

AC 350-6



All Terrain Crane

400UST CAPACITY CLASS

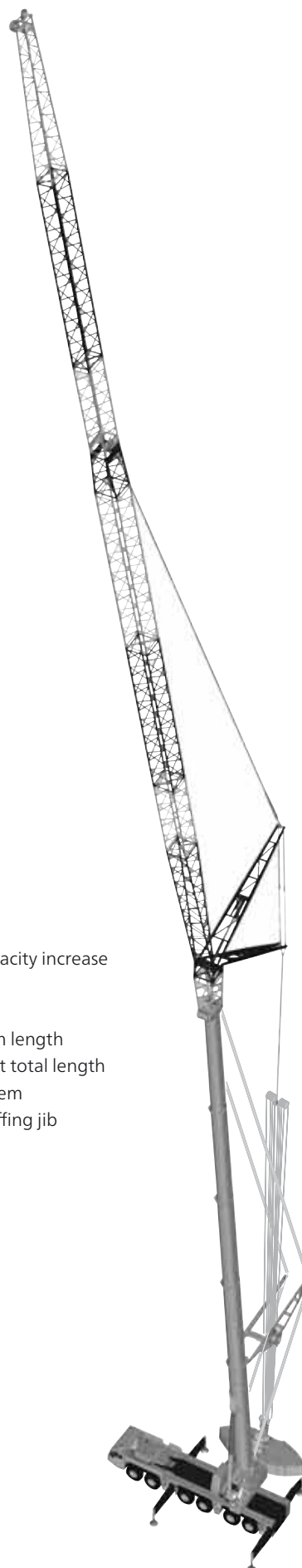
	Page:
Specifications	4
 HA Main boom	13
HA-SL Main boom with SL	14
 HAV Folding swing-away jib	22
HAV-SL Folding swing-away jib with SL	25
 LF Light fixed jib	26
LF-A Light fixed jib with offset section	27
 SF Strong fixed jib	29
SF-A Strong fixed jib with offset section	30
SF-SL Strong fixed jib with 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		Slewing
	Lifting capacities on outriggers · 360°		Boom telescoping
	Radius		Boom elevation
	Main boom		Angle of extension
	Folding swing-away jib		Workings speeds
	Fixed fly jib		Max. line pull
	Luffing fly jib		Rope diameter
	Runner		Rope length
	Adapter		Hook block (capacity-sheaves-rope diameter)
	Max. axle loads		Number of lines
	Mechanism		Possible load of hook block
	Tires		Weight of hook block
	Hook block		Distance head sheave axle – hook ground
	Hoist		Number of sheaves in boom head
	Dolly		Supporting force
	Superlift		Length of stroke (support cylinders)
	Travel speed		Front outrigger
	Gradeability – road		Rear outrigger
	Gradeability – off road		

HIGHLIGHTS

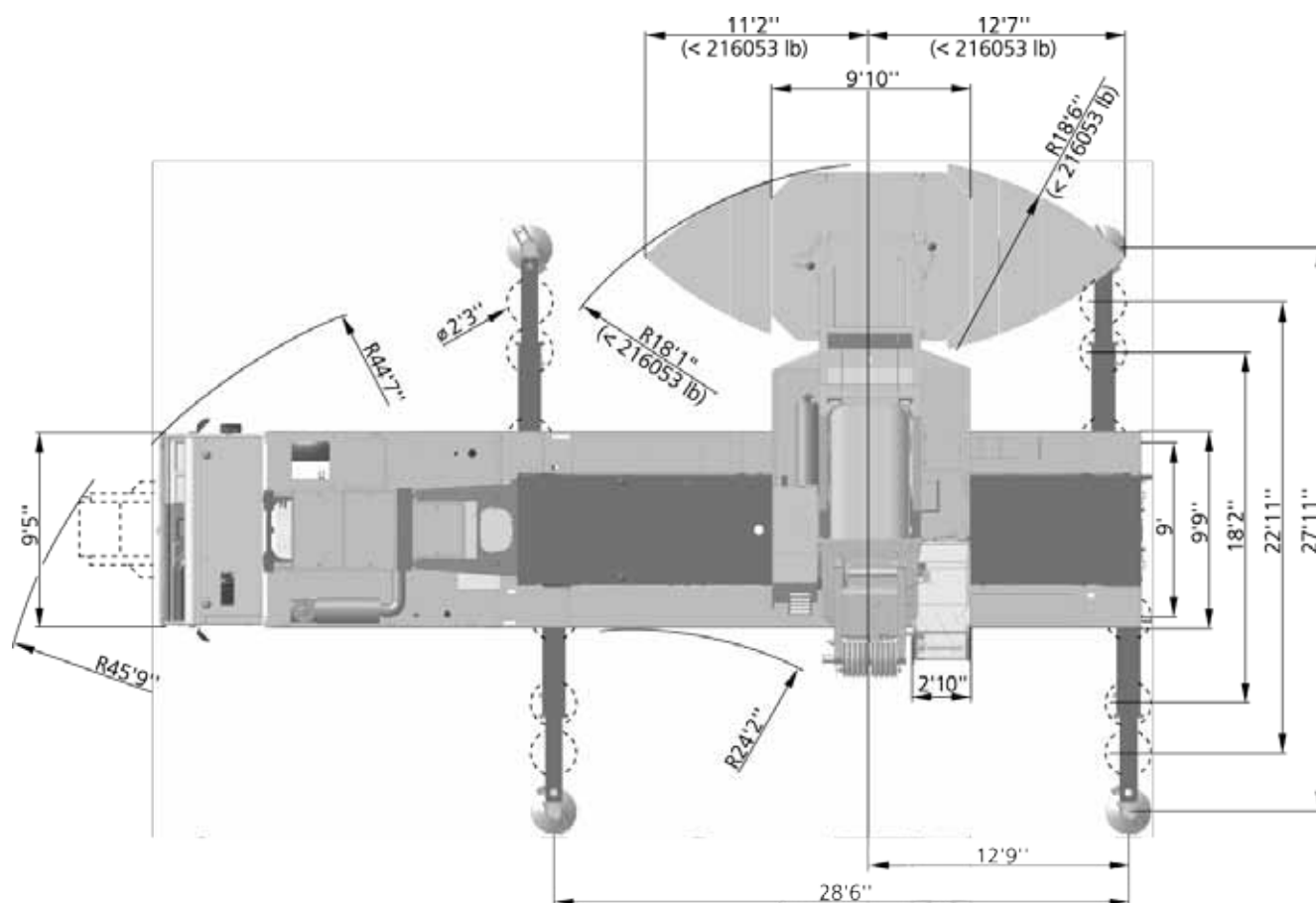
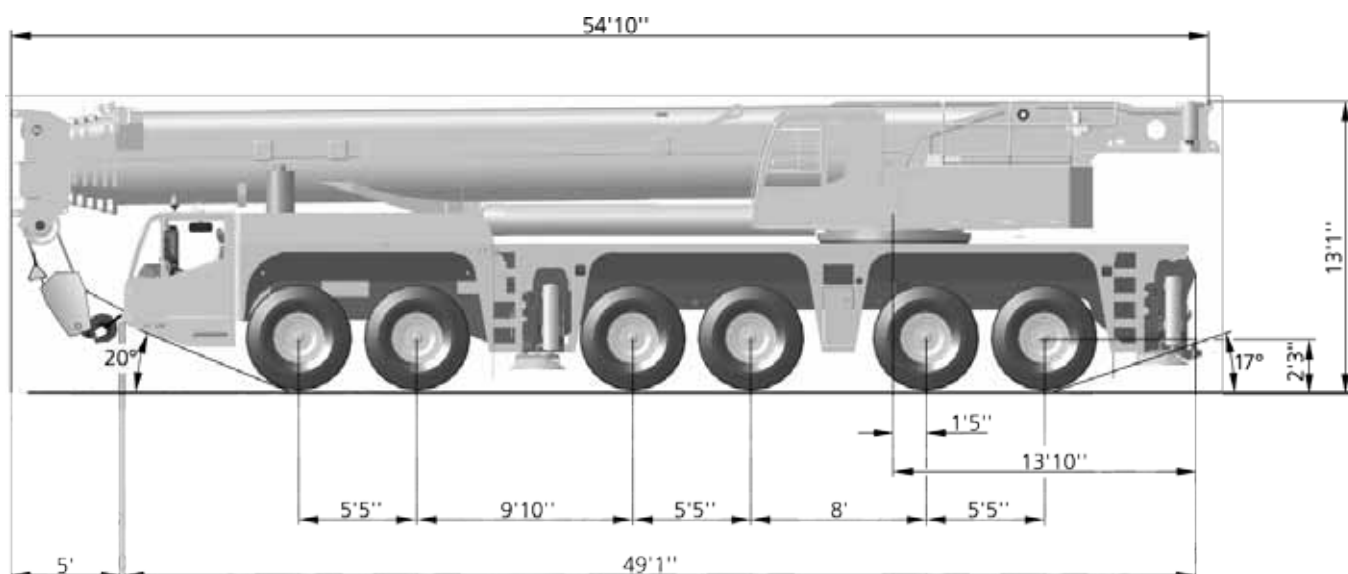
AC 350-6

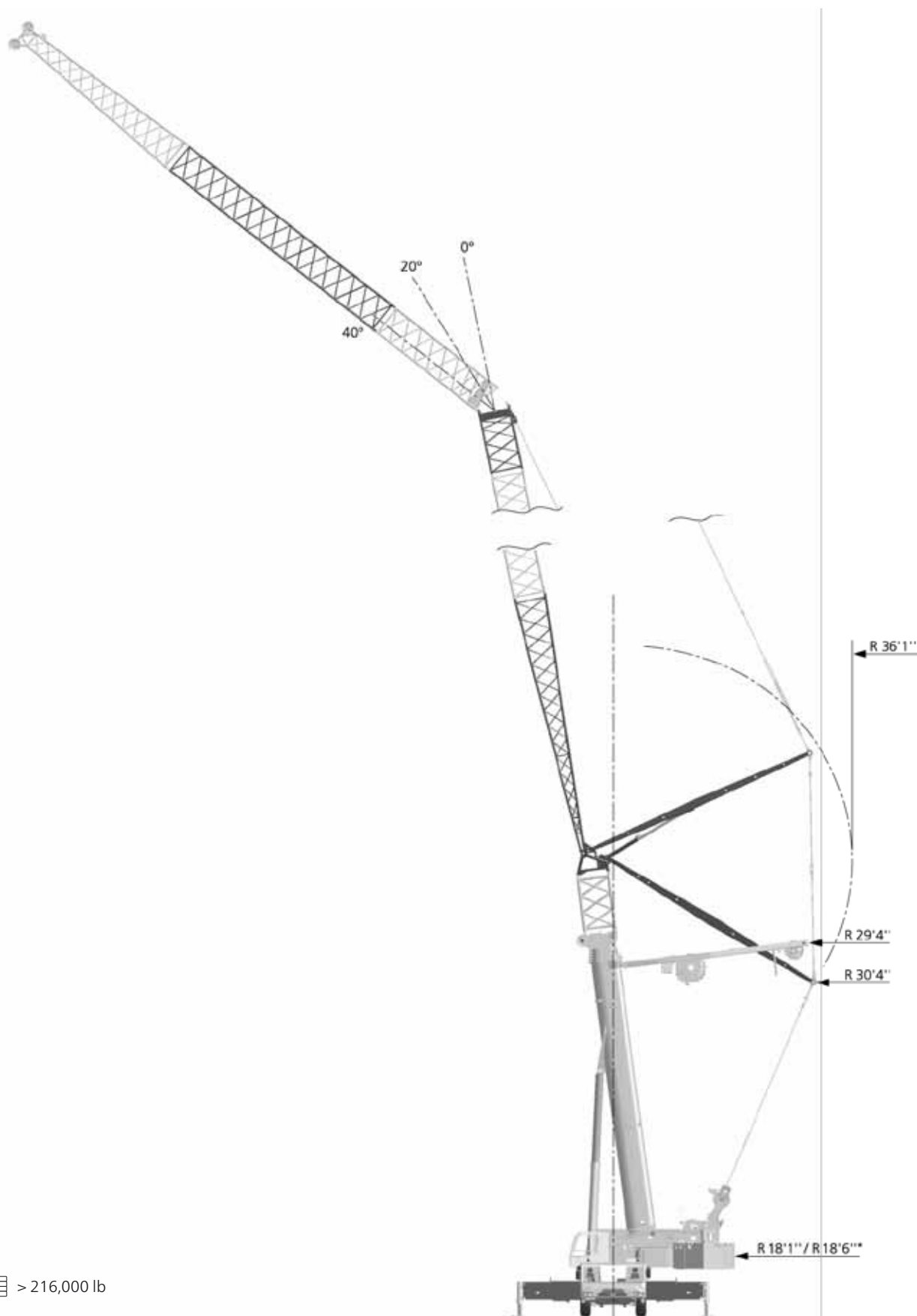
- ▶ Superlift main boom guy for additional capacity increase
- ▶ 210.0 ft main boom
- ▶ System length up to 412.4 ft
- ▶ Up to 275.6 ft class leading roadable system length
- ▶ Most compact 6-axle crane with only 54.8 ft total length
- ▶ Fully automatic counterweight rigging system
- ▶ Quickest and safest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



DIMENSIONS

AC 350-6

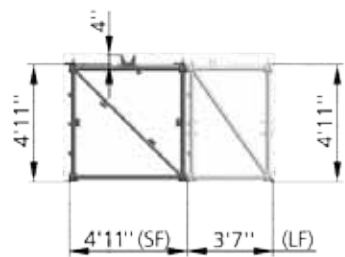
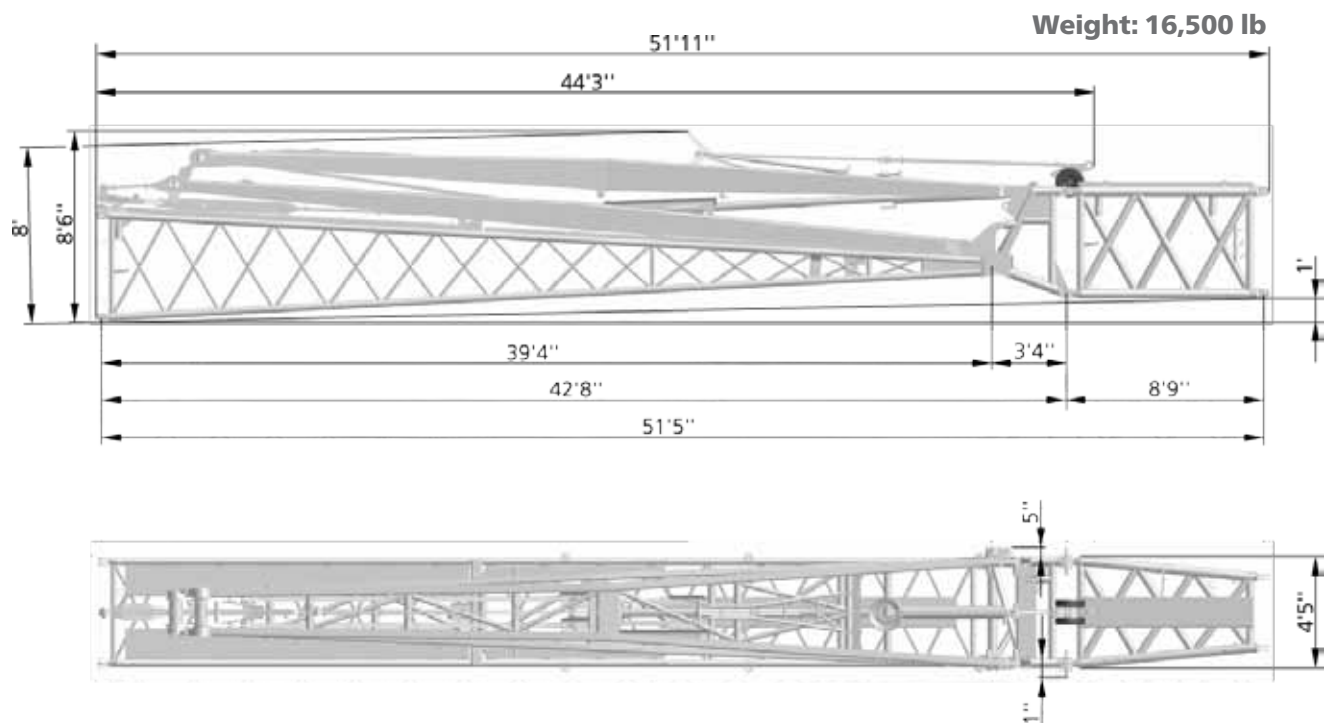




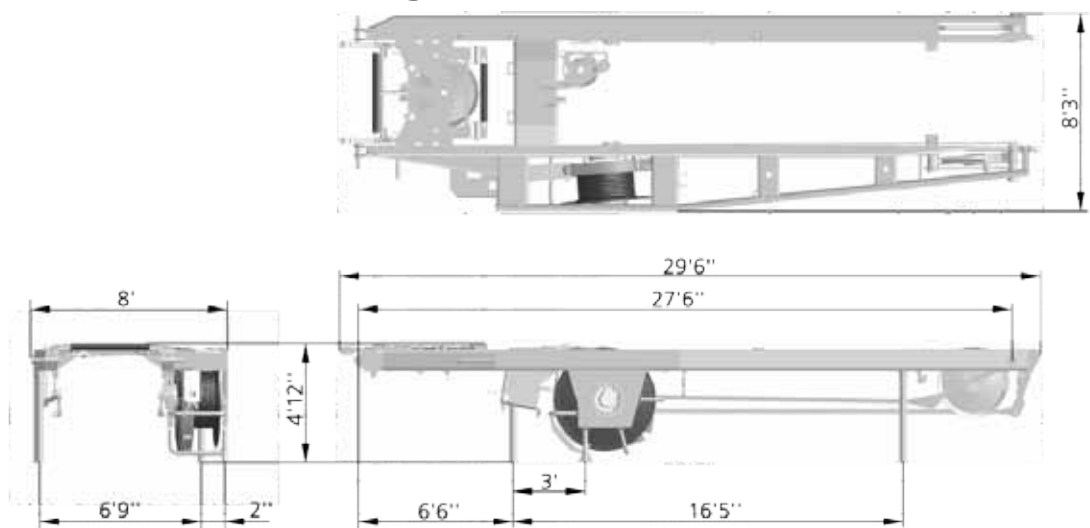
*  > 216,000 lb

DIMENSIONS

AC 350-6



Weigh: 12,800 lb



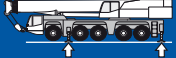
SPECIFICATIONS

AC 350-6

									
	Total								
< 26,500 lb	On request and technical verification								X
26,500 lb	158,800 lb	12 x 8 x 10	525/80 R25	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 %

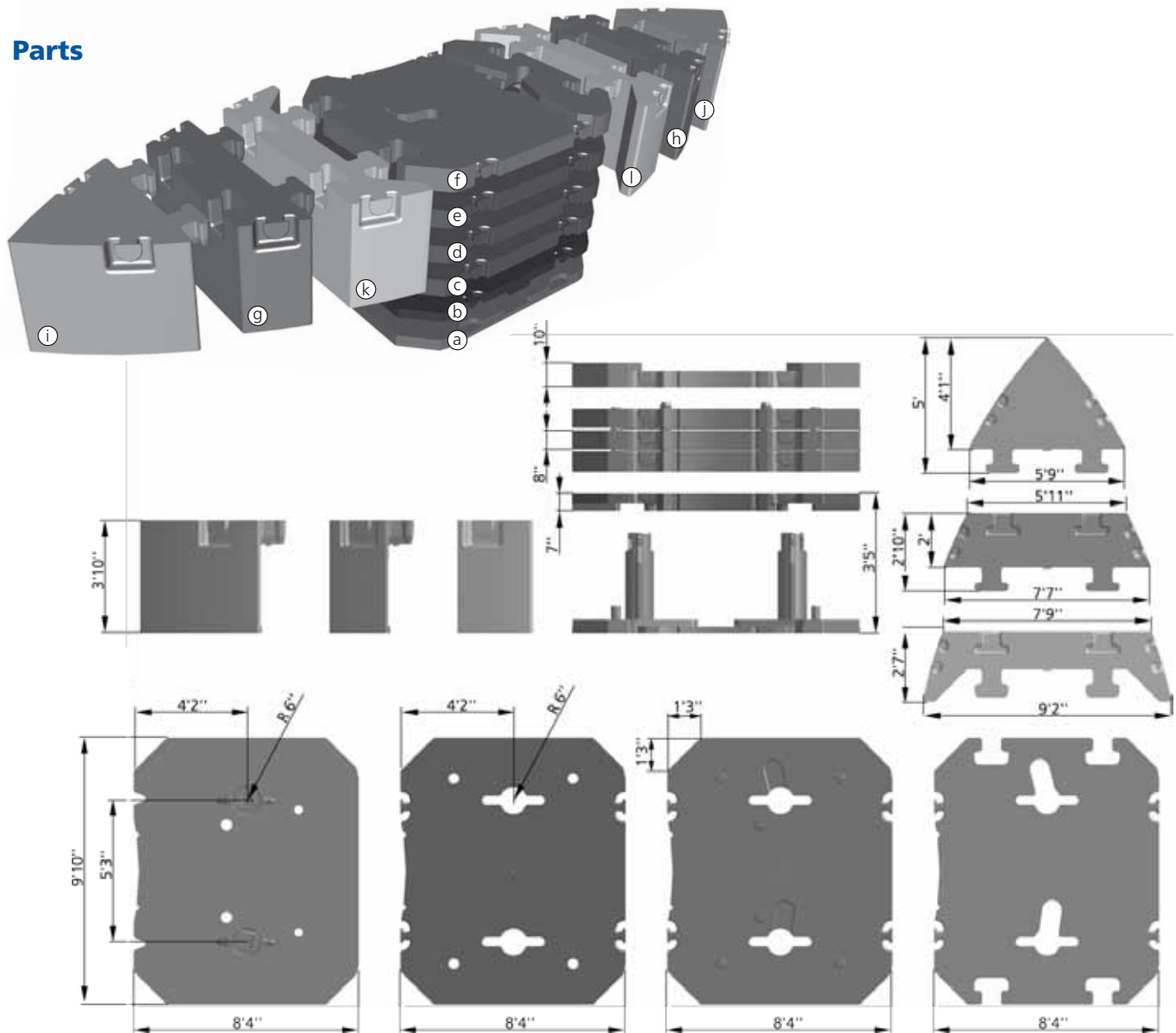
				
				
1	381 ft/min	25,600 lbf	0.91"	1247 ft
2	381 ft/min	25,600 lbf	0.91"	1591 ft
	1,0 min ⁻¹			
	440 s (44.9-210 ft)			
	60 s (0°-83°)			

					
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



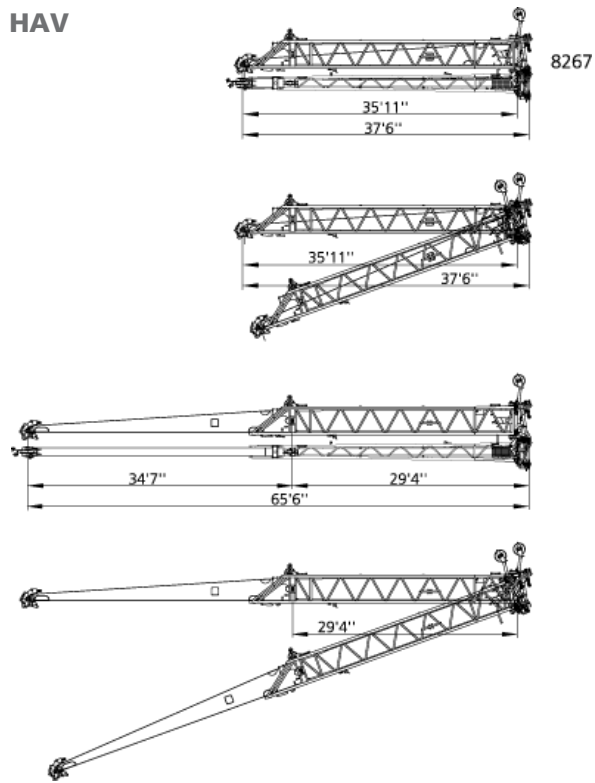
Configurations

	Ⓐ 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

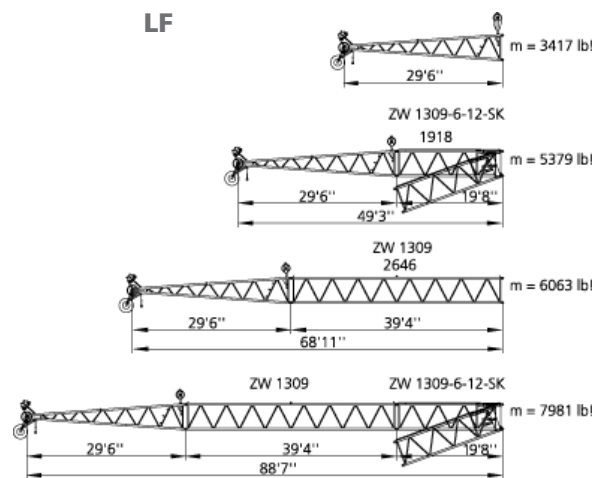
BOOM COMBINATIONS

AC 350-6

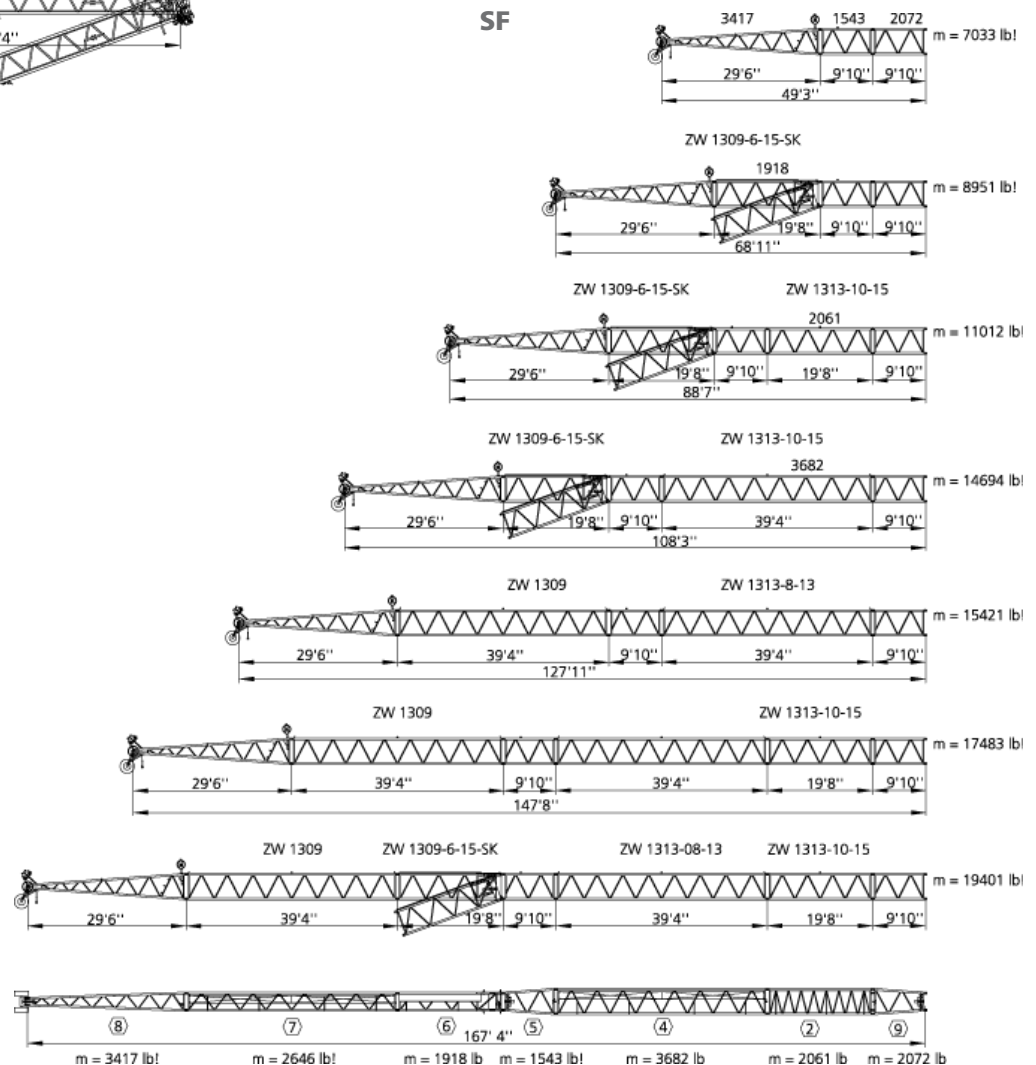
HAV



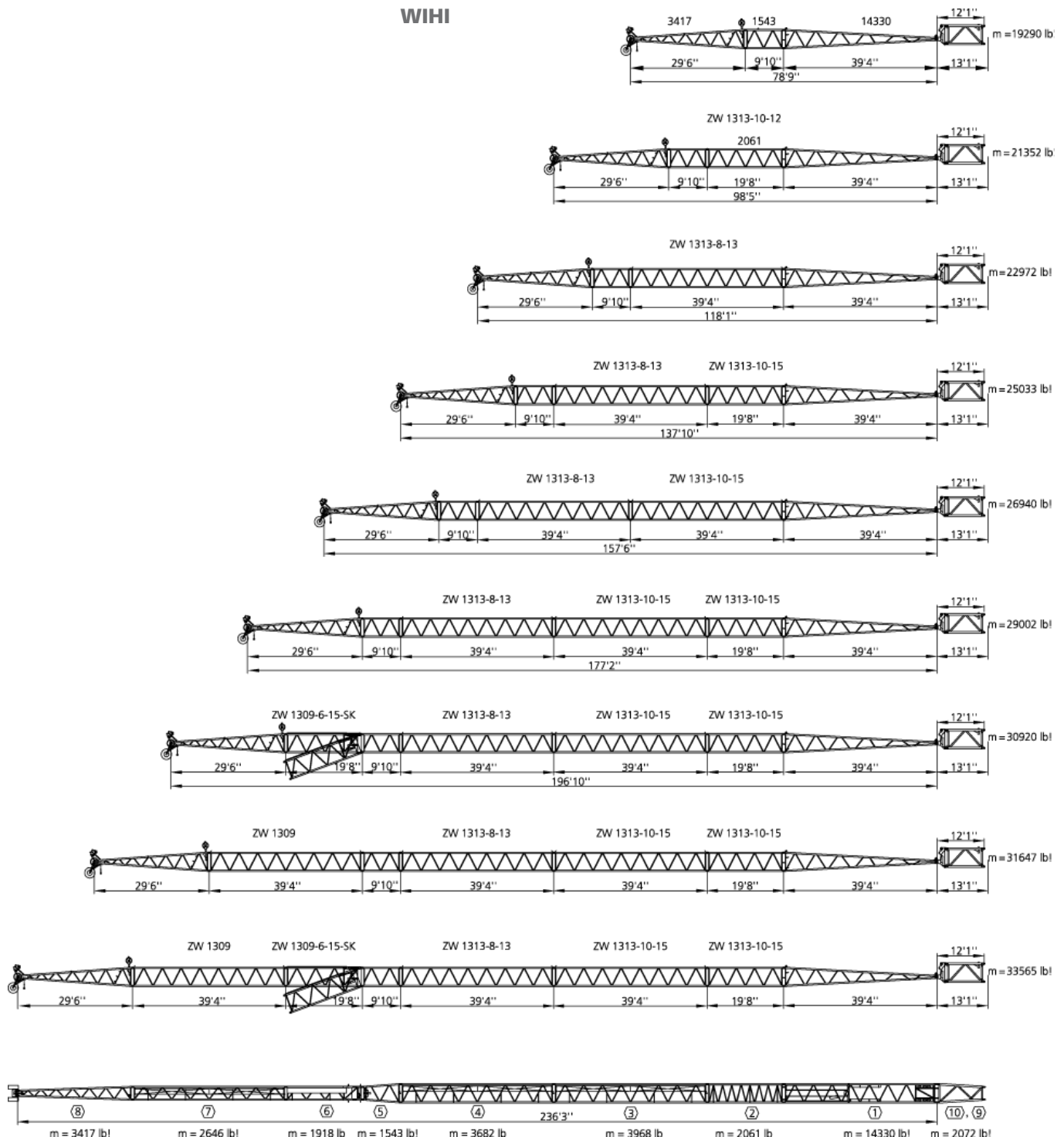
LF



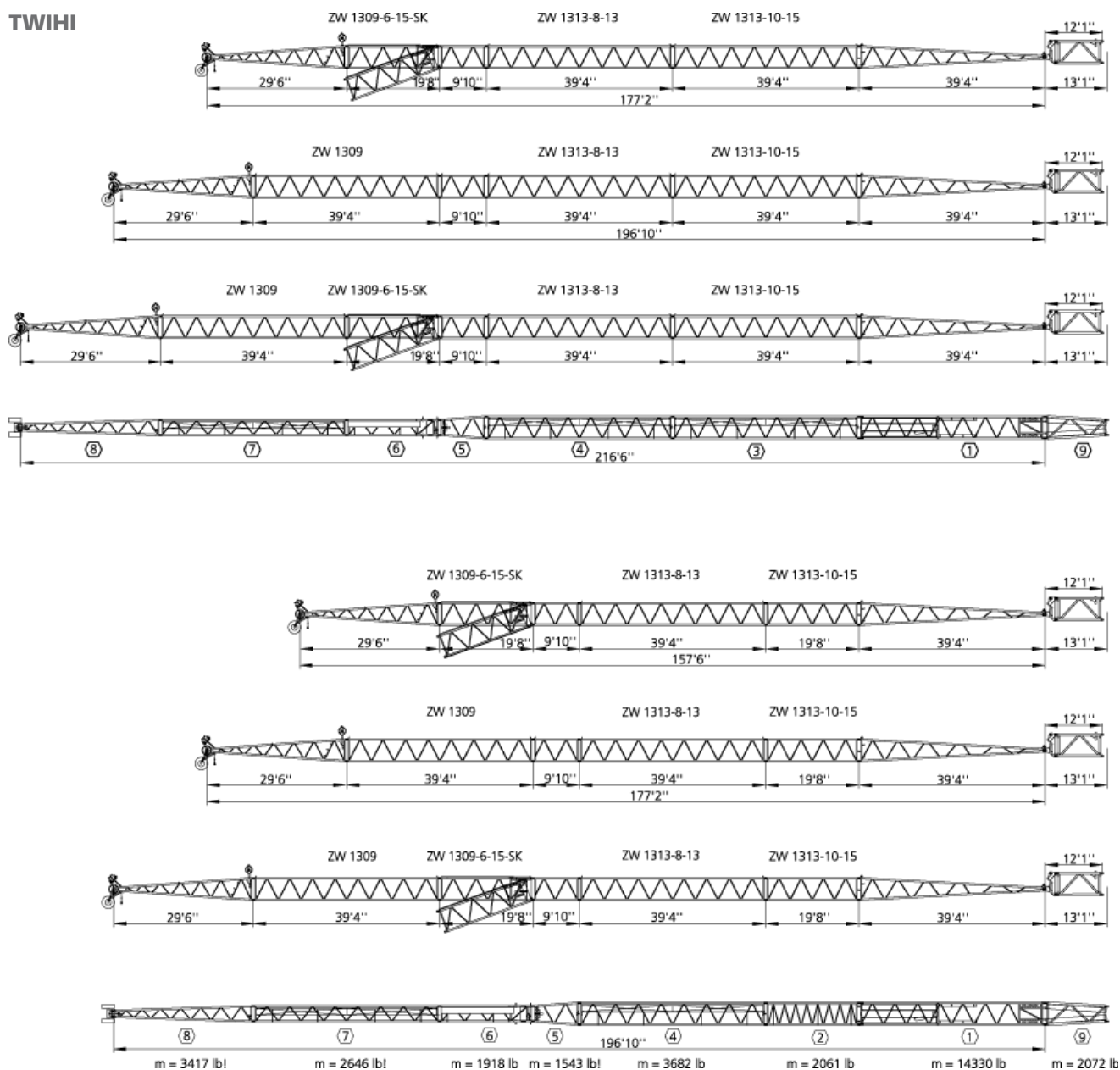
SF



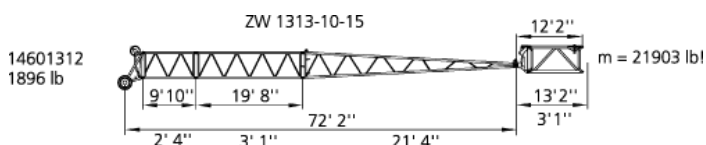
WIHI



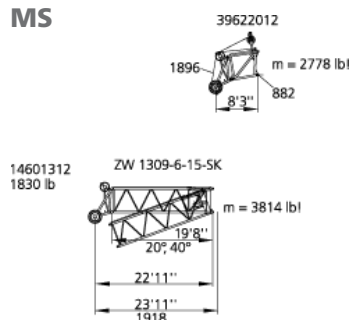
TWIHI

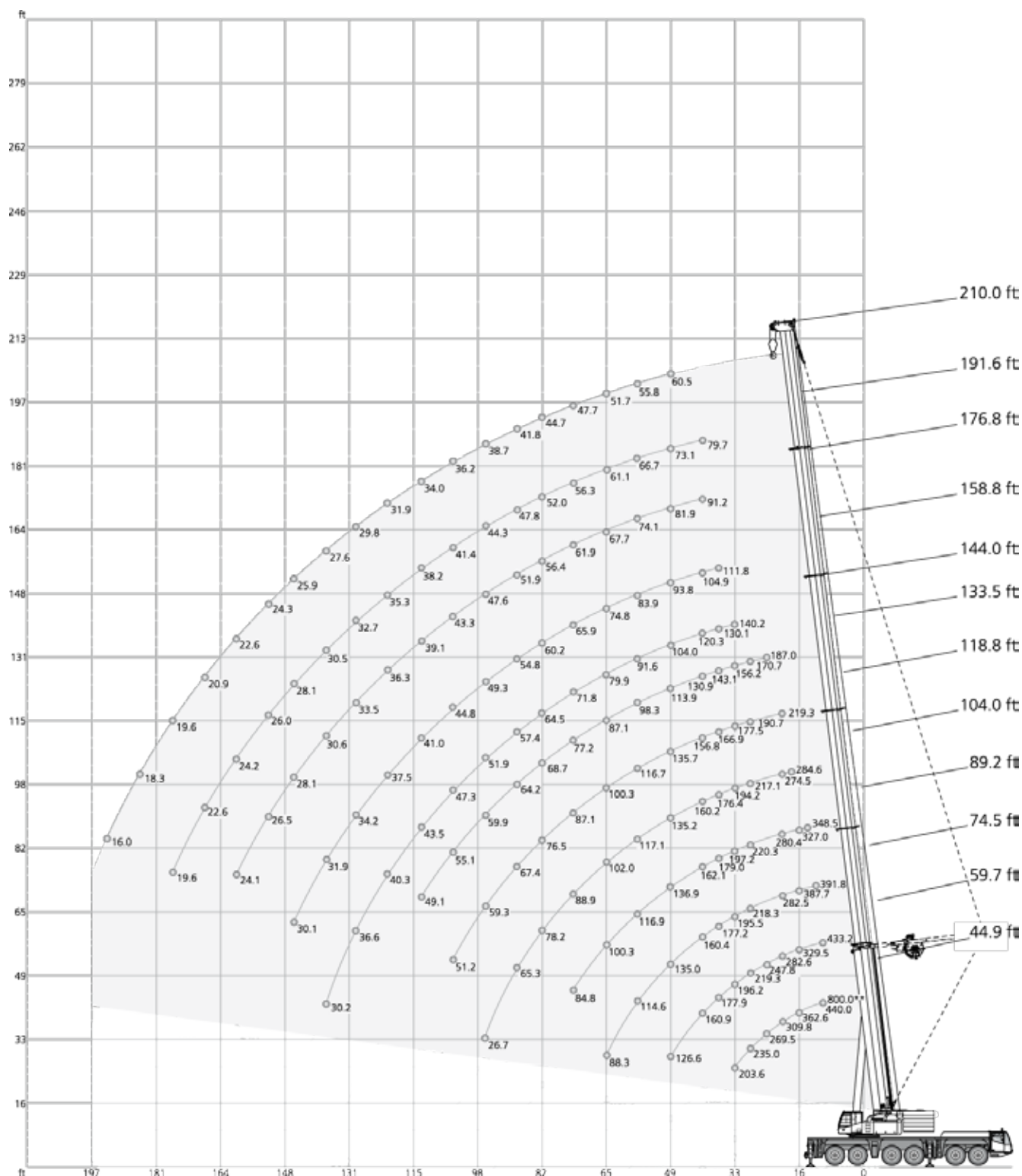
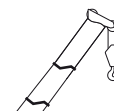


SWIHI



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

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

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

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

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

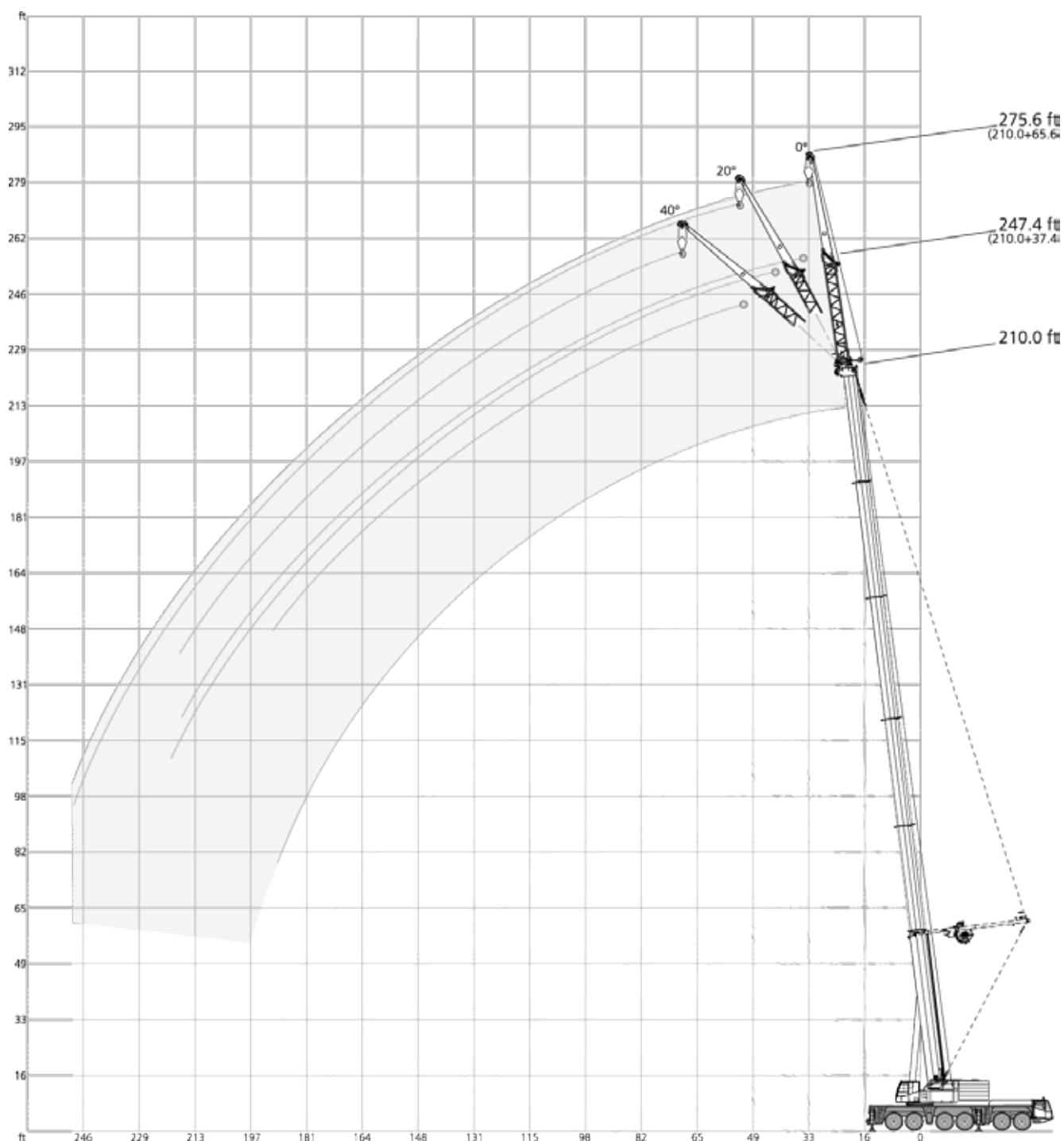
 54,200 lb		 28.5 ft x 27.9 ft		360°										85 %	
		44.9 ft	59.7 ft	74.5 ft	89.2 ft	104.0 ft	118.8 ft	133.5 ft	144.0 ft	158.8 ft	176.8 ft	191.6 ft	210.0 ft		
ft		1,000 lb												ft	
10		405.9	407.0	-	-	-	-	-	-	-	-	-	-	10	
12		367.9	369.0	368.3	-	-	-	-	-	-	-	-	-	12	
14		335.4	336.5	336.5	334.8	-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

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

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

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

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



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

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

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

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

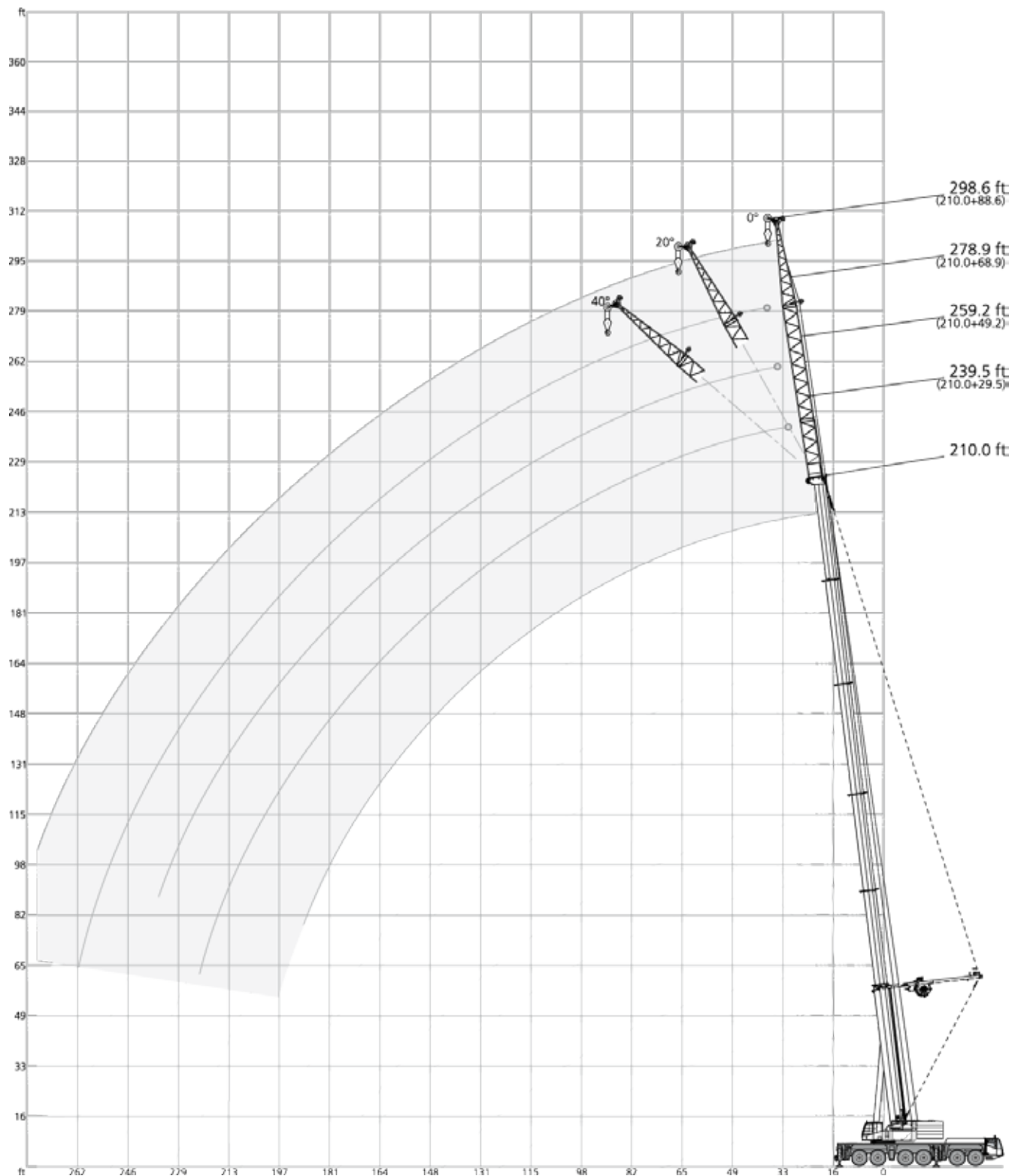

 32,000lb
 
 39,900lb
 
 54,200lb
 
 76,500lb
 
 98,800lb
 
 119,700lb
 
 165,600lb
 
 211,400lb
 
 257,300lb

 28.5 ft x 27.9 ft								360°								85%			
 118.8 ft								 177.8 ft											
		37.4 ft			65.6 ft					37.4 ft			65.6 ft						
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°				
ft		1,000 lb						ft		1,000 lb									
24		50.5	-	-	-	-	-	36		50.5	-	-	-	-	-				
28		50.5	-	-	40.0	-	-	40		50.4	-	-	29.9	-	-				
32		50.5	-	-	38.1	-	-	48		49.7	46.6	-	28.5	-	-				
36		50.5	-	-	36.3	-	-	56		48.4	44.6	-	27.3	-	-				
40		50.5	50.4	-	34.5	-	-	64		46.8	42.9	34.0	26.1	-	-				
48		50.5	49.8	38.0	31.1	-	-	72		45.0	41.3	32.9	24.9	17.7	-				
56		50.5	47.9	36.0	28.4	18.8	-	80		43.4	39.9	31.8	23.9	17.1	13.4				
64		50.2	44.7	34.3	25.8	17.6	-	88		41.8	38.6	31.0	22.8	16.4	12.9				
72		49.2	41.7	32.9	23.2	16.8	13.5	96		40.3	37.2	30.1	21.7	15.8	12.6				
80		48.3	39.8	31.6	21.8	16.0	13.1	104		39.0	36.1	29.2	20.8	15.3	12.6				
88		47.2	37.7	30.6	20.3	15.2	12.7	112		37.6	35.0	28.6	19.8	14.7	12.3				
96		45.0	35.7	29.8	18.9	14.6	12.4	120		36.3	33.9	28.2	18.9	14.2	12.1				
104		42.2	34.3	29.0	17.6	14.2	12.2	128		33.8	33.0	27.8	18.0	13.8	11.9				
112		39.5	33.0	28.6	16.5	13.6	12.1	136		30.1	31.3	27.2	17.2	13.5	11.7				
120		36.8	31.9	28.4	15.7	13.1	11.8	144		26.6	28.2	26.7	16.1	13.2	11.7				
128		34.5	31.0	-	14.9	12.7	11.7	152		23.7	25.2	25.8	15.6	12.8	11.7				
136		29.4	30.5	-	14.1	12.4	11.7	160		21.1	22.3	23.0	15.0	12.5	11.6				
144		21.3	24.2	-	13.5	12.1	11.7	168		18.6	19.7	20.3	14.5	12.3	11.5				
152		-	-	-	13.0	11.9	-	176		16.6	17.3	-	14.0	12.2	11.5				
160		-	-	-	12.6	11.9	-	184		14.4	15.4	-	13.4	11.9	11.5				
168		-	-	-	12.1	11.9	-	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

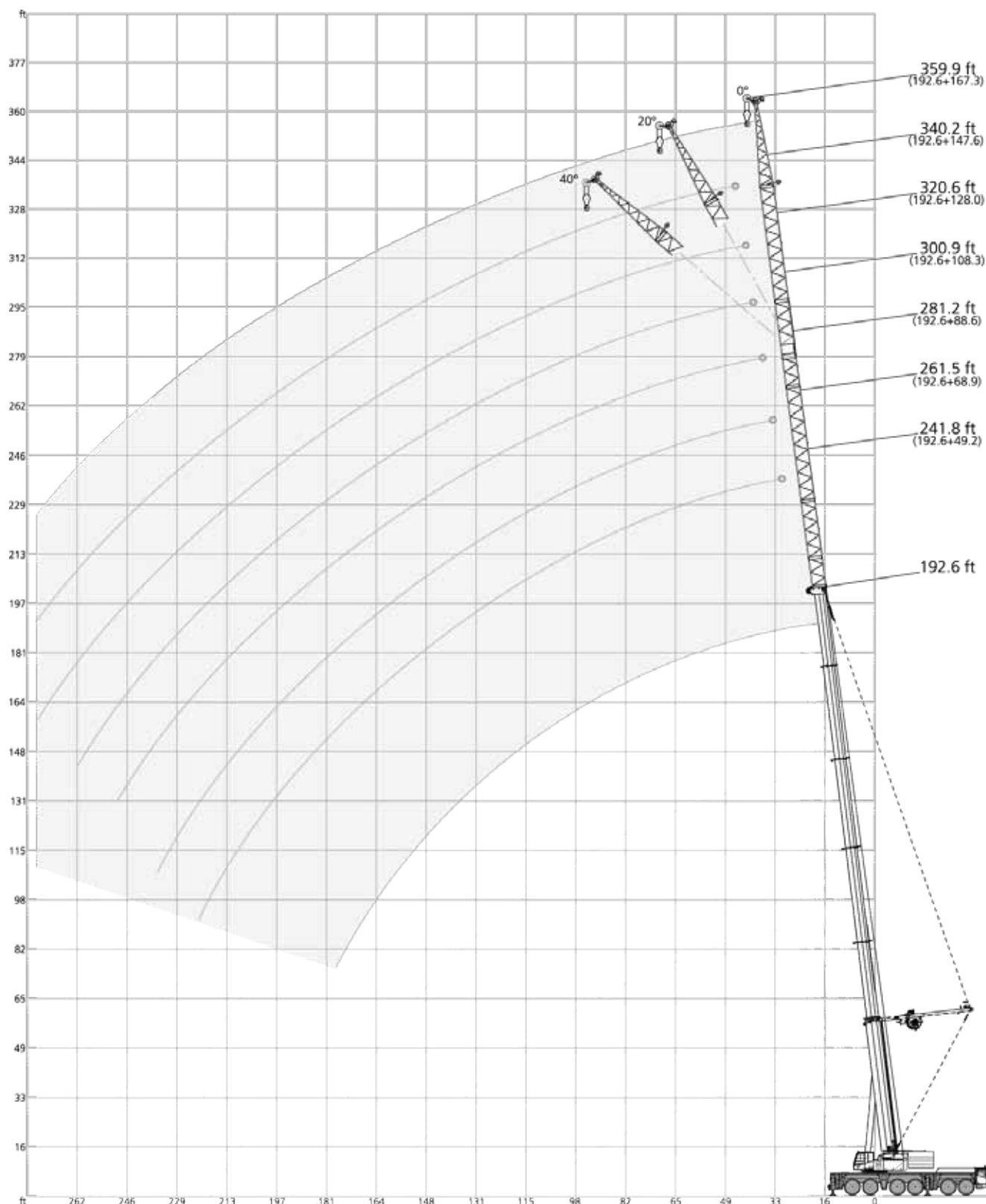


28.5 ft x 27.9 ft										360°										85%															
44.9 ft										118.8 ft																									
		29.5 ft		49.2 ft*		68.9 ft		88.6 ft*				29.5 ft		49.2 ft*		68.9 ft		88.6 ft*				29.5 ft		49.2 ft*		68.9 ft		88.6 ft*							
		0°		0°		20°		40°		0°		0°		20°		40°		0°		0°		20°		40°		0°		20°		40°					
ft		1,000 lb										ft		1,000 lb																					
10		100.0	-	-	-	-	-	-	-	-	24		93.4	-	-	-	-	-	-	-	-	28		83.7	-	-	-	-	-	-					
12		98.9	-	-	-	-	-	-	-	-	32		75.7	74.0	-	-	-	-	-	-	-	36		69.3	69.1	-	-	52.8	-	-	-				
14		94.4	97.0	-	-	-	-	-	-	-	40		63.3	64.3	-	-	-	49.9	42.0	-	-	48		55.4	56.2	35.6	-	45.1	37.7	-	-				
16		85.7	93.4	-	-	-	-	-	-	-	56		48.0	50.3	32.9	-	41.1	34.2	-	-	-	64		42.5	45.0	30.6	23.1	37.9	31.4	-	-				
18		78.5	88.3	-	-	72.3	-	-	-	-	72		38.7	40.2	28.5	22.1	34.9	29.1	19.0	-	-	80		34.7	37.3	26.7	21.3	32.1	26.8	18.0	-				
20		71.9	82.8	-	-	68.2	59.5	-	-	-	88		31.4	34.5	25.3	20.5	30.2	24.7	17.1	11.4	-	96		29.1	31.5	24.0	20.0	28.5	23.1	16.1	11.0				
24		61.4	71.5	-	-	61.1	53.7	-	-	-	104		27.0	29.3	22.9	19.6	26.7	21.8	15.3	10.6	-	112		25.1	27.5	22.0	19.2	24.9	20.4	14.5	10.3				
28		52.2	63.6	-	-	55.2	48.6	-	-	-	120		23.7	25.9	21.1	18.9	23.8	19.1	14.0	9.9	-	128		22.4	24.4	20.3	-	22.7	18.0	13.4	9.6				
32		46.4	56.4	39.0	-	50.6	44.3	-	-	-	136		21.2	23.2	19.7	-	21.6	17.2	12.9	9.3	-	144		15.7	22.1	19.2	-	20.7	16.4	12.5	9.2				
36		41.4	50.6	36.1	-	46.9	40.9	-	-	-	152		-	21.1	-	-	19.8	15.5	12.1	9.0	-	160		-	12.1	-	-	19.1	14.7	11.7	8.8				
40		36.8	45.5	33.4	-	43.3	37.7	-	-	-	168		-	-	-	-	18.5	14.1	11.4	-	-	176		-	-	-	-	17.9	13.7	11.3	-				
48		30.8	38.5	29.3	23.7	37.3	32.7	-	-	-	184		-	-	-	-	-	13.3	7.7	-	-	192		-	-	-	-	-	12.9	-	-				
56		26.1	32.6	26.0	21.8	33.3	28.6	20.9	-	-	200		-	-	-	-	-	6.6	-	-	-			-	-	-	-	-	-	-	-				
64		22.7	28.9	23.4	20.2	29.3	25.7	18.9	-	-																									
72		-	25.4	21.4	19.2	26.5	23.0	17.2	-	-																									
80		-	23.0	-	-	24.3	20.5	15.9	11.6	-																									
88		-	-	-	-	22.2	19.1	14.8	10.8	-																									
96		-	-	-	-	20.7	17.5	13.7	10.3	-																									
104		-	-	-	-	19.3	16.1	12.8	9.9	-																									
112		-	-	-	-	-	14.9	11.9	-	-																									
120		-	-	-	-	-	14.0	-	-	-																									

133.5 ft										148.3 ft									
		29.5 ft	49.2 ft*			68.9 ft	88.6 ft*					29.5 ft	49.2 ft*			68.9 ft	88.6 ft*		
		0°	0°	20°	40°	0°	0°	20°	40°			0°	0°	20°	40°	0°	0°	20°	40°
ft										ft									
1,000 lb										1,000 lb									
28		84.7	-	-	-	-	-	-	-	36		70.8	-	-	-	-	-	-	-
32		77.3	-	-	-	-	-	-	-	40		65.5	63.4	-	-	46.2	-	-	-
36		71.3	69.3	-	-	-	-	-	-	48		57.8	57.5	-	-	42.7	36.3	-	-
40		65.8	65.6	-	-	49.4	41.2	-	-	56		51.5	52.0	33.7	-	39.6	33.4	-	-
48		56.8	58.3	36.1	-	44.9	37.5	-	-	64		46.6	47.3	31.5	-	36.8	31.1	-	-
56		50.8	52.0	33.6	-	41.1	34.2	-	-	72		42.0	43.7	29.6	22.5	34.4	28.7	-	-
64		44.8	47.4	31.3	23.3	38.0	31.4	-	-	80		38.2	40.0	28.2	21.7	32.3	27.1	18.1	-
72		40.4	42.9	29.4	22.5	35.5	29.1	-	-	88		35.7	36.9	26.7	21.0	30.5	25.5	17.1	-
80		37.2	38.8	27.7	21.7	33.1	27.3	18.1	-	96		33.0	34.6	25.3	20.4	28.6	23.9	16.3	-
88		34.0	36.2	26.2	21.0	30.7	25.4	17.1	-	104		30.6	32.5	24.3	20.0	27.2	22.4	15.6	10.6
96		31.0	33.8	25.0	20.3	28.9	23.5	16.3	11.0	112		28.4	30.5	23.3	19.6	25.9	21.1	15.0	10.3
104		29.0	31.4	23.8	19.8	27.4	22.2	15.6	10.6	120		26.9	28.7	22.4	19.2	24.6	20.2	14.3	10.1
112		27.2	29.0	22.7	19.4	25.9	21.1	15.0	10.3	128		25.4	27.1	21.6	18.9	23.4	19.2	13.7	9.8
120		25.3	27.5	21.9	19.1	24.5	19.9	14.3	9.9	136		23.9	25.8	21.1	18.8	22.3	18.3	13.3	9.5
128		23.8	26.1	21.0	18.8	23.2	18.7	13.7	9.6	144		22.9	24.6	20.4	18.5	21.4	17.3	12.9	9.3
136		22.7	24.6	20.2	-	22.3	17.7	13.1	9.5	152		21.9	23.4	19.8	-	20.6	16.4	12.5	9.0
144		21.7	23.4	19.7	-	21.3	16.9	12.7	9.3	160		21.1	22.4	19.4	-	20.0	15.8	12.1	8.9
152		-	22.4	19.4	-	20.4	16.2	12.3	9.0	168		-	21.3	19.1	-	19.2	15.2	11.8	8.8
160		-	21.6	19.0	-	19.6	15.6	12.0	8.9	176		-	20.2	19.0	-	18.4	14.6	11.5	8.6
168		-	20.1	-	-	19.0	14.9	11.7	8.8	184		-	-	-	-	17.7	14.1	11.2	-
176		-	-	-	-	18.6	14.2	11.3	-	192		-	-	-	-	16.6	13.6	11.0	-
184		-	-	-	-	17.3	13.8	11.1	-	200		-	-	-	-	14.9	13.3	11.0	-
192		-	-	-	-	-	13.4	11.0	-	208		-	-	-	-	-	13.0	10.9	-
200		-	-	-	-	-	13.0	10.8	-	216		-	-	-	-	-	12.6	10.8	-
208		-	-	-	-	-	12.5	-	-										

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

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



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

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

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

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

* SF-A



76,500 lb

98,800 lb

119,700 lb

165,600 lb

211,400 lb

257,300 lb

28.5 ft x 27.9 ft															360°	85%
163.1 ft																
	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°	
ft	1,000 lb															ft
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																
	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°	
ft	1,000 lb															ft
48	51.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
56	48.0	41.6	-	-	-	-	-	-	-	-	-	-	-	-	-	56
64	44.5	38.7	-	-	33.5	-	-	-	-	-	-	-	-	-	-	64
72	41.5	36.2	-	-	31.1	-	-	27.2	-	-	-	-	-	-	-	72
80	38.9	33.6	27.8	21.7	29.2	26.9	-	25.3	-	-	22.3	18.2	13.7	-	-	80
88	36.8	31.4	26.8	21.0	27.1	25.3	21.0	23.8	22.5	-	21.2	17.8	13.7	-	-	88
96	34.6	29.7	25.7	20.4	25.5	23.8	20.6	22.3	21.1	-	20.0	17.2	13.7	-	-	96
104	32.5	27.9	24.7	20.0	24.1	22.4	20.2	21.0	19.9	19.2	18.8	16.3	13.4	-	-	104
112	30.6	26.2	23.8	19.6	22.6	21.1	19.8	19.8	18.7	18.2	17.6	15.4	13.0	-	-	112
120	28.9	24.7	22.8	19.3	21.3	20.0	19.1	18.6	17.7	17.3	16.6	14.4	12.2	11.3	-	120
128	27.3	23.3	21.9	19.0	20.1	19.0	18.4	17.4	16.8	16.4	15.8	13.6	11.5	10.8	-	128
136	25.7	22.1	20.9	18.6	19.0	17.9	17.6	16.3	15.9	15.6	15.0	12.9	10.9	10.3	-	136
144	24.1	20.9	20.0	18.1	18.0	17.1	16.8	15.5	15.0	14.8	14.0	12.2	10.3	9.7	9.0	144
152	22.5	19.7	19.1	17.5	17.1	16.4	16.0	14.7	14.2	14.0	13.1	11.4	9.6	9.2	8.8	152
160	21.2	18.6	18.3	16.9	16.3	15.6	15.3	14.0	13.6	13.3	12.5	10.5	8.9	8.6	8.4	160
168	19.8	17.6	17.5	16.3	15.4	14.9	14.7	13.3	12.9	12.7	11.9	9.9	8.3	8.1	8.0	168
176	18.5	16.7	16.7	15.7	14.5	14.2	14.2	12.7	12.2	12.2	11.3	9.5	7.8	7.6	7.6	176
184	17.2	15.7	15.8	-	13.8	13.5	13.7	11.9	11.6	11.7	10.8	9.0	7.4	7.2	7.2	184
192	15.8	14.8	15.0	-	13.1	12.9	13.1	11.2	10.9	11.1	10.2	8.5	6.9	6.7	6.7	192
200	14.5	13.7	14.1	-	12.4	12.4	-	10.8	10.5	10.6	9.5	8.1	6.4	6.3	6.3	200
208	11.7	12.8	13.1	-	11.7	11.7	-	10.3	10.1	10.2	9.0	7.6	5.9	5.9	6.0	208
216	8.5	12.0	12.2	-	11.1	11.1	-	9.7	9.7	9.7	8.6	7.1	5.5	5.5	5.7	216
224	-	10.5	-	-	10.3	10.3	-	9.2	9.2	-	8.2	6.6	5.2	5.2	5.4	224
240	-	-	-	-	8.3	8.9	-	8.1	8.1	-	7.6	6.0	4.5	4.5	4.7	240
256	-	-	-	-	-	-	-	7.0	-	-	6.8	5.5	4.0	4.0	4.2	256
272	-	-	-	-	-	-	-	-	-	-	5.5	4.7	-	3.4	-	272
288	-	-	-	-	-	-	-	-	-	-	-	4.0	-	-	-	288

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

 210.0 ft														 206.4 ft			
		49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft			
		0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°		0°			
ft															ft		
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

DEMAG®

A TEREX BRAND



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

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

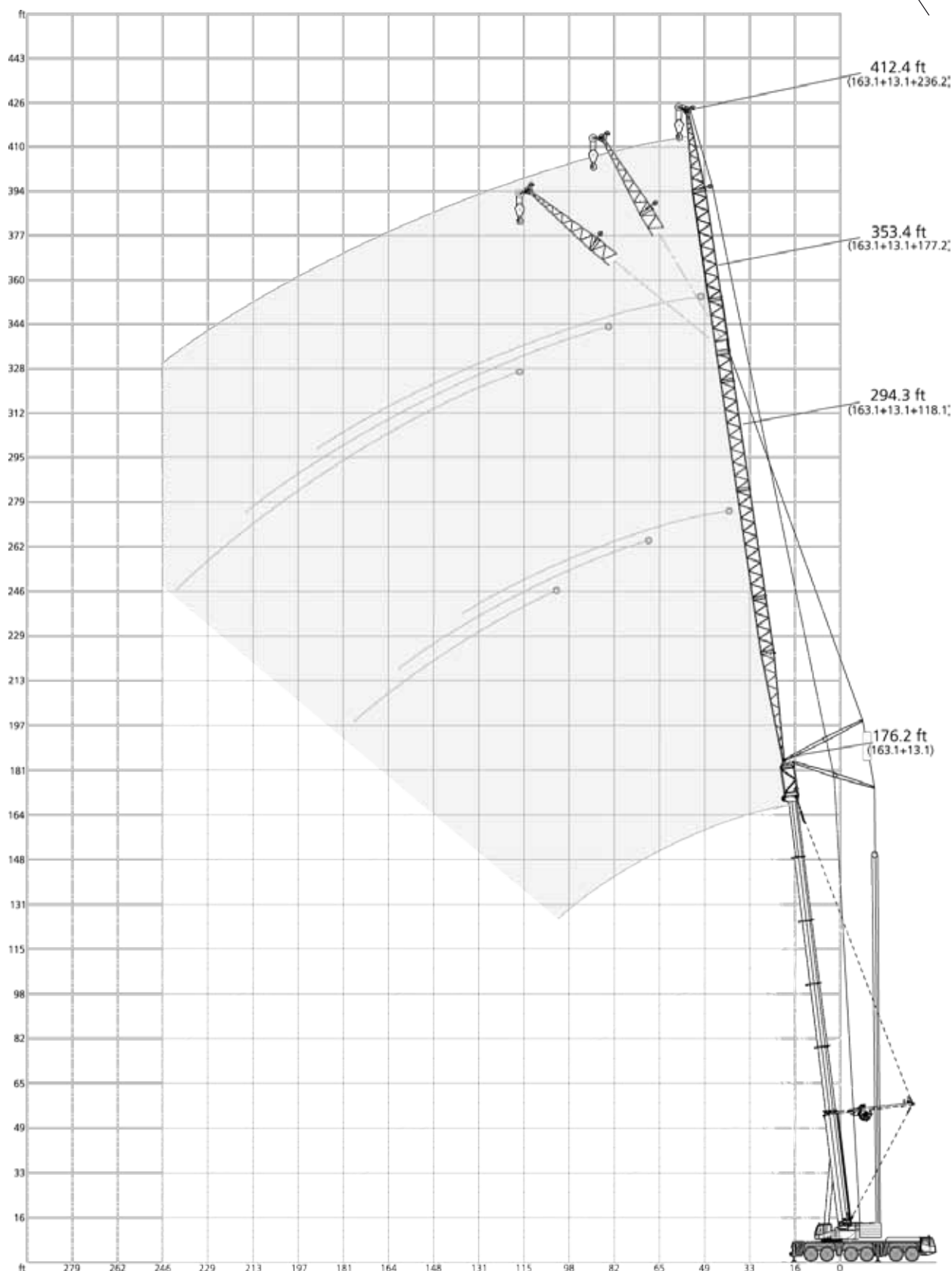
28.5 ft x 27.9 ft															360°	85%
192.6 ft																
	49.2 ft	68.9 ft*			88.6 ft*			108.3 ft*			128.0 ft	147.6 ft	167.3 ft*			
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	0°	20°	40°	
ft	1,000 lb															ft
40	40.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
48	38.6	31.7	-	-	26.2	-	-	-	-	-	-	-	-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

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

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

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

AC 350-6



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

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

* SWIHI ** WIHI-A

	98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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 28.5 ft x 27.9 ft										360°						85%	
 89.2 ft +  13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
40		112.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
48		110.2	-	-	99.4	-	-	79.2	-	-	-	-	-	-	-	-	48
56		108.4	-	-	98.3	-	-	78.0	-	-	-	-	-	-	-	-	56
64		104.0	-	-	96.2	-	-	76.9	-	-	61.7	-	-	49.3	-	-	64
72		95.4	89.5	-	92.9	-	-	75.9	-	-	59.5	-	-	47.4	-	-	72
80		-	80.3	-	84.1	80.5	-	74.0	73.3	-	58.7	-	-	46.7	-	-	80
88		-	72.4	-	-	72.8	-	71.8	71.0	-	57.8	57.5	-	46.0	-	-	88
96		-	65.9	62.0	-	66.2	-	66.2	65.4	-	57.1	56.8	-	45.4	45.1	-	96
104		-	-	56.7	-	-	57.2	57.1	59.7	-	55.1	55.7	-	44.9	44.5	-	104
112		-	-	-	-	-	52.2	-	55.1	50.9	52.3	54.2	49.8	44.5	43.9	-	112
120		-	-	-	-	-	-	-	-	47.0	45.2	50.1	46.1	43.5	43.6	-	120
128		-	-	-	-	-	-	-	-	43.4	-	46.2	42.6	41.3	42.9	41.5	128
136		-	-	-	-	-	-	-	-	-	-	42.9	39.5	37.3	41.5	38.6	136
144		-	-	-	-	-	-	-	-	-	-	-	36.7	33.2	38.9	35.8	144
152		-	-	-	-	-	-	-	-	-	-	-	-	-	36.3	33.4	152
160		-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.2	160
168		-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.3	168

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

* SWIHI ** WIHI-A

	98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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 28.5 ft x 27.9 ft										360°						85%	
 104.0 ft +  13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
48		91.1	-	-	-	-	-	66.7	-	-	-	-	-	-	-	-	48
56		87.5	-	-	82.3	-	-	65.7	-	-	52.9	-	-	-	-	-	56
64		83.0	-	-	79.4	-	-	64.8	-	-	52.0	-	-	41.6	-	-	64
72		79.9	-	-	76.3	-	-	64.2	-	-	51.2	-	-	41.0	-	-	72
80		76.3	69.5	-	73.5	-	-	62.9	-	-	50.6	-	-	40.3	-	-	80
88		-	64.7	-	70.0	64.5	-	60.8	60.0	-	50.0	-	-	39.9	-	-	88
96		-	60.9	-	-	60.4	-	58.6	56.8	-	49.2	48.1	-	39.4	-	-	96
104		-	-	51.4	-	57.6	-	56.3	53.7	-	48.3	47.3	-	38.9	-	-	104
112		-	-	48.3	-	-	47.5	-	50.8	45.3	47.2	46.4	-	38.6	38.1	-	112
120		-	-	-	-	-	44.8	-	48.1	42.7	44.6	44.4	-	38.3	37.6	-	120
128		-	-	-	-	-	-	-	-	40.2	-	42.5	38.4	37.6	37.0	-	128
136		-	-	-	-	-	-	-	-	37.8	-	40.7	36.4	36.2	36.3	-	136
144		-	-	-	-	-	-	-	-	35.2	-	38.1	34.1	34.7	35.5	32.5	144
152		-	-	-	-	-	-	-	-	-	-	-	31.9	-	34.6	31.0	152
160		-	-	-	-	-	-	-	-	-	-	-	-	-	32.5	29.0	160
168		-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.1	168
176		-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.4	176

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

* SWIHI ** WIHI-A

	98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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28.5 ft x 27.9 ft 360° 85%																
118.8 ft + 13.1 ft																
	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb															ft
48	80.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
56	79.1	-	-	72.4	-	-	58.5	-	-	-	-	-	-	-	-	56
64	78.0	-	-	71.6	-	-	57.9	-	-	45.7	-	-	-	-	-	64
72	74.6	-	-	69.9	-	-	57.1	-	-	45.0	-	-	36.8	-	-	72
80	69.6	61.9	-	66.0	-	-	56.5	-	-	44.5	-	-	36.3	-	-	80
88	-	57.7	-	62.7	-	-	55.7	-	-	44.1	-	-	35.8	-	-	88
96	-	54.1	-	-	53.9	-	54.9	50.8	-	43.6	-	-	35.4	-	-	96
104	-	51.3	-	-	51.1	-	53.0	48.0	-	43.2	41.8	-	35.1	-	-	104
112	-	-	41.5	-	-	41.8	-	45.3	-	42.9	40.9	-	34.8	32.8	-	112
120	-	-	39.4	-	-	39.6	-	42.8	37.5	41.6	39.3	-	34.7	32.8	-	120
128	-	-	-	-	-	-	-	41.1	35.5	39.9	37.6	-	34.4	32.6	-	128
136	-	-	-	-	-	-	-	-	33.7	-	35.9	31.9	33.9	31.9	-	136
144	-	-	-	-	-	-	-	-	32.2	-	34.7	30.3	32.9	31.1	-	144
152	-	-	-	-	-	-	-	-	-	-	-	28.7	-	30.3	26.7	152
160	-	-	-	-	-	-	-	-	-	-	-	27.7	-	29.5	25.5	160
168	-	-	-	-	-	-	-	-	-	-	-	-	-	28.7	24.4	168
176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.5	176
184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.5	184

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

* SWIHI ** WIHI-A

98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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 28.5 ft x 27.9 ft										360°						85%	
 133.5 ft +  13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
56		65.7	-	-	-	-	-	48.1	-	-	-	-	-	-	-	-	56
64		64.8	-	-	60.7	-	-	48.1	-	-	37.7	-	-	-	-	-	64
72		64.0	-	-	60.2	-	-	47.6	-	-	37.7	-	-	29.3	-	-	72
80		60.8	-	-	58.6	-	-	47.3	-	-	37.7	-	-	29.3	-	-	80
88		57.7	50.7	-	56.5	-	-	46.8	-	-	37.6	-	-	29.3	-	-	88
96		-	47.6	-	-	-	-	46.2	-	-	37.5	-	-	29.3	-	-	96
104		-	45.1	-	-	44.0	-	45.1	40.6	-	37.3	-	-	29.3	-	-	104
112		-	-	-	-	41.6	-	43.8	38.7	-	37.0	32.8	-	29.3	24.9	-	112
120		-	-	-	-	-	-	-	36.9	-	36.5	32.6	-	29.3	24.9	-	120
128		-	-	-	-	-	-	-	35.0	-	35.6	32.0	-	29.3	24.9	-	128
136		-	-	-	-	-	-	-	33.8	29.0	-	30.9	-	29.1	24.9	-	136
144		-	-	-	-	-	-	-	-	27.7	-	29.9	26.0	29.0	24.9	-	144
152		-	-	-	-	-	-	-	-	26.5	-	29.0	24.7	-	24.9	22.4	152
160		-	-	-	-	-	-	-	-	-	-	-	23.5	-	24.8	21.6	160
168		-	-	-	-	-	-	-	-	-	-	-	22.6	-	24.4	20.7	168
176		-	-	-	-	-	-	-	-	-	-	-	-	-	23.7	19.8	176
184		-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.0	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3	192

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

* SWIHI ** WIHI-A

	98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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28.5 ft x 27.9 ft										360°						85%	
148.3 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb														ft	
56		53.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
64		53.2	-	-	48.1	-	-	38.6	-	-	-	-	-	-	-	-	64
72		52.3	-	-	47.8	-	-	38.6	-	-	30.0	-	-	22.9	-	-	72
80		50.6	-	-	47.3	-	-	38.6	-	-	30.0	-	-	22.9	-	-	80
88		48.8	-	-	46.4	-	-	38.5	-	-	30.0	-	-	22.9	-	-	88
96		-	40.5	-	-	-	-	38.2	-	-	30.0	-	-	22.9	-	-	96
104		-	38.3	-	-	-	-	37.8	-	-	30.0	-	-	22.9	-	-	104
112		-	36.3	-	-	36.3	-	37.2	32.8	-	30.0	25.6	-	22.9	-	-	112
120		-	-	-	-	34.7	-	-	31.6	-	30.0	25.6	-	22.9	19.0	-	120
128		-	-	-	-	-	-	-	30.3	-	29.9	25.5	-	22.9	19.0	-	128
136		-	-	-	-	-	-	-	29.0	-	-	25.3	-	22.9	19.0	-	136
144		-	-	-	-	-	-	-	-	24.4	-	24.8	-	22.9	19.0	-	144
152		-	-	-	-	-	-	-	-	23.0	-	24.4	21.5	22.9	19.0	-	152
160		-	-	-	-	-	-	-	-	22.1	-	23.7	20.4	-	19.0	-	160
168		-	-	-	-	-	-	-	-	-	-	-	19.5	-	19.0	16.6	168
176		-	-	-	-	-	-	-	-	-	-	-	18.8	-	19.0	16.4	176
184		-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.9	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5	192
200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.0	200

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

* SWIHI ** WIHI-A

98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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28.5 ft x 27.9 ft										360°						85%	
163.1 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
64		39.5	-	-	-	-	-	28.9	-	-	-	-	-	-	-	-	64
72		39.5	-	-	36.6	-	-	28.9	-	-	22.0	-	-	-	-	-	72
80		39.4	-	-	36.6	-	-	28.9	-	-	22.0	-	-	19.6	-	-	80
88		38.8	-	-	36.6	-	-	28.9	-	-	22.0	-	-	19.6	-	-	88
96		-	-	-	36.6	-	-	28.9	-	-	22.0	-	-	19.6	-	-	96
104		-	31.9	-	-	-	-	28.9	-	-	22.0	-	-	19.6	-	-	104
112		-	30.1	-	-	30.1	-	28.9	24.7	-	22.0	-	-	19.6	-	-	112
120		-	-	-	-	28.6	-	-	24.7	-	22.0	18.3	-	19.6	-	-	120
128		-	-	-	-	-	-	-	24.4	-	22.0	18.3	-	19.6	-	-	128
136		-	-	-	-	-	-	-	23.5	-	22.0	18.3	-	19.6	15.9	-	136
144		-	-	-	-	-	-	-	22.7	-	-	18.3	-	19.6	15.9	-	144
152		-	-	-	-	-	-	-	-	19.1	-	18.3	-	19.6	15.8	-	152
160		-	-	-	-	-	-	-	-	18.3	-	18.2	15.9	-	15.7	-	160
168		-	-	-	-	-	-	-	-	-	-	-	15.5	-	15.7	-	168
176		-	-	-	-	-	-	-	-	-	-	-	15.1	-	15.5	13.1	176
184		-	-	-	-	-	-	-	-	-	-	-	14.5	-	-	12.5	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.0	192
200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	200

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

* SWIHI ** WIHI-A

98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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28.5 ft x 27.9 ft 360° 85%																
177.8 ft + 13.1 ft																
	72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb															ft
64	28.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72	28.9	-	-	26.9	-	-	20.5	-	-	-	-	-	-	-	-	72
80	28.9	-	-	26.9	-	-	20.5	-	-	14.8	-	-	16.5	-	-	80
88	28.9	-	-	26.9	-	-	20.5	-	-	14.8	-	-	16.3	-	-	88
96	-	-	-	26.9	-	-	20.5	-	-	14.8	-	-	16.2	-	-	96
104	-	-	-	-	-	-	20.5	-	-	14.8	-	-	15.8	-	-	104
112	-	24.6	-	-	-	-	20.5	-	-	14.8	-	-	15.4	-	-	112
120	-	23.8	-	-	23.1	-	20.5	17.0	-	14.8	-	-	15.2	-	-	120
128	-	-	-	-	22.7	-	-	17.0	-	14.8	11.7	-	14.9	-	-	128
136	-	-	-	-	-	-	-	17.0	-	14.8	11.7	-	14.6	-	-	136
144	-	-	-	-	-	-	-	17.0	-	-	11.7	-	14.3	12.8	-	144
152	-	-	-	-	-	-	-	-	-	-	11.7	-	14.1	12.8	-	152
160	-	-	-	-	-	-	-	-	14.6	-	11.7	-	13.9	12.6	-	160
168	-	-	-	-	-	-	-	-	14.1	-	11.7	10.1	-	12.4	-	168
176	-	-	-	-	-	-	-	-	-	-	-	10.1	-	12.2	-	176
184	-	-	-	-	-	-	-	-	-	-	-	10.1	-	11.9	9.7	184
192	-	-	-	-	-	-	-	-	-	-	-	10.1	-	-	9.2	192
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.4	208

	157.5 ft			177.2 ft			196.9 ft**			216.5 ft			
	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft	1,000 lb												ft
88	12.1	-	-	8.4	-	-	-	-	-	-	-	-	88
96	12.1	-	-	8.4	-	-	5.5	-	-	-	-	-	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
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28.5 ft x 27.9 ft										360°						85%	
192.6 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb															ft
72		20.3	-	-	-	-	-	13.7	-	-	-	-	-	-	-	-	72
80		20.3	-	-	19.0	-	-	13.7	-	-	12.3	-	-	11.2	-	-	80
88		20.3	-	-	19.0	-	-	13.7	-	-	12.3	-	-	11.2	-	-	88
96		-	-	-	19.0	-	-	13.7	-	-	12.3	-	-	11.2	-	-	96
104		-	-	-	-	-	-	13.7	-	-	12.3	-	-	11.1	-	-	104
112		-	17.0	-	-	-	-	13.7	-	-	12.3	-	-	11.0	-	-	112
120		-	17.0	-	-	15.9	-	13.7	-	-	12.3	-	-	10.9	-	-	120
128		-	-	-	-	15.9	-	-	10.6	-	12.3	-	-	10.7	-	-	128
136		-	-	-	-	-	-	-	10.6	-	12.3	9.3	-	10.4	-	-	136
144		-	-	-	-	-	-	-	10.6	-	-	9.3	-	10.3	-	-	144
152		-	-	-	-	-	-	-	10.6	-	-	9.3	-	10.1	7.9	-	152
160		-	-	-	-	-	-	-	-	-	-	9.3	-	9.9	7.9	-	160
168		-	-	-	-	-	-	-	-	9.0	-	9.3	-	-	7.9	-	168
176		-	-	-	-	-	-	-	-	9.0	-	-	-	-	7.9	-	176
184		-	-	-	-	-	-	-	-	-	-	-	7.7	-	7.9	-	184
192		-	-	-	-	-	-	-	-	-	-	-	7.7	-	7.9	6.1	192
200		-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	5.8	200
208		-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	208
216		-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	216

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

* SWIHI

	98,800 lb	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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28.5 ft x 27.9 ft										360°						85%	
148.3 ft + 13.1 ft																	
		72.2 ft*			78.7 ft			98.4 ft			118.1 ft			137.8 ft			
		82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	82°	73°	65°	
ft		1,000 lb														ft	
48		53.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
56		51.2	-	-	48.2	-	-	40.5	-	-	-	-	-	-	-	-	56
64		49.2	-	-	46.6	-	-	39.5	-	-	32.5	-	-	-	-	-	64
72		47.0	-	-	45.0	-	-	38.4	-	-	32.2	-	-	25.4	-	-	72
80		45.2	-	-	43.1	-	-	37.3	-	-	31.4	-	-	25.3	-	-	80
88		43.5	42.0	-	41.4	-	-	36.1	-	-	30.6	-	-	25.0	-	-	88
96		-	40.6	-	-	39.4	-	34.8	-	-	29.8	-	-	24.6	-	-	96
104		-	39.3	-	-	38.2	-	33.7	33.1	-	29.0	-	-	24.2	-	-	104
112		-	-	-	-	37.0	-	-	31.9	-	28.2	27.3	-	23.8	21.2	-	112
120		-	-	36.3	-	-	-	-	31.0	-	27.4	26.8	-	23.2	21.2	-	120
128		-	-	34.7	-	-	34.1	-	30.1	-	26.6	26.1	-	22.8	21.1	-	128
136		-	-	-	-	-	32.9	-	29.4	28.6	-	25.3	-	22.4	21.0	-	136
144		-	-	-	-	-	-	-	-	27.8	-	24.6	24.0	21.8	20.7	-	144
152		-	-	-	-	-	-	-	-	27.0	-	23.9	23.3	-	20.4	18.7	152
160		-	-	-	-	-	-	-	-	-	-	-	22.7	-	20.0	18.6	160
168		-	-	-	-	-	-	-	-	-	-	-	22.0	-	19.6	18.5	168
176		-	-	-	-	-	-	-	-	-	-	-	21.5	-	19.0	18.3	176
184		-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.0	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.6	192

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

* SWIHI-SL ** WIHI-A-SL

	119,700 lb	165,600 lb	211,400 lb	257,300 lb
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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		-	-	-	-	-	-	-	-	-	-	-	10.4	-	9.7	8.9	176
184		-	-	-	-	-	-	-	-	-	-	-	10.2	-	-	8.6	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	192
200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	200
208		-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	208

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

* SWIHI-SL ** WIHI-A-SL

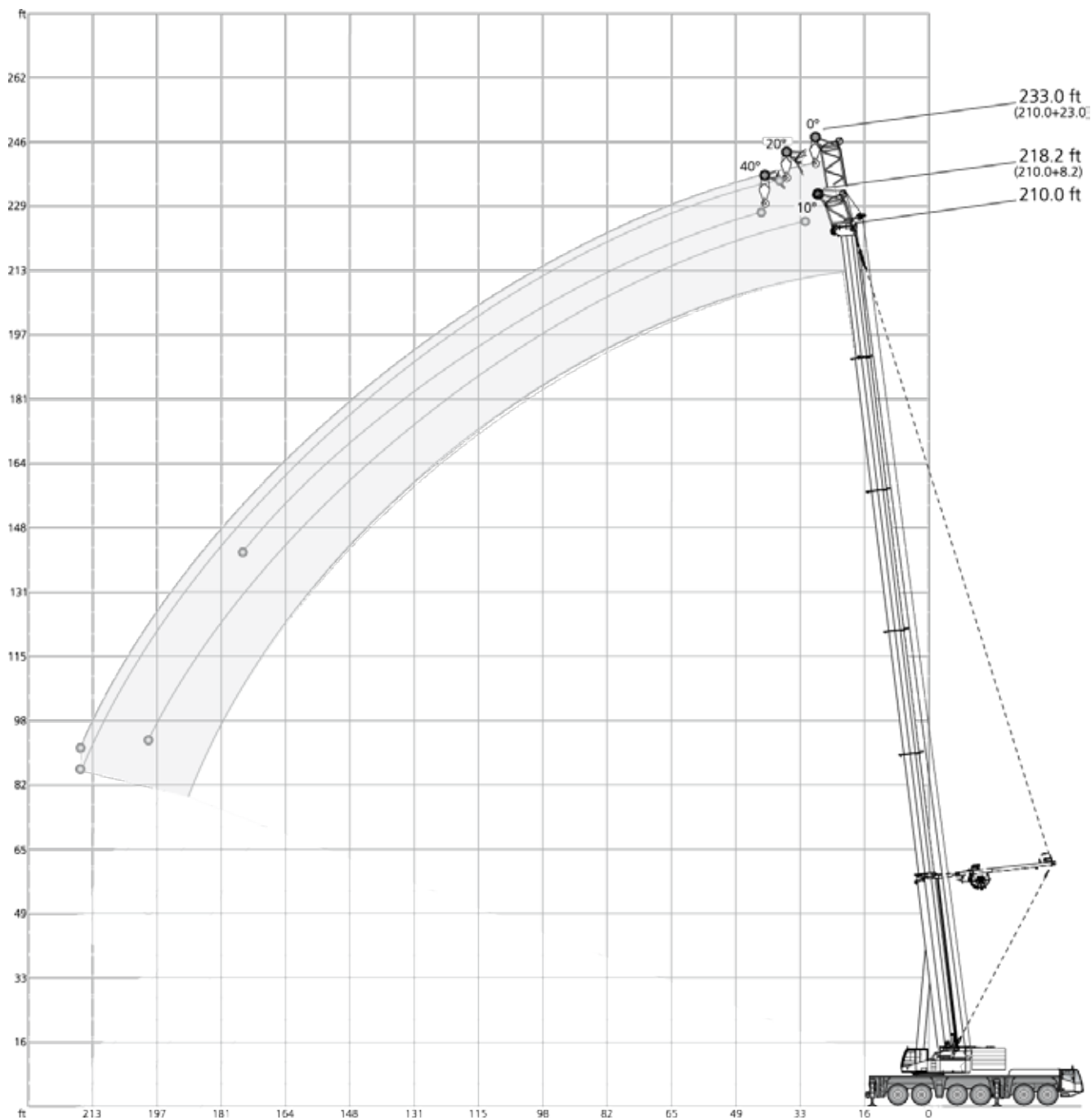
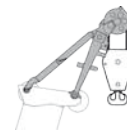
119,700 lb 165,600 lb 211,400 lb 257,300 lb

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

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

* SWIHI-SL

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



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

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

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

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

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

* MS-A-SL

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

Equipment carrier

Engine 430-4	MTU; Output 430 kW (585 HP), torque 2750 Nm, certifications in accordance with TIER 4F, CARB; Exhaust system made of stainless steel with SCR catalytic converter.
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 ft² 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.

Effective Date: April 2016.

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