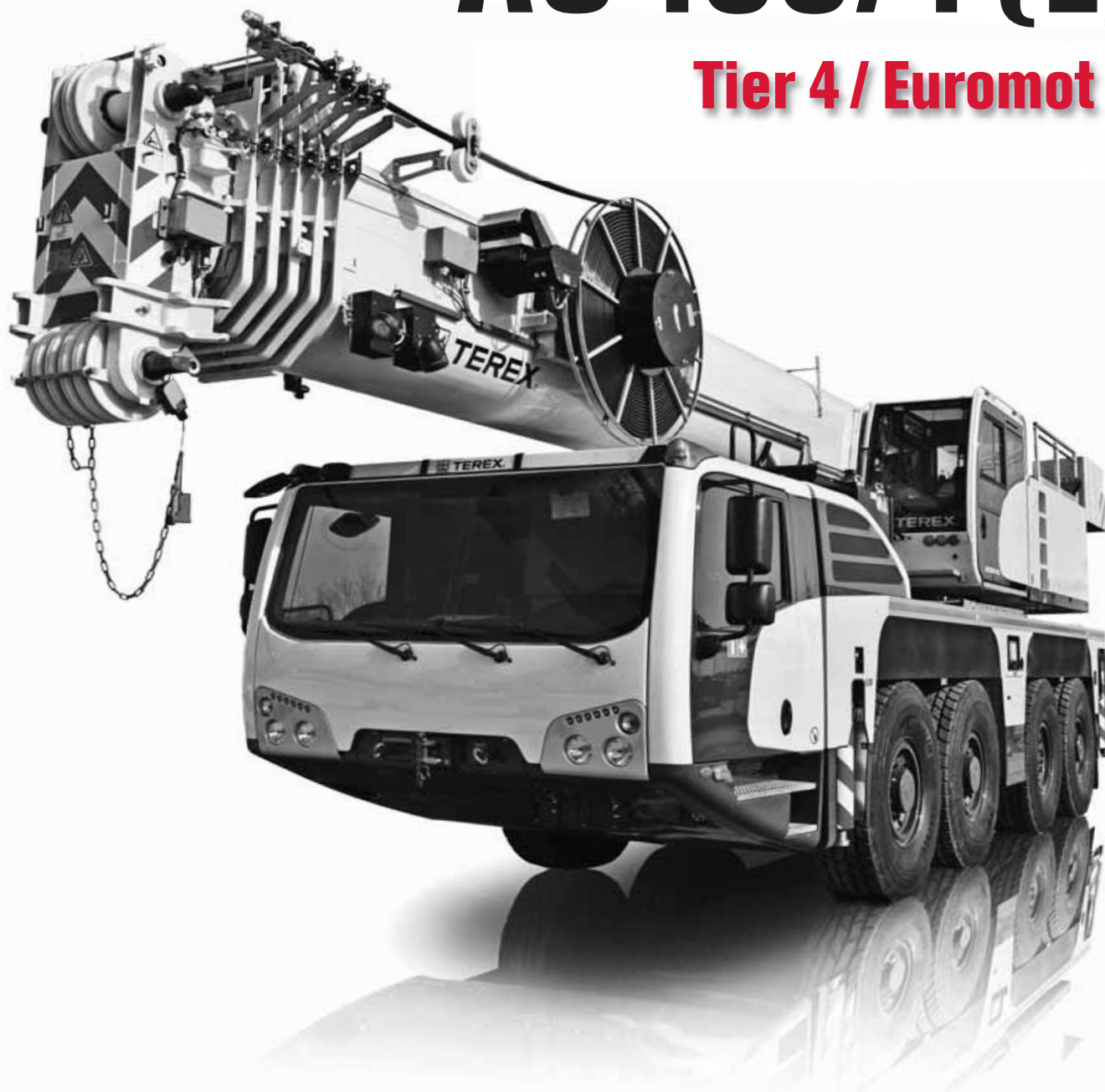




AC 100/4 (L)
120 USt capacity class
All terrain crane
Datasheet
imperial

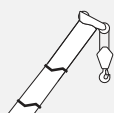
AC 100/4 (L)

Tier 4 / Euromot 4



WORKS FOR YOU.™

	Page:
Dimensions	5
Specifications	6
Equipment	7
Counterweight	8



HA (HA50, HA60)

Main boom	9
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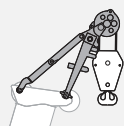
HAV (HA50, HA60)

Folding swing-away jib	18
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HAV-VA (HA50, HA60)

Variable extension with swing-away jib	32
--	----



MS (HA50, HA60)

Runner	44
--------------	----

Technical description	52
-----------------------------	----



Counterweight



Lifting capacities on outriggers · 360°



Radius



Main boom



Swing-away jib



Runner



Adapter



Max. axle loads



Mechanism



Tyres



Hook block



Hoist



Dolly



Travel speed



Gradeability – road



Gradeability – off road



Slewing



Boom telescoping



Boom elevation



Working speeds



Max. line pull



Rope diameter



Rope length



Hook block (capacity-sheaves-rope diameter)



Number of lines



Possible load of hook block



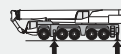
Weight of hook block



Distance head sheave axle – hook ground



Number of sheaves in boom head



Supporting force



Length of stroke (support cylinders)



Additional parts for hydraulic system

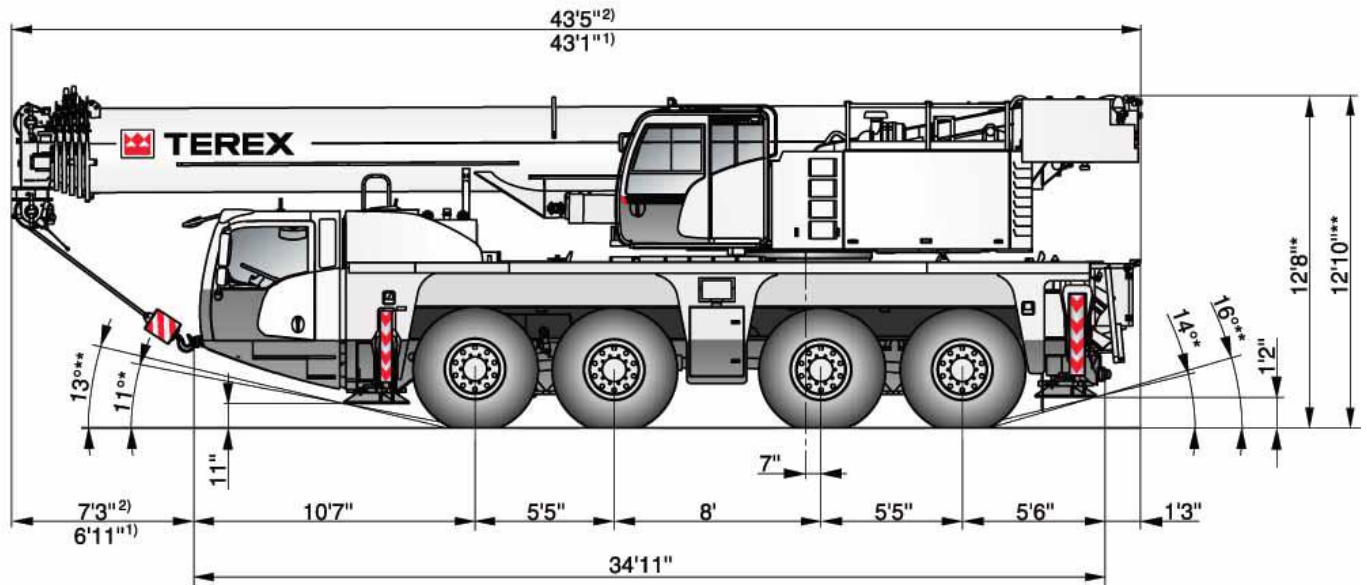
Features:

- ▶ Highest lifting capacities of any four-axle crane – both with maximum counterweight configuration as well as when remaining inside the 26,500 lb axle load limit
- ▶ Only four-axle crane in the category above 154,400 lb with a vehicle width of only 8'5" when using 16.00R25-size tyres
- ▶ 9,900 lb counterweight within 26,500 lb axle load, 44,500 lb within 36,400 lb axle load roadable
- ▶ High and economic road and crane performance due to powerful and modern drive train technology
- ▶ Variable main boom extension system



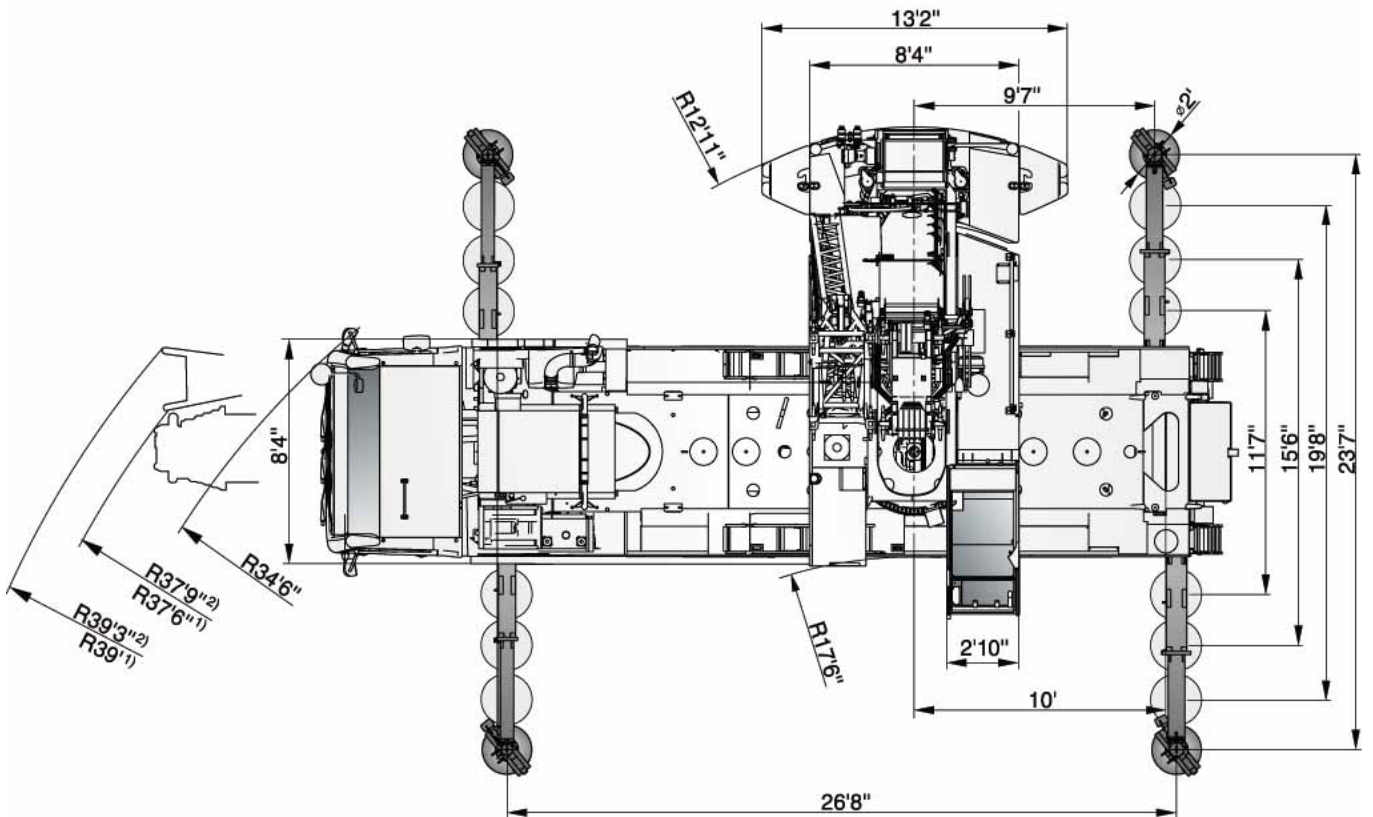
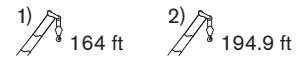
DIMENSIONS

AC 100/4(L)



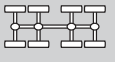
* Wheels 14"

** Wheels 16"

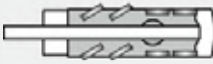
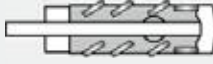
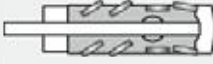
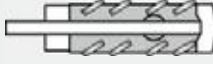
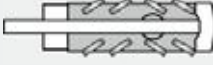
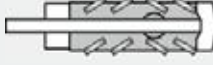


SPECIFICATIONS

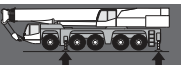
AC 100/4(L)

									
	Total								
< 22,100 lb				On request!					X
26,500 lb	106,000 lb	8 x 6 x 8	385/95R25	20-1-18	13,400 lb	—	X	—	—
26,500 lb	106,000 lb	8 x 6 x 8	445/95R25	—	9,900 lb	32.8 ft	X	—	—
26,500 lb	106,000 lb	8 x 8 x 8	445/95R25	50-3-18	9,900 lb	—	X	—	—
32,000 lb	119,000 lb	8 x 8 x 8	445/95R25	50-3-18	19,800 lb	62.3 ft	X	—	—
36,400 lb	143,300 lb	8 x 8 x 8	445/95R25	50-3-18	44,500 lb	62.3 ft	X	—	—
26,500 lb	106,000 lb	8 x 8 x 8	385/95R25	20-1-18	9,900 lb	—	—	X	—
26,500 lb	106,000 lb	8 x 8 x 8	445/95R25	8-0-18	9,900 lb	—	—	X	—
32,000 lb	121,300 lb	8 x 8 x 8	445/95R25	50-3-18	19,800 lb	62.3 ft	—	X	—
36,400 lb	145,500 lb	8 x 8 x 8	445/95R25	20-1-18	44,500 lb	62.3 ft	—	X	—

Further configurations on request!

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

* must be activated

			
	94,800 lb	134,500 lb	max. 52.8 mph ¹⁾
	22.4"	25.2"	

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

			
	385/95 R25 14.00 R25	445/95 R25 16.00 R25	525/80 R25 20.50 R25
	45 %	40 %	40 %
	> 70 %	> 60 %	> 60 %

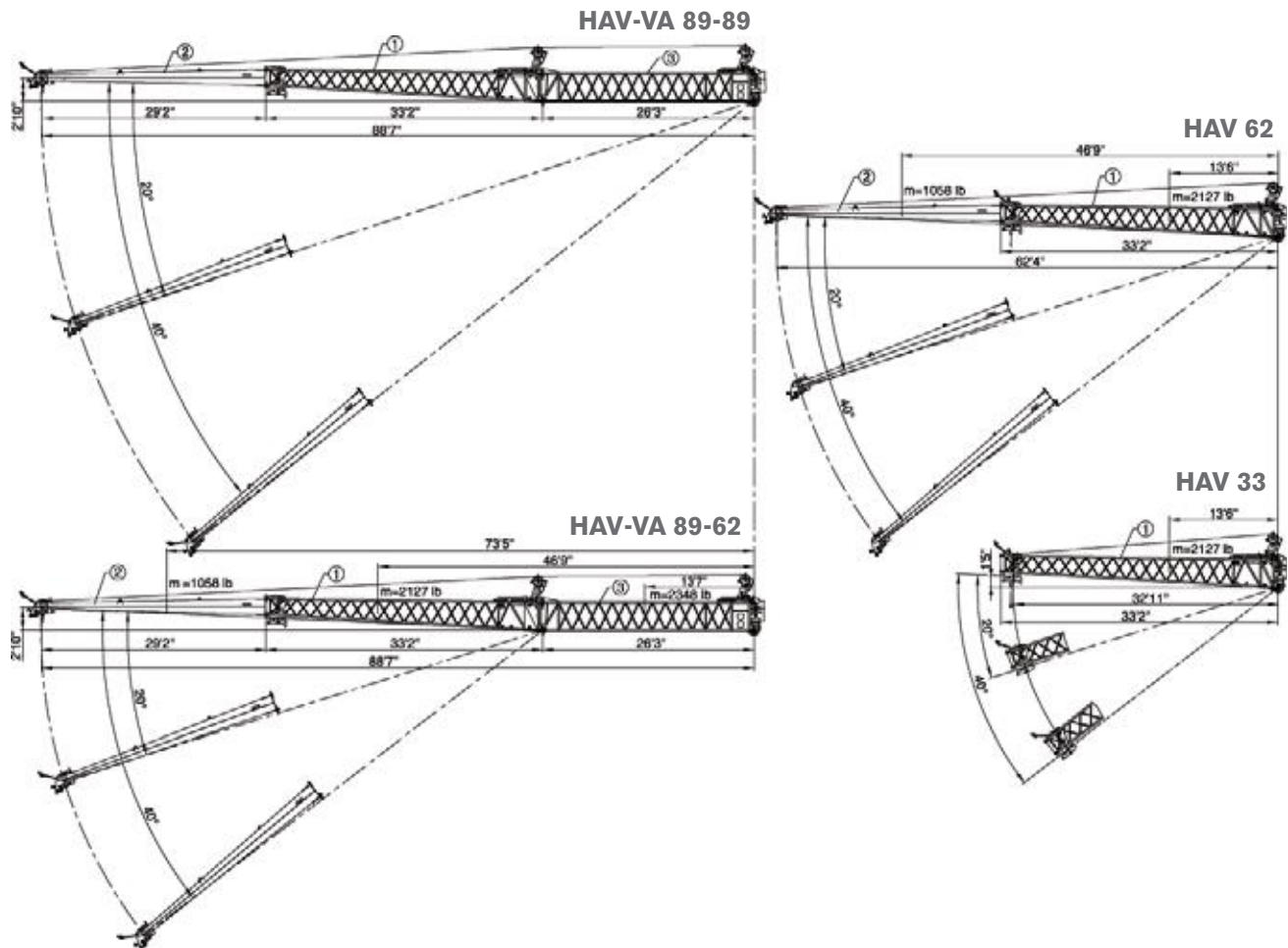
				
				
1	377.3 ft/min	14,500 lb	0.72"	870 ft
2	377.3 ft/min	14,500 lb	0.72"	870 ft
	1.4 min ⁻¹			
	ca. 490 s (39-164 ft)			
	ca. 590 s (39.4-194.9 ft)			
	60 s (0° - 82°)			

					
1	15,000 lb	8-0-18	5	375 lb	3.3 ft
2	29,500 lb	20-1-18	5	662 lb	5.9 ft
3	44,100 lb	20-1-18	5	662 lb	5.9 ft
4	58,600 lb	50-3-18	5	1,210 lb	5.9 ft
5	73,000 lb	50-3-18	5	1,210 lb	5.9 ft
6	87,100 lb	50-3-18	5	1,210 lb	5.9 ft
7	101,200 lb	50-3-18	5	1,210 lb	5.9 ft
8	114,900 lb	80-5-18	5	1,430 lb	6.6 ft
9	128,800 lb	80-5-18	5	1,430 lb	6.6 ft
10	142,200 lb	80-5-18	5	1,430 lb	6.6 ft
11	155,700 lb	80-5-18	5 + S1	1,430 lb	6.6 ft
12	169,100 lb	100-7-18	5 + S1	1,650 lb	6.6 ft
13	176,400 lb	100-7-18	5 + S1	1,650 lb	6.6 ft

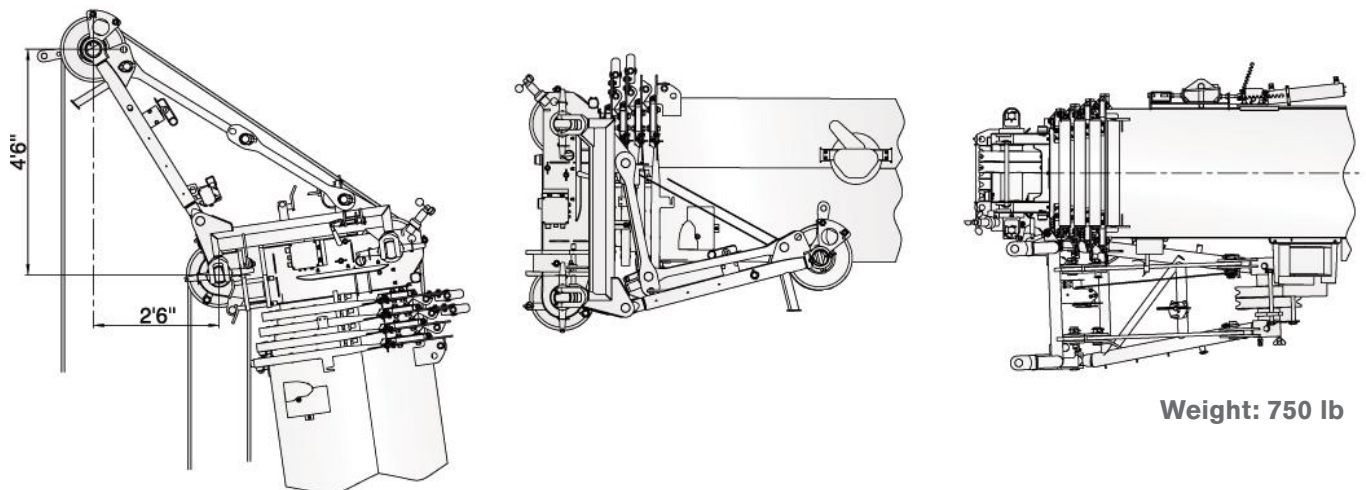
EQUIPMENT

AC 100/4(L)

HAV / HAV-VA



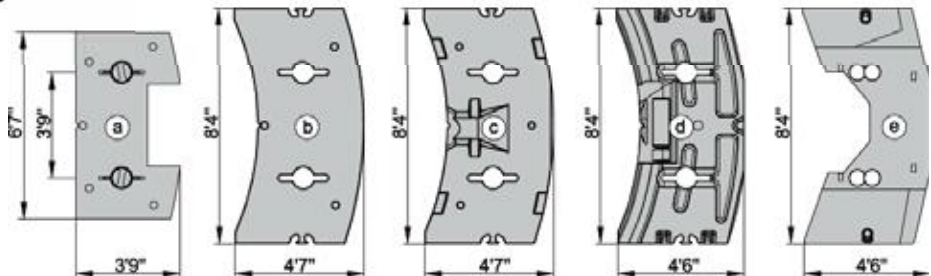
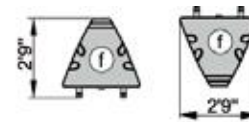
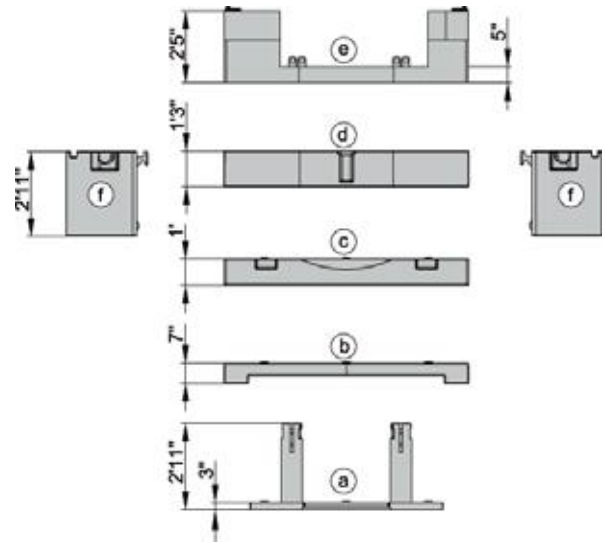
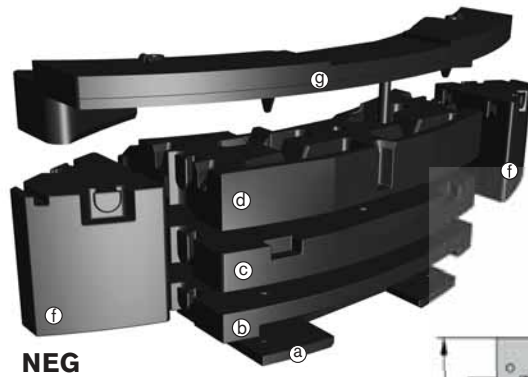
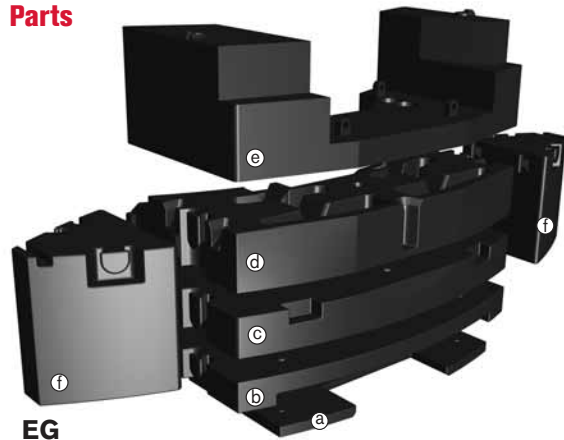
MS



COUNTERWEIGHT

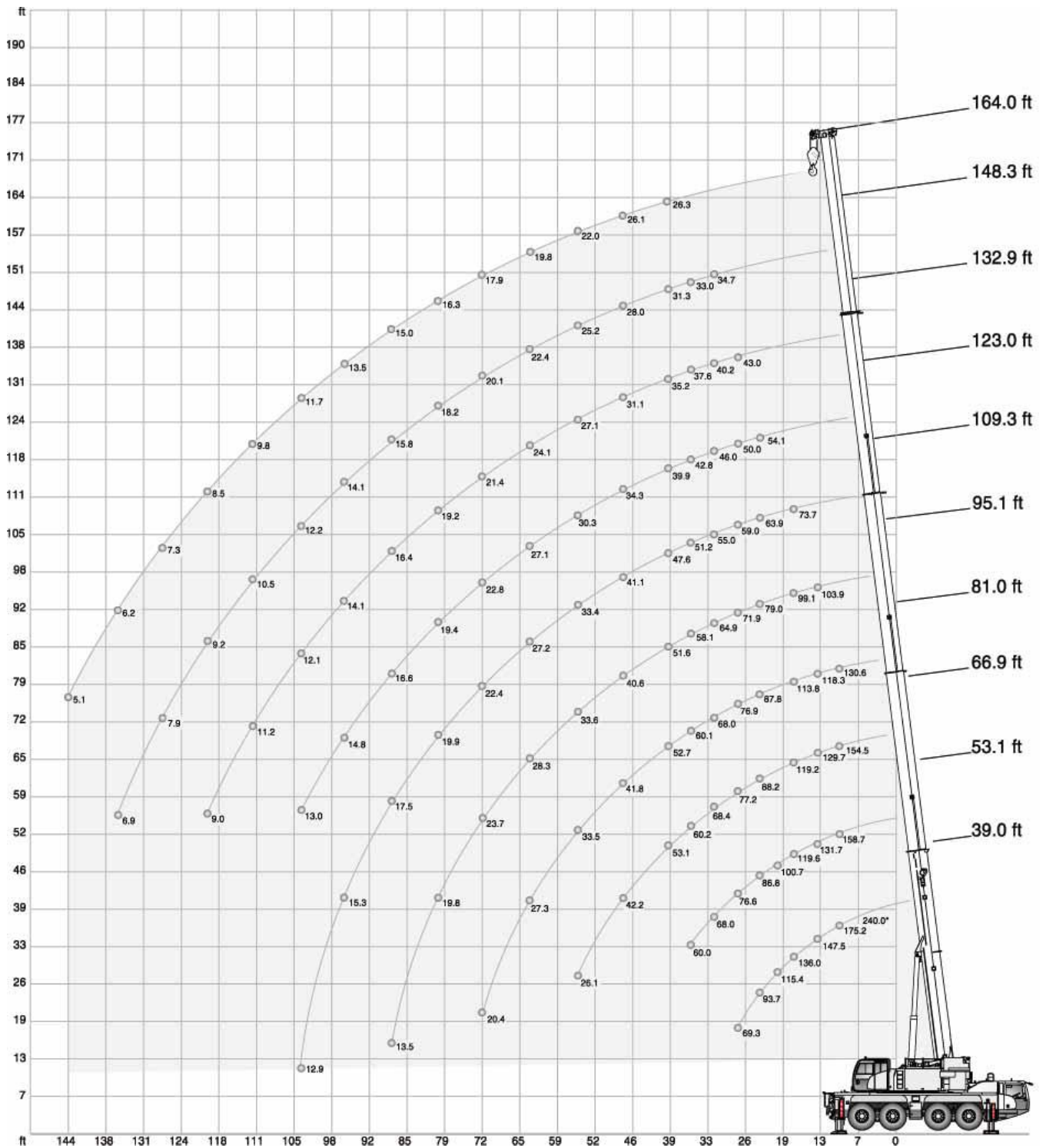
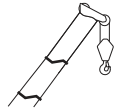
AC 100/4(L)

Parts



Configurations

		Ⓐ 3,500 lb	Ⓑ 6,400 lb	Ⓒ 11,500 lb	Ⓓ 13,200 lb	Ⓔ 9,900 lb	Ⓕ 5,500 lb	Ⓖ 5,500 lb	Ⓗ 10,400 lb
EG	9,900 lb					X			
	13,400 lb	X				X			
	19,800 lb	X	X			X			
	31,300 lb	X	X	X		X			
	44,500 lb	X	X	X	X	X			
	55,600 lb	X	X	X	X	X	X	X	
NEG	0 lb								
	3,500 lb	X							
	9,900 lb	X	X						
	21,400 lb	X	X	X					
	34,600 lb	X	X	X	X				
	45,600 lb	X	X	X	X		X	X	
	56,000 lb	X	X	X	X		X	X	X



* Capacity class

 55,600 lb		 26.6 ft x 23.6 ft		360°		85 %						
 (0°)	39.0 ft	39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft	1,000 lb											ft
	240.0*	-	-	-	-	-	-	-	-	-	-	
10	175.2	161.8	158.7	154.5	130.6	-	-	-	-	-	-	10
12	160.3	145.1	145.0	141.0	127.1	-	-	-	-	-	-	12
14	147.5	130.6	131.7	129.7	118.3	103.9	-	-	-	-	-	14
16	136.0	118.5	119.6	119.2	113.8	99.1	-	-	-	-	-	16
18	125.8	108.7	109.8	109.7	108.1	93.8	73.7	-	-	-	-	18
20	115.4	99.6	100.7	100.7	101.8	88.5	70.0	-	-	-	-	20
24	93.7	85.6	86.8	88.2	87.8	79.0	63.9	54.1	-	-	-	24
28	69.3	64.8	76.6	77.2	76.9	71.9	59.0	50.0	43.0	-	-	28
32	-	-	68.0	68.4	68.0	64.9	55.0	46.0	40.2	34.7	-	32
36	-	-	60.0	60.6	60.1	58.1	51.2	42.8	37.6	33.0	26.3	36
40	-	-	-	53.1	52.7	51.6	47.6	39.9	35.2	31.3	26.1	40
48	-	-	-	42.2	41.8	40.6	41.1	34.3	31.1	28.0	24.0	48
56	-	-	-	26.1	33.5	33.6	33.4	30.3	27.1	25.2	22.0	56
64	-	-	-	-	27.3	28.3	27.2	27.1	24.1	22.4	19.8	64
72	-	-	-	-	20.4	23.7	22.4	22.8	21.4	20.1	17.9	72
80	-	-	-	-	-	19.8	19.9	19.4	19.2	18.2	16.3	80
88	-	-	-	-	-	13.5	17.5	16.6	16.4	15.8	15.0	88
96	-	-	-	-	-	-	15.3	14.8	14.1	14.1	13.5	96
104	-	-	-	-	-	-	12.9	13.0	12.1	12.2	11.7	104
112	-	-	-	-	-	-	-	-	11.2	10.5	9.8	112
120	-	-	-	-	-	-	-	-	9.0	9.2	8.5	120
128	-	-	-	-	-	-	-	-	-	7.9	7.3	128
136	-	-	-	-	-	-	-	-	-	6.9	6.2	136
144	-	-	-	-	-	-	-	-	-	-	5.1	144

* Capacity class

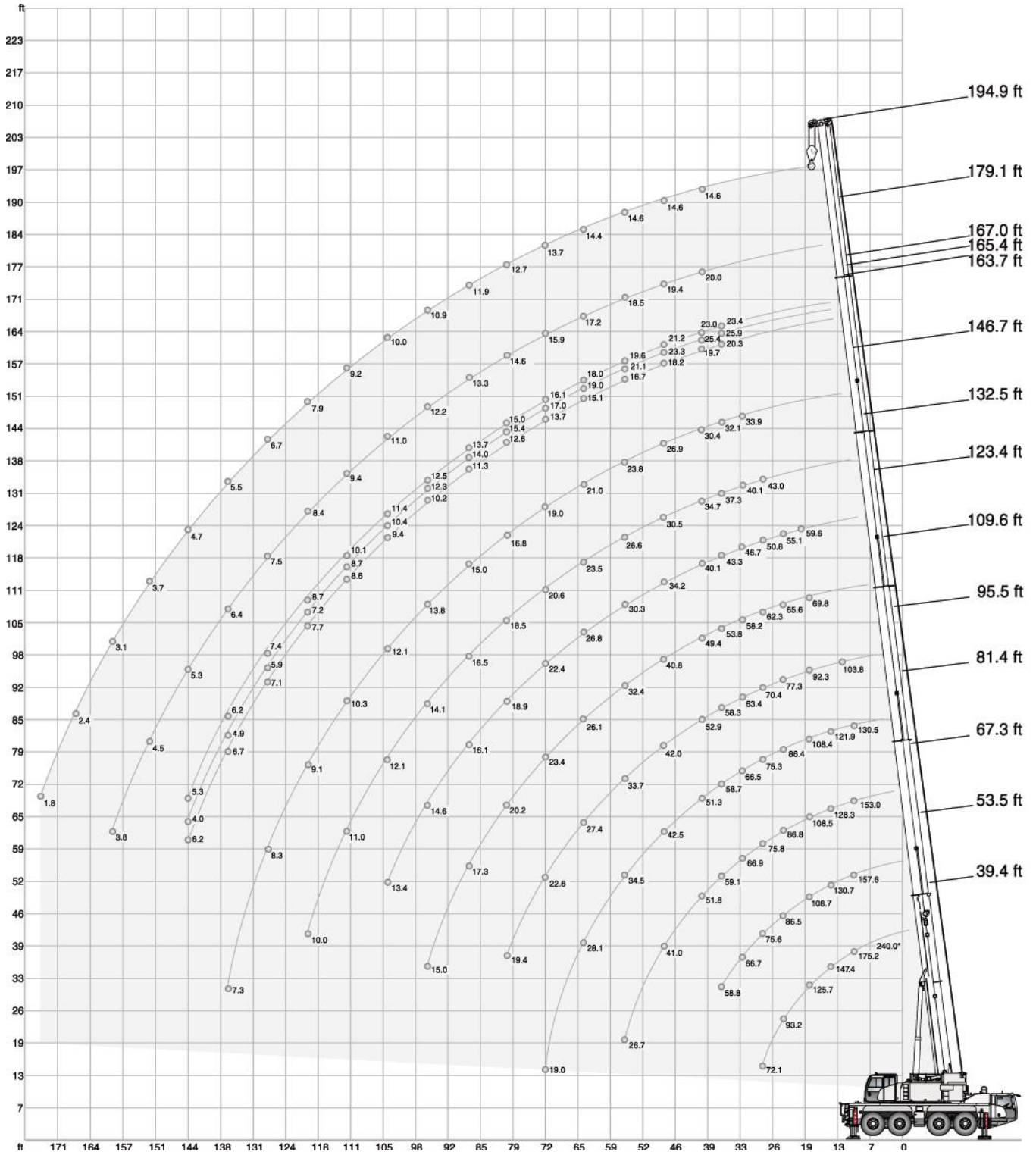
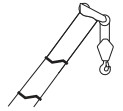
 44,500 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft		1,000 lb										ft
10		161.1	158.7	154.5	130.6	-	-	-	-	-	-	10
12		143.7	144.5	141.0	127.1	-	-	-	-	-	-	12
14		129.2	130.4	129.4	118.3	103.9	-	-	-	-	-	14
16		117.1	118.3	118.2	113.8	99.1	-	-	-	-	-	16
18		107.5	108.6	108.6	107.5	93.8	73.7	-	-	-	-	18
20		98.5	99.6	100.3	100.7	88.5	70.0	-	-	-	-	20
24		84.7	85.8	87.2	86.7	79.0	63.9	54.1	-	-	-	24
28		64.4	75.5	76.1	75.7	71.9	59.0	50.0	43.0	-	-	28
32		-	64.8	65.4	65.2	63.7	55.0	46.0	40.2	34.7	-	32
36		-	56.5	57.1	56.7	55.6	51.2	42.8	37.6	33.0	26.3	36
40		-	-	49.5	49.1	47.9	47.3	39.9	35.2	31.3	26.1	40
48		-	-	37.8	37.3	38.0	37.3	33.9	31.1	28.0	24.0	48
56		-	-	24.0	30.0	30.6	29.2	29.3	27.0	25.2	22.0	56
64		-	-	-	25.3	24.8	24.6	24.0	23.5	22.4	19.8	64
72		-	-	-	19.4	20.8	20.8	19.9	19.7	19.0	17.9	72
80		-	-	-	-	18.1	17.7	17.2	16.4	16.6	16.1	80
88		-	-	-	-	13.5	15.1	14.7	14.3	14.0	13.5	88
96		-	-	-	-	-	13.1	12.7	12.7	11.9	11.2	96
104		-	-	-	-	-	11.4	10.8	11.0	10.1	9.5	104
112		-	-	-	-	-	-	-	9.4	8.5	7.9	112
120		-	-	-	-	-	-	-	7.2	7.2	6.6	120
128		-	-	-	-	-	-	-	-	6.2	5.5	128
136		-	-	-	-	-	-	-	-	5.3	4.6	136
144		-	-	-	-	-	-	-	-	-	3.8	144

 31,300 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft		1,000 lb										ft
10		159.1	158.6	154.5	130.6	-	-	-	-	-	-	10
12		141.8	142.9	141.0	127.1	-	-	-	-	-	-	12
14		127.6	128.7	128.6	118.3	103.9	-	-	-	-	-	14
16		115.8	116.9	116.7	113.8	99.1	-	-	-	-	-	16
18		106.1	107.4	107.1	106.9	93.8	73.7	-	-	-	-	18
20		97.2	98.5	99.8	99.4	88.5	70.0	-	-	-	-	20
24		82.3	83.7	85.2	84.8	79.0	63.9	54.1	-	-	-	24
28		62.1	70.7	71.4	71.0	69.1	59.0	50.0	43.0	-	-	28
32		-	59.6	60.3	59.7	58.0	55.0	46.0	40.2	34.7	-	32
36		-	50.4	51.0	50.4	48.9	48.7	42.7	37.6	33.0	26.3	36
40		-	-	42.5	41.9	43.2	41.9	39.3	35.2	31.3	26.1	40
48		-	-	33.0	33.2	32.6	31.6	31.9	30.0	28.0	24.0	48
56		-	-	20.9	26.1	25.6	25.8	25.0	24.6	24.0	22.0	56
64		-	-	-	21.2	21.4	20.8	20.5	19.7	19.7	19.0	64
72		-	-	-	17.7	17.7	17.3	16.8	17.0	16.2	15.5	72
80		-	-	-	-	14.9	14.6	13.9	14.2	13.3	12.6	80
88		-	-	-	-	12.8	12.3	11.7	11.8	11.0	10.3	88
96		-	-	-	-	-	10.4	9.8	10.0	8.9	8.3	96
104		-	-	-	-	-	9.0	8.1	8.4	7.4	6.8	104
112		-	-	-	-	-	-	-	7.0	6.1	5.5	112
120		-	-	-	-	-	-	-	4.8	4.9	4.4	120
128		-	-	-	-	-	-	-	-	4.1	3.3	128
136		-	-	-	-	-	-	-	-	3.3	2.4	136
144		-	-	-	-	-	-	-	-	-	1.8	144

 19,800 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft						1,000 lb						ft
10	157.3	158.4	154.5	130.6	-	-	-	-	-	-	-	10
12	140.3	141.4	140.6	127.1	-	-	-	-	-	-	-	12
14	126.2	127.3	127.1	118.3	103.9	-	-	-	-	-	-	14
16	114.4	115.5	115.3	113.8	99.1	-	-	-	-	-	-	16
18	104.9	106.0	105.9	106.3	93.8	73.7	-	-	-	-	-	18
20	95.6	96.8	98.2	97.9	88.0	70.0	-	-	-	-	-	20
24	76.4	79.5	80.2	78.9	72.1	63.9	54.1	-	-	-	-	24
28	59.6	64.2	65.0	63.8	59.0	57.1	50.0	43.0	-	-	-	28
32	-	51.1	52.0	51.3	51.6	48.6	44.1	40.2	34.7	-	-	32
36	-	42.5	43.3	42.7	44.2	41.6	39.6	36.1	33.0	26.3	-	36
40	-	-	37.1	37.3	36.7	36.3	35.2	32.8	31.0	26.1	-	40
48	-	-	27.7	28.0	28.2	27.7	27.3	26.1	25.2	23.4	-	48
56	-	-	20.4	22.1	22.0	21.7	21.1	21.0	20.2	19.1	-	56
64	-	-	-	17.6	17.6	17.3	16.7	16.9	16.0	14.9	-	64
72	-	-	-	14.4	14.4	14.0	13.3	13.5	12.6	11.7	-	72
80	-	-	-	-	12.0	11.3	10.7	10.9	10.0	9.4	-	80
88	-	-	-	-	10.0	9.4	8.7	8.9	8.0	7.3	-	88
96	-	-	-	-	-	7.8	7.1	7.3	6.2	5.6	-	96
104	-	-	-	-	-	6.3	5.7	5.9	5.0	4.3	-	104
112	-	-	-	-	-	-	-	4.8	3.7	3.0	-	112
120	-	-	-	-	-	-	-	2.7	2.9	2.2	-	120
128	-	-	-	-	-	-	-	-	2.1	-	-	128

 13,400 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft						1,000 lb						ft
10	156.5	157.6	154.5	130.6	-	-	-	-	-	-	-	10
12	139.4	140.5	140.3	127.1	-	-	-	-	-	-	-	12
14	125.3	126.5	126.3	118.3	103.9	-	-	-	-	-	-	14
16	113.7	114.9	114.7	113.8	99.1	-	-	-	-	-	-	16
18	102.9	104.4	104.5	103.3	91.4	73.7	-	-	-	-	-	18
20	92.1	94.1	96.0	91.6	82.7	69.9	-	-	-	-	-	20
24	72.1	75.4	76.2	71.7	65.3	62.5	53.9	-	-	-	-	24
28	55.0	58.9	59.6	57.9	55.8	52.3	47.4	43.0	-	-	-	28
32	-	46.3	47.1	47.3	47.6	43.9	42.3	38.2	34.7	-	-	32
36	-	38.4	39.4	40.6	40.1	38.4	36.7	33.8	31.5	26.3	-	36
40	-	-	33.4	33.7	34.1	33.4	32.6	29.8	28.6	25.9	-	40
48	-	-	24.8	25.4	25.4	24.9	24.3	24.4	22.6	20.9	-	48
56	-	-	19.3	19.5	19.7	19.0	18.6	18.8	17.5	16.1	-	56
64	-	-	-	15.3	15.5	15.0	14.4	14.6	13.7	12.4	-	64
72	-	-	-	12.4	12.4	12.0	11.3	11.5	10.6	9.5	-	72
80	-	-	-	-	10.2	9.6	9.0	9.2	8.3	7.4	-	80
88	-	-	-	-	8.4	7.8	7.2	7.4	6.3	5.6	-	88
96	-	-	-	-	-	6.4	5.7	5.8	4.8	4.2	-	96
104	-	-	-	-	-	5.0	4.4	4.5	3.7	3.0	-	104
112	-	-	-	-	-	-	-	3.5	2.6	-	-	112

 9,900 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft						1,000 lb						ft
10		155.8	156.9	154.5	130.6	-	-	-	-	-	-	10
12		139.0	140.1	139.8	127.1	-	-	-	-	-	-	12
14		125.0	126.1	125.9	118.3	103.9	-	-	-	-	-	14
16		113.3	114.4	114.2	113.8	99.1	-	-	-	-	-	16
18		101.5	103.0	103.4	101.0	89.1	73.7	-	-	-	-	18
20		89.7	93.0	93.7	86.8	78.2	69.6	-	-	-	-	20
24		69.3	72.9	72.6	67.9	61.8	60.0	52.9	-	-	-	24
28		51.5	55.4	56.3	54.6	53.8	49.2	46.0	41.8	-	-	28
32		-	43.5	44.6	45.3	44.9	42.7	39.8	37.0	34.4	-	32
36		-	36.0	38.0	38.3	37.6	37.1	34.5	32.3	30.1	25.9	36
40		-	-	31.4	31.7	31.9	31.2	30.0	28.6	27.0	24.8	40
48		-	-	22.9	23.5	23.5	23.1	22.4	22.5	20.5	18.8	48
56		-	-	17.7	17.8	18.1	17.6	17.0	17.2	15.9	14.3	56
64		-	-	-	14.1	14.2	13.7	13.1	13.3	12.2	10.8	64
72		-	-	-	11.3	11.3	10.9	10.2	10.4	9.3	8.2	72
80		-	-	-	-	9.2	8.5	7.9	8.1	7.2	6.1	80
88		-	-	-	-	7.5	6.8	6.2	6.3	5.4	4.6	88
96		-	-	-	-	-	5.5	4.8	5.0	3.9	3.3	96
104		-	-	-	-	-	4.3	3.7	3.7	2.8	2.1	104
112		-	-	-	-	-	-	-	2.8	-	-	112



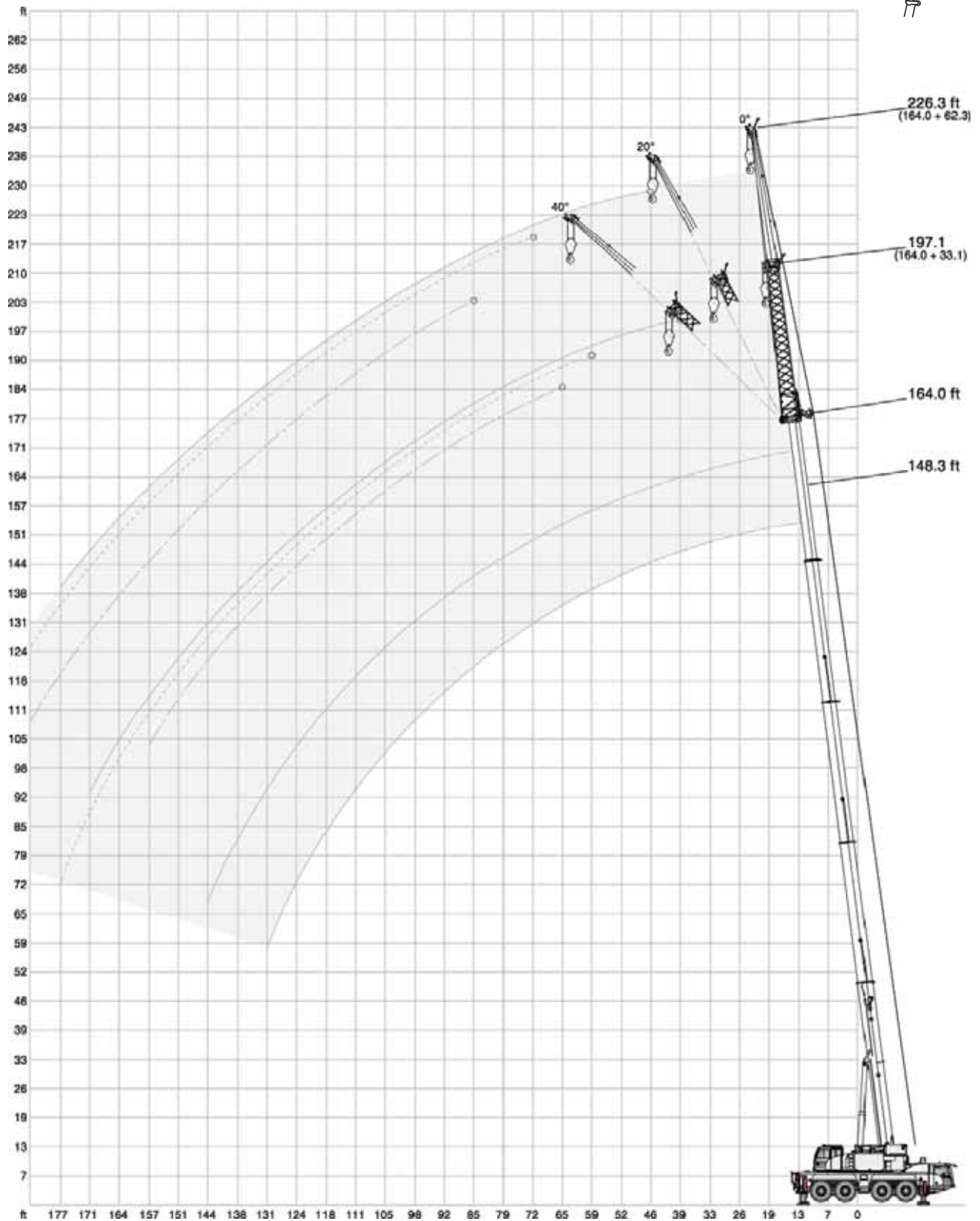
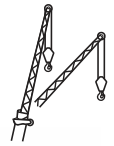
* Capacity class

 31,300 lb		 26.6 ft x 23.6 ft		360°		85 %										
 ft	 ft	39.4	53.5	67.3	81.4	95.5	109.6	123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	 ft
1,000 lb																
10		158.4	157.5	153.0	130.5	-	-	-	-	-	-	-	-	-	-	10
12		141.1	142.0	139.7	127.0	-	-	-	-	-	-	-	-	-	-	12
14		126.8	127.7	127.3	121.9	103.8	-	-	-	-	-	-	-	-	-	14
16		114.9	115.8	116.2	115.6	97.8	-	-	-	-	-	-	-	-	-	16
18		105.4	106.3	107.2	106.9	92.3	69.8	-	-	-	-	-	-	-	-	18
20		96.5	98.1	98.3	98.1	86.9	68.4	59.6	-	-	-	-	-	-	-	20
24		81.6	83.7	84.0	83.6	77.3	65.6	55.1	-	-	-	-	-	-	-	24
28		64.6	69.9	70.3	69.9	67.7	62.3	50.8	43.0	-	-	-	-	-	-	28
32		-	58.9	59.3	60.3	60.2	55.7	46.7	40.1	33.9	-	-	-	-	-	32
36		-	49.7	50.0	51.9	51.1	48.1	43.1	37.3	32.1	20.3	25.9	23.4	-	-	36
40		-	-	43.4	43.4	42.5	41.0	39.3	34.7	30.4	19.7	25.4	23.0	20.0	14.6	40
48		-	-	32.7	32.5	31.9	31.2	31.6	29.0	26.9	18.2	23.3	21.2	19.4	14.6	48
56		-	-	19.6	25.4	25.7	25.8	24.5	23.8	22.6	16.7	21.1	19.6	18.5	14.6	56
64		-	-	-	20.7	21.4	20.8	20.7	20.0	19.4	15.1	18.1	18.0	17.2	14.4	64
72		-	-	-	15.9	17.7	17.5	17.5	17.0	16.2	13.7	14.6	15.9	15.0	13.7	72
80		-	-	-	-	14.9	15.3	14.6	14.4	14.1	12.6	11.5	13.1	12.5	11.7	80
88		-	-	-	-	-	12.9	12.7	12.1	11.6	11.3	9.2	10.7	10.7	9.5	88
96		-	-	-	-	-	11.1	10.9	10.1	9.9	9.8	7.2	8.7	8.7	7.8	96
104		-	-	-	-	-	8.4	9.2	8.5	8.8	8.1	5.5	7.0	7.0	6.2	104
112		-	-	-	-	-	-	-	7.7	7.2	6.8	4.1	5.7	5.7	5.0	112
120		-	-	-	-	-	-	-	5.9	6.1	5.5	3.1	4.4	4.6	3.7	120
128		-	-	-	-	-	-	-	-	5.2	4.5	2.1	3.4	3.5	2.8	128
136		-	-	-	-	-	-	-	-	3.7	3.7	-	2.6	2.6	1.9	136
144		-	-	-	-	-	-	-	-	-	2.9	-	1.8	2.0	-	144

 19,800 lb		 26.6 ft x 23.6 ft										360°					85 %	
 ft	 ft	39.4	53.5	67.3	81.4	95.5	109.6	123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	 ft		
		1,000 lb																
10		156.7	157.3	153.0	130.5	-	-	-	-	-	-	-	-	-	-	10		
12		139.6	140.3	139.3	127.0	-	-	-	-	-	-	-	-	-	-	12		
14		125.5	126.3	126.0	121.9	103.8	-	-	-	-	-	-	-	-	-	14		
16		113.6	114.5	115.2	114.6	97.8	-	-	-	-	-	-	-	-	-	16		
18		104.2	105.0	106.0	105.6	92.3	69.8	-	-	-	-	-	-	-	-	18		
20		95.0	96.6	96.9	96.4	86.5	68.4	59.6	-	-	-	-	-	-	-	20		
24		76.2	78.9	79.3	77.7	70.7	64.8	55.1	-	-	-	-	-	-	-	24		
28		60.9	63.6	64.1	64.1	62.0	56.7	50.8	43.0	-	-	-	-	-	-	28		
32		-	50.7	53.0	53.4	51.9	47.5	44.3	40.1	33.9	-	-	-	-	-	32		
36		-	43.2	44.5	44.5	43.6	40.7	38.7	35.6	32.1	20.3	25.9	23.4	-	-	36		
40		-	-	36.9	36.9	36.0	35.6	35.0	32.0	30.1	19.7	25.4	23.0	20.0	14.6	40		
48		-	-	27.5	27.3	28.6	27.9	26.4	26.2	24.3	18.2	22.6	21.2	19.4	14.6	48		
56		-	-	16.8	22.2	22.3	21.5	21.9	20.8	20.5	16.7	17.8	19.0	17.7	14.6	56		
64		-	-	-	18.0	17.8	18.0	17.6	17.3	16.8	15.1	13.9	15.5	14.8	13.1	64		
72		-	-	-	14.8	15.0	14.6	14.6	14.0	13.5	13.5	10.7	12.2	12.0	10.4	72		
80		-	-	-	-	12.4	12.2	12.0	11.3	11.6	10.9	8.3	9.8	9.4	8.1	80		
88		-	-	-	-	-	10.0	9.9	10.0	9.5	8.8	6.2	7.7	7.6	6.3	88		
96		-	-	-	-	-	8.6	8.2	8.4	7.8	7.1	4.5	6.0	6.0	4.8	96		
104		-	-	-	-	-	7.2	6.8	7.0	6.3	5.7	3.0	4.6	4.6	3.5	104		
112		-	-	-	-	-	-	-	5.7	5.0	4.3	-	3.3	3.5	2.4	112		
120		-	-	-	-	-	-	-	3.8	4.0	3.3	-	2.4	2.5	-	120		
128		-	-	-	-	-	-	-	-	3.2	2.5	-	-	-	-	128		
136		-	-	-	-	-	-	-	-	1.7	1.9	-	-	-	-	136		

 13,400 lb		 26.6 ft x 23.6 ft		360°		85 %										
 ft	 ft	39.4	53.5	67.3	81.4	95.5	109.6	123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	 ft
		1,000 lb														
10		155.8	156.5	153.0	130.5	-	-	-	-	-	-	-	-	-	-	10
12		138.7	139.5	139.0	127.0	-	-	-	-	-	-	-	-	-	-	12
14		124.6	125.5	125.2	121.9	103.8	-	-	-	-	-	-	-	-	-	14
16		112.9	113.8	114.7	114.1	97.8	-	-	-	-	-	-	-	-	-	16
18		102.4	104.2	104.9	102.6	90.0	69.8	-	-	-	-	-	-	-	-	18
20		92.1	94.7	95.2	90.7	81.6	68.3	59.6	-	-	-	-	-	-	-	20
24		72.1	74.9	75.4	70.8	67.9	62.7	54.8	-	-	-	-	-	-	-	24
28		55.5	58.5	59.5	60.2	56.3	51.3	47.8	43.0	-	-	-	-	-	-	28
32		-	46.9	48.6	48.6	47.1	43.7	41.4	37.6	33.9	-	-	-	-	-	32
36		-	39.1	40.3	40.3	39.5	37.8	36.5	32.8	30.3	20.3	25.9	23.4	-	-	36
40		-	-	33.2	33.2	33.4	33.9	31.1	29.5	27.7	19.7	25.2	23.0	20.0	14.6	40
48		-	-	24.5	25.6	25.8	24.9	24.8	23.5	22.6	18.2	19.8	20.7	18.9	14.6	48
56		-	-	16.8	20.0	19.7	20.1	19.5	19.4	18.7	16.7	15.0	16.9	15.8	13.7	56
64		-	-	-	16.0	16.2	16.0	15.8	15.1	14.9	14.3	11.3	12.9	12.6	10.8	64
72		-	-	-	12.9	13.1	12.9	12.6	12.6	12.2	11.3	8.4	10.0	9.8	8.2	72
80		-	-	-	-	10.7	10.7	10.2	10.5	9.8	9.1	6.3	7.9	7.5	6.1	80
88		-	-	-	-	-	8.7	8.3	8.5	7.8	7.2	4.5	6.1	5.8	4.4	88
96		-	-	-	-	-	7.1	6.7	6.9	6.2	5.6	3.1	4.5	4.4	3.1	96
104		-	-	-	-	-	5.9	5.4	5.6	5.0	4.3	1.7	3.2	3.2	2.1	104
112		-	-	-	-	-	-	-	4.6	3.9	3.2	-	-	-	-	112
120		-	-	-	-	-	-	-	2.7	2.9	2.2	-	-	-	-	120
128		-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	128

 9,900 lb		 26.6 ft x 23.6 ft		360°		85 %										
 ft	 ft	39.4	53.5	67.3	81.4	95.5	109.6	123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	 ft
ft	1,000 lb															ft
10	155.1	156.0	153.0	130.5	-	-	-	-	-	-	-	-	-	-	-	10
12	138.1	139.0	138.7	127.0	-	-	-	-	-	-	-	-	-	-	-	12
14	124.2	125.1	124.8	121.9	103.8	-	-	-	-	-	-	-	-	-	-	14
16	112.5	113.3	114.4	113.8	97.8	-	-	-	-	-	-	-	-	-	-	16
18	101.1	103.1	103.6	99.9	87.8	69.8	-	-	-	-	-	-	-	-	-	18
20	89.9	92.5	92.8	85.7	77.1	68.0	59.6	-	-	-	-	-	-	-	-	20
24	69.5	72.3	71.9	68.7	65.1	59.0	53.8	-	-	-	-	-	-	-	-	24
28	52.0	54.9	57.7	56.8	53.1	48.1	45.3	41.5	-	-	-	-	-	-	-	28
32	-	44.2	45.8	45.6	44.2	41.8	39.4	35.7	33.1	-	-	-	-	-	-	32
36	-	36.5	38.0	37.9	37.0	36.3	34.0	31.0	28.6	20.3	25.4	23.4	-	-	-	36
40	-	-	31.2	31.2	32.5	31.7	30.0	28.3	26.0	19.7	23.9	22.9	20.0	14.6	-	40
48	-	-	22.7	24.1	23.9	23.7	23.7	22.9	21.5	18.2	17.7	19.6	18.2	14.6	-	48
56	-	-	16.8	18.5	18.6	18.6	18.5	17.8	17.1	16.1	13.3	15.0	14.6	12.8	-	56
64	-	-	-	14.6	14.8	14.6	14.4	14.2	14.0	12.8	9.9	11.5	11.0	9.4	-	64
72	-	-	-	11.7	12.0	11.9	11.5	11.7	11.1	10.0	7.1	8.7	8.4	6.9	-	72
80	-	-	-	-	9.7	9.6	9.2	9.4	8.7	7.9	5.0	6.6	6.4	4.8	-	80
88	-	-	-	-	-	7.8	7.4	7.6	7.0	6.3	3.5	5.0	4.7	3.3	-	88
96	-	-	-	-	-	6.2	5.8	6.0	5.3	4.8	2.2	3.6	3.4	2.1	-	96
104	-	-	-	-	-	5.0	4.5	4.8	4.1	3.5	-	2.4	2.3	-	-	104
112	-	-	-	-	-	-	-	3.7	3.0	2.4	-	-	-	-	-	112
120	-	-	-	-	-	-	-	2.0	2.2	-	-	-	-	-	-	120



 **55,600 lb**  **26.6 ft x 23.6 ft** **360°** **85 %**

 164.0 ft									
		33.1 ft			62.3 ft			ft	1,000 lb
		0°	20°	40°	0°	20°	40°		
40		14.8	-	-	-	-	-		
48		14.8	-	-	8.2	-	-		
56		14.8	-	-	8.2	-	-		
64		14.8	14.3	-	8.2	-	-		
72		13.9	13.5	12.6	8.2	-	-		
80		12.9	12.7	11.8	8.2	8.1	-		
88		12.0	11.9	11.3	8.2	7.9	7.2		
96		11.0	11.0	10.7	8.2	7.8	7.1		
104		10.2	10.4	10.2	8.0	7.5	6.9		
112		9.4	9.4	9.7	7.7	7.0	6.6		
120		7.8	8.5	8.8	7.2	6.8	6.3		
128		6.6	7.3	7.6	6.8	6.4	6.1		
136		5.5	6.0	6.4	6.0	6.0	6.0		
144		4.7	5.1	5.3	4.9	5.7	5.7		
152		3.9	4.1	4.3	4.1	5.0	5.4		
160		3.1	3.3	-	3.3	4.2	4.6		
168		2.4	2.6	-	2.6	3.3	3.8		
176		1.8	1.9	-	2.1	2.5	3.0		

 148.3 ft									
		33.1 ft			62.3 ft			ft	1,000 lb
		0°	20°	40°	0°	20°	40°		
40		18.9	-	-	10.1	-	-		
48		18.7	-	-	10.1	-	-		
56		18.3	17.7	-	10.1	-	-		
64		17.2	16.8	15.7	10.0	-	-		
72		15.9	15.7	15.4	9.7	9.0	-		
80		14.6	14.6	14.6	9.4	8.8	7.7		
88		13.3	13.4	13.5	9.2	8.5	7.5		
96		12.2	12.4	12.5	8.9	8.2	7.4		
104		11.2	11.4	11.6	8.6	8.2	7.3		
112		9.4	10.3	10.5	8.1	7.9	7.1		
120		8.6	8.7	9.1	7.8	7.6	7.0		
128		7.5	7.8	7.9	7.2	7.2	6.8		
136		6.4	6.9	7.1	6.3	6.9	6.7		
144		5.3	5.8	6.0	5.8	6.0	6.6		
152		4.5	4.7	-	4.8	5.4	5.6		
160		3.8	4.0	-	4.2	4.8	5.0		
168		-	-	-	3.5	4.0	4.2		
176		-	-	-	2.8	3.2	-		
184		-	-	-	2.2	2.6	-		

 137.1 ft									
		33.1 ft			62.3 ft			ft	1,000 lb
		0°	20°	40°	0°	20°	40°		
36		23.8	-	-	-	-	-		
40		23.5	-	-	11.9	-	-		
48		22.7	20.3	-	11.6	-	-		
56		21.2	19.5	16.9	11.3	-	-		
64		19.3	18.5	16.4	11.1	10.0	-		
72		17.5	17.2	15.9	10.6	9.7	-		
80		15.9	15.7	15.1	10.3	9.2	7.9		
88		14.4	14.4	14.4	10.0	8.9	7.7		
96		12.7	13.2	13.3	9.6	8.7	7.6		
104		11.6	11.7	12.1	9.3	8.4	7.3		
112		10.3	10.5	10.7	8.8	8.1	7.3		
120		8.7	9.3	9.6	8.3	7.9	7.2		
128		7.5	7.9	8.3	7.7	7.7	7.1		
136		6.4	6.9	-	6.9	7.3	7.1		
144		5.3	5.8	-	5.8	6.6	7.1		
152		4.6	-	-	5.0	5.6	6.0		
160		-	-	-	4.2	4.8	5.0		
168		-	-	-	3.5	4.0	-		
176		-	-	-	2.9	3.2	-		

 39.0 ft									
		33.1 ft			62.3 ft			ft	1,000 lb
		0°	20°	40°	0°	20°	40°		
10		29.1	-	-	19.8	-	-		
12		29.1	-	-	19.6	-	-		
14		29.1	-	-	19.3	-	-		
16		29.1	-	-	19.0	-	-		
18		29.1	28.7	-	18.9	-	-		
20		29.1	28.0	-	18.7	-	-		
24		28.9	26.0	-	17.9	-	-		
28		28.0	24.4	20.5	17.3	-	-		
32		26.9	23.0	19.4	16.5	-	-		
36		25.5	21.6	18.5	15.8	13.7	-		
40		24.0	20.3	17.8	15.1	12.9	-		
48		20.9	18.3	16.8	13.5	11.8	-		
56		18.3	16.9	-	12.1	10.7	9.2		
64		-	-	-	11.0	9.9	8.7		
72		-	-	-	9.9	9.1	8.2		
80		-	-	-	9.1	8.6	-		

 **44,500 lb**  **26.6 ft x 23.6 ft** **360°** **85 %**

 164.0 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		14.8	-	-	-	-	-		
48		14.8	-	-	8.2	-	-		
56		14.8	-	-	8.2	-	-		
64		14.8	14.3	-	8.2	-	-		
72		13.9	13.5	12.6	8.2	-	-		
80		12.9	12.7	11.8	8.2	8.1	-		
88		12.0	11.9	11.3	8.2	7.9	7.2		
96		10.6	11.0	10.7	8.2	7.8	7.1		
104		8.8	9.7	10.2	8.0	7.5	6.9		
112		7.4	8.1	8.7	7.6	7.0	6.6		
120		6.1	6.7	7.2	6.4	6.8	6.3		
128		4.8	5.5	5.9	5.3	6.3	6.1		
136		3.9	4.4	4.9	4.2	5.3	6.0		
144		3.1	3.6	3.8	3.3	4.4	5.1		
152		2.3	2.8	3.0	2.6	3.4	4.1		
160		-	2.0	-	2.0	2.6	3.3		
168		-	-	-	-	1.9	2.5		
176		-	-	-	-	-	1.7		

 148.3 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		18.9	-	-	10.1	-	-		
48		18.7	-	-	10.1	-	-		
56		18.3	17.7	-	10.1	-	-		
64		17.2	16.8	15.7	10.0	-	-		
72		15.9	15.7	15.4	9.7	9.0	-		
80		14.6	14.6	14.6	9.4	8.8	7.7		
88		12.9	13.4	13.5	9.2	8.5	7.5		
96		11.1	11.8	12.3	8.9	8.2	7.4		
104		9.7	10.1	10.4	8.6	8.2	7.3		
112		8.1	8.9	9.2	7.9	7.9	7.1		
120		6.8	7.4	7.8	7.1	7.5	7.0		
128		5.7	6.2	6.5	6.2	6.6	6.8		
136		4.8	5.1	5.3	5.1	5.9	6.2		
144		3.8	4.2	4.4	4.2	5.1	5.5		
152		3.2	3.4	-	3.4	4.1	4.7		
160		2.5	2.6	-	2.7	3.4	3.7		
168		-	-	-	2.2	2.7	2.9		
176		-	-	-	-	2.1	-		

 137.1 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
36		23.8	-	-	-	-	-		
40		23.5	-	-	11.9	-	-		
48		22.7	20.3	-	11.6	-	-		
56		21.2	19.5	16.9	11.3	-	-		
64		19.3	18.5	16.4	11.1	10.0	-		
72		17.5	17.2	15.9	10.6	9.7	-		
80		15.4	15.6	15.1	10.3	9.2	7.9		
88		13.5	13.7	14.1	10.0	8.9	7.7		
96		11.6	12.3	12.6	9.6	8.7	7.6		
104		9.7	10.4	11.0	9.1	8.4	7.3		
112		8.1	8.7	9.2	8.5	8.1	7.3		
120		6.8	7.4	7.8	7.2	7.7	7.2		
128		5.7	6.2	6.5	6.2	7.0	7.1		
136		4.8	5.1	-	5.1	6.0	6.6		
144		4.0	4.2	-	4.2	5.1	5.6		
152		3.2	-	-	3.5	4.1	4.5		
160		-	-	-	2.8	3.4	3.7		
168		-	-	-	2.2	2.7	-		
176		-	-	-	1.6	2.1	-		

 39.0 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
10		29.1	-	-	19.8	-	-		
12		29.1	-	-	19.6	-	-		
14		29.1	-	-	19.3	-	-		
16		29.1	-	-	19.0	-	-		
18		29.1	28.7	-	18.9	-	-		
20		29.1	28.0	-	18.7	-	-		
24		28.9	26.0	-	17.9	-	-		
28		28.0	24.4	20.5	17.3	-	-		
32		26.9	23.0	19.4	16.5	-	-		
36		25.5	21.6	18.5	15.8	13.7	-		
40		24.0	20.3	17.8	15.1	12.9	-		
48		20.9	18.3	16.8	13.5	11.8	-		
56		18.3	16.9	-	12.1	10.7	9.2		
64		-	-	-	11.0	9.9	8.7		
72		-	-	-	9.9	9.1	8.2		
80		-	-	-	9.1	8.6	-		

 **31,300 lb**  **26.6 ft x 23.6 ft** **360°** **85 %**

 164.0 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		14.8	-	-	-	-	-		
48		14.8	-	-	8.2	-	-		
56		14.8	-	-	8.2	-	-		
64		14.8	14.3	-	8.2	-	-		
72		13.9	13.5	12.6	8.2	-	-		
80		11.7	12.5	11.8	8.2	8.1	-		
88		9.5	10.7	11.1	8.2	7.9	7.2		
96		7.8	8.7	9.6	7.5	7.8	7.1		
104		6.3	7.2	7.9	6.1	7.5	6.9		
112		4.8	5.7	6.3	4.8	6.3	6.6		
120		3.7	4.4	5.0	3.8	5.3	6.2		
128		2.8	3.3	3.7	3.0	4.2	5.3		
136		1.9	2.4	2.8	2.2	3.3	4.2		
144		-	1.6	1.8	-	2.5	3.1		
152		-	-	-	-	-	2.3		

 148.3 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		18.9	-	-	10.1	-	-		
48		18.7	-	-	10.1	-	-		
56		18.3	17.7	-	10.1	-	-		
64		17.2	16.8	15.7	10.0	-	-		
72		15.0	15.7	15.4	9.7	9.0	-		
80		12.9	13.7	14.4	9.4	8.8	7.7		
88		10.7	11.5	12.0	9.2	8.5	7.5		
96		8.7	9.6	10.2	8.6	8.2	7.4		
104		7.0	7.9	8.6	7.4	8.2	7.3		
112		5.7	6.5	7.0	6.1	7.0	7.1		
120		4.6	5.3	5.6	5.0	6.1	6.7		
128		3.6	4.2	4.4	4.0	5.1	5.7		
136		2.7	3.1	3.3	3.0	4.0	4.8		
144		2.0	2.2	2.5	2.2	3.1	3.8		
152		-	-	-	-	2.4	2.8		
160		-	-	-	-	-	2.0		

 137.1 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
36		23.8	-	-	-	-	-		
40		23.5	-	-	11.9	-	-		
48		22.7	20.3	-	11.6	-	-		
56		21.2	19.5	16.9	11.3	-	-		
64		18.3	18.5	16.4	11.1	10.0	-		
72		15.9	16.2	15.9	10.6	9.7	-		
80		13.1	14.2	14.3	10.3	9.2	7.9		
88		10.7	11.8	12.5	9.8	8.9	7.7		
96		8.7	9.6	10.4	9.1	8.7	7.6		
104		7.0	7.9	8.4	7.7	8.2	7.3		
112		5.7	6.3	6.8	6.3	7.6	7.3		
120		4.6	5.2	5.5	5.0	6.3	6.9		
128		3.6	4.1	4.4	4.1	5.1	5.8		
136		2.8	3.1	-	3.1	4.1	4.7		
144		2.0	2.2	-	2.4	3.1	3.8		
152		-	-	-	-	2.4	2.8		
160		-	-	-	-	-	2.0		

 39.0 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
10		29.1	-	-	19.8	-	-		
12		29.1	-	-	19.6	-	-		
14		29.1	-	-	19.3	-	-		
16		29.1	-	-	19.0	-	-		
18		29.1	28.7	-	18.9	-	-		
20		29.1	28.0	-	18.7	-	-		
24		28.9	26.0	-	17.9	-	-		
28		28.0	24.4	20.5	17.3	-	-		
32		26.9	23.0	19.4	16.5	-	-		
36		25.5	21.6	18.5	15.8	13.7	-		
40		24.0	20.3	17.8	15.1	12.9	-		
48		20.9	18.3	16.8	13.5	11.8	-		
56		18.3	16.9	-	12.1	10.7	9.2		
64		-	-	-	11.0	9.9	8.7		
72		-	-	-	9.9	9.1	8.2		
80		-	-	-	9.1	8.6	-		

19,800 lb				26.6 ft x 23.6 ft				360°				85 %			
164.0 ft															
		33.1 ft			62.3 ft					33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°
ft		1,000 lb													
40		14.8	-	-	-	-	-			18.9	-	-	10.1	-	-
48		14.8	-	-	8.2	-	-			18.7	-	-	10.1	-	-
56		14.8	-	-	8.2	-	-			17.3	17.7	-	10.1	-	-
64		13.3	14.3	-	8.2	-	-			14.9	15.8	15.7	10.0	-	-
72		10.4	12.0	12.6	8.2	-	-			12.0	13.5	13.9	9.7	9.0	-
80		8.1	9.4	10.6	7.9	8.1	-			9.6	10.9	11.8	9.0	8.8	7.7
88		6.3	7.5	8.4	6.1	7.7	7.2			7.6	8.6	9.6	7.4	8.4	7.5
96		4.8	5.8	6.7	4.6	6.4	7.1			6.0	6.9	7.6	5.9	7.6	7.4
104		3.5	4.4	5.2	3.3	5.0	6.5			4.6	5.5	5.9	4.6	6.2	6.9
112		2.4	3.2	3.9	2.4	3.9	5.2			3.5	4.1	4.6	3.5	5.0	6.1
120		-	2.2	2.8	-	2.8	4.2			2.5	3.1	3.5	2.7	3.9	5.0
128		-	-	-	-	1.9	3.1			-	2.1	2.4	1.9	3.0	4.0
136		-	-	-	-	-	2.2			-	-	-	-	2.2	2.9
										-	-	-	-	-	2.0

137.1 ft											
 											
33.1 ft 62.3 ft											
0° 20° 40° 0° 20° 40°											
ft 1,000 lb											
36	23.8	-	-	-	-	-	-	-	-	-	-
40	23.5	-	-	11.9	-	-	-	-	-	-	-
48	22.0	20.3	-	11.6	-	-	-	-	-	-	-
56	18.9	19.0	16.9	11.3	-	-	-	-	-	-	-
64	15.5	16.8	16.4	11.1	10.0	-	-	-	-	-	-
72	12.4	13.7	14.8	10.6	9.7	-	-	-	-	-	-
80	9.8	11.1	12.0	9.6	9.2	7.9	-	-	-	-	-
88	7.7	8.8	9.6	7.8	8.7	7.7	-	-	-	-	-
96	6.0	6.9	7.6	6.2	7.9	7.6	-	-	-	-	-
104	4.6	5.5	5.9	5.0	6.6	7.3	-	-	-	-	-
112	3.5	4.1	4.6	3.9	5.2	6.3	-	-	-	-	-
120	2.5	3.1	3.5	2.9	4.2	5.0	-	-	-	-	-
128	-	2.1	2.4	2.1	3.1	4.0	-	-	-	-	-
136	-	-	-	-	2.2	2.9	-	-	-	-	-
144	-	-	-	-	-	2.0	-	-	-	-	-

39.0 ft											
 											
33.1 ft 62.3 ft											
0° 20° 40° 0° 20° 40°											
ft 1,000 lb											
10	29.1	-	-	19.8	-	-	-	-	-	-	-
12	29.1	-	-	19.6	-	-	-	-	-	-	-
14	29.1	-	-	19.3	-	-	-	-	-	-	-
16	29.1	-	-	19.0	-	-	-	-	-	-	-
18	29.1	28.7	-	18.9	-	-	-	-	-	-	-
20	29.1	28.0	-	18.7	-	-	-	-	-	-	-
24	28.9	26.0	-	17.9	-	-	-	-	-	-	-
28	28.0	24.4	20.5	17.3	-	-	-	-	-	-	-
32	26.9	23.0	19.4	16.5	-	-	-	-	-	-	-
36	25.5	21.6	18.5	15.8	13.7	-	-	-	-	-	-
40	24.0	20.3	17.8	15.1	12.9	-	-	-	-	-	-
48	20.9	18.3	16.8	13.5	11.8	-	-	-	-	-	-
56	18.3	16.9	-	12.1	10.7	9.2	-	-	-	-	-
64	-	-	-	11.0	9.9	8.7	-	-	-	-	-
72	-	-	-	9.9	9.1	8.2	-	-	-	-	-
80	-	-	-	9.1	8.6	-	-	-	-	-	-

 **13,400 lb**  **26.6 ft x 23.6 ft** **360°** **85 %**

 164.0 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		14.8	-	-	-	-	-		
48		14.8	-	-	8.2	-	-		
56		13.8	-	-	8.2	-	-		
64		11.0	12.8	-	8.2	-	-		
72		8.2	9.8	11.1	7.7	-	-		
80		6.1	7.4	8.7	5.9	7.9	-		
88		4.5	5.6	6.7	4.2	6.4	7.2		
96		3.2	4.2	5.1	3.0	4.8	6.5		
104		2.1	3.0	3.7	1.9	3.7	5.2		
112		-	-	2.6	-	2.6	3.9		
120		-	-	-	-	-	2.8		

 148.3 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		18.9	-	-	10.1	-	-		
48		18.2	-	-	10.1	-	-		
56		15.9	16.8	-	10.1	-	-		
64		12.6	14.0	14.7	10.0	-	-		
72		9.8	11.1	12.4	9.5	9.0	-		
80		7.6	8.7	9.8	7.4	8.7	7.7		
88		5.8	7.0	7.8	5.6	7.6	7.5		
96		4.4	5.3	6.2	4.3	6.0	7.1		
104		3.2	4.1	4.8	3.2	4.8	6.1		
112		-	3.0	3.5	2.2	3.7	4.8		
120		-	-	2.4	-	2.7	3.7		
128		-	-	-	-	-	2.8		
136		-	-	-	-	-	1.9		

 137.1 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
36		23.8	-	-	-	-	-		
40		23.4	-	-	11.9	-	-		
48		20.3	20.1	-	11.6	-	-		
56		16.5	17.9	16.9	11.3	-	-		
64		13.0	14.6	15.5	11.1	10.0	-		
72		10.0	11.5	12.9	9.9	9.7	-		
80		7.9	9.1	10.2	7.9	9.0	7.9		
88		6.1	7.2	8.0	6.1	8.0	7.7		
96		4.6	5.6	6.2	4.6	6.4	7.5		
104		3.3	4.1	4.6	3.4	5.0	6.4		
112		-	2.8	3.2	2.6	3.9	5.0		
120		-	-	2.2	-	2.9	3.9		
128		-	-	-	-	2.1	2.9		
136		-	-	-	-	-	1.9		

 39.0 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
10		29.1	-	-	19.8	-	-		
12		29.1	-	-	19.6	-	-		
14		29.1	-	-	19.3	-	-		
16		29.1	-	-	19.0	-	-		
18		29.1	28.7	-	18.9	-	-		
20		29.1	28.0	-	18.7	-	-		
24		28.9	26.0	-	17.9	-	-		
28		28.0	24.4	20.5	17.3	-	-		
32		26.9	23.0	19.4	16.5	-	-		
36		25.5	21.6	18.5	15.8	13.7	-		
40		24.0	20.3	17.8	15.1	12.9	-		
48		20.9	18.3	16.8	13.5	11.8	-		
56		18.3	16.9	-	12.1	10.7	9.2		
64		-	-	-	11.0	9.9	8.7		
72		-	-	-	9.9	9.1	8.2		
80		-	-	-	9.1	8.6	-		

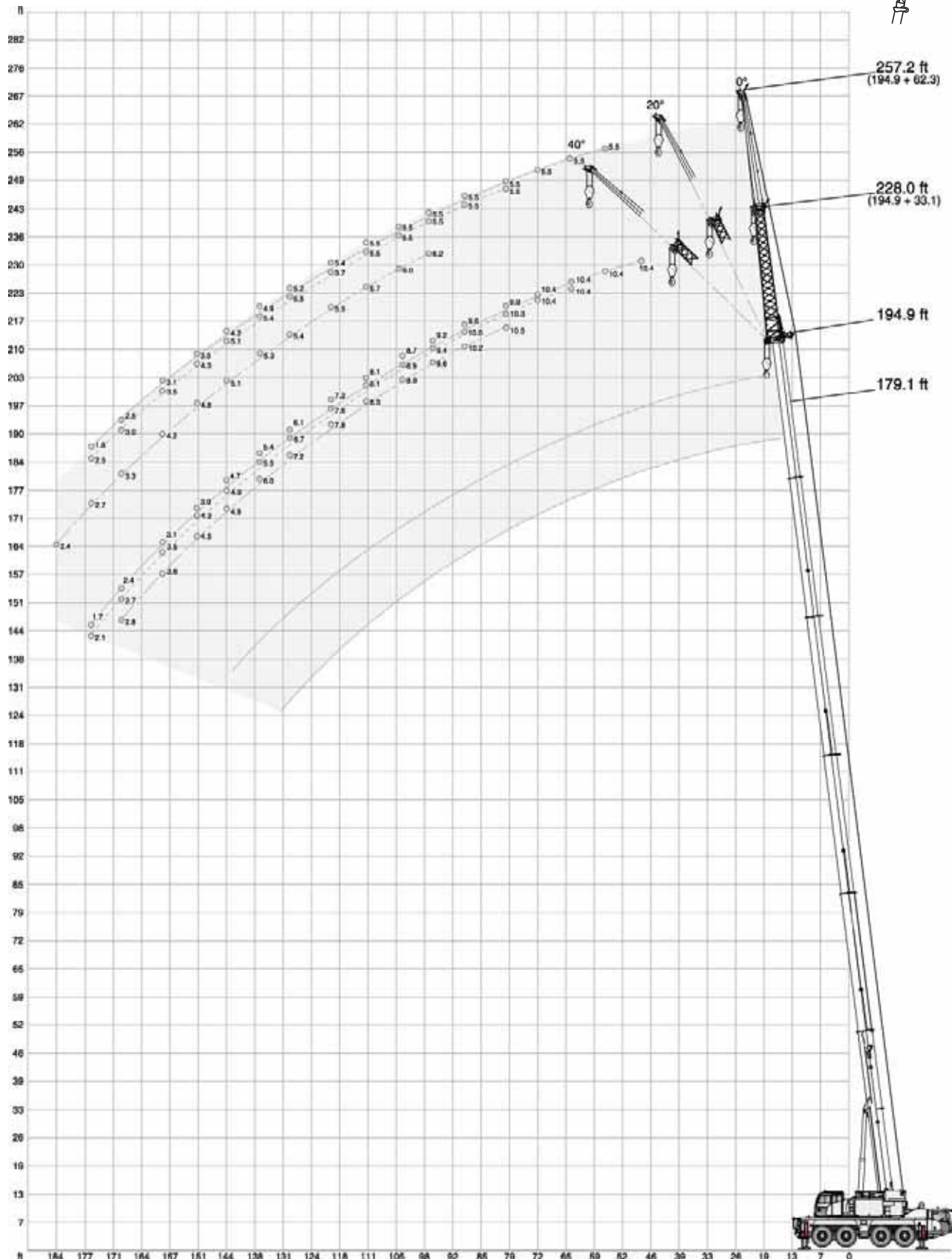
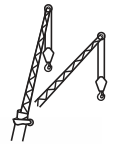
9,900 lb **26.6 ft x 23.6 ft** **360°** **85 %**

164.0 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		14.8	-	-	-	-	-		
48		14.7	-	-	8.2	-	-		
56		12.9	-	-	8.2	-	-		
64		9.5	11.3	-	8.2	-	-		
72		6.9	8.4	9.8	6.7	-	-		
80		5.0	6.3	7.6	4.6	7.2	-		
88		3.5	4.6	5.6	3.3	5.4	7.0		
96		2.2	3.3	4.2	2.1	3.9	5.8		
104		-	2.1	2.8	-	2.8	4.4		
112		-	-	-	-	-	3.0		

148.3 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		18.9	-	-	10.1	-	-		
48		17.6	-	-	10.1	-	-		
56		14.7	15.5	-	10.1	-	-		
64		11.1	12.8	13.5	9.8	-	-		
72		8.4	9.8	11.1	8.2	9.0	-		
80		6.4	7.6	8.7	6.1	8.5	7.7		
88		4.8	5.8	6.7	4.6	6.6	7.4		
96		3.5	4.4	5.3	3.4	5.0	6.6		
104		2.3	3.2	3.9	2.3	3.9	5.2		
112		-	-	2.6	-	2.8	4.1		
120		-	-	-	-	-	3.1		
128		-	-	-	-	-	2.1		

137.1 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
36		23.8	-	-	-	-	-		
40		23.2	-	-	11.9	-	-		
48		19.3	19.5	-	11.6	-	-		
56		14.9	16.8	16.5	11.3	-	-		
64		11.5	13.2	14.5	10.6	10.0	-		
72		8.9	10.2	11.5	8.7	9.7	-		
80		6.8	7.9	8.9	6.6	8.7	7.9		
88		5.1	6.1	7.0	5.1	7.0	7.6		
96		3.7	4.6	5.3	3.7	5.5	6.9		
104		2.6	3.3	3.9	2.6	4.1	5.5		
112		-	-	2.6	-	3.0	4.3		
120		-	-	-	-	2.2	3.3		
128		-	-	-	-	-	2.2		

39.0 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
10		29.1	-	-	19.8	-	-		
12		29.1	-	-	19.6	-	-		
14		29.1	-	-	19.3	-	-		
16		29.1	-	-	19.0	-	-		
18		29.1	28.7	-	18.9	-	-		
20		29.1	28.0	-	18.7	-	-		
24		28.9	26.0	-	17.9	-	-		
28		28.0	24.4	20.5	17.3	-	-		
32		26.9	23.0	19.4	16.5	-	-		
36		25.5	21.6	18.5	15.8	13.7	-		
40		24.0	20.3	17.8	15.1	12.9	-		
48		20.9	18.3	16.8	13.5	11.8	-		
56		18.0	16.9	-	12.1	10.7	9.2		
64		-	-	-	11.0	9.9	8.7		
72		-	-	-	9.9	9.1	8.2		
80		-	-	-	9.1	8.6	-		



55,600 lb **26.6 ft x 23.6 ft** **360°** **85 %**

194.9 ft

ft	33.1 ft			62.3 ft		
	0°	20°	40°	0°	20°	40°
	1,000 lb					
48	7.3	-	-	-	-	-
56	7.3	-	-	3.7	-	-
64	7.3	7.5	-	3.7	-	-
72	7.3	7.5	-	3.7	-	-
80	7.3	7.5	7.9	3.7	3.7	-
88	7.2	7.4	7.5	3.7	3.7	-
96	7.1	7.1	7.1	3.7	3.7	-
104	6.9	6.7	6.7	3.7	3.7	4.2
112	6.6	6.4	6.4	3.7	3.7	4.2
120	6.3	6.0	6.0	3.7	3.7	4.2
128	5.7	5.6	5.6	3.7	3.7	4.1
136	4.9	5.4	5.4	3.6	3.7	3.8
144	3.8	4.5	4.9	3.3	3.5	3.5
152	3.0	3.4	3.9	3.0	3.5	3.3
160	2.2	2.6	3.0	2.3	3.1	3.2
168	-	1.9	2.2	-	2.6	3.0
176	-	-	-	-	1.9	2.3

179.1 ft

ft	33.1 ft			62.3 ft		
	0°	20°	40°	0°	20°	40°
	1,000 lb					
48	10.4	-	-	5.5	-	-
56	10.4	-	-	5.5	-	-
64	10.4	10.4	-	5.5	-	-
72	10.4	10.4	-	5.5	-	-
80	9.9	10.3	10.5	5.5	5.5	-
88	9.6	10.0	10.2	5.5	5.5	-
96	9.2	9.4	9.6	5.5	5.5	6.2
104	8.7	8.9	8.9	5.5	5.5	6.0
112	8.1	8.1	8.3	5.5	5.5	5.7
120	7.2	7.6	7.8	5.4	5.5	5.5
128	6.1	6.7	7.2	5.2	5.5	5.4
136	5.4	5.5	6.0	4.9	5.4	5.3
144	4.7	4.9	4.9	4.2	5.1	5.1
152	3.9	4.3	4.5	3.5	4.3	4.8
160	3.1	3.5	3.6	3.1	3.5	4.2
168	2.4	2.7	2.8	2.5	3.0	3.3
176	1.7	2.1	-	1.8	2.5	2.7
184	-	-	-	-	-	2.4

163.7 ft

ft	33.1 ft			62.3 ft		
	0°	20°	40°	0°	20°	40°
	1,000 lb					
40	13.9	-	-	-	-	-
48	13.9	-	-	7.7	-	-
56	13.8	13.9	-	7.7	-	-
64	13.5	13.6	-	7.7	-	-
72	12.8	13.0	13.2	7.7	-	-
80	12.0	12.4	12.4	7.5	7.5	-
88	11.2	11.4	11.6	7.4	7.5	-
96	10.4	10.5	10.7	7.3	7.5	7.1
104	9.6	9.6	9.8	7.3	7.3	6.9
112	8.3	8.8	9.0	6.8	7.0	6.8
120	7.5	7.7	8.1	6.5	6.8	6.6
128	6.7	7.1	7.2	5.8	6.6	6.6
136	5.8	6.2	6.5	5.1	6.1	6.3
144	4.7	5.1	5.4	4.9	5.1	5.8
152	4.1	4.3	4.5	4.1	4.6	4.7
160	3.7	3.7	-	3.3	4.2	4.5
168	3.3	3.4	-	2.7	3.3	3.8
176	2.7	2.8	-	2.5	2.5	3.0
184	-	-	-	2.2	2.2	-
192	-	-	-	-	2.1	-

39.4 ft

ft	33.1 ft			62.3 ft		
	0°	20°	40°	0°	20°	40°
	1,000 lb					
10	29.1	-	-	19.2	-	-
12	29.1	-	-	19.1	-	-
14	29.1	-	-	18.8	-	-
16	29.1	-	-	18.6	-	-
18	29.1	28.7	-	18.4	-	-
20	29.1	28.0	-	18.2	-	-
24	28.9	26.0	-	17.5	-	-
28	28.0	24.4	20.3	17.0	-	-
32	26.9	22.8	19.3	16.3	-	-
36	25.5	21.5	18.5	15.6	13.6	-
40	24.0	20.3	17.8	14.9	12.9	-
48	20.9	18.3	16.8	13.3	11.6	-
56	18.3	17.1	-	12.1	10.7	9.2
64	-	-	-	11.0	9.9	8.7
72	-	-	-	9.9	9.1	8.2
80	-	-	-	9.1	8.6	-

 **44,500 lb**  **26.6 ft x 23.6 ft** **360°** **85 %**

 194.9 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
48		7.3	-	-	-	-	-		
56		7.3	-	-	3.7	-	-		
64		7.3	7.5	-	3.7	-	-		
72		7.3	7.5	-	3.7	-	-		
80		7.3	7.5	7.9	3.7	3.7	-		
88		7.2	7.4	7.5	3.7	3.7	-		
96		7.1	7.1	7.1	3.7	3.7	-		
104		6.9	6.7	6.7	3.7	3.7	4.2		
112		6.3	6.4	6.4	3.7	3.7	4.2		
120		5.0	5.9	6.0	3.7	3.7	4.2		
128		4.1	4.8	5.4	3.5	3.7	4.1		
136		3.1	3.8	4.3	2.8	3.7	3.8		
144		2.2	2.9	3.3	2.0	3.3	3.5		
152		-	-	2.3	-	2.5	3.2		
160		-	-	-	-	-	2.6		
168		-	-	-	-	-	1.9		

 179.1 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
48		10.4	-	-	5.5	-	-		
56		10.4	-	-	5.5	-	-		
64		10.4	10.4	-	5.5	-	-		
72		10.4	10.4	-	5.5	-	-		
80		9.9	10.3	10.5	5.5	5.5	-		
88		9.6	10.0	10.2	5.5	5.5	-		
96		9.2	9.4	9.6	5.5	5.5	6.2		
104		8.3	8.9	8.9	5.5	5.5	6.0		
112		6.8	7.6	8.3	5.5	5.5	5.7		
120		6.1	6.3	6.9	5.3	5.5	5.5		
128		5.1	5.5	5.6	4.3	5.4	5.4		
136		4.0	4.7	4.9	3.8	4.7	5.3		
144		3.1	3.6	4.0	3.3	3.8	4.7		
152		2.3	2.8	3.0	2.5	3.2	3.6		
160		-	2.0	2.3	-	2.6	3.1		
168		-	-	-	-	1.9	2.5		
176		-	-	-	-	-	1.8		

 163.7 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		13.9	-	-	-	-	-		
48		13.9	-	-	7.7	-	-		
56		13.8	13.9	-	7.7	-	-		
64		13.5	13.6	-	7.7	-	-		
72		12.8	13.0	13.2	7.7	-	-		
80		12.0	12.4	12.4	7.5	7.5	-		
88		11.2	11.4	11.6	7.4	7.5	-		
96		9.8	10.5	10.7	7.3	7.5	7.1		
104		8.9	9.0	9.6	7.3	7.3	6.9		
112		7.4	8.3	8.3	6.6	7.0	6.8		
120		6.1	7.0	7.4	5.7	6.6	6.6		
128		5.5	5.7	6.1	5.2	5.7	6.4		
136		4.8	5.0	5.0	4.2	5.2	5.5		
144		4.0	4.4	4.6	3.5	4.4	4.9		
152		3.2	3.6	3.9	3.2	3.6	4.3		
160		2.6	2.8	-	2.7	3.0	3.3		
168		1.9	2.2	-	2.2	2.7	2.7		
176		-	-	-	-	2.1	2.5		

 39.4 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
10		29.1	-	-	19.2	-	-		
12		29.1	-	-	19.1	-	-		
14		29.1	-	-	18.8	-	-		
16		29.1	-	-	18.6	-	-		
18		29.1	28.7	-	18.4	-	-		
20		29.1	28.0	-	18.2	-	-		
24		28.9	26.0	-	17.5	-	-		
28		28.0	24.4	20.3	17.0	-	-		
32		26.9	22.8	19.3	16.3	-	-		
36		25.5	21.5	18.5	15.6	13.6	-		
40		24.0	20.3	17.8	14.9	12.9	-		
48		20.9	18.3	16.8	13.3	11.6	-		
56		18.3	17.1	-	12.1	10.7	9.2		
64		-	-	-	11.0	9.9	8.7		
72		-	-	-	9.9	9.1	8.2		
80		-	-	-	9.1	8.6	-		

31,300 lb **26.6 ft x 23.6 ft** **360°** **85 %**

194.9 ft

		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
48		7.3	-	-	-	-	-
56		7.3	-	-	3.7	-	-
64		7.3	7.5	-	3.7	-	-
72		7.3	7.5	-	3.7	-	-
80		7.3	7.5	7.9	3.7	3.7	-
88		7.2	7.4	7.5	3.7	3.7	-
96		6.2	7.0	7.1	3.7	3.7	-
104		4.8	5.9	6.7	3.7	3.7	4.2
112		3.7	4.6	5.2	3.2	3.7	4.2
120		2.6	3.5	4.2	2.2	3.6	4.2
128		-	2.5	3.1	-	2.8	4.0
136		-	-	2.2	-	1.9	3.1
144		-	-	-	-	-	2.2

179.1 ft

		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
48		10.4	-	-	5.5	-	-
56		10.4	-	-	5.5	-	-
64		10.4	10.4	-	5.5	-	-
72		10.4	10.4	-	5.5	-	-
80		9.8	10.3	10.5	5.5	5.5	-
88		8.6	9.7	10.2	5.5	5.5	-
96		7.4	8.1	8.9	5.5	5.5	6.2
104		6.1	6.9	7.3	4.9	5.5	6.0
112		4.8	5.7	6.1	4.6	5.5	5.7
120		3.8	4.6	5.2	3.5	4.4	5.4
128		2.9	3.5	4.0	2.5	3.9	4.6
136		1.9	2.6	3.0	1.7	3.0	3.8
144		-	1.8	2.0	-	2.2	3.1
152		-	-	-	-	-	2.4

163.7 ft

		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
40		13.9	-	-	-	-	-
48		13.9	-	-	7.7	-	-
56		13.8	13.9	-	7.7	-	-
64		13.5	13.6	-	7.7	-	-
72		12.8	13.0	13.2	7.7	-	-
80		10.9	12.2	12.4	7.5	7.5	-
88		9.7	10.3	11.1	7.4	7.5	-
96		8.0	9.1	9.6	6.6	7.5	7.1
104		7.1	7.5	8.2	6.0	6.9	6.9
112		6.1	6.1	6.5	5.0	6.1	6.8
120		4.8	5.5	5.8	4.5	5.3	5.9
128		3.9	4.4	4.8	3.9	4.3	5.2
136		2.9	3.5	3.8	3.0	3.8	4.4
144		2.2	2.7	2.9	2.2	3.3	3.5
152		-	-	-	-	2.5	3.2
160		-	-	-	-	-	2.4

39.4 ft

		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
10		29.1	-	-	19.2	-	-
12		29.1	-	-	19.1	-	-
14		29.1	-	-	18.8	-	-
16		29.1	-	-	18.6	-	-
18		29.1	28.7	-	18.4	-	-
20		29.1	28.0	-	18.2	-	-
24		28.9	26.0	-	17.5	-	-
28		28.0	24.4	20.3	17.0	-	-
32		26.9	22.8	19.3	16.3	-	-
36		25.5	21.5	18.5	15.6	13.6	-
40		24.0	20.3	17.8	14.9	12.9	-
48		20.9	18.3	16.8	13.3	11.6	-
56		18.3	17.1	-	12.1	10.7	9.2
64		-	-	-	11.0	9.9	8.7
72		-	-	-	9.9	9.1	8.2
80		-	-	-	9.1	8.6	-

 **19,800 lb**  **26.6 ft x 23.6 ft** **360°** **85 %**

 194.9 ft									
		33.1 ft			62.3 ft			ft	1,000 lb
		0°	20°	40°	0°	20°	40°		
48		7.3	-	-	-	-	-		
56		7.3	-	-	3.7	-	-		
64		7.3	7.5	-	3.7	-	-		
72		7.3	7.5	-	3.7	-	-		
80		6.5	7.3	7.9	3.7	3.7	-		
88		4.7	6.1	7.2	3.7	3.7	-		
96		3.3	4.5	5.6	2.8	3.7	-		
104		2.1	3.0	4.1	-	3.6	4.2		
112		-	-	2.8	-	2.4	4.1		
120		-	-	-	-	-	2.9		
128		-	-	-	-	-	2.0		

 179.1 ft									
		33.1 ft			62.3 ft			ft	1,000 lb
		0°	20°	40°	0°	20°	40°		
48		10.4	-	-	5.5	-	-		
56		10.4	-	-	5.5	-	-		
64		10.4	10.4	-	5.5	-	-		
72		9.5	10.4	-	5.5	-	-		
80		8.0	8.7	10.0	5.5	5.5	-		
88		6.1	7.4	7.9	5.0	5.5	-		
96		4.6	5.8	6.7	4.2	5.4	6.2		
104		3.4	4.4	5.2	3.0	4.7	5.8		
112		2.4	3.2	3.9	-	3.7	4.6		
120		-	2.2	2.8	-	2.6	3.9		
128		-	-	1.9	-	-	2.9		
136		-	-	-	-	-	1.9		

 163.7 ft									
		33.1 ft			62.3 ft			ft	1,000 lb
		0°	20°	40°	0°	20°	40°		
40		13.9	-	-	-	-	-		
48		13.9	-	-	7.7	-	-		
56		13.8	13.9	-	7.7	-	-		
64		12.3	13.6	-	7.7	-	-		
72		10.8	11.5	12.8	7.7	-	-		
80		8.7	9.8	10.5	7.0	7.5	-		
88		7.7	7.8	8.8	6.2	7.1	-		
96		6.1	6.9	7.0	5.4	6.3	7.1		
104		4.8	5.7	6.3	4.4	5.2	6.1		
112		3.7	4.6	5.0	3.5	4.6	5.5		
120		2.8	3.5	3.9	2.5	3.8	4.3		
128		1.9	2.5	2.9	-	3.0	3.7		
136		-	-	1.9	-	2.2	3.0		
144		-	-	-	-	-	2.2		

 39.4 ft									
		33.1 ft			62.3 ft			ft	1,000 lb
		0°	20°	40°	0°	20°	40°		
10		29.1	-	-	19.2	-	-		
12		29.1	-	-	19.1	-	-		
14		29.1	-	-	18.8	-	-		
16		29.1	-	-	18.6	-	-		
18		29.1	28.7	-	18.4	-	-		
20		29.1	28.0	-	18.2	-	-		
24		28.9	26.0	-	17.5	-	-		
28		28.0	24.4	20.3	17.0	-	-		
32		26.9	22.8	19.3	16.3	-	-		
36		25.5	21.5	18.5	15.6	13.6	-		
40		24.0	20.3	17.8	14.9	12.9	-		
48		20.9	18.3	16.8	13.3	11.6	-		
56		18.3	17.1	-	12.1	10.7	9.2		
64		-	-	-	11.0	9.9	8.7		
72		-	-	-	9.9	9.1	8.2		
80		-	-	-	9.1	8.6	-		

 **13,400 lb**  **26.6 ft x 23.6 ft** **360°** **85 %**

 194.9 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
48		7.3	-	-	-	-	-		
56		7.3	-	-	3.7	-	-		
64		7.3	7.5	-	3.7	-	-		
72		6.4	7.5	-	3.7	-	-		
80		4.6	6.1	7.4	3.6	3.7	-		
88		3.0	4.3	5.4	2.4	3.7	-		
96		-	2.8	3.9	-	3.2	-		
104		-	-	2.6	-	2.1	-		

 179.1 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
48		10.4	-	-	5.5	-	-		
56		10.4	-	-	5.5	-	-		
64		9.7	10.4	-	5.5	-	-		
72		8.2	9.1	8.8	5.5	-	-		
80		6.1	7.4	8.0	4.9	5.5	-		
88		4.4	5.6	6.7	4.0	5.2	-		
96		3.1	4.2	5.1	2.6	4.4	5.8		
104		1.9	2.8	3.7	-	3.3	4.9		
112		-	-	2.6	-	-	3.7		
120		-	-	-	-	-	2.7		

 163.7 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
40		13.9	-	-	-	-	-		
48		13.9	-	-	7.7	-	-		
56		13.1	13.9	-	7.7	-	-		
64		11.1	12.1	-	7.7	-	-		
72		9.5	10.2	11.2	7.1	-	-		
80		7.6	8.4	9.1	6.1	7.3	-		
88		5.9	7.1	7.4	5.3	6.3	-		
96		4.6	5.5	6.4	4.1	5.2	6.3		
104		3.4	4.1	4.8	3.0	4.5	5.4		
112		2.4	3.0	3.7	-	3.5	4.4		
120		-	2.2	2.7	-	2.5	3.7		
128		-	-	-	-	-	2.8		
136		-	-	-	-	-	1.9		

 39.4 ft									
		33.1 ft			62.3 ft			1,000 lb	ft
		0°	20°	40°	0°	20°	40°		
10		29.1	-	-	19.2	-	-		
12		29.1	-	-	19.1	-	-		
14		29.1	-	-	18.8	-	-		
16		29.1	-	-	18.6	-	-		
18		29.1	28.7	-	18.4	-	-		
20		29.1	28.0	-	18.2	-	-		
24		28.9	26.0	-	17.5	-	-		
28		28.0	24.4	20.3	17.0	-	-		
32		26.9	22.8	19.3	16.3	-	-		
36		25.5	21.5	18.5	15.6	13.6	-		
40		24.0	20.3	17.8	14.9	12.9	-		
48		20.9	18.3	16.8	13.3	11.6	-		
56		18.3	17.1	-	12.1	10.7	9.2		
64		-	-	-	11.0	9.9	8.7		
72		-	-	-	9.9	9.1	8.2		
80		-	-	-	9.1	8.6	-		

 **9,900 lb**  **26.6 ft x 23.6 ft** **360°** **85 %**

 **194.9 ft**

		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
48		7.3	-	-	-	-	-
56		7.3	-	-	3.7	-	-
64		7.1	7.5	-	3.7	-	-
72		5.1	6.9	-	3.7	-	-
80		3.3	4.8	6.3	2.7	-	-
88		-	3.3	4.5	-	-	-
96		-	-	2.9	-	-	-
104		-	-	1.7	-	-	-

 **179.1 ft**

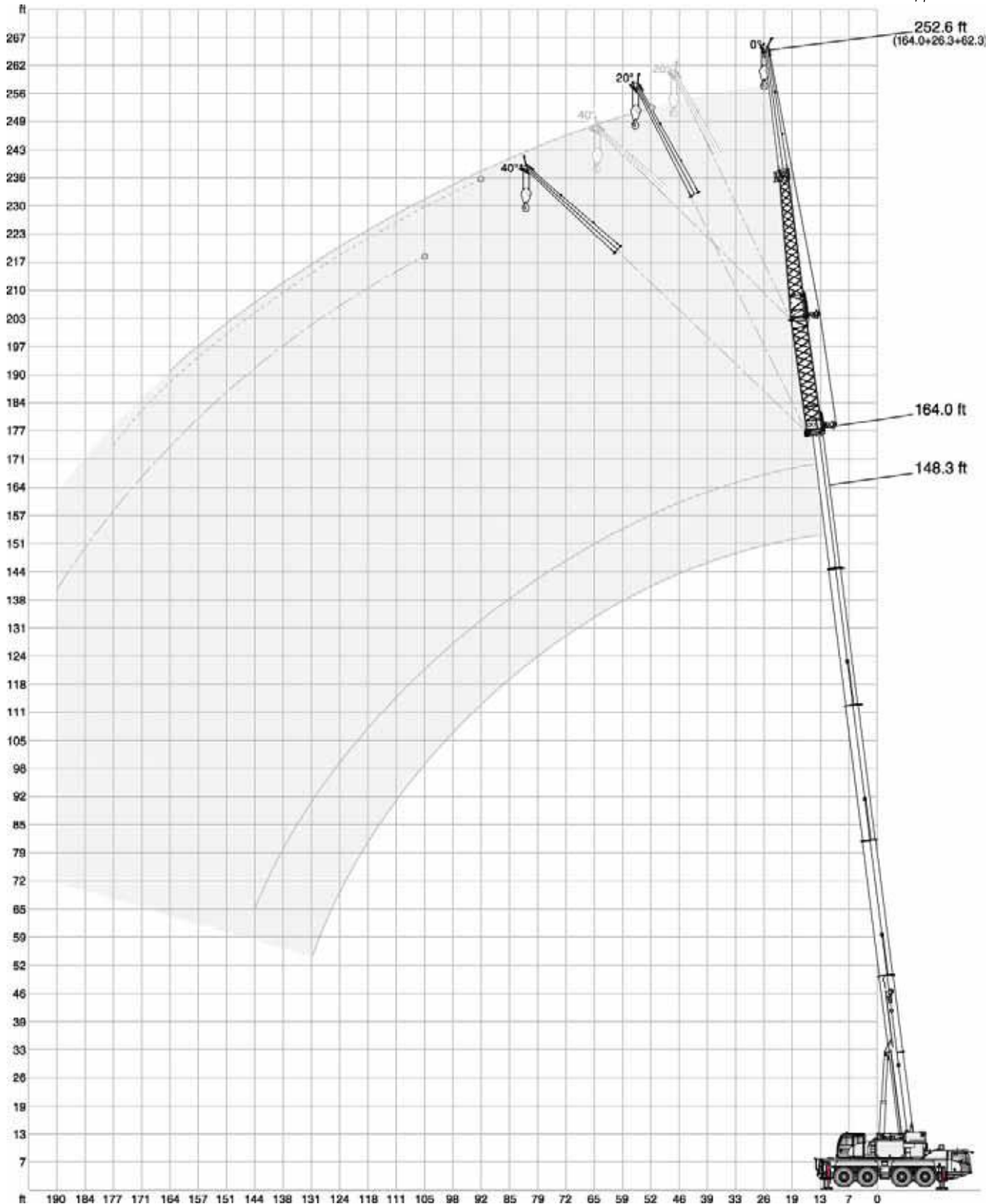
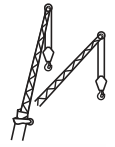
		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
48		10.4	-	-	5.5	-	-
56		10.4	-	-	5.5	-	-
64		9.0	10.0	-	5.5	-	-
72		6.9	8.4	8.8	5.3	-	-
80		4.8	6.3	7.6	4.4	5.4	-
88		3.3	4.5	5.6	2.9	4.8	-
96		2.1	3.2	4.2	-	3.7	5.1
104		-	2.1	2.8	-	2.6	4.1
112		-	-	-	-	-	3.0

 **163.7 ft**

		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
40		13.9	-	-	-	-	-
48		13.8	-	-	7.7	-	-
56		12.1	13.3	-	7.7	-	-
64		10.1	11.5	-	7.7	-	-
72		8.4	9.1	10.4	6.6	-	-
80		6.5	7.9	8.0	5.6	6.7	-
88		4.8	6.1	7.0	4.4	5.6	-
96		3.5	4.6	5.3	3.2	4.9	5.8
104		2.5	3.3	4.1	2.1	3.7	4.7
112		-	2.4	3.0	-	2.6	4.1
120		-	-	-	-	-	3.1
128		-	-	-	-	-	2.1

 **39.4 ft**

		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
10		29.1	-	-	19.2	-	-
12		29.1	-	-	19.1	-	-
14		29.1	-	-	18.8	-	-
16		29.1	-	-	18.6	-	-
18		29.1	28.7	-	18.4	-	-
20		29.1	28.0	-	18.2	-	-
24		28.9	26.0	-	17.5	-	-
28		28.0	24.4	20.3	17.0	-	-
32		26.9	22.8	19.3	16.3	-	-
36		25.5	21.5	18.5	15.6	13.6	-
40		24.0	20.3	17.8	14.9	12.9	-
48		20.9	18.3	16.8	13.3	11.6	-
56		18.1	17.1	-	12.1	10.7	9.2
64		-	-	-	11.0	9.9	8.7
72		-	-	-	9.9	9.1	8.2
80		-	-	-	9.1	8.6	-



55,600 lb **26.6 ft x 23.6 ft** **360°** **85 %**

164.0 ft

ft	26.3 ft	
	0°	0°
	62.3 ft	
	0°	20°
	1,000 lb	
56	4.9	-
64	4.9	-
72	4.9	-
80	4.9	4.6
88	4.9	4.6
96	4.9	4.6
104	4.9	4.6
112	4.9	4.6
120	4.9	4.4
128	4.7	4.3
136	4.3	4.0
144	3.8	4.0
152	3.0	3.7
160	2.3	3.3
168	-	2.5
176	-	1.7

148.3 ft

ft	26.3 ft			
	0°	0°	0°	20°
	62.3 ft			
	0°	20°	40°	0°
	1,000 lb			
48	6.6	-	-	-
56	6.6	-	-	-
64	6.6	-	-	-
72	6.6	-	-	-
80	6.6	6.2	-	-
88	6.3	6.1	-	5.4
96	6.0	5.8	5.5	5.2
104	5.8	5.5	5.3	4.9
112	5.7	5.3	5.1	4.8
120	5.4	5.0	5.0	4.6
128	5.2	4.9	4.7	4.4
136	4.9	4.7	4.6	4.2
144	4.2	4.4	4.4	4.2
152	3.7	4.1	4.4	4.0
160	3.1	3.5	3.9	3.7
168	2.4	3.0	3.1	2.9
176	1.8	2.3	2.3	2.1

137.1 ft

ft	26.3 ft				
	0°	0°	0°	20°	40°
	62.3 ft				
	0°	20°	40°	0°	0°
	1,000 lb				
48	8.7	-	-	-	-
56	8.5	-	-	-	-
64	8.2	-	-	-	-
72	7.9	7.1	-	-	-
80	7.5	6.8	-	6.1	-
88	7.1	6.4	6.1	5.9	-
96	6.7	6.0	5.8	5.6	-
104	6.4	5.8	5.5	5.3	4.4
112	6.1	5.5	5.3	5.1	4.2
120	5.7	5.2	5.1	4.8	4.1
128	5.4	5.1	5.0	4.5	4.0
136	5.1	4.9	4.7	4.4	3.8
144	4.9	4.6	4.6	4.2	3.7
152	4.1	4.4	4.4	4.2	3.7
160	3.3	3.9	4.3	3.9	3.7
168	2.6	3.3	3.8	3.5	3.5
176	1.9	2.5	2.8	2.8	2.6
184	-	-	-	2.2	-

123.0 ft

ft	26.3 ft				
	0°	0°	0°	20°	40°
	62.3 ft				
	0°	20°	40°	0°	0°
	1,000 lb				
40	10.5	-	-	-	-
48	10.0	-	-	-	-
56	9.5	-	-	-	-
64	8.9	-	-	-	-
72	8.4	7.5	-	-	-
80	7.9	7.0	6.6	6.4	-
88	7.3	6.7	6.2	6.1	-
96	6.9	6.3	5.8	5.8	4.7
104	6.6	6.0	5.7	5.4	4.4
112	6.2	5.7	5.5	5.1	4.4
120	5.9	5.4	5.2	4.9	4.2
128	5.5	5.2	5.0	4.7	4.1
136	5.1	4.9	4.9	4.5	4.0
144	4.9	4.6	4.6	4.2	4.0
152	4.5	4.4	4.6	4.2	3.7
160	3.9	4.2	4.3	4.0	3.7
168	3.5	3.7	3.9	3.7	3.7
176	2.9	3.3	-	3.3	3.0
184	2.4	2.6	-	2.8	-

39.0 ft

ft	26.3 ft				
	0°	0°	0°	20°	40°
	62.3 ft				
	0°	20°	40°	0°	0°
	1,000 lb				
16	16.4	-	-	-	-
18	16.2	-	-	-	-
20	16.0	-	-	-	-
24	15.2	-	-	-	-
28	14.4	-	-	-	-
32	13.6	-	-	-	-
36	12.8	-	-	-	-
40	12.0	10.7	-	-	-
48	10.5	9.6	-	8.8	-
56	9.4	8.6	-	7.9	-
64	8.4	7.7	7.2	7.2	-
72	7.3	7.1	6.6	6.4	-
80	6.7	6.3	6.1	5.9	5.2
88	6.0	5.8	5.8	5.3	4.8
96	5.5	5.2	5.4	4.9	4.5
104	4.9	4.9	-	4.7	4.4

44,500 lb		26.6 ft x 23.6 ft		360°		85 %	
							
164.0 ft		148.3 ft		137.1 ft			
 		 		 			
26.3 ft 0° 0° 62.3 ft 0° 20°		26.3 ft 0° 0° 0° 20° 62.3 ft 0° 20° 40° 0°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			
ft		ft		ft		1,000 lb	
56	4.9 -	48	6.6 - - -	48	8.7 - - -		
64	4.9 -	56	6.6 - - -	56	8.5 - - -		
72	4.9 -	64	6.6 - - -	64	8.2 - - -		
80	4.9 4.6	72	6.6 - - -	72	7.9 7.1 - -		
88	4.9 4.6	80	6.6 6.2 - -	80	7.5 6.8 - 6.1 -		
96	4.9 4.6	88	6.3 6.1 - 5.4	88	7.1 6.4 6.1 5.9 -		
104	4.9 4.6	96	6.0 5.8 5.5 5.2	96	6.7 6.0 5.8 5.6 -		
112	4.9 4.6	104	5.8 5.5 5.3 4.9	104	6.4 5.8 5.5 5.3 4.4		
120	4.7 4.4	112	5.7 5.3 5.1 4.8	112	6.1 5.5 5.3 5.1 4.2		
128	3.9 4.3	120	5.3 5.0 5.0 4.6	120	5.7 5.2 5.1 4.8 4.1		
136	2.9 4.0	128	4.7 4.9 4.7 4.4	128	5.2 5.1 5.0 4.5 4.0		
144	2.2 3.3	136	4.1 4.5 4.6 4.2	136	4.2 4.7 4.7 4.4 3.8		
152	- 2.5	144	3.1 4.0 4.4 4.0	144	3.3 4.4 4.6 4.2 3.7		
		152	2.4 3.4 3.6 3.2	152	2.5 3.4 4.1 3.8 3.7		
		160	- 2.6 2.7 2.4	160	- 2.6 3.3 2.8 3.1		
		168	- 1.8 1.9 -	168	- 1.9 2.5 2.2 2.2		

					
123.0 ft					
 					
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°					
ft		1,000 lb			
40	10.5 - - -				
48	10.0 - - -				
56	9.5 - - -				
64	8.9 - - -				
72	8.4 7.5 - -				
80	7.9 7.0 6.6 6.4 -				
88	7.3 6.7 6.2 6.1 -				
96	6.9 6.3 5.8 5.8 4.7				
104	6.6 6.0 5.7 5.4 4.4				
112	6.2 5.7 5.5 5.1 4.4				
120	5.8 5.4 5.2 4.9 4.2				
128	5.4 5.2 5.0 4.7 4.1				
136	4.9 4.9 4.9 4.5 4.0				
144	4.4 4.6 4.6 4.2 4.0				
152	3.6 4.1 4.4 3.9 3.7				
160	2.8 3.5 3.9 3.6 3.5				
168	2.2 2.8 3.1 2.9 2.7				
176	1.6 2.1 - 2.3 1.9				

					
39.0 ft					
 					
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°					
ft		1,000 lb			
16	16.4 - - -				
18	16.2 - - -				
20	16.0 - - -				
24	15.2 - - -				
28	14.4 - - -				
32	13.6 - - -				
36	12.8 - - -				
40	12.0 10.7 - -				
48	10.5 9.6 - 8.8 -				
56	9.4 8.6 - 7.9 -				
64	8.4 7.7 7.2 7.2 -				
72	7.3 7.1 6.6 6.4 -				
80	6.7 6.3 6.1 5.9 5.2				
88	6.0 5.8 5.8 5.3 4.8				
96	5.5 5.2 5.4 4.9 4.5				
104	4.9 4.9 - 4.7 4.4				

31,300 lb		26.6 ft x 23.6 ft		360°		85 %	
							
164.0 ft		148.3 ft		137.1 ft			
 		 		 			
26.3 ft 0° 0° 62.3 ft 0° 20°		26.3 ft 0° 0° 0° 20° 62.3 ft 0° 20° 40° 0°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			
ft		ft		ft			
1,000 lb		1,000 lb		1,000 lb			
56	4.9 -	48	6.6 - - -	48	8.7 - - -		
64	4.9 -	56	6.6 - - -	56	8.5 - - -		
72	4.9 -	64	6.6 - - -	64	8.2 - - -		
80	4.9 4.6	72	6.6 - - -	72	7.9 7.1 - -		
88	4.9 4.6	80	6.6 6.2 - -	80	7.5 6.8 - 6.1 -		
96	4.9 4.6	88	6.3 6.1 - 5.4	88	7.1 6.4 6.1 5.9 -		
104	4.5 4.6	96	6.0 5.8 5.5 5.2	96	6.7 6.0 5.8 5.6 -		
112	3.2 4.6	104	5.5 5.5 5.3 4.9	104	6.2 5.8 5.5 5.3 4.4		
120	2.2 3.9	112	4.6 5.2 5.1 4.8	112	5.0 5.5 5.3 5.1 4.2		
128	- 2.9	120	3.6 4.7 5.0 4.6	120	3.9 5.1 5.1 4.8 4.1		
136	- 1.9	128	2.8 4.0 4.5 4.0	128	3.0 4.3 4.9 4.5 4.0		
		136	1.9 3.0 3.5 2.9	136	2.2 3.3 4.2 3.8 3.8		
		144	- 2.2 2.7 2.0	144	- 2.5 3.3 2.9 3.3		
				152	- - 2.3 - 2.3		

			
123.0 ft			
 			
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			
ft			
1,000 lb			
40	10.5 - - -		
48	10.0 - - -		
56	9.5 - - -		
64	8.9 - - -		
72	8.4 7.5 - -		
80	7.9 7.0 6.6 6.4 -		
88	7.3 6.7 6.2 6.1 -		
96	6.9 6.3 5.8 5.8 4.7		
104	6.4 6.0 5.7 5.4 4.4		
112	5.9 5.7 5.5 5.1 4.4		
120	5.3 5.3 5.2 4.9 4.2		
128	4.2 5.0 5.0 4.5 4.1		
136	3.3 4.2 4.7 4.4 4.0		
144	2.5 3.3 4.0 3.6 3.8		
152	- 2.5 3.0 2.8 2.8		
160	- - 2.2 2.0 -		

			
39.0 ft			
 			
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			
ft			
1,000 lb			
16	16.4 - - -		
18	16.2 - - -		
20	16.0 - - -		
24	15.2 - - -		
28	14.4 - - -		
32	13.6 - - -		
36	12.8 - - -		
40	12.0 10.7 - -		
48	10.5 9.6 - 8.8 -		
56	9.4 8.6 - 7.9 -		
64	8.4 7.7 7.2 7.2 -		
72	7.3 7.1 6.6 6.4 -		
80	6.7 6.3 6.1 5.9 5.2		
88	6.0 5.8 5.8 5.3 4.8		
96	5.5 5.2 5.4 4.9 4.5		
104	4.9 4.9 - 4.7 4.4		

19,800 lb **26.6 ft x 23.6 ft** **360°** **85 %**

164.0 ft

		26.3 ft	
		0°	0°
		62.3 ft	
		0°	20°
ft	1,000 lb		
56	4.9	-	
64	4.9	-	
72	4.9	-	
80	4.9	4.6	
88	4.4	4.6	
96	3.1	4.6	
104	1.9	3.7	
112	-	2.6	

148.3 ft

		26.3 ft			
		0°	0°	0°	20°
		62.3 ft			
		0°	20°	40°	0°
ft	1,000 lb				
48	6.6	-	-	-	
56	6.6	-	-	-	
64	6.6	-	-	-	
72	6.6	-	-	-	
80	6.4	6.2	-	-	
88	5.7	6.1	-	5.4	
96	4.4	5.6	5.5	5.2	
104	3.2	4.8	5.3	4.9	
112	-	3.7	4.6	3.7	
120	-	2.7	3.5	2.6	
128	-	-	2.4	-	

137.1 ft

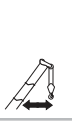
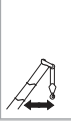
		26.3 ft				
		0°	0°	0°	20°	40°
		62.3 ft				
		0°	20°	40°	0°	0°
ft	1,000 lb					
48	8.7	-	-	-	-	
56	8.5	-	-	-	-	
64	8.2	-	-	-	-	
72	7.9	7.1	-	-	-	
80	7.2	6.8	-	6.1	-	
88	6.3	6.4	6.1	5.9	-	
96	4.8	6.0	5.8	5.6	-	
104	3.7	5.2	5.5	5.1	4.4	
112	2.6	4.1	5.2	4.6	4.2	
120	-	3.1	4.3	3.5	4.1	
128	-	2.1	3.2	2.5	3.5	
136	-	-	2.4	-	2.4	
144	-	-	-	-	1.6	

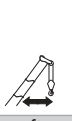
123.0 ft

		26.3 ft				
		0°	0°	0°	20°	40°
		62.3 ft				
		0°	20°	40°	0°	0°
ft	1,000 lb					
40	10.5	-	-	-	-	
48	10.0	-	-	-	-	
56	9.5	-	-	-	-	
64	8.9	-	-	-	-	
72	8.4	7.5	-	-	-	
80	7.7	7.0	6.6	6.4	-	
88	7.0	6.7	6.2	6.1	-	
96	6.3	6.3	5.8	5.8	4.7	
104	5.0	5.8	5.7	5.4	4.4	
112	3.9	5.2	5.3	5.1	4.4	
120	3.1	4.2	4.9	4.6	4.2	
128	2.2	3.3	4.2	3.6	4.0	
136	-	2.4	3.1	2.7	3.1	
144	-	1.6	2.2	1.8	2.0	

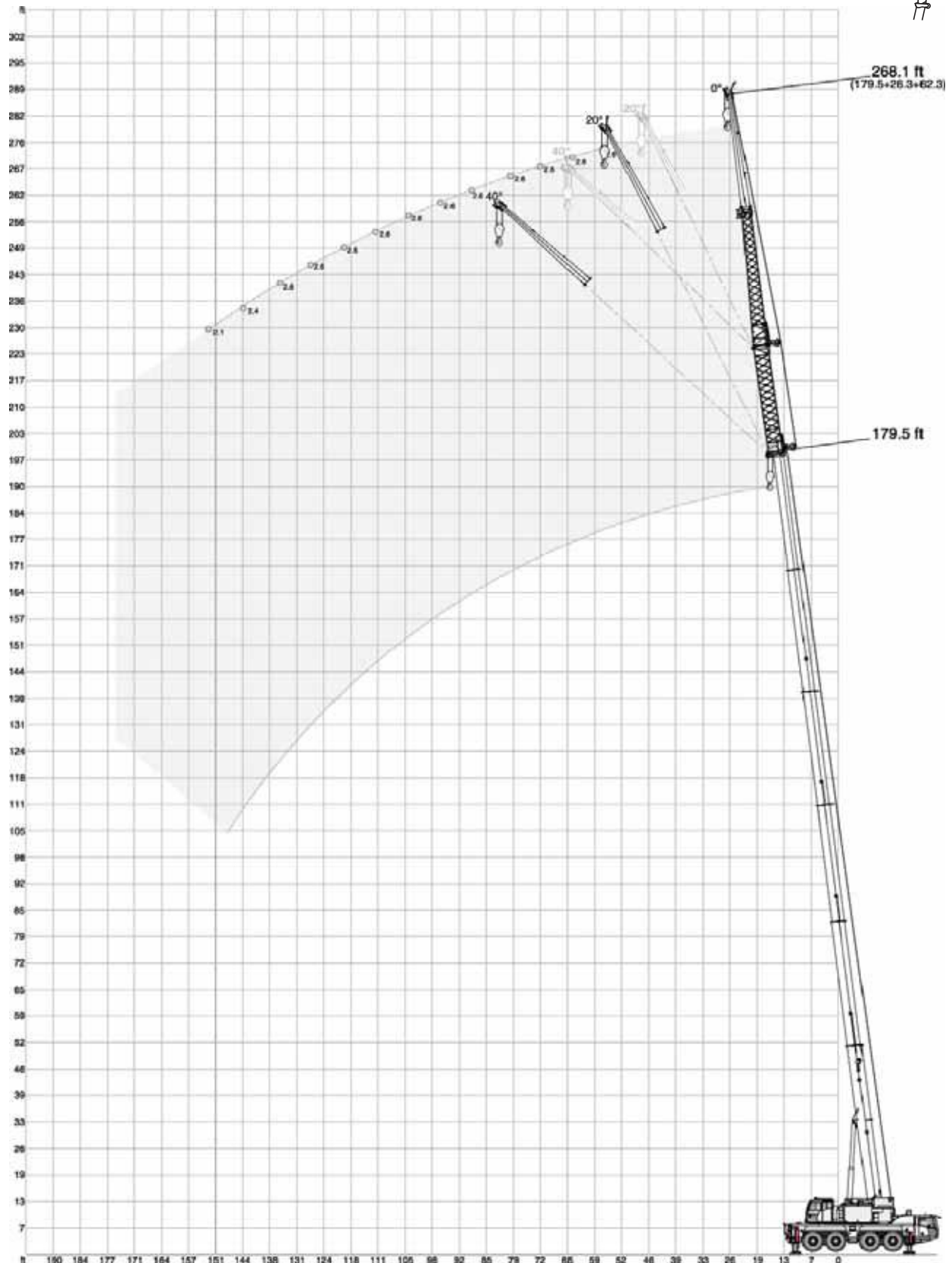
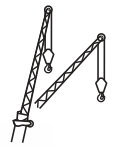
39.0 ft

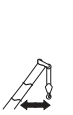
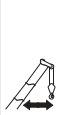
		26.3 ft				
		0°	0°	0°	20°	40°
		62.3 ft				
		0°	20°	40°	0°	0°
ft	1,000 lb					
16	16.4	-	-	-	-	
18	16.2	-	-	-	-	
20	16.0	-	-	-	-	
24	15.2	-	-	-	-	
28	14.4	-	-	-	-	
32	13.6	-	-	-	-	
36	12.8	-	-	-	-	
40	12.0	10.7	-	-	-	
48	10.5	9.6	-	8.8	-	
56	9.4	8.6	-	7.9	-	
64	8.4	7.7	7.2	7.2	-	
72	7.3	7.1	6.6	6.4	-	
80	6.7	6.3	6.1	5.9	5.2	
88	6.0	5.8	5.8	5.3	4.8	
96	5.5	5.2	5.4	4.9	4.5	
104	4.9	4.9	-	4.7	4.4	

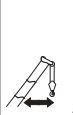
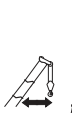
13,400 lb		26.6 ft x 23.6 ft		360°		85 %	
 164.0 ft		 148.3 ft		 137.1 ft			
							
26.3 ft 0° 0° 62.3 ft 0° 20°		26.3 ft 0° 0° 0° 20° 62.3 ft 0° 20° 40° 0°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			
ft		ft		ft			
1,000 lb		1,000 lb		1,000 lb			
56	4.9 -	48	6.6 - - -	48	8.7 - - -		
64	4.9 -	56	6.6 - - -	56	8.5 - - -		
72	4.9 -	64	6.6 - - -	64	8.2 - - -		
80	4.3 4.6	72	6.6 - - -	72	7.5 7.1 - -		
88	2.6 4.4	80	5.9 6.2 - -	80	6.3 6.8 - 6.1 -		
96	- 3.5	88	4.2 5.8 - 5.4	88	4.6 6.2 6.1 5.9 -		
104	- 2.2	96	2.8 4.8 5.5 4.7	96	3.3 5.1 5.8 5.4 -		
		104	1.7 3.5 4.6 3.5	104	2.1 3.9 5.3 4.4 4.4		
		112	- 2.4 3.2 2.4	112	- 2.6 4.1 3.2 4.2		
		120	- - 2.2 -	120	- - 3.1 2.2 3.5		
				128	- - 2.1 - 2.4		

 123.0 ft	
	
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°	
ft	
1,000 lb	
40	10.5 - - - -
48	10.0 - - - -
56	9.5 - - - -
64	8.9 - - - -
72	8.4 7.5 - - -
80	7.4 7.0 6.6 6.4 -
88	6.3 6.5 6.2 6.1 -
96	4.8 6.0 5.8 5.6 4.7
104	3.7 5.0 5.5 5.3 4.4
112	2.6 3.9 5.2 4.3 4.4
120	- 2.9 4.2 3.3 4.0
128	- 2.1 3.1 2.5 3.1
136	- - 2.2 - 2.0

 39.0 ft	
	
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°	
ft	
1,000 lb	
16	16.4 - - - -
18	16.2 - - - -
20	16.0 - - - -
24	15.2 - - - -
28	14.4 - - - -
32	13.6 - - - -
36	12.8 - - - -
40	12.0 10.7 - - -
48	10.5 9.6 - 8.8 -
56	9.4 8.6 - 7.9 -
64	8.4 7.7 7.2 7.2 -
72	7.3 7.1 6.6 6.4 -
80	6.7 6.3 6.1 5.9 5.2
88	6.0 5.8 5.8 5.3 4.8
96	5.5 5.2 5.4 4.9 4.5
104	4.9 4.9 - 4.7 4.4

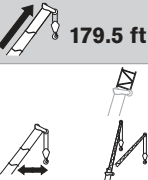


55,600 lb		26.6 ft x 23.6 ft		360°		85 %	
							
179.5 ft		165.4 ft		151.6 ft			
 26.3 ft 0° 0° 62.3 ft 0° 20°		 26.3 ft 0° 0° 62.3 ft 0° 20°		 26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			
ft 1,000 lb		ft 1,000 lb		ft 1,000 lb			
56	2.6 -	56	4.4 -	48	6.3 - - - -		
64	2.6 -	64	4.4 -	56	6.2 - - - -		
72	2.6 -	72	4.4 -	64	6.0 - - - -		
80	2.6 -	80	4.4 4.2	72	5.7 - - - -		
88	2.6 -	88	4.4 4.2	80	5.7 5.7 - - -		
96	2.6 -	96	4.3 4.2	88	5.5 5.6 - 5.4 -		
104	2.6 -	104	4.2 4.2	96	5.4 5.4 5.5 5.2 -		
112	2.6 -	112	4.2 4.2	104	5.1 5.3 5.3 4.9 -		
120	2.6 -	120	4.1 4.1	112	5.1 5.1 5.1 4.8 -		
128	2.6 -	128	3.9 4.0	120	4.8 5.0 5.0 4.6 -		
136	2.6 -	136	3.6 4.0	128	4.5 4.7 4.7 4.4 -		
144	2.4 -	144	2.9 3.8	136	3.9 4.5 4.6 4.2 -		
152	2.1 -	152	2.6 3.4	144	3.5 4.2 4.4 4.0 -		
		160	2.3 2.4	152	3.1 3.7 3.9 3.6 -		
				160	2.7 3.1 3.2 2.8 -		
				168	2.2 2.4 2.2 2.0 -		
				176	1.8 - - - -		

					
137.5 ft		123.4 ft		39.4 ft	
 26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°		 26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°		 26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°	
ft 1,000 lb		ft 1,000 lb		ft 1,000 lb	
48	7.4 - - - -	40	8.8 - - - -	16	15.9 - - - -
56	7.2 - - - -	48	8.5 - - - -	18	15.8 - - - -
64	6.9 - - - -	56	8.0 - - - -	20	15.6 - - - -
72	6.8 6.8 - - -	64	7.8 - - - -	24	14.8 - - - -
80	6.6 6.6 - 6.1 -	72	7.5 7.3 - - -	28	14.1 - - - -
88	6.3 6.3 5.9 5.6 -	80	7.2 7.0 6.4 6.3 -	32	13.4 - - - -
96	6.0 6.0 5.7 5.4 -	88	7.0 6.5 6.1 5.9 -	36	12.6 - - - -
104	5.8 5.8 5.5 5.3 4.4	96	6.7 6.3 5.8 5.6 4.6	40	11.8 10.7 - - -
112	5.7 5.5 5.3 5.1 4.2	104	6.4 6.0 5.5 5.3 4.4	48	10.3 9.4 - 8.8 -
120	5.4 5.2 5.0 4.8 4.1	112	5.9 5.5 5.3 5.1 4.2	56	9.2 8.5 - 7.8 -
128	5.2 5.0 4.9 4.5 4.0	120	5.7 5.4 5.2 4.8 4.2	64	8.2 7.7 7.2 7.2 -
136	4.7 4.9 4.7 4.4 3.8	128	5.4 5.2 5.0 4.6 4.1	72	7.3 6.9 6.6 6.4 -
144	3.8 4.4 4.6 4.2 3.7	136	5.1 4.9 4.9 4.5 4.0	80	6.7 6.3 6.1 5.9 5.2
152	3.3 4.0 4.3 3.9 3.7	144	4.2 4.6 4.6 4.2 4.0	88	6.0 5.8 5.6 5.3 4.8
160	3.0 3.1 3.9 3.5 3.7	152	3.9 4.3 4.4 4.1 3.7	96	5.5 5.2 5.4 4.9 4.5
168	2.5 2.7 2.9 2.7 3.0	160	3.4 3.7 3.9 3.7 3.7	104	4.9 4.9 - 4.7 4.4
176	2.0 2.5 2.1 1.9 2.1	168	2.7 3.3 3.4 3.2 3.3		
184	1.8 - - - -	176	2.5 2.7 - 2.7 2.5		
		184	2.2 2.4 - - -		

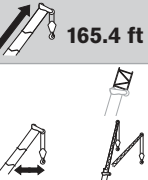
44,500 lb 26.6 ft x 23.6 ft 360° 85 %

179.5 ft



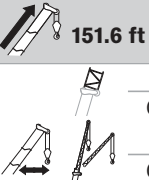
26.3 ft		
0°	0°	
62.3 ft		
0°	20°	
ft	1,000 lb	
56	2.6	-
64	2.6	-
72	2.6	-
80	2.6	-
88	2.6	-
96	2.6	-
104	2.6	-
112	2.6	-
120	2.6	-
128	2.5	-
136	1.9	-

165.4 ft



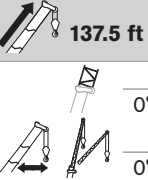
26.3 ft		
0°	0°	
62.3 ft		
0°	20°	
ft	1,000 lb	
56	4.4	-
64	4.4	-
72	4.4	-
80	4.4	4.2
88	4.4	4.2
96	4.3	4.2
104	4.2	4.2
112	4.2	4.2
120	3.9	4.1
128	3.2	4.0
136	2.8	3.5
144	2.2	2.5

151.6 ft



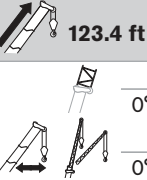
26.3 ft				
0°	0°	0°	20°	40°
62.3 ft				
0°	20°	40°	0°	0°
ft	1,000 lb			
48	6.3	-	-	-
56	6.2	-	-	-
64	6.0	-	-	-
72	5.7	-	-	-
80	5.7	5.7	-	-
88	5.5	5.6	-	5.4
96	5.4	5.4	5.5	5.2
104	5.1	5.3	5.3	4.9
112	5.0	5.1	5.1	4.8
120	4.4	5.0	5.0	4.6
128	4.0	4.6	4.7	4.4
136	3.4	4.2	4.6	4.1
144	3.1	3.4	3.8	3.1
152	2.5	2.5	2.8	2.3

137.5 ft



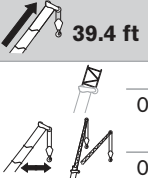
26.3 ft				
0°	0°	0°	20°	40°
62.3 ft				
0°	20°	40°	0°	0°
ft	1,000 lb			
48	7.4	-	-	-
56	7.2	-	-	-
64	6.9	-	-	-
72	6.8	6.8	-	-
80	6.6	6.6	-	6.1
88	6.3	6.3	5.9	5.6
96	6.0	6.0	5.7	5.4
104	5.8	5.8	5.5	5.3
112	5.7	5.5	5.3	5.1
120	5.1	5.2	5.0	4.8
128	4.3	5.0	4.9	4.5
136	4.0	4.4	4.7	4.2
144	3.3	3.8	4.4	3.8
152	2.8	3.4	3.4	3.0
160	2.5	2.6	2.4	2.2
168	1.9	1.9	-	-

123.4 ft



26.3 ft				
0°	0°	0°	20°	40°
62.3 ft				
0°	20°	40°	0°	0°
ft	1,000 lb			
40	8.8	-	-	-
48	8.5	-	-	-
56	8.0	-	-	-
64	7.8	-	-	-
72	7.5	7.3	-	-
80	7.2	7.0	6.4	6.3
88	7.0	6.5	6.1	5.9
96	6.7	6.3	5.8	5.6
104	6.4	6.0	5.5	5.3
112	5.9	5.5	5.3	5.1
120	5.5	5.4	5.2	4.8
128	5.2	5.2	5.0	4.6
136	4.4	4.8	4.9	4.5
144	3.8	4.4	4.4	4.2
152	3.2	3.5	4.1	3.9
160	2.8	3.1	3.2	3.1
168	2.4	2.5	2.4	2.2
176	1.8	1.8	-	-

39.4 ft



26.3 ft				
0°	0°	0°	20°	40°
62.3 ft				
0°	20°	40°	0°	0°
ft	1,000 lb			
16	15.9	-	-	-
18	15.8	-	-	-
20	15.6	-	-	-
24	14.8	-	-	-
28	14.1	-	-	-
32	13.4	-	-	-
36	12.6	-	-	-
40	11.8	10.7	-	-
48	10.3	9.4	-	8.8
56	9.2	8.5	-	7.8
64	8.2	7.7	7.2	7.2
72	7.3	6.9	6.6	6.4
80	6.7	6.3	6.1	5.9
88	6.0	5.8	5.6	5.3
96	5.5	5.2	5.4	4.9
104	4.9	4.9	-	4.7

31,300 lb **26.6 ft x 23.6 ft** **360°** **85 %**

179.5 ft



		26.3 ft	
		0°	0°
		62.3 ft	
		0°	20°
ft	1,000 lb		
56	2.6	-	-
64	2.6	-	-
72	2.6	-	-
80	2.6	-	-
88	2.6	-	-
96	2.6	-	-
104	2.6	-	-

165.4 ft



		26.3 ft	
		0°	0°
		62.3 ft	
		0°	20°
ft	1,000 lb		
56	4.4	-	-
64	4.4	-	-
72	4.4	-	-
80	4.4	4.2	-
88	4.4	4.2	-
96	4.3	4.2	-
104	3.6	4.2	-
112	3.3	4.1	-
120	2.4	3.3	-
128	-	2.2	-

151.6 ft



		26.3 ft				
		0°	0°	0°	20°	40°
		62.3 ft				
		0°	20°	40°	0°	0°
ft	1,000 lb					
48	6.3	-	-	-	-	-
56	6.2	-	-	-	-	-
64	6.0	-	-	-	-	-
72	5.7	-	-	-	-	-
80	5.7	5.7	-	-	-	-
88	5.5	5.6	-	5.4	-	-
96	5.2	5.4	5.5	5.2	-	-
104	4.9	5.3	5.3	4.9	-	-
112	4.0	4.8	5.1	4.8	-	-
120	3.6	4.2	4.9	4.2	-	-
128	3.0	3.1	4.0	3.1	-	-
136	2.2	2.2	2.9	2.2	-	-
144	-	-	1.8	-	-	-

137.5 ft



		26.3 ft				
		0°	0°	0°	20°	40°
		62.3 ft				
		0°	20°	40°	0°	0°
ft	1,000 lb					
48	7.4	-	-	-	-	-
56	7.2	-	-	-	-	-
64	6.9	-	-	-	-	-
72	6.8	6.8	-	-	-	-
80	6.6	6.6	-	6.1	-	-
88	6.3	6.3	5.9	5.6	-	-
96	6.0	6.0	5.7	5.4	-	-
104	5.4	5.8	5.5	5.3	4.4	-
112	5.0	5.5	5.3	5.1	4.2	-
120	4.2	5.0	5.0	4.6	4.1	-
128	3.6	4.4	4.5	4.0	4.0	-
136	3.0	3.5	3.5	3.0	3.8	-
144	2.2	2.5	2.5	2.0	2.9	-

123.4 ft

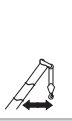
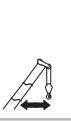


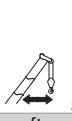
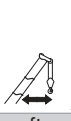
		26.3 ft				
		0°	0°	0°	20°	40°
		62.3 ft				
		0°	20°	40°	0°	0°
ft	1,000 lb					
40	8.8	-	-	-	-	-
48	8.5	-	-	-	-	-
56	8.0	-	-	-	-	-
64	7.8	-	-	-	-	-
72	7.5	7.3	-	-	-	-
80	7.2	7.0	6.4	6.3	-	-
88	7.0	6.5	6.1	5.9	-	-
96	6.7	6.3	5.8	5.6	4.6	-
104	6.0	6.0	5.5	5.3	4.4	-
112	5.7	5.5	5.3	5.1	4.2	-
120	4.9	5.2	5.2	4.8	4.2	-
128	4.0	4.6	4.9	4.5	4.1	-
136	3.4	3.9	4.4	3.9	4.0	-
144	2.9	3.1	3.4	2.9	3.3	-
152	2.3	2.3	2.3	-	2.3	-

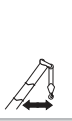
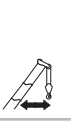
39.4 ft

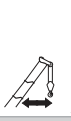


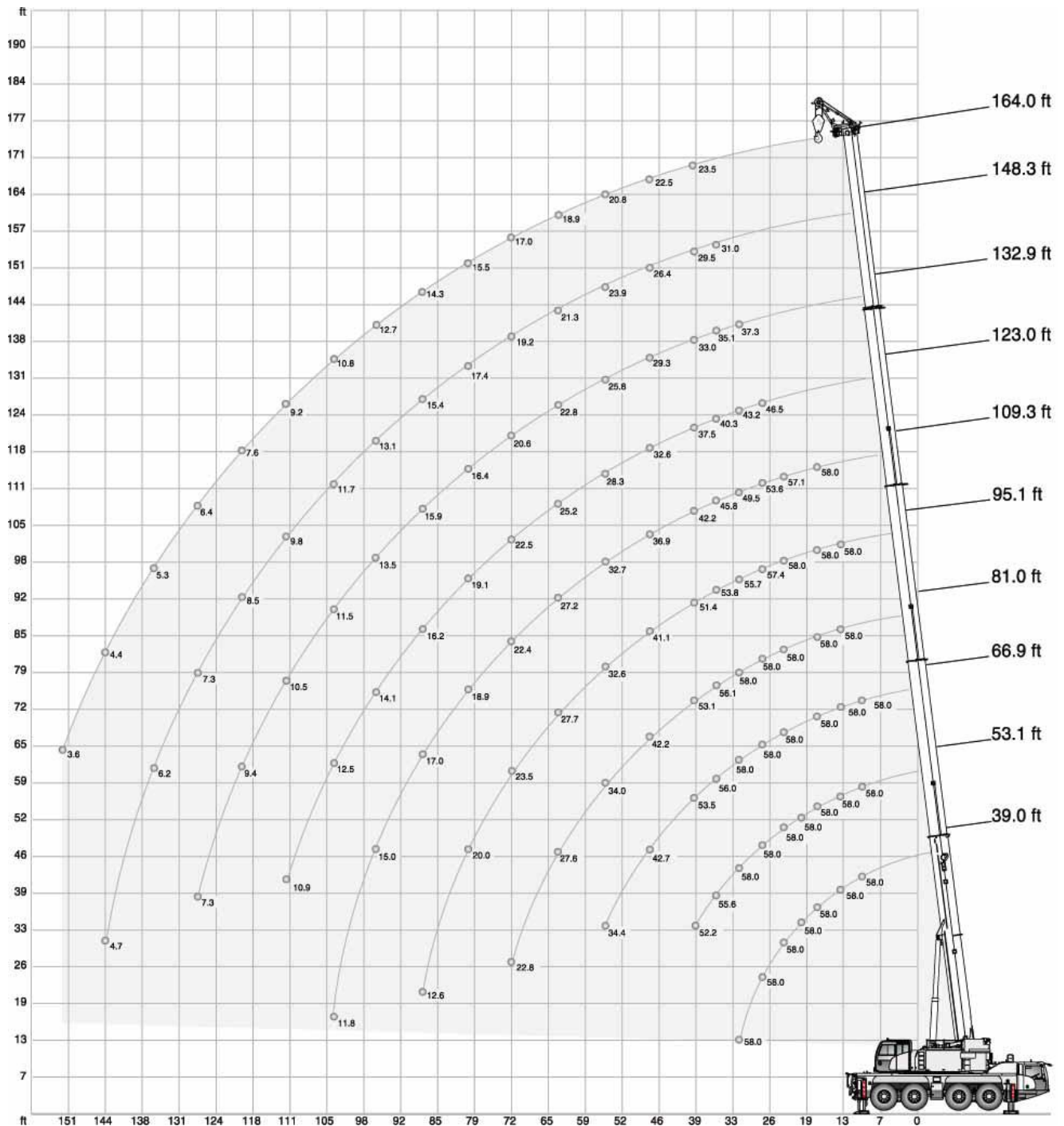
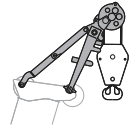
		26.3 ft				
		0°	0°	0°	20°	40°
		62.3 ft				
		0°	20°	40°	0°	0°
ft	1,000 lb					
16	15.9	-	-	-	-	-
18	15.8	-	-	-	-	-
20	15.6	-	-	-	-	-
24	14.8	-	-	-	-	-
28	14.1	-	-	-	-	-
32	13.4	-	-	-	-	-
36	12.6	-	-	-	-	-
40	11.8	10.7	-	-	-	-
48	10.3	9.4	-	8.8	-	-
56	9.2	8.5	-	7.8	-	-
64	8.2	7.7	7.2	7.2	-	-
72	7.3	6.9	6.6	6.4	-	-
80	6.7	6.3	6.1	5.9	5.2	-
88	6.0	5.8	5.6	5.3	4.8	-
96	5.5	5.2	5.4	4.9	4.5	-
104	4.9	4.9	-	4.7	4.4	-

19,800 lb		26.6 ft x 23.6 ft		360°		85 %	
							
179.5 ft		165.4 ft		151.6 ft			
							
26.3 ft 0° 0° 62.3 ft 0° 20°		26.3 ft 0° 0° 62.3 ft 0° 20°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			
ft		ft		ft		1,000 lb	
56	2.6 -	56	4.4 -	48	6.3 - - -		
64	2.6 -	64	4.4 -	56	6.2 - - -		
72	2.6 -	72	4.4 -	64	6.0 - - -		
80	2.6 -	80	4.4 4.2	72	5.7 - - -		
88	2.6 -	88	3.6 4.2	80	5.6 5.7 - -		
96	2.0 -	96	3.1 4.2	88	4.7 5.6 - 5.4 -		
		104	1.9 3.1	96	4.3 5.1 5.5 5.2 -		
				104	3.4 4.1 5.3 4.3 -		
				112	2.4 2.8 4.1 3.0 -		
				120	- - 2.8 - -		

					
137.5 ft		123.4 ft		39.4 ft	
					
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°	
ft		ft		ft	
1,000 lb		1,000 lb		1,000 lb	
48	7.4 - - -	40	8.8 - - -	16	15.9 - - -
56	7.2 - - -	48	8.5 - - -	18	15.8 - - -
64	6.9 - - -	56	8.0 - - -	20	15.6 - - -
72	6.8 6.8 - -	64	7.8 - - -	24	14.8 - - -
80	6.4 6.6 - 6.1 -	72	7.5 7.3 - -	28	14.1 - - -
88	5.7 6.3 5.9 5.6 -	80	7.1 7.0 6.4 6.3 -	32	13.4 - - -
96	5.0 5.7 5.7 5.4 -	88	6.5 6.5 6.1 5.9 -	36	12.6 - - -
104	4.4 5.3 5.5 5.1 4.4	96	5.9 6.3 5.8 5.6 4.6	40	11.8 10.7 - -
112	3.5 4.3 5.0 3.9 4.2	104	4.9 5.8 5.5 5.3 4.4	48	10.3 9.4 - 8.8 -
120	2.5 3.1 3.7 2.8 4.1	112	4.4 5.2 5.3 5.0 4.2	56	9.2 8.5 - 7.8 -
128	- 2.3 2.6 - 3.3	120	3.7 4.2 4.8 4.2 4.2	64	8.2 7.7 7.2 7.2 -
136	- - - - 2.2	128	2.8 3.1 3.6 3.1 3.7	72	7.3 6.9 6.6 6.4 -
		136	1.9 2.2 2.6 2.0 2.7	80	6.7 6.3 6.1 5.9 5.2
		144	- - 1.6 - 1.8	88	6.0 5.8 5.6 5.3 4.8
				96	5.5 5.2 5.4 4.9 4.5
				104	4.9 4.9 - 4.7 4.4

13,400 lb		26.6 ft x 23.6 ft		360°		85 %	
							
179.5 ft		165.4 ft		151.6 ft			
							
26.3 ft 0° 0° 62.3 ft 0° 20°		26.3 ft 0° 0° 62.3 ft 0° 20°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			
ft 1,000 lb		ft 1,000 lb		ft 1,000 lb			
56	2.6 -	56	4.4 -	48	6.3 - - - -		
64	2.6 -	64	4.4 -	56	6.2 - - - -		
72	2.6 -	72	4.4 -	64	6.0 - - - -		
80	2.6 -	80	3.5 -	72	5.7 - - - -		
		88	2.9 -	80	4.8 5.7 - - -		
				88	4.1 5.1 - 5.3 -		
				96	3.2 4.0 5.2 4.2 -		
				104	2.1 2.6 3.9 2.8 -		
				112	- - 2.6 - -		

					
137.5 ft		123.4 ft		39.4 ft	
					
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°		26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°	
ft 1,000 lb		ft 1,000 lb		ft 1,000 lb	
48	7.4 - - - -	40	8.8 - - - -	16	15.9 - - - -
56	7.2 - - - -	48	8.5 - - - -	18	15.8 - - - -
64	6.9 - - - -	56	8.0 - - - -	20	15.6 - - - -
72	6.8 6.8 - - -	64	7.8 - - - -	24	14.8 - - - -
80	5.9 6.6 - 6.1 -	72	7.5 7.3 - - -	28	14.1 - - - -
88	5.0 5.9 5.9 5.6 -	80	6.7 7.0 6.4 6.3 -	32	13.4 - - - -
96	4.3 5.2 5.7 5.1 -	88	5.9 6.3 6.1 5.9 -	36	12.6 - - - -
104	3.0 4.1 4.9 3.9 4.4	96	5.0 5.8 5.8 5.6 4.6	40	11.8 10.7 - - -
112	- 2.8 3.7 2.6 4.1	104	4.3 5.0 5.5 4.9 4.4	48	10.3 9.4 - 8.8 -
120	- - 2.4 - 3.2	112	3.3 3.9 4.8 3.9 4.2	56	9.2 8.5 - 7.8 -
128	- - - - 2.0	120	2.5 2.8 3.5 2.8 3.9	64	8.2 7.7 7.2 7.2 -
		128	- 1.9 2.5 - 2.9	72	7.3 6.9 6.6 6.4 -
				80	6.7 6.3 6.1 5.9 5.2
				88	6.0 5.8 5.6 5.3 4.8
				96	5.5 5.2 5.4 4.9 4.5
				104	4.9 4.9 - 4.7 4.4



 55,600 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft		1,000 lb										ft
10		58.0	58.0	58.0	-	-	-	-	-	-	-	10
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	12
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	14
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18
20		58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20
24		58.0	58.0	58.0	58.0	58.0	57.1	-	-	-	-	24
28		58.0	58.0	58.0	58.0	57.4	53.6	46.5	-	-	-	28
32		58.0	58.0	58.0	58.0	55.7	49.5	43.2	37.3	-	-	32
36		-	55.6	56.0	56.1	53.8	45.8	40.3	35.1	31.0	-	36
40		-	52.2	53.5	53.1	51.4	42.2	37.5	33.0	29.5	23.5	40
48		-	-	42.7	42.2	41.1	36.9	32.6	29.3	26.4	22.5	48
56		-	-	34.4	34.0	32.6	32.7	28.3	25.8	23.9	20.8	56
64		-	-	16.5	27.6	27.7	27.2	25.2	22.8	21.3	18.9	64
72		-	-	-	22.8	23.5	22.4	22.5	20.6	19.2	17.0	72
80		-	-	-	-	20.0	18.9	19.1	18.4	17.4	15.5	80
88		-	-	-	-	12.6	17.0	16.2	15.9	15.4	14.3	88
96		-	-	-	-	-	15.0	14.1	13.5	13.1	12.7	96
104		-	-	-	-	-	11.8	12.5	11.5	11.7	10.8	104
112		-	-	-	-	-	-	10.9	10.5	9.8	9.2	112
120		-	-	-	-	-	-	-	9.4	8.5	7.6	120
128		-	-	-	-	-	-	-	7.3	7.3	6.4	128
136		-	-	-	-	-	-	-	-	6.2	5.3	136
144		-	-	-	-	-	-	-	-	4.7	4.4	144
152		-	-	-	-	-	-	-	-	-	3.6	152

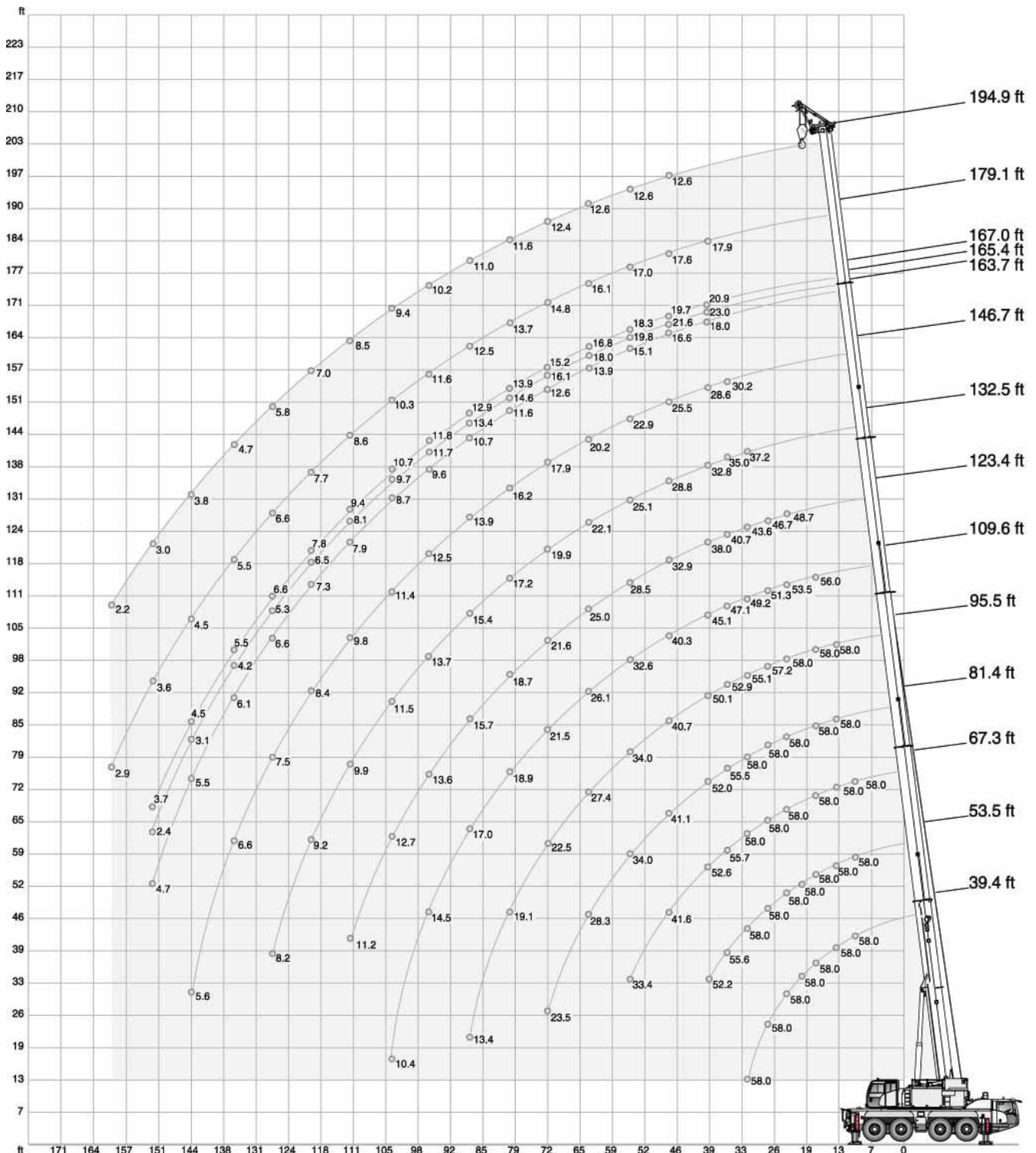
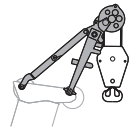
 44,500 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft		1,000 lb										ft
10		58.0	58.0	58.0	-	-	-	-	-	-	-	10
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	12
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	14
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18
20		58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20
24		58.0	58.0	58.0	58.0	58.0	57.1	-	-	-	-	24
28		58.0	58.0	58.0	58.0	57.4	53.6	46.5	-	-	-	28
32		58.0	58.0	58.0	58.0	55.7	49.5	43.2	37.3	-	-	32
36		-	53.9	54.4	54.4	52.5	45.8	40.3	35.1	31.0	-	36
40		-	48.6	50.2	49.7	48.6	42.2	37.5	33.0	29.5	23.5	40
48		-	-	38.4	37.8	36.4	36.0	32.6	29.3	26.4	22.5	48
56		-	-	30.1	29.7	29.9	29.2	27.7	25.8	23.9	20.8	56
64		-	-	16.5	24.6	24.8	23.5	23.7	22.3	21.3	18.9	64
72		-	-	-	21.0	20.4	20.6	19.5	19.3	18.6	17.0	72
80		-	-	-	-	17.3	17.2	16.8	16.1	15.6	15.2	80
88		-	-	-	-	12.6	14.7	14.4	13.7	13.5	12.6	88
96		-	-	-	-	-	12.7	12.3	12.2	11.2	10.5	96
104		-	-	-	-	-	11.0	10.4	10.4	9.5	8.6	104
112		-	-	-	-	-	-	8.8	9.0	7.9	7.2	112
120		-	-	-	-	-	-	-	7.6	6.6	5.9	120
128		-	-	-	-	-	-	-	5.5	5.5	4.7	128
136		-	-	-	-	-	-	-	-	4.6	3.8	136
144		-	-	-	-	-	-	-	-	3.1	2.9	144
152		-	-	-	-	-	-	-	-	-	2.1	152

 31,300 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft		1,000 lb										ft
10		58.0	58.0	58.0	-	-	-	-	-	-	-	10
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	12
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	14
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18
20		58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20
24		58.0	58.0	58.0	58.0	58.0	57.1	-	-	-	-	24
28		58.0	58.0	58.0	58.0	57.4	53.6	46.5	-	-	-	28
32		56.3	57.5	57.6	58.0	55.7	49.5	43.2	37.3	-	-	32
36		-	50.0	51.0	50.9	48.9	45.1	40.3	35.1	31.0	-	36
40		-	42.7	43.2	42.5	41.2	41.5	37.3	33.0	29.5	23.5	40
48		-	-	32.3	31.9	32.7	31.4	30.6	28.7	26.4	22.5	48
56		-	-	25.7	26.3	25.6	25.4	24.7	23.9	23.1	20.8	56
64		-	-	16.5	21.2	20.9	20.8	20.3	19.4	18.8	18.4	64
72		-	-	-	17.3	17.5	16.8	16.6	16.6	15.7	15.1	72
80		-	-	-	-	14.6	14.2	13.7	13.7	12.8	12.0	80
88		-	-	-	-	12.4	11.8	11.4	11.4	10.4	9.6	88
96		-	-	-	-	-	10.0	9.4	9.4	8.5	7.6	96
104		-	-	-	-	-	8.4	7.7	7.7	6.8	5.9	104
112		-	-	-	-	-	-	6.3	6.3	5.5	4.6	112
120		-	-	-	-	-	-	-	5.3	4.4	3.5	120
128		-	-	-	-	-	-	-	3.2	3.4	2.5	128
136		-	-	-	-	-	-	-	-	2.6	-	136

 19,800 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft		1,000 lb										ft
10		58.0	58.0	58.0	-	-	-	-	-	-	-	10
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	12
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	14
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18
20		58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20
24		58.0	58.0	58.0	58.0	58.0	57.1	-	-	-	-	24
28		57.4	58.0	58.0	58.0	56.1	53.1	46.5	-	-	-	28
32		49.6	52.0	52.3	52.0	49.1	47.3	43.0	37.3	-	-	32
36		-	43.6	44.2	43.6	41.6	41.6	37.7	34.6	31.0	-	36
40		-	36.0	36.7	36.9	37.1	35.6	34.6	31.6	29.4	23.5	40
48		-	-	28.0	28.2	27.5	27.7	26.7	25.6	24.0	22.0	48
56		-	-	21.7	21.9	21.9	21.5	21.0	20.4	19.8	18.2	56
64		-	-	16.5	17.6	17.3	17.0	16.5	16.5	15.6	14.2	64
72		-	-	-	14.2	14.2	13.7	13.1	13.1	12.2	10.9	72
80		-	-	-	-	11.6	11.1	10.5	10.5	9.5	8.5	80
88		-	-	-	-	9.5	8.8	8.4	8.4	7.4	6.6	88
96		-	-	-	-	-	7.2	6.7	6.7	5.8	4.9	96
104		-	-	-	-	-	5.9	5.2	5.2	4.4	3.5	104
112		-	-	-	-	-	-	4.1	4.1	3.2	2.4	112
120		-	-	-	-	-	-	-	3.1	2.2	-	120

 13,400 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft		1,000 lb										ft
10		58.0	58.0	58.0	-	-	-	-	-	-	-	10
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	12
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	14
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18
20		58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20
24		58.0	58.0	58.0	58.0	57.8	56.7	-	-	-	-	24
28		54.6	56.1	56.5	55.6	53.1	50.2	45.8	-	-	-	28
32		44.8	47.6	48.1	47.4	45.9	43.6	40.1	37.3	-	-	32
36		-	39.5	40.0	39.5	39.7	37.4	35.4	32.5	30.1	-	36
40		-	32.5	33.5	34.1	33.4	33.4	31.0	29.4	27.4	23.4	40
48		-	-	25.2	25.3	25.4	24.7	24.3	23.4	21.9	20.0	48
56		-	-	19.1	19.5	19.4	18.9	18.4	18.4	17.0	15.3	56
64		-	-	15.3	15.3	15.3	14.8	14.2	14.2	13.1	11.7	64
72		-	-	-	12.2	12.2	11.7	11.1	11.1	10.0	8.7	72
80		-	-	-	-	9.8	9.2	8.7	8.7	7.6	6.5	80
88		-	-	-	-	7.8	7.4	6.7	6.7	5.8	4.8	88
96		-	-	-	-	-	5.8	5.1	5.3	4.2	3.5	96
104		-	-	-	-	-	4.5	3.9	3.9	3.0	2.2	104
112		-	-	-	-	-	-	2.8	2.8	-	-	112
120		-	-	-	-	-	-	-	2.0	-	-	120

 9,900 lb		 26.6 ft x 23.6 ft		360°		85 %						
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft		1,000 lb										ft
10		58.0	58.0	58.0	-	-	-	-	-	-	-	10
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	12
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	14
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18
20		58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20
24		58.0	58.0	58.0	58.0	56.8	55.7	-	-	-	-	24
28		52.8	54.3	54.7	54.1	50.5	48.7	44.1	-	-	-	28
32		42.0	44.7	45.3	44.6	44.3	40.8	38.7	35.1	-	-	32
36		-	37.0	37.5	37.4	37.8	35.3	33.5	31.0	29.0	-	36
40		-	30.3	31.9	31.9	31.4	31.2	29.6	27.0	25.9	23.2	40
48		-	-	23.2	23.5	23.5	22.9	22.3	22.0	19.8	17.9	48
56		-	-	17.6	17.8	17.9	17.4	16.8	17.0	15.2	13.6	56
64		-	-	13.9	13.9	13.9	13.5	12.8	12.9	11.7	10.1	64
72		-	-	-	11.1	11.1	10.4	9.8	10.0	8.9	7.3	72
80		-	-	-	-	8.7	8.1	7.6	7.6	6.5	5.4	80
88		-	-	-	-	7.0	6.3	5.8	5.8	4.8	3.7	88
96		-	-	-	-	-	5.0	4.4	4.4	3.5	2.5	96
104		-	-	-	-	-	3.7	3.2	3.2	2.2	-	104
112		-	-	-	-	-	-	2.2	-	-	-	112



 55,600 lb		 26.6 ft x 23.6 ft		360°		85 %									
 	39.4 ft	53.5 ft	67.3 ft	81.4 ft	95.5 ft	109.6 ft	123.4 ft	132.5 ft	146.7 ft	163.7 ft	165.4 ft	167.0 ft	179.1 ft	194.9 ft	
ft	1,000 lb														ft
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	10
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	12
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	14
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	16
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	18
20	58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	20
24	58.0	58.0	58.0	58.0	58.0	53.5	48.7	-	-	-	-	-	-	-	24
28	58.0	58.0	58.0	58.0	57.2	51.3	46.7	-	-	-	-	-	-	-	28
32	58.0	58.0	58.0	58.0	55.1	49.2	43.6	37.2	-	-	-	-	-	-	32
36	-	55.6	55.7	55.5	52.9	47.1	40.7	35.0	30.2	-	-	-	-	-	36
40	-	52.2	52.6	52.0	50.1	45.1	38.0	32.8	28.6	18.0	23.0	20.9	17.9	-	40
48	-	-	41.6	41.1	40.7	40.3	32.9	28.8	25.5	16.6	21.6	19.7	17.6	12.6	48
56	-	-	33.4	34.0	34.0	32.6	28.5	25.1	22.9	15.1	19.8	18.3	17.0	12.6	56
64	-	-	-	28.3	27.4	26.1	25.0	22.1	20.2	13.9	18.0	16.8	16.1	12.6	64
72	-	-	-	23.5	22.6	21.5	21.6	19.9	17.9	12.6	16.1	15.2	14.8	12.4	72
80	-	-	-	-	19.1	18.9	18.7	17.2	16.2	11.6	14.6	13.9	13.7	11.6	80
88	-	-	-	-	13.4	17.0	15.7	15.4	13.9	10.7	13.4	12.9	12.5	11.0	88
96	-	-	-	-	-	14.5	13.6	13.7	12.5	9.6	11.7	11.8	11.6	10.2	96
104	-	-	-	-	-	10.4	12.7	11.5	11.4	8.7	9.7	10.7	10.3	9.4	104
112	-	-	-	-	-	-	11.2	9.9	9.8	7.9	8.1	9.4	8.6	8.5	112
120	-	-	-	-	-	-	-	9.2	8.4	7.3	6.5	7.8	7.7	7.0	120
128	-	-	-	-	-	-	-	8.2	7.5	6.6	5.3	6.6	6.6	5.8	128
136	-	-	-	-	-	-	-	-	6.6	6.1	4.2	5.5	5.5	4.7	136
144	-	-	-	-	-	-	-	-	5.6	5.5	3.1	4.5	4.5	3.8	144
152	-	-	-	-	-	-	-	-	-	4.7	2.4	3.7	3.6	3.0	152
160	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	160

 44,500 lb		 26.6 ft x 23.6 ft		360°		85 %									
 	39.4 ft	53.5 ft	67.3 ft	81.4 ft	95.5 ft	109.6 ft	123.4 ft	132.5 ft	146.7 ft	163.7 ft	165.4 ft	167.0 ft	179.1 ft	194.9 ft	
ft	1,000 lb														ft
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	10
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	12
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	14
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	16
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	18
20	58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	20
24	58.0	58.0	58.0	58.0	58.0	53.5	48.7	-	-	-	-	-	-	-	24
28	58.0	58.0	58.0	58.0	57.2	51.3	46.7	-	-	-	-	-	-	-	28
32	58.0	58.0	58.0	58.0	55.1	49.2	43.6	37.2	-	-	-	-	-	-	32
36	-	54.0	54.1	53.9	51.6	47.1	40.7	35.0	30.2	-	-	-	-	-	36
40	-	48.9	49.3	48.6	47.3	44.8	38.0	32.8	28.6	18.0	23.0	20.9	17.9	-	40
48	-	-	37.5	37.4	38.1	36.6	32.9	28.8	25.5	16.6	21.6	19.7	17.6	12.6	48
56	-	-	30.5	30.6	29.8	28.4	27.3	25.1	22.9	15.1	19.8	18.3	17.0	12.6	56
64	-	-	-	24.7	24.0	22.9	23.0	21.4	20.2	13.9	18.0	16.8	16.1	12.6	64
72	-	-	-	20.4	19.5	20.3	19.1	18.3	17.3	12.6	16.1	15.2	14.8	12.4	72
80	-	-	-	-	17.3	17.2	15.8	16.3	15.0	11.6	14.3	13.9	13.7	11.6	80
88	-	-	-	-	11.1	14.5	14.4	13.5	13.3	10.7	11.5	12.7	12.1	11.0	88
96	-	-	-	-	-	12.3	12.6	11.7	11.2	9.6	9.4	10.8	10.2	9.7	96
104	-	-	-	-	-	8.2	10.6	10.3	9.9	8.7	7.5	8.8	8.8	8.1	104
112	-	-	-	-	-	-	9.2	9.0	8.3	7.9	5.9	7.2	7.4	6.5	112
120	-	-	-	-	-	-	-	7.6	7.1	7.0	4.6	5.9	6.1	5.2	120
128	-	-	-	-	-	-	-	6.5	6.5	5.9	3.5	4.8	4.8	4.0	128
136	-	-	-	-	-	-	-	-	5.5	4.9	2.6	3.9	3.9	3.0	136
144	-	-	-	-	-	-	-	-	4.0	4.0	1.8	2.9	3.1	2.2	144
152	-	-	-	-	-	-	-	-	-	3.2	-	2.3	2.3	-	152

 31,300 lb		 26.6 ft x 23.6 ft		360°		85 %										
 39.4 ft		53.5 ft	67.3 ft	81.4 ft	95.5 ft	109.6 ft	123.4 ft	132.5 ft	146.7 ft	163.7 ft	165.4 ft	167.0 ft	179.1 ft	194.9 ft		
ft		1,000 lb													ft	
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	10	
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	12	
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	14	
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	16	
18	58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	18	
20	58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	20	
24	58.0	58.0	58.0	58.0	58.0	53.5	48.7	-	-	-	-	-	-	-	24	
28	58.0	58.0	58.0	58.0	57.2	51.3	46.7	-	-	-	-	-	-	-	28	
32	56.5	58.0	57.8	57.8	54.9	49.2	43.6	37.2	-	-	-	-	-	-	32	
36	-	50.7	50.8	50.4	47.9	45.6	40.7	35.0	30.2	-	-	-	-	-	36	
40	-	42.1	42.5	42.2	42.9	41.4	37.7	32.8	28.6	18.0	23.0	20.9	17.9	-	40	
48	-	-	33.1	32.9	32.1	30.7	30.3	28.2	25.5	16.6	21.6	19.7	17.6	12.6	48	
56	-	-	25.8	25.6	24.8	24.6	23.9	22.9	21.9	15.1	19.8	18.3	17.0	12.6	56	
64	-	-	-	20.5	20.5	20.5	19.6	19.3	18.2	13.9	17.4	16.8	16.1	12.6	64	
72	-	-	-	17.0	17.5	16.8	17.0	16.0	15.7	12.6	14.0	15.2	14.2	12.4	72	
80	-	-	-	-	14.6	14.5	14.2	13.8	13.5	11.6	11.0	12.4	11.8	10.9	80	
88	-	-	-	-	8.1	12.5	11.9	11.6	11.0	10.6	8.5	9.9	9.9	8.5	88	
96	-	-	-	-	-	10.5	10.3	9.6	9.3	8.9	6.5	7.8	8.1	6.7	96	
104	-	-	-	-	-	7.4	8.6	7.9	7.9	7.3	4.8	6.2	6.4	5.2	104	
112	-	-	-	-	-	-	7.2	7.0	6.6	5.9	3.5	4.8	5.0	3.9	112	
120	-	-	-	-	-	-	-	6.1	5.5	4.8	2.4	3.7	3.7	2.8	120	
128	-	-	-	-	-	-	-	4.3	4.4	3.7	-	2.6	2.8	-	128	
136	-	-	-	-	-	-	-	-	3.5	2.8	-	1.7	1.9	-	136	
144	-	-	-	-	-	-	-	-	2.2	2.0	-	-	-	-	144	

 19,800 lb		 26.6 ft x 23.6 ft		360°		85 %									
 39.4 ft	53.5 ft	67.3 ft	81.4 ft	95.5 ft	109.6 ft	123.4 ft	132.5 ft	146.7 ft	163.7 ft	165.4 ft	167.0 ft	179.1 ft	194.9 ft		
ft	1,000 lb													ft	
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	10	
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	12	
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	14	
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	16	
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	18	
20	58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	20	
24	58.0	58.0	58.0	58.0	58.0	53.5	48.7	-	-	-	-	-	-	24	
28	57.6	58.0	58.0	58.0	55.4	51.3	46.7	-	-	-	-	-	-	28	
32	49.8	51.8	52.0	51.3	50.2	46.8	43.5	37.2	-	-	-	-	-	32	
36	-	43.3	43.5	42.7	43.6	40.7	37.9	34.1	30.2	-	-	-	-	36	
40	-	35.6	37.5	37.3	36.5	35.0	32.9	30.7	28.4	18.0	23.0	20.9	17.9	-	40
48	-	-	27.9	27.7	27.0	26.9	26.4	24.2	22.5	16.6	21.1	19.7	17.6	12.6	48
56	-	-	21.5	21.2	21.8	21.5	20.7	20.5	19.0	15.1	17.1	17.9	16.4	12.6	56
64	-	-	-	17.6	17.6	17.4	17.1	16.6	16.2	13.9	13.1	14.6	13.7	12.1	64
72	-	-	-	14.4	14.4	14.4	14.2	13.5	12.9	12.6	10.0	11.5	11.1	9.5	72
80	-	-	-	-	12.2	11.7	11.5	10.7	10.9	10.2	7.6	8.9	8.5	7.2	80
88	-	-	-	-	8.1	9.5	9.3	9.2	8.8	8.0	5.5	6.9	6.6	5.2	88
96	-	-	-	-	-	7.8	7.5	7.8	6.9	6.2	3.8	5.1	5.0	3.7	96
104	-	-	-	-	-	6.6	6.1	6.2	5.5	4.8	2.4	3.7	3.9	2.6	104
112	-	-	-	-	-	-	5.0	5.0	4.3	3.7	-	2.6	2.6	-	112
120	-	-	-	-	-	-	-	4.0	3.3	2.7	-	-	-	-	120
128	-	-	-	-	-	-	-	2.4	2.5	-	-	-	-	-	128
136	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	136

 13,400 lb		 26.6 ft x 23.6 ft		360°		85 %									
 	39.4 ft	53.5 ft	67.3 ft	81.4 ft	95.5 ft	109.6 ft	123.4 ft	132.5 ft	146.7 ft	163.7 ft	165.4 ft	167.0 ft	179.1 ft	194.9 ft	
ft	1,000 lb														ft
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	10
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	12
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	14
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	16
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	18
20	58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	20
24	58.0	58.0	58.0	58.0	57.5	53.5	48.7	-	-	-	-	-	-	-	24
28	54.8	56.0	56.2	55.2	53.0	49.7	45.8	-	-	-	-	-	-	-	28
32	45.0	47.4	47.7	47.4	46.7	42.6	39.9	36.7	-	-	-	-	-	-	32
36	-	39.2	39.4	40.8	39.5	36.8	34.3	31.9	29.1	-	-	-	-	-	36
40	-	33.0	33.9	33.9	33.0	32.8	30.3	27.8	25.9	18.0	22.9	20.9	17.9	-	40
48	-	-	24.9	24.9	25.3	24.9	24.0	22.9	20.8	16.6	19.0	19.3	17.4	12.6	48
56	-	-	18.9	19.6	19.8	19.3	19.1	18.4	17.8	15.1	14.3	15.9	14.5	12.3	56
64	-	-	-	15.8	15.7	15.8	15.4	14.7	14.0	13.2	10.6	12.2	11.7	10.0	64
72	-	-	-	12.6	12.9	12.4	12.2	11.7	11.5	10.4	7.8	9.1	8.9	7.3	72
80	-	-	-	-	10.3	10.0	9.6	9.8	9.1	8.3	5.5	7.0	6.5	5.2	80
88	-	-	-	-	8.1	8.2	7.7	7.8	7.1	6.3	3.9	5.2	4.8	3.5	88
96	-	-	-	-	-	6.6	6.1	6.2	5.5	4.8	2.4	3.7	3.5	2.2	96
104	-	-	-	-	-	5.2	4.8	4.8	4.1	3.5	-	2.4	2.3	-	104
112	-	-	-	-	-	-	3.7	3.7	3.0	2.4	-	-	-	-	112
120	-	-	-	-	-	-	-	2.9	2.2	-	-	-	-	-	120

 9,900 lb		 26.6 ft x 23.6 ft		360°		85 %									
 	39.4 ft	53.5 ft	67.3 ft	81.4 ft	95.5 ft	109.6 ft	123.4 ft	132.5 ft	146.7 ft	163.7 ft	165.4 ft	167.0 ft	179.1 ft	194.9 ft	
ft	1,000 lb														ft
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	10
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	12
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	14
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	16
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	18
20	58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	20
24	58.0	58.0	58.0	58.0	56.5	53.4	48.7	-	-	-	-	-	-	-	24
28	53.0	54.3	54.4	53.5	51.5	48.0	44.3	-	-	-	-	-	-	-	28
32	42.2	44.5	44.7	45.6	44.1	40.6	37.3	34.5	-	-	-	-	-	-	32
36	-	36.6	38.3	38.5	37.2	35.1	32.1	30.1	27.9	-	-	-	-	-	36
40	-	30.8	31.9	31.7	30.8	30.2	28.3	26.9	24.8	18.0	22.7	20.9	17.9	-	40
48	-	-	23.2	23.1	24.1	23.2	22.7	21.1	20.2	16.6	17.0	18.8	16.8	12.6	48
56	-	-	17.5	18.5	18.2	18.4	17.8	17.4	16.2	14.8	12.7	14.3	13.6	11.4	56
64	-	-	-	14.4	14.6	14.4	14.2	13.3	13.2	12.0	9.3	10.6	10.1	8.5	64
72	-	-	-	11.5	11.5	11.3	11.1	11.1	10.4	9.1	6.5	7.8	7.5	6.0	72
80	-	-	-	-	9.2	9.1	8.7	8.7	8.0	7.0	4.4	5.7	5.5	3.9	80
88	-	-	-	-	7.6	7.2	6.7	6.9	6.1	5.3	2.8	4.2	3.9	2.4	88
96	-	-	-	-	-	5.7	5.3	5.3	4.6	3.9	-	2.8	2.5	-	96
104	-	-	-	-	-	4.5	4.1	4.1	3.4	2.8	-	-	-	-	104
112	-	-	-	-	-	-	3.0	3.0	2.4	-	-	-	-	-	112
120	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	120

Basic equipment

Carrier

Engine 340-4	MTU; Output 340 kW (462 HP) at 1700 1/min, torque 2200 Nm at 1300 1/min; certifications in accordance with EURO MOT 4, TIER 4, CARB; Stainless steel exhaust system with certified spark arrestor.
Fuel tank 400	106 gallons; Fuel: Diesel.
Transmission AS12INT	ZF AS-Tronic; Automated gearbox with integrated hydraulic retarder, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable off-road gear and switchable longitudinal lock.
Axles 8 x 6 x 8	8 x 6 x 8; 4 axles, axles 1, 2, 4 driven and equipped with selectable transverse lock; All axles steered.
Suspension	Hydropneumatic suspension with axle load compensation; Hydraulically lockable; Manual or automatic levelling alternatively.
Steering	Dual circuit hydro servocom steering with emergency steering pump; Active rear axle steering (axles 3 and 4) with 6 different steering programs.
Brakes	Pneumatic dual circuit service brake with antilock system, acting on all wheels; Disc brakes; Additional exhaust brake and constant throttle valve; Spring-loaded parking brake.
Wheels 38595 170F	385/95R25 170F (14.00R25); Steel rims 9,50-25/1,7" CR.
Cab carrier 2550	Type 8.4 ft; Adjustable driver seat with seat heating, armrests and pneumatic suspension; Steering wheel height and tilt adjustable; Power door windows; Tinted glass; Air condition and radio preparation; 2 integrated rotary beacons; Storage area.
Heating engine-dependent 12	Engine-dependent warm water heating with 12 kW heating power.
Drive lights	With low beam, upper beam, daytime running lights.
Tempomat	Automatic speed control including automatic brake control.
Electronic immobiliser system	Prevents uncontrolled carrier mobilisation; Incl. 2 electronic keys and 4 ignition keys.
Miscellaneous	Ascendancies; Pneumatic tire filling plug.

Crane

Telescopic boom HA50	39.0 ft - 164.0 ft; Single cylinder telescoping system, manual or automatic telescoping alternatively; Attachments for all equipment and extensions; 5 sheaves integrated in boom head for max. capacity of 142,200 lb.
Counterweight EG21	44,500 lb, 5 pieces; Automatic rigging system; Expandable to max. 55,600 lb; 44,500 lb can be carried on board as standard; 9,900 lb fixed at crane tail.
Outriggers	H-4-Point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively on both sides of carrier; 4 outrigger bases.
Outrigger basis monitoring	Surveillance of each outrigger beam for visual comparison with the programmed outrigger basis; Displayed in LMI crane cab (Attention – there is no automatic linkage with the LMI system).
Outrigger pads 028	4 outrigger pads A = 0.92 ft² with transport position at vertical cylinder.
Boom luffing	Single luffing cylinder with automatic lowering brake valve.
Rotary drive	Single slewing gear unit with spring-loaded multi-disc brake.
H1	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator).
Engine 129-4	MTU; Output 129 kW (175 HP) at 2200 1/min, torque 750 Nm at 1200 1/min; certifications in accordance with EURO MOT 4, TIER 4, CARB; Exhaust system cpl. stainless steel, incl. spark arrestor.
Fuel tank 200	53 gallons; Fuel: Diesel.
Drive	Hydraulic system with power control; Hydraulic oil cooler.
Control system	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks.
Operator aids	IC-1, with integrated load moment indicator acc. EN13000; Colour 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.
Cab crane 0875	Type 2.9 ft; Tilt variable 20°; Seat heating; Fold-out front window; Extendable side and foldable front pedestal; Handrails; Tinted safety glass; Pull-down sun visor and light curtains; Air condition and radio preparation.
Heating engine-dependent 12	Engine-dependent warm water heating with 12 kW heating power.

Diverse

Illumination	1 x adjustable for work prefled at crane cab, 4 x for outriggers.
Rotary beacons 2	2 x integrated on carrier cab, 2 x disconnectable on crane tail.
Contour safety marking	Continuous, yellow reflecting bands at carrier sides and tail.
Stepladder	Loose stepladder for misc assembly work; Incl. transport storage.



Options

Carrier

Axles 8 x 8 x 8	8 x 8 x 8; All 4 axles steered and permanently driven and equipped with selectable transverse lock.
Counterweight „b“ transport storage on carrier tail	Support frame for storing counterweight „b“ à 6,400 lb on carrier tail; Required to carry 19,800 lb counterweight on board.
Wheels 44595 174F	445/95R25 174F (16.00R25); Steel rims 11,00-25/1,7" CR.
Wheels 52580 179E	525/80R25 179E (20.50R25); Steel rims 17,00-25/1,7" CR; Incl. carrier broadening to 9.0 ft.
Auxiliary heating engine independent carrier 10	Auxiliary, engine independent Diesel heating system with 10 kW heating power; With timer; Switchable between engine block and carrier cab.
Air condition carrier 7	Air condition for carrier cab with 7 kW cooling power.

Crane

Telescopic boom HA60	39.4 ft - 194.9 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 5 sheaves integrated in boom head for max. capacity of 142,200 lb.
Remote control RK	Full control of rigging and crane movements via wireless remote control.
S1V	Heavy lift attachment stage 1; 2-sheave; Dis-/connectable; For total 7 sheaves at boom head and max. capacity of 176,400 lb.
H2X	2. hoist; Spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. quick couplings and transport storage; Self-rigging; Enables 2-hook operation with all extensions.
Counterweight NEG21	Version for countries with special road regulations; Enables self-downrigging < 88,200 lb total weight and axle loads < 26,500 lb; Total 45,600 lb à 6 pieces; Automatic rigging system, expandable to max. 56,000 lb; Individual technical verification required.
Additional counterweight EG	11,000 lb, 2 pieces; For max. 55,600 lb à 7 pieces; Only in combination with counterweight EG21.
Additional counterweight NEG	10,400 lb, 1 piece; For max. 56,000 lb à 7 pieces; Only in combination with counterweight NEG21.
Quick connection HA2	Hydraulic bolt extractors and hydraulic and electric quick couplings for fast (dis-) assembly; Incl. transport storage for luffing cylinder.
Outrigger load indicator	Displayed in LMI crane cab.
Moving out of crane cab	Control of carrier out of crane cab, enables machine moving when rigged, possible even under load.
Auxiliary heating engine independent crane 5	Auxiliary, engine independent Diesel heating system with 5 kW heating power; With timer and remote start; Switchable between engine block and carrier cab.
Air condition crane 7	Air condition in crane cab with 7 kW cooling power.

Extensions

HAV19	33.1 ft / 62.3 ft; Double folding swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage; Includes HAV10; Operation with HA or VA.
HAV27	88.6 ft; Variable extension with swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage; Includes HAV19.
HAV-HY	Hydraulic, stepless offset 0°-40°, instead of the manual offset; For HAV10, respectively HAV19 and HAV27.
MSF2	4.9 ft; Fixed assembly jib, 2-sheaves for max. capacity 58,600 lb; Incl. transport storage at boom head.
R1	Swing-away rooster sheave; Incl. transport storage; For single-reveing operation with elevated hook height.

Diverse

Refinery package 2M	Engine emergency stop device, with air shut-off damper, for carrier and crane.
Dolly preparation 4PV	4-point support brackets enable individual positioning of a dolly; Incl. freewheel for slewing gear unit and luffing cylinder, quick couplings for brake air and electrics; Dolly and dollyadapter are not included.
Hook block 100-7-18-D	100-7-18-D (1,650 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 80-5-18-D	80-5-18-D (1,430 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 80-5-18-E	80-5-18-E (1,430 lb); Hook block with single hook; white with red signal stripes.
Hook block 50-3-18-D	50-3-18-D (1,210 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 50-3-18-E	50-3-18-E (1,210 lb); Hook block with single hook; white with red signal stripes.
Hook block 20-1-18-E	20-1-18-E (662 lb); Hook block with single hook; white with red signal stripes.
Hook 8-0V-18-E	8-0V-18-E (374 lb); Single hook with vertical swivel; red.

NOTES TO LIFTING CAPACITY

AC 100/4(L)

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.

The telescopic loads stated in the capacity chart are valid under the following conditions:

- The sliding areas of the telescopes must be lubricated well.
- The surroundings temperature has to be normal (considerable reductions must be expected below 0 °C).
- The radius in the chart is given for the end length of the telescopic sequence.
- The capacities are valid for extending and retracting the telescopic section.
- The telescopic loads are only valid for moving the last section of the sequence. The curve for e. g. 0-0-45-90-90 % is only valid for telescoping from 0-0-0-90-90 % to 0-0-45-90-90 % and back, but not for 0-0-0-0-0 % to 0-0-45-90-90 %!
- The telescopic loads are based on the telescoping ability of the boom. The loads to be telescoped must never exceed the loads in the load chart as tipping of the crane may occur.
- The most advantageous individual telescoping sequence is shown. Other telescoping sequences for the same boom length will result in lower lifting capacities for telescoping. Refer to the machine's documentation for these lifting capacity values.

Effective Date: February 2015.

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 appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly 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 Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries.

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