


























AC 350-6



All Terrain Crane

400UST CAPACITY CLASS

		Page:
Specifications		4
	HA Main boom	13
	HA-SL Main boom with SL	14
	HAV Folding swing-away jib	22
	HAV-SL Folding swing-away jib with SL	25
	LF Light fixed jib	26
	LF-A Light fixed jib with offset section	27
	SF Strong fixed jib	29
	SF-A Strong fixed jib with offset section	30
	SF-SL Strong fixed jib with SL	34
	SF-A-SL Strong fixed jib with offset section and SL	34
	(S)WIHI (Strong) Luffing fly jib (optimized for lifting capacity)	36
	WIHI-A Luffing fly jib (optimized for lifting capacity) with offset section	37
	(S)WIHI-SL (Strong) Luffing fly jib (optimized for lifting capacity) with SL	47
	WIHI-A-SL Luffing fly jib (optimized for lifting capacity) with offset section and SL	47
	MS Runner	51
	MS-A Runner with offset section	52
	MS-SL Runner with SL	53
	MS-A-SL Runner with offset section and SL	53
Technical description		54

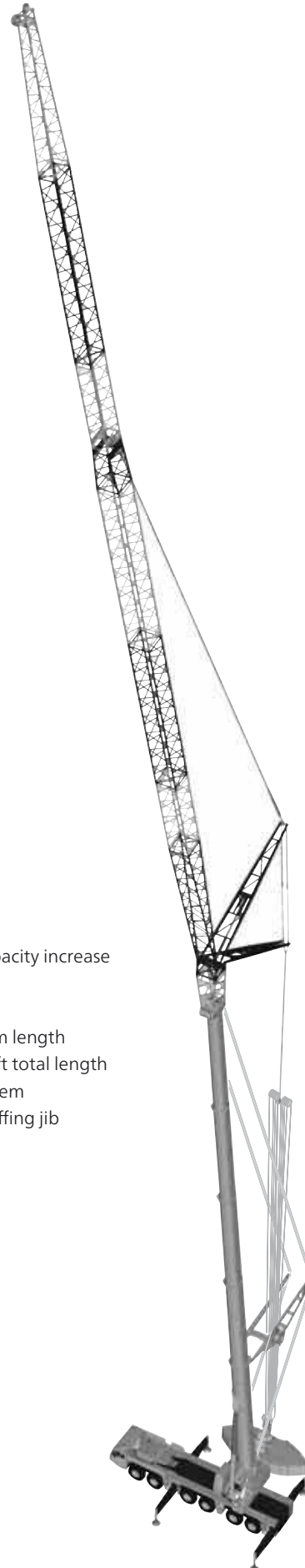
	Counterweight
	Lifting capacities on outriggers · 360°
	Radius
	Main boom
	Folding swing-away jib
	Fixed fly jib
	Luffing fly jib
	Runner
	Adapter
	Max. axle loads
	Mechanism
	Tires
	Hook block
	Hoist
	Dolly
	Superlift
	Travel speed
	Gradeability – road %
	Gradeability – off road %

	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 lb
	Weight of hook block lb
	Distance head sheave axle – hook ground
	Number of sheaves in boom head
	Supporting force
	Length of stroke (support cylinders)
	Front outrigger
	Rear outrigger

HIGHLIGHTS

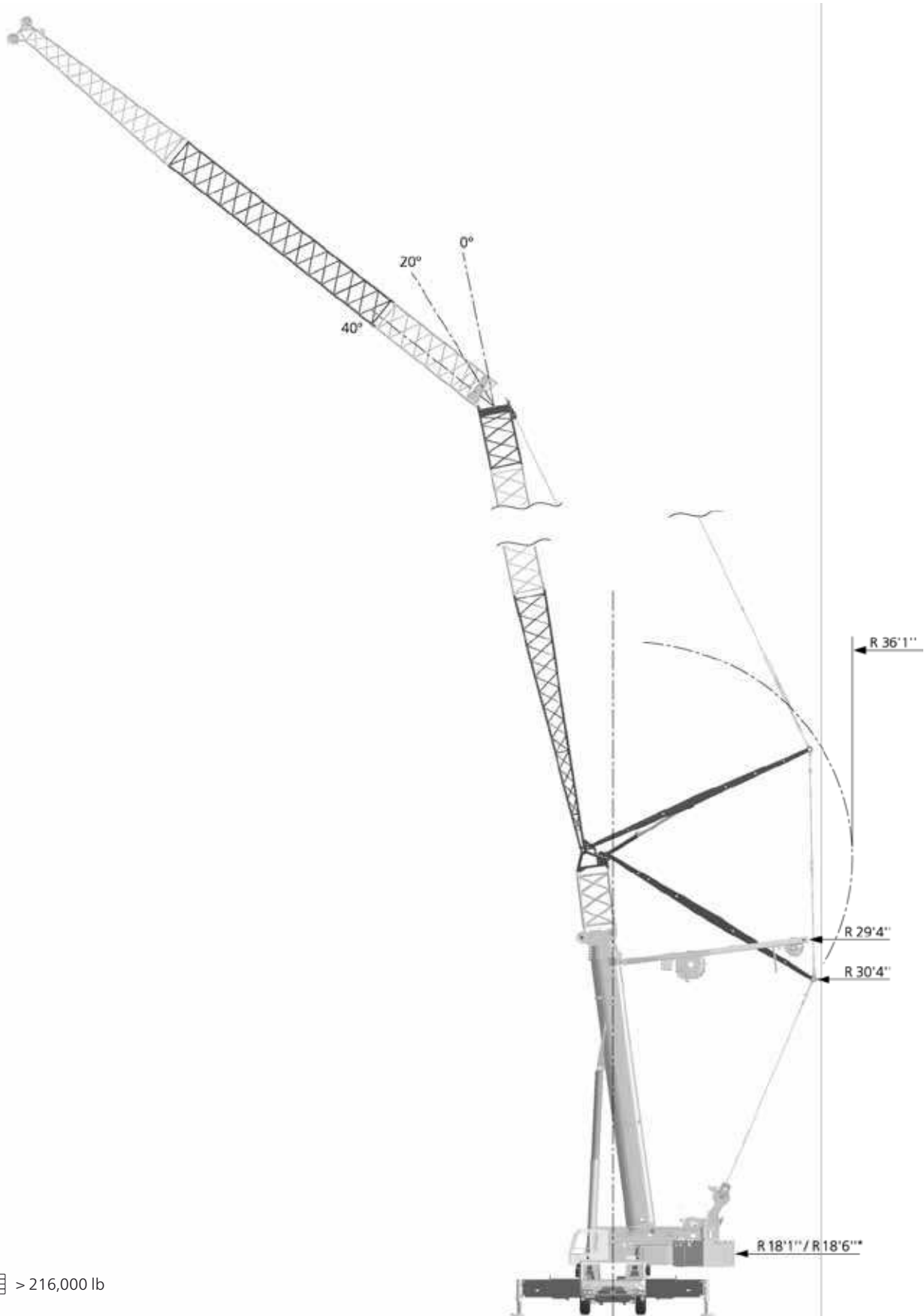
AC 350-6


- ▶ Superlift main boom guy for additional capacity increase
- ▶ 210.0 ft main boom
- ▶ System length up to 412.4 ft
- ▶ Up to 275.6 ft class leading roadable system length
- ▶ Most compact 6-axle crane with only 54.8 ft total length
- ▶ Fully automatic counterweight rigging system
- ▶ Quickest and safest setup system for the luffing jib



DIMENSIONS

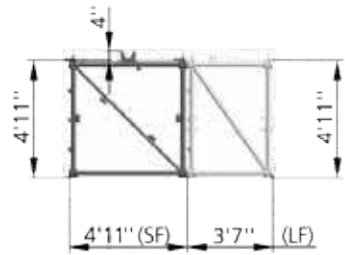
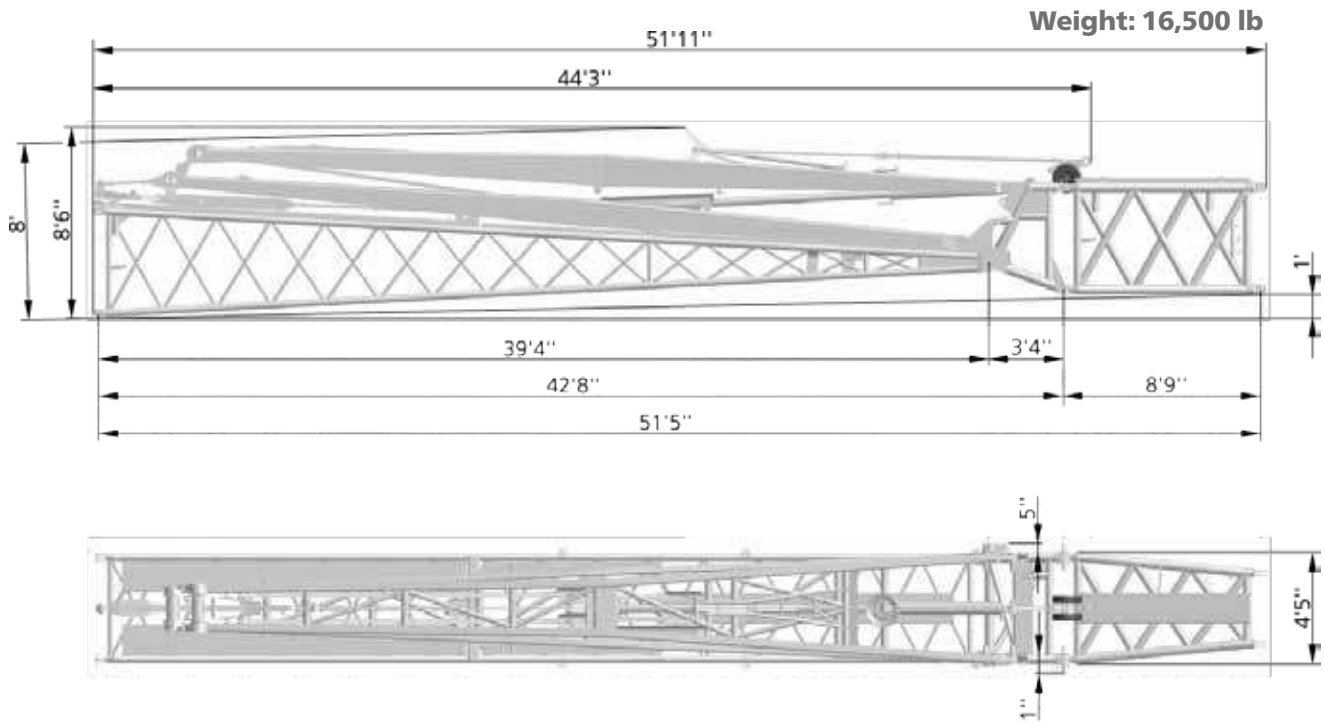
AC 350-6



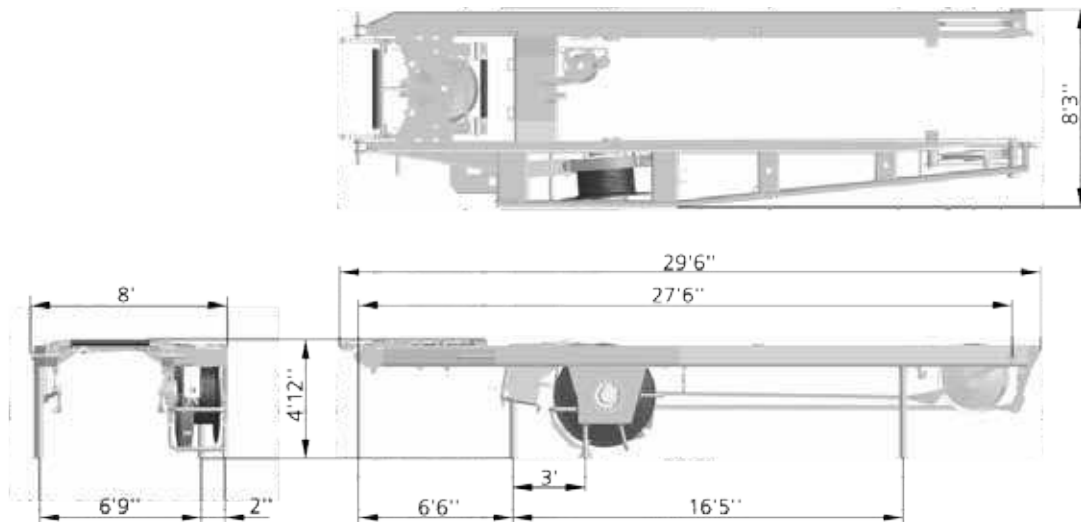
*  > 216,000 lb

DIMENSIONS

AC 350-6



Weight: 12,800 lb



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		4* Off-wall No tail swing
	2 City < 28 mph Axles 5+6 with speed dependent steering		5* Crab steer mode All axles in the same direction
	3* Minimum turning radius < 3 mph Axles 5+6 steered automatically		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 %

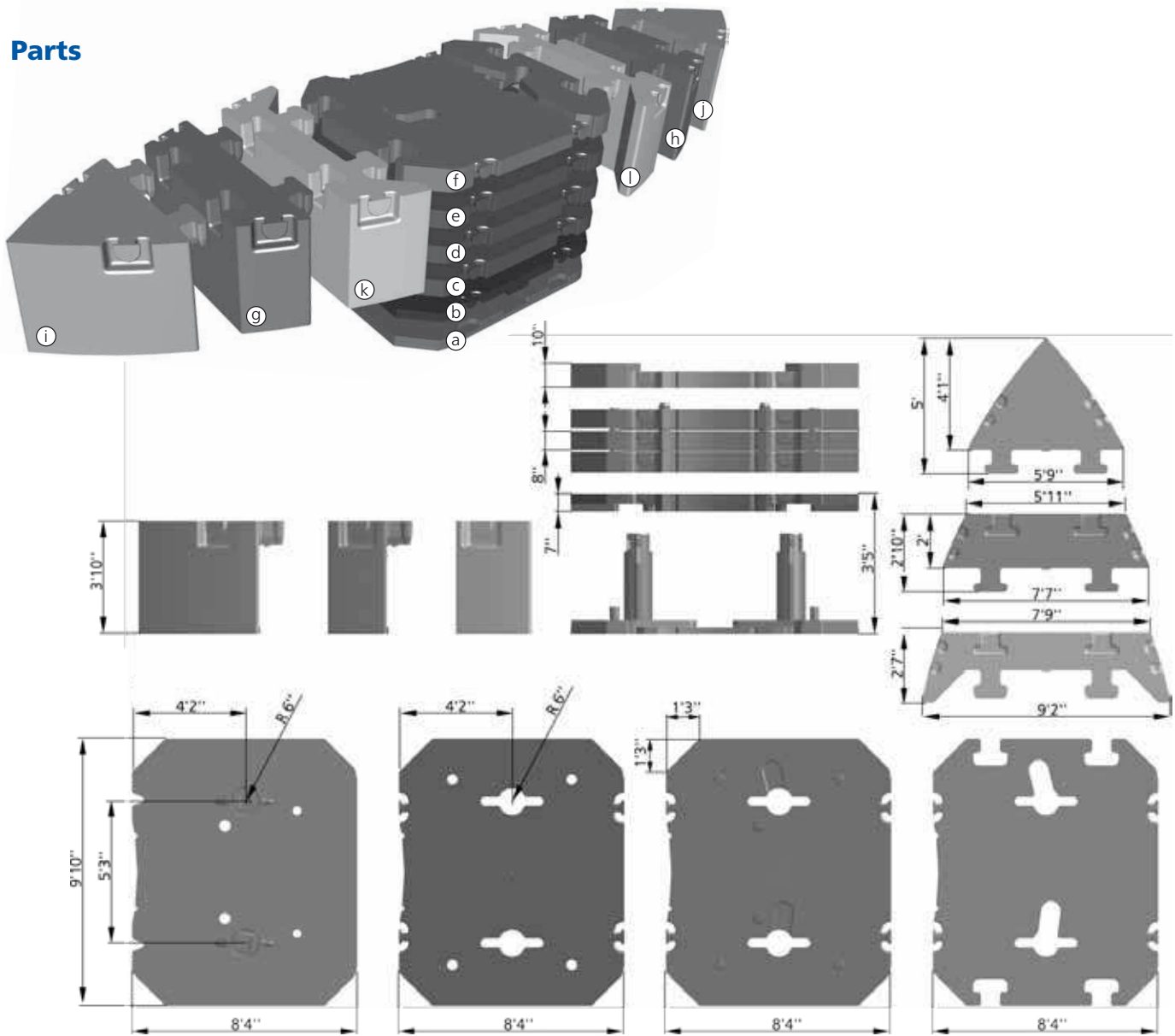
1	381 ft/min	25,600 lbf	0.91"	1247 ft
2	381 ft/min	25,600 lbf	0.91"	1591 ft
	1,0 min ⁻¹			
	440 s (44.9-210 ft)			
	60 s (0°-83°)			

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 + S1	3,750 lb	9.8 ft
14	333,200	160-7-23	6 + S1	3,750 lb	9.8 ft
15	355,200	200-9-23	6 + S1	3,750 lb	9.8 ft
16	377,000	200-9-23	6 + S1	4,410 lb	9.8 ft
17	398,700	200-9-23	6 + S1	4,410 lb	9.8 ft
18	420,000	200-9-23	6 + S1	4,410 lb	9.8 ft
19	441,000	200-9-23	6 + S1	4,410 lb	9.8 ft

COUNTERWEIGHT

AC 350-6

Parts



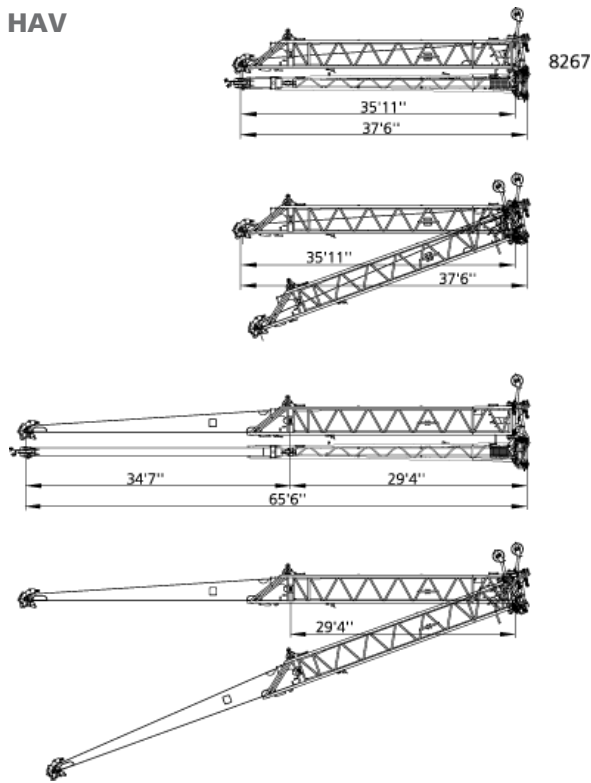
Configurations

	Ⓐ 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	Ⓛ 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	X
257,300 lb	X	X	X	X	X	X	X	X	X	X	X	X

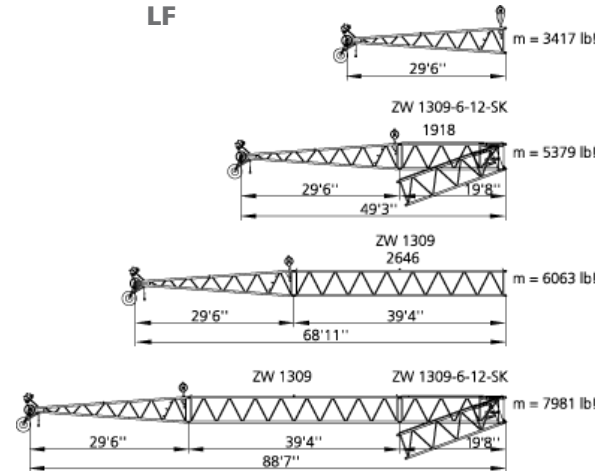
BOOM COMBINATIONS

AC 350-6

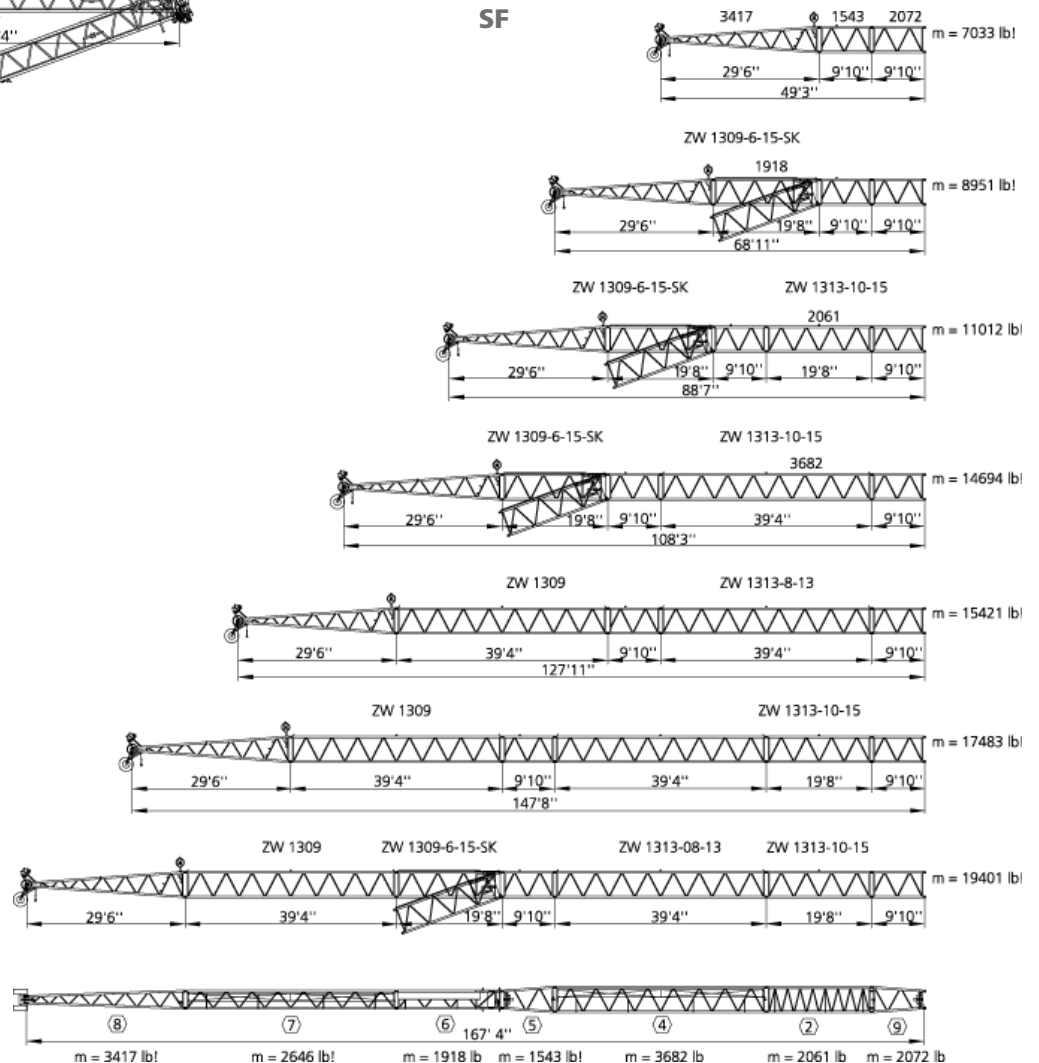
HAV



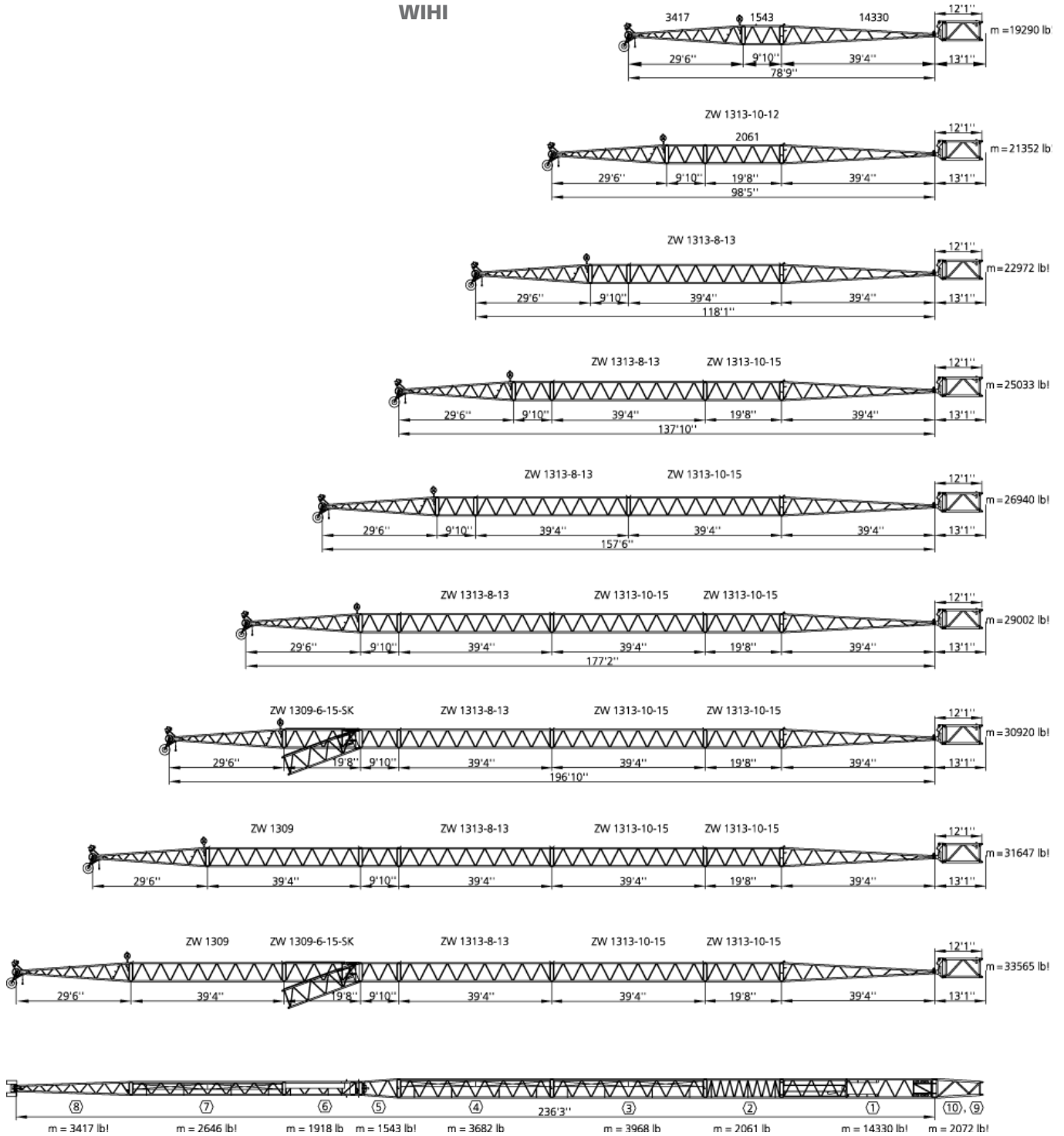
LF



SF



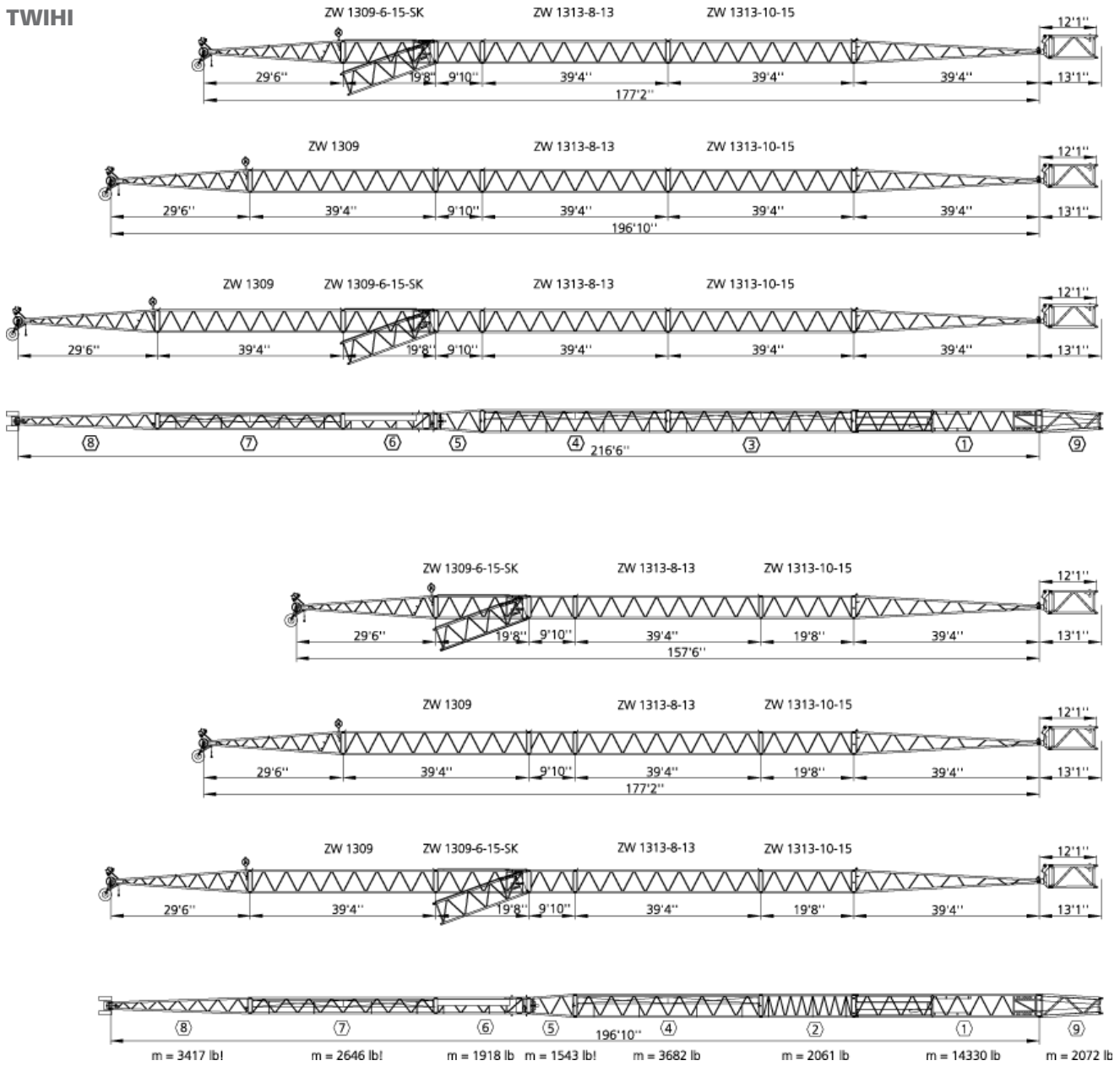
WIHI



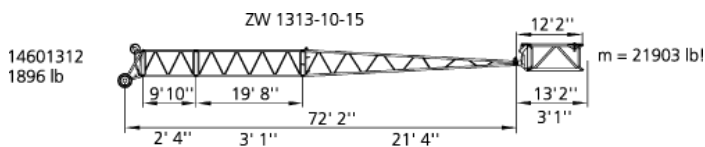
BOOM COMBINATIONS

AC 350-6

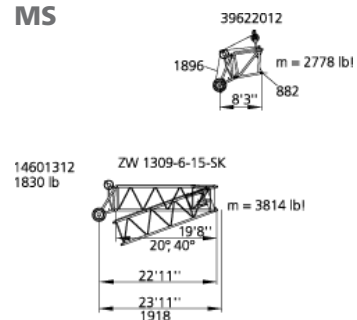
TWIHI

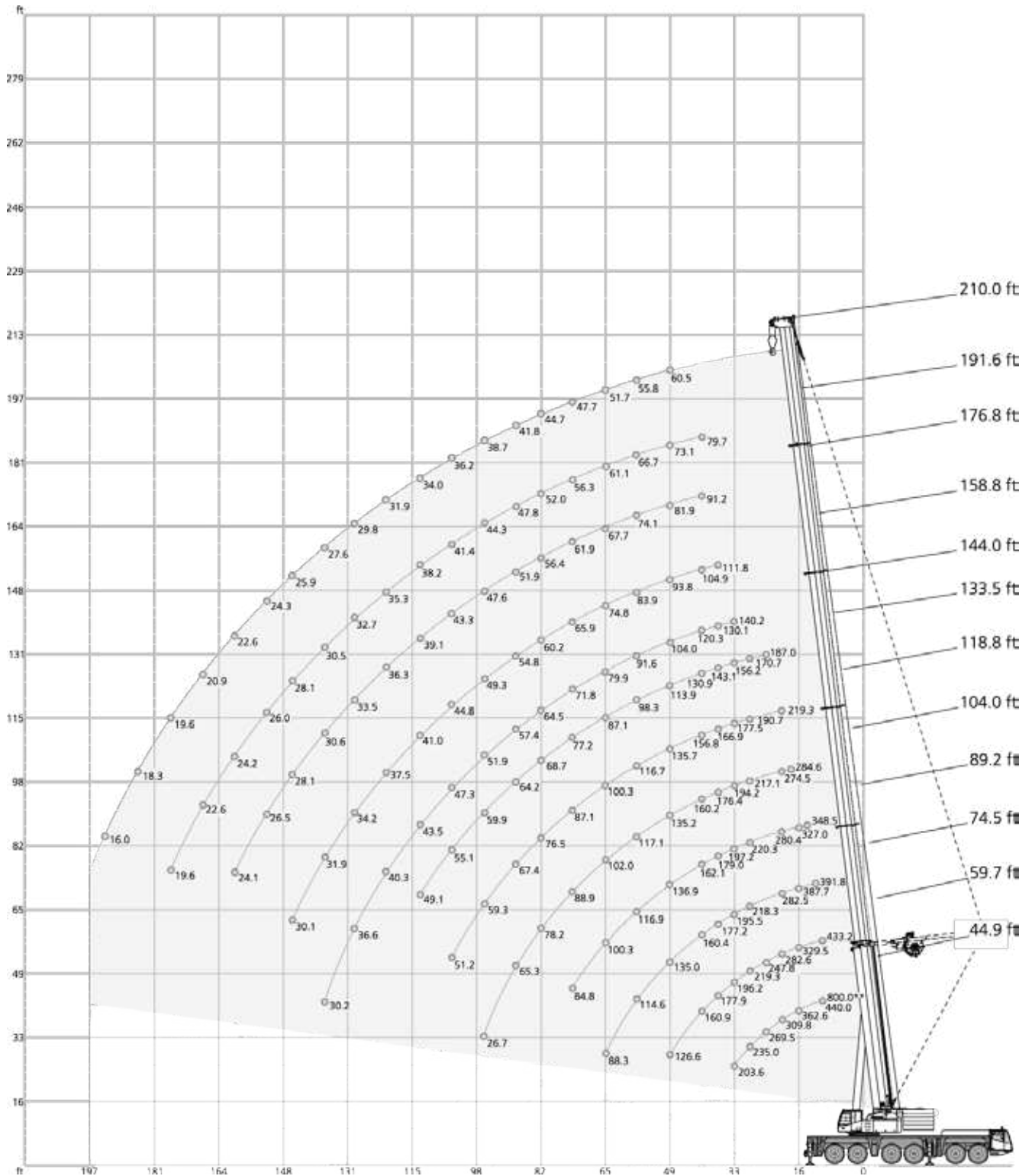
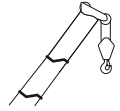


SWIHI




MS





** Capacity class

257,300 lb		28.5 ft x 27.9 ft										360°					85%				
0°		(ft)																			
ft		44.9	44.9	59.7	74.5	89.2	104.0	118.8	118.8*	133.5	133.5*	144.0	148.3*	158.8	163.1*	176.8	177.8*	191.6	192.6*	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	-	100.8	-	-	-	-	-
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	-	98.4	-	77.2	-	-	-
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	-	95.8	-	75.2	-	58.9	-
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	93.3	79.7	73.4	-	57.3	-
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	88.6	73.1	69.9	60.5	54.6	-
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	84.6	66.7	66.6	55.8	52.0	-
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	80.8	61.1	63.8	51.7	49.6	-
72	-	-	-	-	84.8	88.9	87.1	83.4	77.2	82.3	71.8	82.5	65.9	82.7	61.9	77.0	56.3	60.9	47.7	47.4	-
80	-	-	-	-	-	78.2	76.5	72.7	68.7	71.6	64.5	71.9	60.2	72.8	56.4	72.3	52.0	58.3	44.7	45.3	-
88	-	-	-	-	-	65.3	67.4	63.3	64.2	62.2	57.4	62.6	54.8	63.5	51.9	64.9	47.8	56.2	41.8	43.3	-
96	-	-	-	-	-	26.7	59.3	54.7	59.9	54.4	51.9	54.7	49.3	55.6	47.6	57.1	44.3	54.1	38.7	41.7	-
104	-	-	-	-	-	-	51.2	43.6	55.1	47.9	47.3	48.2	44.8	49.0	43.3	50.4	41.4	51.3	36.2	40.1	-
112	-	-	-	-	-	-	-	-	49.1	41.3	43.5	42.5	41.0	43.4	39.1	44.7	38.2	46.0	34.0	38.7	-
120	-	-	-	-	-	-	-	-	-	-	40.3	37.4	37.5	38.4	36.3	39.9	35.3	41.2	31.9	37.1	-
128	-	-	-	-	-	-	-	-	-	-	36.6	30.9	34.2	34.3	33.5	35.7	32.7	37.0	29.8	35.3	-
136	-	-	-	-	-	-	-	-	-	-	30.2	21.9	31.9	30.4	30.6	31.9	30.5	33.3	27.6	33.3	-
144	-	-	-	-	-	-	-	-	-	-	-	-	30.1	23.9	28.1	28.6	28.1	30.0	25.9	30.5	-
152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.5	25.0	26.0	27.0	24.3	27.4	-
160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.1	19.1	24.2	24.4	22.6	24.9	-
168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.6	20.6	20.9	22.5	-
176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.6	15.5	19.6	20.2	-
184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3	16.7	-
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.0	12.7	-

*  ** Capacity class

211,400 lb		28.5 ft x 27.9 ft		360°		85%							
ft	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													
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%	
ft		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																
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%	
ft		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																
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%	
ft		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																
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%	
ft		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															
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	

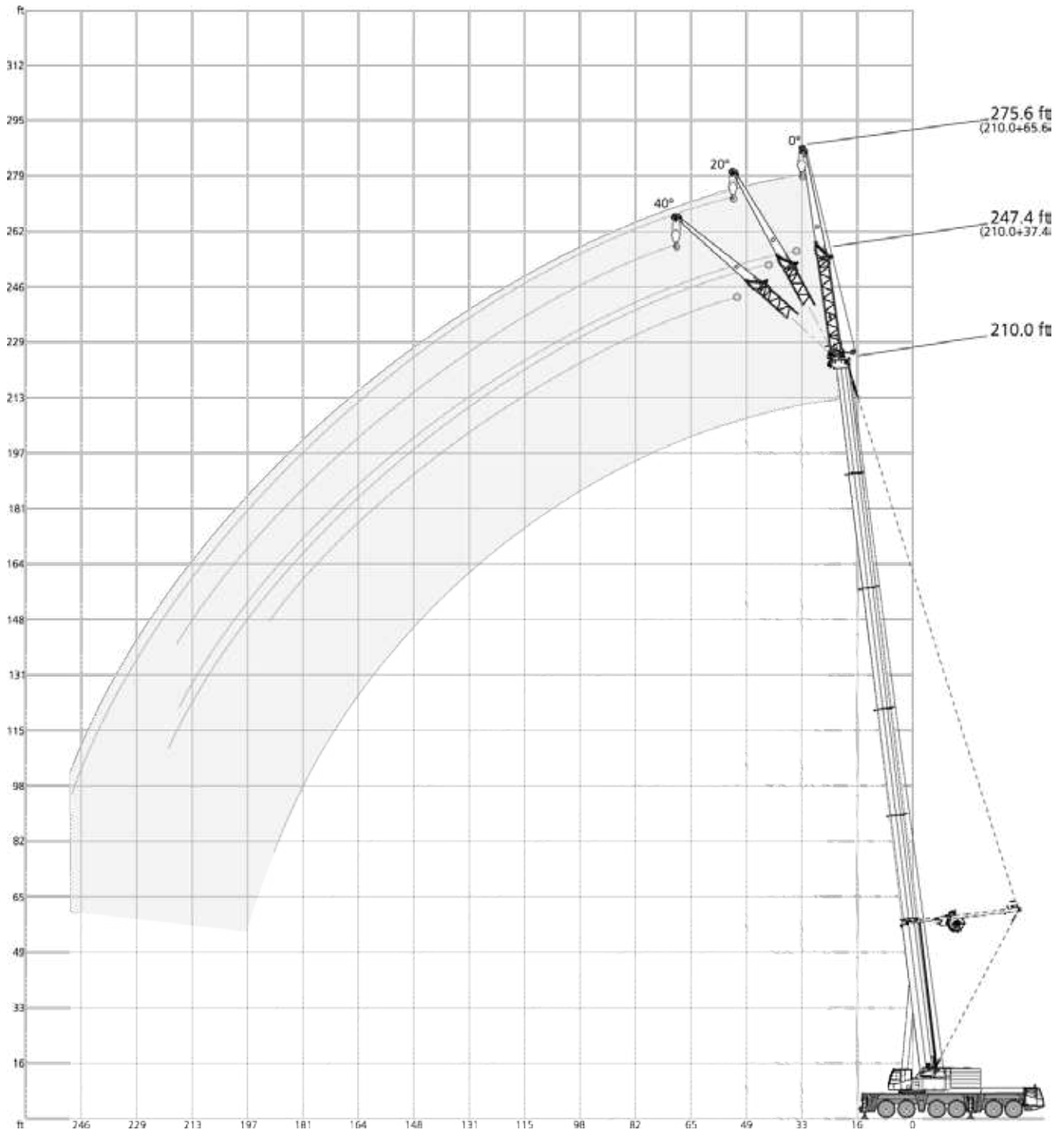
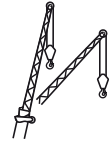
32,000 lb		28.5 ft x 27.9 ft										360°		85%	
ft		44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft	ft	
1,000 lb															
10	403.6	404.7	-	-	-	-	-	-	-	-	-	-	-	10	
12	365.0	366.1	366.1	-	-	-	-	-	-	-	-	-	-	12	
14	333.2	334.3	334.3	332.1	-	-	-	-	-	-	-	-	-	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%	
ft		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		
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%	
ft		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		
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		

HAV / HAV-SL

AC 350-6



28.5 ft x 27.9 ft							360°							85%						
44.9 ft							118.8 ft													
ft	37.4 ft			65.6 ft			ft	37.4 ft			65.6 ft									
	0°	20°	40°	0°	20°	40°		0°	20°	40°	0°	20°	40°							
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						
ft	37.4 ft			65.6 ft		
	0°	20°	40°	0°	20°	40°
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	-

192.6 ft						
ft	37.4 ft			65.6 ft		
	0°	20°	40°	0°	20°	40°
1,000 lb						
56	43.6	-	-	25.3	-	-
64	40.5	-	-	24.4	-	-
72	37.5	34.0	-	23.2	-	-
80	34.8	31.8	29.8	21.9	16.0	-
88	32.8	29.8	28.3	20.8	15.5	-
96	30.6	28.0	26.7	19.9	14.9	12.4
104	28.5	26.6	25.3	19.1	14.4	12.2
112	26.6	25.0	24.2	18.0	14.1	11.9
120	25.2	23.6	22.9	17.2	13.6	11.8
128	23.7	22.5	21.8	16.5	13.3	11.7
136	22.2	21.4	20.9	16.0	12.9	11.7
144	20.8	20.1	19.9	15.5	12.6	11.5
152	19.3	19.0	19.1	14.9	12.5	11.5
160	18.2	18.0	18.2	14.4	12.3	11.5
168	17.0	16.9	17.1	13.8	12.0	11.5
176	15.8	15.8	16.0	13.3	11.9	11.5
184	14.5	14.7	14.9	13.0	11.7	11.5
192	13.4	13.7	-	12.5	11.5	11.5
200	12.4	12.6	-	12.1	11.4	11.5
208	10.7	11.5	-	11.8	11.2	11.5
216	6.9	8.0	-	11.3	11.0	11.5
224	-	-	-	10.5	10.7	-
232	-	-	-	9.2	9.7	-
240	-	-	-	6.8	8.2	-

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		37.4 ft			65.6 ft						
		0°	20°	40°	0°	20°	40°				
ft		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

 **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

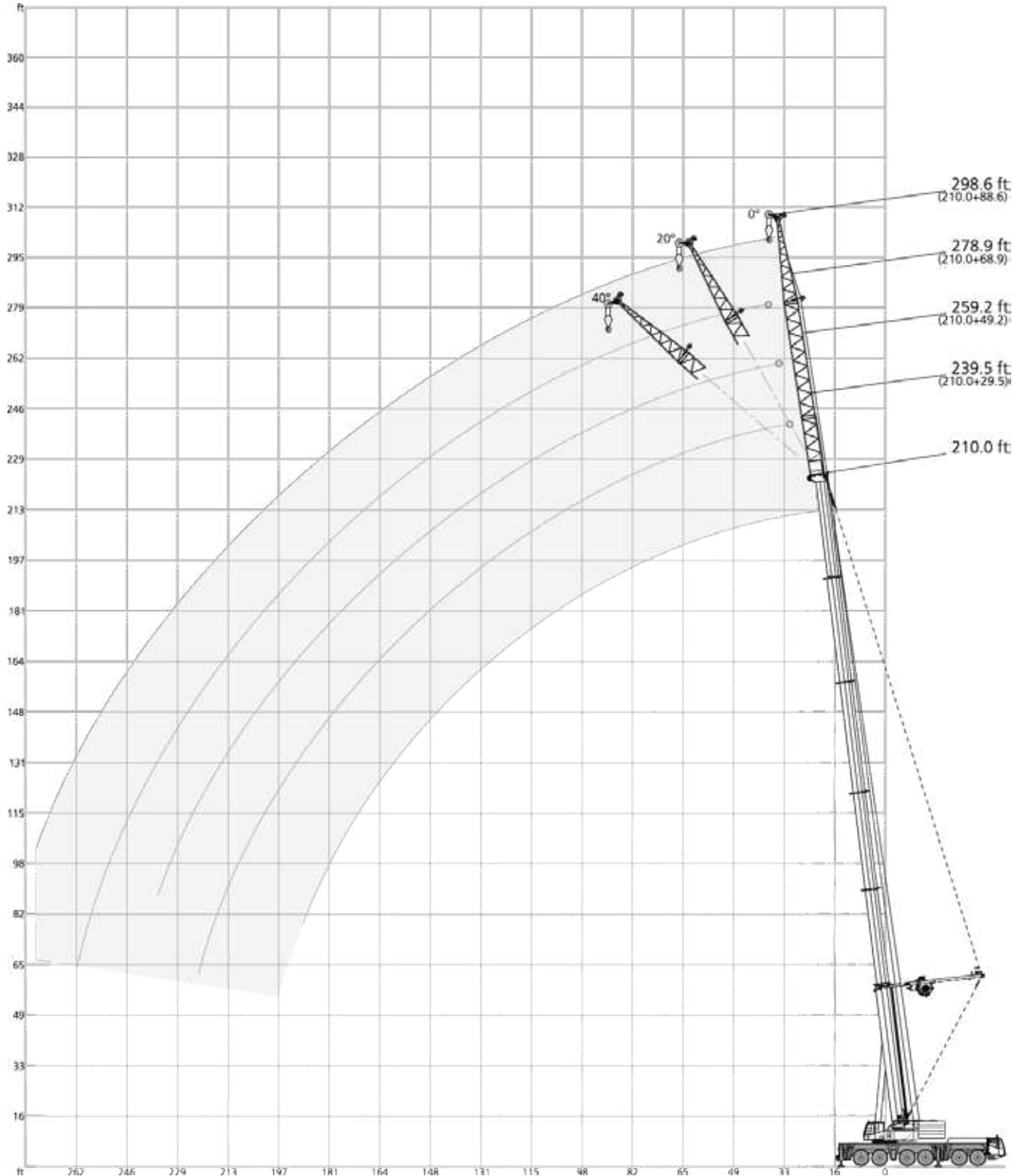
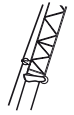
ft	37.4 ft			65.6 ft		
	0°	20°	40°	0°	20°	40°
	1,000 lb					
40	42.2	-	-	-	-	-
48	40.3	-	-	25.6	-	-
56	38.5	39.2	-	24.7	-	-
64	36.9	37.6	32.8	23.8	-	-
72	35.5	36.0	31.8	22.7	17.7	-
80	34.2	34.6	30.7	22.1	16.9	-
88	32.8	33.4	29.9	21.3	16.4	12.9
96	31.5	32.2	29.1	20.5	15.8	12.6
104	30.3	30.8	28.5	19.9	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

ft	37.4 ft			65.6 ft		
	0°	20°	40°	0°	20°	40°
	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																			
ft	29.5 ft		49.2 ft*			68.9 ft		88.6 ft*			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°												
1,000 lb										1,000 lb																			
10	100.0	-	-	-	-	-	-	-	-	24	93.4	-	-	-	-	-	-	-	-										
12	98.9	-	-	-	-	-	-	-	-	28	83.7	-	-	-	-	-	-	-	-										
14	94.4	97.0	-	-	-	-	-	-	-	32	75.7	74.0	-	-	-	-	-	-	-										
16	85.7	93.4	-	-	-	-	-	-	-	36	69.3	69.1	-	-	-	52.8	-	-	-										
18	78.5	88.3	-	-	72.3	-	-	-	-	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	-	-	-										
24	61.4	71.5	-	-	61.1	53.7	-	-	-	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	-	-	-										
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	-	-										
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	-	-										
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	-										
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	-										
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	-										
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	-										
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	-										
80	-	23.0	-	-	24.3	20.5	15.9	11.6	-	128	22.4	24.4	20.3	-	22.7	18.0	13.4	9.6	-										
88	-	-	-	-	22.2	19.1	14.8	10.8	-	136	21.2	23.2	19.7	-	21.6	17.2	12.9	9.3	-										
96	-	-	-	-	20.7	17.5	13.7	10.3	-	144	15.7	22.1	19.2	-	20.7	16.4	12.5	9.2	-										
104	-	-	-	-	19.3	16.1	12.8	9.9	-	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	-										
120	-	-	-	-	-	14.0	-	-	-	168	-	-	-	-	18.5	14.1	11.4	-	-										
										176	-	-	-	-	17.9	13.7	11.3	-	-										
										184	-	-	-	-	-	13.3	7.7	-	-										
										192	-	-	-	-	-	12.9	-	-	-										
										200	-	-	-	-	-	6.6	-	-	-										

133.5 ft										
ft	29.5 ft		49.2 ft*			68.9 ft		88.6 ft*		
	0°	0°	20°	40°	0°	0°	20°	40°		
1,000 lb										
28	84.7	-	-	-	-	-	-	-	-	
32	77.3	-	-	-	-	-	-	-	-	
36	71.3	69.3	-	-	-	-	-	-	-	
40	65.8	65.6	-	-	49.4	41.2	-	-	-	
48	56.8	58.3	36.1	-	44.9	37.5	-	-	-	
56	50.8	52.0	33.6	-	41.1	34.2	-	-	-	
64	44.8	47.4	31.3	23.3	38.0	31.4	-	-	-	
72	40.4	42.9	29.4	22.5	35.5	29.1	-	-	-	
80	37.2	38.8	27.7	21.7	33.1	27.3	18.1	-	-	
88	34.0	36.2	26.2	21.0	30.7	25.4	17.1	-	-	
96	31.0	33.8	25.0	20.3	28.9	23.5	16.3	11.0	-	
104	29.0	31.4	23.8	19.8	27.4	22.2	15.6	10.6	-	
112	27.2	29.0	22.7	19.4	25.9	21.1	15.0	10.3	-	
120	25.3	27.5	21.9	19.1	24.5	19.9	14.3	9.9	-	
128	23.8	26.1	21.0	18.8	23.2	18.7	13.7	9.6	-	
136	22.7	24.6	20.2	-	22.3	17.7	13.1	9.5	-	
144	21.7	23.4	19.7	-	21.3	16.9	12.7	9.3	-	
152	-	22.4	19.4	-	20.4	16.2	12.3	9.0	-	
160	-	21.6	19.0	-	19.6	15.6	12.0	8.9	-	
168	-	20.1	-	-	19.0	14.9	11.7	8.8	-	
176	-	-	-	-	18.6	14.2	11.3	-	-	
184	-	-	-	-	17.3	13.8	11.1	-	-	
192	-	-	-	-	-	13.4	11.0	-	-	
200	-	-	-	-	-	13.0	10.8	-	-	
208	-	-	-	-	-	12.5	-	-	-	

148.3 ft										
ft	29.5 ft		49.2 ft*			68.9 ft		88.6 ft*		
	0°	0°	20°	40°	0°	0°	20°	40°		
1,000 lb										
36	70.8	-	-	-	-	-	-	-	-	
40	65.5	63.4	-	-	46.2	-	-	-	-	
48	57.8	57.5	-	-	42.7	36.3	-	-	-	
56	51.5	52.0	33.7	-	39.6	33.4	-	-	-	
64	46.6	47.3	31.5	-	36.8	31.1	-	-	-	
72	42.0	43.7	29.6	22.5	34.4	28.7	-	-	-	
80	38.2	40.0	28.2	21.7	32.3	27.1	18.1	-	-	
88	35.7	36.9	26.7	21.0	30.5	25.5	17.1	-	-	
96	33.0	34.6	25.3	20.4	28.6	23.9	16.3	-	-	
104	30.6	32.5	24.3	20.0	27.2	22.4	15.6	10.6	-	
112	28.4	30.5	23.3	19.6	25.9	21.1	15.0	10.3	-	
120	26.9	28.7	22.4	19.2	24.6	20.2	14.3	10.1	-	
128	25.4	27.1	21.6	18.9	23.4	19.2	13.7	9.8	-	
136	23.9	25.8	21.1	18.8	22.3	18.3	13.3	9.5	-	
144	22.9	24.6	20.4	18.5	21.4	17.3	12.9	9.3	-	
152	21.9	23.4	19.8	-	20.6	16.4	12.5	9.0	-	
160	21.1	22.4	19.4	-	20.0	15.8	12.1	8.9	-	
168	-	21.3	19.1	-	19.2	15.2	11.8	8.8	-	
176	-	20.2	19.0	-	18.4	14.6	11.5	8.6	-	
184	-	-	-	-	17.7	14.1	11.2	-	-	
192	-	-	-	-	16.6	13.6	11.0	-	-	
200	-	-	-	-	14.9	13.3	11.0	-	-	
208	-	-	-	-	-	13.0	10.9	-	-	
216	-	-	-	-	-	12.6	10.8	-	-	

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

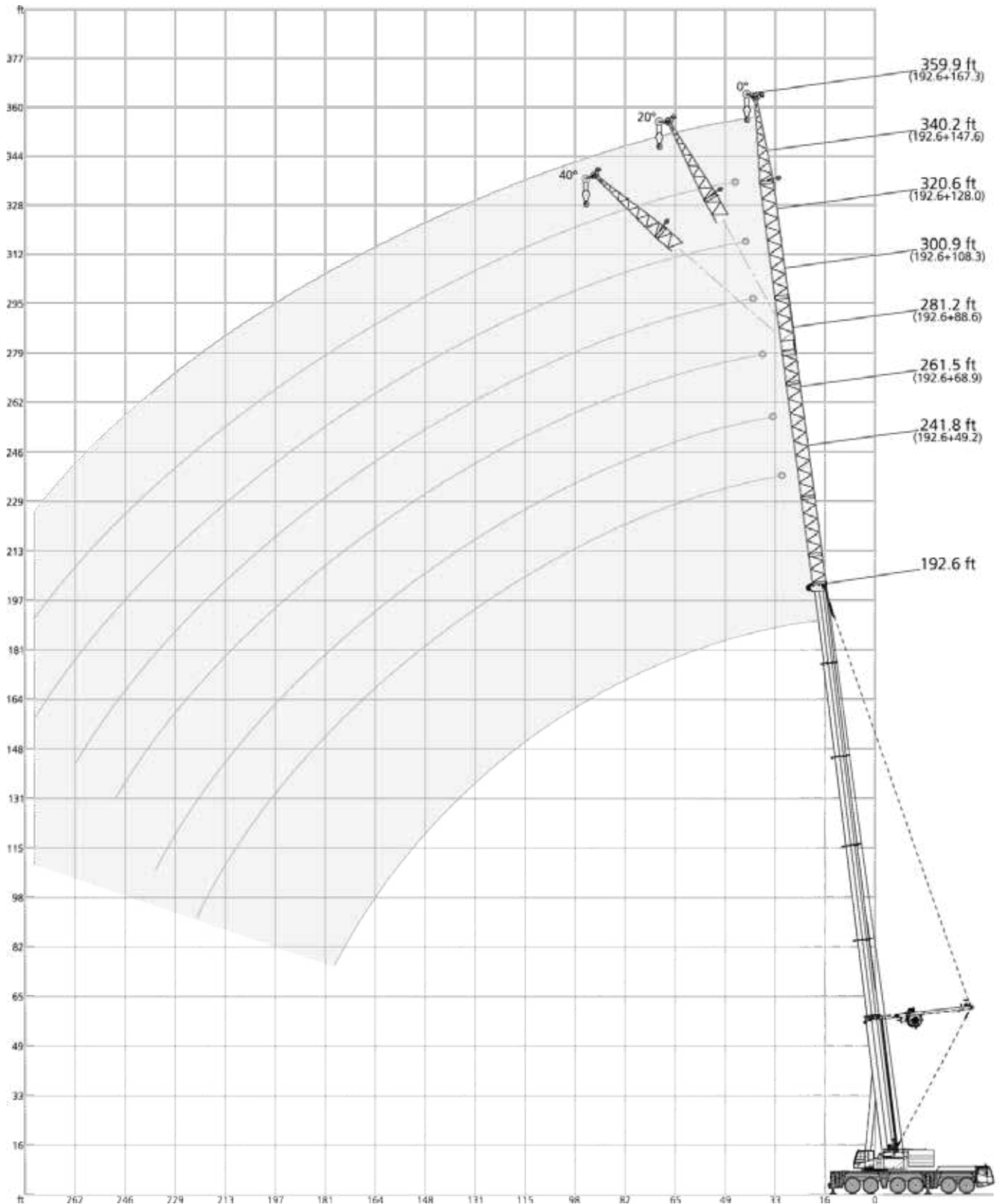
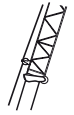
* LF-A



28.5 ft x 27.9 ft										360°										85°									
163.1 ft										177.8 ft																			
ft	29.5 ft		49.2 ft*			68.9 ft			88.6 ft*			ft	29.5 ft		49.2 ft*			68.9 ft			88.6 ft*								
	0°	0°	20°	40°	0°	0°	20°	40°	0°	20°	40°		0°	0°	20°	40°	0°	0°	20°	40°									
1,000 lb										1,000 lb																			
40	64.9	-	-	-	-	-	-	-	-	40	60.4	-	-	-	-	-	-	-	-	-									
48	57.6	55.0	-	-	40.3	-	-	-	-	48	54.9	50.9	-	-	-	-	-	-	-	-									
56	51.6	50.5	-	-	37.7	32.1	-	-	-	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	-	-	-	-									
72	43.3	42.8	29.8	22.5	33.1	28.0	-	-	-	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	-	-	-	-									
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	-	-	-									
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	-	-	-									
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	-	-	-									
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	-	-									
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	-	-									
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	-	-									
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	-	-									
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	-	-									
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	-	-									
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	-	-									
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	-	-									
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	-	-									
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	-	-									
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	-	-									
200	-	12.7	-	-	15.9	13.5	10.9	-	-	200	-	15.6	15.6	-	15.1	13.2	10.9	8.4	-	-									
208	-	-	-	-	13.9	12.9	10.8	-	-	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	-	-	-									
224	-	-	-	-	-	11.8	10.8	-	-	232	-	-	-	-	-	10.9	10.3	-	-	-									
240	-	-	-	-	-	7.5	-	-	-	248	-	-	-	-	-	7.5	-	-	-	-									

192.6 ft											
ft	29.5 ft		49.2 ft*			68.9 ft			88.6 ft*		
	0°	0°	20°	40°	0°	0°	20°	40°	0°	20°	40°
1,000 lb											
48	51.0	-	-	-	-	-	-	-	-	-	-
56	47.2	41.7	-	-	-	-	-	-	-	-	-
64	43.9	38.9	-	-	30.3	-	-	-	-	-	-
72	40.6	36.4	-	-	29.1	24.5	-	-	-	-	-
80	38.2	34.1	27.4	21.5	27.8	23.4	-	-	-	-	-
88	36.1	32.0	26.3	21.0	26.7	22.3	-	-	-	-	-
96	33.9	30.3	25.2	20.4	25.5	21.4	15.6	-	-	-	-
104	32.1	28.5	24.4	20.0	24.2	20.5	15.0	-	-	-	-
112	30.3	26.6	23.5	19.6	22.9	19.6	14.3	9.9	-	-	-
120	29.0	25.3	22.7	19.3	21.7	18.8	13.9	9.7	-	-	-
128	27.7	24.0	21.9	19.1	20.6	18.0	13.5	9.6	-	-	-
136	26.3	22.9	21.1	18.8	19.6	17.2	13.1	9.3	-	-	-
144	25.0	21.8	20.3	18.6	18.8	16.4	12.7	9.2	-	-	-
152	23.6	20.6	19.5	18.5	18.0	15.6	12.3	9.0	-	-	-
160	22.4	19.7	18.9	18.2	17.0	14.9	12.0	8.7	-	-	-
168	21.2	18.7	18.2	17.8	16.2	14.2	11.8	8.5	-	-	-
176	19.8	17.8	17.5	17.5	15.5	13.5	11.5	8.4	-	-	-
184	18.5	16.8	16.7	-	15.0	12.9	11.2	8.4	-	-	-
192	17.4	15.9	15.9	-	14.4	12.2	11.0	8.4	-	-	-
200	15.6	15.0	15.1	-	13.7	11.7	10.7	8.4	-	-	-
208	11.9	14.1	14.2	-	13.1	11.2	10.4	8.4	-	-	-
216	-	13.3	13.3	-	12.6	10.8	10.2	8.4	-	-	-
224	-	9.8	-	-	12.1	10.4	9.9	-	-	-	-
232	-	-	-	-	11.2	10.0	9.6	-	-	-	-
240	-	-	-	-	9.6	9.4	9.4	-	-	-	-
248	-	-	-	-	-	8.9	9.0	-	-	-	-
264	-	-	-	-	-	5.3	-	-	-	-	-

210.0 ft											
ft	29.5 ft		49.2 ft*			68.9 ft			88.6 ft*		
	0°	0°	20°	40°	0°	0°	20°	40° ¹⁾	0°	20°	40° ¹⁾
1,000 lb											
56	41.8	-	-	-	-	-	-	-	-	-	-
64	38.7	32.6	-	-	-	-	-	-	-	-	-
72	36.2	30.7	-	-	25.1	20.1	-	-	-	-	-
80	33.6	28.8	26.0	-	24.5	20.1	-	-	-	-	-
88	31.6	26.7	24.5	20.8	23.0	19.8	-	-	-	-	-
96	29.8	25.1	23.1	20.2	21.6	18.8	-	-	-	-	-
104	28.0	23.8	21.9	19.8	20.4	17.9	14.5	-	-	-	-
112	26.2	22.4	20.7	19.4	19.3	16.9	14.1	-	-	-	-
120	25.0	21.1	19.7	18.7	18.3	16.0	13.5	9.6	-	-	-
128	23.7	19.9	18.7	18.0	17.2	15.1	13.1	9.4	-	-	-
136	22.5	19.0	17.7	17.2	16.3	14.3	12.7	9.3	-	-	-
144	21.4	18.0	16.9	16.5	15.6	13.5	12.1	9.1	-	-	-
152	20.4	17.1	16.2	15.8	14.9	12.7	11.6	8.8	-	-	-
160	19.3	16.3	15.4	15.3	14.1	12.0	11.1	8.7	-	-	-
168	18.3	15.5	14.7	14.6	13.3	11.4	10.6	8.5	-	-	-
176	17.5	14.7	14.2	14.1	12.7	10.9	10.2	8.4	-	-	-
184	16.7	14.1	13.7	13.7	12.1	10.3	9.8	8.4	-	-	-
192	15.7	13.6	13.1	13.1	11.6	9.8	9.4	8.3	-	-	-
200	14.9	13.0	12.6	-	11.0	9.3	8.8	8.2	-	-	-
208	13.9	12.4	12.0	-	10.6	8.8	8.4	8.1	-	-	-
216	12.9	11.7	11.5	-	10.2	8.4	8.2	7.9	-	-	-
224	8.8	11.1	11.0	-	9.9	8.1	7.8	7.7	-	-	-
232	-	10.0	10.4	-	9.4	7.8	7.4	-	-	-	-
240	-	7.8	-	-	9.0	7.4	7.1	-	-	-	-
248	-	-	-	-	8.5	7.0	6.9	-	-	-	-
256	-	-	-	-	7.9	6.6	6.6	-	-	-	-
272	-	-	-	-	-	5.7	6.3	-	-	-	-



28.5 ft x 27.9 ft													360°			85%			
44.9 ft																			
ft	49.2 ft		68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft		147.6 ft		167.3 ft*			ft
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°	0°	20°	40°	
1,000 lb																			
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	7.1	-	-	-	176
192	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	-	-	-	192

118.8 ft																			
ft	49.2 ft		68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft		147.6 ft		167.3 ft*			ft
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°	0°	20°	40°	
1,000 lb																			
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																	
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			ft	
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°		40°
1,000 lb																	
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																
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			ft
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	
1,000 lb																
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

28.5 ft x 27.9 ft													360°			85%		
163.1 ft																		
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			ft		
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°		40°	
1,000 lb																		
48	55.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	
56	51.0	47.6	-	-	40.0	-	-	-	-	-	-	-	-	-	-	-	56	
64	46.7	44.5	-	-	37.2	-	-	31.7	-	-	-	-	-	-	-	-	64	
72	43.3	41.5	29.8	-	34.9	-	-	29.6	-	-	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	9.5	-	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	9.3	-	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	9.1	-	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	8.8	-	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	8.5	-	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	8.2	-	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	7.8	-	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	7.4	-	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	7.0	-	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	6.7	-	200	
208	-	12.3	-	-	12.7	13.1	-	11.7	11.8	-	10.6	8.5	6.8	6.5	6.5	-	208	
224	-	-	-	-	10.8	-	-	10.4	10.6	-	9.8	7.8	5.9	5.7	5.8	-	224	
240	-	-	-	-	-	-	-	8.9	9.1	-	8.9	7.1	5.4	5.2	5.4	-	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																	
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			ft	
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°		40°
1,000 lb																	
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	-	-	-	-	272
288	-	-	-	-	-	-	-	-	-	-	-	4.0	-	-	-	-	288

28.5 ft x 27.9 ft															360°			85%		
192.6 ft																				
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			ft				
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°		40°			
1,000 lb																				
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		
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft			ft	
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°		40°
1,000 lb																	
64	32.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72	30.3	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72
80	28.3	24.2	-	-	20.6	-	-	16.7	-	-	12.8	-	-	-	-	-	80
88	26.3	22.6	21.2	-	19.4	-	-	16.2	-	-	12.8	9.0	-	6.0	-	-	88
96	24.7	21.1	19.9	19.3	18.2	17.4	-	15.7	-	-	12.8	9.0	-	6.0	-	-	96
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	-	-	104
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	-	-	112
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	-	-	120
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	-	-	128
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	-	-	136
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	-	-	144
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	-	-	152
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	-	-	160
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	-	-	168
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	-	-	176
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	-	-	184
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	-	-	-	-	192
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	-	-	-	-	200
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	-	-	-	-	208
216	11.3	9.3	9.1	-	7.3	7.3	7.3	5.8	5.8	6.0	5.3	4.0	-	-	-	-	216
224	10.5	8.8	8.6	-	6.9	7.0	-	5.5	5.5	5.7	4.9	-	-	-	-	-	224
232	9.2	8.2	8.2	-	6.5	6.5	-	5.2	5.2	5.2	4.5	-	-	-	-	-	232
240	6.6	7.7	7.8	-	6.3	6.1	-	4.9	4.9	4.9	4.1	-	-	-	-	-	240
248	-	6.9	7.4	-	5.8	5.8	-	4.6	4.6	-	4.0	-	-	-	-	-	248
264	-	-	-	-	5.0	5.2	-	3.9	3.9	-	-	-	-	-	-	-	264
280	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	-	-	280

* 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																		
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			ft		
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°		40°	
1,000 lb																		
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																
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			ft
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	
1,000 lb																
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																		
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			ft		
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°		40°	
1,000 lb																		
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		

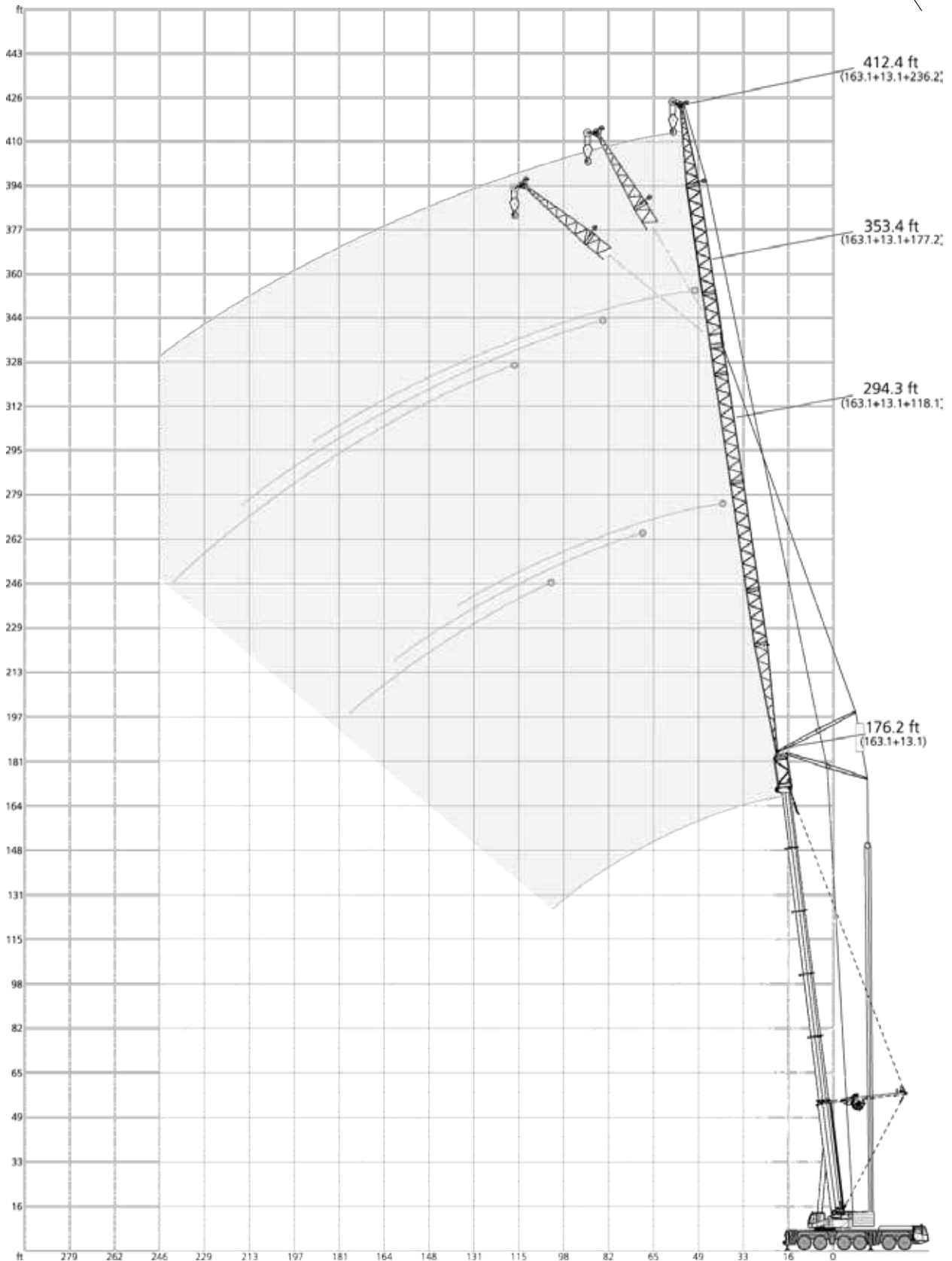
210.0 ft														
ft	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	ft	
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°		0°
1,000 lb														
48	31.0	25.7	-	-	-	-	-	-	-	-	-	-	-	48
56	29.6	24.4	-	-	19.8	-	-	-	-	-	-	-	-	56
64	28.3	23.5	-	-	19.3	-	-	15.2	-	-	-	-	-	64
72	27.1	22.5	23.0	-	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°		
ft	1,000 lb															ft		
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	15.8	-	-	152	
160	-	33.1	33.3	27.2	30.1	30.6	23.8	24.9	25.3	19.8	20.6	-	15.5	15.6	-	-	160	
168	-	-	31.3	24.5	29.0	29.9	22.6	24.1	24.6	19.1	19.9	-	14.9	15.2	-	-	168	
176	-	-	29.4	-	27.4	28.3	21.2	23.3	23.9	18.4	19.3	19.9	14.2	14.8	-	-	176	
184	-	-	-	-	-	26.6	19.8	22.3	23.2	17.7	18.6	19.3	13.7	14.3	14.8	-	184	
192	-	-	-	-	-	25.1	-	21.4	22.5	17.1	18.0	18.6	13.1	13.8	14.2	-	192	
200	-	-	-	-	-	-	-	20.5	21.6	16.5	17.4	17.9	12.7	13.2	13.7	-	200	
208	-	-	-	-	-	-	-	-	20.7	16.0	17.0	17.5	12.3	12.8	13.2	-	208	
216	-	-	-	-	-	-	-	-	-	-	16.6	17.0	11.9	12.4	12.8	-	216	
224	-	-	-	-	-	-	-	-	-	-	-	16.5	11.7	12.1	12.4	-	224	
232	-	-	-	-	-	-	-	-	-	-	-	-	-	11.8	12.0	-	232	
240	-	-	-	-	-	-	-	-	-	-	-	-	-	11.4	11.8	-	240	
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																		
ft	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			ft		
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°			
1,000 lb																		
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		

ft	157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			ft
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
1,000 lb																
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%									
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	-	-	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																
ft	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			ft
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
1,000 lb																
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

ft	157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			ft
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
1,000 lb																
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	-	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																					
ft	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			ft					
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°						
1,000 lb																					
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				

ft	157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			ft	
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°		
1,000 lb																	
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	-	-	80		
88	38.8	-	-	36.6	-	-	28.9	-	-	22.0	-	-	88		
96	-	-	-	36.6	-	-	28.9	-	-	22.0	-	-	96		
104	-	31.9	-	-	-	-	28.9	-	-	22.0	-	-	104		
112	-	30.1	-	-	30.1	-	28.9	24.7	-	22.0	-	-	112		
120	-	-	-	-	28.6	-	-	24.7	-	22.0	18.3	-	120		
128	-	-	-	-	-	-	-	24.4	-	22.0	18.3	-	128		
136	-	-	-	-	-	-	-	23.5	-	22.0	18.3	-	136		
144	-	-	-	-	-	-	-	22.7	-	-	18.3	-	144		
152	-	-	-	-	-	-	-	-	19.1	-	18.3	-	152		
160	-	-	-	-	-	-	-	-	18.3	-	18.2	15.9	160		
168	-	-	-	-	-	-	-	-	-	-	15.5	-	168		
176	-	-	-	-	-	-	-	-	-	-	15.1	-	176		
184	-	-	-	-	-	-	-	-	-	-	14.5	-	184		
192	-	-	-	-	-	-	-	-	-	-	-	-	192		
200	-	-	-	-	-	-	-	-	-	-	-	-	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	-	-	104
112	17.6	-	-	13.4	-	-	9.9	-	-	7.5	-	-	112
120	17.6	-	-	13.4	-	-	9.9	-	-	7.5	-	-	120
128	17.4	-	-	13.4	-	-	9.9	-	-	7.5	-	-	128
136	17.2	-	-	13.4	-	-	9.9	-	-	7.5	-	-	136
144	17.0	13.9	-	13.4	-	-	9.9	-	-	7.5	-	-	144
152	16.7	13.9	-	13.2	9.7	-	9.9	-	-	7.5	-	-	152
160	16.5	13.7	-	13.1	9.7	-	9.9	6.6	-	7.5	-	-	160
168	16.2	13.5	-	12.9	9.7	-	9.9	6.6	-	7.5	4.4	-	168
176	16.1	13.3	-	12.8	9.7	-	9.9	6.6	-	7.5	4.4	-	176
184	-	13.0	11.0	12.8	9.7	-	9.9	6.6	-	7.5	4.4	-	184
192	-	12.5	10.5	12.7	9.7	-	9.9	6.6	-	7.5	4.4	-	192
200	-	12.2	9.9	-	9.7	7.6	9.9	6.6	-	7.5	4.4	-	200
208	-	-	9.5	-	9.6	7.3	9.9	6.6	4.9	7.5	4.4	-	208
216	-	-	9.1	-	9.5	7.1	9.9	6.6	4.9	7.5	4.4	-	216
224	-	-	8.7	-	-	7.0	-	6.6	4.9	7.5	4.4	-	224
232	-	-	-	-	-	6.8	-	6.6	4.9	7.5	4.4	-	232
240	-	-	-	-	-	6.5	-	6.6	4.9	-	4.4	-	240
248	-	-	-	-	-	-	-	-	4.7	-	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	-	-	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	-	-	-	-	-	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	-	-	-	-	-	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																					
ft	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			ft					
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°						
1,000 lb																					
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			

ft	157.5 ft			177.2 ft			196.9 ft**			216.5 ft			236.2 ft**			ft	
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°		
1,000 lb																	
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	-	-	16.5	-	-	-	-	-	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		-	-	-	-	-	-	-	-	-	-	11.8	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

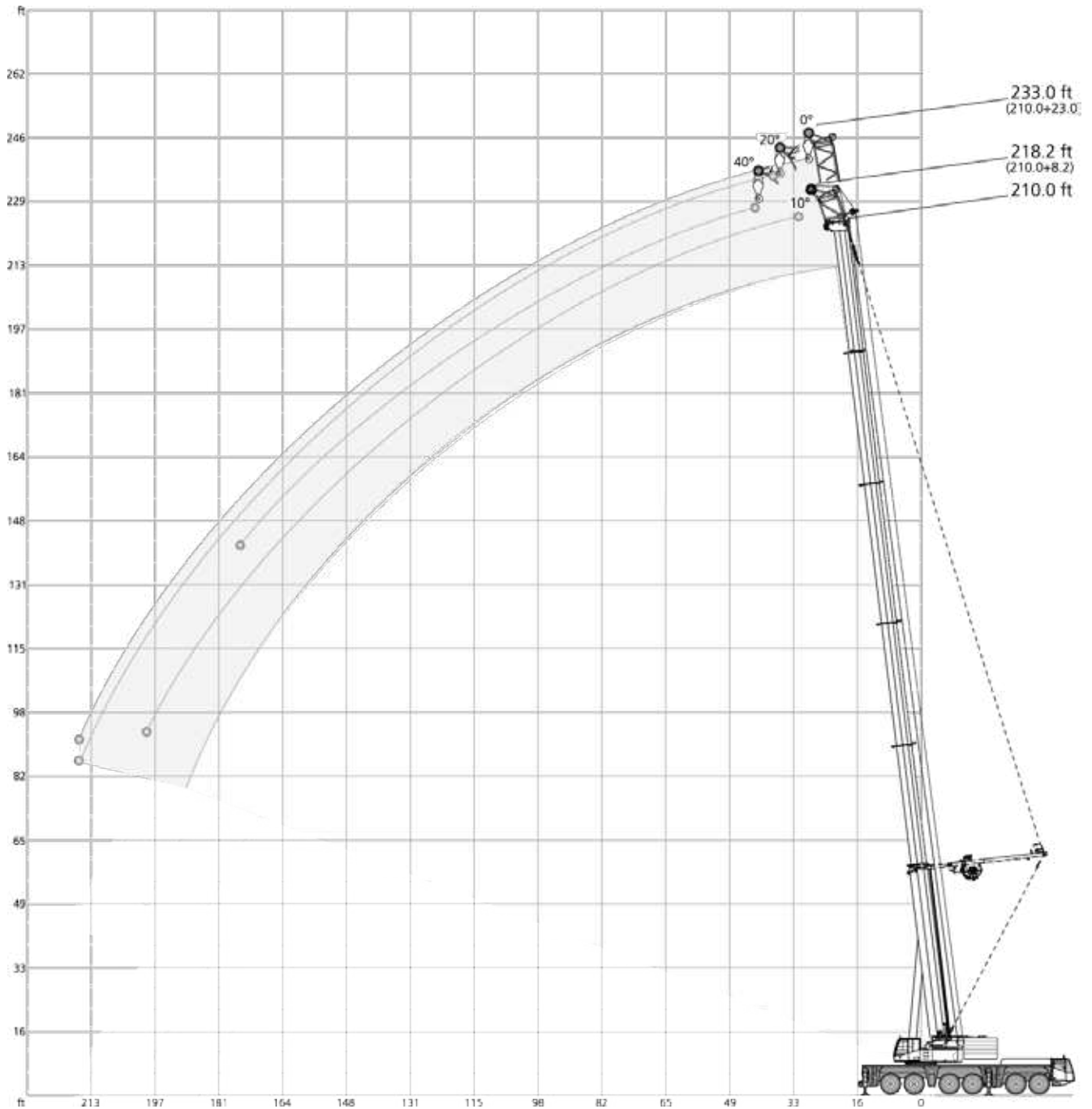
119,700 lb 165,600 lb 211,400 lb 257,300 lb

		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		1,000 lb												ft	
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		1,000 lb												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	

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 * MS-A

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*			
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

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.
Fuel tank 630	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.
Wheels 38595 170F	385/95R25 170F (14.00R25); Steel rims 9,50-25/1,7" CR.
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-dependant	Engine-dependant warm water heating with 12 kW heating power.
Aircondition	Aircondition for carrier cab with 7 kW cooling power.
Drive lights	With low beam, upper beam.
Cruise control	Automatic speed control including automatic brake control.
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; Different operating modes selectable.
H1	Hoist with spring-loaded multi-disc brake; Twist prevention for rope; Resolver (hoist rotation indicator).
Counterweight 35	76,500 lb, 4 pieces; Automatic rigging system; Expandable to max. 257,300 lb.
Outriggers	H-4-Point design; 4 outriggers telescopic; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively; 4 outrigger bases.
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.
Drive	Hydraulic system with power control; Hydraulic oil cooler.
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-dependant	Engine-dependant 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

Engine 440-3b	MTU; Output 440 kW (598 HP), torque 2800 Nm, certifications in accordance with EURO MOT 3b, TIER 4i, CARB; MTU (Mercedes) exhaust system made of stainless steel with SCR catalytic converter.
Fuel tank 630-95	166 gallons Diesel, 25 gallons Ad-Blue (in carrier) + 11 gallons Ad-Blue (in superstructure); Supplies Diesel for carrier and crane (13 gallons Diesel buffer tank at crane).
Additional fuel tank	Additional fuel tank à 79 gallons, for total 245 gallons Diesel.

Superstructure

Engine 210-3b	MTU; Output 210 kW (286 HP), torque 1120 Nm, certifications in accordance with EURO MOT 3b, TIER 4i, CARB; MTU (Mercedes) exhaust system made of stainless steel with SCR catalytic converter.
Quick connection HA 3	Hydraulic bolt extractors and hydraulic and electric quick couplings for fast (dis-) assembly; Incl. transport storage for luffing cylinder.
S1 Heavy lift attachment, stage 1	Heavy lift attachment stage 1; 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 counter-weight 82	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.
Outrigger basis monitoring	Individual monitoring of horizontal stroke; Deviation warning in crane cab.

Extensions

WIHI72A	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.
SF51A	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.
LF27A	88.6 ft; Light fixed jib; Increments 19.7 ft; With integrated manual offset section 20° / 40°; System dimension Q1309; 2-sheave 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).
HAV20	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).
Swing-away rooster sheave	1 sheave; Incl. transport storage; For single-reeving operation with elevated hook height.

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.

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

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

Effective Date: April 2016.

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

Copyright Terex Cranes 2016



Terex Cranes
Global Marketing
Dinglerstraße 24 · 66482 Zweibrücken / Germany
Phone +49 (0) 6332 830
Email: info.cranes@terex.com

www.terex.com/cranes