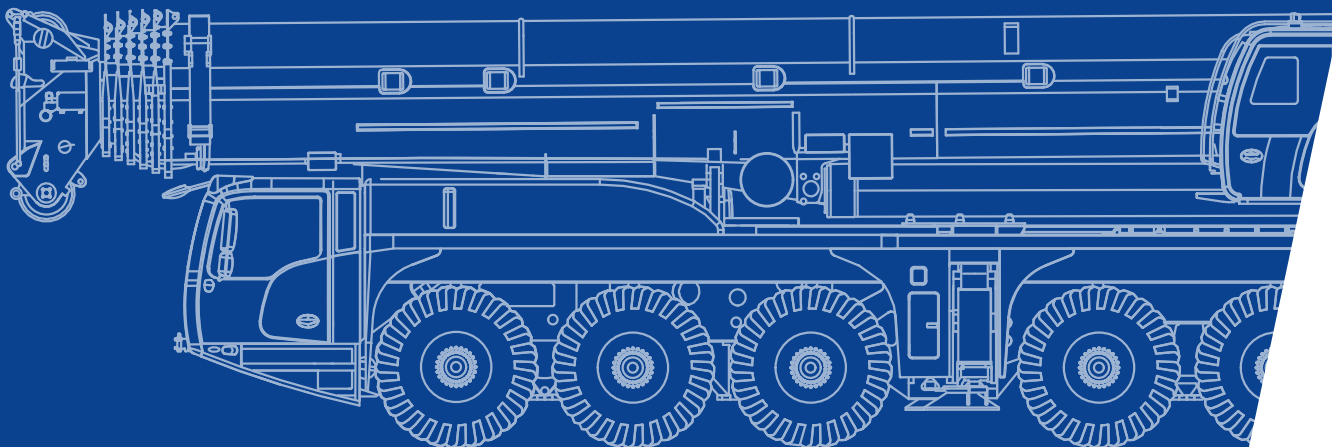
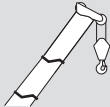

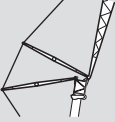


AC 450-7

PRELIMINARY



**All Terrain Crane
500 USt Capacity class**

	Page:
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 HA Main boom	12
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Counterweight



Lifting capacities on outriggers
360°



Radius



Main boom



Fixed fly jib



Luffing fly jib



Runner



Max. axle loads



Mechanism



Tires



Hook block



Sideways Superlift (SSL)



Hoist



Dolly



Travel speed



Gradeability – road



Counterweight tailswing radius



Slewing



Working speeds



Boom telescoping



Boom elevation



Max. line pull



Rope diameter



Rope length



Hook block
(capacity-sheaves-rope diameter)



Number of lines



Possible load of hook block



Weight of hook block



Distance head sheave axle – hook ground



Number of sheaves in boom head



Supporting force



Length of stroke (support cylinders)



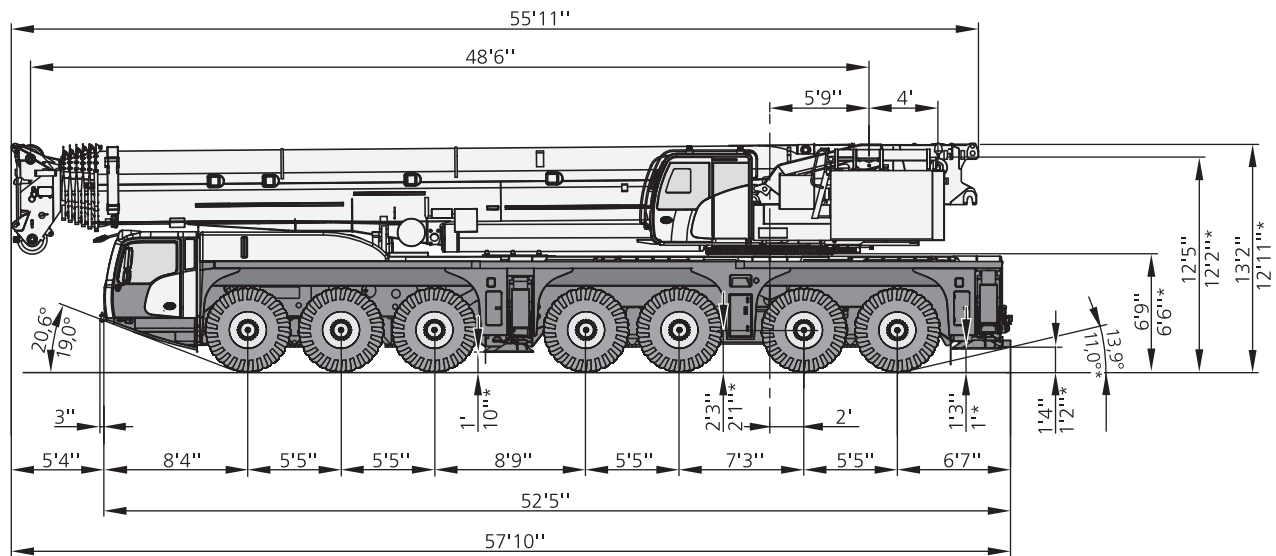
Payload incl. rear storage box



Removable outrigger box rear

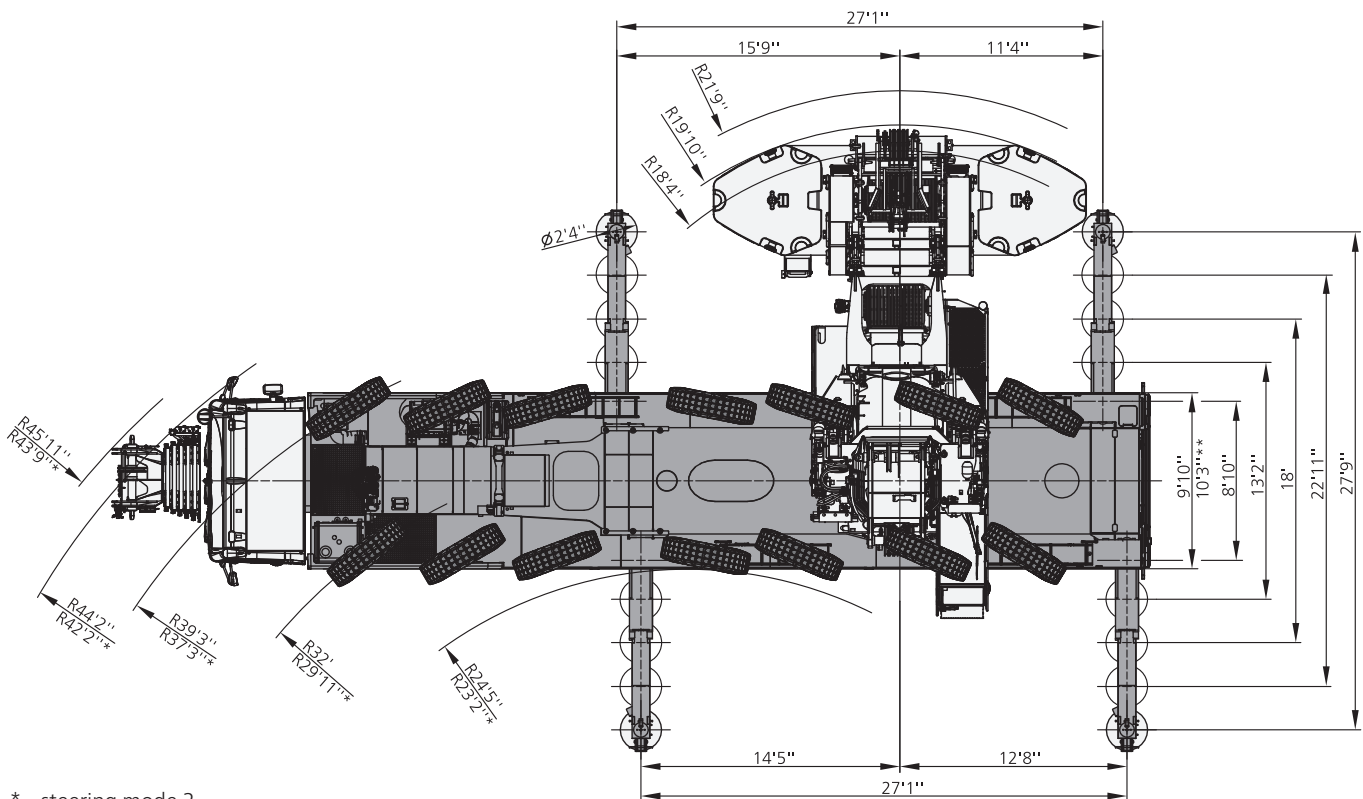
Dimensions

AC 450-7




445/95 R25 / 525/80 R25

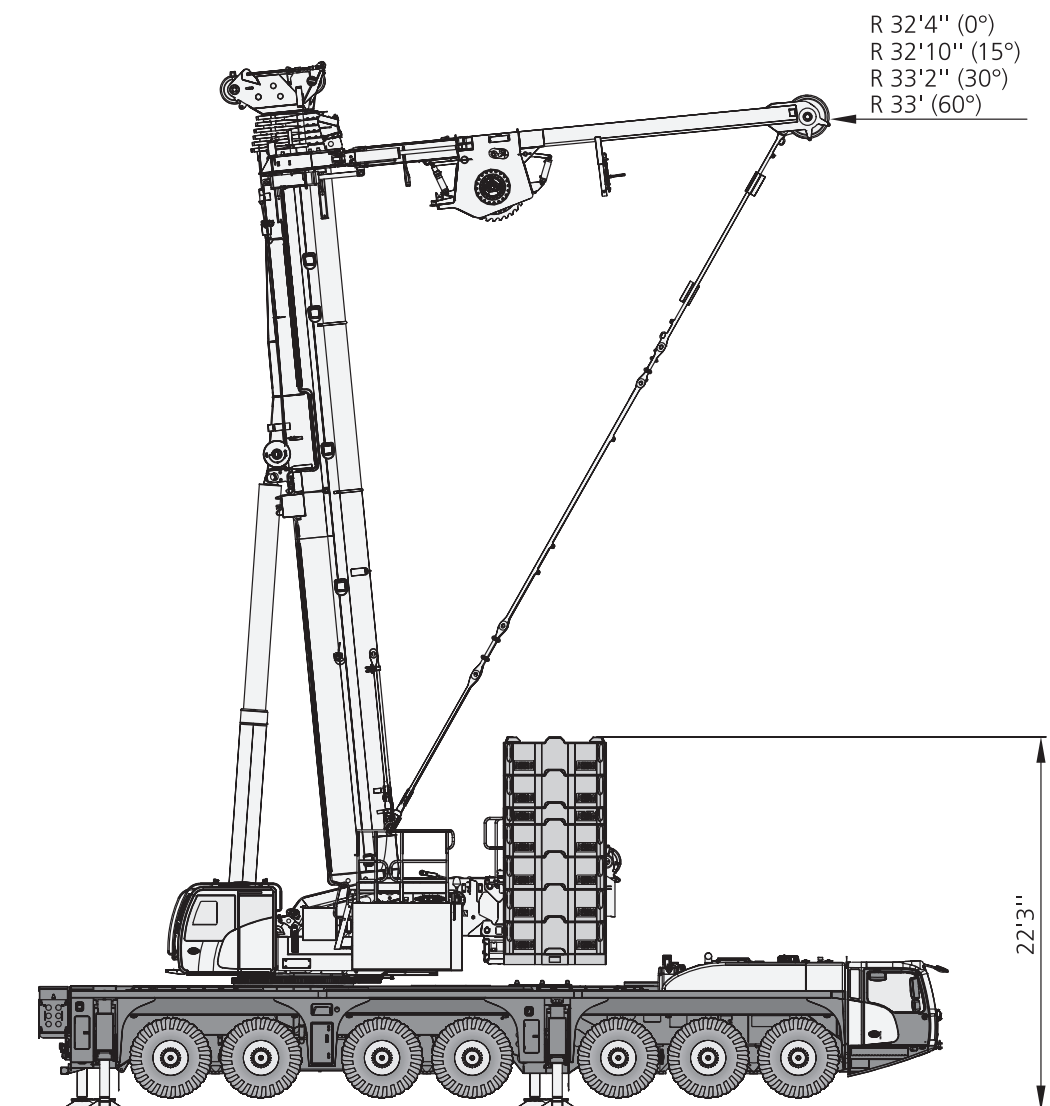
* 385/95 R25



- * steering mode 2

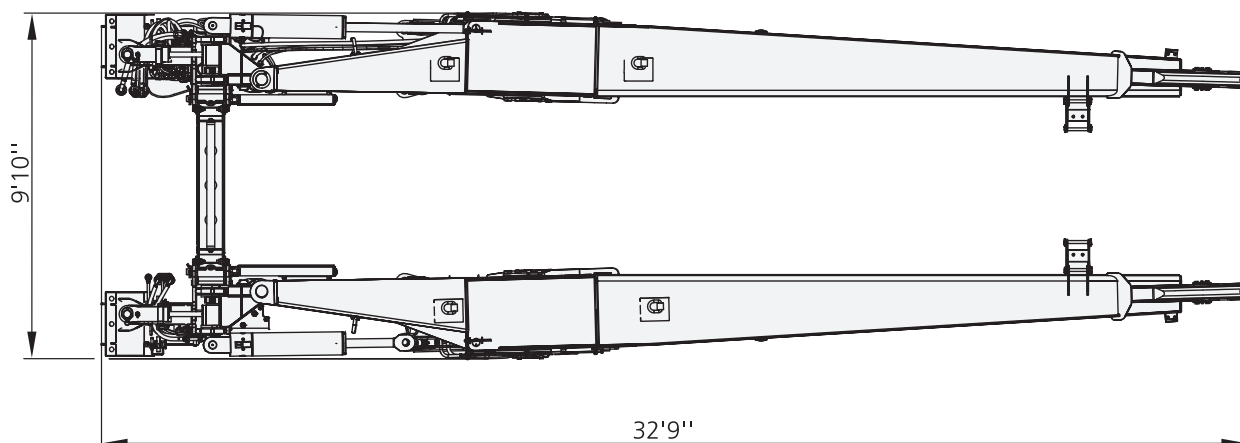
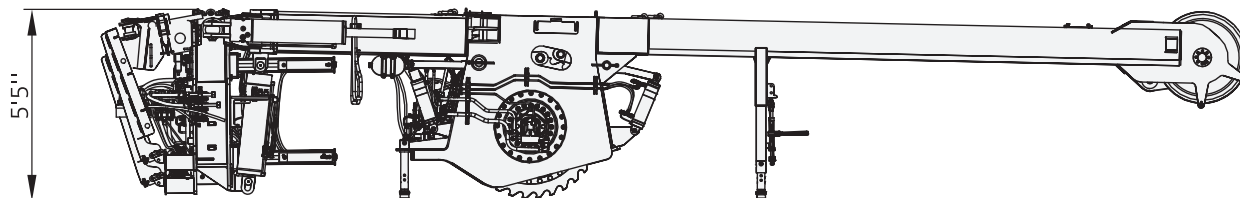
**  525/80 R25

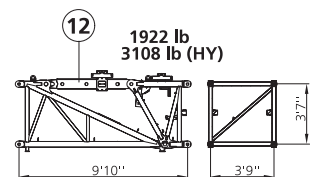
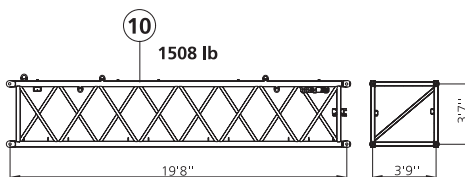
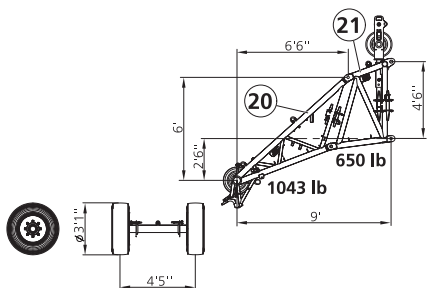
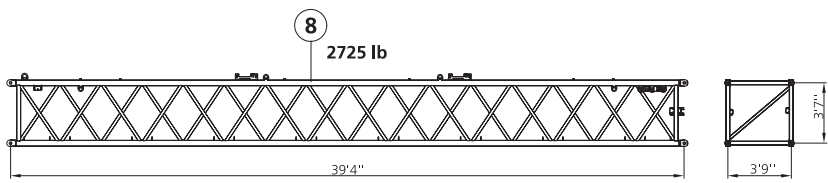
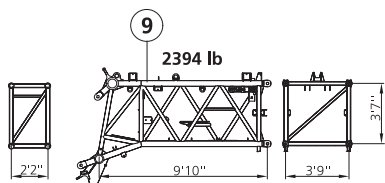
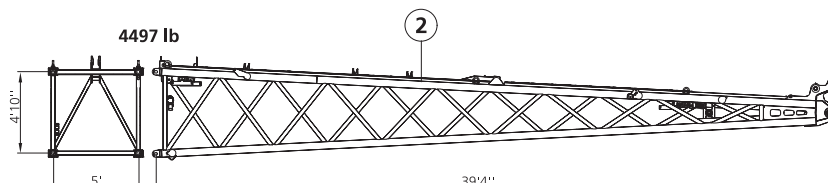
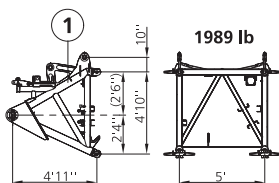
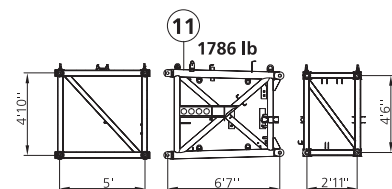
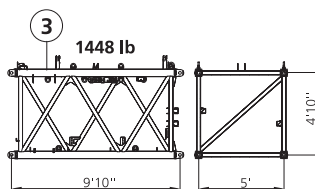
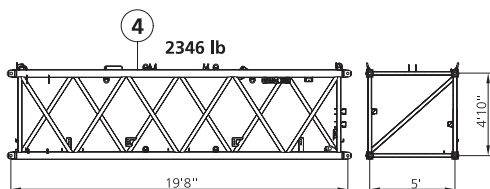
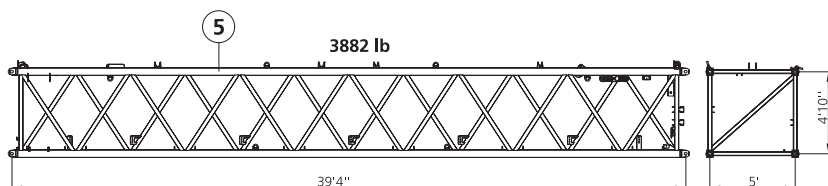
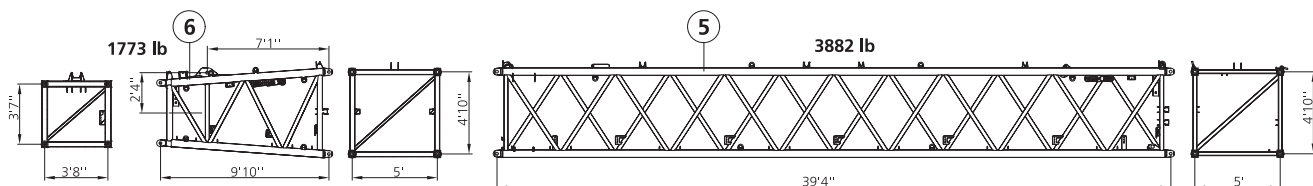
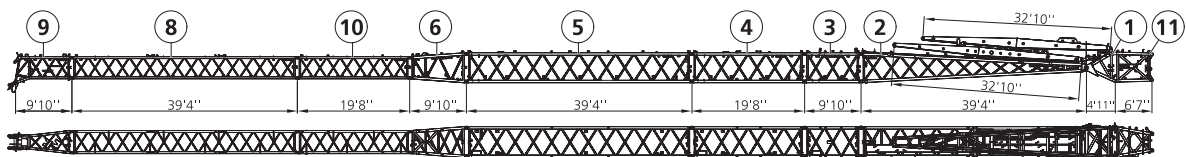
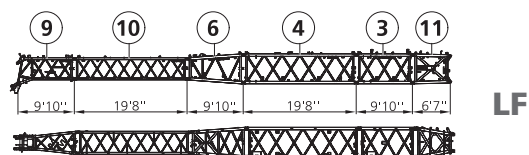
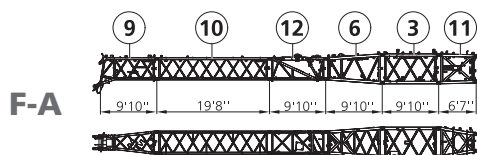
see page 8



Sideways Superlift (SSL)











Weight:
26,700 lb



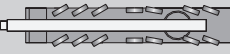
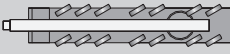





Specifications




AC 450-7

									
	Total								
< 20,000 lb	On request and technical verification								X
< 20,000 lb	< 106,000 lb	14 x 8 x 14	525/80R25 (AI)	–	–	–	–*	–	–
< 27,500 lb	< 191,000 lb	14 x 8 x 14	525/80R25 (AI)	262.5 ft	80-3-23	–	X*	–	–
< 26,500 lb	< 185,200 lb	14 x 8 x 14	385/95R25	262.5 ft	40-1-23	–	n/a	1,430 lb	–
< 26,500 lb	< 185,200 lb	14 x 8 x 14	445/95R25 (AI)	262.5 ft	80-3-23 Vario	–	n/a	0,770 lb	–
< 26,500 lb	< 185,200 lb	14 x 8 x 14	445/95R25	262.5 ft	12-0-24	–	n/a	–	–
< 36,400 lb	< 224,900 lb	14 x 8 x 14	445/95R25	262.5 ft	80-3-23	X	n/a	9,920 lb	–




* special carrier variant with removable outrigger box rear









	1 Road		4* Crab steer mode
	2* Minimum turning radius < 12.4 mph		5* All wheel steering
	3* Off-wall		







*must be activated

				
	308,700 lb	324,100 lb		52.8 mph ¹⁾
	23.6"	26"		

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

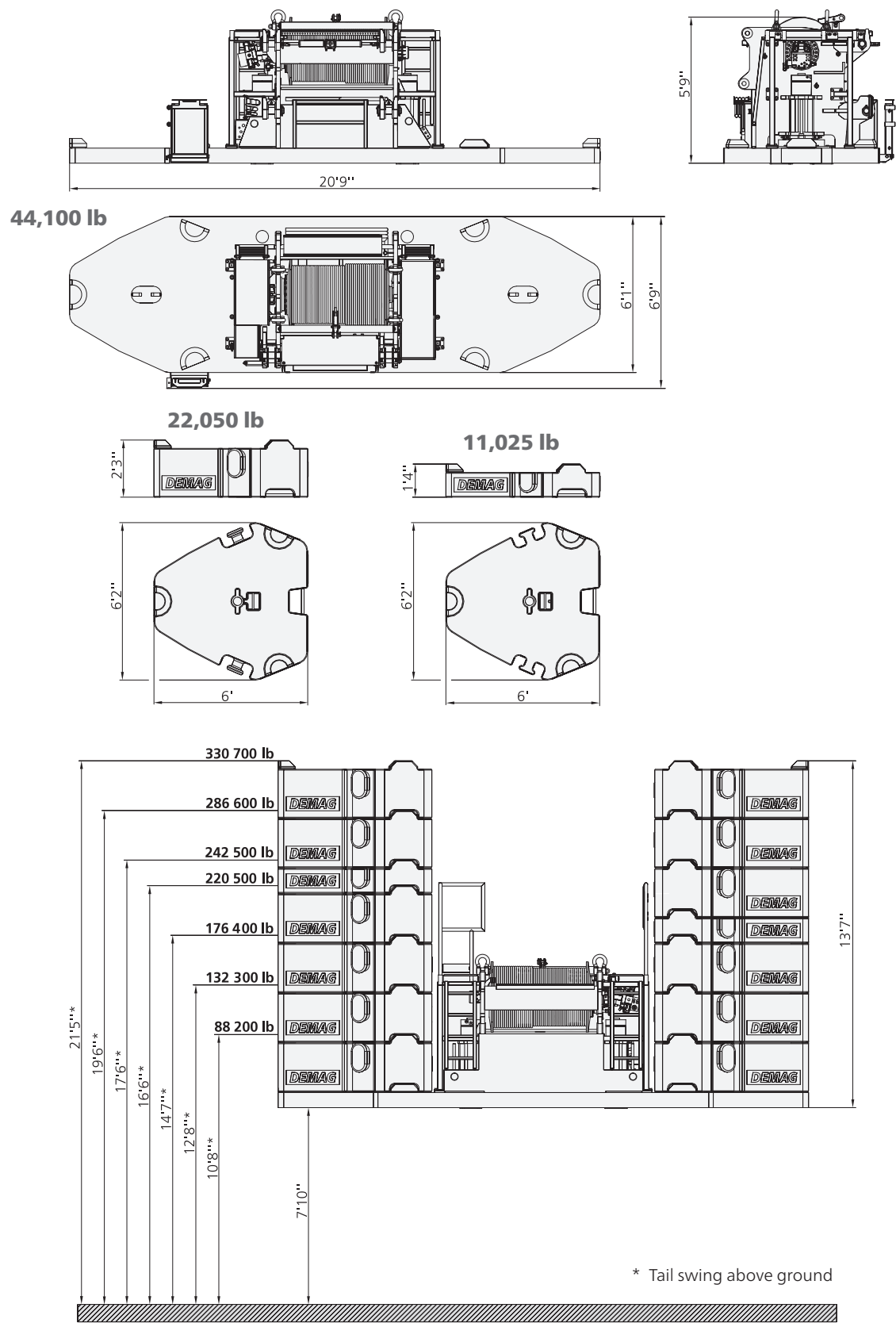
			
	385 / 95 R25 14.00 R25	445 / 95 R25 16.00 R25	525 / 80 R25 20.50 R25
	46 %	41 %	41 %

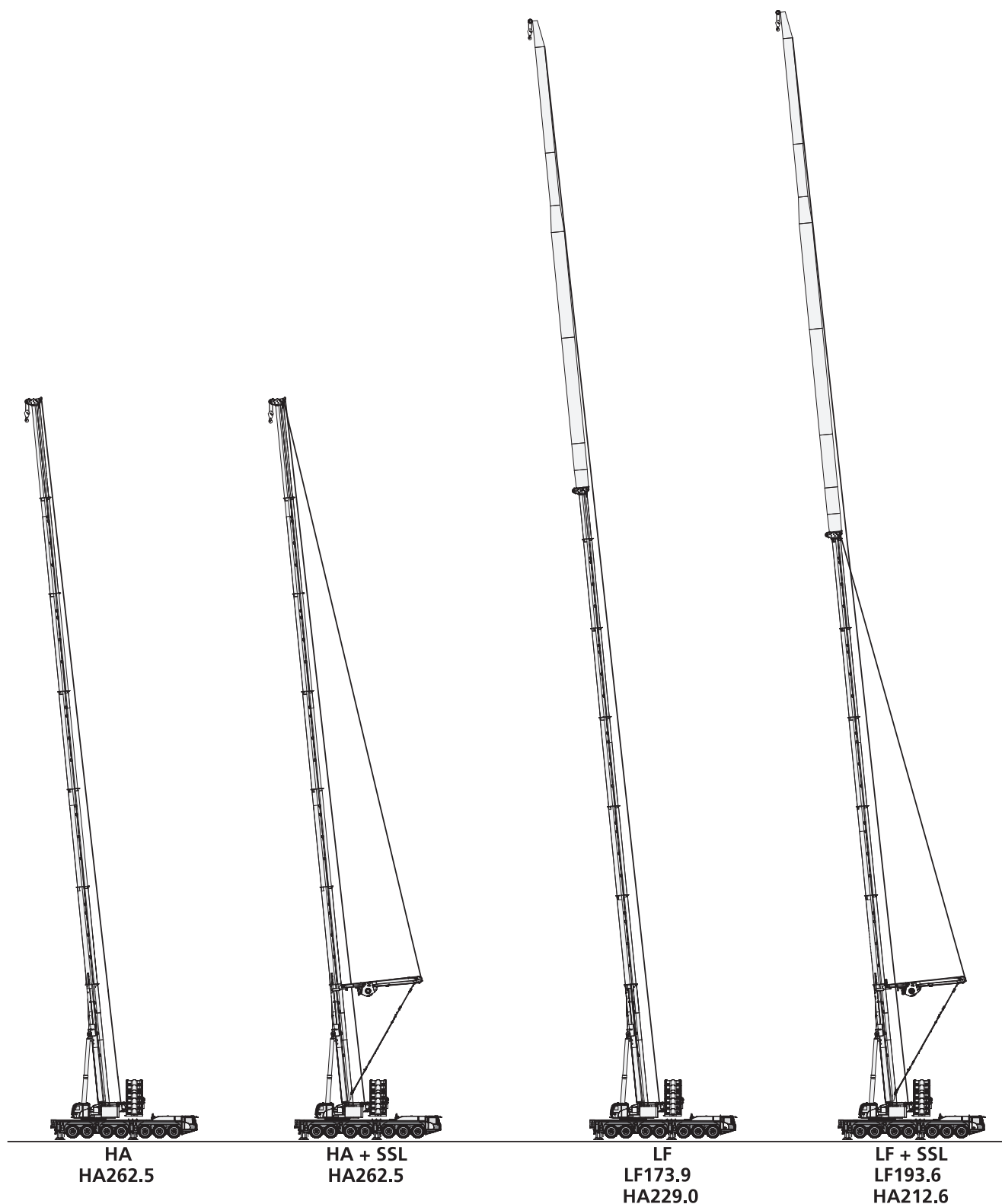
				
				
1	426.5 ft/min	26,078 lbf	0.92"	1427 ft
2	426.5 ft/min	26,078 lbf	0.92"	1854 ft
	1,0 min ⁻¹			
	660 s (48.6 - 262.5 ft)			
	60 s (0° - 84°)			

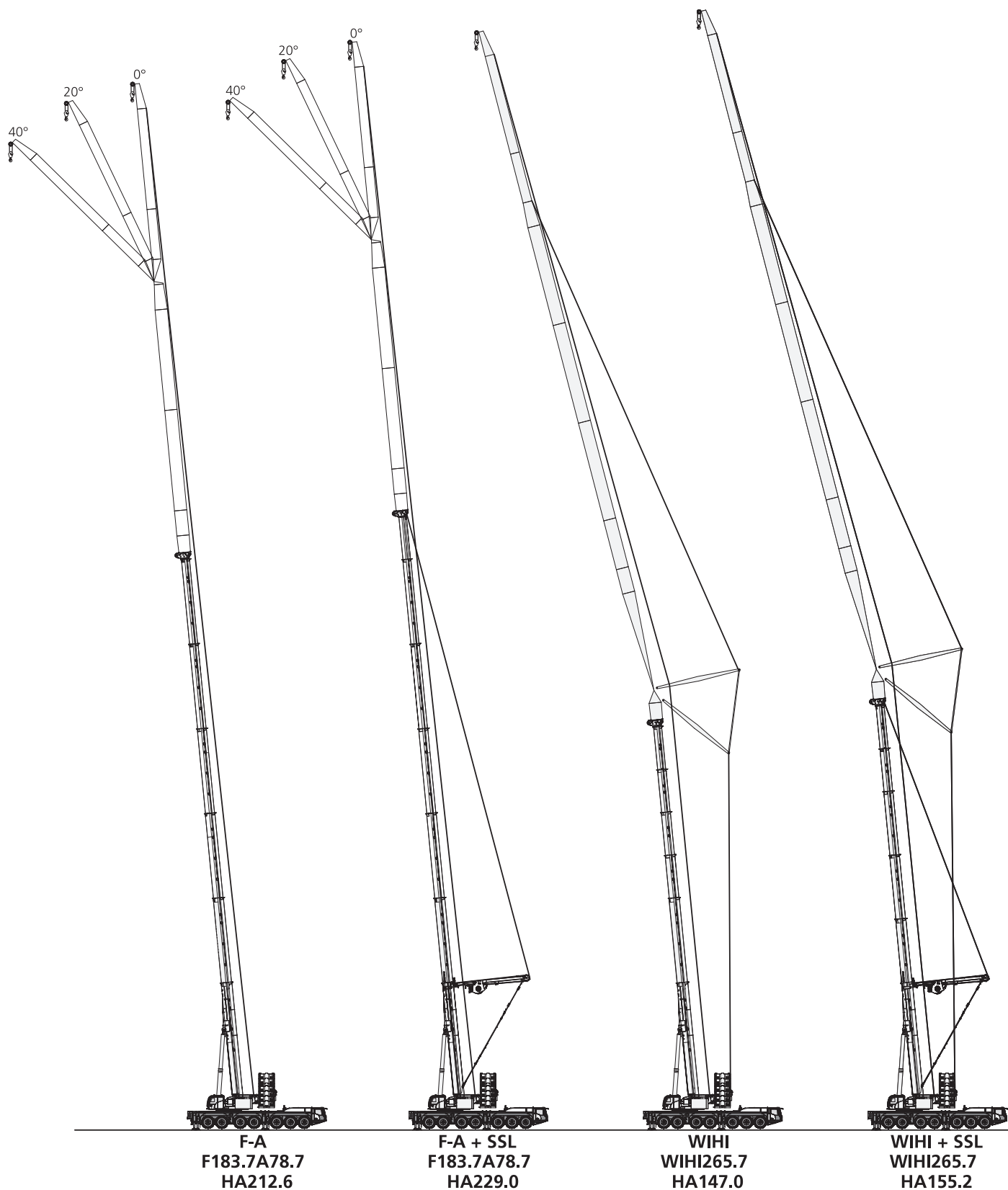
					
1	23,600	12-0-24	6	1,100	6.6 ft
2	47,400	40-1-23	6	1,980	8.9 ft
3	71,000	40-1-23	6	1,980	8.9 ft
4	94,800	80-3-23	6	2,650	9.8 ft
5	118,400	80-3-23	6	2,650	9.8 ft
6	142,200	80-3-23	6	2,650	9.8 ft
7	165,800	80-3-23	6	2,650	9.8 ft
8	189,600	125-5-23	6	3,100	9.8 ft
9	213,200	125-5-23	6	3,100	9.8 ft
10	236,800	125-5-23	6	3,100	9.8 ft
11	260,600	125-5-23	6	3,100	9.8 ft
12	284,200	160-7-23	6	4,190	9.8 ft
13	308,000	160-7-23	6 + 3	4,190	9.8 ft
14	331,600	160-7-23	6 + 3	4,190	9.8 ft
15	355,400	200-9-23	6 + 3	4,410	9.8 ft
16	379,000	200-9-23	6 + 3	4,410	9.8 ft
17	402,800	200-9-23	6 + 3	4,410	9.8 ft
18	426,400	200-9-23	6 + 3	4,410	9.8 ft

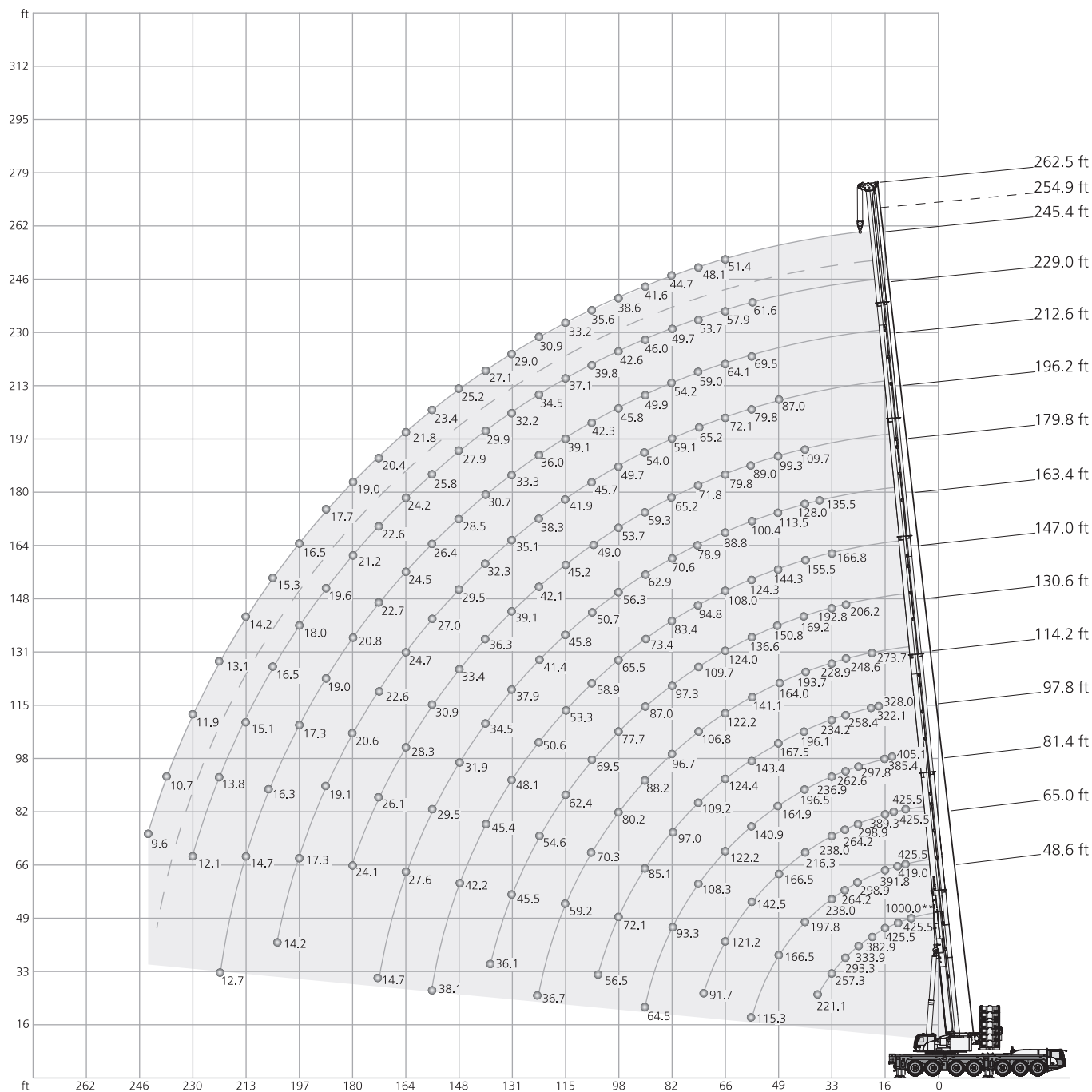
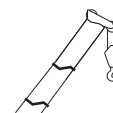
Counterweight






AC 450-7















 330,700 lb		 18.4 ft (STD)		 27.0 ft x 27.7 ft		360°		ASME B30.5											
 0°		(ft)																	
48.6*		48.6	65.0	81.4	97.8	114.2	130.6	147.0	163.4	179.8	196.2	212.6	229.0	245.4	254.9	262.5			
ft		1,000 lb																ft	
8	1000.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
10	425.5 ²⁾	425.5 ²⁾	425.5 ²⁾	425.5 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	425.5 ²⁾	425.5 ²⁾	425.5 ²⁾	425.5 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14	425.5 ²⁾	416.1 ²⁾	419.0 ²⁾	415.5 ²⁾	405.1 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	14	
16	422.2	390.4	391.8	389.3	385.4	-	-	-	-	-	-	-	-	-	-	-	-	16	
18	400.2	360.6	362.7	361.1	358.8	328.0	-	-	-	-	-	-	-	-	-	-	-	18	
20	374.7	332.7	334.9	334.9	333.8	322.1	273.7	-	-	-	-	-	-	-	-	-	-	20	
24	332.4	290.1	292.3	292.3	291.2	285.2	263.6	-	-	-	-	-	-	-	-	-	-	24	
28	293.3	255.4	258.2	257.6	256.5	254.3	248.6	206.2	-	-	-	-	-	-	-	-	-	28	
32	257.3	227.8	230.3	230.0	228.9	228.9	228.1	192.8	166.8	-	-	-	-	-	-	-	-	32	
36	221.1	205.9	208.8	208.8	207.5	209.6	207.7	180.2	155.5	135.5	-	-	-	-	-	-	-	36	
40	-	-	188.6	188.6	187.3	189.5	187.5	169.2	144.3	128.0	109.7	-	-	-	-	-	-	40	
48	-	-	158.6	158.6	157.2	159.4	157.3	150.8	124.3	113.5	99.3	87.0	-	-	-	-	-	48	
56	-	-	115.3	135.7	134.2	136.5	134.3	136.4	108.0	100.4	89.0	79.8	69.5	61.6	57.7	-	-	56	
64	-	-	71.2	117.6	119.7	118.3	116.1	118.8	94.8	88.8	79.8	72.1	64.1	57.9	54.9	51.4	64	64	
72	-	-	-	91.7	105.5	103.7	105.4	104.1	83.4	78.9	71.8	65.2	59.0	53.7	51.4	48.1	72	72	
80	-	-	-	-	92.2	92.1	94.7	92.3	73.4	70.6	65.2	59.1	54.2	49.7	47.2	44.7	80	80	
88	-	-	-	-	64.5	82.0	84.7	82.2	65.5	62.9	59.3	54.0	49.9	46.0	43.4	41.6	88	88	
96	-	-	-	-	-	72.1	75.6	72.9	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	96	96	
104	-	-	-	-	-	56.5	67.7	64.9	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	104	104	
112	-	-	-	-	-	-	59.2	58.1	50.6	45.8	45.2	41.9	39.1	37.1	34.7	33.2	112	112	
120	-	-	-	-	-	-	36.7	52.5	48.1	41.4	42.1	38.3	36.0	34.5	32.3	30.9	120	120	
128	-	-	-	-	-	-	-	45.4	45.4	37.9	39.1	35.1	33.3	32.2	30.0	29.0	128	128	
136	-	-	-	-	-	-	-	36.1	42.2	34.5	36.3	32.3	30.7	29.9	27.8	27.1	136	136	
144	-	-	-	-	-	-	-	17.5	38.1	31.9	33.4	29.5	28.5	27.9	25.9	25.2	144	144	
152	-	-	-	-	-	-	-	-	28.0	29.5	30.9	27.0	26.4	25.8	24.0	23.4	152	152	
160	-	-	-	-	-	-	-	-	24.2	27.6	28.3	24.7	24.5	24.2	22.4	21.8	160	160	
168	-	-	-	-	-	-	-	-	-	14.7	26.1	22.6	22.7	22.6	20.9	20.4	168	168	
176	-	-	-	-	-	-	-	-	-	13.8	24.1	20.6	20.8	21.2	19.4	19.0	176	176	
184	-	-	-	-	-	-	-	-	-	-	-	19.1	19.0	19.6	18.0	17.7	184	184	
192	-	-	-	-	-	-	-	-	-	-	-	17.3	17.3	18.0	16.7	16.5	192	192	
200	-	-	-	-	-	-	-	-	-	-	-	14.2	16.3	16.5	15.5	15.3	200	200	
208	-	-	-	-	-	-	-	-	-	-	-	11.2	14.7	15.1	14.2	14.2	208	208	
216	-	-	-	-	-	-	-	-	-	-	-	10.4	12.7	13.8	12.9	13.1	216	216	
224	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	11.8	11.9	224	224	
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.6	10.7	232	232	
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	9.6	240	240	
1)	73.6	73.6	53.4	41.0	32.0	25.6	19.8	15.7	11.2	7.7	4.0	-	-	-	-	-	1)	1)	

1) Capacities with horizontal boom






2)  308,600 lb

* over rear






** Capacity class

 330,700 lb		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5											
 0°		(ft)																	
48.6 *		48.6	65.0	81.4	97.8	114.2	130.6	147.0	163.4	179.8	196.2	212.6	229.0	245.4	254.9	262.5			
ft		1,000 lb																ft	
10	425.5	425.5 ²⁾	425.5 ²⁾	425.5 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	425.5	425.5 ²⁾	425.5 ²⁾	425.5 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14	425.5	417.8 ³⁾	419.0 ³⁾	417.3 ³⁾	405.1 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	14	
16	425.5	390.4 ³⁾	391.8 ³⁾	389.3 ³⁾	385.4 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	16	
18	406.7	361.1 ³⁾	362.7 ³⁾	361.1 ³⁾	358.8 ³⁾	328.0 ³⁾	-	-	-	-	-	-	-	-	-	-	-	18	
20	382.9	337.0 ⁴⁾	339.2 ⁴⁾	338.2 ⁴⁾	336.1 ⁴⁾	322.1 ⁴⁾	273.7 ⁴⁾	-	-	-	-	-	-	-	-	-	-	20	
24	333.9	296.7 ⁵⁾	298.9 ⁵⁾	298.9 ⁵⁾	297.8 ⁵⁾	285.6 ⁵⁾	263.6 ⁵⁾	-	-	-	-	-	-	-	-	-	-	24	
28	293.3	261.5 ⁵⁾	264.2 ⁵⁾	264.2 ⁵⁾	262.6 ⁵⁾	258.4 ⁵⁾	248.6 ⁵⁾	206.2 ⁵⁾	-	-	-	-	-	-	-	-	-	28	
32	257.3	235.8 ⁶⁾	238.0 ⁶⁾	238.0 ⁶⁾	236.9 ⁶⁾	234.2 ⁶⁾	228.9 ⁶⁾	192.8 ⁶⁾	166.8 ⁶⁾	-	-	-	-	-	-	-	-	32	
36	221.1	213.7 ⁶⁾	216.3 ⁶⁾	216.3 ⁶⁾	215.0 ⁶⁾	212.8 ⁶⁾	211.4 ⁶⁾	180.2 ⁶⁾	155.5 ⁶⁾	135.5 ⁶⁾	-	-	-	-	-	-	-	36	
40	-	-	197.8	197.8	196.5	196.1	193.7	169.2	144.3	128.0	109.7	-	-	-	-	-	-	40	
48	-	-	166.5	166.5	164.9	167.5	164.0	150.8	124.3	113.5	99.3	87.0	-	-	-	-	-	48	
56	-	-	115.3	142.5	140.9	143.4	141.1	136.6	108.0	100.4	89.0	79.8	69.5	61.6	57.7	-	-	56	
64	-	-	71.2	121.2	122.2	124.4	122.2	124.0	94.8	88.8	79.8	72.1	64.1	57.9	54.9	51.4	-	64	
72	-	-	-	91.7	108.3	109.2	106.8	109.7	83.4	78.9	71.8	65.2	59.0	53.7	51.4	48.1	-	72	
80	-	-	-	-	93.3	97.0	96.7	97.3	73.4	70.6	65.2	59.1	54.2	49.7	47.2	44.7	-	80	
88	-	-	-	-	64.5	85.1	88.8	87.0	65.5	62.9	59.3	54.0	49.9	46.0	43.4	41.6	-	88	
96	-	-	-	-	-	72.1	80.2	77.7	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	-	96	
104	-	-	-	-	-	56.5	70.3	69.5	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	-	104	
112	-	-	-	-	-	-	59.2	62.4	50.6	45.8	45.2	41.9	39.1	37.1	34.7	33.2	-	112	
120	-	-	-	-	-	-	36.7	54.6	48.1	41.4	42.1	38.3	36.0	34.5	32.3	30.9	-	120	
128	-	-	-	-	-	-	-	45.5	45.4	37.9	39.1	35.1	33.3	32.2	30.0	29.0	-	128	
136	-	-	-	-	-	-	-	36.1	42.2	34.5	36.3	32.3	30.7	29.9	27.8	27.1	-	136	
144	-	-	-	-	-	-	-	17.5	38.1	31.9	33.4	29.5	28.5	27.9	25.9	25.2	-	144	
152	-	-	-	-	-	-	-	-	28.0	29.5	30.9	27.0	26.4	25.8	24.0	23.4	-	152	
160	-	-	-	-	-	-	-	-	24.2	27.6	28.3	24.7	24.5	24.2	22.4	21.8	-	160	
168	-	-	-	-	-	-	-	-	-	14.7	26.1	22.6	22.7	22.6	20.9	20.4	-	168	
176	-	-	-	-	-	-	-	-	-	13.8	24.1	20.6	20.8	21.2	19.4	19.0	-	176	
184	-	-	-	-	-	-	-	-	-	-	-	19.1	19.0	19.6	18.0	17.7	-	184	
192	-	-	-	-	-	-	-	-	-	-	-	17.3	17.3	18.0	16.7	16.5	-	192	
200	-	-	-	-	-	-	-	-	-	-	-	14.2	16.3	16.5	15.5	15.3	-	200	
208	-	-	-	-	-	-	-	-	-	-	-	11.2	14.7	15.1	14.2	14.2	-	208	
216	-	-	-	-	-	-	-	-	-	-	-	10.4	12.7	13.8	12.9	13.1	-	216	
224	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	11.8	11.9	-	224	
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.6	10.7	-	232	
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	9.6	-	240	
1)	73.6	73.6 ⁶⁾	53.4	41.0	32.0	25.6	19.8	15.7	11.2	7.7	4.0	-	-	-	-	-	-	1)	



1) Capacities with horizontal boom

2)  220,500 lb3)  242,500 lb4)  264,600 lb5)  286,600 lb6)  308,600 lb







* over rear

 264,600 lb			 19.7 ft (XL)			 27.0 ft x 27.7 ft			360°			ASME B30.5							
 0°		(ft)																	
48.6 *		48.6	65.0	81.4	97.8	114.2	130.6	147.0	163.4	179.8	196.2	212.6	229.0	245.4	254.9	262.5			
ft		1,000 lb																ft	
10	425.5	425.5 ²⁾	425.5 ²⁾	425.5 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	425.5	425.5 ²⁾	425.5 ²⁾	425.5 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14	425.5	417.8 ³⁾	419.0 ³⁾	417.3 ³⁾	405.1 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	14	
16	425.5	390.4 ³⁾	391.8 ³⁾	389.3 ³⁾	385.4 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	16	
18	406.7	361.1 ³⁾	362.7 ³⁾	361.1 ³⁾	358.8 ³⁾	328.0 ³⁾	-	-	-	-	-	-	-	-	-	-	-	18	
20	382.9	337.0	339.2	338.2	336.1	322.1	273.7	-	-	-	-	-	-	-	-	-	-	20	
24	333.9	293.4	295.6	295.6	294.5	285.6	263.6	-	-	-	-	-	-	-	-	-	-	24	
28	293.3	258.7	260.9	260.9	259.8	256.6	248.6	206.2	-	-	-	-	-	-	-	-	-	28	
32	257.3	230.3	233.3	233.3	231.4	230.0	228.9	192.8	166.8	-	-	-	-	-	-	-	-	32	
36	221.1	208.6	211.4	211.4	209.9	211.1	210.1	180.2	155.5	135.5	-	-	-	-	-	-	-	36	
40	-	-	191.0	191.0	189.5	191.9	189.7	169.2	144.3	128.0	109.7	-	-	-	-	-	-	40	
48	-	-	160.6	160.6	159.3	161.5	159.3	150.8	124.3	113.5	99.3	87.0	-	-	-	-	-	48	
56	-	-	115.3	136.3	134.7	137.1	134.9	136.4	108.0	100.4	89.0	79.8	69.5	61.6	57.7	-	-	56	
64	-	-	71.2	115.4	118.1	116.3	115.9	116.9	94.8	88.8	79.8	72.1	64.1	57.9	54.9	51.4	-	64	
72	-	-	-	91.7	101.3	99.6	102.6	100.0	83.4	78.9	71.8	65.2	59.0	53.7	51.4	48.1	-	72	
80	-	-	-	-	88.1	87.9	89.7	87.1	73.4	70.6	65.2	59.1	54.2	49.7	47.2	44.7	-	80	
88	-	-	-	-	64.5	80.3	79.1	76.3	65.5	62.9	59.3	54.0	49.9	46.0	43.4	41.6	-	88	
96	-	-	-	-	-	72.1	70.2	67.5	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	-	96	
104	-	-	-	-	-	56.5	62.6	60.0	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	-	104	
112	-	-	-	-	-	-	56.1	53.5	50.6	45.8	45.2	41.9	39.1	37.1	34.7	33.2	-	112	
120	-	-	-	-	-	-	36.7	48.2	48.1	41.4	42.1	38.3	36.0	34.5	32.3	30.9	-	120	
128	-	-	-	-	-	-	-	43.3	45.2	37.9	39.1	35.1	33.3	32.2	30.0	29.0	-	128	
136	-	-	-	-	-	-	-	36.1	41.5	34.5	36.3	32.3	30.7	29.9	27.8	27.1	-	136	
144	-	-	-	-	-	-	-	17.5	37.6	31.9	33.4	29.5	28.5	27.9	25.9	25.2	-	144	
152	-	-	-	-	-	-	-	-	28.0	29.5	30.9	27.0	26.4	25.8	24.0	23.4	-	152	
160	-	-	-	-	-	-	-	-	24.2	27.6	28.3	24.7	24.5	24.2	22.4	21.8	-	160	
168	-	-	-	-	-	-	-	-	-	14.7	26.0	22.6	22.7	22.6	20.9	20.4	-	168	
176	-	-	-	-	-	-	-	-	-	13.8	23.7	20.6	20.8	21.2	19.4	19.0	-	176	
184	-	-	-	-	-	-	-	-	-	-	-	19.1	19.0	19.6	18.0	17.7	-	184	
192	-	-	-	-	-	-	-	-	-	-	-	17.3	17.3	18.0	16.7	16.5	-	192	
200	-	-	-	-	-	-	-	-	-	-	-	14.2	16.3	16.5	15.5	15.3	-	200	
208	-	-	-	-	-	-	-	-	-	-	-	11.2	14.7	15.0	14.2	14.2	-	208	
216	-	-	-	-	-	-	-	-	-	-	-	10.4	12.7	13.5	12.9	13.1	-	216	
224	-	-	-	-	-	-	-	-	-	-	-	-	-	11.8	11.5	11.6	-	224	
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.2	10.2	-	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	8.8	-	240
1)	73.6	73.6	53.4	41.0	32.0	25.6	19.8	15.7	11.2	7.7	4.0	-	-	-	-	-	-	1)	

1) Capacities with horizontal boom

2)  220,500 lb3)  242,500 lb

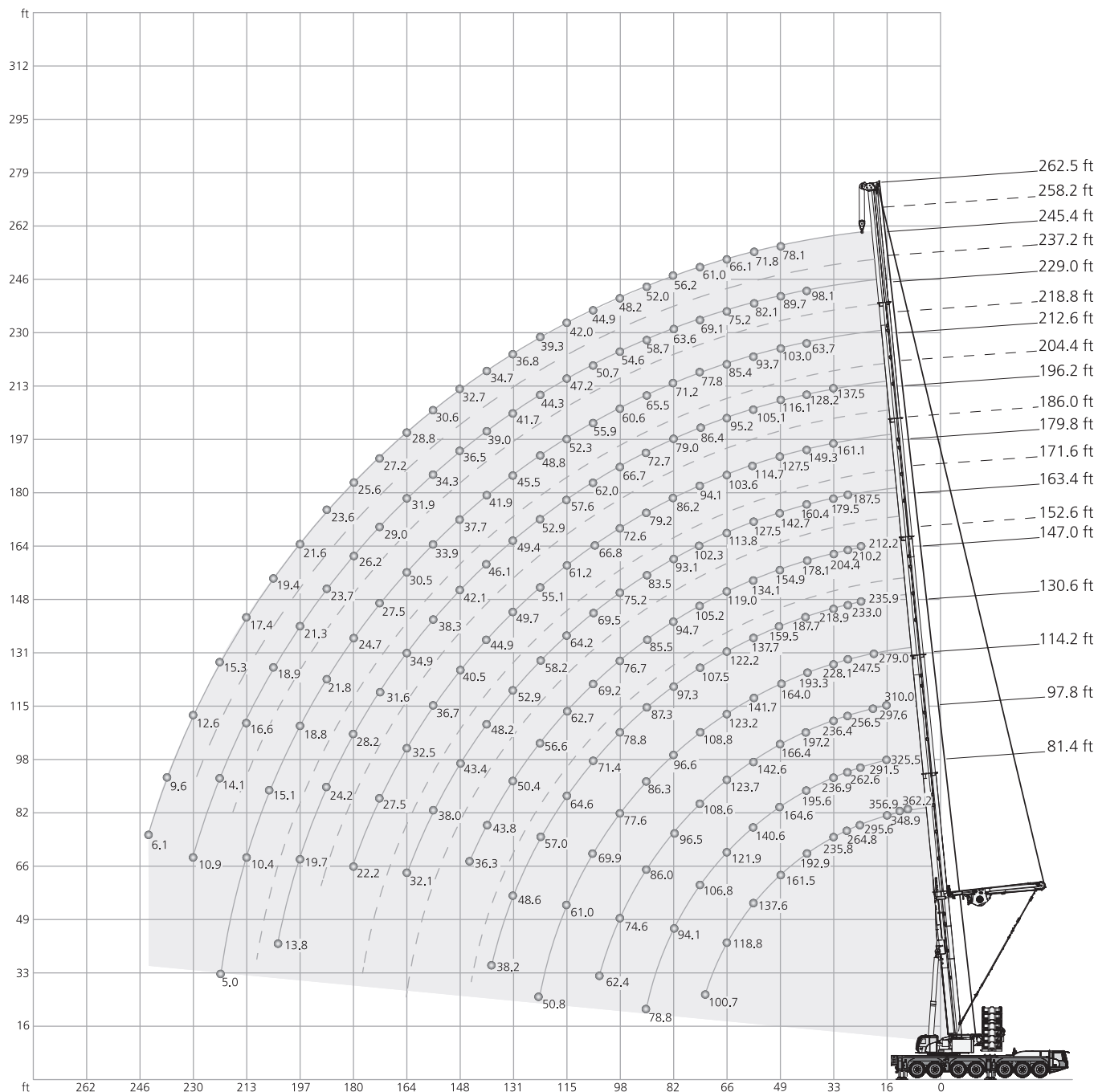
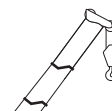
* over rear






 132,300 lb				 19.7 ft (XL)				 27.0 ft x 27.7 ft				360°				ASME B30.5			
 		(ft)																	
ft		48.6	65.0	81.4	97.8	114.2	130.6	147.0	163.4	179.8	196.2	212.6	229.0	245.4	254.9	262.5	ft		
		1,000 lb																	
10		425.5	425.5	425.5	-	-	-	-	-	-	-	-	-	-	-	-	10		
12		423.4	423.8	423.1	-	-	-	-	-	-	-	-	-	-	-	-	12		
14		402.4	404.1	402.5	396.8	-	-	-	-	-	-	-	-	-	-	-	14		
16		368.1	370.3	370.3	369.2	-	-	-	-	-	-	-	-	-	-	-	16		
18		340.1	342.3	342.3	341.2	323.7	-	-	-	-	-	-	-	-	-	-	18		
20		314.1	316.4	316.3	315.2	313.1	273.7	-	-	-	-	-	-	-	-	-	20		
24		272.8	276.1	275.4	273.9	274.2	262.6	-	-	-	-	-	-	-	-	-	24		
28		234.7	238.1	238.1	235.9	239.2	236.5	206.2	-	-	-	-	-	-	-	-	28		
32		199.4	203.1	203.1	205.9	204.2	201.6	192.8	166.8	-	-	-	-	-	-	-	32		
36		173.8	179.4	177.8	180.6	178.9	174.5	171.4	155.5	135.5	-	-	-	-	-	-	36		
40		-	156.8	158.3	157.9	156.1	159.0	148.0	138.6	127.8	109.7	-	-	-	-	-	40		
48		-	119.2	120.9	120.3	124.9	122.1	115.1	109.4	103.2	98.7	87.0	-	-	-	-	48		
56		-	93.1	93.3	96.8	95.7	93.0	91.5	87.4	85.5	82.8	79.1	69.5	61.6	57.7	-	56		
64		-	71.2	76.7	77.1	76.0	73.6	73.6	73.4	69.1	70.2	64.8	63.7	57.9	54.9	51.4	64		
72		-	-	62.7	63.1	62.0	61.6	62.4	61.3	58.9	57.4	57.7	53.8	53.7	51.4	48.1	72		
80		-	-	-	52.7	51.6	54.4	52.2	50.9	49.6	50.2	48.2	48.4	46.2	44.9	44.2	80		
88		-	-	-	44.9	46.6	46.1	45.3	43.0	43.2	42.4	42.9	41.6	38.9	37.5	37.5	88		
96		-	-	-	-	40.9	39.6	38.8	38.5	36.9	37.8	37.1	34.8	32.4	31.1	31.1	96		
104		-	-	-	-	35.7	34.1	33.8	33.1	33.3	32.9	31.5	29.1	27.1	26.0	26.0	104		
112		-	-	-	-	-	29.5	30.8	29.0	29.3	28.0	26.7	24.2	22.3	21.6	21.6	112		
120		-	-	-	-	-	22.4	26.7	26.4	25.9	24.0	22.8	20.3	18.4	17.8	17.9	120		
128		-	-	-	-	-	-	23.4	23.4	22.5	20.5	19.4	17.0	15.0	14.6	14.6	128		
136		-	-	-	-	-	-	21.0	20.4	19.6	17.6	16.3	13.9	11.9	11.7	11.8	136		
144		-	-	-	-	-	-	17.5	17.8	17.1	14.9	13.6	11.4	9.4	9.1	9.2	144		
152		-	-	-	-	-	-	-	10.7	14.7	12.7	11.4	9.2	7.0	6.8	7.0	152		
160		-	-	-	-	-	-	-	8.8	12.6	10.7	9.3	7.1	-	-	-	160		
168		-	-	-	-	-	-	-	-	10.9	8.9	7.6	-	-	-	-	168		
176		-	-	-	-	-	-	-	-	9.3	7.3	6.0	-	-	-	-	176		
1)		73.6	53.4	41.0	32.0	25.6	19.8	15.7	11.2	7.7	4.0	-	-	-	-	-	1)		




1) Capacities with horizontal boom

[illegible]










1) Capacities with horizontal boom

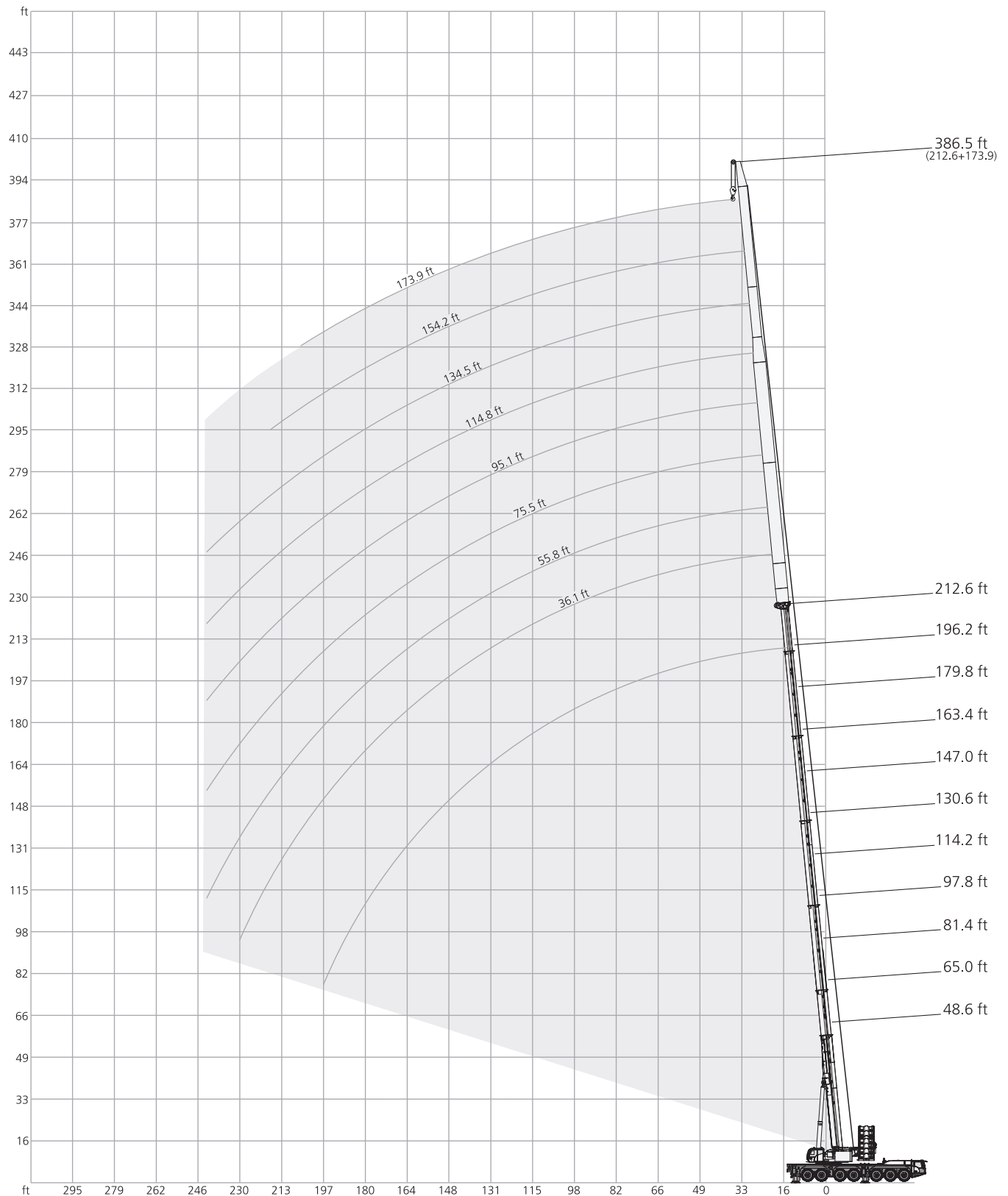
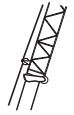








 330,700 lb		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5															
		(ft)																					
ft		81.4	97.8	114.2	130.6	147.0	152.6	163.4	171.6	179.8	186.0	196.2	204.4	212.6	218.8	229.0	237.2	245.4	258.2	262.5	ft		
		1,000 lb																					
10	362.2 ¹⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12	356.9 ¹⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14	352.1 ²⁾ 331.1 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16	348.9 ²⁾ 325.2 ²⁾ 310.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
18	340.8 ²⁾ 319.8 ²⁾ 303.8 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
20	332.6 ³⁾ 313.5 ³⁾ 297.6 ³⁾ 279.0 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
24	295.6 ³⁾ 291.5 ³⁾ 281.9 ³⁾ 265.6 ³⁾ 235.9 ³⁾ 213.2 ³⁾ 212.2 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24		
28	264.8	264.8	256.5	247.5	233.0	213.2	210.2	189.6	187.5	-	-	-	-	-	-	-	-	-	-	-	28		
30	249.3	250.4	248.5	237.9	228.1	212.5	206.5	189.6	184.5	165.8	161.1	142.2	-	-	-	-	-	-	-	-	30		
32	235.8	236.9	236.4	228.1	218.9	209.7	201.4	189.6	179.5	165.6	157.1	142.2	-	-	-	-	-	-	-	-	32		
34	224.1	226.4	226.2	219.6	211.2	204.1	195.8	186.6	174.6	163.1	153.2	141.0	137.5	124.8	-	-	-	-	-	-	34		
36	213.4	215.9	215.5	210.7	203.3	196.7	189.9	181.4	169.9	158.8	149.3	139.1	134.4	121.9	-	-	-	-	-	-	36		
40	192.9	195.6	197.2	193.3	187.7	182.0	178.1	171.3	160.4	150.4	141.7	134.7	128.2	120.8	113.0	105.5	98.1	-	-	-	40		
48	161.5	164.6	166.4	164.0	159.5	157.2	154.9	151.3	142.7	134.5	127.5	121.6	116.1	109.9	103.0	96.3	89.7	81.4	78.1	-	48		
56	137.6	140.6	142.6	141.7	137.7	136.7	134.1	132.0	127.5	120.7	114.7	109.8	105.1	99.7	93.7	88.0	82.1	74.8	71.8	-	56		
64	118.8	121.9	123.7	123.2	122.2	119.2	119.0	117.0	113.8	108.5	103.6	99.3	95.2	90.6	85.4	80.4	75.2	68.8	66.1	-	64		
72	100.7	106.8	108.6	108.8	107.5	107.2	105.2	105.4	102.3	98.3	94.1	90.1	86.4	82.2	77.8	73.6	69.1	63.2	61.0	-	72		
80	-	94.1	96.5	96.6	97.3	95.3	94.7	94.0	93.1	89.5	86.2	82.5	79.0	75.3	71.2	67.5	63.6	58.4	56.2	-	80		
88	-	78.8	86.0	86.3	87.3	86.3	85.5	84.9	83.5	81.8	79.2	75.6	72.7	69.3	65.5	62.1	58.7	53.9	52.0	-	88		
96	-	56.1	74.6	77.6	78.8	78.8	76.7	77.4	75.2	74.8	72.6	69.9	66.7	63.8	60.6	57.5	54.6	49.9	48.2	-	96		
104	-	-	62.4	69.9	71.4	71.7	69.2	69.9	69.5	67.3	66.8	64.4	62.0	59.0	55.9	53.2	50.7	46.5	44.9	-	104		
112	-	-	-	61.0	64.6	65.1	62.7	63.4	64.2	62.4	61.2	59.1	57.6	54.9	52.3	49.4	47.2	43.3	42.0	-	112		
120	-	-	-	50.8	57.0	58.3	56.6	57.5	58.2	57.9	55.1	54.9	52.9	51.0	48.8	46.5	44.3	40.4	39.3	-	120		
128	-	-	-	36.3	48.6	50.8	50.4	52.0	52.9	53.1	49.7	50.1	49.4	47.7	45.5	43.5	41.7	38.0	36.8	-	128		
136	-	-	-	-	38.2	42.2	43.8	46.5	48.2	48.4	44.9	45.3	46.1	44.8	41.9	40.6	39.0	35.8	34.7	-	136		
144	-	-	-	-	-	30.1	36.3	40.4	43.4	44.3	40.5	41.2	42.1	41.8	37.7	38.0	36.5	33.6	32.7	-	144		
152	-	-	-	-	-	-	-	33.3	38.0	39.7	36.7	37.4	38.3	38.1	33.9	34.8	34.3	31.5	30.6	-	152		
160	-	-	-	-	-	-	-	23.2	32.1	34.5	32.5	34.0	34.9	34.9	30.5	31.4	31.9	29.6	28.8	-	160		
168	-	-	-	-	-	-	-	-	-	28.0	27.5	30.0	31.6	31.9	27.5	28.4	29.0	27.7	27.2	-	168		
176	-	-	-	-	-	-	-	-	-	20.5	22.2	25.6	28.2	29.1	24.7	25.5	26.2	25.8	25.6	-	176		
184	-	-	-	-	-	-	-	-	-	-	-	19.9	24.2	25.8	21.8	23.1	23.7	23.7	23.6	-	184		
192	-	-	-	-	-	-	-	-	-	-	-	-	19.7	22.3	18.8	20.5	21.3	21.6	21.6	-	192		
200	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8	18.1	15.1	17.2	18.9	19.4	-	200		
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.2	10.4	13.6	16.6	17.3	-	208		
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	5.0	9.7	14.1	15.1	-	216		
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	12.2	-	224		
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6	232		
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	240		


1)  264,600 lb2)  286,600 lb3)  308,600 lb

DEMAG®
TADANO GROUP


 132,300 lb		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5																															
 81.4		 97.8		 114.2		 130.6		 147.0		152.6		163.4		171.6		179.8		186.0		196.2		204.4		212.6		218.8		229.0		237.2		245.4		258.2		262.5			
ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft			
1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb		1,000 lb			
10	362.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10			
12	356.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12			
14	352.1	331.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14			
16	348.9	325.2	310.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16			
18	328.0	316.0	303.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18			
20	309.7	305.4	296.3	279.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20			
24	271.0	271.0	267.7	262.8	235.9	213.2	212.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24			
28	236.6	239.4	238.3	236.6	228.8	213.2	210.2	189.6	187.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28			
30	220.0	223.3	225.5	223.5	218.9	210.1	204.1	188.2	184.4	165.8	161.1	142.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30			
32	203.7	207.3	209.2	208.5	202.7	197.8	192.8	183.3	179.0	165.6	157.1	142.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32			
34	189.9	193.6	195.8	195.2	192.9	185.9	183.5	176.1	170.4	160.9	152.5	140.9	137.5	124.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34			
36	177.8	181.4	183.6	183.0	181.3	175.1	172.0	167.0	160.9	153.9	147.5	138.8	134.4	121.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36			
40	154.7	158.2	160.4	160.7	162.0	159.9	154.5	152.8	145.5	142.9	137.8	132.8	127.1	120.2	112.9	105.5	98.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40			
48	121.0	124.9	127.4	127.6	129.0	128.8	122.2	121.2	120.5	119.1	111.4	110.4	107.8	104.2	99.6	95.0	89.7	81.4	78.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48			
56	92.5	97.1	100.0	100.0	101.8	102.2	97.6	97.9	98.0	97.0	90.1	89.5	89.6	88.2	80.2	80.0	79.2	74.5	71.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56			
64	72.0	76.2	78.9	78.9	80.7	81.1	77.6	78.7	79.6	79.8	74.0	73.9	74.1	72.9	65.5	65.5	65.7	63.9	63.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64			
72	57.2	61.4	63.8	63.8	65.4	65.8	62.5	63.6	64.5	64.9	60.5	61.1	62.0	61.1	53.8	54.0	54.5	53.1	53.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72			
80	-	50.4	52.8	52.8	54.3	54.6	51.5	52.4	53.4	53.9	49.4	50.1	51.4	51.4	44.8	45.1	45.6	44.5	44.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80			
88	-	41.7	44.1	44.0	45.4	45.9	42.6	43.6	44.6	45.0	40.5	41.2	42.5	42.5	36.5	37.4	38.2	37.2	37.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88			
96	-	34.6	36.9	36.6	38.2	38.6	35.1	36.2	37.3	37.8	33.0	33.8	35.0	35.1	29.2	30.3	31.4	30.8	30.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96			
104	-	-	31.1	30.7	32.0	32.5	29.1	30.1	31.2	31.6	26.9	27.6	28.9	28.9	23.2	24.3	25.2	24.9	25.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104			
112	-	-	-	25.6	27.1	27.5	24.0	25.1	26.0	26.4	21.8	22.7	23.8	23.8	18.1	19.2	20.2	20.3	20.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112			
120	-	-	-	21.6	22.9	23.4	19.8	20.7	21.8	22.2	17.6	18.3	19.6	19.6	13.9	15.0	15.9	16.1	16.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120			
128	-	-	-	18.2	19.4	19.7	16.3	17.2	18.2	18.5	14.1	14.8	16.0	16.0	10.3	11.4	12.3	12.5	12.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128			
136	-	-	-	-	16.3	16.7	13.2	14.1	15.0	15.4	10.9	11.5	12.8	12.8	7.3	8.2	9.1	9.3	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136			
144	-	-	-	-	-	14.2	10.7	11.4	12.2	12.7	8.3	8.9	10.0	10.0	-	5.4	6.3	6.5	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	144			
152	-	-	-	-	-	-	-	9.2	9.9	10.3	-	6.5	7.6	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152			
160	-	-	-	-	-	-	-	7.2	8.0	8.1	-	-	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160			
168	-	-	-	-	-	-	-	-	-	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168			
176	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176			




 179.8 ft		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5	
 36.1 ft	 55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	
ft									ft
1,000 lb									
48	85.1	68.7	-	-	-	-	-	-	48
56	77.7	65.6	52.7	43.4	-	-	-	-	56
64	70.1	61.7	50.0	41.1	34.8	-	-	-	64
72	63.0	57.0	47.2	38.6	32.9	27.8	22.3	-	72
80	57.1	52.1	44.6	36.3	30.8	26.4	21.0	17.5	80
88	51.8	47.5	42.0	34.1	28.9	24.8	19.9	16.6	88
96	47.4	43.3	39.5	32.1	27.2	23.2	18.8	15.7	96
104	43.3	39.7	36.9	30.4	25.6	21.8	17.8	14.7	104
112	39.3	36.4	34.2	28.8	24.2	20.4	16.7	13.8	112
120	35.8	33.5	31.6	27.2	22.8	19.4	15.6	13.0	120
128	32.5	30.6	29.2	25.6	21.6	18.3	14.7	12.2	128
136	29.5	27.9	26.8	24.0	20.7	17.2	13.8	11.4	136
144	26.6	25.5	24.6	22.3	19.7	16.4	13.0	10.8	144
152	23.9	23.3	22.5	20.9	18.8	15.5	12.2	10.1	152
160	21.6	21.1	20.7	19.4	17.8	14.7	11.5	9.5	160
168	19.5	19.1	19.0	18.0	16.9	13.9	10.9	8.9	168
176	17.5	17.2	17.2	16.5	15.8	13.1	10.2	8.3	176
184	15.6	15.5	15.7	15.2	14.7	12.4	9.7	7.7	184
192	13.5	13.8	14.2	13.8	13.6	11.7	9.1	7.2	192
200	10.5	12.2	12.8	12.5	12.4	10.9	8.6	6.6	200
208	-	10.7	11.3	11.2	11.3	10.2	8.0	6.2	208
216	-	9.3	9.8	10.0	10.2	9.5	7.3	5.8	216
224	-	-	8.6	8.8	9.1	8.9	6.8	5.4	224
232	-	-	-	7.6	8.1	8.1	6.2	-	232
240	-	-	-	6.5	7.0	7.2	5.5	-	240
248	-	-	-	5.5	6.0	6.2	-	-	248




88,200 lb




110,200 lb




132,300 lb




154,350 lb




176,400 lb




198,400 lb




220,500 lb














242,500 lb










264,600 lb




286,600 lb

 212.6 ft		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5									
 36.1 ft		 55.8 ft		 75.5 ft		 95.1 ft		 114.8 ft		134.5 ft		 154.2 ft		 173.9 ft		 193.6 ft	
ft		ft		ft		ft		1,000 lb		ft		ft		ft		ft	
56	55.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
64	53.7	45.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72	49.7	43.0	37.7	30.6	-	-	-	-	-	-	-	-	-	-	-	-	72
80	45.7	40.1	35.6	30.6	24.5	18.7	-	-	-	-	-	-	-	-	-	-	80
88	42.0	36.8	33.0	29.5	24.2	18.7	16.7	-	-	-	-	-	-	-	-	-	88
96	38.7	33.9	30.5	27.3	23.1	18.7	16.3	13.6	-	-	-	-	-	-	-	-	96
104	35.6	31.4	28.1	25.2	21.6	18.6	15.7	13.1	-	-	-	-	-	-	-	-	104
112	32.9	29.0	26.1	23.3	20.0	17.8	15.2	12.5	-	-	-	-	-	-	-	-	112
120	30.3	26.8	24.2	21.7	18.4	16.7	14.4	12.0	-	-	-	-	-	-	-	-	120
128	27.9	24.8	22.6	20.2	17.1	15.4	13.4	11.3	-	-	-	-	-	-	-	-	128
136	25.6	22.9	21.1	18.7	15.9	14.4	12.4	10.5	-	-	-	-	-	-	-	-	136
144	23.5	21.2	19.7	17.5	14.8	13.3	11.5	9.9	-	-	-	-	-	-	-	-	144
152	21.6	19.4	18.3	16.2	13.7	12.2	10.5	9.2	-	-	-	-	-	-	-	-	152
160	19.8	17.9	16.8	15.1	12.8	11.3	9.7	8.3	-	-	-	-	-	-	-	-	160
168	18.2	16.5	15.5	14.0	11.9	10.5	8.9	7.6	-	-	-	-	-	-	-	-	168
176	16.7	15.2	14.3	12.9	10.9	9.8	8.1	6.9	-	-	-	-	-	-	-	-	176
184	15.3	14.0	13.2	12.0	10.2	9.1	7.5	6.3	-	-	-	-	-	-	-	-	184
192	13.8	12.7	12.1	11.1	9.5	8.5	6.9	5.6	-	-	-	-	-	-	-	-	192
200	12.3	11.5	11.0	10.3	8.7	7.8	6.4	5.1	-	-	-	-	-	-	-	-	200
208	10.8	10.3	10.0	9.4	8.0	7.2	5.9	-	-	-	-	-	-	-	-	-	208
216	9.4	9.1	9.1	8.4	7.3	6.6	5.3	-	-	-	-	-	-	-	-	-	216
224	8.1	7.9	8.0	7.5	6.6	6.0	-	-	-	-	-	-	-	-	-	-	224
232	-	6.7	7.0	6.6	6.0	5.3	-	-	-	-	-	-	-	-	-	-	232
240	-	5.7	5.9	5.8	5.3	4.6	-	-	-	-	-	-	-	-	-	-	240

	88,200 lb	110,200 lb	132,300 lb	154,350 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb
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 245.4 ft		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5		
	 36.1 ft	55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	
ft	1,000 lb									ft
64	37.1	-	-	-	-	-	-	-	-	64
72	36.6	29.3	-	-	-	-	-	-	-	72
80	35.1	29.1	22.7	18.5	15.2	-	-	-	-	80
88	32.5	27.5	22.3	18.5	15.2	-	-	-	-	88
96	30.2	25.5	20.8	18.0	15.2	12.6	8.2	-	-	96
104	28.0	23.8	19.3	16.7	14.8	12.6	8.2	-	-	104
112	26.1	22.2	18.0	15.6	13.8	12.3	8.2	-	-	112
120	24.3	20.6	16.7	14.5	12.8	11.2	8.2	-	-	120
128	22.7	19.3	15.6	13.4	11.8	10.2	8.2	-	-	128
136	21.2	18.1	14.6	12.5	11.0	9.4	7.7	-	-	136
144	19.9	17.0	13.7	11.5	10.2	8.6	7.1	-	-	144
152	18.8	15.9	12.9	10.7	9.4	8.0	6.3	-	-	152
160	17.4	14.9	12.1	10.1	8.8	7.3	5.8	-	-	160
168	16.2	13.9	11.3	9.4	8.1	6.8	5.2	-	-	168
176	15.1	12.9	10.5	8.9	7.6	6.3	4.7	-	-	176
184	14.1	12.0	9.8	8.2	7.0	5.7	-	-	-	184
192	13.0	11.1	9.1	7.6	6.5	5.2	-	-	-	192
200	11.9	10.3	8.4	7.1	6.1	4.8	-	-	-	200
208	10.9	9.5	7.8	6.5	5.6	-	-	-	-	208
216	10.0	8.7	7.1	6.0	5.1	-	-	-	-	216
224	9.0	7.8	6.6	5.5	-	-	-	-	-	224
232	8.1	7.0	6.0	-	-	-	-	-	-	232
240	7.0	6.2	5.3	-	-	-	-	-	-	240
248	6.0	5.4	-	-	-	-	-	-	-	248



88,200 lb

110,200 lb

132,300 lb

154,350 lb

176,400 lb

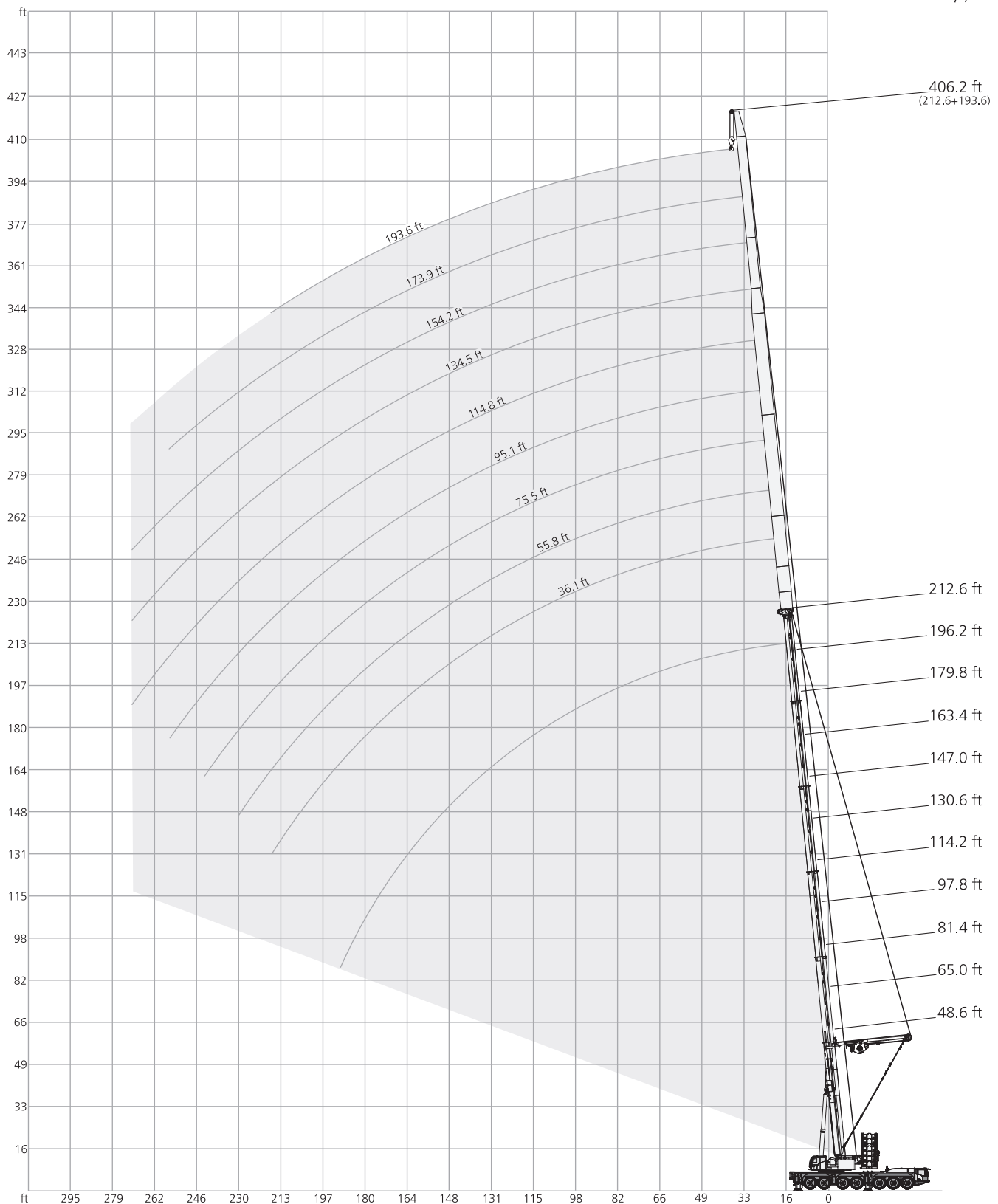
198,400 lb







220,500 lb


242,500 lb

264,600 lb







286,600 lb



















 179.8 ft		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5		
	 36.1 ft	55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	
ft	1,000 lb									ft
34	126.5	-	-	-	-	-	-	-	-	34
36	124.1	-	-	-	-	-	-	-	-	36
40	119.4	91.2	72.9	-	-	-	-	-	-	40
48	109.1	84.3	67.1	55.7	-	-	-	-	-	48
56	98.0	78.1	61.8	51.2	43.0	36.8	-	-	-	56
64	88.1	72.5	57.3	47.3	39.7	34.1	29.6	-	-	64
72	79.3	67.8	53.2	43.7	36.7	31.4	27.2	22.3	-	72
80	72.6	63.2	49.5	40.6	34.0	29.2	25.1	20.7	17.4	80
88	65.9	58.6	46.5	37.9	31.7	27.1	23.3	19.2	16.2	88
96	59.8	54.1	43.9	35.5	29.7	25.3	21.7	17.8	15.0	96
104	54.4	49.7	41.5	33.5	27.8	23.6	20.0	16.5	13.8	104
112	49.8	45.9	39.1	31.4	26.4	22.2	18.7	15.4	12.7	112
120	46.1	42.4	36.8	29.6	24.8	20.9	17.6	14.3	11.9	120
128	42.8	39.1	34.6	28.0	23.3	19.7	16.5	13.2	10.9	128
136	38.7	36.3	32.6	26.4	21.9	18.5	15.5	12.3	10.1	136
144	34.4	33.6	30.7	25.0	20.8	17.5	14.6	11.5	9.3	144
152	30.6	31.2	28.8	23.9	19.7	16.4	13.6	10.7	8.5	152
160	27.2	28.3	27.0	22.8	18.6	15.5	12.8	10.1	8.0	160
168	24.1	25.3	25.2	21.8	17.7	14.7	11.9	9.4	7.4	168
176	21.2	22.5	23.4	20.9	16.9	14.0	11.1	8.9	6.7	176
184	17.2	20.0	21.1	19.8	16.2	13.3	10.6	8.4	6.2	184
192	12.7	17.4	18.7	18.6	15.5	12.6	10.0	7.8	5.6	192
200	7.2	14.2	16.6	17.2	14.8	12.0	9.3	7.3	5.2	200
208	-	10.5	14.3	15.5	14.2	11.4	8.8	6.7	4.8	208
216	-	6.4	11.8	13.6	13.5	10.8	8.4	6.2	4.4	216
224	-	-	8.8	11.7	12.6	10.4	7.9	5.8	-	224
232	-	-	-	9.6	11.5	10.0	7.4	5.4	-	232
240	-	-	-	7.1	10.0	9.4	7.1	5.0	-	240
248	-	-	-	-	8.1	8.6	6.8	-	-	248
256	-	-	-	-	-	7.7	6.4	-	-	256
264	-	-	-	-	-	5.9	6.0	-	-	264

	132,300 lb	154,350 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb	308,600 lb	330,700 lb
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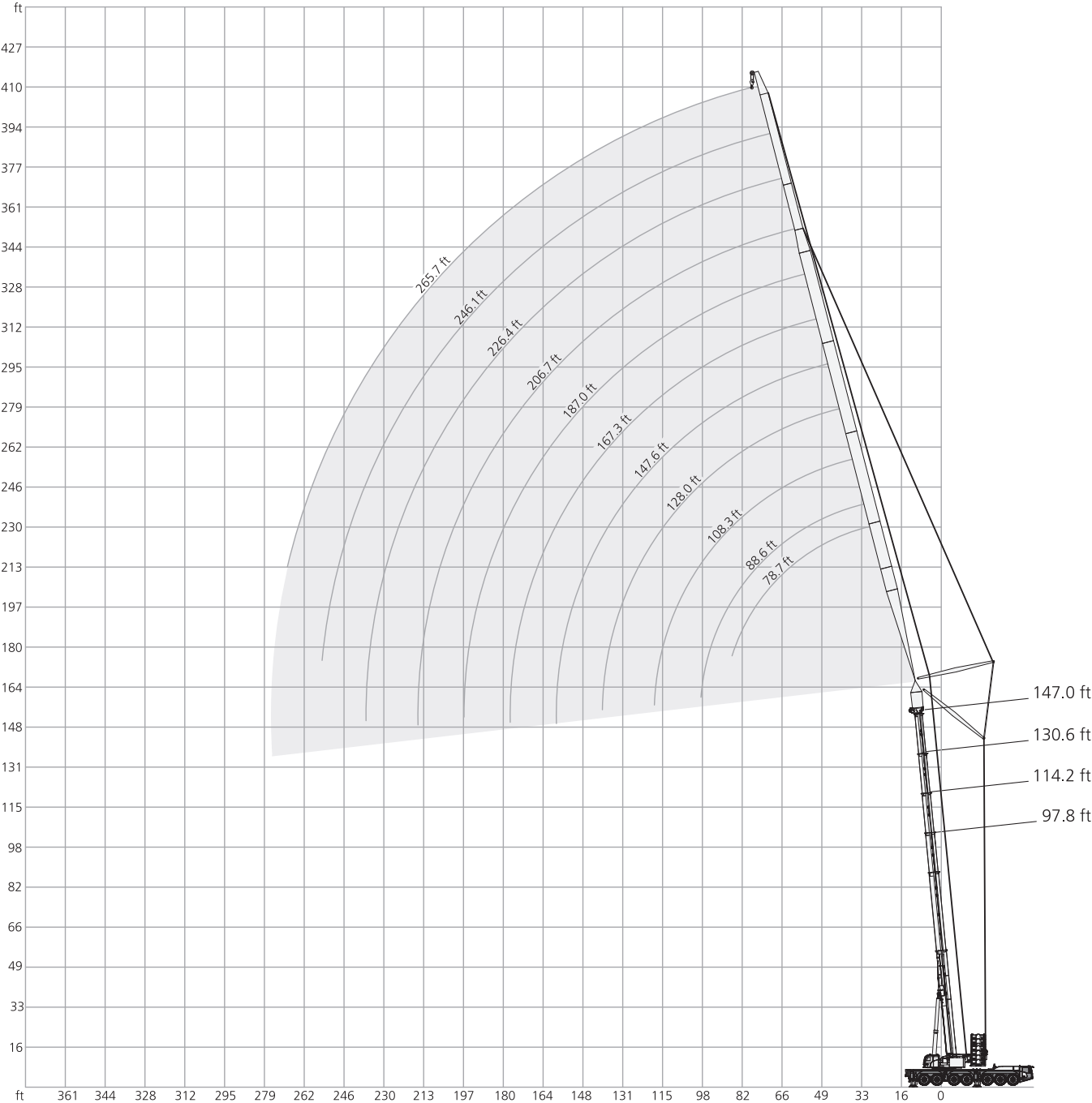

132,300 lb
154,350 lb
176,400 lb
198,400 lb
220,500 lb
242,500 lb
264,600 lb
286,600 lb
308,600 lb
330,700 lb






 212.6 ft		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5		
	 36.1 ft	55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	
ft	1,000 lb									ft
40	95.3	-	-	-	-	-	-	-	-	40
48	87.5	74.6	-	-	-	-	-	-	-	48
56	79.8	69.5	56.4	46.2	-	-	-	-	-	56
64	72.6	64.1	53.1	43.3	36.7	-	-	-	-	64
72	66.1	58.8	50.1	40.6	34.4	29.4	-	-	-	72
80	60.4	54.0	47.2	38.2	32.3	27.5	22.5	19.0	-	80
88	55.4	49.5	44.3	36.1	30.5	25.9	21.1	17.9	14.7	88
96	51.1	45.6	41.5	33.9	28.6	24.3	19.7	16.9	13.9	96
104	47.0	42.1	38.5	32.2	26.9	22.9	18.5	15.8	12.9	104
112	43.0	38.9	35.8	30.5	25.5	21.5	17.4	14.7	12.1	112
120	39.6	35.9	33.3	28.7	24.2	20.2	16.3	13.7	11.3	120
128	36.7	33.1	30.7	27.1	23.1	19.2	15.4	12.9	10.6	128
136	34.1	30.5	28.5	25.3	22.1	18.3	14.5	12.1	9.9	136
144	31.6	28.3	26.3	23.7	21.0	17.5	13.7	11.3	9.1	144
152	29.5	26.4	24.4	22.3	20.1	16.6	12.9	10.7	8.5	152
160	27.6	24.6	22.6	20.7	19.1	15.8	12.2	10.0	8.0	160
168	25.5	23.0	21.2	19.4	18.0	15.0	11.6	9.4	7.5	168
176	23.1	21.4	19.8	18.1	16.9	14.2	11.1	8.9	6.9	176
184	20.6	20.1	18.5	16.8	16.0	13.4	10.6	8.4	6.4	184
192	18.3	18.7	17.2	15.6	15.0	12.6	10.0	7.8	5.9	192
200	16.1	16.6	16.1	14.4	13.9	12.0	9.5	7.3	5.5	200
208	13.5	14.7	14.8	13.4	12.8	11.3	9.0	6.8	5.0	208
216	10.6	12.9	13.3	12.6	11.8	10.6	8.4	6.4	4.4	216
224	-	10.7	11.7	11.8	10.9	10.0	7.9	6.1	-	224
232	-	-	10.1	10.8	10.2	9.3	7.3	5.8	-	232
240	-	-	8.3	9.3	9.5	8.6	6.8	5.4	-	240
248	-	-	-	7.9	8.6	8.0	6.3	5.0	-	248
256	-	-	-	-	7.5	7.5	5.7	-	-	256
264	-	-	-	-	6.3	6.4	5.2	-	-	264
272	-	-	-	-	-	-	-	-	-	272
280	-	-	-	-	-	-	-	-	-	280

 132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

 245.4 ft		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5		
	 36.1 ft	55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	
ft	1,000 lb									ft
48	63.2	-	-	-	-	-	-	-	-	48
56	59.6	48.1	-	-	-	-	-	-	-	56
64	54.9	45.2	38.4	-	-	-	-	-	-	64
72	50.6	42.0	35.8	30.7	-	-	-	-	-	72
80	46.6	39.1	33.4	28.4	22.7	18.5	-	-	-	80
88	42.9	36.6	31.2	26.5	21.3	18.2	13.9	-	-	88
96	39.7	34.0	29.1	24.7	19.7	17.1	13.9	-	-	96
104	36.9	31.6	27.1	23.1	18.2	15.8	13.1	-	-	104
112	34.3	29.2	25.7	21.5	17.1	14.7	12.1	-	-	112
120	31.8	27.3	24.2	20.2	16.1	13.7	11.2	-	-	120
128	29.5	25.5	22.7	19.1	15.1	12.9	10.4	-	-	128
136	27.4	23.6	21.2	17.9	14.3	12.1	9.7	-	-	136
144	25.4	21.9	19.9	17.0	13.3	11.3	8.9	-	-	144
152	23.8	20.3	18.6	16.2	12.5	10.5	8.3	-	-	152
160	22.3	19.0	17.2	15.2	11.9	9.9	7.5	-	-	160
168	20.9	17.7	16.0	14.3	11.2	9.2	7.1	-	-	168
176	19.6	16.5	14.9	13.4	10.7	8.7	6.7	-	-	176
184	18.4	15.5	14.0	12.5	10.0	8.1	6.2	-	-	184
192	17.2	14.6	13.0	11.7	9.4	7.6	5.6	-	-	192
200	16.3	13.6	12.1	10.9	8.8	7.2	5.2	-	-	200
208	15.2	12.8	11.2	10.1	8.3	6.7	-	-	-	208
216	14.0	12.0	10.4	9.3	7.8	6.2	-	-	-	216
224	12.4	11.2	9.7	8.5	7.2	5.8	-	-	-	224
232	10.6	10.3	9.1	7.7	6.6	5.4	-	-	-	232
240	8.5	9.4	8.4	7.1	6.0	5.0	-	-	-	240
248	-	7.9	7.7	6.5	5.4	-	-	-	-	248
256	-	-	7.0	5.9	-	-	-	-	-	256
264	-	-	5.8	5.3	-	-	-	-	-	264

132,300 lb154,350 lb176,400 lb198,400 lb220,500 lb242,500 lb264,600 lb286,600 lb308,600 lb330,700 lb



 19.7 ft (XL)					360°					ASME B30.5					
 97.8 ft															
		78.7 ft			88.6 ft			108.3 ft			128.0 ft				
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°		
ft					1,000 lb										ft
48		115.8	-	-	-	-	-	-	-	-	-	-	-	48	
56		113.9	-	-	101.0	-	-	-	-	-	66.9	-	-	56	
64		112.8	-	-	99.5	-	-	80.5	-	-	65.5	-	-	64	
72		112.0	-	-	98.8	-	-	79.2	-	-	64.4	-	-	72	
80		-	-	-	97.3	-	-	78.4	-	-	63.4	-	-	80	
88		-	92.4	-	90.1	-	-	78.0	-	-	62.6	-	-	88	
96		-	84.9	-	-	83.9	-	76.0	-	-	62.0	-	-	96	
104		-	78.4	-	-	77.7	-	72.2	69.1	-	61.7	57.2	-	104	
112		-	-	67.4	-	-	-	-	68.3	-	60.7	56.4	-	112	
120		-	-	-	-	-	62.0	-	66.4	-	57.9	55.4	-	120	
128		-	-	-	-	-	-	-	62.4	57.1	53.7	55.0	-	128	
136		-	-	-	-	-	-	-	-	53.1	-	54.9	50.5	136	
144		-	-	-	-	-	-	-	-	49.7	-	53.4	48.6	144	
152		-	-	-	-	-	-	-	-	-	-	-	45.5	152	
160		-	-	-	-	-	-	-	-	-	-	-	42.8	160	

		147.6 ft			167.3 ft			187.0 ft			206.7 ft					
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°			
ft		1,000 lb												ft		
56		55.3	-	-	-	-	-	-	-	-	-	-	-	56		
64		54.1	-	-	43.9	-	-	-	-	-	-	-	-	64		
72		53.1	-	-	43.0	-	-	36.6	-	-	-	-	-	72		
80		52.1	-	-	42.0	-	-	35.9	-	-	29.5	-	-	80		
88		51.3	-	-	41.4	-	-	35.1	-	-	28.9	-	-	88		
96		50.6	-	-	40.7	-	-	34.6	-	-	28.4	-	-	96		
104		50.1	-	-	40.0	-	-	34.0	-	-	27.8	-	-	104		
112		49.8	46.0	-	39.4	-	-	33.5	-	-	27.5	-	-	112		
120		49.5	45.2	-	39.2	37.3	-	33.0	-	-	27.1	-	-	120		
128		48.7	44.4	-	38.9	36.6	-	32.7	31.3	-	26.7	-	-	128		
136		47.6	43.9	-	38.6	36.1	-	32.5	30.8	-	26.3	23.9	-	136		
144		44.9	43.7	-	38.0	35.5	-	32.4	30.2	-	26.0	23.4	-	144		
152		-	43.7	40.9	37.3	35.1	-	32.2	29.7	-	25.8	23.1	-	152		
160		-	43.7	40.5	36.2	34.8	33.1	31.8	29.5	-	25.7	22.6	-	160		
168		-	43.1	39.3	34.3	34.8	32.7	31.3	29.1	28.0	25.4	22.4	-	168		
176		-	-	37.1	-	34.8	32.4	30.2	29.1	27.4	25.0	22.1	-	176		
184		-	-	-	-	34.8	32.4	28.6	29.1	27.1	24.4	21.8	20.9	184		
192		-	-	-	-	-	32.1	-	29.1	26.9	23.6	21.8	20.7	192		
200		-	-	-	-	-	30.5	-	29.1	26.9	22.5	21.8	20.4	200		
208		-	-	-	-	-	-	-	29.1	26.9	21.3	21.8	20.3	208		
216		-	-	-	-	-	-	-	-	26.5	-	21.8	20.3	216		
224		-	-	-	-	-	-	-	-	-	-	21.8	20.3	224		
232		-	-	-	-	-	-	-	-	-	-	-	20.3	232		
240		-	-	-	-	-	-	-	-	-	-	-	20.3	240		

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

19.7 ft (XL)										360°	ASME B30.5
97.8 ft											
		226.4 ft			246.1 ft			265.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb									ft
80	23.7	-	-	-	-	-	-	-	-	-	80
88	23.4	-	-	-	19.3	-	-	-	-	-	88
96	22.9	-	-	-	18.9	-	-	16.0	-	-	96
104	22.5	-	-	-	18.6	-	-	15.7	-	-	104
112	22.0	-	-	-	18.1	-	-	15.4	-	-	112
120	21.8	-	-	-	17.8	-	-	15.1	-	-	120
128	21.5	-	-	-	17.4	-	-	14.7	-	-	128
136	21.2	-	-	-	17.0	-	-	14.4	-	-	136
144	21.0	-	-	-	16.8	-	-	14.1	-	-	144
152	20.7	19.8	-	-	16.5	-	-	13.9	-	-	152
160	20.6	19.3	-	-	16.2	15.7	-	13.7	-	-	160
168	20.5	19.0	-	-	16.0	15.3	-	13.5	12.9	-	168
176	20.3	19.0	-	-	15.7	15.0	-	13.3	12.6	-	176
184	20.0	18.7	-	-	15.6	14.8	-	13.2	12.3	-	184
192	19.6	18.5	17.8	-	15.4	14.6	-	13.0	12.3	-	192
200	19.2	18.3	17.5	-	15.0	14.3	-	12.9	12.0	-	200
208	18.5	18.3	17.3	-	14.6	14.2	13.7	12.8	11.8	-	208
216	17.7	18.3	17.2	-	14.1	14.1	13.5	12.6	11.7	11.2	216
224	16.7	18.3	17.0	-	13.9	13.9	13.2	12.3	11.5	11.0	224
232	-	18.3	17.0	-	13.6	13.8	13.0	12.0	11.5	10.8	232
240	-	18.1	17.0	-	13.1	13.7	13.0	11.8	11.5	10.6	240
248	-	17.9	17.0	-	12.8	13.5	13.0	11.5	11.5	10.5	248
256	-	-	17.0	-	-	13.2	13.0	11.2	11.5	10.4	256
264	-	-	-	-	-	13.1	12.9	10.5	11.5	10.4	264
272	-	-	-	-	-	-	12.8	-	11.4	10.4	272
280	-	-	-	-	-	-	12.8	-	11.3	10.4	280
288	-	-	-	-	-	-	-	-	11.0	10.4	288
296	-	-	-	-	-	-	-	-	-	10.4	296

132,300 lb

154,350 lb

176,400 lb

198,400 lb

220,500 lb






242,500 lb

264,600 lb

286,600 lb






308,600 lb


330,700 lb

 19.7 ft (XL)					360°					ASME B30.5					
 114.2 ft															
		78.7 ft			88.6 ft			108.3 ft			128.0 ft				
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°		
ft					1,000 lb										ft
56		100.8	-	-	90.2	-	-	-	-	-	60.4	-	-	56	
64		99.6	-	-	89.1	-	-	71.9	-	-	59.3	-	-	64	
72		99.4	-	-	88.2	-	-	71.0	-	-	58.2	-	-	72	
80		99.1	-	-	87.9	-	-	70.2	-	-	57.5	-	-	80	
88		-	-	-	87.7	-	-	69.8	-	-	56.9	-	-	88	
96		-	83.2	-	-	-	-	69.5	-	-	56.4	-	-	96	
104		-	76.8	-	-	75.9	-	69.3	-	-	56.2	-	-	104	
112		-	-	-	-	70.7	-	-	62.6	-	56.0	50.9	-	112	
120		-	-	-	-	-	-	-	61.9	-	55.7	50.1	-	120	
128		-	-	-	-	-	-	-	60.4	-	54.7	49.6	-	128	
136		-	-	-	-	-	-	-	56.8	-	-	49.2	-	136	
144		-	-	-	-	-	-	-	-	48.0	-	49.2	46.3	144	
152		-	-	-	-	-	-	-	-	-	-	48.8	43.7	152	
160		-	-	-	-	-	-	-	-	-	-	-	41.1	160	
168		-	-	-	-	-	-	-	-	-	-	-	38.7	168	

		147.6 ft			167.3 ft			187.0 ft			206.7 ft					
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°			
ft		1,000 lb												ft		
64		48.3	-	-	-	-	-	-	-	-	-	-	-	64		
72		47.4	-	-	39.3	-	-	33.3	-	-	-	-	-	72		
80		46.7	-	-	38.5	-	-	32.8	-	-	26.9	-	-	80		
88		46.0	-	-	37.9	-	-	32.2	-	-	26.5	-	-	88		
96		45.5	-	-	37.2	-	-	31.7	-	-	26.0	-	-	96		
104		45.0	-	-	36.7	-	-	31.2	-	-	25.6	-	-	104		
112		44.7	-	-	36.3	-	-	30.8	-	-	25.1	-	-	112		
120		44.5	41.7	-	35.9	-	-	30.4	-	-	24.8	-	-	120		
128		44.4	41.0	-	35.8	33.8	-	30.1	-	-	24.6	-	-	128		
136		44.0	40.5	-	35.6	33.2	-	29.9	28.3	-	24.2	-	-	136		
144		43.5	40.1	-	35.3	32.9	-	29.8	27.8	-	24.0	-	-	144		
152		-	39.9	-	35.0	32.4	-	29.5	27.5	-	23.8	21.3	-	152		
160		-	39.9	37.5	34.3	32.1	-	29.5	27.2	-	23.7	21.1	-	160		
168		-	39.9	37.0	32.9	32.0	30.4	29.1	26.8	-	23.5	20.8	-	168		
176		-	39.7	35.5	-	32.0	30.0	28.3	26.7	-	23.2	20.5	-	176		
184		-	-	33.5	-	32.0	29.8	27.1	26.5	23.8	22.7	20.3	-	184		
192		-	-	-	-	32.0	29.5	-	26.5	23.5	22.1	20.1	19.1	192		
200		-	-	-	-	-	29.0	-	26.5	23.4	21.3	20.1	19.0	200		
208		-	-	-	-	-	27.5	-	26.5	23.4	20.2	20.1	18.8	208		
216		-	-	-	-	-	-	-	26.5	23.4	-	20.1	18.5	216		
224		-	-	-	-	-	-	-	-	23.3	-	20.1	18.5	224		
232		-	-	-	-	-	-	-	-	-	-	20.1	18.5	232		
240		-	-	-	-	-	-	-	-	-	-	-	18.5	240		
248		-	-	-	-	-	-	-	-	-	-	-	18.5	248		

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

 19.7 ft (XL)				360°				ASME B30.5			
 114.2 ft											
 		226.4 ft			246.1 ft			265.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb									ft
88	21.6	-	-		17.7	-	-	-	-	-	88
96	21.3	-	-		17.3	-	-	14.6	-	-	96
104	20.8	-	-		17.0	-	-	14.4	-	-	104
112	20.5	-	-		16.5	-	-	14.1	-	-	112
120	20.2	-	-		16.3	-	-	13.8	-	-	120
128	20.0	-	-		16.0	-	-	13.6	-	-	128
136	19.7	-	-		15.7	-	-	13.3	-	-	136
144	19.4	-	-		15.4	-	-	13.0	-	-	144
152	19.2	-	-		15.2	-	-	12.8	-	-	152
160	19.0	18.0	-		15.0	-	-	12.5	-	-	160
168	19.0	17.7	-		14.9	14.2	-	12.3	-	-	168
176	18.8	17.5	-		14.6	13.9	-	12.2	11.5	-	176
184	18.7	17.2	-		14.5	13.7	-	12.1	11.5	-	184
192	18.5	17.1	-		14.3	13.4	-	11.9	11.2	-	192
200	18.3	17.0	-		14.0	13.2	-	11.8	10.9	-	200
208	18.0	16.8	15.9		13.7	13.1	-	11.7	10.8	-	208
216	17.2	16.8	15.9		13.5	13.0	12.3	11.7	10.6	-	216
224	16.4	16.8	15.7		13.2	12.8	12.1	11.5	10.6	9.9	224
232	-	16.8	15.6		12.9	12.8	11.9	11.4	10.4	9.9	232
240	-	16.8	15.5		12.7	12.8	11.9	11.3	10.4	9.7	240
248	-	16.8	15.4		12.2	12.6	11.7	11.0	10.4	9.6	248
256	-	-	15.4		-	12.6	11.7	10.6	10.4	9.5	256
264	-	-	15.4		-	12.3	11.7	9.9	10.4	9.3	264
272	-	-	-		-	12.1	11.7	-	10.4	9.3	272
280	-	-	-		-	-	11.7	-	10.4	9.3	280
288	-	-	-		-	-	11.7	-	10.4	9.3	288
296	-	-	-		-	-	-	-	-	9.3	296
304	-	-	-		-	-	-	-	-	9.3	304



132,300 lb

154,350 lb

176,400 lb

198,400 lb

220,500 lb






242,500 lb




264,600 lb

286,600 lb

308,600 lb

330,700 lb






 19.7 ft (XL)					360°						ASME B30.5			
 130.6 ft														
		78.7 ft			88.6 ft			108.3 ft			128.0 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft				1,000 lb										ft
56		85.5	-	-	76.2	-	-	-	-	-	51.1	-	-	56
64		84.3	-	-	75.2	-	-	-	-	-	50.5	-	-	64
72		83.1	-	-	74.1	-	-	61.1	-	-	49.6	-	-	72
80		82.3	-	-	73.3	-	-	60.3	-	-	49.1	-	-	80
88		-	-	-	72.5	-	-	59.7	-	-	48.5	-	-	88
96		-	-	-	-	-	-	59.0	-	-	47.8	-	-	96
104		-	72.9	-	-	-	-	58.5	-	-	47.2	-	-	104
112		-	-	-	-	66.2	-	-	-	-	46.9	-	-	112
120		-	-	-	-	-	-	-	55.0	-	46.5	44.6	-	120
128		-	-	-	-	-	-	-	54.5	-	46.2	44.2	-	128
136		-	-	-	-	-	-	-	53.8	-	-	43.8	-	136
144		-	-	-	-	-	-	-	-	-	-	43.7	-	144
152		-	-	-	-	-	-	-	-	-	-	43.4	-	152
160		-	-	-	-	-	-	-	-	-	-	-	39.6	160
168		-	-	-	-	-	-	-	-	-	-	-	37.3	168
176		-	-	-	-	-	-	-	-	-	-	-	35.1	176




		147.6 ft			167.3 ft			187.0 ft			206.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb											ft	
64		42.1	-	-	-	-	-	-	-	-	-	-	-	64
72		41.5	-	-	34.0	-	-	-	-	-	-	-	-	72
80		40.9	-	-	33.5	-	-	28.4	-	-	21.4	-	-	80
88		40.4	-	-	33.1	-	-	27.9	-	-	21.4	-	-	88
96		39.8	-	-	32.6	-	-	27.5	-	-	21.2	-	-	96
104		39.3	-	-	32.2	-	-	27.2	-	-	20.8	-	-	104
112		38.8	-	-	31.7	-	-	26.7	-	-	20.5	-	-	112
120		38.5	-	-	31.5	-	-	26.4	-	-	20.2	-	-	120
128		38.0	36.7	-	31.2	-	-	26.1	-	-	20.0	-	-	128
136		37.8	36.3	-	30.8	29.8	-	25.9	-	-	19.7	-	-	136
144		37.5	35.7	-	30.4	29.3	-	25.6	-	-	19.6	-	-	144
152		-	35.5	-	30.4	29.1	-	25.5	23.3	-	19.4	18.9	-	152
160		-	35.4	-	30.1	28.8	-	25.4	22.8	-	19.1	18.7	-	160
168		-	35.3	33.3	29.8	28.5	-	25.2	22.7	-	19.0	18.6	-	168
176		-	35.3	33.1	-	28.4	-	25.1	22.5	-	19.0	18.3	-	176
184		-	-	32.1	-	28.4	26.7	24.7	22.3	-	18.7	18.1	-	184
192		-	-	30.5	-	28.4	26.5	-	22.3	20.9	18.7	17.9	-	192
200		-	-	-	-	-	26.3	-	22.3	20.8	18.3	17.9	-	200
208		-	-	-	-	-	26.1	-	22.3	20.7	17.8	17.7	16.6	208
216		-	-	-	-	-	25.0	-	22.3	20.7	-	17.6	16.5	216
224		-	-	-	-	-	-	-	-	20.7	-	17.6	16.5	224
232		-	-	-	-	-	-	-	-	20.7	-	17.6	16.5	232
240		-	-	-	-	-	-	-	-	-	-	-	16.5	240
248		-	-	-	-	-	-	-	-	-	-	-	16.5	248

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb






[illegible]

	132,300 lb	154,350 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb	308,600 lb	330,700 lb
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 19.7 ft (XL)					360°					ASME B30.5				
 147.0 ft														
		78.7 ft			88.6 ft			108.3 ft			128.0 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft					1,000 lb									ft
64		70.4	-	-	63.9	-	-	-	-	-	43.3	-	-	64
72		68.6	-	-	63.1	-	-	51.4	-	-	42.8	-	-	72
80		63.3	-	-	61.7	-	-	50.8	-	-	42.2	-	-	80
88		-	-	-	57.1	-	-	49.9	-	-	41.7	-	-	88
96		-	-	-	51.3	-	-	47.9	-	-	41.3	-	-	96
104		-	-	-	-	-	-	44.9	-	-	40.9	-	-	104
112		-	46.6	-	-	44.2	-	41.0	-	-	39.4	-	-	112
120		-	-	-	-	42.5	-	-	-	-	37.6	-	-	120
128		-	-	-	-	-	-	-	38.1	-	34.8	35.3	-	128
136		-	-	-	-	-	-	-	36.1	-	31.3	33.5	-	136
144		-	-	-	-	-	-	-	34.3	-	-	31.8	-	144
152		-	-	-	-	-	-	-	-	-	-	30.2	-	152
160		-	-	-	-	-	-	-	-	23.2	-	29.0	-	160
168		-	-	-	-	-	-	-	-	-	-	-	20.2	168
176		-	-	-	-	-	-	-	-	-	-	-	19.1	176




		147.6 ft			167.3 ft			187.0 ft			206.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb												ft
72	35.7	-	-	-	-	-	-	-	-	-	-	-	-	72
80	35.2	-	-	-	27.6	-	-	22.0	-	-	-	-	-	80
88	34.9	-	-	-	27.6	-	-	21.8	-	-	15.9	-	-	88
96	34.3	-	-	-	27.6	-	-	21.8	-	-	15.7	-	-	96
104	34.0	-	-	-	27.6	-	-	21.8	-	-	15.7	-	-	104
112	33.7	-	-	-	27.3	-	-	21.8	-	-	15.7	-	-	112
120	33.2	-	-	-	27.1	-	-	21.5	-	-	15.7	-	-	120
128	32.6	-	-	-	26.8	-	-	21.3	-	-	15.7	-	-	128
136	32.1	-	-	-	26.5	-	-	21.0	-	-	15.7	-	-	136
144	29.9	29.4	-	-	26.5	-	-	20.7	-	-	15.7	-	-	144
152	27.1	28.0	-	-	26.1	23.0	-	20.7	-	-	15.7	-	-	152
160	-	26.7	-	-	24.6	21.9	-	20.5	19.9	-	15.7	-	-	160
168	-	25.5	-	-	22.9	20.9	-	20.1	19.2	-	15.7	15.7	-	168
176	-	24.4	17.8	-	20.6	20.0	-	18.9	18.4	-	15.7	15.7	-	176
184	-	-	16.9	-	-	18.9	-	17.6	17.6	-	15.7	15.4	-	184
192	-	-	15.9	-	-	18.2	14.2	16.0	16.8	-	15.5	14.9	-	192
200	-	-	15.1	-	-	17.5	13.4	-	16.1	-	14.9	14.2	-	200
208	-	-	-	-	-	-	12.5	-	15.4	11.7	13.8	13.6	-	208
216	-	-	-	-	-	-	11.9	-	14.8	11.1	12.2	13.0	9.7	216
224	-	-	-	-	-	-	-	-	-	10.3	-	12.5	9.0	224
232	-	-	-	-	-	-	-	-	-	9.8	-	12.0	8.4	232
240	-	-	-	-	-	-	-	-	-	9.2	-	11.6	7.9	240
248	-	-	-	-	-	-	-	-	-	-	-	-	7.5	248
256	-	-	-	-	-	-	-	-	-	-	-	-	7.0	256

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb






 19.7 ft (XL)				360°				ASME B30.5			
 147.0 ft											
		226.4 ft			246.1 ft			265.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb						ft			
96	16.2	-	-	12.3	-	-	-	-	-	96	
104	15.9	-	-	12.1	-	-	9.0	-	-	104	
112	15.6	-	-	12.1	-	-	8.8	-	-	112	
120	15.4	-	-	12.1	-	-	8.8	-	-	120	
128	15.1	-	-	12.0	-	-	8.8	-	-	128	
136	15.0	-	-	11.7	-	-	8.8	-	-	136	
144	14.8	-	-	11.5	-	-	8.8	-	-	144	
152	14.5	-	-	11.4	-	-	8.8	-	-	152	
160	14.3	-	-	11.2	-	-	8.8	-	-	160	
168	14.2	-	-	11.0	-	-	8.8	-	-	168	
176	14.1	13.7	-	10.8	-	-	8.8	-	-	176	
184	13.9	13.4	-	10.8	10.4	-	8.6	-	-	184	
192	13.8	13.1	-	10.6	10.3	-	8.6	-	-	192	
200	13.6	12.7	-	10.5	10.0	-	8.4	8.2	-	200	
208	13.3	12.4	-	10.4	9.8	-	8.4	8.0	-	208	
216	13.0	11.9	-	10.2	9.7	-	8.2	7.9	-	216	
224	12.2	11.4	-	10.1	9.4	-	8.1	7.7	-	224	
232	10.6	10.9	7.8	10.1	8.9	-	7.9	7.4	-	232	
240	-	10.5	7.2	9.5	8.5	5.5	7.9	7.1	-	240	
248	-	10.1	6.8	8.5	8.1	5.0	7.8	7.0	-	248	
256	-	9.7	6.4	-	7.7	4.6	7.5	6.6	-	256	
264	-	-	5.9	-	7.3	-	7.0	6.2	-	264	
272	-	-	5.6	-	7.0	-	6.0	5.9	-	272	
280	-	-	5.2	-	6.7	-	-	5.6	-	280	
288	-	-	-	-	-	-	-	5.3	-	288	
296	-	-	-	-	-	-	-	5.0	-	296	



 132,300 lb
 154,350 lb
 176,400 lb
 198,400 lb
 220,500 lb
 242,500 lb
 264,600 lb
 286,600 lb
 308,600 lb
 330,700 lb






 19.7 ft (XL)				360°						ASME B30.5				
 163.4 ft														
		78.7 ft			88.6 ft			108.3 ft			128.0 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft				1,000 lb									ft	
64		58.3	-	-	-	-	-	-	-	-	-	-	-	64
72		57.6	-	-	50.9	-	-	-	-	-	34.6	-	-	72
80		56.9	-	-	50.4	-	-	42.1	-	-	34.6	-	-	80
88		-	-	-	49.8	-	-	41.7	-	-	34.5	-	-	88
96		-	-	-	49.0	-	-	41.3	-	-	34.3	-	-	96
104		-	-	-	-	-	-	40.9	-	-	34.0	-	-	104
112		-	-	-	-	-	-	40.5	-	-	33.7	-	-	112
120		-	-	-	-	-	-	-	-	-	33.4	-	-	120
128		-	-	-	-	32.9	-	-	-	-	33.2	-	-	128
136		-	-	-	-	-	-	-	29.0	-	32.7	24.1	-	136
144		-	-	-	-	-	-	-	27.6	-	-	22.8	-	144
152		-	-	-	-	-	-	-	-	-	-	21.7	-	152
160		-	-	-	-	-	-	-	-	-	-	20.6	-	160
168		-	-	-	-	-	-	-	-	-	-	19.5	-	168
176		-	-	-	-	-	-	-	-	-	-	-	14.3	176
184		-	-	-	-	-	-	-	-	-	-	-	13.4	184

		147.6 ft			167.3 ft			187.0 ft			206.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft					1,000 lb									ft
80		26.7	-	-	19.6	-	-	-	-	-	-	-	-	80
88		26.7	-	-	19.6	-	-	15.0	-	-	-	-	-	88
96		26.7	-	-	19.6	-	-	15.0	-	-	12.3	-	-	96
104		26.7	-	-	19.6	-	-	15.0	-	-	12.3	-	-	104
112		26.7	-	-	19.6	-	-	15.0	-	-	12.3	-	-	112
120		26.7	-	-	19.6	-	-	15.0	-	-	12.3	-	-	120
128		26.7	-	-	19.6	-	-	15.0	-	-	12.3	-	-	128
136		26.7	-	-	19.6	-	-	15.0	-	-	12.3	-	-	136
144		26.7	-	-	19.6	-	-	15.0	-	-	12.3	-	-	144
152		26.7	19.7	-	19.6	-	-	15.0	-	-	12.3	-	-	152
160		-	18.7	-	19.6	16.5	-	15.0	-	-	12.3	-	-	160
168		-	17.9	-	19.6	15.7	-	15.0	14.3	-	12.3	-	-	168
176		-	16.9	-	19.6	14.9	-	15.0	13.6	-	12.3	-	-	176
184		-	16.1	-	-	14.1	-	15.0	12.8	-	12.3	11.0	-	184
192		-	-	11.3	-	13.3	-	15.0	12.2	-	12.3	10.5	-	192
200		-	-	10.7	-	12.8	-	-	11.5	-	12.3	9.9	-	200
208		-	-	10.1	-	12.3	8.3	-	10.9	-	12.3	9.4	-	208
216		-	-	-	-	-	7.8	-	10.4	6.9	12.3	8.9	-	216
224		-	-	-	-	-	7.2	-	9.9	6.3	-	8.3	-	224
232		-	-	-	-	-	-	-	-	5.8	-	7.9	-	232
240		-	-	-	-	-	-	-	-	5.4	-	7.6	-	240
248		-	-	-	-	-	-	-	-	5.1	-	7.1	-	248

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb






 19.7 ft (XL)				360°			ASME B30.5	
 163.4 ft								
 		226.4 ft			246.1 ft			
		84°	73°	65°	84°	73°	65°	
ft	1,000 lb							ft
96	11.9	-	-	-	-	-	-	96
104	11.9	-	-	-	7.5	-	-	104
112	11.9	-	-	-	7.5	-	-	112
120	11.9	-	-	-	7.5	-	-	120
128	11.9	-	-	-	7.5	-	-	128
136	11.9	-	-	-	7.5	-	-	136
144	11.9	-	-	-	7.5	-	-	144
152	11.7	-	-	-	7.5	-	-	152
160	11.6	-	-	-	7.5	-	-	160
168	11.5	-	-	-	7.5	-	-	168
176	11.3	-	-	-	7.5	-	-	176
184	11.2	-	-	-	7.5	-	-	184
192	11.0	9.4	-	-	7.5	-	-	192
200	11.0	8.9	-	-	7.5	6.9	-	200
208	10.9	8.5	-	-	7.5	6.5	-	208
216	10.8	8.0	-	-	7.5	6.0	-	216
224	10.8	7.5	-	-	7.5	5.7	-	224
232	10.8	7.1	-	-	7.5	5.2	-	232
240	-	6.7	-	-	7.5	4.8	-	240
248	-	6.4	-	-	7.5	4.5	-	248
256	-	5.9	-	-	-	-	-	256
264	-	5.7	-	-	-	-	-	264


 132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

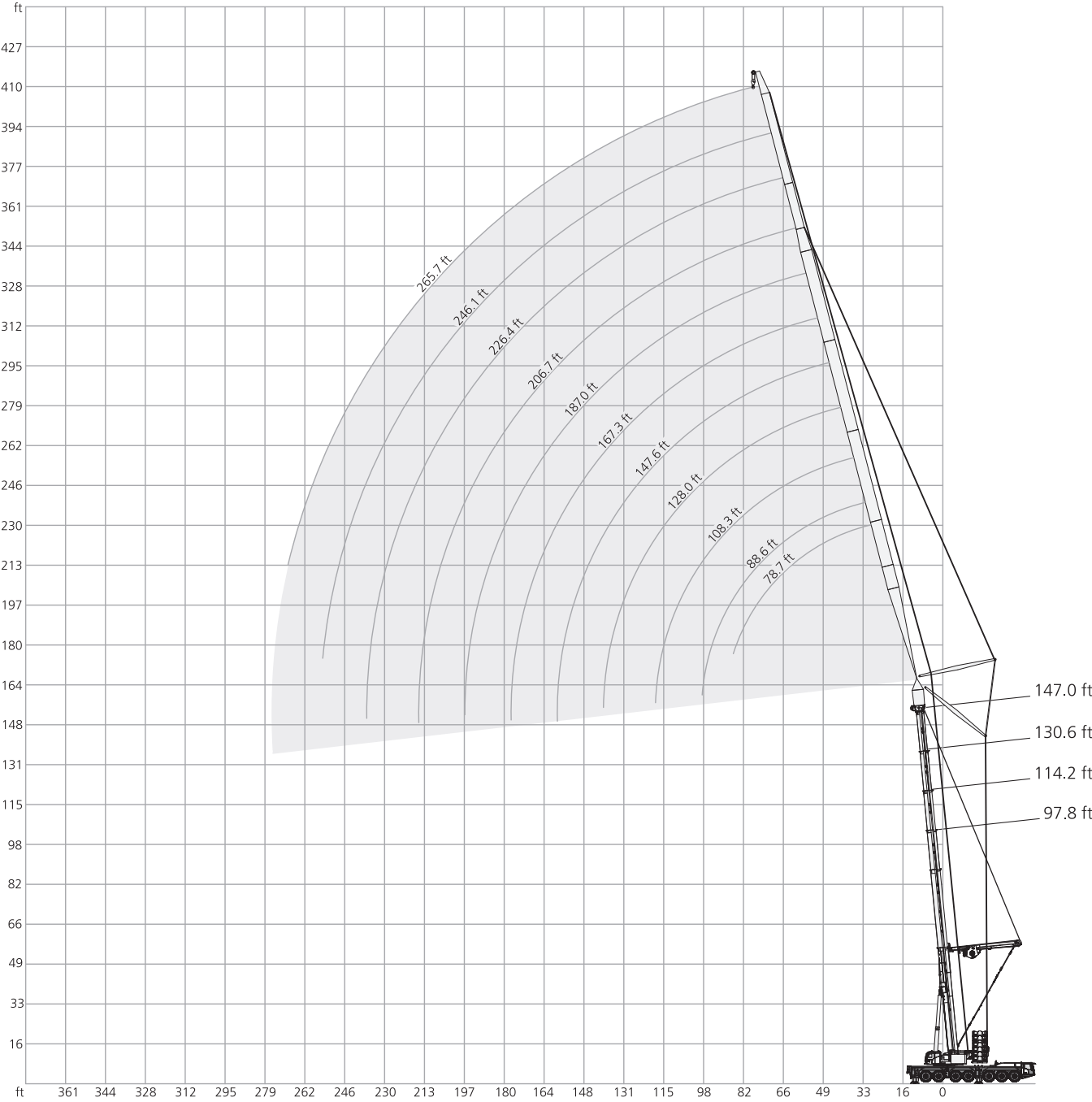
 19.7 ft (XL)				360°						ASME B30.5				
 179.8 ft														
		78.7 ft			88.6 ft			108.3 ft			128.0 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft				1,000 lb									ft	
72		44.8	-	-	-	-	-	-	-	-	23.6	-	-	72
80		44.2	-	-	40.0	-	-	31.3	-	-	23.6	-	-	80
88		43.4	-	-	39.5	-	-	31.3	-	-	23.6	-	-	88
96		-	-	-	38.8	-	-	31.3	-	-	23.6	-	-	96
104		-	-	-	-	-	-	31.3	-	-	23.6	-	-	104
112		-	-	-	-	-	-	31.3	-	-	23.6	-	-	112
120		-	-	-	-	-	-	-	-	-	23.6	-	-	120
128		-	-	-	-	22.3	-	-	-	-	23.6	-	-	128
136		-	-	-	-	21.9	-	-	-	-	23.3	-	-	136
144		-	-	-	-	-	-	-	18.7	-	-	-	-	144
152		-	-	-	-	-	-	-	18.2	-	-	16.2	-	152
160		-	-	-	-	-	-	-	-	-	-	15.2	-	160
168		-	-	-	-	-	-	-	-	-	-	14.4	-	168
176		-	-	-	-	-	-	-	-	-	-	13.7	-	176
184		-	-	-	-	-	-	-	-	-	-	-	-	184
192		-	-	-	-	-	-	-	-	-	-	-	8.7	192






		147.6 ft			167.3 ft			187.0 ft			206.7 ft					
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°			
ft		1,000 lb												ft		
80		17.4	-	-	-	-	-	-	-	-	-	-	-	80		
88		17.4	-	-	11.7	-	-	7.9	-	-	-	-	-	88		
96		17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	96		
104		17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	104		
112		17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	112		
120		17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	120		
128		17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	128		
136		17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	136		
144		17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	144		
152		17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	152		
160		-	13.6	-	11.7	-	-	7.9	-	-	9.0	-	-	160		
168		-	12.8	-	11.7	10.8	-	7.9	-	-	9.0	-	-	168		
176		-	12.0	-	11.7	10.0	-	7.9	-	-	9.0	-	-	176		
184		-	11.4	-	-	9.5	-	7.9	7.9	-	9.0	-	-	184		
192		-	10.9	-	-	8.9	-	7.9	7.8	-	9.0	6.3	-	192		
200		-	-	-	-	8.4	-	-	7.3	-	9.0	5.7	-	200		
208		-	-	6.3	-	7.8	-	-	6.7	-	9.0	5.4	-	208		
216		-	-	5.8	-	7.5	-	-	6.4	-	9.0	4.9	-	216		
224		-	-	-	-	-	-	-	5.9	-	-	-	-	224		
232		-	-	-	-	-	-	-	5.7	-	-	-	-	232		




132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

 19.7 ft (XL)		360°		ASME B30.5	
 179.8 ft					
		226.4 ft			
		84°	73°	65°	
ft		1,000 lb			ft
104	6.2	-	-		104
112	6.2	-	-		112
120	6.2	-	-		120
128	6.2	-	-		128
136	6.2	-	-		136
144	6.2	-	-		144
152	6.2	-	-		152
160	6.2	-	-		160
168	6.2	-	-		168
176	6.2	-	-		176
184	6.2	-	-		184
192	6.2	-	-		192
200	6.2	-	-		200
208	6.2	-	-		208
216	6.2	-	-		216
224	6.2	-	-		224
232	6.2	-	-		232






 132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb



 19.7 ft (XL)					360°					ASME B30.5				
 97.8 ft														
		78.7 ft			88.6 ft			108.3 ft			128.0 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft					1,000 lb									ft
48		131.0	-	-	-	-	-	-	-	-	-	-	-	48
56		128.5	-	-	114.1	-	-	92.1	-	-	75.1	-	-	56
64		122.0	-	-	112.0	-	-	90.1	-	-	73.3	-	-	64
72		111.6	-	-	107.5	-	-	88.4	-	-	71.7	-	-	72
80		-	-	-	100.7	-	-	86.8	-	-	70.6	-	-	80
88		-	87.4	-	89.6	85.3	-	85.2	-	-	69.5	-	-	88
96		-	80.3	-	-	79.6	-	80.1	-	-	68.4	-	-	96
104		-	74.1	-	-	73.5	-	71.6	72.2	-	67.4	60.5	-	104
112		-	-	61.9	-	-	61.3	-	67.4	-	64.5	59.5	-	112
120		-	-	-	-	-	57.1	-	62.7	-	58.6	58.8	-	120
128		-	-	-	-	-	-	-	58.6	52.3	52.9	57.5	51.3	128
136		-	-	-	-	-	-	-	-	49.2	-	53.9	47.9	136
144		-	-	-	-	-	-	-	-	46.2	-	50.6	44.9	144
152		-	-	-	-	-	-	-	-	-	-	-	42.2	152
160		-	-	-	-	-	-	-	-	-	-	-	39.9	160

		147.6 ft			167.3 ft			187.0 ft			206.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb												ft
56	61.7	-	-	-	-	-	-	-	-	-	-	-	-	56
64	60.5	-	-	-	48.4	-	-	-	-	-	-	-	-	64
72	59.1	-	-	-	47.6	-	-	40.1	-	-	-	-	-	72
80	57.8	-	-	-	46.6	-	-	39.4	-	-	-	32.1	-	80
88	56.8	-	-	-	45.8	-	-	38.8	-	-	-	31.6	-	88
96	56.0	-	-	-	45.0	-	-	38.2	-	-	-	31.0	-	96
104	55.4	-	-	-	44.2	-	-	37.5	-	-	-	30.7	-	104
112	54.9	48.5	-	-	43.4	-	-	37.0	-	-	-	30.2	-	112
120	54.1	47.6	-	-	42.9	39.3	-	36.5	-	-	-	29.9	-	120
128	51.9	47.0	-	-	42.3	38.6	-	36.0	33.0	-	-	29.3	-	128
136	48.4	46.6	-	-	41.6	37.9	-	35.8	32.3	-	-	28.9	26.8	136
144	44.5	46.3	43.5	-	40.6	37.5	-	35.5	31.8	-	-	28.7	26.3	144
152	-	46.0	41.1	-	39.2	37.0	35.2	35.2	31.5	-	-	28.4	25.7	152
160	-	44.0	38.8	-	37.0	37.0	34.7	34.4	31.0	-	-	28.1	25.3	160
168	-	41.7	36.6	-	34.2	37.0	34.3	33.6	30.9	29.3	-	27.6	25.0	168
176	-	-	34.7	-	-	37.0	33.4	32.0	30.9	28.7	-	27.0	24.7	176
184	-	-	-	-	-	36.1	31.7	29.7	30.9	28.4	-	26.4	24.5	184
192	-	-	-	-	-	-	29.9	-	30.9	28.3	-	25.3	24.5	192
200	-	-	-	-	-	-	28.2	-	30.7	27.5	-	23.7	24.5	200
208	-	-	-	-	-	-	-	-	29.3	26.0	-	21.7	24.5	208
216	-	-	-	-	-	-	-	-	-	24.6	-	-	24.5	216
224	-	-	-	-	-	-	-	-	-	-	-	-	24.4	224
232	-	-	-	-	-	-	-	-	-	-	-	-	-	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	240

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

 19.7 ft (XL)				360°						ASME B30.5	
 97.8 ft											
		226.4 ft			246.1 ft			265.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb									ft
80	27.3	-	-	-	-	-	-	-	-	-	80
88	26.7	-	-	21.2	-	-	-	-	-	-	88
96	26.3	-	-	20.7	-	-	17.6	-	-	-	96
104	25.9	-	-	20.3	-	-	17.2	-	-	-	104
112	25.6	-	-	20.0	-	-	17.0	-	-	-	112
120	25.2	-	-	19.6	-	-	16.6	-	-	-	120
128	24.8	-	-	19.2	-	-	16.2	-	-	-	128
136	24.5	-	-	18.8	-	-	15.9	-	-	-	136
144	24.5	-	-	18.5	-	-	15.7	-	-	-	144
152	24.0	20.9	-	18.3	16.9	-	15.4	-	-	-	152
160	23.3	20.6	-	17.9	16.6	-	15.1	-	-	-	160
168	22.7	20.4	-	17.5	16.2	-	14.9	13.8	-	-	168
176	22.1	20.1	-	17.2	15.9	-	14.6	13.5	-	-	176
184	21.6	19.8	-	16.7	15.6	-	14.3	13.2	-	-	184
192	20.8	19.6	18.7	16.5	15.4	-	14.1	12.9	-	-	192
200	20.3	19.5	18.4	16.1	15.3	14.7	13.8	12.7	-	-	200
208	19.6	19.4	18.1	15.6	15.1	14.4	13.5	12.6	-	-	208
216	19.0	19.2	18.1	15.2	15.0	14.1	13.2	12.4	11.7	-	216
224	17.8	19.1	17.9	14.7	14.7	13.9	12.9	12.3	11.7	-	224
232	-	18.6	17.9	14.4	14.5	13.8	12.5	12.1	11.4	-	232
240	-	18.2	17.9	13.9	14.2	13.7	12.2	12.1	11.3	-	240
248	-	17.9	17.9	13.5	14.0	13.7	12.0	12.1	11.2	-	248
256	-	-	17.4	-	13.7	13.7	11.7	12.1	11.0	-	256
264	-	-	-	-	13.5	13.5	10.8	11.9	11.0	-	264
272	-	-	-	-	-	13.4	-	11.6	11.0	-	272
280	-	-	-	-	-	13.3	-	11.5	11.0	-	280
288	-	-	-	-	-	-	-	11.3	11.0	-	288
296	-	-	-	-	-	-	-	-	11.0	-	296

132,300 lb

154,350 lb

176,400 lb

198,400 lb

220,500 lb






242,500 lb




264,600 lb

286,600 lb







308,600 lb

330,700 lb

 19.7 ft (XL)					360°					ASME B30.5					
 114.2 ft															
		78.7 ft			88.6 ft			108.3 ft			128.0 ft				
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°		
ft					1,000 lb										ft
56		121.6	-	-	109.9	-	-	-	-	-	72.9	-	-	56	
64		115.9	-	-	108.1	-	-	87.2	-	-	71.3	-	-	64	
72		107.5	-	-	104.4	-	-	85.8	-	-	69.9	-	-	72	
80		98.0	-	-	97.7	-	-	84.4	-	-	68.6	-	-	80	
88		-	82.6	-	90.0	-	-	82.7	-	-	67.6	-	-	88	
96		-	77.6	-	-	76.9	-	80.0	-	-	67.0	-	-	96	
104		-	71.5	-	-	71.0	-	74.4	-	-	66.4	-	-	104	
112		-	-	58.6	-	65.7	-	-	65.0	-	65.7	57.3	-	112	
120		-	-	54.5	-	-	53.8	-	60.5	-	60.8	56.5	-	120	
128		-	-	-	-	-	50.2	-	56.5	-	55.3	55.0	-	128	
136		-	-	-	-	-	-	-	53.1	46.4	-	51.9	44.7	136	
144		-	-	-	-	-	-	-	-	43.3	-	48.6	42.2	144	
152		-	-	-	-	-	-	-	-	-	-	45.7	39.6	152	
160		-	-	-	-	-	-	-	-	-	-	-	37.4	160	
168		-	-	-	-	-	-	-	-	-	-	-	35.2	168	

		147.6 ft			167.3 ft			187.0 ft			206.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb											ft	
64	58.8	-	-	-	-	-	-	-	-	-	-	-	-	64
72	57.8	-	-	-	46.3	-	-	38.6	-	-	-	-	-	72
80	56.5	-	-	-	45.7	-	-	38.3	-	-	-	31.0	-	80
88	55.5	-	-	-	44.7	-	-	37.8	-	-	-	30.6	-	88
96	54.7	-	-	-	43.9	-	-	37.4	-	-	-	30.1	-	96
104	53.9	-	-	-	43.3	-	-	36.9	-	-	-	29.8	-	104
112	53.6	46.7	-	-	42.7	-	-	36.3	-	-	-	29.5	-	112
120	53.2	45.9	-	-	42.0	-	-	35.8	-	-	-	29.3	-	120
128	52.0	45.3	-	-	41.4	37.3	-	35.3	-	-	-	28.9	-	128
136	49.4	44.8	-	-	40.9	36.7	-	35.1	31.2	-	-	28.3	-	136
144	46.0	44.5	-	-	40.2	36.2	-	34.8	30.7	-	-	28.0	23.8	144
152	-	44.1	38.5	-	39.1	35.9	-	34.5	30.4	-	-	28.0	23.6	152
160	-	42.2	36.1	-	37.8	35.5	-	33.9	29.9	-	-	27.7	23.2	160
168	-	39.9	34.1	-	35.3	35.5	32.8	33.1	29.8	-	-	27.3	22.8	168
176	-	37.8	32.2	-	-	35.5	31.1	31.8	29.6	27.9	-	26.8	22.5	176
184	-	-	30.4	-	-	34.8	29.3	30.1	29.5	27.5	-	26.0	22.5	184
192	-	-	-	-	-	32.9	27.7	-	29.5	26.8	-	25.1	22.3	192
200	-	-	-	-	-	-	26.1	-	29.5	25.3	-	23.7	22.3	200
208	-	-	-	-	-	-	24.8	-	28.8	23.9	-	22.2	22.3	208
216	-	-	-	-	-	-	-	-	27.4	22.6	-	-	22.3	216
224	-	-	-	-	-	-	-	-	-	21.5	-	-	22.0	224
232	-	-	-	-	-	-	-	-	-	-	-	-	21.8	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	240
248	-	-	-	-	-	-	-	-	-	-	-	-	-	248

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb






 19.7 ft (XL)				360°				ASME B30.5			
 114.2 ft											
 		226.4 ft			246.1 ft			265.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb									ft
88	25.8	-	-		20.5	-	-	-	-	-	88
96	25.4	-	-		20.2	-	-	17.1	-	-	96
104	25.2	-	-		19.9	-	-	16.8	-	-	104
112	24.7	-	-		19.6	-	-	16.5	-	-	112
120	24.4	-	-		19.3	-	-	16.3	-	-	120
128	24.3	-	-		18.8	-	-	16.0	-	-	128
136	24.1	-	-		18.6	-	-	15.7	-	-	136
144	23.8	-	-		18.3	-	-	15.4	-	-	144
152	23.5	20.0	-		18.0	-	-	15.2	-	-	152
160	23.0	19.8	-		17.6	16.0	-	14.9	-	-	160
168	22.6	19.5	-		17.3	15.7	-	14.6	13.2	-	168
176	22.1	19.4	-		17.0	15.5	-	14.4	13.0	-	176
184	21.6	19.2	-		16.5	15.2	-	14.3	12.8	-	184
192	20.8	19.0	-		16.3	14.9	-	14.1	12.5	-	192
200	20.3	18.9	17.8		15.9	14.8	-	13.8	12.2	-	200
208	19.8	18.7	17.5		15.5	14.6	13.9	13.5	12.1	-	208
216	19.2	18.7	17.4		15.0	14.6	13.7	13.2	11.9	-	216
224	18.3	18.7	17.2		14.5	14.3	13.4	12.9	11.9	11.2	224
232	-	18.7	17.2		14.2	14.1	13.2	12.5	11.7	11.0	232
240	-	18.4	17.2		13.8	13.9	13.2	12.2	11.7	10.8	240
248	-	18.1	16.6		13.3	13.7	13.1	12.0	11.7	10.7	248
256	-	-	15.6		-	13.4	13.0	11.7	11.7	10.6	256
264	-	-	14.8		-	13.2	13.0	11.0	11.7	10.6	264
272	-	-	-		-	13.0	12.9	-	11.6	10.6	272
280	-	-	-		-	-	12.5	-	11.5	10.6	280
288	-	-	-		-	-	11.8	-	11.3	10.5	288
296	-	-	-		-	-	-	-	-	10.3	296
304	-	-	-		-	-	-	-	-	9.6	304
		132,300 lb	154,350 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb	308,600 lb	330,700 lb




19.7 ft (XL)										360°	ASME B30.5
130.6 ft											
78.7 ft			88.6 ft			108.3 ft			128.0 ft		
84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°
ft			1,000 lb						ft		
56	116.5	-	-	104.7	-	-	-	-	69.9	-	-
64	110.5	-	-	102.5	-	-	83.7	-	68.4	-	-
72	102.9	-	-	100.1	-	-	82.0	-	67.1	-	-
80	96.6	-	-	93.4	-	-	80.9	-	66.0	-	-
88	-	-	-	87.3	-	-	79.0	-	65.0	-	-
96	-	74.9	-	-	-	-	76.2	-	64.2	-	-
104	-	69.0	-	-	68.4	-	72.2	-	63.6	-	-
112	-	-	-	-	63.5	-	-	62.6	62.8	54.2	-
120	-	-	51.4	-	-	-	-	58.4	60.8	53.4	-
128	-	-	48.0	-	-	47.4	-	54.4	57.0	52.5	-
136	-	-	-	-	-	44.3	-	51.0	-	49.9	-
144	-	-	-	-	-	-	-	40.7	-	46.9	-
152	-	-	-	-	-	-	-	38.3	-	44.0	37.2
160	-	-	-	-	-	-	-	-	-	-	34.8
168	-	-	-	-	-	-	-	-	-	-	32.8
176	-	-	-	-	-	-	-	-	-	-	30.9

147.6 ft			167.3 ft			187.0 ft			206.7 ft		
84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°
ft			1,000 lb						ft		
64	56.1	-	-	-	-	-	-	-	-	-	-
72	55.6	-	-	44.1	-	-	-	-	-	-	-
80	54.5	-	-	43.8	-	-	36.5	-	29.5	-	-
88	53.5	-	-	43.2	-	-	36.3	-	29.2	-	-
96	52.7	-	-	42.6	-	-	36.0	-	29.0	-	-
104	52.1	-	-	42.0	-	-	35.6	-	28.7	-	-
112	51.6	-	-	41.2	-	-	35.0	-	28.4	-	-
120	51.3	43.5	-	40.7	-	-	34.5	-	28.2	-	-
128	51.1	43.0	-	40.3	35.3	-	34.2	-	27.9	-	-
136	49.7	42.4	-	40.0	34.7	-	33.8	-	27.6	-	-
144	47.5	42.1	-	39.5	34.4	-	33.7	29.1	27.1	-	-
152	-	41.8	-	38.7	33.9	-	33.5	28.8	27.1	22.5	-
160	-	40.5	33.7	37.6	33.6	-	33.3	28.5	26.8	22.1	-
168	-	38.2	31.7	36.1	33.5	30.7	32.5	28.2	26.7	21.7	-
176	-	36.2	29.8	-	33.5	28.7	31.5	28.0	26.1	21.4	-
184	-	-	28.0	-	33.2	27.1	29.9	28.0	25.5	21.4	-
192	-	-	26.6	-	31.4	25.4	-	28.0	24.7	21.2	20.0
200	-	-	-	-	-	23.9	-	28.0	23.6	21.2	19.7
208	-	-	-	-	-	22.6	-	27.4	22.4	21.2	19.5
216	-	-	-	-	-	21.5	-	26.1	-	21.2	19.4
224	-	-	-	-	-	-	-	19.5	-	21.2	18.4
232	-	-	-	-	-	-	-	18.4	-	21.1	17.3
240	-	-	-	-	-	-	-	-	-	-	16.4
248	-	-	-	-	-	-	-	-	-	-	15.5






132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb


	132,300 lb	154,350 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb	308,600 lb	330,700 lb
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 19.7 ft (XL)					360°						ASME B30.5				
 147.0 ft															
		78.7 ft			88.6 ft			108.3 ft			128.0 ft				
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°		
ft					1,000 lb									ft	
56		111.0	-	-	-	-	-	-	-	-	-	-	-	56	
64		105.1	-	-	97.1	-	-	-	-	-	65.7	-	-	64	
72		95.7	-	-	91.6	-	-	78.5	-	-	64.4	-	-	72	
80		87.7	-	-	85.4	-	-	77.4	-	-	63.3	-	-	80	
88		-	-	-	78.8	-	-	76.0	-	-	62.3	-	-	88	
96		-	-	-	74.5	-	-	72.0	-	-	61.7	-	-	96	
104		-	66.8	-	-	-	-	66.8	-	-	60.9	-	-	104	
112		-	61.9	-	-	61.3	-	62.1	-	-	58.5	-	-	112	
120		-	-	-	-	57.0	-	-	55.6	-	55.7	48.9	-	120	
128		-	-	39.0	-	-	-	-	52.6	-	52.6	47.3	-	128	
136		-	-	37.9	-	-	35.3	-	49.2	-	49.6	45.8	-	136	
144		-	-	-	-	-	34.2	-	46.2	-	-	44.4	-	144	
152		-	-	-	-	-	-	-	-	35.8	-	42.3	-	152	
160		-	-	-	-	-	-	-	-	33.6	-	39.9	32.4	160	
168		-	-	-	-	-	-	-	-	-	-	-	30.4	168	
176		-	-	-	-	-	-	-	-	-	-	-	28.7	176	

		147.6 ft			167.3 ft			187.0 ft			206.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb											ft	
72		53.6	-	-	-	-	-	-	-	-	-	-	-	72
80		52.5	-	-	42.1	-	-	35.0	-	-	-	-	-	80
88		51.5	-	-	41.7	-	-	34.8	-	-	27.8	-	-	88
96		50.7	-	-	41.2	-	-	34.6	-	-	27.6	-	-	96
104		50.1	-	-	40.4	-	-	34.4	-	-	27.6	-	-	104
112		49.6	-	-	39.9	-	-	33.9	-	-	27.3	-	-	112
120		49.1	-	-	39.4	-	-	33.4	-	-	27.3	-	-	120
128		48.7	40.6	-	39.0	-	-	33.1	-	-	27.0	-	-	128
136		48.0	39.9	-	38.6	33.0	-	32.7	-	-	26.7	-	-	136
144		45.8	39.3	-	38.4	32.4	-	32.4	-	-	26.3	-	-	144
152		43.1	38.4	-	38.0	32.2	-	32.4	27.3	-	26.0	-	-	152
160		-	37.4	-	37.1	31.8	-	32.2	26.8	-	25.9	20.9	-	160
168		-	36.5	29.4	36.1	31.4	-	31.8	26.5	-	25.8	20.6	-	168
176		-	34.7	27.4	34.3	30.9	-	31.0	26.5	-	25.6	20.3	-	176
184		-	-	25.7	-	30.4	24.9	29.9	26.4	-	25.1	20.1	-	184
192		-	-	24.4	-	29.9	23.3	28.4	26.2	22.3	24.4	20.1	-	192
200		-	-	23.1	-	28.4	22.0	-	25.9	21.1	23.5	19.9	-	200
208		-	-	-	-	-	20.6	-	25.6	19.7	22.3	19.8	18.2	208
216		-	-	-	-	-	19.5	-	24.8	18.6	21.0	19.8	17.5	216
224		-	-	-	-	-	-	-	-	17.5	-	19.6	16.4	224
232		-	-	-	-	-	-	-	-	16.7	-	19.6	15.6	232
240		-	-	-	-	-	-	-	-	15.8	-	19.6	14.7	240
248		-	-	-	-	-	-	-	-	-	-	-	13.8	248
256		-	-	-	-	-	-	-	-	-	-	-	13.0	256

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

 19.7 ft (XL)				360°						ASME B30.5	
 147.0 ft											
		226.4 ft			246.1 ft			265.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft		1,000 lb									ft
96	23.7	-	-	19.0	-	-	-	-	-	96	
104	23.2	-	-	18.8	-	-	15.5	-	-	104	
112	22.9	-	-	18.5	-	-	15.4	-	-	112	
120	22.4	-	-	18.2	-	-	15.2	-	-	120	
128	22.2	-	-	17.7	-	-	15.1	-	-	128	
136	21.7	-	-	17.5	-	-	14.8	-	-	136	
144	21.4	-	-	17.2	-	-	14.6	-	-	144	
152	21.1	-	-	16.9	-	-	14.3	-	-	152	
160	20.9	-	-	16.7	-	-	14.0	-	-	160	
168	20.7	17.7	-	16.4	-	-	13.9	-	-	168	
176	20.5	17.5	-	16.1	13.9	-	13.7	-	-	176	
184	20.5	17.2	-	15.9	13.7	-	13.4	11.2	-	184	
192	20.2	17.0	-	15.6	13.4	-	13.2	11.2	-	192	
200	19.9	16.9	-	15.3	13.2	-	13.1	10.9	-	200	
208	19.3	16.8	-	15.1	13.1	-	13.0	10.8	-	208	
216	18.8	16.6	15.4	14.6	13.0	-	13.0	10.6	-	216	
224	18.5	16.5	15.2	14.3	12.8	-	12.8	10.4	-	224	
232	17.8	16.5	14.8	14.0	12.7	11.9	12.5	10.3	-	232	
240	-	16.5	13.9	13.5	12.6	11.7	12.2	10.2	9.5	240	
248	-	16.5	13.1	13.2	12.6	11.6	12.0	10.1	9.4	248	
256	-	16.5	12.3	-	12.6	11.5	11.7	10.1	9.3	256	
264	-	-	11.5	-	12.3	10.6	11.3	10.1	9.1	264	
272	-	-	10.8	-	12.1	9.9	10.5	10.1	8.9	272	
280	-	-	10.3	-	11.9	9.2	-	10.1	8.5	280	
288	-	-	-	-	-	8.6	-	10.1	7.9	288	
296	-	-	-	-	-	8.1	-	10.1	7.2	296	
304	-	-	-	-	-	-	-	-	6.7	304	
312	-	-	-	-	-	-	-	-	6.2	312	
320	-	-	-	-	-	-	-	-	5.6	320	



132,300 lb

154,350 lb

176,400 lb

198,400 lb

220,500 lb

242,500 lb






264,600 lb

286,600 lb

308,600 lb






330,700 lb


132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

 19.7 ft (XL)					360°						ASME B30.5			
 163.4 ft														
		78.7 ft			88.6 ft			108.3 ft			128.0 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft					1,000 lb									ft
64		94.0	-	-	-	-	-	-	-	-	-	-	-	64
72		88.5	-	-	84.1	-	-	-	-	-	61.3	-	-	72
80		82.7	-	-	79.5	-	-	71.4	-	-	60.5	-	-	80
88		-	-	-	74.7	-	-	68.1	-	-	59.4	-	-	88
96		-	-	-	69.5	-	-	64.9	-	-	57.9	-	-	96
104		-	-	-	-	-	-	61.5	-	-	56.0	-	-	104
112		-	57.2	-	-	54.5	-	58.0	-	-	53.9	-	-	112
120		-	-	-	-	52.2	-	-	-	-	51.7	-	-	120
128		-	-	-	-	50.3	-	-	44.9	-	49.5	40.4	-	128
136		-	-	28.5	-	-	-	-	43.1	-	46.7	38.9	-	136
144		-	-	27.6	-	-	23.6	-	41.7	-	-	37.5	-	144
152		-	-	-	-	-	-	-	-	-	-	36.5	-	152
160		-	-	-	-	-	-	-	-	31.6	-	35.4	-	160
168		-	-	-	-	-	-	-	-	29.7	-	34.4	28.5	168
176		-	-	-	-	-	-	-	-	-	-	-	26.7	176
184		-	-	-	-	-	-	-	-	-	-	-	25.3	184

		147.6 ft			167.3 ft			187.0 ft			206.7 ft					
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°			
ft		1,000 lb												ft		
80		49.5	-	-	40.5	-	-	-	-	-	-	-	-	80		
88		48.7	-	-	39.9	-	-	33.1	-	-	-	-	-	88		
96		47.9	-	-	39.4	-	-	32.8	-	-	26.0	-	-	96		
104		47.1	-	-	38.9	-	-	32.7	-	-	26.0	-	-	104		
112		46.3	-	-	38.3	-	-	32.4	-	-	26.0	-	-	112		
120		45.4	-	-	37.8	-	-	32.1	-	-	26.0	-	-	120		
128		44.2	-	-	37.3	-	-	31.6	-	-	25.9	-	-	128		
136		42.9	34.9	-	36.7	-	-	31.4	-	-	25.6	-	-	136		
144		41.3	33.8	-	36.2	-	-	30.9	-	-	25.4	-	-	144		
152		39.2	32.7	-	35.4	28.6	-	30.6	23.5	-	25.1	-	-	152		
160		-	31.6	-	34.5	27.7	-	30.6	23.1	-	24.8	-	-	160		
168		-	30.7	-	33.4	26.9	-	30.3	22.5	-	24.7	18.6	-	168		
176		-	29.8	24.0	32.2	26.1	-	29.7	21.9	-	24.5	18.2	-	176		
184		-	29.3	22.9	-	25.3	-	29.1	21.1	-	24.5	17.8	-	184		
192		-	-	22.1	-	24.8	19.7	28.2	20.6	-	23.9	17.6	-	192		
200		-	-	21.3	-	24.3	18.9	-	20.1	-	23.4	17.3	-	200		
208		-	-	20.2	-	23.9	18.2	-	19.8	16.5	22.5	16.9	-	208		
216		-	-	-	-	-	17.7	-	19.4	15.9	21.3	16.6	13.9	216		
224		-	-	-	-	-	17.1	-	19.0	15.4	-	16.1	13.4	224		
232		-	-	-	-	-	-	-	-	14.8	-	15.8	12.9	232		
240		-	-	-	-	-	-	-	-	14.1	-	15.5	12.5	240		
248		-	-	-	-	-	-	-	-	13.5	-	15.4	12.0	248		
256		-	-	-	-	-	-	-	-	-	-	-	11.7	256		
264		-	-	-	-	-	-	-	-	-	-	-	11.0	264		

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

 19.7 ft (XL)				360°			ASME B30.5	
 163.4 ft								
		226.4 ft			246.1 ft			
		84°	73°	65°	84°	73°	65°	
ft1,000 lbft								
96	22.9	-	-	-	-	-	-	96
104	22.3	-	-	17.9	-	-	-	104
112	22.0	-	-	17.8	-	-	-	112
120	21.7	-	-	17.6	-	-	-	120
128	21.3	-	-	17.2	-	-	-	128
136	21.0	-	-	16.8	-	-	-	136
144	20.5	-	-	16.5	-	-	-	144
152	20.3	-	-	16.3	-	-	-	152
160	20.2	-	-	16.0	-	-	-	160
168	19.9	-	-	15.7	-	-	-	168
176	19.7	16.1	-	15.5	-	-	-	176
184	19.6	15.9	-	15.4	12.6	-	-	184
192	19.6	15.6	-	15.2	12.3	-	-	192
200	19.4	15.3	-	14.9	12.2	-	-	200
208	19.1	15.1	-	14.6	12.0	-	-	208
216	18.8	14.8	-	14.3	11.9	-	-	216
224	18.5	14.3	12.1	14.1	11.7	-	-	224
232	18.1	14.0	11.7	13.7	11.4	-	-	232
240	-	13.8	11.2	13.3	11.1	9.1	-	240
248	-	13.5	10.8	13.1	10.8	8.8	-	248
256	-	13.2	10.6	-	10.6	8.4	-	256
264	-	13.2	10.0	-	10.4	8.1	-	264
272	-	-	9.5	-	10.3	7.8	-	272
280	-	-	9.0	-	10.2	7.6	-	280
288	-	-	8.4	-	10.1	7.3	-	288
296	-	-	-	-	-	7.0	-	296
304	-	-	-	-	-	6.5	-	304



132,300 lb

154,350 lb

176,400 lb

198,400 lb

220,500 lb






242,500 lb




264,600 lb

286,600 lb







308,600 lb

330,700 lb

 19.7 ft (XL)					360°					ASME B30.5				
 179.8 ft														
		78.7 ft			88.6 ft			108.3 ft			128.0 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft					1,000 lb									ft
72		76.2	-	-	72.3	-	-	-	-	-	-	-	-	72
80		70.7	-	-	67.4	-	-	62.4	-	-	56.1	-	-	80
88		66.3	-	-	63.0	-	-	59.1	-	-	53.6	-	-	88
96		-	-	-	59.3	-	-	55.5	-	-	51.2	-	-	96
104		-	-	-	-	-	-	52.2	-	-	48.6	-	-	104
112		-	47.5	-	-	-	-	49.5	-	-	45.9	-	-	112
120		-	45.9	-	-	43.3	-	-	-	-	43.6	-	-	120
128		-	-	-	-	41.9	-	-	-	-	41.5	-	-	128
136		-	-	-	-	40.4	-	-	36.7	-	39.8	33.2	-	136
144		-	-	18.8	-	-	-	-	35.3	-	-	31.8	-	144
152		-	-	-	-	-	16.2	-	34.2	-	-	30.7	-	152
160		-	-	-	-	-	-	-	-	-	-	29.6	-	160
168		-	-	-	-	-	-	-	-	26.6	-	28.7	-	168
176		-	-	-	-	-	-	-	-	25.7	-	28.1	21.3	176
184		-	-	-	-	-	-	-	-	-	-	-	20.5	184
192		-	-	-	-	-	-	-	-	-	-	-	19.7	192

		147.6 ft			167.3 ft			187.0 ft			206.7 ft			
		84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft				1,000 lb									ft	
80		46.4	-	-	-	-	-	-	-	-	-	-	-	80
88		45.5	-	-	37.7	-	-	-	-	-	-	-	-	88
96		44.3	-	-	37.2	-	-	30.6	-	-	24.7	-	-	96
104		43.1	-	-	36.7	-	-	30.5	-	-	24.5	-	-	104
112		41.3	-	-	36.1	-	-	30.4	-	-	24.2	-	-	112
120		39.2	-	-	35.0	-	-	30.1	-	-	23.7	-	-	120
128		37.4	-	-	33.6	-	-	29.6	-	-	23.4	-	-	128
136		35.6	-	-	32.1	-	-	28.8	-	-	22.8	-	-	136
144		34.0	28.5	-	30.7	-	-	28.0	-	-	22.3	-	-	144
152		32.9	27.4	-	29.4	22.4	-	27.2	-	-	21.7	-	-	152
160		-	26.6	-	28.3	21.6	-	26.1	-	-	21.0	-	-	160
168		-	25.6	-	27.2	20.8	-	25.0	18.5	-	20.3	-	-	168
176		-	24.8	-	26.5	20.0	-	24.1	18.0	-	19.5	15.0	-	176
184		-	24.2	18.5	-	19.4	-	23.4	17.4	-	18.7	15.0	-	184
192		-	23.5	17.7	-	18.8	-	22.8	16.9	-	18.2	14.4	-	192
200		-	-	17.0	-	18.3	14.8	-	16.3	-	17.6	14.0	-	200
208		-	-	16.4	-	17.8	14.2	-	15.8	-	17.1	13.6	-	208
216		-	-	15.9	-	17.6	13.5	-	15.5	-	16.8	13.0	-	216
224		-	-	-	-	-	13.2	-	15.2	-	-	12.8	-	224
232		-	-	-	-	-	12.6	-	14.8	-	-	12.5	-	232
240		-	-	-	-	-	-	-	-	-	-	12.2	-	240
248		-	-	-	-	-	-	-	-	-	-	12.0	-	248

132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb

 19.7 ft (XL)				360°		ASME B30.5	
 179.8 ft							
 		226.4 ft					
		84°	73°	65°			
ft	1,000 lb						ft
104	21.2	-	-				104
112	20.9	-	-				112
120	20.4	-	-				120
128	20.2	-	-				128
136	19.7	-	-				136
144	19.4	-	-				144
152	19.1	-	-				152
160	18.7	-	-				160
168	18.3	-	-				168
176	17.9	-	-				176
184	17.4	13.0	-				184
192	16.6	12.9	-				192
200	16.1	12.6	-				200
208	15.6	12.0	-				208
216	15.0	11.7	-				216
224	14.7	11.4	-				224
232	14.3	10.9	-				232
240	-	10.7	-				240
248	-	10.4	-				248
256	-	10.1	-				256
264	-	10.0	-				264
272	-	9.9	-				272
<div> 132,300 lb 154,350 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,600 lb 330,700 lb</div>							

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

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

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

Basic machine

Equipment carrier

Engine 460-5	Mercedes-Benz OM473; Diesel engine; Output 460 kW / 1600 1/min (617 HP), torque 3000 Nm / 1300 1/min; The engine complies with EU Stage V / Tier 4F; Exhaust system complete stainless steel with SCR catalyzer.
Fuel tank	Fuel tank 159 gallons Diesel (no RME / biodiesel); 25 gallons AdBlue tank.
Transmission G280-16TRC	Mercedes-Benz G280-16TRC; Automated gearbox with turbo retarder clutch; 16 forward speeds and 4 reverse; 1-stage transfer case with switchable longitudinal lock.
Axles 14 x 8 x 14	14 x 8 x 14; 7 axles, axles 2, 3, 6 and 7 are driven and dispose of selectable transverse lock; Axle 6 with a selectable longitudinal lock; All axles steered.
Suspension	Hydropneumatic suspension with axle load compensation; Hydraulically lockable.
Steering	Dual-circuit steering system with independent rear axle steering; Axles 1, 2, 3 mechanically connected; Axle 5 and 6/7 electro-hydraulically connected; 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 wearless, sustained-action brake; Additional exhaust brake; Parking brake.
Tire size 385/95 R25 (14.00R25)	Tires size 385/95 R25 (14.00R25); Steel rim 9,5-25/1,7"; TechKing ETCRANE 170F or similar.
Cab 2850	Type 9.4 ft; Adjustable driver seat, armrests and pneumatic suspension; Height and tilt-adjustable steering wheel; Auxiliary / passenger seat; Powered door windows; Tinted glass; Central door locking; Electrically adjustable rear-view mirrors, heated; Radio; Seat heating.
Heating engine-dependent	Engine-dependent warm water heating with 12 kW heating power.
Aircondition	Aircondition for carrier cab, 7 kW rated cooling power.
Rear view camera	Display in carrier cab; Cameras installed on rear of vehicle.
Drive lights	Including low beam, upper beam, daytime running lights, fog lights and cornering lights.
Central lubrication	Automatic central lubrication system for the lubricating points at the carrier.
Outriggers	H-4-Point design; Vertical and horizontal movement fully hydraulic; Automatic or manual levelling; 5 outrigger bases: 8.9 ft, 13.2 ft, 18.0 ft, 22.9 ft and 27.7 ft.
Outtrigger pads 038PA	4 round polyamide outrigger pads A = 1.25 ft ² with transport position at vertical cylinder.
Outtrigger basis monitoring	Individual monitoring of horizontal stroke; Deviation warning in cab.
Outtrigger load indicator	The outrigger load is indicated in the operator cab and the outrigger control box.
Electronic immobilizer system	Prevents uncontrolled carrier mobilization; Incl. 5 ignition keys.
Pneumatic tire filling plug	Pneumatic tire filling plug for self-inflating of the wheels.
Contour safety marking	Continuous reflective strips on the sides of the chassis and in the back.

Equipment superstructure

Telescopic boom HA80	48.6 ft - 262.5 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 6 sheaves integrated in boom head for max. capacity of 284,200 lb.
Boom luffing	1 luffing cylinder with automatic lowering brake valve.
Rotary drive	1 slewing gear unit with spring-loaded multi-disc brake.
H1	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. hoist monitoring.
Counterweight base frame 44,100 lb	44,100 lb (base frame); Self rigging with semiautomatic rigging system, rigging storage on carrier front; Expandable to max. 330,700 lb.
Control system	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits.
Operator aids	IC-1, with integrated load moment indicator acc. EN13000; Colour display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger.
Working range limiter	Displaying and programmability of the work range limits by IC-1.
Hook height indication	Displaying and programmability of the hook height H1 by IC-1.
Cab 875	Type 2.87 ft; Tilt infinitely variable 16°; Sliding window rear; Fold-out front window; Extendable side pedestal, front pedestal; Handrails; Tinted safety glass; Pull-down sun visor; Radio; Seat heating.
Heating engine-independent	Engine independent warm water heating with 5 kW heating power.
Aircondition	Aircondition in crane cab with 5 kW rated cooling power.
Anemometer	Disconnectable, to allow use with all extensions.
Remote control	Control of rigging and superstructure movements via wireless remote control.
Central lubrication	Automatic central lubrication system for the lubricating points at the superstructure.

Additional equipment

Carrier

Engine 460 ECE R96	Mercedes-Benz OM473; Diesel engine; Output 460 kW / 1600 1/min (617 HP), torque 3000 Nm / 1300 1/min; The engine complies with ECE R96 (equivalent to former European regulation EU Stage IIIA / Tier 3); Exhaust system complete stainless steel with spark arrester.
Additional fuel tank	Additional fuel tank 53 gallons; For 211 gallons diesel total carrier (no RME / biodiesel).
Removable outrigger box rear	Removable outrigger box rear incl. hydraulic pinning system and quick connections.
Demag Surround View	360° view during road travelling; Speed dependent; Indication in display of carrier cabin. Usable as assistance system when entering jobsite with indication of outrigger positions and tailswing of counterweight.

Superstructure

Quick connection main boom (HA)	Hydraulic bolt extractors and hydraulic and electric quick couplings for fast main boom (dis-) assembly; Incl. switchable suspension calibration for light travel configurations without main boom; Incl. storage space for luffing cylinder.
Heavy lift attachment SSL	3 additional sheaves; For total 9 sheaves at boom head; Max. capacity of 425,500 lb.
2. hoist (H2)	Sideways Superlift; Capacity increasing boom guy support.
Additional counterweight 286,600 lb	2. hoist; Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. hoist monitoring and quick couplings.
Engine-independent aircondition	Additional counterweight 286,600 lb; 12 x 22,050 lb + 2 x 11,025 lb or 10 x 22,050 lb + 6 x 11,025 lb; For total 330,700 lb.
Load supervision camera	For superstructure cabin; Powered by auxiliary diesel power unit; Incl. electrical power supply.
	Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head.

Handling

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

Extensions ft

WIHI 265.7 ft	265.7 ft; Luffing jib with 9.8 ft increments incl. bridle; 3-sheave head; Enables configuration WIHI 78.7 ft - 265.7 ft, LF 26.3 ft - 193.6 ft.
LF 193.6 ft	193.6 ft; Light fixed jib; 3-sheave head; Enables configuration LF 26.3 ft - 193.6 ft.
F-A 183.7 ft	183.7 ft; Fixed jib; Manual offset 20°/40°; 3-sheave head; Enables configuration F-A 36.1 ft - 183.7 ft, LF 26.3 ft - 55.8 ft.
F-A-HY 183.7 ft	183.7 ft; Fixed jib; Hydraulic, stepless offset 0°-40°; 3-sheave head; Enables configuration F-A-HY 36.1 ft - 183.7 ft, LF 26.3 ft - 55.8 ft.
MS (Runner)	6.6 ft; Assembly jib with fixed angle, 2-sheaved for max. capacity 102,700 lb; Operation on main boom and all extensions possible.

Hook Blocks

Hook block 200-9-23-D-2000	200-9-23-D (4,410 lb); Hook block with ramshorn hook; with white red signal stripes.
Hook block 160-7-23-D-1900	160-7-23-D (4,190 lb); Hook block with ramshorn hook; with white red signal stripes.
Hook block 125-5-23-D-1400	125-5-23-D (3,100 lb); Hook block with ramshorn hook; with white red signal stripes.
Hook block 80-3-23-D-1200	80-3-23-D (2,650 lb); Hook block with ramshorn hook; with white red signal stripes.
Hook block 40-1-23-D-900	40-1-23-D (1,980 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook 12-0-24-E-500	12-0-24-E (1,100 lb); Single hook; red.

Further additional equipment on request!

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

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

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