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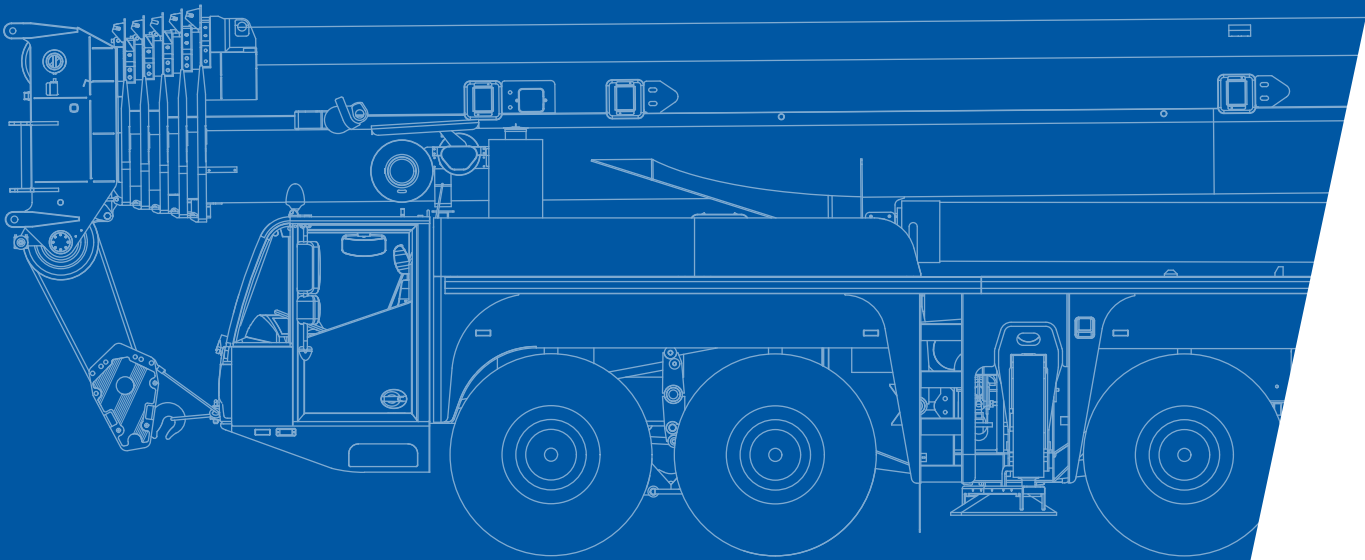
To help our customers understand certain critical data points that factor into purchasing crane mats, Raptor Tech maintains a repository of technical documents with data from all major crane manufacturers.

You can visit Raptor Tech's repository to get crane specifications and technical details for crane models in addition to this model at:

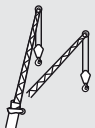
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AC 350-6



**All Terrain Crane
400 USt Capacity class**

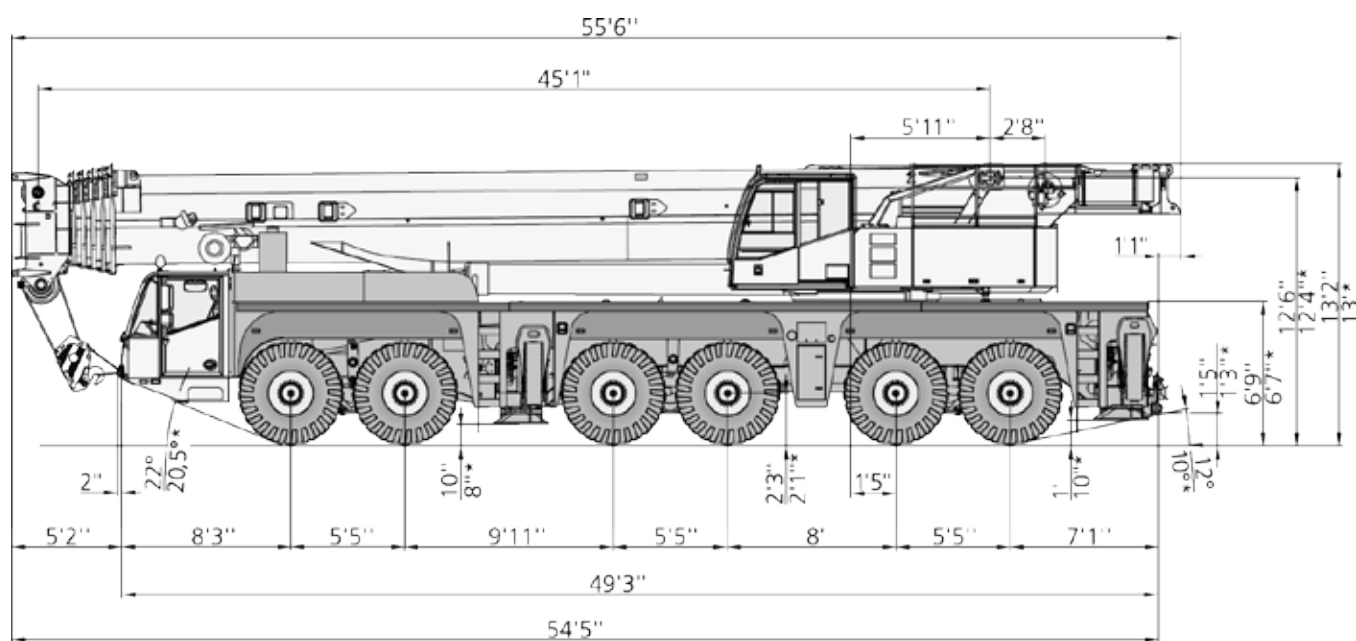
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	Counterweight
	Lifting capacities on outriggers · 360°
	Radius
	Main boom
	Folding swing-away jib
	Fixed fly jib
	Luffing fly jib
	Runner
	Adapter
	Max. axle loads
	Mechanism
	Tires
	Hook block
	Hoist
	Dolly
	Superlift
	Travel speed
	Gradeability – road
	Gradeability – off road

	Slewing
	Boom telescoping
	Boom elevation
	Angle of extension
	Workings 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)
	Front outrigger
	Rear outrigger

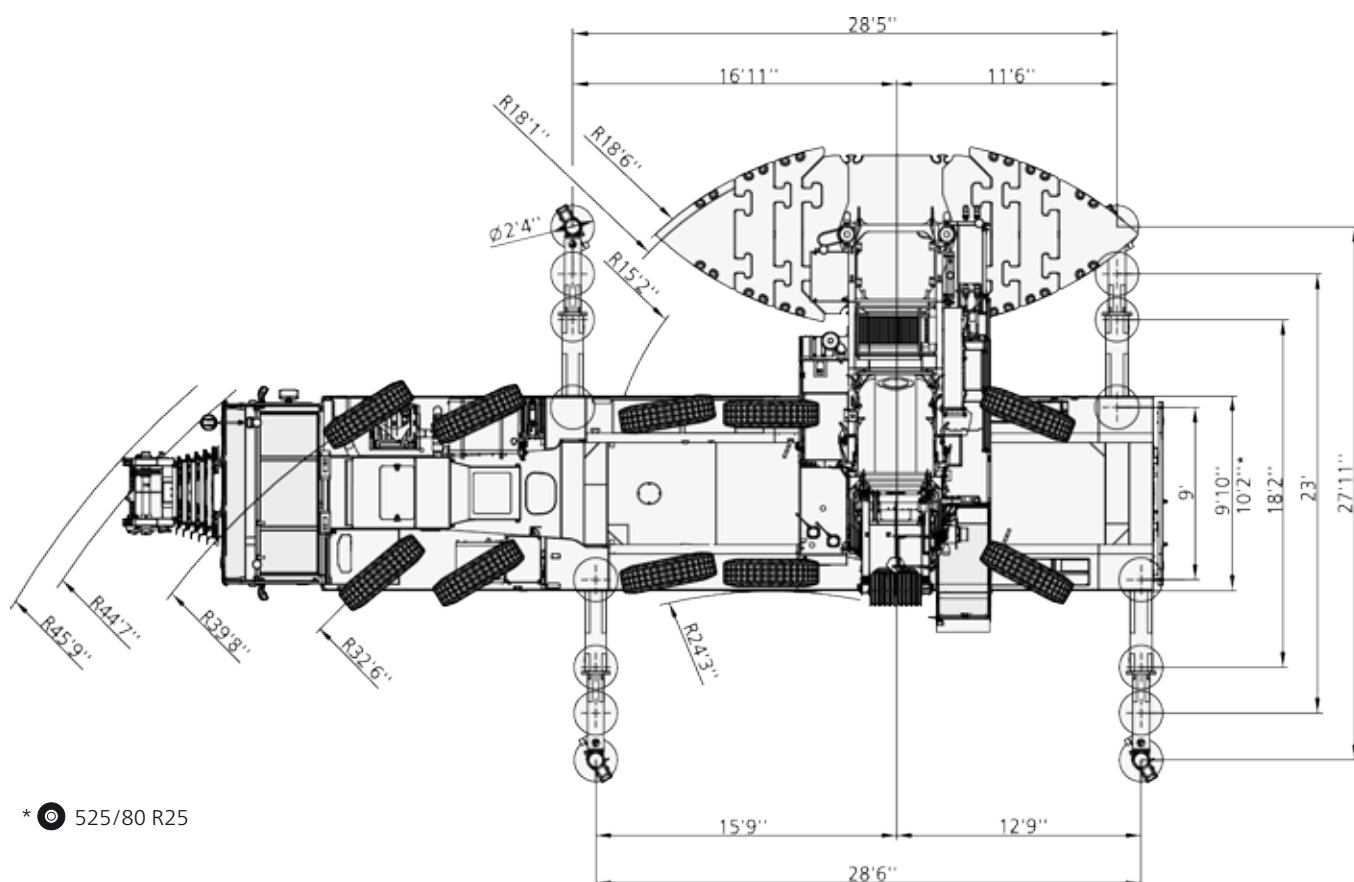
Dimensions

AC 350-6

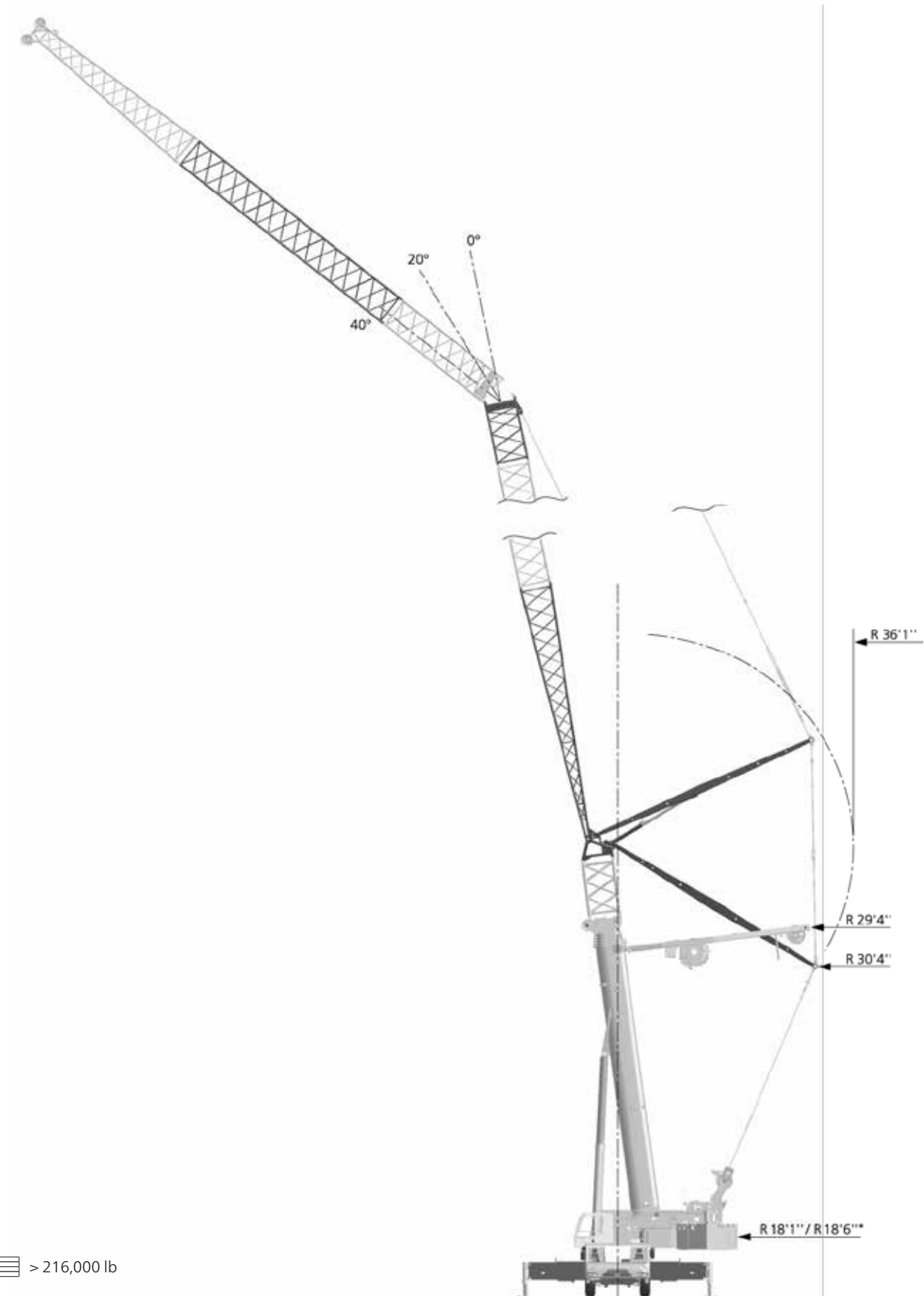


445/95 R25 / 525/80 R25

*  385/95 R25



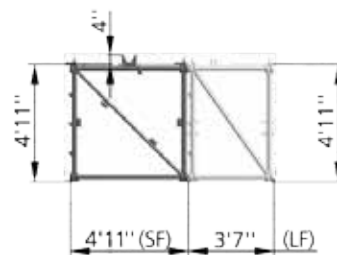
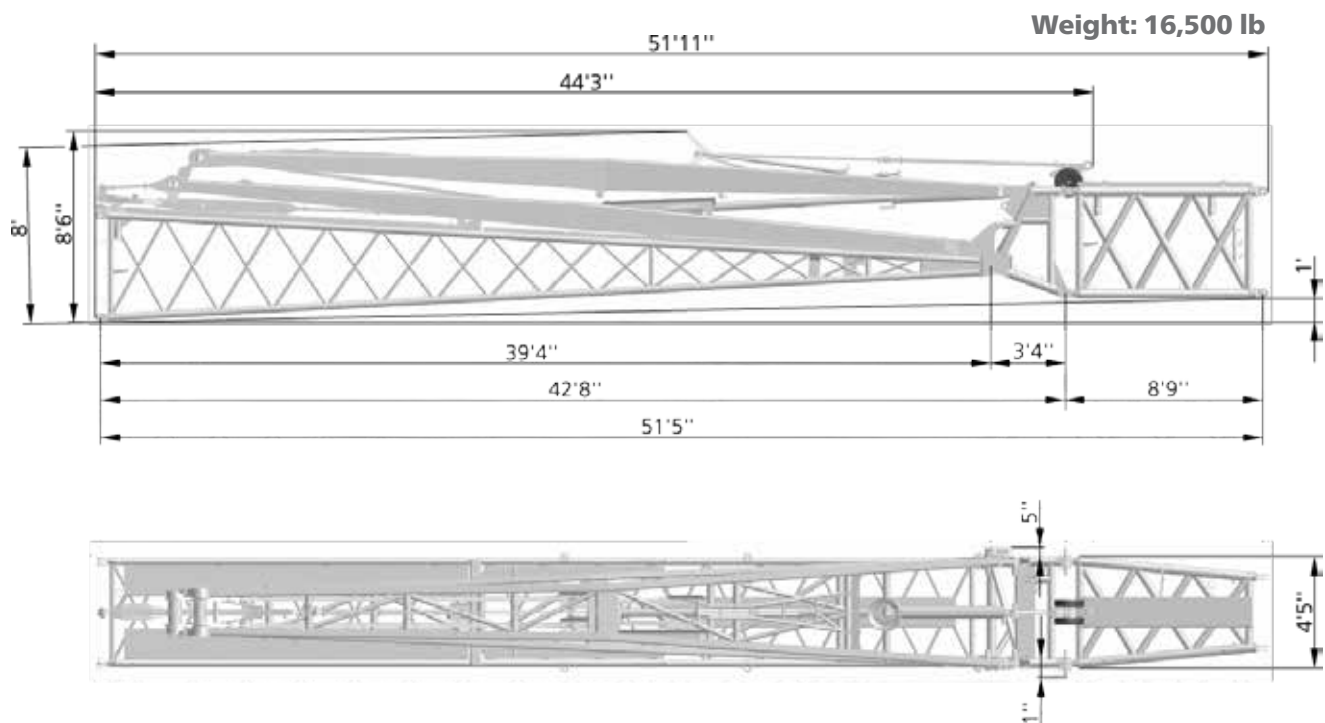
* 525/80 R25



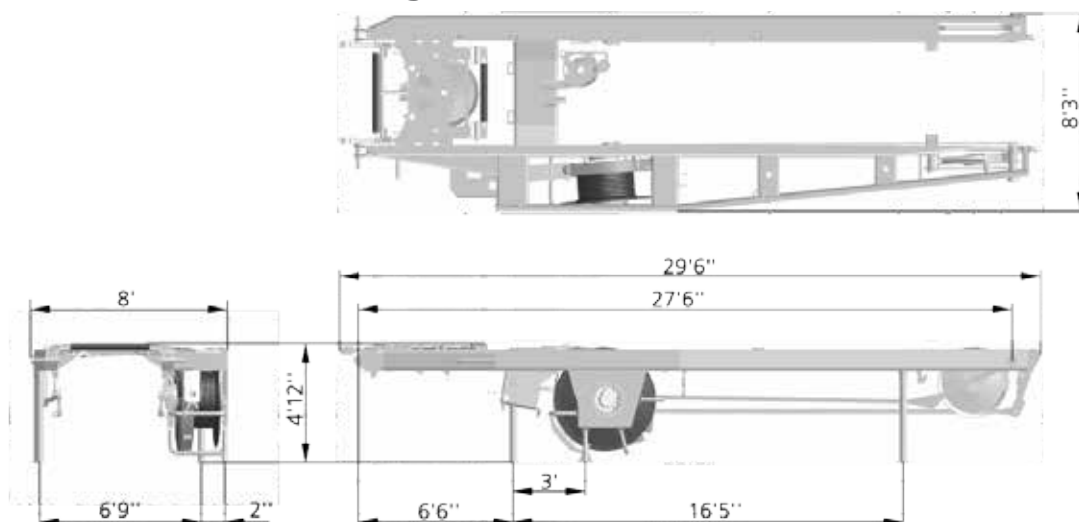
*  > 216,000 lb

Dimensions

AC 350-6



Weight: 12,800 lb

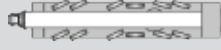


DEMAG®
BY TEREX

Specifications

AC 350-6

									
	Total								
< 26,500 lb	On request and technical verification								X
26,500 lb	158,800 lb	12 x 8 x 10	525/80R25	40-1-23	–	X	–	–	–

	1 Highway > 28 mph Axles 4-6 rigid		2 City < 28 mph Axles 5+6 with speed dependent steering		4* Off-wall No tail swing
	3* Minimum turning radius < 3 mph Axles 5+6 steered automatically		5* Crab steer mode All axles in the same direction		6* Manually steered Axles 5+6 manually steerable
* must be activated					

			
	249,100 lb	284,400 lb	52.8 mph ¹⁾
	19.3"	22.0"	

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
	49 %	44 %	44 %
	77 %	67 %	67 %

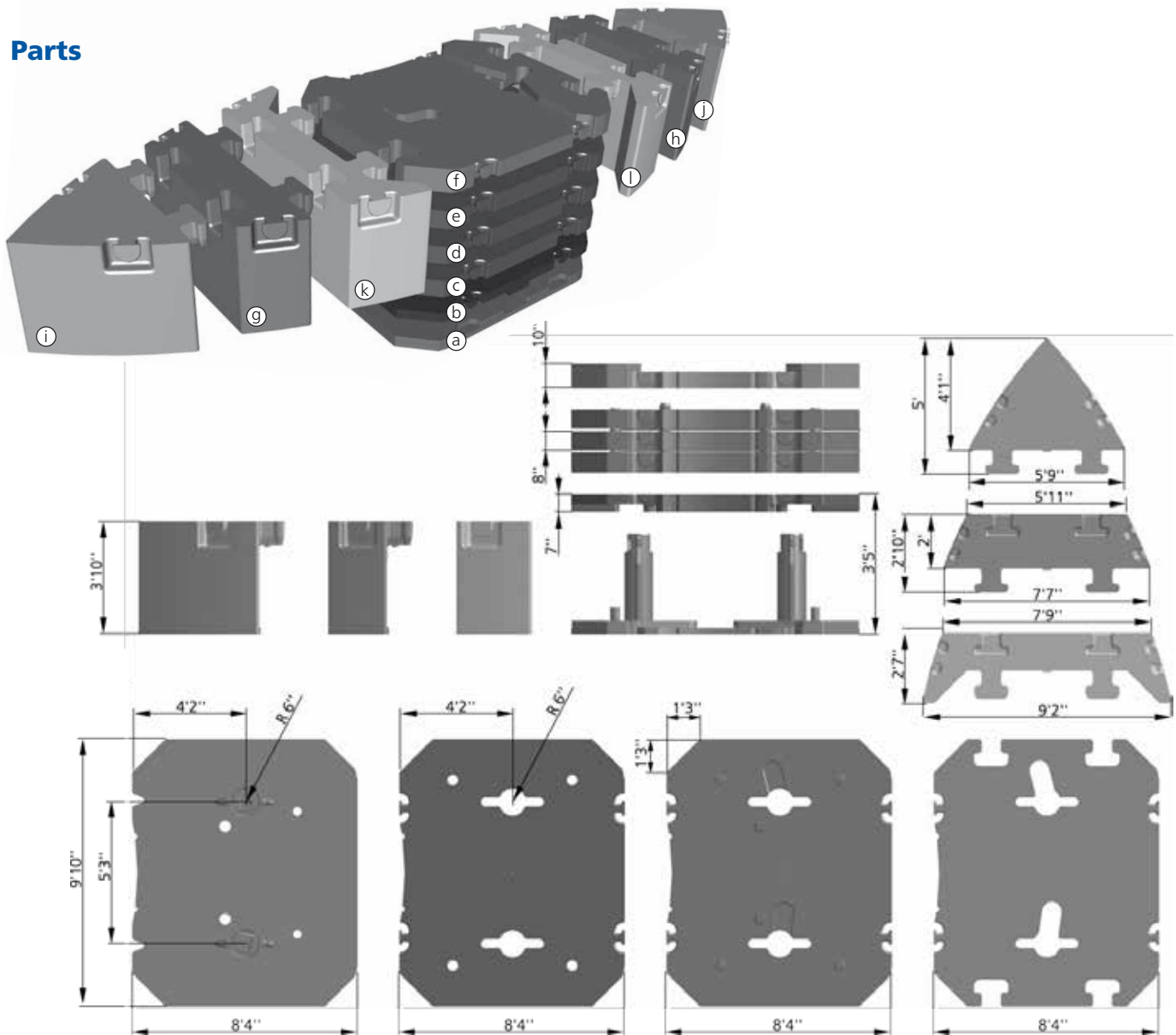
				
				
1	381 ft/min	25,600 lbf	0.91"	1247 ft
2	381 ft/min	25,600 lbf	0.91"	1591 ft
	1,0 min ⁻¹			
	440 s (44.9-210 ft)			
	60 s (0°-83°)			

					
1	25,400	12-0-24	6	1,100 lb	6.6 ft
2	50,500	40-1-23	6	1,650 lb	8.9 ft
3	75,400	40-1-23	6	1,650 lb	8.9 ft
4	100,100	80-3-23	6	2,320 lb	9.8 ft
5	124,400	80-3-23	6	2,320 lb	9.8 ft
6	148,600	80-3-23	6	2,320 lb	9.8 ft
7	172,400	80-3-23	6	2,320 lb	9.8 ft
8	196,000	125-5-23	6	2,650 lb	9.8 ft
9	219,400	125-5-23	6	2,650 lb	9.8 ft
10	242,800	125-5-23	6	2,650 lb	9.8 ft
11	265,700	125-5-23	6	2,650 lb	9.8 ft
12	288,400	160-7-23	6	3,750 lb	9.8 ft
13	310,900	160-7-23	6 + 4	3,750 lb	9.8 ft
14	333,200	160-7-23	6 + 4	3,750 lb	9.8 ft
15	355,200	200-9-23	6 + 4	3,750 lb	9.8 ft
16	377,000	200-9-23	6 + 4	4,410 lb	9.8 ft
17	398,700	200-9-23	6 + 4	4,410 lb	9.8 ft
18	420,000	200-9-23	6 + 4	4,410 lb	9.8 ft
19	441,000	200-9-23	6 + 4	4,410 lb	9.8 ft

Counterweight

AC 350-6

Parts



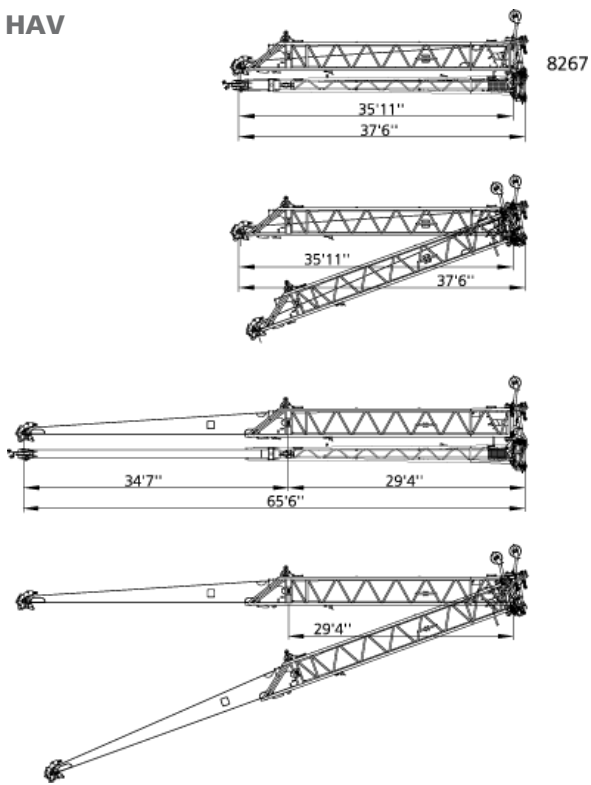
Configurations

	Ⓐ 17.6 kip	Ⓑ 14.3 kip	Ⓒ 22.3 kip	Ⓓ 22.3 kip	Ⓔ 22.3 kip	Ⓕ 20.9 kip	Ⓖ 22.9 kip	Ⓗ 22.9 kip	Ⓙ 22.9 kip	Ⓚ 22.9 kip	Ⓛ 22.9 kip
17,600 lb	X										
32,000 lb	X	X									
39,900 lb	X		X								
54,200 lb	X	X	X								
76,500 lb	X	X	X	X							
98,800 lb	X	X	X	X	X						
119,700 lb	X	X	X	X	X	X					
165,600 lb	X	X	X	X	X	X				X	X
165,600 lb	X	X	X	X	X	X	X	X			
211,500 lb	X	X	X	X	X	X	X	X	X	X	
211,500 lb	X	X	X	X	X	X	X	X			X
257,300 lb	X	X	X	X	X	X	X	X	X	X	X

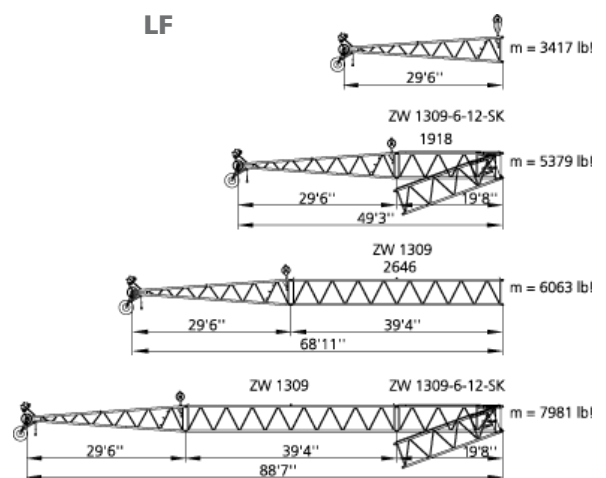
Boom Combinations

AC 350-6

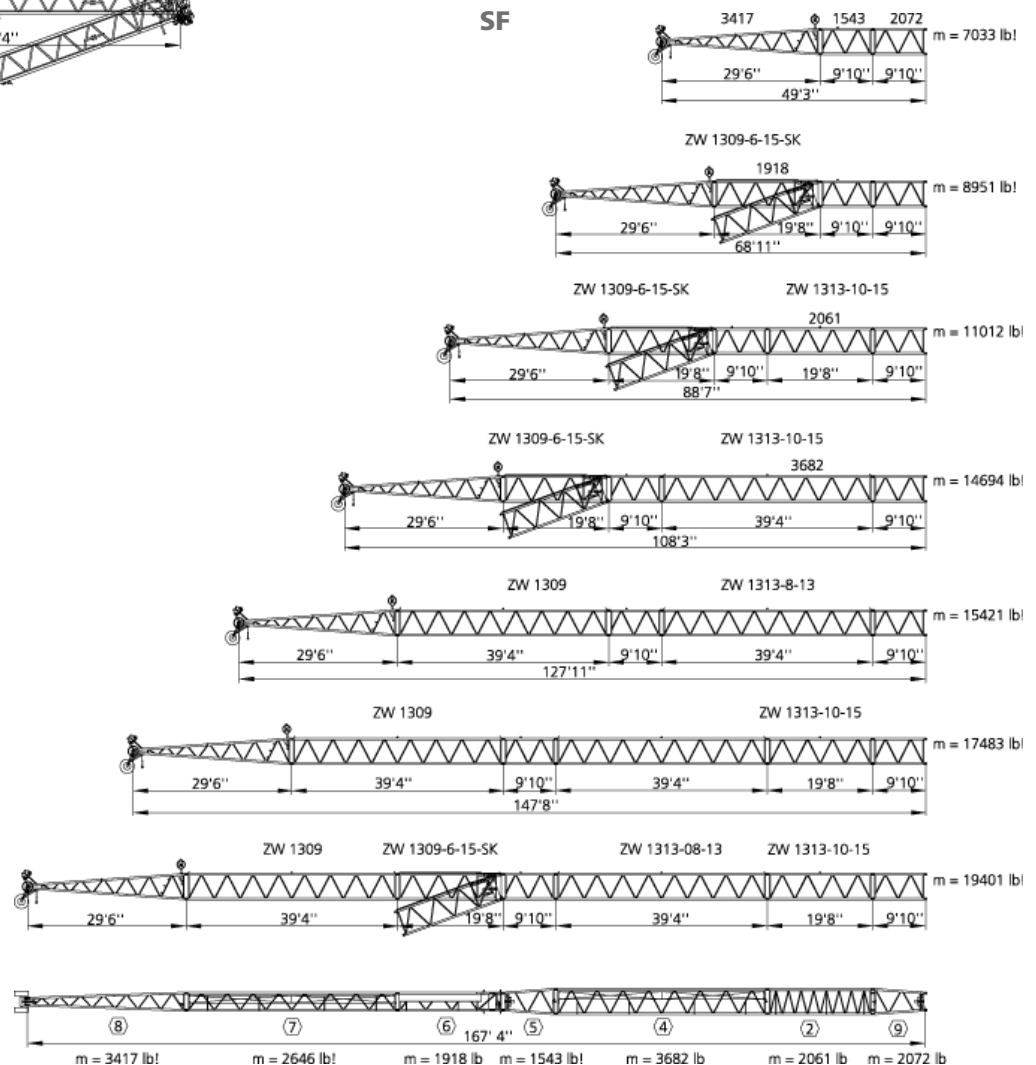
HAV



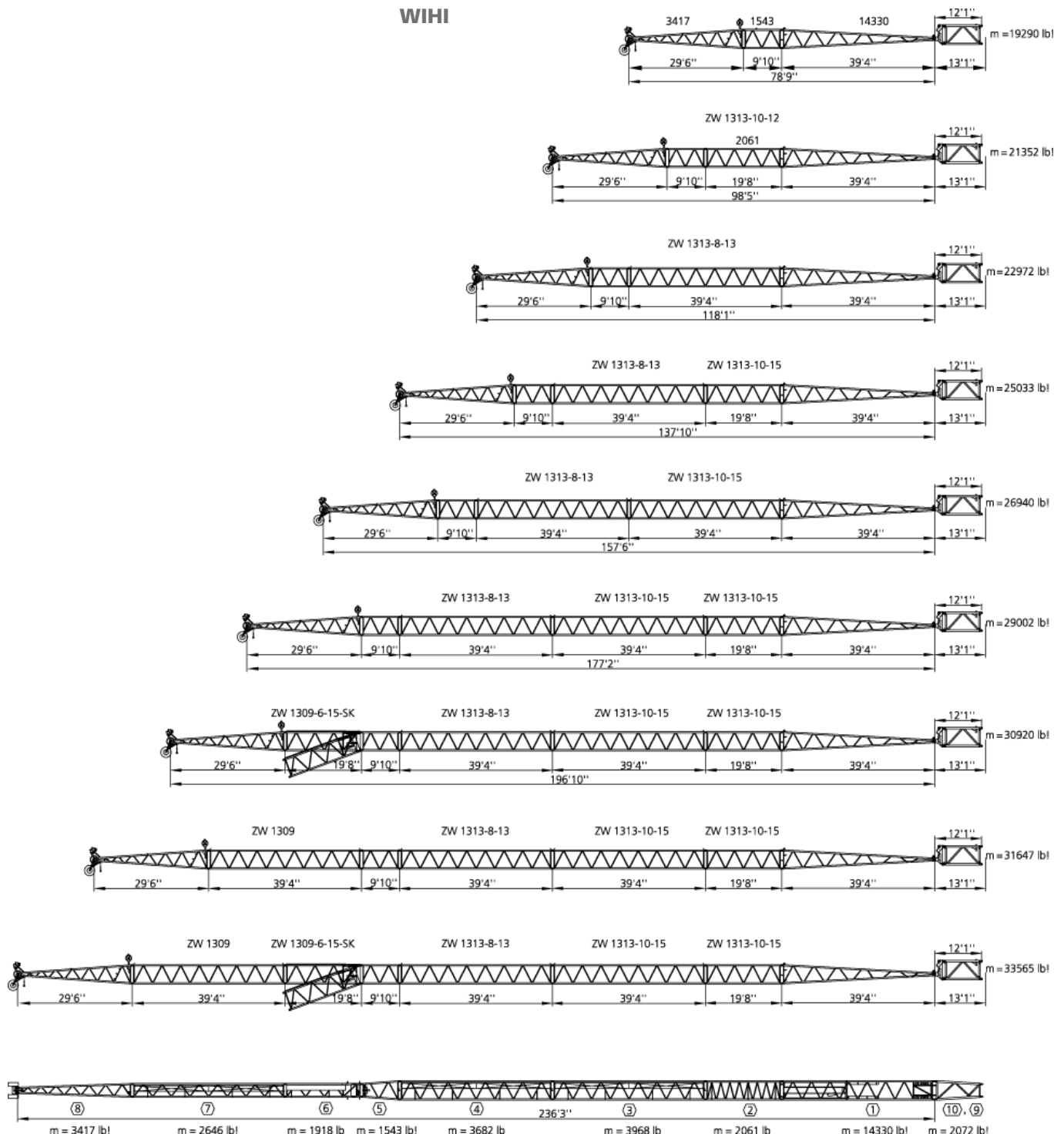
LF



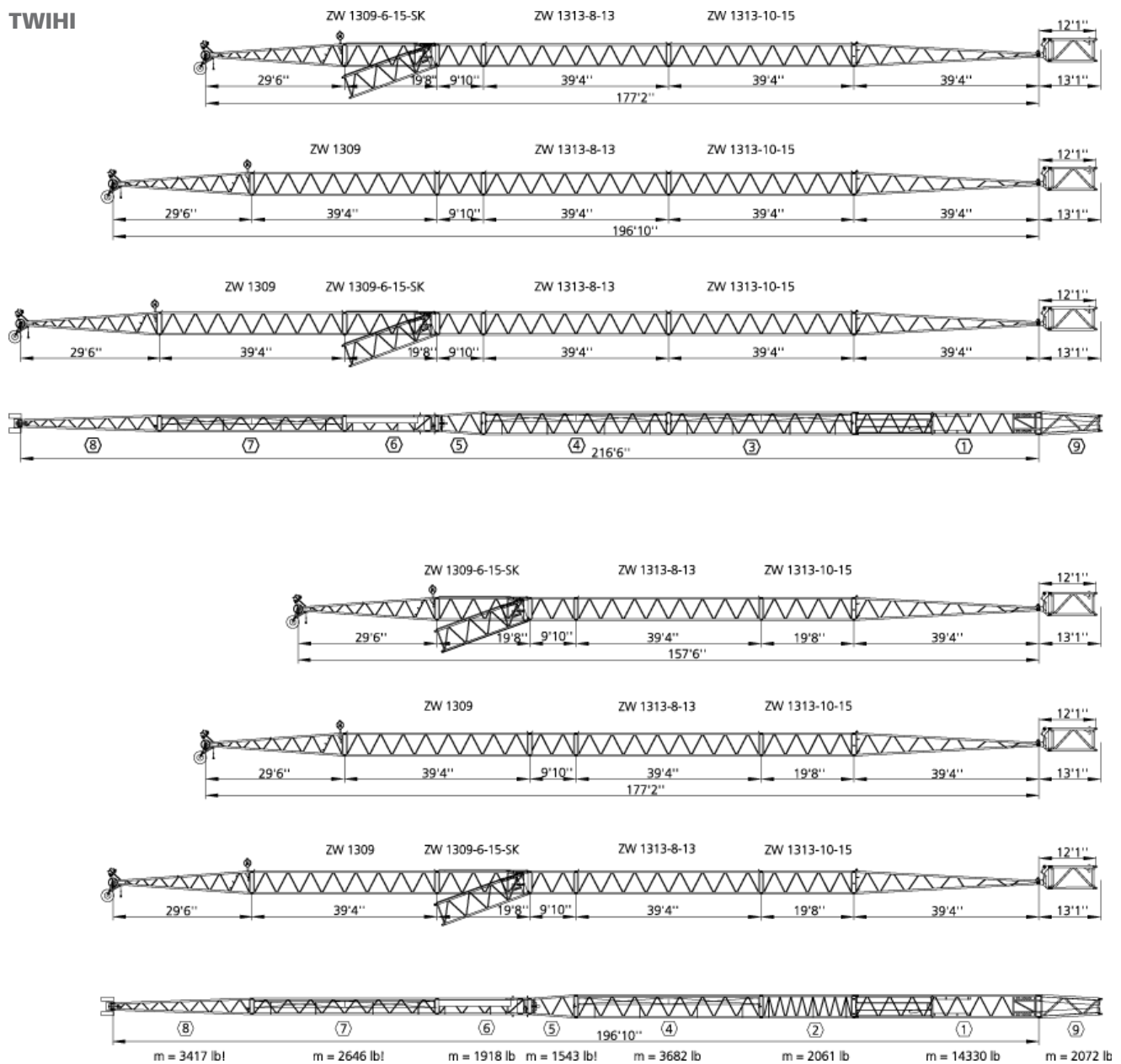
SF



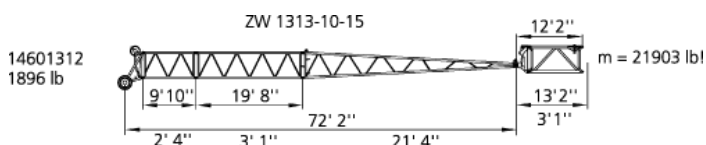
WIHI



TWIHI

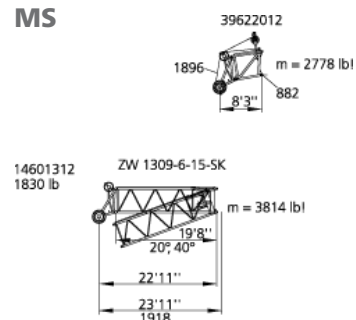


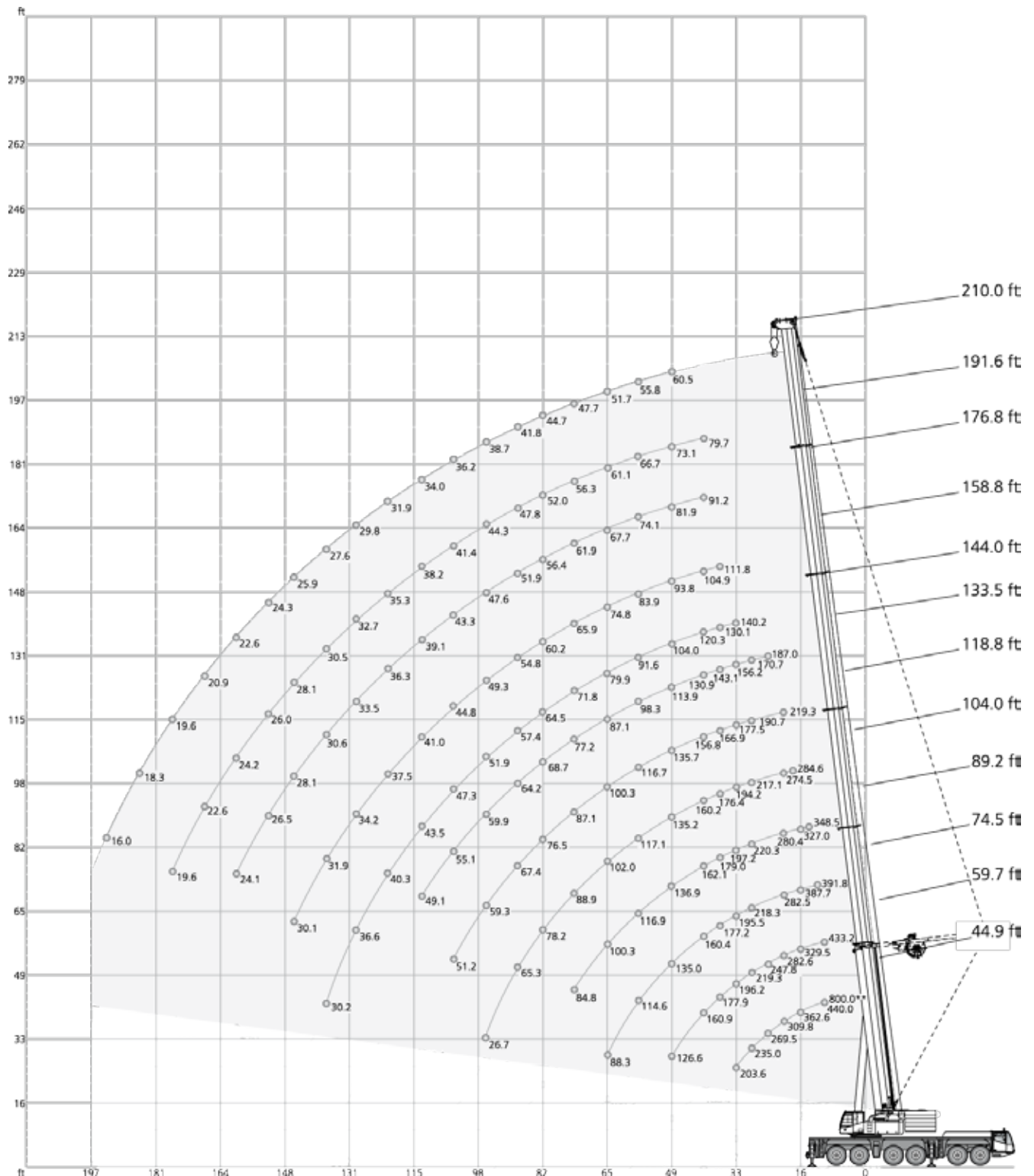
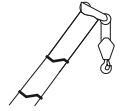
SWIHI



14601312
1896 lb

MS





** Capacity class

 257,300 lb		 28.5 ft x 27.9 ft		360°												85%	
 0°	(ft)																
	44.9	59.7	74.5	89.2	104.0	118.8	133.5	144.0	158.8	176.8	191.6	210.0	210.0*				
ft	1,000 lb																
	800.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10	440.0	437.1	433.2	-	-	-	-	-	-	-	-	-	-	-	-		
12	422.6	391.8	392.9	391.8	-	-	-	-	-	-	-	-	-	-	-		
14	392.8	357.4	358.5	357.9	348.5	-	-	-	-	-	-	-	-	-	-		
16	362.6	328.4	329.5	328.7	327.0	-	-	-	-	-	-	-	-	-	-		
18	335.2	304.2	305.3	304.8	303.1	284.6	-	-	-	-	-	-	-	-	-		
20	309.8	281.4	282.6	282.5	280.4	274.5	219.3	233.2	-	183.1	-	-	-	-	-		
24	269.5	245.5	247.8	246.6	248.1	245.5	204.6	226.1	187.0	176.8	-	149.4	-	-	-		
28	235.0	217.3	219.3	218.3	220.3	217.1	190.7	211.1	170.7	170.8	-	144.7	-	119.6	-		
32	203.6	194.4	196.2	195.5	197.2	194.2	177.5	188.8	156.2	165.2	140.2	140.4	-	116.6	-		
36	-	-	177.9	177.2	179.0	176.4	166.9	171.2	143.1	159.1	130.1	136.2	111.8	113.6	-		
40	-	-	160.9	160.4	162.1	160.2	156.8	155.2	130.9	151.9	120.3	132.2	104.9	110.7	91.2		
48	-	-	126.6	135.0	136.9	135.2	135.7	131.3	113.9	128.2	104.0	123.6	93.8	105.3	81.9		
56	-	-	-	114.6	116.9	117.1	116.7	112.5	98.3	110.1	91.6	108.8	83.9	100.6	74.1		
64	-	-	-	88.3	100.3	102.0	100.3	96.6	87.1	95.3	79.9	94.6	74.8	93.3	67.7		
72	-	-	-	-	84.8	88.9	87.1	83.4	77.2	82.3	71.8	82.5	65.9	82.7	61.9		
80	-	-	-	-	-	78.2	76.5	72.7	68.7	71.6	64.5	71.9	60.2	72.8	56.4		
88	-	-	-	-	-	65.3	67.4	63.3	64.2	62.2	57.4	62.6	54.8	63.5	51.9		
96	-	-	-	-	-	26.7	59.3	54.7	59.9	54.4	51.9	54.7	49.3	55.6	47.6		
104	-	-	-	-	-	-	51.2	43.6	55.1	47.9	47.3	48.2	44.8	49.0	43.3		
112	-	-	-	-	-	-	-	-	49.1	41.3	43.5	42.5	41.0	43.4	39.1		
120	-	-	-	-	-	-	-	-	-	-	40.3	37.4	37.5	38.4	36.3		
128	-	-	-	-	-	-	-	-	-	-	36.6	30.9	34.2	34.3	33.5		
136	-	-	-	-	-	-	-	-	-	-	30.2	21.9	31.9	30.4	30.6		
144	-	-	-	-	-	-	-	-	-	-	-	30.1	23.9	28.1	28.6		
152	-	-	-	-	-	-	-	-	-	-	-	-	26.5	25.0	26.0		
160	-	-	-	-	-	-	-	-	-	-	-	-	24.1	19.1	24.2		
168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.6		
176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.6		
184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5		
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.0		



** Capacity class

 211,400 lb		 28.5 ft x 27.9 ft		360°		85%							
 	44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft	
ft	1,000 lb												ft
10	425.6	426.7	-	-	-	-	-	-	-	-	-	-	10
12	386.3	387.4	386.7	-	-	-	-	-	-	-	-	-	12
14	352.4	353.5	352.9	346.7	-	-	-	-	-	-	-	-	14
16	324.0	325.1	324.0	322.9	-	-	-	-	-	-	-	-	16
18	299.8	301.5	300.4	299.3	284.6	-	-	-	-	-	-	-	18
20	277.1	279.2	278.2	277.3	274.2	219.3	-	-	-	-	-	-	20
24	242.2	243.7	243.3	244.8	243.3	204.6	187.0	-	-	-	-	-	24
28	214.3	216.1	215.3	217.2	215.3	190.7	170.7	-	-	-	-	-	28
32	191.7	193.3	192.6	194.4	192.8	177.5	156.2	140.2	-	-	-	-	32
36	-	175.2	174.4	176.2	174.4	166.9	143.1	130.1	111.8	-	-	-	36
40	-	158.3	157.4	159.2	157.2	156.4	130.9	120.3	104.9	91.2	79.7	-	40
48	-	123.6	131.8	130.7	131.0	130.9	113.9	104.0	93.8	81.9	73.1	60.5	48
56	-	-	110.5	109.4	111.7	109.7	98.3	91.6	83.9	74.1	66.7	55.8	56
64	-	-	87.1	93.1	94.9	92.7	87.1	79.9	74.8	67.7	61.1	51.7	64
72	-	-	-	82.7	81.4	79.2	77.2	71.8	65.9	61.9	56.3	47.7	72
80	-	-	-	-	71.1	68.9	68.6	64.5	60.2	56.4	52.0	44.7	80
88	-	-	-	-	62.2	60.3	62.5	57.4	54.8	51.9	47.8	41.8	88
96	-	-	-	-	26.7	55.1	55.2	51.0	49.3	47.6	44.3	38.7	96
104	-	-	-	-	-	50.9	48.6	46.3	44.8	43.3	41.4	36.2	104
112	-	-	-	-	-	-	43.4	41.0	39.7	39.1	38.2	34.0	112
120	-	-	-	-	-	-	-	37.5	36.8	36.0	35.3	31.9	120
128	-	-	-	-	-	-	-	35.4	33.4	32.2	32.7	29.8	128
136	-	-	-	-	-	-	-	30.0	30.6	29.9	29.7	27.6	136
144	-	-	-	-	-	-	-	-	29.0	27.9	26.6	25.9	144
152	-	-	-	-	-	-	-	-	-	25.2	23.7	23.7	152
160	-	-	-	-	-	-	-	-	-	22.7	21.7	21.1	160
168	-	-	-	-	-	-	-	-	-	-	20.5	18.8	168
176	-	-	-	-	-	-	-	-	-	-	18.8	16.8	176
184	-	-	-	-	-	-	-	-	-	-	-	14.9	184
192	-	-	-	-	-	-	-	-	-	-	-	13.3	192

 165,600 lb		 28.5 ft x 27.9 ft		360°		85 %							
 	44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft	
ft	1,000 lb												ft
10	420.1	421.2	-	-	-	-	-	-	-	-	-	-	10
12	380.8	381.9	381.2	-	-	-	-	-	-	-	-	-	12
14	347.5	348.6	348.0	344.3	-	-	-	-	-	-	-	-	14
16	318.8	320.7	319.6	318.5	-	-	-	-	-	-	-	-	16
18	295.4	297.0	295.9	294.8	284.6	-	-	-	-	-	-	-	18
20	273.8	274.9	273.8	276.0	273.9	219.3	-	-	-	-	-	-	20
24	239.3	240.4	239.3	241.5	240.0	204.6	187.0	-	-	-	-	-	24
28	211.6	212.9	212.1	214.0	212.2	190.7	170.7	-	-	-	-	-	28
32	187.3	188.7	187.9	189.8	187.9	177.5	156.2	140.2	-	-	-	-	32
36	-	167.5	168.7	168.9	166.8	163.8	143.1	130.1	111.8	-	-	-	36
40	-	147.6	150.5	149.4	149.4	149.6	130.9	120.3	104.9	91.2	79.7	-	40
48	-	117.5	120.9	120.5	122.2	120.0	113.9	104.0	93.8	81.9	73.1	60.5	48
56	-	-	99.6	102.2	100.9	98.7	96.5	91.6	83.9	74.1	66.7	55.8	56
64	-	-	82.9	85.3	83.8	81.2	81.9	78.2	74.8	67.7	61.1	51.7	64
72	-	-	-	71.3	69.7	69.4	69.5	67.0	65.7	61.9	56.3	47.7	72
80	-	-	-	-	59.3	61.4	59.1	56.8	55.6	55.9	52.0	44.7	80
88	-	-	-	-	53.4	53.1	50.8	49.0	49.6	48.3	47.8	41.8	88
96	-	-	-	-	26.7	46.4	44.7	44.7	43.1	43.6	42.9	38.7	96
104	-	-	-	-	-	41.0	39.9	39.5	39.3	38.8	37.5	36.2	104
112	-	-	-	-	-	-	36.8	34.8	34.9	33.9	32.7	32.6	112
120	-	-	-	-	-	-	-	31.7	31.8	30.0	29.9	28.4	120
128	-	-	-	-	-	-	-	29.3	28.3	26.6	26.8	24.8	128
136	-	-	-	-	-	-	-	26.2	25.1	24.5	23.6	21.6	136
144	-	-	-	-	-	-	-	-	23.2	22.6	20.8	18.9	144
152	-	-	-	-	-	-	-	-	-	20.2	18.2	16.4	152
160	-	-	-	-	-	-	-	-	-	18.1	16.1	14.2	160
168	-	-	-	-	-	-	-	-	-	-	14.2	12.3	168
176	-	-	-	-	-	-	-	-	-	-	12.4	10.4	176
184	-	-	-	-	-	-	-	-	-	-	-	9.0	184
192	-	-	-	-	-	-	-	-	-	-	-	7.5	192

 119,700 lb		 28.5 ft x 27.9 ft		360°										85%	
 	44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft			
ft	1,000 lb												ft		
10	414.6	415.7	-	-	-	-	-	-	-	-	-	-	10		
12	375.7	376.8	375.7	-	-	-	-	-	-	-	-	-	12		
14	342.5	343.6	343.1	342.0	-	-	-	-	-	-	-	-	14		
16	314.1	316.0	315.2	314.1	-	-	-	-	-	-	-	-	16		
18	291.0	292.6	292.1	291.0	283.0	-	-	-	-	-	-	-	18		
20	269.5	270.6	270.5	271.7	270.5	219.3	-	-	-	-	-	-	20		
24	234.9	236.1	235.1	237.2	235.1	204.6	187.0	-	-	-	-	-	24		
28	200.9	202.9	204.2	204.4	202.2	190.7	170.7	-	-	-	-	-	28		
32	170.7	173.1	176.0	174.9	174.5	173.7	156.2	140.2	-	-	-	-	32		
36	-	152.1	154.0	152.9	155.6	153.3	141.4	130.1	111.8	-	-	-	36		
40	-	133.3	133.9	136.8	135.5	133.2	126.4	119.7	104.9	91.2	79.7	-	40		
48	-	102.8	103.9	104.4	102.9	100.0	99.7	95.0	92.0	81.9	73.1	60.5	48		
56	-	-	82.2	81.9	80.3	82.0	80.3	77.6	75.1	72.9	66.7	55.8	56		
64	-	-	66.5	66.2	67.7	67.0	64.8	64.2	63.1	61.7	60.9	51.7	64		
72	-	-	-	55.9	56.7	55.1	54.4	53.6	53.9	52.9	51.6	47.7	72		
80	-	-	-	-	48.0	46.9	47.3	47.1	46.0	44.3	44.2	42.9	80		
88	-	-	-	-	41.1	41.1	40.3	40.0	39.1	39.3	37.8	36.1	88		
96	-	-	-	-	26.7	36.2	35.7	34.4	34.9	34.0	32.2	30.3	96		
104	-	-	-	-	-	31.6	31.2	30.3	30.3	29.2	27.3	25.3	104		
112	-	-	-	-	-	-	27.4	27.6	26.3	25.2	23.2	21.2	112		
120	-	-	-	-	-	-	-	24.2	22.9	21.7	19.8	17.8	120		
128	-	-	-	-	-	-	-	21.4	20.0	18.7	16.8	15.0	128		
136	-	-	-	-	-	-	-	17.1	17.4	16.2	14.2	12.4	136		
144	-	-	-	-	-	-	-	-	15.3	14.0	12.0	10.0	144		
152	-	-	-	-	-	-	-	-	-	11.9	10.1	8.2	152		
160	-	-	-	-	-	-	-	-	-	10.3	8.3	6.5	160		
168	-	-	-	-	-	-	-	-	-	-	6.8	4.9	168		
176	-	-	-	-	-	-	-	-	-	-	5.5	3.5	176		

 98,800 lb		 28.5 ft x 27.9 ft		360°										85 %	
 		44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft		
ft	1,000 lb													ft	
10	411.3	412.4	-	-	-	-	-	-	-	-	-	-	-	10	
12	372.7	373.8	373.4	-	-	-	-	-	-	-	-	-	-	12	
14	340.3	341.4	340.9	339.8	-	-	-	-	-	-	-	-	-	14	
16	312.7	313.8	313.0	311.9	-	-	-	-	-	-	-	-	-	16	
18	289.9	291.0	289.9	288.8	281.9	-	-	-	-	-	-	-	-	18	
20	268.1	269.3	268.2	270.4	268.2	219.3	-	-	-	-	-	-	-	20	
24	228.5	230.8	231.0	232.1	229.8	204.6	187.0	-	-	-	-	-	-	24	
28	190.8	193.1	195.9	194.7	192.4	186.0	170.7	-	-	-	-	-	-	28	
32	161.7	166.1	166.7	165.6	167.6	159.2	148.7	139.4	-	-	-	-	-	32	
36	-	141.8	142.6	143.9	144.3	137.1	129.0	122.5	111.3	-	-	-	-	36	
40	-	121.5	122.6	123.6	121.9	119.2	113.1	107.0	102.8	91.1	79.7	-	-	40	
48	-	90.3	92.3	92.1	90.3	92.5	90.3	84.5	82.4	78.8	73.0	60.5	-	48	
56	-	-	71.6	71.3	73.9	72.1	70.5	70.2	67.9	66.1	63.5	55.8	-	56	
64	-	-	57.9	59.4	59.3	58.0	57.8	57.6	57.2	55.1	52.1	49.7	-	64	
72	-	-	-	49.6	48.5	49.3	48.9	47.6	46.7	47.1	45.4	41.8	-	72	
80	-	-	-	-	40.8	41.5	41.1	39.9	40.4	39.3	37.6	35.0	-	80	
88	-	-	-	-	35.9	35.4	35.0	35.3	34.3	33.2	31.4	29.3	-	88	
96	-	-	-	-	26.7	30.5	30.0	30.5	29.2	28.1	26.2	24.2	-	96	
104	-	-	-	-	-	26.7	25.9	26.3	24.8	23.7	21.7	19.7	-	104	
112	-	-	-	-	-	-	22.1	22.5	21.2	20.1	18.1	16.1	-	112	
120	-	-	-	-	-	-	-	19.6	18.1	17.0	15.0	13.0	-	120	
128	-	-	-	-	-	-	-	17.0	15.5	14.4	12.4	10.5	-	128	
136	-	-	-	-	-	-	-	13.0	13.3	12.0	10.2	8.2	-	136	
144	-	-	-	-	-	-	-	-	11.3	10.0	8.0	6.0	-	144	
152	-	-	-	-	-	-	-	-	-	8.2	6.4	-	-	152	
160	-	-	-	-	-	-	-	-	-	6.8	4.9	-	-	160	

76,500 lb		28.5 ft x 27.9 ft										360°		85%	
		44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft		
		1,000 lb													
ft														ft	
10		409.1	410.2	-	-	-	-	-	-	-	-	-	-	10	
12		370.5	371.6	370.5	-	-	-	-	-	-	-	-	-	12	
14		338.1	339.2	338.7	337.6	-	-	-	-	-	-	-	-	14	
16		310.5	311.6	310.8	309.7	-	-	-	-	-	-	-	-	16	
18		287.7	288.8	287.7	287.6	281.4	-	-	-	-	-	-	-	18	
20		264.9	266.2	265.0	267.3	265.4	219.3	-	-	-	-	-	-	20	
24		216.5	218.7	221.1	220.0	209.6	198.8	182.9	-	-	-	-	-	24	
28		179.5	184.1	184.7	181.9	177.8	163.8	153.0	-	-	-	-	-	28	
32		145.7	151.2	152.0	155.4	147.3	137.7	128.5	121.8	-	-	-	-	32	
36		-	127.4	127.8	129.7	124.8	118.4	113.2	105.6	98.8	-	-	-	36	
40		-	104.2	106.4	106.4	104.4	105.3	97.5	94.4	88.5	83.0	79.1	-	40	
48		-	75.6	77.6	78.1	80.4	78.5	76.9	74.0	72.9	68.3	64.2	59.3	48	
56		-	-	61.1	62.5	61.7	60.7	61.1	60.9	58.7	56.1	53.7	49.2	56	
64		-	-	48.9	49.9	49.4	49.9	49.5	48.3	48.5	47.3	43.6	39.5	64	
72		-	-	-	40.8	41.2	40.8	40.3	40.7	39.4	38.3	35.7	31.9	72	
80		-	-	-	-	34.3	34.3	33.5	33.9	32.6	31.5	29.3	25.9	80	
88		-	-	-	-	28.9	28.8	27.8	28.4	26.9	25.8	23.6	21.0	88	
96		-	-	-	-	24.9	24.2	23.1	23.7	22.2	21.1	19.1	16.9	96	
104		-	-	-	-	-	20.3	19.4	19.8	18.3	17.2	15.2	13.2	104	
112		-	-	-	-	-	-	16.2	16.6	15.3	14.0	12.0	10.0	112	
120		-	-	-	-	-	-	-	14.0	12.5	11.3	9.3	7.4	120	
128		-	-	-	-	-	-	-	11.7	10.3	9.0	7.2	5.2	128	
136		-	-	-	-	-	-	-	7.9	8.4	7.0	5.1	-	136	
144		-	-	-	-	-	-	-	-	6.7	5.4	3.4	-	144	

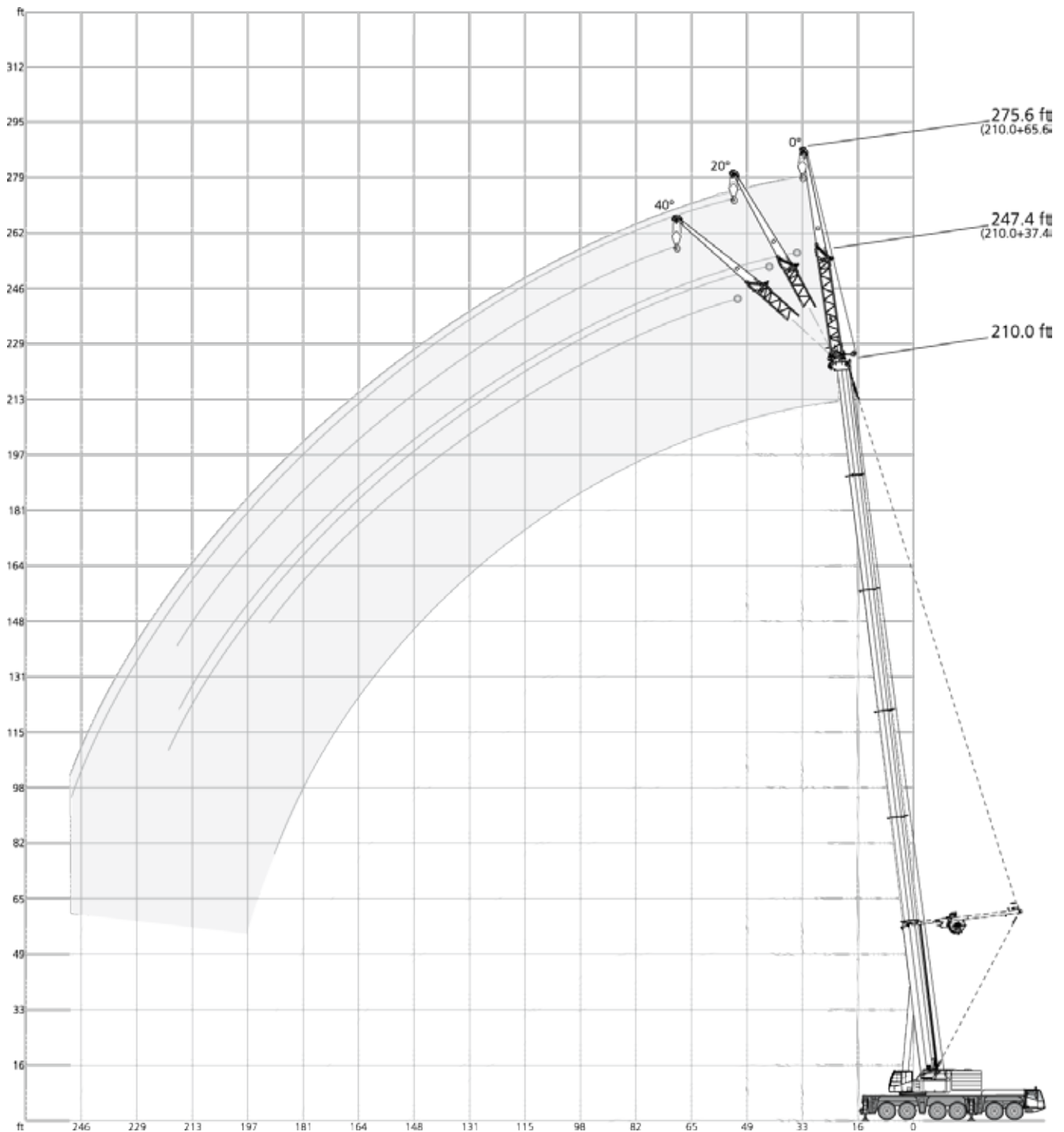
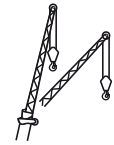
54,200 lb		28.5 ft x 27.9 ft										360°		85%	
		44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft		
		1,000 lb													
ft														ft	
10		405.9	407.0	-	-	-	-	-	-	-	-	-	-	10	
12		367.9	369.0	368.3	-	-	-	-	-	-	-	-	-	12	
14		335.4	336.5	336.5	334.8	-	-	-	-	-	-	-	-	14	
16		308.3	309.4	308.6	307.2	-	-	-	-	-	-	-	-	16	
18		280.6	282.3	281.2	282.8	264.3	-	-	-	-	-	-	-	18	
20		252.7	254.9	258.2	256.0	230.2	216.6	-	-	-	-	-	-	20	
24		203.4	207.9	207.4	194.4	186.9	170.0	158.7	-	-	-	-	-	24	
28		160.3	166.0	165.1	160.9	148.9	138.4	131.0	-	-	-	-	-	28	
32		121.8	130.8	133.5	130.5	121.5	118.4	109.7	104.5	-	-	-	-	32	
36		-	106.0	108.6	107.6	105.2	100.9	95.0	89.5	86.5	-	-	-	36	
40		-	84.8	87.4	90.9	90.4	86.1	83.7	80.0	75.4	70.3	68.1	-	40	
48		-	60.5	64.6	66.5	65.5	66.5	65.3	61.3	60.6	56.4	51.7	46.7	48	
56		-	-	49.6	50.4	50.9	50.4	50.0	50.5	47.4	44.0	40.0	35.8	56	
64		-	-	38.4	39.3	39.9	39.7	38.8	39.3	37.7	35.0	31.3	27.5	64	
72		-	-	-	31.3	32.1	31.5	30.6	31.3	29.7	27.9	24.6	21.3	72	
80		-	-	-	-	26.1	25.6	24.5	25.2	23.7	22.3	19.6	16.3	80	
88		-	-	-	-	21.3	20.7	19.7	20.2	18.8	17.5	15.4	12.3	88	
96		-	-	-	-	17.6	16.8	15.8	16.3	14.9	13.6	11.6	8.9	96	
104		-	-	-	-	-	13.6	12.7	13.2	11.6	10.5	8.5	6.1	104	
112		-	-	-	-	-	-	10.0	10.5	9.1	7.8	5.8	-	112	
120		-	-	-	-	-	-	-	8.3	6.8	5.7	-	-	120	
128		-	-	-	-	-	-	-	6.4	5.1	-	-	-	128	

 39,900 lb		 28.5 ft x 27.9 ft		360°		85%							
 44.9 ft	 59.7 ft	 74.5 ft	 89.2 ft	 104.0 ft	 118.8 ft	 133.5 ft	 144.0 ft	 158.8 ft	 176.8 ft	 191.6 ft	 210.0 ft		
1,000 lb												ft	
10	404.7	404.8	-	-	-	-	-	-	-	-	-	10	
12	366.1	367.2	366.8	-	-	-	-	-	-	-	-	12	
14	334.3	335.4	334.3	333.2	-	-	-	-	-	-	-	14	
16	306.4	308.3	307.2	306.1	-	-	-	-	-	-	-	16	
18	274.1	276.3	275.8	268.8	242.7	-	-	-	-	-	-	18	
20	241.9	244.1	246.4	227.8	215.5	193.8	-	-	-	-	-	20	
24	190.6	195.9	187.3	179.5	164.2	153.0	141.7	-	-	-	-	24	
28	140.5	150.8	150.0	139.7	130.4	124.8	116.3	-	-	-	-	28	
32	104.5	113.8	116.4	112.2	110.4	102.7	97.0	92.9	82.1	-	-	32	
36	-	91.2	93.8	94.2	93.2	86.9	84.2	79.3	74.4	-	-	36	
40	-	72.4	77.0	79.2	77.9	76.2	72.1	69.2	65.6	60.7	55.2	40	
48	-	50.1	55.4	56.5	57.1	56.3	53.9	53.2	49.4	45.4	41.0	36.3	48
56	-	-	40.7	41.8	42.9	42.2	41.1	41.2	37.9	34.8	31.1	26.9	56
64	-	-	30.8	31.8	32.9	32.4	31.3	31.9	29.7	27.0	23.6	19.8	64
72	-	-	-	24.6	25.7	25.1	24.2	24.6	23.1	20.9	17.8	14.4	72
80	-	-	-	-	20.3	19.6	18.7	19.2	17.8	16.3	13.3	10.2	80
88	-	-	-	-	16.1	15.5	14.5	15.0	13.5	12.3	9.7	6.7	88
96	-	-	-	-	12.8	12.1	11.1	11.6	10.2	8.9	6.8	-	96
104	-	-	-	-	-	9.4	8.3	8.9	7.4	6.3	4.3	-	104
112	-	-	-	-	-	-	6.1	6.5	5.2	-	-	-	112
120	-	-	-	-	-	-	-	4.7	-	-	-	-	120

 32,000 lb		 28.5 ft x 27.9 ft		360°		85%							
 44.9 ft	 59.7 ft	 74.5 ft	 89.2 ft	 104.0 ft	 118.8 ft	 133.5 ft	 144.0 ft	 158.8 ft	 176.8 ft	 191.6 ft	 210.0 ft		
1,000 lb												ft	
10	403.6	404.7	-	-	-	-	-	-	-	-	-	10	
12	365.0	366.1	366.1	-	-	-	-	-	-	-	-	12	
14	333.2	334.3	334.3	332.1	-	-	-	-	-	-	-	14	
16	305.3	307.2	306.4	297.0	-	-	-	-	-	-	-	16	
18	270.9	273.1	267.5	254.5	225.0	-	-	-	-	-	-	18	
20	236.4	240.5	235.0	216.2	199.9	182.4	-	-	-	-	-	20	
24	183.3	186.2	177.7	165.1	149.5	141.8	130.5	-	-	-	-	24	
28	128.5	138.7	136.7	127.1	123.1	113.9	105.9	88.5	-	-	-	28	
32	94.0	103.4	106.1	105.8	100.4	94.5	90.5	84.0	80.3	-	-	32	
36	-	82.3	86.3	88.1	83.8	81.1	76.6	72.0	69.0	-	-	36	
40	-	64.7	70.6	72.0	71.2	67.5	63.8	62.6	57.8	53.1	47.9	40	
48	-	43.6	48.9	50.0	51.3	49.6	47.2	46.6	42.9	39.3	35.1	30.4	48
56	-	-	35.5	36.5	37.7	37.2	35.8	35.7	32.5	29.5	25.9	22.0	56
64	-	-	26.5	27.4	28.7	28.1	27.0	27.5	24.9	22.5	19.1	15.5	64
72	-	-	-	20.9	22.0	21.3	20.2	20.9	19.3	16.9	13.8	10.5	72
80	-	-	-	-	17.0	16.3	15.2	15.9	14.4	12.7	9.8	6.8	80
88	-	-	-	-	13.2	12.5	11.5	12.0	10.5	9.3	6.5	-	88
96	-	-	-	-	10.1	9.4	8.4	8.8	7.4	6.3	-	-	96
104	-	-	-	-	-	6.9	6.0	6.4	4.9	3.8	-	-	104

 17,600 lb		 28.5 ft x 27.9 ft		360°		85 %							
 	44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft	
ft	1,000 lb												ft
10	401.5	402.6	-	-	-	-	-	-	-	-	-	-	10
12	363.9	365.0	363.9	-	-	-	-	-	-	-	-	-	12
14	332.1	333.2	320.3	288.0	-	-	-	-	-	-	-	-	14
16	295.0	296.9	270.7	238.0	-	-	-	-	-	-	-	-	16
18	259.3	250.0	224.7	204.4	178.8	-	-	-	-	-	-	-	18
20	223.2	209.3	193.2	170.9	154.0	141.2	-	-	-	-	-	-	20
24	141.7	150.8	140.7	129.7	120.9	111.6	103.4	-	-	-	-	-	24
28	96.4	105.9	106.6	103.9	95.8	89.4	82.1	78.7	-	-	-	-	28
32	68.9	77.7	83.4	82.4	78.2	72.1	66.5	64.3	58.2	-	-	-	32
36	-	60.4	66.2	66.4	64.9	60.3	55.9	54.3	49.0	-	-	-	36
40	-	45.8	51.3	52.6	53.3	50.0	46.6	45.5	41.0	36.6	31.6	-	40
48	-	30.0	34.7	35.7	36.8	36.0	34.1	33.5	29.9	26.4	22.3	-	48
56	-	-	24.7	25.6	26.6	26.0	25.1	25.2	22.0	19.1	15.5	-	56
64	-	-	18.0	18.7	19.7	19.1	18.4	18.8	16.2	13.6	10.4	-	64
72	-	-	-	14.0	14.9	14.2	13.5	14.0	11.8	9.3	6.5	-	72
80	-	-	-	-	11.2	10.8	9.9	10.3	8.4	6.2	-	-	80
88	-	-	-	-	8.4	7.9	6.9	7.4	5.6	-	-	-	88
96	-	-	-	-	6.0	5.4	4.3	4.7	-	-	-	-	96

 0 lb		 28.5 ft x 27.9 ft		360°		85%							
 	44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft	
ft	1,000 lb												ft
10	399.3	400.4	-	-	-	-	-	-	-	-	-	-	10
12	361.7	362.8	353.3	-	-	-	-	-	-	-	-	-	12
14	324.6	324.5	293.3	250.2	-	-	-	-	-	-	-	-	14
16	280.4	263.9	232.5	205.5	-	-	-	-	-	-	-	-	16
18	234.7	216.3	195.7	169.7	151.3	-	-	-	-	-	-	-	18
20	189.7	176.1	157.6	145.7	129.3	118.4	-	-	-	-	-	-	20
24	115.8	121.8	116.1	106.2	97.5	87.6	78.9	-	-	-	-	-	24
28	74.2	84.7	85.2	79.5	74.4	67.6	61.5	59.2	-	-	-	-	28
32	49.5	58.9	64.6	61.8	58.8	53.6	49.2	47.5	42.2	-	-	-	32
36	-	44.5	50.4	49.8	48.3	44.2	40.6	39.4	34.9	-	-	-	36
40	-	32.9	38.1	39.4	39.0	35.9	33.1	32.3	28.3	24.5	-	-	40
48	-	20.2	24.9	25.8	27.0	25.2	22.9	22.7	19.4	16.3	-	-	48
56	-	-	16.8	17.7	18.7	17.9	16.0	16.0	13.1	10.4	-	-	56
64	-	-	11.3	12.2	13.1	12.7	10.9	11.1	8.4	6.1	-	-	64
72	-	-	-	8.2	9.1	8.7	7.1	7.1	4.9	-	-	-	72
80	-	-	-	-	6.0	5.3	-	-	-	-	-	-	80



28.5 ft x 27.9 ft								360°								85 %	
44.9 ft								118.8 ft									
		37.4 ft			65.6 ft					37.4 ft			65.6 ft				
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°		
ft		1,000 lb															
10		50.5	-	-	-	-	-	28		50.5	-	-	-	-	-		
12		50.5	-	-	-	-	-	32		50.5	-	-	35.4	-	-		
14		50.5	-	-	-	-	-	36		50.5	-	-	33.7	-	-		
16		50.5	-	-	42.3	-	-	40		50.5	50.1	-	31.9	-	-		
18		50.5	-	-	40.3	-	-	48		49.8	47.5	-	28.8	-	-		
20		50.5	-	-	38.3	-	-	56		47.1	44.3	34.6	26.2	18.3	-		
24		50.5	50.5	-	35.2	-	-	64		44.4	40.8	33.0	24.2	17.2	-		
28		50.5	50.5	-	32.3	-	-	72		40.9	37.3	31.8	22.1	16.3	-		
32		50.5	49.8	-	30.0	-	-	80		37.1	34.2	30.7	20.3	15.5	13.0		
36		50.5	47.6	38.6	27.7	-	-	88		33.1	31.7	29.3	19.3	14.8	12.6		
40		50.5	45.0	36.5	25.5	19.7	-	96		29.8	29.2	28.0	18.0	14.3	12.3		
48		48.9	40.3	33.3	22.2	17.9	-	104		27.2	26.8	26.4	16.9	13.7	12.2		
56		42.8	36.3	31.0	19.7	16.3	-	112		24.8	24.6	24.6	15.8	13.2	11.9		
64		37.6	33.2	29.7	17.6	15.0	13.2	120		22.4	22.5	22.7	15.1	12.9	11.8		
72		33.4	31.3	-	15.9	13.9	12.6	128		20.6	20.6	-	14.4	12.5	11.7		
80		-	-	-	14.6	13.1	12.1	136		19.1	19.0	-	13.8	12.2	11.7		
88		-	-	-	13.6	12.5	11.9	144		17.7	17.5	-	13.0	11.9	11.7		
96		-	-	-	12.8	12.1	-	152		-	-	-	12.8	11.9	-		
		-	-	-	-	-	-	160		-	-	-	12.5	11.7	-		
		-	-	-	-	-	-	168		-	-	-	12.2	11.7	-		

 177.8 ft							
 37.4 ft	 65.6 ft						
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
48	50.5	-	-	28.5	-	-	
56	49.8	-	-	27.2	-	-	
64	47.2	41.6	-	25.7	-	-	
72	43.9	39.5	32.0	24.1	-	-	
80	41.0	37.1	30.9	22.5	16.2	-	
88	38.0	34.9	29.9	21.4	15.6	12.7	
96	35.1	33.0	29.3	20.2	14.9	12.4	
104	32.5	31.1	28.5	19.1	14.6	12.2	
112	30.5	29.2	27.7	18.0	14.1	12.1	
120	28.4	27.6	26.8	17.3	13.6	11.9	
128	26.4	25.8	25.5	16.6	13.3	11.8	
136	24.3	24.2	24.1	16.0	13.1	11.7	
144	22.6	22.6	22.8	15.2	12.8	11.7	
152	20.9	21.0	21.2	14.7	12.5	11.7	
160	19.3	19.6	19.8	14.0	12.3	11.7	
168	17.7	18.1	18.2	13.8	12.0	11.7	
176	16.1	16.5	16.5	13.3	11.9	11.7	
184	14.9	15.2	-	13.0	11.7	11.7	
192	13.3	13.8	-	12.5	11.7	11.7	
200	9.5	10.9	-	12.1	11.7	11.7	
208	-	-	-	11.6	11.5	-	
216	-	-	-	11.1	11.1	-	
224	-	-	-	9.5	10.3	-	


 32,000lb
 
 39,900lb
 
 54,200lb
 
 76,500lb
 
 98,800lb
 
 119,700lb
 
 165,600lb
 
 211,400lb
 
 257,300lb

 28.5 ft x 27.9 ft				360°			85%
 210.0 ft							
 ft	37.4 ft			65.6 ft			
	0°	20°	40°	0°	20°	40°	
	1,000 lb						
56	35.8	-	-	-	-	-	
64	33.3	-	-	22.4	-	-	
72	31.1	-	-	21.8	-	-	
80	28.8	26.4	25.1	21.0	-	-	
88	26.7	24.7	23.6	20.2	15.3	-	
96	25.0	23.1	22.2	19.4	14.7	-	
104	23.3	21.8	20.9	18.6	14.4	12.1	
112	21.7	20.4	19.8	17.8	13.9	11.9	
120	20.2	19.3	18.7	17.0	13.6	11.8	
128	19.2	18.1	17.6	16.2	13.2	11.7	
136	18.1	17.2	16.7	15.4	12.8	11.5	
144	17.0	16.4	15.9	14.6	12.6	11.5	
152	16.0	15.5	15.1	13.8	12.3	11.5	
160	15.1	14.5	14.5	13.2	12.0	11.4	
168	14.2	13.7	13.7	12.4	11.4	11.1	
176	13.3	13.1	13.1	11.8	10.9	10.7	
184	12.5	12.3	12.3	11.0	10.6	10.4	
192	11.7	11.7	11.8	10.5	10.0	10.0	
200	10.9	11.0	11.1	10.0	9.6	9.6	
208	10.1	10.3	-	9.6	9.3	9.3	
216	9.3	9.5	-	9.1	8.9	9.1	
224	8.2	8.4	-	8.6	8.6	8.8	
232	-	-	-	8.2	8.2	-	
240	-	-	-	7.7	7.7	-	
248	-	-	-	6.5	7.1	-	

	32,000 lb	39,900 lb	54,200 lb	76,500 lb	98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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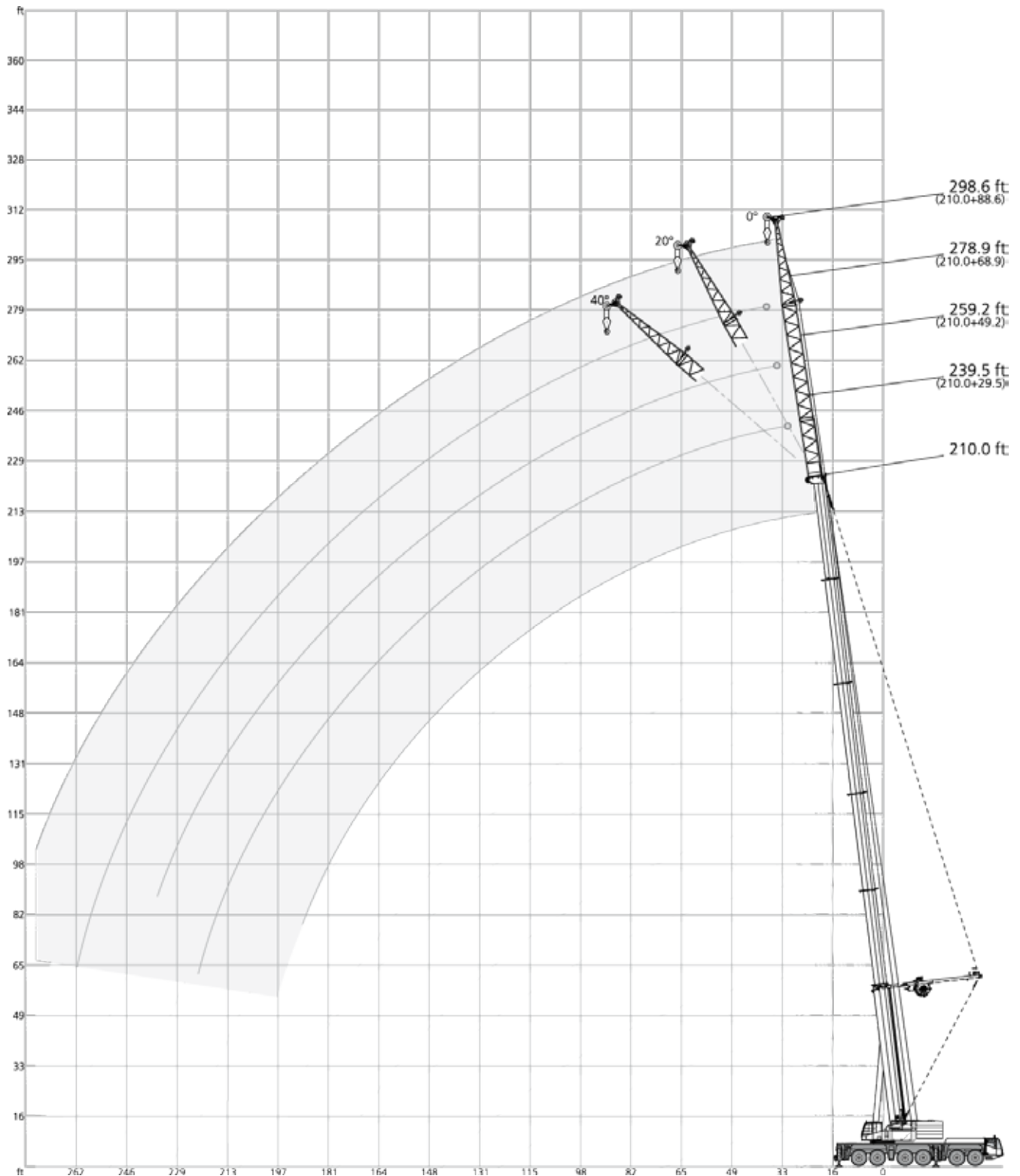
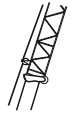
 28.5 ft x 27.9 ft							
 118.8 ft							
 ft		37.4 ft			65.6 ft		
		0°	20°	40°	0°	20°	40°
1,000 lb							
24	50.5	-	-	-	-	-	-
28	50.5	-	-	-	40.0	-	-
32	50.5	-	-	-	38.1	-	-
36	50.5	-	-	-	36.3	-	-
40	50.5	50.4	-	-	34.5	-	-
48	50.5	49.8	38.0	-	31.1	-	-
56	50.5	47.9	36.0	-	28.4	18.8	-
64	50.2	44.7	34.3	-	25.8	17.6	-
72	49.2	41.7	32.9	-	23.2	16.8	13.5
80	48.3	39.8	31.6	-	21.8	16.0	13.1
88	47.2	37.7	30.6	-	20.3	15.2	12.7
96	45.0	35.7	29.8	-	18.9	14.6	12.4
104	42.2	34.3	29.0	-	17.6	14.2	12.2
112	39.5	33.0	28.6	-	16.5	13.6	12.1
120	36.8	31.9	28.4	-	15.7	13.1	11.8
128	34.5	31.0	-	-	14.9	12.7	11.7
136	29.4	30.5	-	-	14.1	12.4	11.7
144	21.3	24.2	-	-	13.5	12.1	11.7
152	-	-	-	-	13.0	11.9	-
160	-	-	-	-	12.6	11.9	-
168	-	-	-	-	12.1	11.9	-

360°							85%
 177.8 ft							
 ft		37.4 ft			65.6 ft		
		0°	20°	40°	0°	20°	40°
1,000 lb							
36	50.5	-	-	-	-	-	-
40	50.4	-	-	-	29.9	-	-
48	49.7	46.6	-	-	28.5	-	-
56	48.4	44.6	-	-	27.3	-	-
64	46.8	42.9	34.0	-	26.1	-	-
72	45.0	41.3	32.9	-	24.9	17.7	-
80	43.4	39.9	31.8	-	23.9	17.1	13.4
88	41.8	38.6	31.0	-	22.8	16.4	12.9
96	40.3	37.2	30.1	-	21.7	15.8	12.6
104	39.0	36.1	29.2	-	20.8	15.3	12.6
112	37.6	35.0	28.6	-	19.8	14.7	12.3
120	36.3	33.9	28.2	-	18.9	14.2	12.1
128	33.8	33.0	27.8	-	18.0	13.8	11.9
136	30.1	31.3	27.2	-	17.2	13.5	11.7
144	26.6	28.2	26.7	-	16.1	13.2	11.7
152	23.7	25.2	25.8	-	15.6	12.8	11.7
160	21.1	22.3	23.0	-	15.0	12.5	11.6
168	18.6	19.7	20.3	-	14.5	12.3	11.5
176	16.6	17.3	-	-	14.0	12.2	11.5
184	14.4	15.4	-	-	13.4	11.9	11.5
192	11.0	12.6	-	-	12.9	11.8	11.5
200	-	-	-	-	12.7	11.7	-
208	-	-	-	-	12.1	11.7	-
216	-	-	-	-	9.9	11.7	-
224	-	-	-	-	-	8.8	-

192.6 ft						
 	37.4 ft			65.6 ft		
	0°	20°	40°	0°	20°	40°
ft	1,000 lb					
40	42.2	-	-	-	-	-
48	40.3	-	-	25.6	-	-
56	38.5	39.2	-	24.7	-	-
64	36.9	37.6	32.8	23.8	-	-
72	35.5	36.0	31.8	22.7	17.7	-
80	34.2	34.6	30.7	22.1	16.9	-
88	32.8	33.4	29.9	21.3	16.4	12.9
96	31.5	32.2	29.1	20.5	15.8	12.6
104	30.3	30.8	28.5	19.9	15.3	12.4
112	29.5	29.9	27.7	19.1	14.8	12.3
120	28.4	28.9	27.3	18.5	14.4	12.1
128	27.3	28.0	27.0	17.9	13.9	12.0
136	26.4	27.1	26.6	17.2	13.5	11.7
144	25.6	26.1	26.2	16.6	13.2	11.7
152	24.4	25.1	25.6	16.0	13.0	11.7
160	21.9	23.2	23.8	15.3	12.7	11.7
168	19.5	20.6	21.3	14.9	12.4	11.6
176	17.3	18.4	18.9	14.4	12.2	11.5
184	15.4	16.2	-	14.1	12.1	11.5
192	13.5	14.1	-	13.6	11.9	11.5
200	11.3	12.3	-	13.1	11.8	11.5
208	8.1	9.5	-	12.7	11.7	11.5
216	-	5.2	-	11.4	11.7	-
224	-	-	-	9.9	11.1	-
232	-	-	-	7.4	9.1	-
240	-	-	-	-	6.1	-

 210.0 ft							
		37.4 ft			65.6 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
40		33.8	-	-	-	-	-
48		32.2	-	-	22.0	-	-
56		30.7	31.2	-	21.6	-	-
64		29.2	29.6	-	21.1	-	-
72		27.8	28.2	29.3	20.3	-	-
80		26.7	27.1	28.0	19.5	16.9	-
88		25.6	25.9	26.9	19.0	16.4	-
96		24.4	24.8	25.8	18.5	15.8	12.6
104		23.3	23.7	24.8	17.9	15.3	12.4
112		22.4	22.7	23.7	17.4	14.8	12.3
120		21.6	21.9	22.7	16.7	14.4	12.1
128		20.8	21.0	21.9	16.3	14.0	11.9
136		20.0	20.2	21.1	15.8	13.6	11.7
144		19.0	19.6	20.3	15.2	13.4	11.7
152		18.4	18.9	19.7	14.7	13.2	11.7
160		17.9	18.1	18.9	14.2	12.9	11.6
168		17.4	17.6	18.3	13.6	12.7	11.5
176		16.7	17.1	17.7	13.3	12.4	11.5
184		15.1	16.0	16.7	13.0	12.1	11.5
192		13.3	14.1	14.6	12.7	12.1	11.5
200		11.4	12.3	-	12.2	11.9	11.5
208		9.7	10.4	-	12.0	11.8	11.5
216		8.0	8.7	-	10.9	11.7	11.5
224		-	6.7	-	9.5	10.8	-
232		-	-	-	8.2	9.3	-
240		-	-	-	7.0	8.0	-
248		-	-	-	5.0	6.2	-

119,700 lb 165,600 lb 211,400 lb 257,300 lb

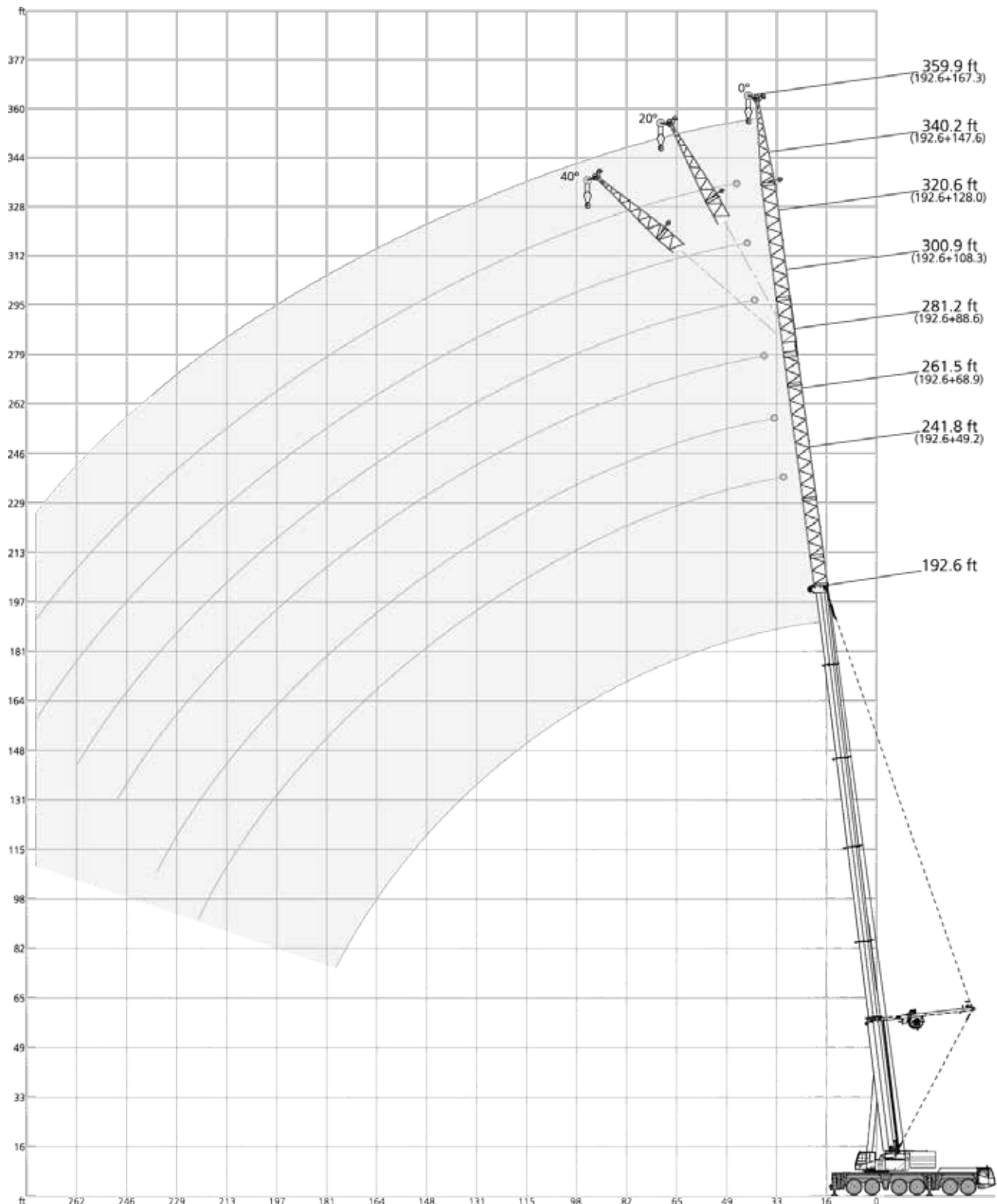
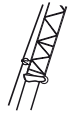


28.5 ft x 27.9 ft										360°										85%																			
44.9 ft										118.8 ft																													
		29.5 ft		49.2 ft*			68.9 ft		88.6 ft*					29.5 ft		49.2 ft*			68.9 ft		88.6 ft*					29.5 ft		49.2 ft*			68.9 ft		88.6 ft*						
		0°	0°	20°	40°	0°	0°	20°	40°	0°	0°			20°	40°	0°	0°	20°	40°	0°	0°	20°	40°			0°	0°	20°	40°										
ft		1,000 lb																		ft		1,000 lb																	
10		100.0	-	-	-	-	-	-	-	24		93.4	-	-	-	-	-	-	-	-	-	-	-	-	24		93.4	-	-	-	-	-	-	-	-				
12		98.9	-	-	-	-	-	-	-	28		83.7	-	-	-	-	-	-	-	-	-	-	-	-	28		83.7	-	-	-	-	-	-	-	-				
14		94.4	97.0	-	-	-	-	-	-	32		75.7	74.0	-	-	-	-	-	-	-	-	-	-	-	32		75.7	74.0	-	-	-	-	-	-	-				
16		85.7	93.4	-	-	-	-	-	-	36		69.3	69.1	-	-	-	-	52.8	-	-	-	-	-	-	36		69.3	69.1	-	-	-	-	52.8	-	-	-			
18		78.5	88.3	-	-	-	72.3	-	-	40		63.3	64.3	-	-	-	-	49.9	42.0	-	-	-	-	-	40		63.3	64.3	-	-	-	-	49.9	42.0	-	-			
20		71.9	82.8	-	-	-	68.2	59.5	-	48		55.4	56.2	35.6	-	-	-	45.1	37.7	-	-	-	-	-	48		55.4	56.2	35.6	-	-	-	45.1	37.7	-	-			
24		61.4	71.5	-	-	-	61.1	53.7	-	56		48.0	50.3	32.9	-	-	-	41.1	34.2	-	-	-	-	-	56		48.0	50.3	32.9	-	-	-	41.1	34.2	-	-			
28		52.2	63.6	-	-	-	55.2	48.6	-	64		42.5	45.0	30.6	23.1	-	-	37.9	31.4	-	-	-	-	-	64		42.5	45.0	30.6	23.1	-	-	37.9	31.4	-	-			
32		46.4	56.4	39.0	-	-	50.6	44.3	-	72		38.7	40.2	28.5	22.1	-	-	34.9	29.1	19.0	-	-	-	-	72		38.7	40.2	28.5	22.1	-	-	34.9	29.1	19.0	-			
36		41.4	50.6	36.1	-	-	46.9	40.9	-	80		34.7	37.3	26.7	21.3	-	-	32.1	26.8	18.0	-	-	-	-	80		34.7	37.3	26.7	21.3	-	-	32.1	26.8	18.0	-			
40		36.8	45.5	33.4	-	-	43.3	37.7	-	88		31.4	34.5	25.3	20.5	-	-	30.2	24.7	17.1	11.4	-	-	-	88		31.4	34.5	25.3	20.5	-	-	30.2	24.7	17.1	11.4			
48		30.8	38.5	29.3	23.7	-	37.3	32.7	-	96		29.1	31.5	24.0	20.0	-	-	28.5	23.1	16.1	11.0	-	-	-	96		29.1	31.5	24.0	20.0	-	-	28.5	23.1	16.1	11.0			
56		26.1	32.6	26.0	21.8	-	33.3	28.6	20.9	104		27.0	29.3	22.9	19.6	-	-	26.7	21.8	15.3	10.6	-	-	-	104		27.0	29.3	22.9	19.6	-	-	26.7	21.8	15.3	10.6			
64		22.7	28.9	23.4	20.2	-	29.3	25.7	18.9	112		25.1	27.5	22.0	19.2	-	-	24.9	20.4	14.5	10.3	-	-	-	112		25.1	27.5	22.0	19.2	-	-	24.9	20.4	14.5	10.3			
72		-	25.4	21.4	19.2	-	26.5	23.0	17.2	120		23.7	25.9	21.1	18.9	-	-	23.8	19.1	14.0	9.9	-	-	-	120		23.7	25.9	21.1	18.9	-	-	23.8	19.1	14.0	9.9			
80		-	23.0	-	-	-	24.3	20.5	15.9	128		22.4	24.4	20.3	-	-	-	22.7	18.0	13.4	9.6	-	-	-	128		22.4	24.4	20.3	-	-	-	22.7	18.0	13.4	9.6			
88		-	-	-	-	-	22.2	19.1	14.8	136		21.2	23.2	19.7	-	-	-	21.6	17.2	12.9	9.3	-	-	-	136		21.2	23.2	19.7	-	-	-	21.6	17.2	12.9	9.3			
96		-	-	-	-	-	20.7	17.5	13.7	144		15.7	22.1	19.2	-	-	-	20.7	16.4	12.5	9.2	-	-	-	144		15.7	22.1	19.2	-	-	-	20.7	16.4	12.5	9.2			
104		-	-	-	-	-	19.3	16.1	12.8	152		-	21.1	-	-	-	-	19.8	15.5	12.1	9.0	-	-	-	152		-	21.1	-	-	-	-	19.8	15.5	12.1	9.0			
112		-	-	-	-	-	-	14.9	11.9	160		-	12.1	-	-	-	-	19.1	14.7	11.7	8.8	-	-	-	160		-	12.1	-	-	-	-	19.1	14.7	11.7	8.8			
120		-	-	-	-	-	14.0	-	-	168		-	-	-	-	-	-	18.5	14.1	11.4	-	-	-	-	168		-	-	-	-	-	-	18.5	14.1	11.4	-			
										176		-	-	-	-	-	-	17.9	13.7	11.3	-	-	-	-	176		-	-	-	-	-	-	17.9	13.7	11.3	-			
										184		-	-	-	-	-	-	-	13.3	7.7	-	-	-	-	184		-	-	-	-	-	-	13.3	7.7	-	-			
										192		-	-	-	-	-	-	-	12.9	-	-	-	-	-	192		-	-	-	-	-	-	12.9	-	-	-			
										200		-	-	-	-	-	-	-	6.6	-	-	-	-	-	200		-	-	-	-	-	-	6.6	-	-	-			

133.5 ft										148.3 ft									
		29.5 ft	49.2 ft*			68.9 ft	88.6 ft*					29.5 ft	49.2 ft*			68.9 ft	88.6 ft*		
		0°	0°	20°	40°	0°	0°	20°	40°			0°	0°	20°	40°				
		ft	1,000 lb																
28		84.7	-	-	-	-	-	-	-	36		70.8	-	-	-	-	-	-	-
32		77.3	-	-	-	-	-	-	-	40		65.5	63.4	-	-	46.2	-	-	-
36		71.3	69.3	-	-	-	-	-	-	48		57.8	57.5	-	-	42.7	36.3	-	-
40		65.8	65.6	-	-	-	49.4	41.2	-	56		51.5	52.0	33.7	-	39.6	33.4	-	-
48		56.8	58.3	36.1	-	-	44.9	37.5	-	64		46.6	47.3	31.5	-	36.8	31.1	-	-
56		50.8	52.0	33.6	-	-	41.1	34.2	-	72		42.0	43.7	29.6	22.5	34.4	28.7	-	-
64		44.8	47.4	31.3	23.3	-	38.0	31.4	-	80		38.2	40.0	28.2	21.7	32.3	27.1	18.1	-
72		40.4	42.9	29.4	22.5	-	35.5	29.1	-	88		35.7	36.9	26.7	21.0	30.5	25.5	17.1	-
80		37.2	38.8	27.7	21.7	-	33.1	27.3	18.1	96		33.0	34.6	25.3	20.4	28.6	23.9	16.3	-
88		34.0	36.2	26.2	21.0	-	30.7	25.4	17.1	104		30.6	32.5	24.3	20.0	27.2	22.4	15.6	10.6
96		31.0	33.8	25.0	20.3	-	28.9	23.5	16.3	112		28.4	30.5	23.3	19.6	25.9	21.1	15.0	10.3
104		29.0	31.4	23.8	19.8	-	27.4	22.2	15.6	120		26.9	28.7	22.4	19.2	24.6	20.2	14.3	10.1
112		27.2	29.0	22.7	19.4	-	25.9	21.1	15.0	128		25.4	27.1	21.6	18.9	23.4	19.2	13.7	9.8
120		25.3	27.5	21.9	19.1	-	24.5	19.9	14.3	136		23.9	25.8	21.1	18.8	22.3	18.3	13.3	9.5
128		23.8	26.1	21.0	18.8	-	23.2	18.7	13.7	144		22.9	24.6	20.4	18.5	21.4	17.3	12.9	9.3
136		22.7	24.6	20.2	-	-	22.3	17.7	13.1	152		21.9	23.4	19.8	-	20.6	16.4	12.5	9.0
144		21.7	23.4	19.7	-	-	21.3	16.9	12.7	160		21.1	22.4	19.4	-	20.0	15.8	12.1	8.9
152		-	22.4	19.4	-	-	20.4	16.2	12.3	168		-	21.3	19.1	-	19.2	15.2	11.8	8.8
160		-	21.6	19.0	-	-	19.6	15.6	12.0	176		-	20.2	19.0	-	18.4	14.6	11.5	8.6
168		-	20.1	-	-	-	19.0	14.9	11.7	184		-	-	-	-	17.7	14.1	11.2	-
176		-	-	-	-	-	18.6	14.2	11.3	192		-	-	-	-	16.6	13.6	11.0	-
184		-	-	-	-	-	17.3	13.8	11.1	200		-	-	-	-	14.9	13.3	11.0	-
192		-	-	-	-	-	-	13.4	11.0	208		-	-	-	-	-	13.0	10.9	-
200		-	-	-	-	-	-	13.0	10.8	216		-	-	-	-	-	12.6	10.8	-
208		-	-	-	-	-	-	12.5	-										

28.5 ft x 27.9 ft										360°										85%															
163.1 ft										177.8 ft																									
		29.5 ft		49.2 ft*		68.9 ft		88.6 ft*				29.5 ft		49.2 ft*		68.9 ft		88.6 ft*				29.5 ft		49.2 ft*		68.9 ft		88.6 ft*							
		0°	0°	20°	40°	0°	0°	20°	40°			0°	0°	20°	40°	0°	0°	20°	40°			0°	0°	20°	40°	0°	0°	20°	40°						
ft		1,000 lb										ft		1,000 lb																					
40		64.9	-	-	-	-	-	-	-	40		60.4	-	-	-	-	-	-	-	40		60.4	-	-	-	-	-	-	-						
48		57.6	55.0	-	-	40.3	-	-	-	48		54.9	50.9	-	-	-	-	-	-	48		54.9	50.9	-	-	-	-	-	-						
56		51.6	50.5	-	-	37.7	32.1	-	-	56		50.1	47.4	-	-	35.1	-	-	-	56		50.1	47.4	-	-	35.1	-	-	-						
64		47.1	46.3	31.5	-	35.5	30.0	-	-	64		45.8	44.2	-	-	33.2	28.1	-	-	64		45.8	44.2	-	-	33.2	28.1	-	-						
72		43.3	42.8	29.8	22.5	33.1	28.0	-	-	72		42.4	41.3	29.4	-	31.6	26.5	-	-	72		42.4	41.3	29.4	-	31.6	26.5	-	-						
80		39.5	40.1	28.2	21.7	31.5	26.2	18.0	-	80		39.7	38.7	28.0	21.7	29.9	25.1	-	-	80		39.7	38.7	28.0	21.7	29.9	25.1	-	-						
88		36.4	37.4	27.0	21.2	29.9	24.9	17.1	-	88		36.7	36.5	26.8	21.0	28.5	23.8	16.7	-	88		36.7	36.5	26.8	21.0	28.5	23.8	16.7	-						
96		34.4	34.7	25.8	20.7	28.3	23.6	16.3	-	96		34.2	34.5	25.7	20.6	27.3	22.7	15.9	-	96		34.2	34.5	25.7	20.6	27.3	22.7	15.9	-						
104		32.2	32.8	24.7	20.1	26.8	22.3	15.6	10.6	104		32.3	32.5	24.7	20.2	26.1	21.7	15.3	-	104		32.3	32.5	24.7	20.2	26.1	21.7	15.3	-						
112		30.1	31.2	23.8	19.6	25.5	21.1	15.0	10.1	112		30.6	30.6	23.8	19.8	24.9	20.7	14.7	10.1	112		30.6	30.6	23.8	19.8	24.9	20.7	14.7	10.1						
120		28.2	29.5	22.8	19.3	24.4	20.0	14.4	9.9	120		28.9	29.1	23.0	19.4	23.8	19.7	14.2	9.9	120		28.9	29.1	23.0	19.4	23.8	19.7	14.2	9.9						
128		26.6	27.8	22.0	19.1	23.4	19.1	13.9	9.6	128		27.4	27.6	22.2	19.1	22.8	18.8	13.7	9.6	128		27.4	27.6	22.2	19.1	22.8	18.8	13.7	9.6						
136		25.4	26.3	21.3	18.8	22.5	18.3	13.3	9.5	136		25.9	26.1	21.5	18.8	22.0	18.0	13.3	9.3	136		25.9	26.1	21.5	18.8	22.0	18.0	13.3	9.3						
144		24.2	25.0	20.7	18.7	21.5	17.5	12.9	9.3	144		24.8	24.6	20.9	18.6	21.1	17.3	12.9	9.2	144		24.8	24.6	20.9	18.6	21.1	17.3	12.9	9.2						
152		23.0	23.6	20.2	18.5	20.6	16.7	12.5	9.0	152		23.9	23.2	20.2	18.5	20.2	16.7	12.5	9.0	152		23.9	23.2	20.2	18.5	20.2	16.7	12.5	9.0						
160		21.9	22.3	19.7	-	20.0	16.0	12.1	8.9	160		22.8	21.8	19.8	18.5	19.4	16.0	12.1	8.9	160		22.8	21.8	19.8	18.5	19.4	16.0	12.1	8.9						
168		20.8	21.0	19.1	-	19.2	15.4	11.8	8.8	168		21.6	20.4	19.4	18.5	18.6	15.4	11.8	8.8	168		21.6	20.4	19.4	18.5	18.6	15.4	11.8	8.8						
176		19.6	19.8	18.4	-	18.4	14.8	11.5	8.6	176		20.3	19.0	18.8	-	17.8	14.8	11.5	8.6	176		20.3	19.0	18.8	-	17.8	14.8	11.5	8.6						
184		-	18.5	17.8	-	17.7	14.4	11.3	8.6	184		18.8	17.7	17.9	-	16.8	14.3	11.3	8.5	184		18.8	17.7	17.9	-	16.8	14.3	11.3	8.5						
192		-	16.5	-	-	17.0	14.0	11.2	8.5	192		16.4	16.6	16.9	-	15.9	13.8	11.2	8.4	192		16.4	16.6	16.9	-	15.9	13.8	11.2	8.4						
200		-	12.7	-	-	15.9	13.5	10.9	-	200		-	15.6	15.6	-	15.1	13.2	10.9	-	200		-	15.6	15.6	-	15.1	13.2	10.9	-						
208		-	-	-	-	13.9	12.9	10.8	-	208		-	12.6	-	-	14.3	12.7	10.7	-	208		-	12.6	-	-	14.3	12.7	10.7	-						
216		-	-	-	-	12.6	12.4	10.8	-	216		-	10.2	-	-	13.5	12.2	10.6	-	216		-	10.2	-	-	13.5	12.2	10.6	-						
224		-	-	-	-	-	11.8	10.8	-	224		-	-	-	-	-	10.9	10.3	-	224		-	-	-	-	-	10.9	10.3	-						
240		-	-	-	-	-	7.5	-	-	240		-	-	-	-	-	7.5	-	-	240		-	-	-	-	-	7.5	-	-						

192.6 ft										210.0 ft																									
		29.5 ft		49.2 ft*		68.9 ft		88.6 ft*				29.5 ft		49.2 ft*		68.9 ft		88.6 ft*				29.5 ft		49.2 ft*		68.9 ft		88.6 ft*							
		0°	0°	20°	40°	0°	0°	20°	40°			0°	0°	20°	40°	0°	0°	20°	40° ¹⁾			0°	0°	20°	40°	0°	0°	20°	40°						
ft		1,000 lb										ft		1,000 lb																					
48		51.0	-	-	-	-	-	-	-	56		41.8	-	-	-	-	-	-	-	56		41.8	-	-	-	-	-	-	-						
56		47.2	41.7	-	-	-	-	-	-	64		38.7	32.6	-	-	-	-	-	-	64		38.7	32.6	-	-	-	-	-	-						
64		43.9	38.9	-	-	30.3	-	-	-	72		36.2	30.7	-	-	25.1	20.1	-	-	72		36.2	30.7	-	-	25.1	20.1	-	-						
72		40.6	36.4	-	-	29.1	24.5	-	-	80		33.6	28.8	26.0	-	24.5	20.1	-	-	80		33.6	28.8	26.0	-	24.5	20.1	-	-						
80		38.2	34.1	27.4	21.5	27.8	23.4	-	-	88		31.6	26.7	24.5	20.8	23.0	19.8	-	-	88		31.6	26.7	24.5	20.8	23.0	19.8	-	-						
88		36.1	32.0	26.3	21.0	26.7	22.3	-	-	96		29.8	25.1	23.1	20.2	21.6	18.8	-	-	96		29.8	25.1	23.1	20.2	21.6	18.8	-	-						
96		33.9	30.3	25.2	20.4	25.5	21.4	15.6	-	104		28.0	23.8	21.9	19.8	20.4	17.9	14.5	-	104		28.0	23.8	21.9	19.8	20.4	17.9	14.5	-						
104		32.1	28.5	24.4	20.0	24.2	20.5	15.0	-	112		26.2	22.4	20.7	19.4	19.3	16.9	14.1	-	112		26.2	22.4	20.7	19.4	19.3	16.9	14.1	-						
112		30.3	26.6	23.5	19.6	22.9	19.6	14.3	9.9	120		25.0	21.1	19.7	18.7	18.3	16.0	13.5	9.6	120		25.0	21.1	19.7	18.7	18.3	16.0	13.5	9.6						
120		29.0	25.3	22.7	19.3	21.7	18.8	13.9	9.7	128		23.7	19.9	18.7	18.0	17.2	15.1	13.1	9.4	128		23.7	19.9	18.7	18.0	17.2	15.1	13.1	9.4						
128		27.7	24.0	21.9	19.1	20.6	18.0	13.5	9.6	136		22.5	19.0	17.7	17.2	16.3	14.3	12.7	9.3	136		22.5	19.0	17.7	17.2	16.3	14.3	12.7	9.3						
136		26.3	22.9	21.1	18.8	19.6	17.2	13.1	9.3	144		21.4	18.0	16.9	16.5	15.6	13.5	12.1	9.1	144		21.4	18.0	16.9	16.5	15.6	13.5	12.1	9.1						
144		25.0	21.8	20.3	18.6	18.8	16.4	12.7	9.2	152		20.4	17.1	16.2	15.8	14.9	12.7	11.6	8.8	152		20.4	17.1	16.2	15.8	14.9	12.7	11.6	8.8						
152		23.6	20.6	19.5	18.5	18.0	15.6	12.3	9.0	160		19.3	16.3	15.4	15.3	14.1	12.0	11.1	8.7	160		19.3	16.3	15.4	15.3	14.1	12.0	11.1	8.7						
160		22.4	19.7	18.9	18.2	17.0	14.9	12.0	8.7	168		18.3	15.5	14.7	14.6	13.3	11.4	10.6	8.5	168		18.3	15.5	14.7	14.6	13.3	11.4	10.6	8.5						
168		21.2	18.7	18.2	17.8	16.2	14.2	11.8	8.5	176		17.5	14.7	14.2	14.1	12.7	10.9	10.2	8.4	176		17.5	14.7	14.2	14.1	12.7	10.9	10.2	8.4						
176		19.8	17.8	17.5	17.5	15.5	13.5	11.5	8.4	184		16.7	14.1	13.7	13.7	12.1	10.3	9.8	8.4	184		16.7	14.1	13.7	13.7	12.1	10.3	9.8	8.4						
184		18.5	16.8	16.7	-	15.0	12.9	11.2	8.4	192		15.7	13.6	13.1	13.1	11.6	9.8	9.4	8.3	192		15.7	13.6	13.1	13.1	11.6	9.8	9.4	8.3						
192		17.4	15.9	15.9	-	14.4	12.2	11.0	8.4	200		14.9	13.0	12.6	-	11.0	9.3	8.8	8.2	200		14.9	13.0	12.6	-	11.0	9.3	8.8	8.2						
200		15.6	15.0	15.1	-	13.7	11.7	10.7	8.4	208		13.9	12.4	12.0	-	10.6	8.8	8.4	8.1	208		13.9	12.4	12.0	-	10.6	8.8	8.4	8.1						
208		11.9	14.1	14.2	-	13.1	11.2	10.4	8.4	216		12.9	11.7	11.5	-	10.2	8.4	8.2	7.9	216		12.9	11.7	11.5	-	10.2	8.4	8.2	7.9						
216		-	13.3	13.3	-	12.6	10.8	10.2	8.4	224		-	8.8	11																					



28.5 ft x 27.9 ft										360°					85%				
44.9 ft																			
		49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*					
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°			
ft		1,000 lb															ft		
14		98.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16		96.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
18		91.2	94.4	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
20		84.8	89.4	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
24		71.9	79.7	-	-	81.3	-	-	-	-	-	-	-	-	-	-	24		
28		63.9	70.4	-	-	73.3	-	-	63.9	-	-	-	-	-	-	-	28		
32		56.2	63.3	-	-	66.6	-	-	58.2	-	-	51.7	-	-	-	-	32		
36		50.5	57.9	38.2	-	61.0	-	-	53.8	-	-	48.0	43.4	-	-	-	36		
40		45.5	52.6	35.6	-	55.8	37.2	-	49.7	-	-	44.5	40.4	35.8	-	-	40		
48		38.2	44.2	31.6	24.4	48.0	33.6	-	43.1	34.7	-	39.0	35.5	31.4	-	-	48		
56		32.5	38.9	28.5	22.8	41.4	30.6	23.4	37.6	31.8	23.7	34.5	31.3	27.9	-	-	56		
64		28.6	33.7	26.0	21.4	37.0	28.0	22.3	32.7	29.3	22.7	30.6	27.9	24.8	-	-	64		
72		25.2	30.1	23.9	20.3	32.7	26.1	21.2	29.6	27.2	21.6	26.8	25.0	22.5	-	-	72		
80		22.8	27.1	22.2	19.5	29.2	24.2	20.4	26.7	24.8	20.8	24.6	22.1	20.2	17.9	-	80		
88		-	24.6	20.7	-	26.7	22.6	19.7	23.8	22.6	20.1	22.4	20.0	18.0	16.8	-	88		
96		-	22.8	19.6	-	24.3	21.4	19.1	21.7	20.8	19.6	20.1	18.3	16.3	15.6	11.0	96		
104		-	21.0	-	-	22.5	20.4	-	20.0	19.3	18.7	18.4	16.7	15.0	14.4	10.6	104		
112		-	-	-	-	20.9	-	-	18.4	17.8	-	16.9	15.1	13.8	13.2	10.3	112		
120		-	-	-	-	19.5	-	-	17.1	16.6	-	15.7	13.9	12.5	12.2	10.1	120		
128		-	-	-	-	-	-	-	15.9	15.4	-	14.5	12.9	11.3	11.3	9.8	128		
136		-	-	-	-	-	-	-	14.8	-	-	13.5	12.1	10.4	10.4	9.5	136		
144		-	-	-	-	-	-	-	13.9	-	-	12.7	11.2	9.6	9.6	9.3	144		
160		-	-	-	-	-	-	-	-	-	-	-	9.6	8.3	8.3	8.3	160		
176		-	-	-	-	-	-	-	-	-	-	-	8.5	7.1	7.1	-	176		
192		-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	192		

 118.8 ft																	
		49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°	
ft		1,000 lb															ft
32		76.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
36		70.8	67.7	-	-	-	-	-	-	-	-	-	-	-	-	-	36
40		65.4	64.1	-	-	54.8	-	-	-	-	-	-	-	-	-	-	40
48		56.8	57.4	-	-	48.9	-	-	42.3	-	-	37.2	-	-	-	-	48
56		50.9	51.6	33.6	-	44.0	33.8	-	38.0	-	-	33.7	29.8	-	-	-	56
64		45.2	46.9	31.3	23.3	39.8	31.7	-	34.4	30.6	-	30.7	27.0	23.8	-	-	64
72		40.4	42.6	29.4	22.5	36.4	29.8	22.5	31.4	28.1	-	28.1	24.7	21.7	-	-	72
80		37.5	38.6	27.7	21.7	33.4	28.2	21.7	28.9	25.9	21.7	25.7	22.6	19.8	-	-	80
88		34.5	35.8	26.2	21.0	30.4	26.6	21.2	26.6	24.0	21.2	23.9	20.9	18.2	-	-	88
96		31.4	33.4	25.0	20.3	28.1	25.1	20.7	24.3	22.5	20.5	22.2	19.4	16.7	15.3	-	96
104		29.2	31.0	23.9	19.8	26.3	23.8	20.1	22.6	21.0	19.6	20.4	18.0	15.6	14.2	-	104
112		27.5	28.8	22.9	19.4	24.6	22.4	19.6	21.1	19.6	18.7	18.7	16.7	14.5	13.2	10.3	112
120		25.7	27.2	22.1	19.1	22.7	21.1	19.3	19.7	18.5	17.7	17.6	15.5	13.3	12.4	10.1	120
128		24.2	25.6	21.3	18.8	21.2	19.8	18.9	18.4	17.4	16.8	16.5	14.4	12.2	11.6	9.8	128
136		23.0	24.1	20.5	18.6	20.1	18.8	18.2	17.1	16.3	15.9	15.5	13.4	11.4	10.8	9.5	136
144		22.0	22.8	19.9	-	19.0	17.9	17.5	16.0	15.5	15.0	14.4	12.6	10.7	10.0	9.2	144
152		21.0	21.5	19.4	-	17.9	17.1	9.3	15.1	14.7	14.3	13.4	11.8	10.1	9.2	8.8	152
160		11.4	20.7	19.1	-	16.9	16.3	-	14.4	13.9	13.6	12.7	11.0	9.4	8.6	8.5	160
168		-	19.9	9.0	-	16.0	15.6	-	13.7	13.1	6.9	12.1	10.2	8.6	8.1	8.1	168
176		-	17.5	-	-	15.5	15.1	-	12.9	12.4	-	11.5	9.6	7.8	7.6	7.6	176
184		-	-	-	-	14.9	6.6	-	12.2	11.9	-	10.9	9.0	7.4	7.2	7.2	184
192		-	-	-	-	14.0	-	-	11.6	11.4	-	10.2	8.7	7.0	6.7	6.7	192
200		-	-	-	-	5.5	-	-	11.2	11.0	-	9.7	8.2	6.6	6.3	6.3	200
208		-	-	-	-	-	-	-	10.7	4.1	-	9.3	7.6	6.1	6.0	6.0	208
216		-	-	-	-	-	-	-	10.4	-	-	9.1	7.1	5.7	5.5	5.5	216
232		-	-	-	-	-	-	-	-	-	-	-	6.5	5.0	5.0	-	232
248		-	-	-	-	-	-	-	-	-	-	-	6.0	4.5	4.5	-	248
264		-	-	-	-	-	-	-	-	-	-	-	-	4.1	-	-	264

28.5 ft x 27.9 ft																360°	85%
133.5 ft																	
	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*				
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°		
ft	1,000 lb															ft	
36	70.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	
40	65.7	62.6	-	-	-	-	-	-	-	-	-	-	-	-	-	40	
48	58.1	56.9	-	-	48.3	-	-	41.4	-	-	-	-	-	-	-	48	
56	51.8	51.8	33.9	-	43.8	-	-	37.6	-	-	33.2	-	-	-	-	56	
64	47.0	47.2	31.9	-	40.0	31.9	-	34.5	-	-	30.4	26.7	-	-	-	64	
72	42.4	43.5	30.0	22.5	36.7	30.2	-	31.6	28.3	-	28.0	24.5	21.4	-	-	72	
80	38.6	40.0	28.4	21.9	34.0	28.6	22.0	29.0	26.2	22.0	25.7	22.6	19.6	-	-	80	
88	36.0	36.8	26.9	21.2	31.4	27.1	21.3	27.1	24.3	21.4	23.9	20.8	18.3	-	-	88	
96	33.4	34.4	25.5	20.7	28.8	25.8	20.8	25.1	22.7	20.9	22.5	19.4	16.8	15.3	-	96	
104	31.0	32.3	24.5	20.1	27.0	24.3	20.3	23.3	21.3	20.1	20.9	18.1	15.7	14.3	-	104	
112	28.8	30.3	23.5	19.6	25.5	22.9	19.8	21.5	20.0	19.1	19.3	16.9	14.7	13.4	10.1	112	
120	27.3	28.3	22.6	19.3	23.9	21.8	19.4	20.3	18.8	18.0	18.1	15.7	13.6	12.5	10.1	120	
128	25.8	26.6	21.8	19.1	22.3	20.7	19.0	19.1	17.7	17.1	17.0	14.6	12.6	11.6	9.8	128	
136	24.4	25.2	21.1	18.8	20.8	19.6	18.6	17.9	16.7	16.3	16.1	13.7	11.7	11.0	9.5	136	
144	23.2	24.0	20.5	18.5	19.8	18.7	18.0	16.8	15.8	15.5	15.1	12.9	10.9	10.3	9.3	144	
152	22.2	22.8	20.0	-	18.8	17.8	17.3	15.8	14.9	14.7	14.2	12.2	10.3	9.6	9.0	152	
160	21.4	21.7	19.5	-	17.9	17.1	16.7	15.0	14.4	14.2	13.3	11.4	9.6	8.9	8.6	160	
168	19.4	20.8	18.9	-	17.0	16.4	-	14.2	13.8	13.6	12.5	10.7	9.0	8.4	8.2	168	
176	-	20.0	18.4	-	16.2	15.8	-	13.5	13.1	13.1	12.0	10.0	8.5	8.0	7.8	176	
184	-	16.6	-	-	15.6	15.2	-	12.9	12.5	-	11.4	9.5	7.7	7.5	7.4	184	
192	-	-	-	-	15.1	14.7	-	12.3	12.0	-	10.9	9.0	7.2	7.0	7.0	192	
200	-	-	-	-	14.5	-	-	11.9	11.6	-	10.4	8.5	6.8	6.6	6.6	200	
216	-	-	-	-	-	-	-	11.1	10.8	-	9.3	7.7	6.0	6.0	6.0	216	
232	-	-	-	-	-	-	-	-	-	-	8.7	6.8	5.4	5.2	-	232	
248	-	-	-	-	-	-	-	-	-	-	-	6.4	4.7	4.7	-	248	
264	-	-	-	-	-	-	-	-	-	-	-	5.4	4.3	4.1	-	264	
280	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	-	280	

148.3 ft																	
	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*				
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°		
ft	1,000 lb															ft	
40	65.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	
48	58.2	54.8	-	-	46.2	-	-	-	-	-	-	-	-	-	-	48	
56	52.4	50.5	-	-	42.4	-	-	36.4	-	-	-	-	-	-	-	56	
64	47.8	46.5	31.7	-	39.2	-	-	33.4	-	-	29.4	-	-	-	-	64	
72	44.0	43.1	30.0	-	36.2	30.0	-	31.1	-	-	27.2	23.9	-	-	-	72	
80	40.2	40.1	28.4	21.9	33.6	28.7	22.0	28.8	26.0	21.9	25.3	22.1	19.0	-	-	80	
88	37.1	37.5	27.2	21.2	31.5	27.3	21.4	26.8	24.4	21.2	23.6	20.6	17.7	-	-	88	
96	34.8	34.8	26.0	20.7	29.5	26.0	20.9	25.2	22.8	20.7	22.0	19.1	16.5	-	-	96	
104	32.7	32.7	24.8	20.2	27.5	24.6	20.4	23.6	21.4	19.9	20.8	18.0	15.3	14.0	-	104	
112	30.5	31.0	23.8	19.8	25.5	23.3	20.0	22.0	20.2	19.1	19.6	16.9	14.3	13.0	-	112	
120	28.7	29.2	23.0	19.4	24.3	22.1	19.5	20.6	19.1	18.2	18.3	15.8	13.5	12.3	9.9	120	
128	27.1	27.5	22.2	19.1	23.0	21.0	19.0	19.5	18.1	17.3	17.2	14.8	12.7	11.6	9.6	128	
136	25.8	25.9	21.3	18.8	21.7	20.1	18.6	18.5	17.2	16.5	16.3	13.9	11.9	10.8	9.5	136	
144	24.6	24.5	20.9	18.3	20.4	19.1	18.2	17.5	16.4	15.8	15.5	13.1	11.0	10.2	9.4	144	
152	23.4	23.2	20.4	17.8	19.3	18.2	17.8	16.4	15.5	15.1	14.7	12.5	10.1	9.6	9.2	152	
160	22.2	22.0	19.9	-	18.5	17.5	17.2	15.5	14.7	14.4	13.9	11.8	9.7	9.1	8.8	160	
168	21.0	20.7	19.3	-	17.7	16.9	16.6	14.7	14.1	13.8	13.0	11.1	9.2	8.6	8.3	168	
176	19.8	19.4	18.6	-	17.1	16.2	-	14.0	13.5	13.3	12.2	10.5	8.7	8.0	7.8	176	
184	-	18.1	17.7	-	16.3	15.5	-	13.4	13.0	12.8	11.7	9.8	8.1	7.6	7.4	184	
192	-	16.4	-	-	15.5	14.9	-	12.9	12.5	-	11.2	9.2	7.6	7.2	7.0	192	
200	-	13.0	-	-	14.5	14.3	-	12.4	11.9	-	10.8	8.8	7.1	6.8	6.7	200	
208	-	-	-	-	13.2	13.6	-	11.7	11.5	-	10.3	8.4	6.6	6.4	6.4	208	
216	-	-	-	-	11.9	-	-	11.1	11.3	-	9.7	8.0	6.2	6.0	6.0	216	
224	-	-	-	-	-	-	-	10.6	10.9	-	9.3	7.6	5.9	5.7	5.7	224	
240	-	-	-	-	-	-	-	7.1	-	-	8.7	6.8	5.2	5.2	5.2	240	
256	-	-	-	-	-	-	-	-	-	-	-	6.4	4.6	4.6	-	256	
272	-	-	-	-	-	-	-	-	-	-	-	5.2	4.1	4.1	-	272	
288	-	-	-	-	-	-	-	-	-	-	-	-	3.8	3.8	-	288	

* SF-A



76,500 lb

98,800 lb

119,700 lb

165,600 lb

211,400 lb

257,300 lb

28.5 ft x 27.9 ft											360°				85%			
163.1 ft																		
		49.2 ft		68.9 ft*		88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*				
		0°		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°		40°
1,000 lb																		
ft																ft		
48	55.9		-	-	-	-	-	-	-	-	-	-	-	-	-	48		
56	51.0	47.6	-	-		40.0	-	-	-	-	-	-	-	-	-	56		
64	46.7	44.5				37.2	-	-				-	-	-	-	64		
72	43.3	41.5	29.8			34.9	-	-				25.8	-	-	-	72		
80	40.3	38.9	28.4	21.7		32.5	28.2	21.9	27.7	25.1	-	24.2	21.0	17.9	-	80		
88	37.5	36.8	27.1	21.2		30.5	26.9	21.2	26.0	23.7	21.2	22.7	19.7	16.8	-	88		
96	34.8	34.6	26.0	20.7		28.9	25.5	20.8	24.4	22.4	20.7	21.4	18.5	15.8	-	96		
104	32.8	32.5	25.0	20.2		27.3	24.4	20.3	23.1	21.2	19.8	20.2	17.3	14.8	-	104		
112	31.2	30.5	24.0	19.8		25.7	23.3	19.8	21.8	20.0	18.9	19.1	16.3	13.8	12.7	112		
120	29.5	28.8	23.2	19.4		24.2	22.1	19.6	20.5	19.1	18.1	18.2	15.5	13.0	11.9	120		
128	27.8	27.1	22.4	19.1		22.9	21.0	19.2	19.4	18.1	17.3	17.2	14.7	12.3	11.2	128		
136	26.2	25.5	21.8	19.0		21.8	20.1	18.8	18.3	17.2	16.5	16.1	13.8	11.6	10.7	136		
144	24.8	23.9	21.1	18.6		20.9	19.2	18.3	17.5	16.5	15.8	15.4	13.0	10.9	10.1	144		
152	23.4	22.3	20.4	18.2		19.9	18.4	17.8	16.6	15.8	15.1	14.7	12.3	10.3	9.4	152		
160	21.9	20.8	19.6	17.4		18.8	17.6	17.2	15.8	15.0	14.6	14.0	11.6	9.6	9.0	160		
168	20.5	19.4	18.8	16.6		17.8	16.9	16.7	15.0	14.2	14.1	13.3	11.0	9.0	8.6	168		
176	19.2	18.1	18.0			16.7	16.2	16.2	14.2	13.5	13.5	12.7	10.4	8.5	8.0	176		
184	18.0	16.8	17.1	-		15.7	15.5	-	13.5	13.1	13.0	12.0	10.0	8.1	7.6	184		
192	15.6	15.6	16.1	-		14.8	14.8	-	12.9	12.7	12.7	11.4	9.6	7.6	7.2	192		
200	11.0	14.6	14.8	-		13.7	14.0	-	12.4	12.3	12.2	11.0	9.0	7.2	6.8	200		
208	-	12.3	-	-		12.7	13.1	-	11.7	11.8	-	10.6	8.5	6.8	6.5	208		
224	-	-	-	-		10.8	-	-	10.4	10.6	-	9.8	7.8	5.9	5.7	224		
240	-	-	-	-		-	-	-	8.9	9.1	-	8.9	7.1	5.4	5.2	240		
256	-	-	-	-		-	-	-	-	-	-	7.7	6.6	4.8	4.8	256		
272	-	-	-	-		-	-	-	-	-	-	-	5.6	4.3	4.3	272		
288	-	-	-	-		-	-	-	-	-	-	-	3.6	3.6	3.8	288		

 177.8 ft																	
		49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°	
ft		1,000 lb															ft
48		51.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
56		48.0	41.6	-	-	-	-	-	-	-	-	-	-	-	-	-	56
64		44.5	38.7	-	-	33.5	-	-	-	-	-	-	-	-	-	-	64
72		41.5	36.2	-	-	31.1	-	-	27.2	-	-	-	-	-	-	-	72
80		38.9	33.6	27.8	21.7	29.2	26.9	-	25.3	-	-	22.3	18.2	13.7	-	-	80
88		36.8	31.4	26.8	21.0	27.1	25.3	21.0	23.8	22.5	-	21.2	17.8	13.7	-	-	88
96		34.6	29.7	25.7	20.4	25.5	23.8	20.6	22.3	21.1	-	20.0	17.2	13.7	-	-	96
104		32.5	27.9	24.7	20.0	24.1	22.4	20.2	21.0	19.9	19.2	18.8	16.3	13.4	-	-	104
112		30.6	26.2	23.8	19.6	22.6	21.1	19.8	19.8	18.7	18.2	17.6	15.4	13.0	-	-	112
120		28.9	24.7	22.8	19.3	21.3	20.0	19.1	18.6	17.7	17.3	16.6	14.4	12.2	11.3	-	120
128		27.3	23.3	21.9	19.0	20.1	19.0	18.4	17.4	16.8	16.4	15.8	13.6	11.5	10.8	-	128
136		25.7	22.1	20.9	18.6	19.0	17.9	17.6	16.3	15.9	15.6	15.0	12.9	10.9	10.3	-	136
144		24.1	20.9	20.0	18.1	18.0	17.1	16.8	15.5	15.0	14.8	14.0	12.2	10.3	9.7	9.0	144
152		22.5	19.7	19.1	17.5	17.1	16.4	16.0	14.7	14.2	14.0	13.1	11.4	9.6	9.2	8.8	152
160		21.2	18.6	18.3	16.9	16.3	15.6	15.3	14.0	13.6	13.3	12.5	10.5	8.9	8.6	8.4	160
168		19.8	17.6	17.5	16.3	15.4	14.9	14.7	13.3	12.9	12.7	11.9	9.9	8.3	8.1	8.0	168
176		18.5	16.7	16.7	15.7	14.5	14.2	14.2	12.7	12.2	12.2	11.3	9.5	7.8	7.6	7.6	176
184		17.2	15.7	15.8	-	13.8	13.5	13.7	11.9	11.6	11.7	10.8	9.0	7.4	7.2	7.2	184
192		15.8	14.8	15.0	-	13.1	12.9	13.1	11.2	10.9	11.1	10.2	8.5	6.9	6.7	6.7	192
200		14.5	13.7	14.1	-	12.4	12.4	-	10.8	10.5	10.6	9.5	8.1	6.4	6.3	6.3	200
208		11.7	12.8	13.1	-	11.7	11.7	-	10.3	10.1	10.2	9.0	7.6	5.9	5.9	6.0	208
216		8.5	12.0	12.2	-	11.1	11.1	-	9.7	9.7	9.7	8.6	7.1	5.5	5.5	5.7	216
224		-	10.5	-	-	10.3	10.3	-	9.2	9.2	-	8.2	6.6	5.2	5.2	5.4	224
240		-	-	-	-	8.3	8.9	-	8.1	8.1	-	7.6	6.0	4.5	4.5	4.7	240
256		-	-	-	-	-	-	-	7.0	-	-	6.8	5.5	4.0	4.0	4.2	256
272		-	-	-	-	-	-	-	-	-	-	5.5	4.7	-	3.4	-	272
288		-	-	-	-	-	-	-	-	-	-	-	4.0	-	-	-	288

28.5 ft x 27.9 ft										360°						85%	
192.6 ft																	
		49.2 ft		68.9 ft*		88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			
		0°		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	
ft		1,000 lb															ft
56		41.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
64		38.7	33.1	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72		36.2	30.9	-	-	26.7	-	-	-	-	-	-	-	-	-	-	72
80		33.6	29.0	26.4	-	24.9	-	-	21.2	-	-	17.6	13.4	-	-	-	80
88		31.6	27.1	24.9	21.0	23.5	21.5	-	20.1	-	-	17.2	13.4	9.3	-	-	88
96		29.8	25.3	23.6	20.4	21.9	20.4	19.3	19.1	17.7	-	16.7	13.4	9.3	-	-	96
104		28.1	24.0	22.3	20.0	20.6	19.3	18.4	17.9	16.8	16.0	15.9	13.1	9.3	-	-	104
112		26.4	22.6	21.1	19.6	19.6	18.3	17.6	16.7	15.8	15.2	14.9	12.5	9.2	-	-	112
120		24.9	21.3	20.0	18.9	18.3	17.4	16.8	15.9	15.0	14.5	14.1	11.9	9.0	8.1	-	120
128		23.6	20.1	19.0	18.2	17.2	16.6	16.0	15.0	14.3	13.8	13.4	11.2	8.7	7.9	-	128
136		22.5	19.0	18.1	17.6	16.1	15.6	15.4	14.1	13.6	13.2	12.7	10.5	8.4	7.9	-	136
144		21.3	18.1	17.2	16.9	15.4	14.8	14.7	13.3	12.9	12.6	11.9	9.9	8.0	7.5	-	144
152		20.1	17.3	16.4	16.2	14.7	14.0	14.0	12.5	12.3	12.1	11.2	9.4	7.4	7.0	6.8	152
160		19.1	16.3	15.8	15.6	13.9	13.3	13.3	11.8	11.6	11.5	10.6	8.9	7.0	6.6	6.5	160
168		18.1	15.5	15.1	14.9	13.1	12.7	12.7	11.2	11.0	11.0	10.1	8.3	6.6	6.2	6.2	168
176		17.1	14.7	14.4	14.4	12.4	12.2	12.2	10.7	10.4	10.4	9.6	7.8	6.0	5.8	5.8	176
184		16.2	14.0	13.9	13.9	11.8	11.6	11.5	10.1	9.9	9.9	9.0	7.4	5.6	5.5	5.5	184
192		15.2	13.3	13.3	13.3	11.2	10.9	11.1	9.6	9.4	9.4	8.5	7.0	5.2	5.2	5.2	192
200		14.3	12.8	12.6	-	10.8	10.5	10.6	8.9	8.8	8.9	8.1	6.6	5.0	4.8	4.8	200
208		13.3	12.2	12.0	-	10.3	10.1	10.2	8.4	8.4	8.5	7.6	6.2	4.6	4.5	4.5	208
216		12.4	11.5	11.5	-	9.7	9.7	-	8.2	8.0	8.2	7.1	5.8	4.2	4.2	4.2	216
224		8.6	10.7	10.7	-	9.3	9.2	-	7.8	7.7	7.7	6.8	5.5	3.9	3.9	3.9	224
232		-	9.8	10.0	-	8.8	8.7	-	7.4	7.4	-	6.5	5.0	3.7	3.7	3.7	232
240		-	7.8	-	-	8.2	8.3	-	7.0	7.0	-	6.3	4.7	-	-	3.4	240
256		-	-	-	-	6.8	-	-	6.2	6.2	-	5.5	4.2	-	-	-	256
272		-	-	-	-	-	-	-	5.0	5.4	-	4.9	3.6	-	-	-	272
288		-	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	288

210.0 ft										206.4 ft									
	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft						
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°				
ft	1,000 lb																		
64	32.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
72	30.3	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-				
80	28.3	24.2	-	-	20.6	-	-	16.7	-	-	12.8	-	-	-	-				
88	26.3	22.6	21.2	-	19.4	-	-	16.2	-	-	12.8	9.0	6.0	-	-				
96	24.7	21.1	19.9	19.3	18.2	17.4	-	15.7	-	-	12.8	9.0	6.0	-	-				
104	23.3	19.9	18.8	18.3	17.0	16.3	16.1	14.8	14.3	-	12.5	9.0	6.0	-	-				
112	22.0	18.7	17.6	17.4	15.8	15.4	15.2	13.8	13.4	13.4	12.1	9.0	6.0	-	-				
120	20.6	17.6	16.6	16.3	15.0	14.4	14.2	12.9	12.6	12.6	11.4	8.8	6.0	-	-				
128	19.5	16.5	15.8	15.4	14.2	13.6	13.4	12.1	11.8	11.8	10.8	8.5	6.0	-	-				
136	18.5	15.5	15.0	14.7	13.2	12.7	12.7	11.4	11.0	11.0	10.3	8.4	6.0	-	-				
144	17.6	14.7	14.1	13.9	12.4	12.0	12.0	10.6	10.4	10.4	9.6	8.0	5.8	-	-				
152	16.6	14.0	13.4	13.2	11.6	11.4	11.4	9.8	9.8	9.8	8.9	7.4	5.7	-	-				
160	15.7	13.2	12.7	12.6	10.9	10.7	10.7	9.2	9.2	9.3	8.3	6.9	5.1	-	-				
168	14.9	12.5	12.1	12.1	10.3	10.1	10.1	8.6	8.6	8.7	7.7	6.3	4.7	-	-				
176	14.2	11.8	11.5	11.4	9.8	9.6	9.6	8.2	8.0	8.0	7.1	5.8	4.2	-	-				
184	13.7	11.1	11.0	10.8	9.2	9.0	9.0	7.7	7.6	7.6	6.7	5.4	3.8	-	-				
192	13.1	10.5	10.5	10.5	8.7	8.5	8.5	7.2	7.2	7.2	6.3	5.0	-	-	-				
200	12.4	10.1	9.9	10.0	8.2	8.1	8.2	6.8	6.8	6.7	5.9	4.6	-	-	-				
208	11.8	9.7	9.5	9.6	7.7	7.7	7.8	6.3	6.3	6.3	5.6	4.3	-	-	-				
216	11.3	9.3	9.1	-	7.3	7.3	7.3	5.8	5.8	6.0	5.3	4.0	-	-	-				
224	10.5	8.8	8.6	-	6.9	7.0	-	5.5	5.5	5.7	4.9	-	-	-	-				
232	9.2	8.2	8.2	-	6.5	6.5	-	5.2	5.2	5.2	4.5	-	-	-	-				
240	6.6	7.7	7.8	-	6.3	6.1	-	4.9	4.9	4.9	4.1	-	-	-	-				
248	-	6.9	7.4	-	5.8	5.8	-	4.6	4.6	-	4.0	-	-	-	-				
264	-	-	-	-	5.0	5.2	-	3.9	3.9	-	-	-	-	-	-				
280	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	-				

* SF-A  76,500 lb  98,800 lb  119,700 lb  165,600 lb  211,400 lb  257,300 lb

28.5 ft x 27.9 ft										360°						85%	
118.8 ft																	
		49.2 ft		68.9 ft*		88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			
		0°		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	
1,000 lb																	
ft																	ft
28	91.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
32	83.6	75.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
36	77.2	72.1	-	-	66.0	-	-	-	-	-	-	-	-	-	-	-	36
40	71.3	68.4	-	-	63.8	-	-	53.0	-	-	-	-	-	-	-	-	40
48	61.7	61.1	37.6	-	59.2	-	-	48.5	-	-	40.1	34.9	-	-	-	-	48
56	54.7	55.1	34.9	-	54.2	35.1	-	44.4	-	-	37.3	32.4	27.8	-	-	-	56
64	47.7	49.8	32.5	23.6	50.1	33.0	-	40.8	33.0	-	34.5	30.2	26.0	-	-	-	64
72	43.3	44.6	30.5	22.7	46.4	31.1	22.9	38.0	31.3	22.9	31.8	28.0	24.1	-	-	-	72
80	39.6	40.8	28.6	21.9	42.7	29.5	22.2	35.3	29.7	22.2	29.9	25.8	22.4	-	-	-	80
88	36.1	38.0	26.9	21.1	39.5	27.9	21.6	32.8	28.1	21.6	28.0	24.4	20.7	17.4	-	-	88
96	32.7	35.2	25.7	20.4	37.1	26.4	20.9	30.4	26.6	21.1	26.1	22.8	19.5	16.6	-	-	96
104	30.4	32.6	24.5	20.0	34.8	25.3	20.3	28.6	25.3	20.6	24.4	21.1	18.2	15.8	-	-	104
112	28.5	30.1	23.3	19.6	32.5	24.2	19.8	27.0	24.0	20.0	22.9	19.6	16.9	14.7	10.3	-	112
120	26.5	28.5	22.4	19.2	30.4	23.3	19.4	25.4	22.9	19.8	21.7	18.5	15.7	14.1	10.1	-	120
128	24.8	26.9	21.5	19.0	28.5	22.4	19.1	23.8	21.8	19.5	20.4	17.5	14.7	13.3	9.8	-	128
136	23.5	25.5	20.7	-	27.2	21.8	19.0	22.2	20.7	19.1	19.2	16.5	13.8	12.5	9.7	-	136
144	22.3	24.2	20.1	-	25.9	21.1	18.8	21.1	19.9	18.6	18.1	15.6	13.0	11.8	9.5	-	144
152	20.7	23.0	19.6	-	24.5	20.4	-	20.1	19.1	18.2	17.1	14.6	12.2	11.2	9.2	-	152
160	-	22.1	19.2	-	23.3	19.9	-	19.1	18.3	17.7	16.3	13.7	11.4	10.6	9.1	-	160
168	-	20.0	-	-	22.2	19.4	-	18.1	17.5	-	15.5	12.9	10.7	10.1	9.0	-	168
176	-	-	-	-	21.3	19.0	-	17.1	16.7	-	14.9	12.2	10.0	9.6	8.8	-	176
184	-	-	-	-	17.8	-	-	16.4	16.1	-	14.1	11.7	9.5	9.0	8.7	-	184
200	-	-	-	-	-	-	-	15.1	-	-	12.8	10.6	8.5	8.1	8.1	-	200
216	-	-	-	-	-	-	-	-	-	-	11.9	9.5	7.5	7.3	7.3	-	216
232	-	-	-	-	-	-	-	-	-	-	-	8.9	6.8	6.8	-	-	232
248	-	-	-	-	-	-	-	-	-	-	-	6.4	6.2	6.2	-	-	248
264	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	264

177.8 ft																		
	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*					
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°			
ft	1,000 lb																	ft
40	51.6	41.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
48	49.6	39.7	-	-	33.2	-	-	-	-	-	-	-	-	-	-	-	-	48
56	47.7	38.2	-	-	32.0	-	-	27.1	-	-	22.3	-	-	-	-	-	-	56
64	45.8	36.9	33.2	-	31.0	-	-	26.2	-	-	21.9	17.4	-	-	-	-	-	64
72	43.9	35.7	31.6	-	30.0	28.7	-	25.4	-	-	21.4	17.4	12.8	-	-	-	-	72
80	42.1	34.4	30.2	22.4	28.9	27.6	22.2	24.5	24.6	-	20.9	17.3	12.8	-	-	-	-	80
88	40.4	33.4	28.9	21.9	27.9	26.5	21.6	23.6	23.8	20.1	20.2	16.8	12.8	-	-	-	-	88
96	38.5	32.3	27.7	21.3	27.1	25.5	21.1	23.0	23.0	19.4	19.6	16.4	12.8	-	-	-	-	96
104	36.6	31.3	26.6	20.9	26.2	24.6	20.5	22.2	22.2	18.8	19.0	15.9	12.7	11.0	-	-	-	104
112	34.7	30.4	25.5	20.5	25.3	23.8	19.8	21.6	21.6	18.3	18.5	15.4	12.6	11.0	-	-	-	112
120	32.7	29.6	24.6	20.1	24.6	22.8	19.0	20.9	20.9	17.7	18.0	15.0	12.3	10.9	-	-	-	120
128	30.8	28.8	23.6	19.4	24.0	22.0	18.2	20.3	20.3	17.1	17.4	14.6	12.0	10.8	8.9	-	-	128
136	29.1	28.0	22.7	18.5	23.3	21.3	17.6	19.7	19.7	16.5	16.9	14.2	11.6	10.8	8.7	-	-	136
144	27.6	26.8	21.8	17.7	22.6	20.6	17.0	19.2	19.1	16.0	16.4	13.7	11.2	10.5	8.4	-	-	144
152	26.1	25.4	20.9	16.9	22.0	20.0	16.4	18.7	18.4	15.6	16.0	13.2	10.7	10.1	8.1	-	-	152
160	23.5	22.9	20.2	16.4	21.3	19.3	15.7	18.1	17.9	15.0	15.5	12.8	10.3	9.7	7.9	-	-	160
168	21.1	20.4	19.5	15.8	20.2	18.7	15.2	17.6	17.3	14.6	14.9	12.4	9.9	9.3	7.6	-	-	168
176	19.0	18.4	18.8	15.1	18.7	18.2	14.8	17.1	16.6	14.2	14.4	12.0	9.5	8.9	7.5	-	-	176
184	16.9	16.3	17.4	-	16.9	17.4	14.3	16.4	16.2	13.9	14.0	11.4	9.1	8.6	7.3	-	-	184
192	15.1	14.4	15.7	-	15.1	16.4	-	15.5	15.8	13.4	13.6	10.9	8.7	8.3	7.0	-	-	192
200	12.4	12.7	13.8	-	13.3	14.6	-	13.9	14.9	13.1	13.2	10.5	8.3	7.9	6.9	-	-	200
208	8.7	10.9	12.0	-	11.6	12.8	-	12.3	13.4	-	12.8	10.1	7.9	7.6	6.8	-	-	208
224	-	6.0	-	-	8.7	9.5	-	9.3	10.2	-	11.2	9.4	7.2	7.0	6.4	-	-	224
240	-	-	-	-	4.8	-	-	6.6	7.5	-	8.8	8.4	6.9	6.5	6.2	-	-	240
256	-	-	-	-	-	-	-	-	-	-	6.6	6.4	5.1	6.2	6.0	-	-	256
272	-	-	-	-	-	-	-	-	-	-	-	4.3	-	4.6	-	-	-	272

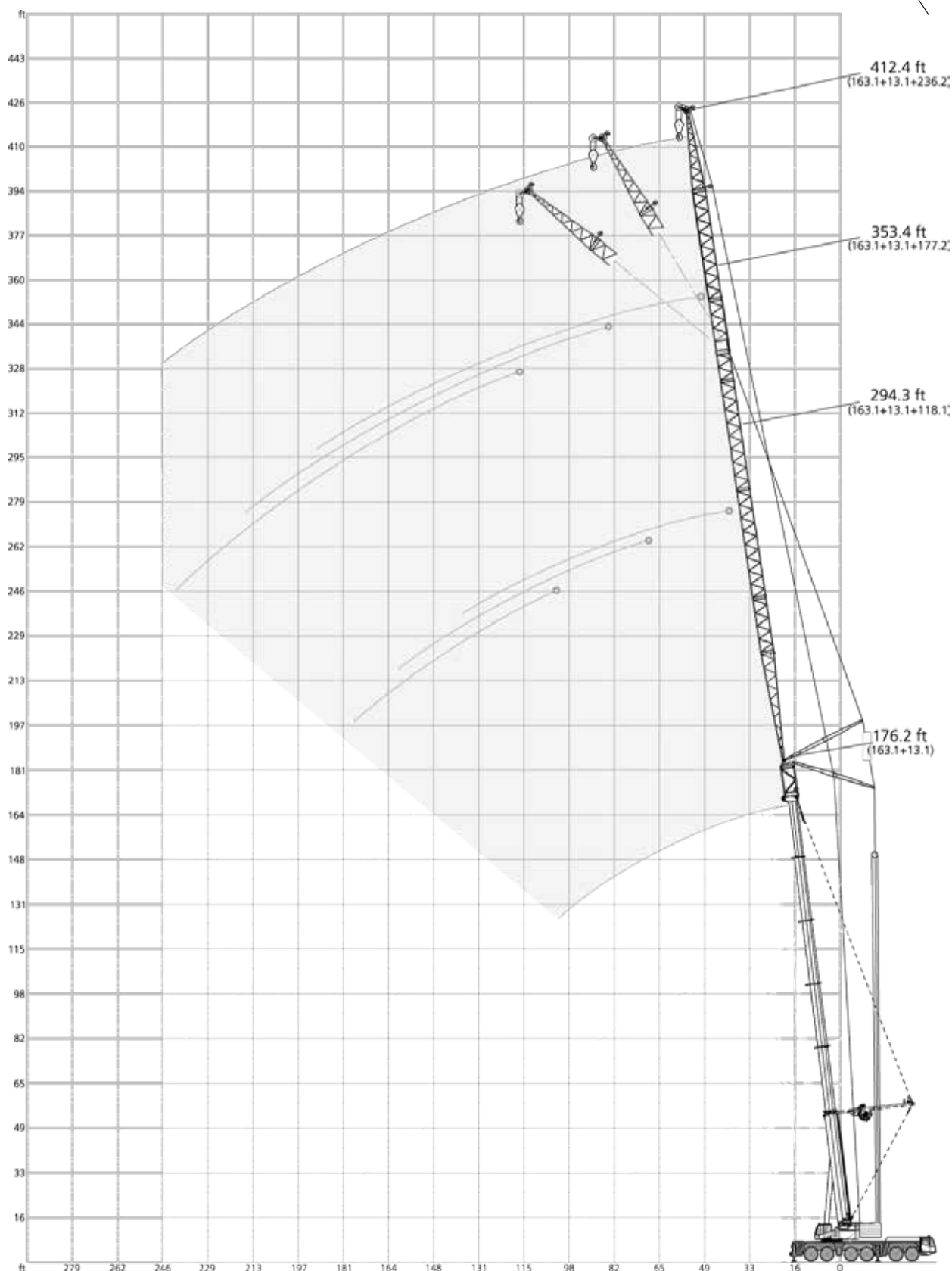
28.5 ft x 27.9 ft										360°						85%	
192.6 ft																	
		49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°	
1,000 lb																	
ft																	ft
40		40.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
48		38.6	31.7	-	-	26.2	-	-	-	-	-	-	-	-	-	-	48
56		37.0	30.5	-	-	25.2	-	-	20.8	-	-	-	-	-	-	-	56
64		35.4	29.3	-	-	24.2	-	-	20.2	-	-	16.1	-	-	-	-	64
72		34.2	28.2	27.4	-	23.4	23.8	-	19.4	-	-	16.1	12.1	-	-	-	72
80		32.9	27.2	26.3	22.0	22.6	23.0	19.9	18.8	19.3	-	15.6	12.1	8.4	-	-	80
88		31.7	26.3	25.2	21.3	21.8	22.2	19.2	18.1	18.6	17.2	15.0	11.9	8.4	-	-	88
96		30.5	25.4	24.3	20.5	21.1	21.4	18.5	17.6	17.9	16.7	14.6	11.8	8.4	-	-	96
104		29.5	24.5	23.5	19.7	20.4	20.7	17.9	17.0	17.3	16.2	14.3	11.4	8.4	-	-	104
112		28.6	23.6	22.7	18.9	19.6	20.0	17.4	16.5	16.7	15.6	13.9	11.0	8.4	7.1	-	112
120		27.7	22.9	21.9	18.1	18.9	19.4	16.7	15.8	16.2	15.2	13.3	10.7	8.1	7.1	-	120
128		26.8	22.2	21.1	17.4	18.3	18.7	16.1	15.3	15.6	14.8	12.8	10.4	7.8	7.1	-	128
136		26.0	21.5	20.4	16.9	17.8	18.2	15.6	14.9	15.1	14.4	12.4	10.0	7.6	7.1	6.4	136
144		25.2	20.9	19.8	16.1	17.2	17.7	15.0	14.5	14.6	13.9	12.1	9.6	7.3	7.1	6.4	144
152		24.4	20.2	19.1	15.6	16.7	17.1	14.5	14.0	14.1	13.4	11.9	9.2	7.0	7.0	6.4	152
160		23.5	19.7	18.4	15.0	16.1	16.6	14.2	13.5	13.7	13.1	11.4	9.0	6.7	6.9	6.4	160
168		21.7	19.1	17.9	14.6	15.7	16.1	13.7	13.0	13.2	12.7	11.1	8.7	6.5	6.8	6.3	168
176		19.5	18.6	17.5	14.2	15.3	15.7	13.3	12.6	12.8	12.4	10.8	8.4	6.4	6.6	6.2	176
184		17.6	16.9	17.1	-	14.9	15.3	13.0	12.2	12.4	12.1	10.5	8.1	6.2	6.5	6.1	184
192		15.7	15.1	16.4	-	14.4	14.9	12.7	11.8	12.1	11.8	10.1	7.9	5.9	6.3	5.9	192
200		14.1	13.4	14.6	-	13.6	14.6	12.3	11.6	11.8	11.6	9.8	7.6	5.6	6.1	5.6	200
208		12.4	11.7	12.9	-	12.3	13.4	-	11.3	11.5	11.3	9.5	7.4	5.4	5.9	5.5	208
216		9.7	10.2	11.1	-	10.7	11.8	-	11.0	11.3	11.0	9.3	7.3	5.3	5.7	5.5	216
224		-	8.8	9.6	-	9.2	10.2	-	9.5	10.7	-	9.0	7.0	5.0	5.5	5.3	224
232		-	6.9	-	-	7.8	8.6	-	8.2	9.3	-	8.8	6.8	4.8	5.2	5.2	232
248		-	-	-	-	5.1	6.1	-	5.8	6.7	-	7.8	6.4	4.5	4.8	5.1	248
264		-	-	-	-	-	-	-	-	4.4	-	5.7	5.4	3.9	4.5	4.9	264
280		-	-	-	-	-	-	-	-	-	-	3.8	-	-	3.6	-	280

 210.0 ft															
		49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft		
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°		
ft		1,000 lb													ft
48		31.0	25.7	-	-	-	-	-	-	-	-	-	-	48	
56		29.6	24.4	-	-	19.8	-	-	-	-	-	-	-	56	
64		28.3	23.5	-	-	19.3	-	-	15.2	-	-	-	-	64	
72		27.1	22.5	23.0	-	18.5	-	-	15.2	-	-	11.5	7.7	72	
80		26.1	21.5	22.1	19.3	17.7	18.2	-	14.7	14.3	-	11.4	7.7	80	
88		25.0	20.7	21.1	18.5	17.0	17.5	16.5	14.1	14.3	-	11.2	7.7	88	
96		23.9	19.9	20.3	17.8	16.5	16.8	15.8	13.6	14.1	13.9	10.9	7.7	96	
104		22.9	19.1	19.5	17.2	15.8	16.2	15.3	13.1	13.5	13.6	10.6	7.7	104	
112		22.0	18.3	18.7	16.5	15.2	15.6	14.7	12.5	13.0	13.2	10.3	7.7	112	
120		21.3	17.6	18.0	16.0	14.5	14.9	14.3	12.0	12.4	12.7	9.9	7.4	120	
128		20.6	17.0	17.4	15.3	13.9	14.3	13.9	11.5	11.9	12.2	9.5	7.2	128	
136		19.8	16.4	16.7	14.7	13.3	13.8	13.3	10.9	11.4	11.8	9.1	6.9	136	
144		19.1	15.8	16.1	14.3	12.9	13.3	13.0	10.6	10.9	11.3	8.8	6.6	144	
152		18.4	15.1	15.6	13.8	12.5	12.7	12.5	10.3	10.5	10.7	8.6	6.4	152	
160		17.9	14.6	15.0	13.4	12.0	12.3	12.3	9.9	10.1	10.3	8.3	6.1	160	
168		17.4	14.1	14.5	13.0	11.5	11.9	11.9	9.5	9.7	10.0	8.0	5.8	168	
176		16.8	13.7	14.0	12.6	11.1	11.3	11.5	9.1	9.3	9.7	7.6	5.6	176	
184		16.5	13.2	13.7	12.3	10.7	11.0	11.2	8.7	9.0	9.3	7.3	5.4	184	
192		15.5	12.9	13.4	11.8	10.3	10.7	11.0	8.3	8.7	9.0	7.0	5.2	192	
200		13.8	12.5	13.0	-	10.0	10.3	10.7	8.1	8.3	8.7	6.7	5.0	200	
208		12.1	11.2	12.0	-	9.7	10.0	10.4	7.8	8.0	8.4	6.5	4.7	208	
224		9.3	8.2	9.2	-	8.3	9.4	-	7.2	7.5	7.9	6.0	4.3	224	
240		-	5.7	6.4	-	5.9	6.9	-	6.2	6.9	-	5.6	3.8	240	
256		-	-	-	-	-	4.4	-	-	4.8	-	5.3	3.5	256	
272		-	-	-	-	-	-	-	-	-	-	4.0	-	272	

* SF-A-SL  119,700 lb 165,600 lb 211,400 lb 257,300 lb

SWIHI / WIHI / WIHI-A / SWIHI-SL / WIHI-SL / WIHI-A-SL

AC 350-6



 28.5 ft x 27.9 ft										360°						85 %	
 59.7 ft +  13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft1,000 lbft																	
40		134.0	-	-	100.1	-	-	-	-	-	-	-	-	-	-	-	40
48		127.0	-	-	100.1	-	-	-	-	-	-	-	-	-	-	-	48
56		116.7	-	-	99.1	-	-	91.2	-	-	71.4	-	-	-	-	-	56
64		102.7	-	-	95.5	-	-	88.9	-	-	69.9	-	-	56.7	-	-	64
72		82.1	93.1	-	88.4	93.4	-	86.0	-	-	68.6	-	-	55.6	-	-	72
80		-	83.3	80.1	-	83.7	-	79.0	80.0	-	67.2	-	-	54.5	-	-	80
88		-	-	72.4	-	75.7	72.7	69.4	74.7	-	63.8	65.9	-	53.5	-	-	88
96		-	-	-	-	-	66.2	58.5	68.1	-	60.1	63.6	-	52.2	-	-	96
104		-	-	-	-	-	-	-	62.6	60.0	54.8	61.0	-	50.5	51.8	-	104
112		-	-	-	-	-	-	-	-	55.1	46.7	56.9	54.2	48.8	50.9	-	112
120		-	-	-	-	-	-	-	-	-	-	52.2	50.0	45.6	49.4	47.8	120
128		-	-	-	-	-	-	-	-	-	-	46.3	46.2	39.6	47.0	45.3	128
136		-	-	-	-	-	-	-	-	-	-	-	42.7	33.7	43.6	42.0	136
144		-	-	-	-	-	-	-	-	-	-	-	-	-	39.4	38.9	144
152		-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.3	152

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**					
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°			
ft		1,000 lb															ft		
72		44.3	-	-		-	-		-	-		-	-	-		-	-	-	72
80		43.5	-	-		35.4	-	-		-	-		-	-	-		-	-	80
88		42.7	-	-		34.7	-	-		29.4	-	-		-	-	-		-	88
96		42.1	-	-		34.1	-	-		28.8	-	-		24.0	-	-		-	96
104		41.3	-	-		33.5	-	-		28.4	-	-		23.5	-	-		18.6	104
112		40.7	40.8	-		32.8	-	-		28.0	-	-		23.1	-	-		18.5	112
120		40.1	40.2	-		32.5	32.3	-		27.6	-	-		22.8	-	-		18.2	120
128		39.5	39.7	-		32.0	32.0	-		27.0	26.9	-		22.4	-	-		17.8	128
136		37.2	39.3	39.0		31.6	31.4	-		26.2	26.5	-		22.1	-	-		17.1	136
144		33.2	37.9	37.4		31.3	31.1	-		25.4	26.0	-		21.4	21.5	-		16.6	144
152		29.2	36.0	35.6		29.8	30.8	30.8		24.6	25.5	-		20.6	21.1	-		16.0	152
160		-	33.1	33.3		27.2	30.1	30.6		23.8	24.9	25.3		19.8	20.6	-		15.5	160
168		-	-	31.3		24.5	29.0	29.9		22.6	24.1	24.6		19.1	19.9	-		14.9	168
176		-	-	29.4		-	27.4	28.3		21.2	23.3	23.9		18.4	19.3	19.9		14.2	176
184		-	-	-		-	-	26.6		19.8	22.3	23.2		17.7	18.6	19.3		13.7	184
192		-	-	-		-	-	25.1		-	21.4	22.5		17.1	18.0	18.6		13.1	192
200		-	-	-		-	-	-		-	20.5	21.6		16.5	17.4	17.9		12.7	200
208		-	-	-		-	-	-		-	-	20.7		16.0	17.0	17.5		12.3	208
216		-	-	-		-	-	-		-	-	-		-	16.6	17.0		11.9	216
224		-	-	-		-	-	-		-	-	-		-	-	16.5		11.7	224
232		-	-	-		-	-	-		-	-	-		-	-	-		-	232
240		-	-	-		-	-	-		-	-	-		-	-	-		11.8	240
248		-	-	-		-	-	-		-	-	-		-	-	-		11.4	248
		-	-	-		-	-	-		-	-	-		-	-	-		11.3	248

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

 28.5 ft x 27.9 ft										360°						85%	
 74.5 ft +  13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
40		123.7	-	-	-	-	-	88.1	-	-	-	-	-	-	-	-	40
48		121.2	-	-	100.1	-	-	86.4	-	-	68.2	-	-	-	-	-	48
56		116.6	-	-	100.1	-	-	85.0	-	-	66.9	-	-	54.3	-	-	56
64		106.2	-	-	97.1	-	-	83.6	-	-	65.5	-	-	53.1	-	-	64
72		90.3	91.1	-	92.3	-	-	81.6	-	-	64.4	-	-	52.3	-	-	72
80		-	81.6	-	77.3	81.8	-	76.8	79.4	-	63.2	63.3	-	51.2	-	-	80
88		-	73.7	70.0	-	74.1	-	71.1	73.2	-	61.5	62.3	-	50.4	-	-	88
96		-	-	63.7	-	67.5	64.2	62.5	66.6	-	59.5	61.4	-	49.6	48.7	-	96
104		-	-	58.2	-	-	58.6	-	61.3	57.8	57.2	59.8	-	48.8	48.0	-	104
112		-	-	-	-	-	-	-	-	52.9	50.0	55.3	51.8	48.0	47.4	-	112
120		-	-	-	-	-	-	-	-	48.9	-	51.3	47.7	46.7	46.8	46.2	120
128		-	-	-	-	-	-	-	-	-	-	47.4	44.2	42.1	45.5	43.4	128
136		-	-	-	-	-	-	-	-	-	-	-	40.8	36.7	42.9	40.2	136
144		-	-	-	-	-	-	-	-	-	-	-	38.0	-	40.1	37.4	144
152		-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.7	152
160		-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.5	160

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
64		42.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72		41.9	-	-	34.2	-	-	28.7	-	-	-	-	-	-	-	-	72
80		41.1	-	-	33.4	-	-	28.1	-	-	23.5	-	-	20.9	-	-	80
88		40.3	-	-	32.7	-	-	27.6	-	-	23.0	-	-	20.4	-	-	88
96		39.6	-	-	32.1	-	-	27.1	-	-	22.6	-	-	20.0	-	-	96
104		39.1	38.9	-	31.6	-	-	26.6	-	-	22.2	-	-	19.6	-	-	104
112		38.6	38.3	-	31.1	31.1	-	26.2	-	-	21.8	-	-	19.1	-	-	112
120		38.2	37.8	-	30.7	30.5	-	25.9	25.7	-	21.5	-	-	18.5	-	-	120
128		37.7	37.4	-	30.3	30.0	-	25.4	25.2	-	21.2	20.8	-	17.9	-	-	128
136		36.7	37.1	36.9	30.0	29.6	-	25.0	24.8	-	20.8	20.6	-	17.3	-	-	136
144		33.8	36.6	35.7	29.7	29.3	29.1	24.5	24.5	-	20.4	20.3	-	16.7	16.9	-	144
152		30.4	35.9	34.1	29.1	29.1	28.8	24.0	24.2	24.0	20.0	20.0	-	16.0	16.5	-	152
160		-	34.0	31.7	27.2	28.8	28.6	23.6	23.9	23.9	19.5	19.6	-	15.5	15.9	-	160
168		-	32.0	29.7	25.3	28.3	27.9	22.8	23.6	23.7	18.8	19.2	18.8	14.9	15.5	-	168
176		-	-	27.8	23.4	27.7	26.8	21.8	23.2	23.4	18.2	18.8	18.6	14.2	15.1	-	176
184		-	-	-	-	26.9	25.3	20.7	22.6	23.1	17.7	18.4	18.4	13.7	14.5	15.0	184
192		-	-	-	-	-	23.7	19.6	21.9	22.7	17.3	18.0	18.2	13.1	14.0	14.4	192
200		-	-	-	-	-	22.4	-	21.0	21.5	16.9	17.4	18.0	12.7	13.5	13.9	200
208		-	-	-	-	-	-	-	20.0	20.3	16.4	17.0	17.6	12.3	12.9	13.4	208
216		-	-	-	-	-	-	-	-	19.0	15.9	16.6	17.2	11.9	12.4	13.0	216
224		-	-	-	-	-	-	-	-	-	-	16.2	16.8	11.7	12.1	12.6	224
232		-	-	-	-	-	-	-	-	-	-	-	16.4	-	11.8	12.2	232
240		-	-	-	-	-	-	-	-	-	-	-	-	-	11.4	11.8	240
248		-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5	248

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

 28.5 ft x 27.9 ft										360°						85%	
 89.2 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
40		112.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
48		110.2	-	-	99.4	-	-	79.2	-	-	-	-	-	-	-	-	48
56		108.4	-	-	98.3	-	-	78.0	-	-	61.7	-	-	49.3	-	-	56
64		104.0	-	-	96.2	-	-	76.9	-	-	60.6	-	-	48.3	-	-	64
72		95.4	89.5	-	92.9	-	-	75.9	-	-	59.5	-	-	47.4	-	-	72
80		-	80.3	-	84.1	80.5	-	74.0	73.3	-	58.7	-	-	46.7	-	-	80
88		-	72.4	-	-	72.8	-	71.8	71.0	-	57.8	57.5	-	46.0	-	-	88
96		-	65.9	62.0	-	66.2	-	66.2	65.4	-	57.1	56.8	-	45.4	45.1	-	96
104		-	-	56.7	-	-	57.2	57.1	59.7	-	55.1	55.7	-	44.9	44.5	-	104
112		-	-	-	-	-	52.2	-	55.1	50.9	52.3	54.2	49.8	44.5	43.9	-	112
120		-	-	-	-	-	-	-	-	47.0	45.2	50.1	46.1	43.5	43.6	-	120
128		-	-	-	-	-	-	-	-	43.4	-	46.2	42.6	41.3	42.9	41.5	128
136		-	-	-	-	-	-	-	-	-	-	42.9	39.5	37.3	41.5	38.6	136
144		-	-	-	-	-	-	-	-	-	-	-	36.7	33.2	38.9	35.8	144
152		-	-	-	-	-	-	-	-	-	-	-	-	-	36.3	33.4	152
160		-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.2	160
168		-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.3	168

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
64		39.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72		38.8	-	-	31.8	-	-	-	-	-	-	-	-	-	-	-	72
80		38.1	-	-	31.0	-	-	26.0	-	-	23.7	-	-	-	-	-	80
88		37.5	-	-	30.5	-	-	25.6	-	-	23.2	-	-	19.5	-	-	88
96		37.0	-	-	29.9	-	-	25.1	-	-	22.8	-	-	19.1	-	-	96
104		36.3	-	-	29.4	-	-	24.6	-	-	22.4	-	-	18.7	-	-	104
112		35.9	35.7	-	28.9	28.6	-	24.2	-	-	22.0	-	-	18.3	-	-	112
120		35.5	35.1	-	28.5	28.2	-	24.0	23.5	-	21.6	-	-	17.7	-	-	120
128		35.2	34.7	-	28.2	27.8	-	23.7	23.3	-	21.3	-	-	17.2	-	-	128
136		34.9	34.5	-	28.0	27.4	-	23.4	23.0	-	21.0	20.6	-	16.7	-	-	136
144		33.2	34.2	33.4	27.8	27.2	-	23.2	22.7	-	20.5	20.3	-	16.2	16.7	-	144
152		31.0	33.9	32.6	27.4	27.1	26.7	22.9	22.5	-	20.0	20.0	-	15.8	16.3	-	152
160		-	33.0	30.4	26.3	26.8	26.5	22.8	22.3	21.7	19.5	19.8	-	15.3	15.9	-	160
168		-	31.3	28.5	25.2	26.6	26.1	22.4	22.2	21.5	18.9	19.4	-	14.7	15.4	-	168
176		-	29.4	26.7	24.0	26.5	25.5	21.9	22.1	21.4	18.2	18.8	18.5	14.2	14.8	-	176
184		-	-	25.1	-	25.9	24.0	21.0	21.7	21.4	17.6	18.4	18.3	13.7	14.5	15.2	184
192		-	-	-	-	25.1	22.4	20.1	21.3	21.3	17.1	18.0	18.0	13.1	14.0	14.7	192
200		-	-	-	-	-	21.1	-	20.7	20.4	16.7	17.4	17.8	12.6	13.5	14.1	200
208		-	-	-	-	-	19.9	-	20.2	19.1	16.3	17.0	17.5	12.2	12.9	13.6	208
216		-	-	-	-	-	-	-	19.7	17.9	15.9	16.6	17.2	11.9	12.4	13.0	216
224		-	-	-	-	-	-	-	-	16.9	-	16.2	16.6	11.7	12.1	12.6	224
232		-	-	-	-	-	-	-	-	-	-	-	15.8	11.3	11.8	12.3	232
240		-	-	-	-	-	-	-	-	-	-	-	14.9	-	11.6	12.0	240
248		-	-	-	-	-	-	-	-	-	-	-	-	-	11.1	11.7	248
256		-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.2	256

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

 28.5 ft x 27.9 ft										360°						85%	
 104.0 ft +  13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
48		91.1	-	-	-	-	-	66.7	-	-	-	-	-	-	-	-	48
56		87.5	-	-	82.3	-	-	65.7	-	-	52.9	-	-	-	-	-	56
64		83.0	-	-	79.4	-	-	64.8	-	-	52.0	-	-	41.6	-	-	64
72		79.9	-	-	76.3	-	-	64.2	-	-	51.2	-	-	41.0	-	-	72
80		76.3	69.5	-	73.5	-	-	62.9	-	-	50.6	-	-	40.3	-	-	80
88		-	64.7	-	70.0	64.5	-	60.8	60.0	-	50.0	-	-	39.9	-	-	88
96		-	60.9	-	-	60.4	-	58.6	56.8	-	49.2	48.1	-	39.4	-	-	96
104		-	-	51.4	-	57.6	-	56.3	53.7	-	48.3	47.3	-	38.9	-	-	104
112		-	-	48.3	-	-	47.5	-	50.8	45.3	47.2	46.4	-	38.6	38.1	-	112
120		-	-	-	-	-	44.8	-	48.1	42.7	44.6	44.4	-	38.3	37.6	-	120
128		-	-	-	-	-	-	-	-	40.2	-	42.5	38.4	37.6	37.0	-	128
136		-	-	-	-	-	-	-	-	37.8	-	40.7	36.4	36.2	36.3	-	136
144		-	-	-	-	-	-	-	-	35.2	-	38.1	34.1	34.7	35.5	32.5	144
152		-	-	-	-	-	-	-	-	-	-	31.9	-	34.6	31.0	-	152
160		-	-	-	-	-	-	-	-	-	-	-	-	32.5	29.0	-	160
168		-	-	-	-	-	-	-	-	-	-	-	-	-	27.1	-	168
176		-	-	-	-	-	-	-	-	-	-	-	-	-	25.4	-	176

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
72		33.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72
80		33.0	-	-	26.6	-	-	24.0	-	-	20.9	-	-	-	-	-	80
88		32.4	-	-	26.1	-	-	23.7	-	-	20.4	-	-	16.9	-	-	88
96		32.0	-	-	25.9	-	-	23.3	-	-	20.0	-	-	16.6	-	-	96
104		31.7	-	-	25.5	-	-	23.0	-	-	19.6	-	-	16.3	-	-	104
112		31.3	30.4	-	25.1	-	-	22.7	-	-	19.2	-	-	15.9	-	-	112
120		31.0	30.3	-	24.8	23.1	-	22.3	-	-	18.9	-	-	15.6	-	-	120
128		30.8	30.1	-	24.6	23.1	-	21.9	-	-	18.6	-	-	15.3	-	-	128
136		30.5	30.0	-	24.3	23.1	-	21.5	20.3	-	18.4	-	-	15.1	-	-	136
144		30.2	29.8	-	24.1	23.1	-	21.3	20.3	-	18.1	17.8	-	14.8	-	-	144
152		29.7	29.7	27.2	24.0	23.1	-	21.1	20.3	-	17.8	17.6	-	14.5	13.4	-	152
160		29.0	29.5	26.6	23.9	23.1	20.9	20.9	20.1	-	17.6	17.3	-	14.2	13.4	-	160
168		-	28.8	25.6	23.8	23.1	20.9	20.6	20.1	-	17.4	17.1	-	13.9	13.4	-	168
176		-	27.7	24.4	23.8	23.1	20.9	20.3	20.1	18.1	17.2	17.0	-	13.5	13.4	-	176
184		-	-	22.9	-	23.1	20.9	20.1	19.9	18.1	17.0	16.8	15.9	13.1	13.2	-	184
192		-	-	21.5	-	23.0	20.4	19.8	19.8	18.0	16.7	16.7	15.9	12.7	12.9	11.5	192
200		-	-	-	-	22.2	19.1	19.5	19.7	17.8	16.4	16.6	15.9	12.3	12.7	11.5	200
208		-	-	-	-	-	17.9	-	19.5	17.0	16.1	16.4	15.9	12.0	12.4	11.5	208
216		-	-	-	-	-	16.8	-	19.2	15.9	15.7	16.1	15.9	11.7	12.1	11.5	216
224		-	-	-	-	-	-	-	-	15.1	-	15.8	14.9	11.4	11.9	11.5	224
232		-	-	-	-	-	-	-	-	14.1	-	15.6	14.1	11.2	11.6	11.4	232
240		-	-	-	-	-	-	-	-	-	-	15.3	13.1	10.9	11.3	11.3	240
248		-	-	-	-	-	-	-	-	-	-	-	12.3	-	11.1	11.0	248
256		-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.6	256
264		-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	264
272		-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	272

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

 28.5 ft x 27.9 ft										360°						85%	
 118.8 ft +  13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
48		80.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
56		79.1	-	-	72.4	-	-	58.5	-	-	-	-	-	-	-	-	56
64		78.0	-	-	71.6	-	-	57.9	-	-	45.7	-	-	-	-	-	64
72		74.6	-	-	69.9	-	-	57.1	-	-	45.0	-	-	36.8	-	-	72
80		69.6	61.9	-	66.0	-	-	56.5	-	-	44.5	-	-	36.3	-	-	80
88		-	57.7	-	62.7	-	-	55.7	-	-	44.1	-	-	35.8	-	-	88
96		-	54.1	-	-	53.9	-	54.9	50.8	-	43.6	-	-	35.4	-	-	96
104		-	51.3	-	-	51.1	-	53.0	48.0	-	43.2	41.8	-	35.1	-	-	104
112		-	-	41.5	-	-	41.8	-	45.3	-	42.9	40.9	-	34.8	32.8	-	112
120		-	-	39.4	-	-	39.6	-	42.8	37.5	41.6	39.3	-	34.7	32.8	-	120
128		-	-	-	-	-	-	-	41.1	35.5	39.9	37.6	-	34.4	32.6	-	128
136		-	-	-	-	-	-	-	-	33.7	-	35.9	31.9	33.9	31.9	-	136
144		-	-	-	-	-	-	-	-	32.2	-	34.7	30.3	32.9	31.1	-	144
152		-	-	-	-	-	-	-	-	-	-	-	28.7	-	30.3	26.7	152
160		-	-	-	-	-	-	-	-	-	-	-	27.7	-	29.5	25.5	160
168		-	-	-	-	-	-	-	-	-	-	-	-	-	28.7	24.4	168
176		-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.5	176
184		-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.5	184

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
72	29.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	
80	29.3	-	-		22.3	-	-	22.0	-	-	-	-	-	-	-	80	
88	29.2	-	-		22.3	-	-	21.5	-	-	18.4	-	-	-	-	88	
96	28.8	-	-		22.3	-	-	21.1	-	-	18.0	-	-	14.1	-	96	
104	28.5	-	-		22.2	-	-	20.7	-	-	17.7	-	-	14.0	-	104	
112	28.2		-		22.0	-	-	20.3	-	-	17.4	-	-	13.9	-	112	
120	27.9	24.9	-		22.0		-	20.0	-	-	17.1	-	-	13.7	-	120	
128	27.7	24.9	-		22.0	18.5	-	19.7	-	-	16.9	-	-	13.6	-	128	
136	27.6	24.9	-		21.9	18.5	-	19.5		-	16.6	-	-	13.5	-	136	
144	27.5	24.9	-		21.7	18.5	-	19.2	18.6	-	16.3	-	-	13.2	-	144	
152	27.3	24.9			21.6	18.5		18.9	18.5	-	16.1	15.0	-	13.0	10.8	152	
160	26.8	24.9	22.2		21.6	18.5		18.8	18.4	-	15.9	15.0	-	12.9	10.8	160	
168	26.5	24.9	21.8		21.6	18.5	16.5	18.7	18.2	-	15.8	15.0	-	12.7	10.8	168	
176	-	24.5	21.2		21.6	18.5	16.5	18.5	18.1	-	15.7	15.0	-	12.4	10.8	176	
184	-	24.1	20.6		21.6	18.5	16.5	18.4	18.0	16.2	15.5	14.9	-	12.2	10.8	184	
192	-	-	19.9		-	18.5	16.5	18.3	17.8	15.8	15.4	14.8	12.8	12.1	10.8	192	
200	-	-	18.9		-	18.5	16.4	18.3	17.7	15.2	15.3	14.8	12.8	11.8	10.8	200	
208	-	-	-		-	18.5	16.0	-	17.5	14.8	15.2	14.8	12.8	11.6	10.8	9.0	208
216	-	-	-		-	-	15.7	-	17.2	14.4	15.2	14.8	12.8	11.5	10.8	9.0	216
224	-	-	-		-	-		-	16.9	13.7	-	14.8	12.8	11.2	10.8	9.0	224
232	-	-	-		-	-		-	-	13.0	-	14.8	12.6	10.9	10.8	9.0	232
240	-	-	-		-	-		-	-	12.2	-	14.8	11.9	10.7	10.6	9.0	240
248	-	-	-		-	-		-	-	-	-	14.4	11.3	-	10.6	9.0	248
256	-	-	-		-	-		-	-	-	-	-	10.6	-	10.6	8.8	256
264	-	-	-		-	-		-	-	-	-	-	-	-	-	8.7	264
272	-	-	-		-	-		-	-	-	-	-	-	-	-	8.2	272
280	-	-	-		-	-		-	-	-	-	-	-	-	-	7.8	280

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

 28.5 ft x 27.9 ft										360°						85%	
 133.5 ft +  13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
56		65.7	-	-	-	-	-	48.1	-	-	-	-	-	-	-	-	56
64		64.8	-	-	60.7	-	-	48.1	-	-	37.7	-	-	-	-	-	64
72		64.0	-	-	60.2	-	-	47.6	-	-	37.7	-	-	29.3	-	-	72
80		60.8	-	-	58.6	-	-	47.3	-	-	37.7	-	-	29.3	-	-	80
88		57.7	50.7	-	56.5	-	-	46.8	-	-	37.6	-	-	29.3	-	-	88
96		-	47.6	-	-	-	-	46.2	-	-	37.5	-	-	29.3	-	-	96
104		-	45.1	-	-	44.0	-	45.1	40.6	-	37.3	-	-	29.3	-	-	104
112		-	-	-	-	41.6	-	43.8	38.7	-	37.0	32.8	-	29.3	24.9	-	112
120		-	-	-	-	-	-	-	36.9	-	36.5	32.6	-	29.3	24.9	-	120
128		-	-	-	-	-	-	-	35.0	-	35.6	32.0	-	29.3	24.9	-	128
136		-	-	-	-	-	-	-	33.8	29.0	-	30.9	-	29.1	24.9	-	136
144		-	-	-	-	-	-	-	-	27.7	-	29.9	26.0	29.0	24.9	-	144
152		-	-	-	-	-	-	-	-	26.5	-	29.0	24.7	-	24.9	22.4	152
160		-	-	-	-	-	-	-	-	-	-	-	23.5	-	24.8	21.6	160
168		-	-	-	-	-	-	-	-	-	-	-	22.6	-	24.4	20.7	168
176		-	-	-	-	-	-	-	-	-	-	-	-	-	23.7	19.8	176
184		-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.0	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3	192

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
80		22.3	-	-	19.8	-	-	-	-	-	-	-	-	-	-	-	80
88		22.3	-	-	19.8	-	-	18.0	-	-	14.6	-	-	-	-	-	88
96		22.3	-	-	19.8	-	-	17.9	-	-	14.6	-	-	10.6	-	-	96
104		22.3	-	-	19.8	-	-	17.7	-	-	14.6	-	-	10.6	-	-	104
112		22.3	-	-	19.8	-	-	17.4	-	-	14.6	-	-	10.6	-	-	112
120		22.3	-	-	19.8	-	-	17.1	-	-	14.4	-	-	10.6	-	-	120
128		22.3	18.5	-	19.8	-	-	16.9	-	-	14.3	-	-	10.6	-	-	128
136		22.3	18.5	-	19.8	16.1	-	16.6	-	-	14.1	-	-	10.6	-	-	136
144		22.3	18.5	-	19.7	16.1	-	16.4	-	-	14.0	-	-	10.6	-	-	144
152		22.3	18.5	-	19.6	16.1	-	16.3	14.3	-	13.9	11.0	-	10.6	-	-	152
160		22.3	18.5	-	19.5	16.1	-	16.2	14.3	-	13.6	11.0	-	10.6	7.5	-	160
168		22.3	18.5	16.5	19.3	16.1	-	16.0	14.3	-	13.4	11.0	-	10.6	7.5	-	168
176		-	18.5	16.5	19.2	16.1	-	15.9	14.3	-	13.4	11.0	-	10.6	7.5	-	176
184		-	18.5	16.5	19.2	16.1	13.8	15.8	14.3	-	13.3	11.0	-	10.5	7.5	-	184
192		-	18.5	16.4	-	16.1	13.6	15.7	14.3	11.9	13.2	11.0	-	10.3	7.5	-	192
200		-	-	15.9	-	16.1	13.5	15.7	14.3	11.7	13.0	11.0	9.3	10.2	7.5	-	200
208		-	-	15.3	-	16.1	13.2	15.7	14.3	11.5	13.0	11.0	9.3	10.1	7.5	-	208
216		-	-	-	-	16.1	12.8	-	14.1	11.3	13.0	11.0	9.3	10.1	7.5	5.7	216
224		-	-	-	-	-	12.4	-	13.9	10.9	13.0	11.0	9.3	10.1	7.5	5.7	224
232		-	-	-	-	-	12.0	-	13.7	10.5	-	11.0	9.2	10.1	7.5	5.7	232
240		-	-	-	-	-	-	-	-	10.2	-	11.0	9.1	10.1	7.5	5.7	240
248		-	-	-	-	-	-	-	-	9.9	-	11.0	8.9	10.1	7.5	5.7	248
256		-	-	-	-	-	-	-	-	-	-	-	8.6	-	7.5	5.7	256
264		-	-	-	-	-	-	-	-	-	-	-	8.5	-	7.5	5.7	264
272		-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	5.7	272
280		-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	280
288		-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	288

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

28.5 ft x 27.9 ft										360°						85%	
148.3 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
56		53.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
64		53.2	-	-	48.1	-	-	38.6	-	-	-	-	-	-	-	-	64
72		52.3	-	-	47.8	-	-	38.6	-	-	30.0	-	-	22.9	-	-	72
80		50.6	-	-	47.3	-	-	38.6	-	-	30.0	-	-	22.9	-	-	80
88		48.8	-	-	46.4	-	-	38.5	-	-	30.0	-	-	22.9	-	-	88
96		-	40.5	-	-	-	-	38.2	-	-	30.0	-	-	22.9	-	-	96
104		-	38.3	-	-	-	-	37.8	-	-	30.0	-	-	22.9	-	-	104
112		-	36.3	-	-	36.3	-	37.2	32.8	-	30.0	25.6	-	22.9	-	-	112
120		-	-	-	-	34.7	-	-	31.6	-	30.0	25.6	-	22.9	19.0	-	120
128		-	-	-	-	-	-	-	30.3	-	29.9	25.5	-	22.9	19.0	-	128
136		-	-	-	-	-	-	-	29.0	-	-	25.3	-	22.9	19.0	-	136
144		-	-	-	-	-	-	-	-	24.4	-	24.8	-	22.9	19.0	-	144
152		-	-	-	-	-	-	-	-	23.0	-	24.4	21.5	22.9	19.0	-	152
160		-	-	-	-	-	-	-	-	22.1	-	23.7	20.4	-	19.0	-	160
168		-	-	-	-	-	-	-	-	-	-	-	19.5	-	19.0	16.6	168
176		-	-	-	-	-	-	-	-	-	-	-	18.8	-	19.0	16.4	176
184		-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.9	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5	192
200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.0	200

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
80		20.5	-	-	18.5	-	-	-	-	-	-	-	-	-	-	-	80
88		20.5	-	-	18.4	-	-	14.3	-	-	-	-	-	-	-	-	88
96		20.5	-	-	18.3	-	-	14.3	-	-	11.2	-	-	-	-	-	96
104		20.5	-	-	18.2	-	-	14.3	-	-	11.2	-	-	7.7	-	-	104
112		20.5	-	-	18.1	-	-	14.3	-	-	11.2	-	-	7.7	-	-	112
120		20.5	-	-	17.8	-	-	14.3	-	-	11.2	-	-	7.7	-	-	120
128		20.5	-	-	17.6	-	-	14.3	-	-	11.2	-	-	7.7	-	-	128
136		20.5	16.5	-	17.3	-	-	14.1	-	-	11.2	-	-	7.7	-	-	136
144		20.4	16.5	-	17.0	14.3	-	14.0	-	-	11.2	-	-	7.7	-	-	144
152		20.3	16.5	-	16.7	14.3	-	13.9	10.6	-	11.2	-	-	7.7	-	-	152
160		20.3	16.5	-	16.6	14.3	-	13.7	10.6	-	11.2	7.9	-	7.7	-	-	160
168		20.1	16.5	-	16.4	14.3	-	13.6	10.6	-	11.2	7.9	-	7.7	4.9	-	168
176		-	16.5	14.2	16.1	14.1	-	13.5	10.6	-	11.2	7.9	-	7.7	4.9	-	176
184		-	16.4	13.8	16.1	14.1	12.1	13.3	10.6	-	11.2	7.9	-	7.7	4.9	-	184
192		-	16.2	13.4	16.1	13.9	11.7	13.2	10.6	-	11.2	7.9	-	7.7	4.9	-	192
200		-	15.9	13.0	-	13.7	11.3	13.1	10.6	8.6	11.1	7.9	-	7.7	4.9	-	200
208		-	-	12.8	-	13.4	10.8	13.0	10.6	8.5	11.0	7.9	-	7.7	4.9	-	208
216		-	-	12.4	-	13.0	10.4	-	10.6	8.4	11.0	7.9	6.2	7.7	4.9	-	216
224		-	-	-	-	-	10.0	-	10.5	8.3	11.0	7.9	6.2	7.7	4.9	-	224
232		-	-	-	-	-	9.6	-	10.4	8.1	11.0	7.9	6.2	7.7	4.9	-	232
240		-	-	-	-	-	-	-	-	7.9	-	7.9	6.2	7.7	4.9	-	240
248		-	-	-	-	-	-	-	-	7.5	-	7.9	6.2	7.7	4.9	-	248
256		-	-	-	-	-	-	-	-	7.3	-	7.9	6.2	-	4.9	-	256
264		-	-	-	-	-	-	-	-	-	-	-	6.1	-	4.9	-	264
272		-	-	-	-	-	-	-	-	-	-	-	6.0	-	4.9	-	272

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

28.5 ft x 27.9 ft										360°						85%	
163.1 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
64		39.5	-	-	-	-	-	28.9	-	-	-	-	-	-	-	-	64
72		39.5	-	-	36.6	-	-	28.9	-	-	22.0	-	-	-	-	-	72
80		39.4	-	-	36.6	-	-	28.9	-	-	22.0	-	-	19.6	-	-	80
88		38.8	-	-	36.6	-	-	28.9	-	-	22.0	-	-	19.6	-	-	88
96		-	-	-	36.6	-	-	28.9	-	-	22.0	-	-	19.6	-	-	96
104		-	31.9	-	-	-	-	28.9	-	-	22.0	-	-	19.6	-	-	104
112		-	30.1	-	-	30.1	-	28.9	24.7	-	22.0	-	-	19.6	-	-	112
120		-	-	-	-	28.6	-	-	24.7	-	22.0	18.3	-	19.6	-	-	120
128		-	-	-	-	-	-	-	24.4	-	22.0	18.3	-	19.6	-	-	128
136		-	-	-	-	-	-	-	23.5	-	22.0	18.3	-	19.6	15.9	-	136
144		-	-	-	-	-	-	-	22.7	-	-	18.3	-	19.6	15.9	-	144
152		-	-	-	-	-	-	-	-	19.1	-	18.3	-	19.6	15.8	-	152
160		-	-	-	-	-	-	-	-	18.3	-	18.2	15.9	-	15.7	-	160
168		-	-	-	-	-	-	-	-	-	-	-	15.5	-	15.7	-	168
176		-	-	-	-	-	-	-	-	-	-	-	15.1	-	15.5	13.1	176
184		-	-	-	-	-	-	-	-	-	-	-	14.5	-	-	12.5	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.0	192
200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	200

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
80		17.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80
88		17.9	-	-	13.4	-	-	-	-	-	-	-	-	-	-	-	88
96		17.9	-	-	13.4	-	-	9.9	-	-	-	-	-	-	-	-	96
104		17.8	-	-	13.4	-	-	9.9	-	-	7.5	-	-	4.4	-	-	104
112		17.6	-	-	13.4	-	-	9.9	-	-	7.5	-	-	4.4	-	-	112
120		17.6	-	-	13.4	-	-	9.9	-	-	7.5	-	-	4.4	-	-	120
128		17.4	-	-	13.4	-	-	9.9	-	-	7.5	-	-	4.4	-	-	128
136		17.2	-	-	13.4	-	-	9.9	-	-	7.5	-	-	4.4	-	-	136
144		17.0	13.9	-	13.4	-	-	9.9	-	-	7.5	-	-	4.4	-	-	144
152		16.7	13.9	-	13.2	9.7	-	9.9	-	-	7.5	-	-	4.4	-	-	152
160		16.5	13.7	-	13.1	9.7	-	9.9	6.6	-	7.5	-	-	4.4	-	-	160
168		16.2	13.5	-	12.9	9.7	-	9.9	6.6	-	7.5	4.4	-	4.4	-	-	168
176		16.1	13.3	-	12.8	9.7	-	9.9	6.6	-	7.5	4.4	-	4.4	-	-	176
184		-	13.0	11.0	12.8	9.7	-	9.9	6.6	-	7.5	4.4	-	4.4	-	-	184
192		-	12.5	10.5	12.7	9.7	-	9.9	6.6	-	7.5	4.4	-	4.4	-	-	192
200		-	12.2	9.9	-	9.7	7.6	9.9	6.6	-	7.5	4.4	-	4.4	-	-	200
208		-	-	9.5	-	9.6	7.3	9.9	6.6	4.9	7.5	4.4	-	4.4	-	-	208
216		-	-	9.1	-	9.5	7.1	9.9	6.6	4.9	7.5	4.4	-	4.4	-	-	216
224		-	-	8.7	-	-	7.0	-	6.6	4.9	7.5	4.4	-	4.4	-	-	224
232		-	-	-	-	-	6.8	-	6.6	4.9	7.5	4.4	-	4.4	-	-	232
240		-	-	-	-	-	6.5	-	6.6	4.9	-	4.4	-	4.4	-	-	240
248		-	-	-	-	-	-	-	-	4.7	-	4.4	-	4.4	-	-	248
256		-	-	-	-	-	-	-	-	4.4	-	4.4	-	-	-	-	256

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

28.5 ft x 27.9 ft 360° 85%																
177.8 ft + 13.1 ft																
	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb															ft
64	28.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72	28.9	-	-	26.9	-	-	20.5	-	-	-	-	-	-	-	-	72
80	28.9	-	-	26.9	-	-	20.5	-	-	14.8	-	-	16.5	-	-	80
88	28.9	-	-	26.9	-	-	20.5	-	-	14.8	-	-	16.3	-	-	88
96	-	-	-	26.9	-	-	20.5	-	-	14.8	-	-	16.2	-	-	96
104	-	-	-	-	-	-	20.5	-	-	14.8	-	-	15.8	-	-	104
112	-	24.6	-	-	-	-	20.5	-	-	14.8	-	-	15.4	-	-	112
120	-	23.8	-	-	23.1	-	20.5	17.0	-	14.8	-	-	15.2	-	-	120
128	-	-	-	-	22.7	-	-	17.0	-	14.8	11.7	-	14.9	-	-	128
136	-	-	-	-	-	-	-	17.0	-	14.8	11.7	-	14.6	-	-	136
144	-	-	-	-	-	-	-	17.0	-	-	11.7	-	14.3	12.8	-	144
152	-	-	-	-	-	-	-	-	-	-	11.7	-	14.1	12.8	-	152
160	-	-	-	-	-	-	-	-	14.6	-	11.7	-	13.9	12.6	-	160
168	-	-	-	-	-	-	-	-	14.1	-	11.7	10.1	-	12.4	-	168
176	-	-	-	-	-	-	-	-	-	-	-	10.1	-	12.2	-	176
184	-	-	-	-	-	-	-	-	-	-	-	10.1	-	11.9	9.7	184
192	-	-	-	-	-	-	-	-	-	-	-	10.1	-	-	9.2	192
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.4	208

	157.5 ft			177.2 ft			196.9 ft**			216.5 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb												ft
88	12.1	-	-	8.4	-	-	-	-	-	-	-	-	88
96	12.1	-	-	8.4	-	-	5.5	-	-	3.5	-	-	96
104	12.1	-	-	8.4	-	-	5.5	-	-	3.5	-	-	104
112	12.1	-	-	8.4	-	-	5.5	-	-	3.5	-	-	112
120	12.0	-	-	8.4	-	-	5.5	-	-	3.5	-	-	120
128	11.8	-	-	8.4	-	-	5.5	-	-	3.5	-	-	128
136	11.7	-	-	8.4	-	-	5.5	-	-	3.5	-	-	136
144	11.6	-	-	8.4	-	-	5.5	-	-	3.5	-	-	144
152	11.4	8.8	-	8.4	5.3	-	5.5	-	-	3.5	-	-	152
160	11.2	8.8	-	8.4	5.3	-	5.5	-	-	3.5	-	-	160
168	11.0	8.8	-	8.3	5.3	-	5.5	-	-	3.5	-	-	168
176	10.8	8.8	-	8.2	5.3	-	5.5	-	-	3.5	-	-	176
184	-	8.8	-	8.1	5.3	-	5.5	-	-	3.5	-	-	184
192	-	8.8	7.0	7.9	5.3	-	5.5	-	-	3.5	-	-	192
200	-	8.8	6.7	7.9	5.3	-	5.5	-	-	3.5	-	-	200
208	-	8.7	6.5	-	5.3	3.7	5.5	-	-	3.5	-	-	208
216	-	-	6.4	-	5.3	3.7	5.5	-	-	3.5	-	-	216
224	-	-	6.1	-	5.3	3.7	-	-	-	3.5	-	-	224
232	-	-	5.8	-	-	3.7	-	-	-	3.5	-	-	232
240	-	-	-	-	-	3.6	-	-	-	-	-	-	240
248	-	-	-	-	-	3.5	-	-	-	-	-	-	248

* SWIHI ** WIHI-A

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

28.5 ft x 27.9 ft 360° 85%																
192.6 ft + 13.1 ft																
	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb															ft
72	20.3	-	-	-	-	-	13.7	-	-	-	-	-	-	-	-	72
80	20.3	-	-	19.0	-	-	13.7	-	-	12.3	-	-	11.2	-	-	80
88	20.3	-	-	19.0	-	-	13.7	-	-	12.3	-	-	11.2	-	-	88
96	-	-	-	19.0	-	-	13.7	-	-	12.3	-	-	11.2	-	-	96
104	-	-	-	-	-	-	13.7	-	-	12.3	-	-	11.1	-	-	104
112	-	17.0	-	-	-	-	13.7	-	-	12.3	-	-	11.0	-	-	112
120	-	17.0	-	-	15.9	-	13.7	-	-	12.3	-	-	10.9	-	-	120
128	-	-	-	-	15.9	-	-	10.6	-	12.3	-	-	10.7	-	-	128
136	-	-	-	-	-	-	-	10.6	-	12.3	9.3	-	10.4	-	-	136
144	-	-	-	-	-	-	-	10.6	-	-	9.3	-	10.3	-	-	144
152	-	-	-	-	-	-	-	10.6	-	-	9.3	-	10.1	7.9	-	152
160	-	-	-	-	-	-	-	-	-	-	9.3	-	9.9	7.9	-	160
168	-	-	-	-	-	-	-	-	9.0	-	9.3	-	-	7.9	-	168
176	-	-	-	-	-	-	-	-	9.0	-	-	-	-	7.9	-	176
184	-	-	-	-	-	-	-	-	-	-	-	7.7	-	7.9	-	184
192	-	-	-	-	-	-	-	-	-	-	-	7.7	-	7.9	6.1	192
200	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	5.8	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	216

	157.5 ft			177.2 ft			
	82°	73°	65°	82°	73°	65°	
ft	1,000 lb						ft
88	7.5	-	-	-	-	-	88
96	7.5	-	-	4.4	-	-	96
104	7.5	-	-	4.4	-	-	104
112	7.5	-	-	4.4	-	-	112
120	7.5	-	-	4.4	-	-	120
128	7.5	-	-	4.4	-	-	128
136	7.5	-	-	4.4	-	-	136
144	7.5	-	-	4.4	-	-	144
152	7.5	4.6	-	4.4	-	-	152
160	7.3	4.6	-	4.4	-	-	160
168	7.3	4.6	-	4.4	-	-	168
176	7.3	4.6	-	4.4	-	-	176
184	-	4.6	-	4.4	-	-	184
192	-	4.6	-	4.4	-	-	192
200	-	4.6	-	4.4	-	-	200
208	-	4.6	-	-	-	-	208

* SWIHI

98,800 lb 119,700 lb 165,600 lb 211,400 lb 257,300 lb

28.5 ft x 27.9 ft										360°						85%	
148.3 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
48		53.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
56		51.2	-	-	48.2	-	-	40.5	-	-	-	-	-	-	-	-	56
64		49.2	-	-	46.6	-	-	39.5	-	-	32.5	-	-	-	-	-	64
72		47.0	-	-	45.0	-	-	38.4	-	-	32.2	-	-	25.4	-	-	72
80		45.2	-	-	43.1	-	-	37.3	-	-	31.4	-	-	25.3	-	-	80
88		43.5	42.0	-	41.4	-	-	36.1	-	-	30.6	-	-	25.0	-	-	88
96		-	40.6	-	-	39.4	-	34.8	-	-	29.8	-	-	24.6	-	-	96
104		-	39.3	-	-	38.2	-	33.7	33.1	-	29.0	-	-	24.2	-	-	104
112		-	-	-	-	37.0	-	-	31.9	-	28.2	27.3	-	23.8	21.2	-	112
120		-	-	36.3	-	-	-	-	31.0	-	27.4	26.8	-	23.2	21.2	-	120
128		-	-	34.7	-	-	34.1	-	30.1	-	26.6	26.1	-	22.8	21.1	-	128
136		-	-	-	-	-	32.9	-	29.4	28.6	-	25.3	-	22.4	21.0	-	136
144		-	-	-	-	-	-	-	-	27.8	-	24.6	24.0	21.8	20.7	-	144
152		-	-	-	-	-	-	-	-	27.0	-	23.9	23.3	-	20.4	18.7	152
160		-	-	-	-	-	-	-	-	-	-	-	22.7	-	20.0	18.6	160
168		-	-	-	-	-	-	-	-	-	-	-	22.0	-	19.6	18.5	168
176		-	-	-	-	-	-	-	-	-	-	-	21.5	-	19.0	18.3	176
184		-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.0	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.6	192

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
80		22.2	-	-	18.4	-	-	-	-	-	-	-	-	-	-	-	80
88		21.7	-	-	18.0	-	-	15.1	-	-	-	-	-	-	-	-	88
96		21.3	-	-	17.6	-	-	14.7	-	-	12.4	-	-	9.0	-	-	96
104		20.9	-	-	17.1	-	-	14.4	-	-	12.2	-	-	9.0	-	-	104
112		20.5	-	-	16.7	-	-	14.1	-	-	11.9	-	-	9.0	-	-	112
120		19.9	-	-	16.5	-	-	13.8	-	-	11.8	-	-	9.0	-	-	120
128		19.5	18.2	-	16.2	-	-	13.6	-	-	11.6	-	-	9.0	-	-	128
136		19.1	17.9	-	15.8	15.1	-	13.3	-	-	11.3	-	-	8.8	-	-	136
144		18.6	17.6	-	15.4	14.7	-	13.1	-	-	11.0	-	-	8.6	-	-	144
152		18.2	17.4	-	15.2	14.3	-	13.0	11.7	-	10.8	9.0	-	8.4	-	-	152
160		17.8	17.1	-	14.9	14.0	-	12.7	11.5	-	10.7	9.0	-	8.3	6.0	-	160
168		17.4	16.7	15.5	14.6	13.8	-	12.6	11.3	-	10.4	9.0	-	8.1	6.0	-	168
176		-	16.4	15.3	14.2	13.5	-	12.2	11.2	-	10.2	9.0	-	8.0	6.0	-	176
184		-	16.0	15.0	13.9	13.2	12.4	11.9	11.0	9.7	10.0	9.0	-	7.8	6.0	-	184
192		-	15.5	14.7	-	12.9	12.1	11.7	10.7	9.7	9.9	9.0	-	7.7	6.0	-	192
200		-	-	14.4	-	12.7	11.8	11.1	10.6	9.5	9.8	8.8	7.3	7.6	6.0	-	200
208		-	-	14.2	-	12.4	11.5	11.0	10.4	9.4	9.6	8.7	7.3	7.4	6.0	-	208
216		-	-	13.9	-	12.1	11.3	-	10.2	9.3	9.5	8.6	7.3	7.3	6.0	4.2	216
224		-	-	-	-	-	11.1	-	9.8	9.2	9.4	8.5	7.3	7.3	6.0	4.2	224
232		-	-	-	-	-	10.9	-	9.6	9.0	-	8.3	7.3	7.3	6.0	4.2	232
240		-	-	-	-	-	-	-	-	8.9	-	8.2	7.3	7.3	6.0	4.2	240
248		-	-	-	-	-	-	-	-	8.6	-	8.0	7.1	6.8	5.8	4.2	248
256		-	-	-	-	-	-	-	-	-	-	-	7.1	-	5.7	4.2	256
264		-	-	-	-	-	-	-	-	-	-	-	6.9	-	5.7	4.2	264
272		-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	4.2	272
280		-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	280
288		-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	288

* SWIHI-SL ** WIHI-A-SL

119,700 lb 165,600 lb 211,400 lb 257,300 lb

28.5 ft x 27.9 ft										360°						85%	
163.1 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
56		40.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
64		38.8	-	-	37.5	-	-	30.8	-	-	-	-	-	-	-	-	64
72		37.7	-	-	36.4	-	-	30.2	-	-	24.3	-	-	21.4	-	-	72
80		36.9	-	-	35.4	-	-	29.4	-	-	24.0	-	-	21.1	-	-	80
88		35.6	-	-	34.5	-	-	28.7	-	-	23.6	-	-	20.5	-	-	88
96		-	33.8	-	33.4	-	-	28.2	-	-	23.1	-	-	20.0	-	-	96
104		-	32.8	-	-	32.0	-	27.6	26.0	-	22.6	-	-	19.6	-	-	104
112		-	31.7	-	-	31.0	-	27.1	25.8	-	22.2	19.8	-	19.1	-	-	112
120		-	-	-	-	29.9	-	-	25.4	-	21.8	19.8	-	18.7	17.0	-	120
128		-	-	29.1	-	-	-	-	24.9	-	21.5	19.8	-	18.4	17.0	-	128
136		-	-	28.0	-	-	27.6	-	24.2	-	21.2	19.7	-	17.9	17.0	-	136
144		-	-	-	-	-	26.8	-	23.6	22.7	-	19.4	-	17.5	16.7	-	144
152		-	-	-	-	-	-	-	-	22.2	-	19.1	17.2	-	16.3	-	152
160		-	-	-	-	-	-	-	-	21.7	-	18.9	17.2	-	16.0	14.6	160
168		-	-	-	-	-	-	-	-	-	-	-	17.1	-	15.7	14.5	168
176		-	-	-	-	-	-	-	-	-	-	-	17.0	-	15.3	14.3	176
184		-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.3	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8	192
200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.6	200

		157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
80		17.8	-	-	14.5	-	-	-	-	-	-	-	-	-	-	-	80
88		17.2	-	-	14.1	-	-	11.0	-	-	-	-	-	-	-	-	88
96		16.8	-	-	13.8	-	-	11.0	-	-	8.6	-	-	-	-	-	96
104		16.4	-	-	13.4	-	-	10.9	-	-	8.6	-	-	5.5	-	-	104
112		15.9	-	-	13.0	-	-	10.8	-	-	8.6	-	-	5.5	-	-	112
120		15.5	-	-	12.7	-	-	10.5	-	-	8.5	-	-	5.5	-	-	120
128		15.1	-	-	12.4	-	-	10.2	-	-	8.3	-	-	5.5	-	-	128
136		14.8	14.0	-	12.0	-	-	10.0	-	-	8.2	-	-	5.5	-	-	136
144		14.6	13.7	-	11.7	10.6	-	9.8	-	-	8.1	-	-	5.5	-	-	144
152		14.3	13.4	-	11.4	10.6	-	9.7	7.5	-	7.9	-	-	5.5	-	-	152
160		14.0	13.1	-	11.3	10.4	-	9.5	7.5	-	7.9	5.3	-	5.5	-	-	160
168		13.8	12.9	-	11.1	10.2	-	9.3	7.5	-	7.6	5.3	-	5.4	-	-	168
176		-	12.6	11.9	10.8	10.0	-	9.1	7.5	-	7.5	5.3	-	5.3	-	-	176
184		-	12.3	11.7	10.8	9.7	8.4	8.9	7.4	-	7.3	5.3	-	5.2	-	-	184
192		-	12.1	11.4	-	9.5	8.4	8.8	7.3	-	7.0	5.3	-	5.1	-	-	192
200		-	12.0	11.1	-	9.3	8.4	8.7	7.3	5.5	6.9	5.3	-	5.1	-	-	200
208		-	-	10.9	-	9.2	8.3	8.2	7.2	5.5	6.8	5.3	3.5	5.0	-	-	208
216		-	-	10.6	-	9.0	8.2	-	7.1	5.5	6.8	5.3	3.5	4.9	-	-	216
224		-	-	-	-	-	8.1	-	7.1	5.5	6.7	5.3	3.5	4.7	-	-	224
232		-	-	-	-	-	7.9	-	6.8	5.5	-	5.3	3.5	4.6	-	-	232
240		-	-	-	-	-	7.8	-	-	5.5	-	5.3	3.5	4.6	-	-	240
248		-	-	-	-	-	-	-	-	5.5	-	5.3	3.5	4.6	-	-	248
256		-	-	-	-	-	-	-	-	5.5	-	-	3.5	-	-	-	256
264		-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	264
272		-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	272
280		-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	280

* SWIHI-SL ** WIHI-A-SL

119,700 lb 165,600 lb 211,400 lb 257,300 lb

28.5 ft x 27.9 ft 360° 85%																
177.8 ft + 13.1 ft																
	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb															ft
56	29.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
64	28.0	-	-	27.1	-	-	21.9	-	-	-	-	-	-	-	-	64
72	26.9	-	-	26.3	-	-	21.4	-	-	-	-	-	-	-	-	72
80	26.1	-	-	25.4	-	-	20.8	-	-	16.5	-	-	15.1	-	-	80
88	25.4	-	-	24.7	-	-	20.1	-	-	16.0	-	-	14.6	-	-	88
96	-	-	-	24.2	-	-	19.6	-	-	15.7	-	-	14.1	-	-	96
104	-	22.9	-	-	-	-	19.1	-	-	15.4	-	-	13.6	-	-	104
112	-	22.2	-	-	21.6	-	18.7	17.4	-	15.0	-	-	13.2	-	-	112
120	-	21.7	-	-	21.2	-	-	16.9	-	14.5	12.6	-	12.8	-	-	120
128	-	-	-	-	20.7	-	-	16.6	-	14.2	12.5	-	12.4	11.5	-	128
136	-	-	19.7	-	-	-	-	16.2	-	13.9	12.4	-	12.0	11.1	-	136
144	-	-	19.2	-	-	18.9	-	15.9	-	-	12.2	-	11.8	10.7	-	144
152	-	-	-	-	-	18.4	-	-	14.5	-	12.1	-	11.6	10.3	-	152
160	-	-	-	-	-	-	-	-	14.2	-	11.9	10.4	-	10.1	-	160
168	-	-	-	-	-	-	-	-	14.0	-	11.8	10.4	-	9.9	9.1	168
176	-	-	-	-	-	-	-	-	-	-	-	10.4	-	9.7	8.9	176
184	-	-	-	-	-	-	-	-	-	-	-	10.2	-	-	8.6	184
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	192
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	208

	157.5 ft			177.2 ft			196.9 ft**			216.5 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb												ft
80	12.5	-	-	-	-	-	-	-	-	-	-	-	80
88	11.9	-	-	9.2	-	-	-	-	-	-	-	-	88
96	11.4	-	-	8.9	-	-	6.4	-	-	-	-	-	96
104	11.0	-	-	8.6	-	-	6.4	-	-	4.4	-	-	104
112	10.6	-	-	8.4	-	-	6.4	-	-	4.4	-	-	112
120	10.3	-	-	8.0	-	-	6.1	-	-	4.4	-	-	120
128	10.0	-	-	7.6	-	-	5.9	-	-	4.4	-	-	128
136	9.8	8.7	-	7.3	-	-	5.8	-	-	4.2	-	-	136
144	9.4	8.4	-	7.1	-	-	5.6	-	-	4.1	-	-	144
152	9.0	8.1	-	6.8	5.7	-	5.5	-	-	4.0	-	-	152
160	9.0	7.9	-	6.7	5.6	-	5.4	-	-	4.0	-	-	160
168	8.8	7.6	-	6.5	5.4	-	5.2	-	-	3.9	-	-	168
176	8.6	7.3	-	6.4	5.3	-	5.1	-	-	3.8	-	-	176
184	-	7.2	6.4	6.3	5.1	-	4.7	-	-	3.5	-	-	184
192	-	7.0	6.1	6.1	4.9	3.9	4.6	-	-	3.3	-	-	192
200	-	6.9	6.0	-	4.7	3.7	4.5	-	-	-	-	-	200
208	-	-	5.9	-	4.6	3.7	4.1	-	-	-	-	-	208
216	-	-	5.7	-	4.6	3.5	4.0	-	-	-	-	-	216
224	-	-	5.6	-	-	3.5	-	-	-	-	-	-	224
232	-	-	-	-	-	3.5	-	-	-	-	-	-	232
240	-	-	-	-	-	3.4	-	-	-	-	-	-	240

* SWIHI-SL ** WIHI-A-SL

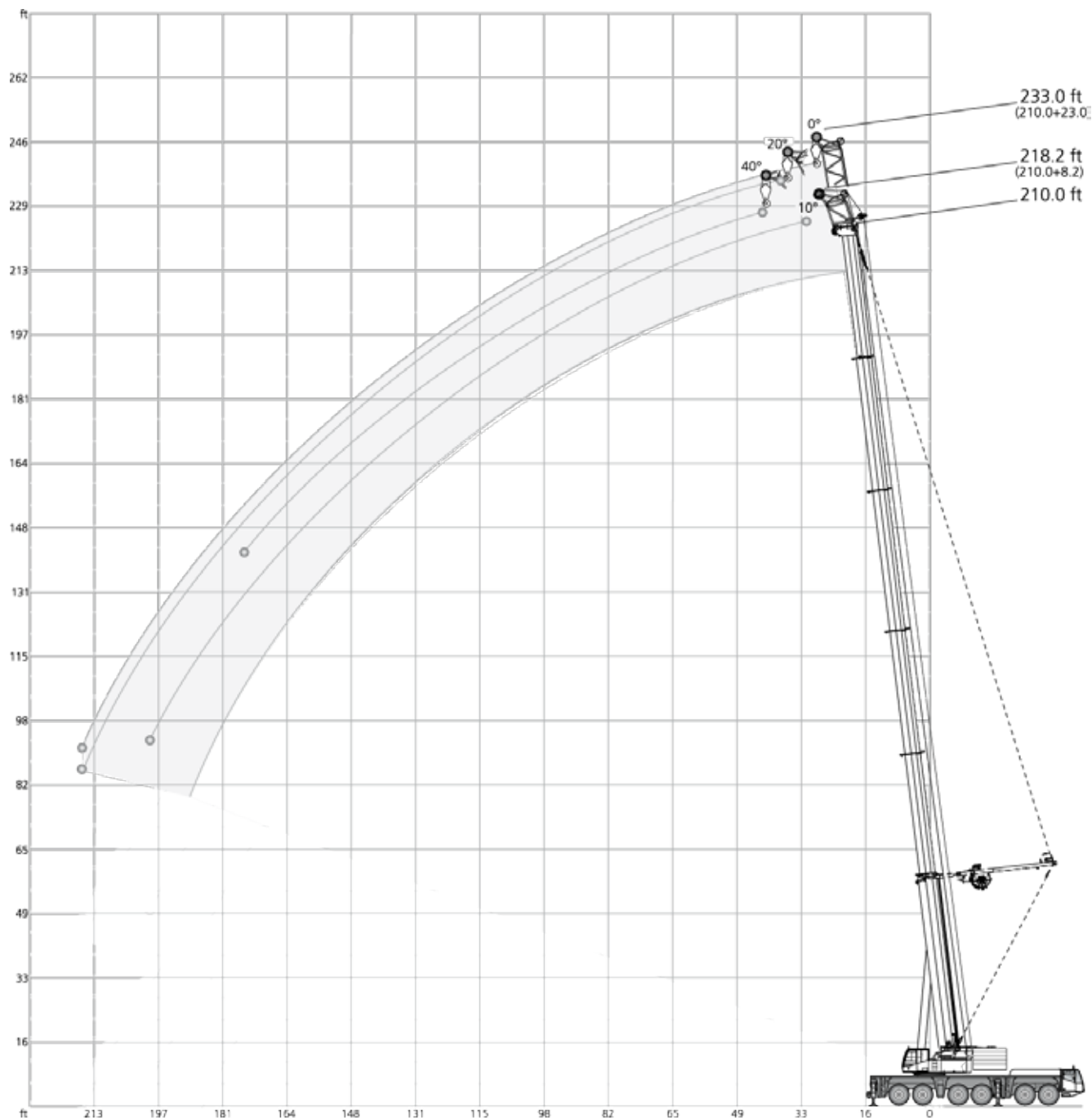
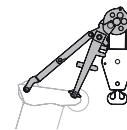
119,700 lb 165,600 lb 211,400 lb 257,300 lb

28.5 ft x 27.9 ft 360° 85%																
192.6 ft + 13.1 ft																
	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb															ft
64	20.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72	20.1	-	-	19.6	-	-	14.8	-	-	13.2	-	-	-	-	-	72
80	19.3	-	-	18.9	-	-	14.7	-	-	13.0	-	-	10.7	-	-	80
88	18.7	-	-	18.3	-	-	14.5	-	-	12.7	-	-	10.2	-	-	88
96	-	-	-	17.8	-	-	14.2	-	-	12.3	-	-	9.8	-	-	96
104	-	16.5	-	-	-	-	13.8	-	-	11.8	-	-	9.4	-	-	104
112	-	15.8	-	-	15.6	-	13.4	11.0	-	11.5	-	-	9.0	-	-	112
120	-	15.3	-	-	15.2	-	13.1	11.0	-	11.3	9.5	-	8.8	-	-	120
128	-	-	-	-	14.8	-	-	11.0	-	10.9	9.4	-	8.5	-	-	128
136	-	-	-	-	-	-	-	10.8	-	10.6	9.3	-	8.2	7.3	-	136
144	-	-	13.3	-	-	-	-	10.7	-	-	9.1	-	7.9	7.0	-	144
152	-	-	12.7	-	-	12.7	-	-	8.8	-	8.8	-	7.7	6.6	-	152
160	-	-	-	-	-	12.4	-	-	8.8	-	8.7	-	-	6.5	-	160
168	-	-	-	-	-	-	-	-	8.8	-	8.5	7.1	-	6.3	-	168
176	-	-	-	-	-	-	-	-	8.6	-	-	7.1	-	6.0	-	176
184	-	-	-	-	-	-	-	-	-	-	-	6.9	-	5.8	5.1	184
192	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	4.8	192
200	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	4.7	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	216

	157.5 ft			177.2 ft			
	82°	73°	65°	82°	73°	65°	
ft	1,000 lb						ft
80	8.1	-	-	-	-	-	80
88	7.8	-	-	5.1	-	-	88
96	7.6	-	-	5.1	-	-	96
104	7.3	-	-	5.0	-	-	104
112	7.0	-	-	4.8	-	-	112
120	6.7	-	-	4.7	-	-	120
128	6.3	-	-	4.4	-	-	128
136	6.2	-	-	4.2	-	-	136
144	6.0	4.6	-	4.0	-	-	144
152	5.7	4.6	-	3.7	-	-	152
160	5.6	4.5	-	3.6	-	-	160
168	5.4	4.3	-	3.4	-	-	168
176	5.3	4.0	-	-	-	-	176
184	-	3.9	-	-	-	-	184
192	-	3.7	-	-	-	-	192
200	-	3.7	-	-	-	-	200
208	-	3.6	-	-	-	-	208

* SWIHI-SL

119,700 lb 165,600 lb 211,400 lb 257,300 lb



28.5 ft x 27.9 ft										360°					85%	
		59.7 ft				74.5 ft				89.2 ft						
		8.2 ft		23.0 ft*		8.2 ft		23.0 ft*		8.2 ft		23.0 ft*				
		10°	0°	20°	40°	10°	0°	20°	40°	10°	0°	20°	40°			
ft					1,000 lb					ft						
12	148.6	145.4	-	-	-	-	-	-	-	-	-	-	-	12		
14	148.6	133.3	-	-	148.6	-	-	-	-	-	-	-	-	14		
16	148.6	121.6	-	-	148.6	135.7	-	-	-	-	-	-	-	16		
18	148.2	111.1	-	-	148.6	123.8	-	-	-	148.6	-	-	-	18		
20	147.4	101.3	53.9	-	148.6	112.7	-	-	-	148.6	122.7	-	-	20		
24	143.9	86.9	49.2	-	147.7	97.2	51.6	-	-	148.2	105.9	-	-	24		
28	140.4	75.7	45.4	33.5	144.2	85.2	48.0	34.2	-	146.9	93.1	50.2	-	28		
32	137.1	65.4	42.3	31.9	140.5	76.3	44.7	32.9	-	143.8	83.4	47.1	33.5	32		
36	133.9	59.1	39.4	30.6	137.6	68.0	42.2	31.7	-	140.3	76.1	44.5	32.3	36		
40	131.0	53.6	36.7	29.4	135.0	60.4	39.8	30.5	-	137.0	69.1	42.0	31.4	40		
48	128.0	43.7	33.0	27.6	129.0	51.7	35.8	28.8	-	130.0	57.4	38.1	29.6	48		
56	110.6	37.4	29.8	26.3	115.9	43.8	32.7	27.4	-	115.7	50.2	35.0	28.3	56		
64	-	32.3	27.4	-	98.7	38.2	30.0	26.4	-	100.3	43.1	32.3	27.1	64		
72	-	28.5	26.0	-	79.9	34.0	28.0	25.8	-	86.9	38.7	30.0	26.0	72		
88	-	-	-	-	-	28.0	25.8	-	-	37.5	31.3	26.8	-	88		
104	-	-	-	-	-	-	-	-	-	-	26.9	25.6	-	104		

104.0 ft					133.5 ft					163.1 ft				
ft														ft
									1,000 lb					
20	148.6	126.3	-	-	-	-	-	-	-	-	-	-	-	20
24	148.3	111.5	-	-	-	-	-	-	-	-	-	-	-	24
28	146.7	98.8	51.4	-	-	-	-	-	-	-	-	-	-	28
32	144.4	88.9	48.4	-	140.2	90.2	-	-	-	-	-	-	-	32
36	141.7	81.3	46.0	32.9	133.3	83.6	47.9	-	-	-	-	-	-	36
40	138.9	74.5	43.8	31.8	125.3	77.4	45.8	32.5	96.2	73.4	-	-	-	40
48	131.0	63.2	40.1	30.3	108.1	67.4	42.2	31.0	85.9	65.9	42.4	31.0	-	48
56	115.0	54.6	36.7	29.0	94.6	60.4	39.2	29.7	77.4	59.8	39.7	30.0	-	56
64	98.4	48.6	34.2	27.8	82.7	53.4	36.6	28.7	70.1	54.9	37.3	28.9	-	64
72	85.2	42.5	32.0	26.9	74.2	48.4	34.2	27.6	63.6	50.6	35.3	28.0	-	72
80	77.9	38.5	29.9	26.2	66.2	44.6	32.6	26.8	57.4	46.4	33.7	27.2	-	80
88	69.0	35.2	28.4	25.7	59.1	40.7	31.0	26.3	52.4	43.0	32.0	26.5	-	88
96	58.6	32.0	27.1	25.6	53.6	37.3	29.3	25.7	47.7	40.4	30.7	26.0	-	96
104	41.8	29.8	26.1	19.4	48.8	34.9	28.2	25.5	43.2	37.9	29.6	25.5	-	104
112	-	27.7	17.8	-	44.7	32.7	27.3	25.4	38.8	35.4	28.4	25.1	-	112
120	-	16.7	-	-	40.7	30.6	26.3	25.4	35.8	33.1	27.4	24.8	-	120
128	-	-	-	-	34.6	28.8	25.7	-	32.7	30.9	26.6	24.7	-	128
144	-	-	-	-	-	25.9	25.4	-	27.2	26.8	25.1	24.7	-	144
160	-	-	-	-	-	-	-	-	18.7	23.1	22.6	-	-	160
176	-	-	-	-	-	-	-	-	-	15.9	-	-	-	176

191.6 ft					210.0 ft				
ft									ft
48	64.1	48.0	-	-	-	-	-	-	48
56	58.9	43.6	37.2	-	48.8	41.7	-	-	56
64	54.3	39.9	35.4	28.4	45.0	39.1	34.9	-	64
72	50.1	36.7	33.8	27.6	41.7	36.4	33.3	27.4	72
80	46.7	34.2	32.1	26.8	38.9	33.8	31.7	26.8	80
88	43.4	31.8	30.2	26.3	36.5	31.8	30.1	26.1	88
96	40.1	29.4	28.2	25.7	34.2	29.9	28.5	25.4	96
104	37.6	27.5	26.4	25.1	32.1	28.0	26.9	24.7	104
112	35.1	25.9	24.8	24.4	30.1	26.2	25.3	24.0	112
120	32.7	24.5	23.5	23.2	28.4	24.8	23.9	23.3	120
128	30.4	22.9	22.2	22.0	26.6	23.5	22.7	22.5	128
136	28.1	21.3	21.0	20.8	24.9	22.3	21.6	21.4	136
144	26.1	20.1	19.9	19.7	23.2	21.1	20.7	20.5	144
152	24.2	19.0	18.8	18.6	21.6	19.9	19.7	19.5	152
160	22.2	17.8	17.7	17.7	20.3	18.8	18.6	18.6	160
168	20.5	16.7	16.7	16.7	19.0	17.8	17.7	17.7	168
184	14.7	14.7	14.7	-	16.4	15.8	15.8	15.8	184
200	-	11.7	-	-	12.0	13.8	13.9	-	200
216	-	-	-	-	-	9.6	10.1	-	216

28.5 ft x 27.9 ft										360°				85%	
		133.5 ft				163.1 ft				192.6 ft					
		8.2 ft		23.0 ft*		8.2 ft		23.0 ft*		8.2 ft		23.0 ft*			
		10°	0°	20°	40°	10°	0°	20°	40°	10°	0°	20°	40°		
ft		1,000 lb												ft	
24	148.0	-	-	-	-	-	-	-	-	-	-	-	-	24	
28	146.7	110.5	-	-	-	-	-	-	-	-	-	-	-	28	
32	144.3	101.1	-	-	-	104.0	88.2	-	-	-	-	-	-	32	
36	141.2	93.2	49.3	-	-	101.4	85.7	-	-	64.4	-	-	-	36	
40	137.8	86.0	47.1	33.2	-	98.8	82.9	48.2	-	62.8	53.4	-	-	40	
48	126.2	75.0	43.5	31.6	-	94.1	75.1	44.7	32.1	59.9	51.0	43.6	-	48	
56	108.3	65.9	40.4	30.2	-	89.9	68.2	41.8	30.8	57.0	48.7	41.2	30.6	56	
64	94.2	57.7	37.6	29.1	-	86.1	62.3	39.5	29.8	54.7	46.7	39.0	29.7	64	
72	81.8	52.4	35.3	28.0	-	80.2	56.3	37.1	28.7	52.3	44.8	37.1	28.7	72	
80	71.4	47.5	33.4	27.3	-	71.1	51.7	35.0	27.8	49.9	42.9	35.5	28.1	80	
88	61.9	42.8	31.6	26.6	-	62.0	48.2	33.4	27.0	48.0	41.1	33.8	27.3	88	
96	54.0	39.2	29.9	26.0	-	54.2	44.7	31.9	26.6	46.3	39.6	32.4	26.6	96	
104	47.6	36.5	28.8	25.6	-	47.8	41.4	30.5	26.1	44.6	38.3	31.3	26.1	104	
112	41.5	33.8	27.7	25.3	-	41.8	38.2	29.1	25.6	42.8	37.0	30.4	25.8	112	
120	35.4	31.5	26.6	-	-	37.1	36.2	28.2	25.3	38.7	35.8	29.3	25.2	120	
128	27.4	29.5	25.8	-	-	32.7	33.7	27.4	25.1	34.7	34.0	28.3	24.7	128	
136	-	27.9	25.4	-	-	29.0	30.3	26.4	25.0	31.0	31.4	27.3	24.3	136	
144	-	21.3	22.4	-	-	25.7	26.8	25.6	24.9	27.7	28.4	26.7	24.3	144	
152	-	-	-	-	-	20.7	24.1	24.5	-	24.8	25.6	25.9	24.3	152	
160	-	-	-	-	-	-	20.9	21.6	-	22.2	22.8	23.6	23.6	160	
168	-	-	-	-	-	-	16.1	17.0	-	19.9	20.5	21.1	21.3	168	
176	-	-	-	-	-	-	-	-	-	16.8	18.4	18.8	-	176	
184	-	-	-	-	-	-	-	-	-	-	16.4	16.9	-	184	
192	-	-	-	-	-	-	-	-	-	-	13.3	14.1	-	192	

210.0 ft														
ft		1,000 lb												ft
40	48.5	41.3	-	-	-	-	-	-	-	-	-	-	-	40
48	46.0	39.5	39.9	-	-	-	-	-	-	-	-	-	-	48
56	43.8	37.8	38.0	30.2	-	-	-	-	-	-	-	-	-	56
64	41.8	36.0	36.3	29.1	-	-	-	-	-	-	-	-	-	64
72	39.9	34.4	34.6	28.2	-	-	-	-	-	-	-	-	-	72
80	38.1	33.1	33.3	27.5	-	-	-	-	-	-	-	-	-	80
88	36.4	31.6	32.0	26.9	-	-	-	-	-	-	-	-	-	88
96	34.9	30.2	30.6	26.3	-	-	-	-	-	-	-	-	-	96
104	33.7	29.1	29.4	25.6	-	-	-	-	-	-	-	-	-	104
112	32.3	28.2	28.2	25.1	-	-	-	-	-	-	-	-	-	112
120	31.1	27.1	27.2	24.8	-	-	-	-	-	-	-	-	-	120
128	29.9	26.0	26.3	24.5	-	-	-	-	-	-	-	-	-	128
136	28.8	24.9	25.3	24.1	-	-	-	-	-	-	-	-	-	136
144	27.6	24.1	24.3	23.8	-	-	-	-	-	-	-	-	-	144
152	24.8	23.3	23.7	23.3	-	-	-	-	-	-	-	-	-	152
160	22.2	22.4	22.8	22.8	-	-	-	-	-	-	-	-	-	160
168	19.7	20.4	21.1	21.3	-	-	-	-	-	-	-	-	-	168
176	17.5	18.2	18.8	19.1	-	-	-	-	-	-	-	-	-	176
184	15.6	16.3	16.7	-	-	-	-	-	-	-	-	-	-	184
192	13.1	14.4	14.9	-	-	-	-	-	-	-	-	-	-	192
200	9.2	12.7	13.1	-	-	-	-	-	-	-	-	-	-	200
208	-	10.0	10.5	-	-	-	-	-	-	-	-	-	-	208
216	-	6.6	7.3	-	-	-	-	-	-	-	-	-	-	216

* MS-A-SL

	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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Basic machine

Equipment carrier

Engine 430-4	MTU; Output 430 kW (585 HP), torque 2750 Nm, certifications in accordance with Tier 4F, CARB; Exhaust system made of stainless steel with SCR catalytic converter. 166 gallons; Fuel: Diesel; Supplies carrier and crane (13 gallons buffer tank at crane).
Transmission AS16INT	ZF AS-Tronic; Automatic transmission with integrated hydraulic retarder brake, 16 forward speeds and 2 reverse; 2-stage transfer case with switchable off-road gear and switchable longitudinal lock.
Axles 12 x 8 x 10	12 x 8 x 10; 6 axles, axles 2, 4-6 driven and equipped with selectable transverse lock, axles 4 and 5 with selectable longitudinal lock; Axles 1-3, 5+6 steered, axle 4 liftable.
Suspension	Hydropneumatic suspension with axle load compensation; Hydraulically lockable; Manual or automatic levelling alternatively.
Steering	Dual circuit hydro semiblock steering with emergency steering pump; Active rear axle steering with different steering programs.
Brakes	Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Hydraulic retarder integrated into transmission as sustained-action brake; Additional exhaust brake and constant choke valve; Spring-loaded parking brake.
Tires size 385/95 R25 (14.00R25)	Tires size 385/95 R25 (14.00R25); Steel rims 9,50-25/1,7"; TechKing ETCRANE 170F or similar.
Cab 2880	Type 9.45 ft; Adjustable driver seat with seat heating, armrests and pneumatic suspension; Co-driver's seat; Steering wheel height and tilt adjustable; Power door windows; Tinted glass; Radio-preparation.
Heating engine-dependent	Engine-dependent warm water heating with 12 kW heating power.
Aircondition	Aircondition for carrier cab with 7 kW cooling power.
Cruise control	Automatic speed control including automatic brake control.
Drive lights	With low beam, upper beam.
Outriggers	H-4-Point design; 4 outriggers telescopic; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively; 4 outrigger bases: 9.0 ft, 18.2 ft, 23.0 ft and 27.9 ft.
Outrigger pads 038	4 round outrigger pads A = 4.1 ft ² with transport position at vertical cylinder.
Outrigger load indicator	Displayed in LMI crane cab.
Outrigger basis monitoring	Individual monitoring of horizontal stroke; Deviation warning in crane cab.
Central lubrication	Central auto lube for all lubrication points at carrier.
Electronic immobiliser system	Prevents uncontrolled carrier mobilisation; Incl. 2 electronic keys and 4 ignition keys.
Contour safety marking	Continuous reflective strips on the sides of the chassis and on the rear.

Equipment superstructure

Engine 210-4	MTU; Output 210 kW (286 HP), torque 1150 Nm, certifications in accordance with Tier 4F, CARB; Exhaust system made of stainless steel with SCR catalytic converter.
Telescopic boom HA64	44.9 ft – 210.0 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 6 sheaves integrated in boom head.
Boom luffing	1 luffing cylinder with automatic lowering brake valve.
Rotary drive	1 slewing gear unit with spring-loaded multi-disc brake.
H1	Hoist with spring-loaded multi-disc brake; Twist prevention for rope; Resolver (hoist rotation indicator).
Counterweight 76,500 lb	Counterweight 76,500 lb, 4 pieces; Automatic rigging system; Expandable to max. 257,300 lb.
Control system	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits.
Operator aids	IC-1, with integrated electronic load moment indicator in accordance with EN13000; Color display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger.
Working range limiter	Displaying and programmability of the work range limits by IC-1.
Hook height indication	Displaying and programmability of the hook height by IC-1.
Cab 088	Type 2.87 ft; Tilt infinitely variable 20°; Seat heating; Sliding windows in door and rear; Fold-out front window; Extendable side pedestal, foldable front pedestal; Handrails; Tinted safety glass; Pull-down sun visor and light curtains; Radio-preparation.
Heating engine-dependent	Engine-dependent warm water heating with 12 kW heating power.
Aircondition	Aircondition in crane cab with 7 kW cooling power.
Anemometer	Removable, to be used with all extensions.

Additional equipment

Carrier

Additional fuel tank Additional fuel tank 79 gallons, for total 245 gallons Diesel.

Superstructure

Quick connection main boom (HA) Hydraulic bolt extractors and hydraulic and electric quick couplings for fast (dis-) assembly; Incl. transport storage for luffing cylinder.

Heavy lift attachment 4 additional sheaves = 10 sheaves integrated in boom head; Enable max. capacity of 441,000 lb.

SL Superlift; Capacity increasing boom guy support; Incl. transport storage.

2. hoist (H2) 2. hoist; Spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Rope twist prevention; Incl. quick couplings and transport storage at crane tail; Enables 2-hook operation with all extensions except WIHI; Exclusive luffing tackle unit.

Additional counterweight 180,800 lb Additional counterweight 180,800 lb; Counterweight plates e-l; For max. 257,300 lb.

Handling

HR Hydraulic winch for reeving assistance.

Fall-from-height protection system boom base section Working at height fall-arrest system at the main boom base section.

Fall-from-height protection system boom base section + SL Working at height fall-arrest system at the main boom base section and SL.

Extensions

WIHI-A 236.2 ft 236.2 ft; Luffing jib, complete kit; Increments 19.7 ft; With integrated manual offset section 20° / 40°; System dimensions Q1313, Q1309; 2-sheave head; Includes SF51, LF27, H2 incl. disconnectable luffing tackle unit.

SF-A 167.3 ft 167.3 ft; Strong fixed jib; Increments 19.7 ft; With integrated manual offset section 20° / 40°; System dimensions Q1313, Q1309; 2-sheave head; Includes LF27.

LF-A 88.6 ft 88.6 ft; Light fixed jib; Increments 19.7 ft; With integrated manual offset section 20° / 40°; System dimension Q1309; 2-sheave head.

HAV 65.6 ft 37.4 ft / 65.6 ft; Extendable swing-away jib incl. folding adapter, manual offset 20° / 40°; 1-sheave head; Incl. transport storage (folding adapter remains at boom head).

MS (runner) 9.8 ft; 2-parted, fixed assembly jib; 3-sheave head; Operation of runner head also with selected LF and WIHI lengths (SWIHI).

Hook Blocks

Hook block 200-9-23-D 200-9-23-D (4,410 lb); Hook block with ramshorn hook; white with red signal stripes.

Hook block 160-7-23-D 160-7-23-D (3,750 lb); Hook block with ramshorn hook; white with red signal stripes.

Hook block 125-5-23-D 125-5-23-D (2,650 lb); Hook block with ramshorn hook; white with red signal stripes.

Hook block 80-3-23-D 80-3-23-D (2,320 lb); Hook block with ramshorn hook; white with red signal stripes.

Hook block 40-1-23-D 40-1-23-D (1,650 lb); Hook block with ramshorn hook; white with red signal stripes.

Hook 12-0V-E 12-0V-E (1,100 lb); Single hook with vertical swivel; red.

Further additional equipment on request!

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

December 2017. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the corresponding Operator's Manual when using our equipment or to otherwise act responsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and 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, Demag and Above, Ahead, Always are trademarks of or licensed by Terex Corporation or its subsidiaries.

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