ft.
HAV-VA 147.6 ft	147.6 ft; Variable extension; 2 x 1 piece 12 m lattice boom extension and double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage for double folding swing-away jib; Includes HAV 37.4 ft, HAV 68.9 ft, HAV-VA 75.5 ft and HAV-VA 108.3 ft.
HAV-HY	Hydraulic offset 0°-40° instead of manual offset 20°/40°; available for HAV 37.4 ft, HAV 68.9 ft, HAV-VA 108.3 ft, HAV-VA 147.6 ft.
MS (runner)	5.25 ft; Fixed angle runner; 2 sheaves, for max. 86,200 lb lifting capacity; Incl. transport storage at boom head.

Hook Blocks

Hook block 160-7-21-D	160-7-21-D (3660 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 125-5-21-D	125-5-21-D (2490 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 80-3-21-D	80-3-21-D (1870 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 32-1B-21-D-Vario	32-1B-21-D (441 lb / 1320 lb); Hook block with ramshorn hook, ballast transported separately on rear of carrier, requires storage; white with red signal stripes.
Hook block 32-1-21-D	32-1-21-D (1390 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook 12-0V-E	12-0V-E (770 lb); Single hook with vertical swivel; red.

Further additional equipment on request!

Weight data may deviate from posted values based on road / travel configuration, equipment configuration, and component weight tolerances.

A large rectangular area with horizontal lines, intended for taking notes.

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December 2020. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the corresponding Operator's Manual when using our equipment or to otherwise act responsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Tadano makes no other warranty, express or implied. All rights reserved. Products and services listed may be trademarks, service marks or trade-names of Tadano Ltd.

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