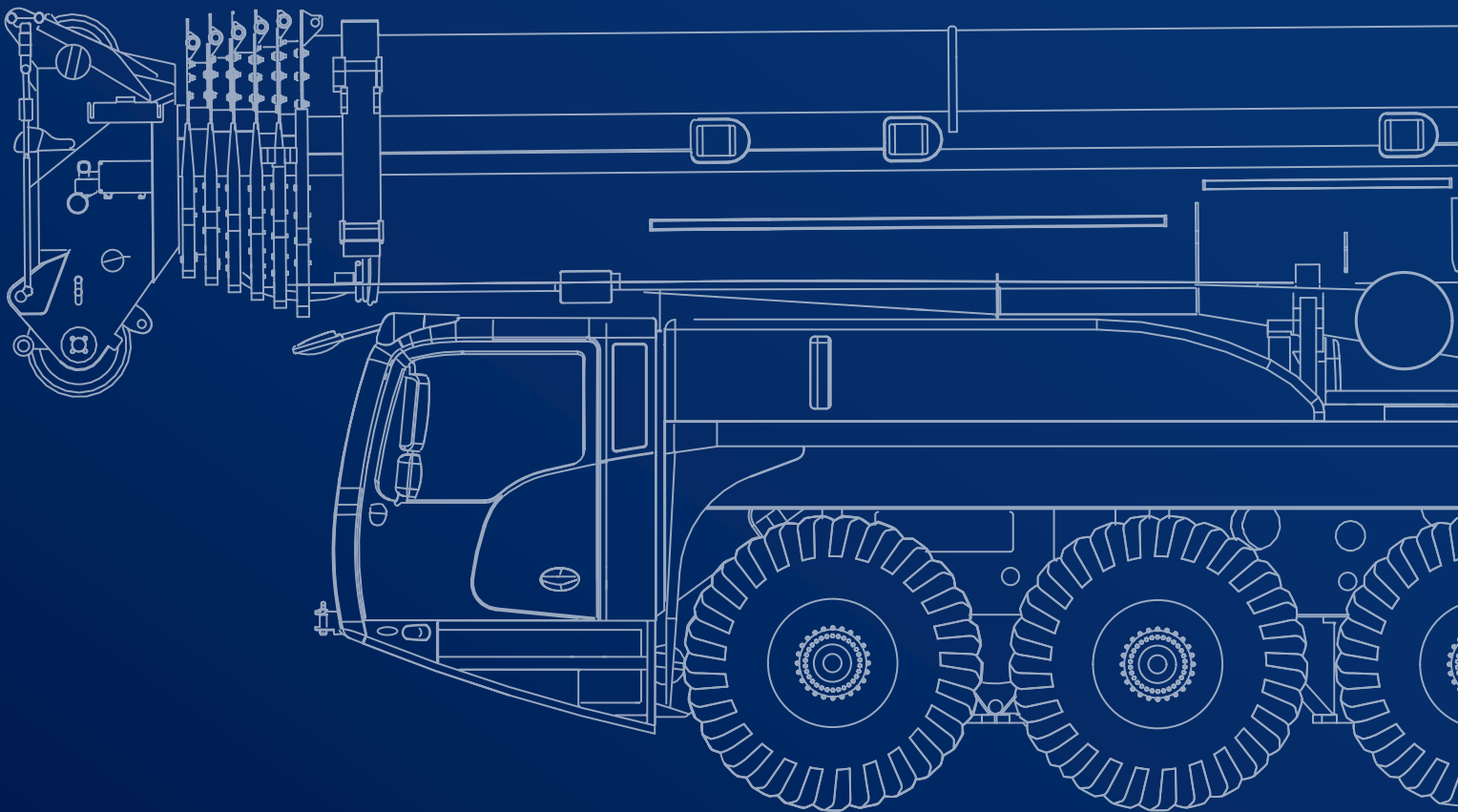


AC 7.450-1

500 US TON MAX. CRANE CAPACITY



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







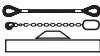
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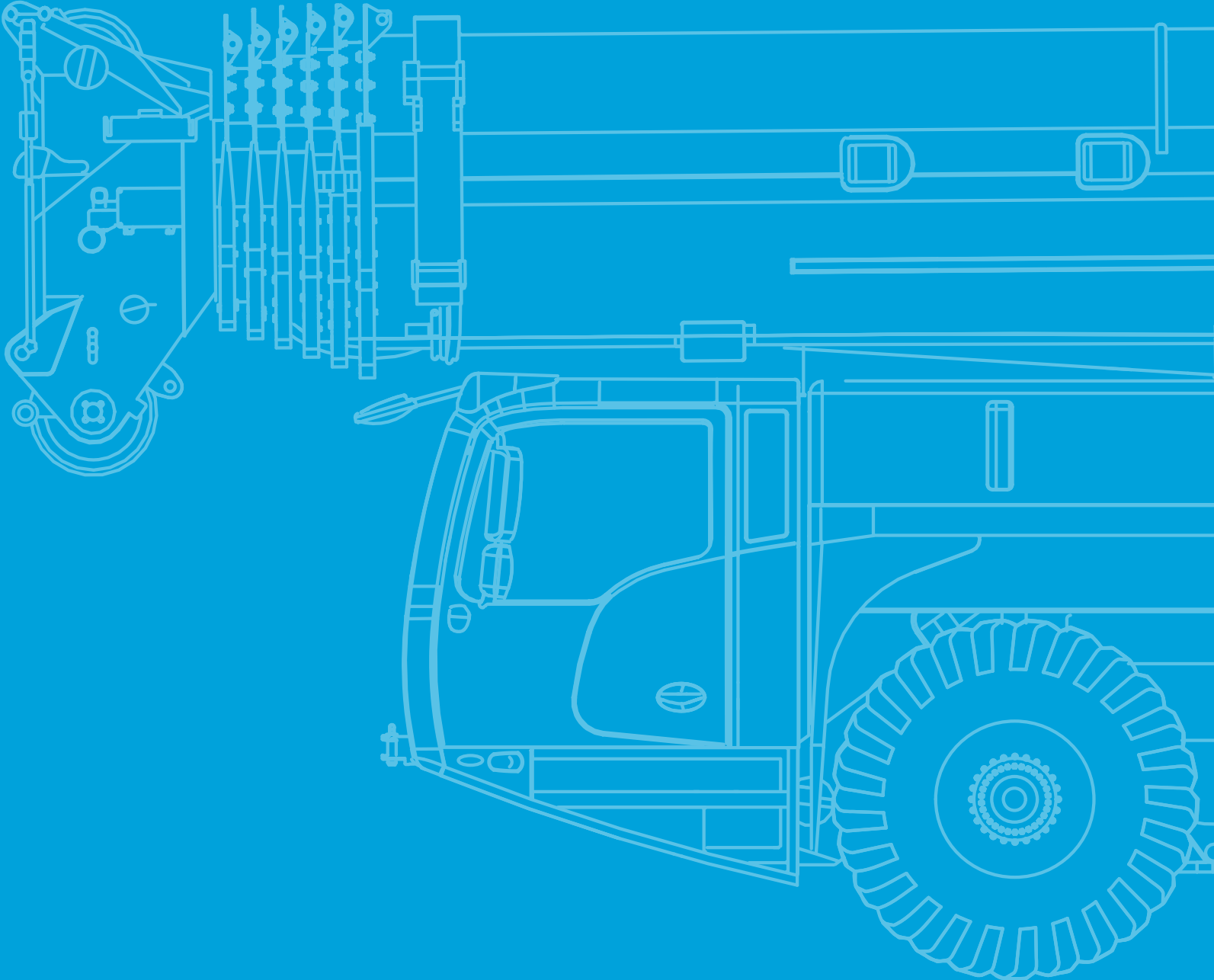
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Key



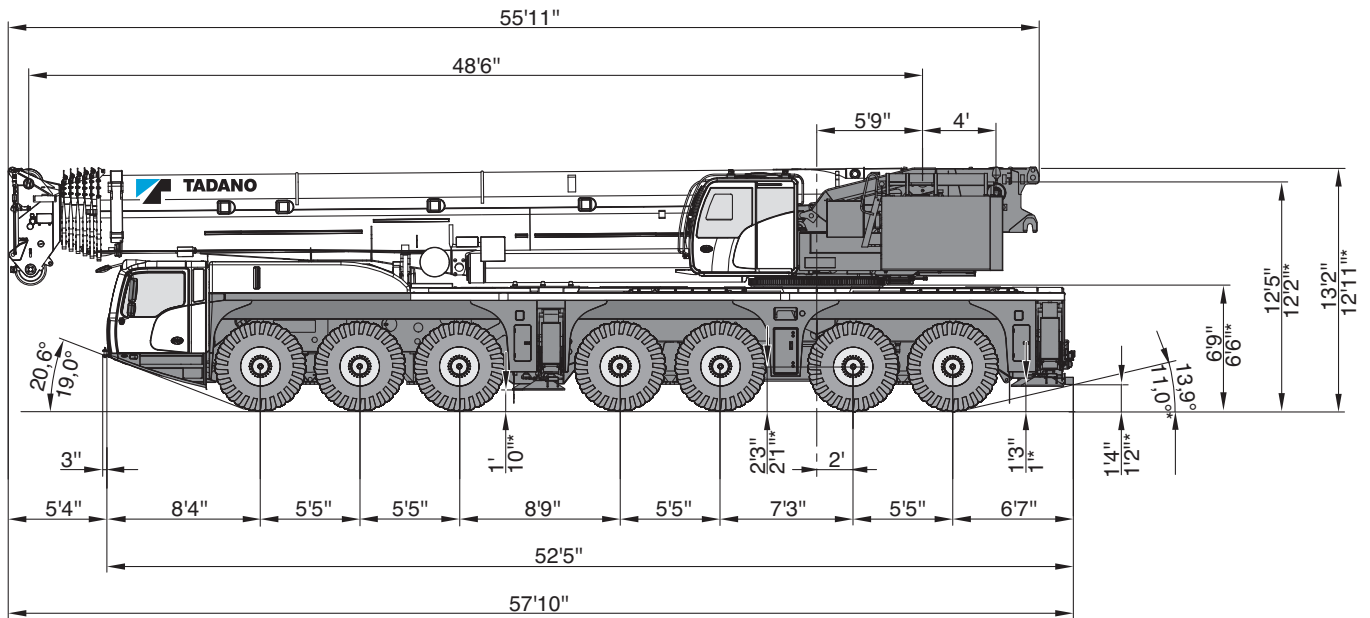
	Counterweight		Dolly
	Lifting capacities on outriggers · 360°		Boom telescoping
	Radius		Boom elevation
	Main boom		Max. line pull
	Fixed fly jib		Rope diameter
	Luffing fly jib		Rope length
	Runner		Hook block
	Max. axle loads		Number of lines
	Mechanism		Possible load of hook block
	Tires		Weight of hook block
	Hook block		Distance head sheave axle – hook ground
	Sideways Superlift (SSL)		Number of sheaves in boom head
	Hoist		Max. outrigger load
	Travel speed		Length of stroke (support cylinders)
	Gradeability – road %		Payload incl. rear storage box
	Working speeds		Counterweight tailswing radius
	Slewing		

GENERAL TECHNICAL DATA



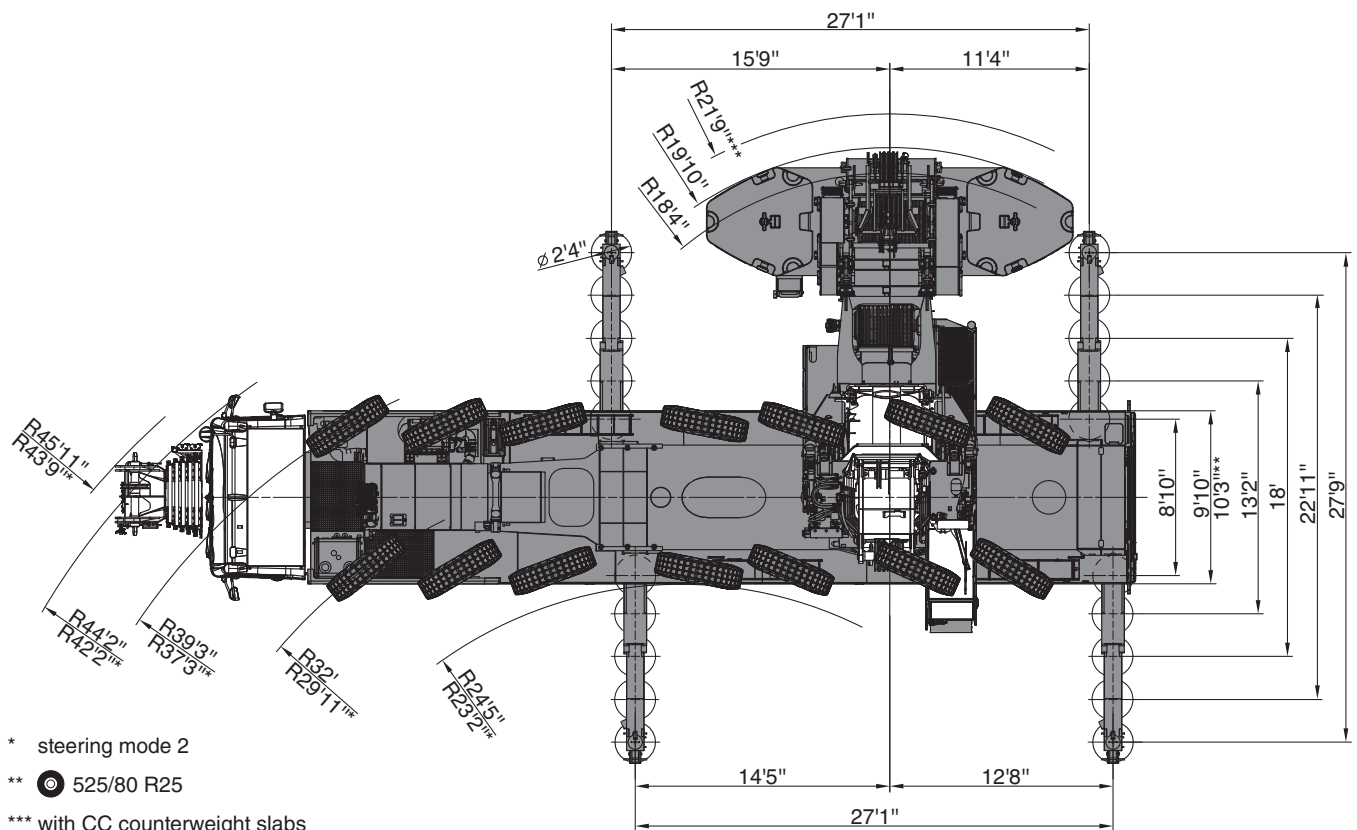
General

Vehicle dimensions



⊙ 445/95 R25 / 525/80 R25

* ⊙ 385/95 R25



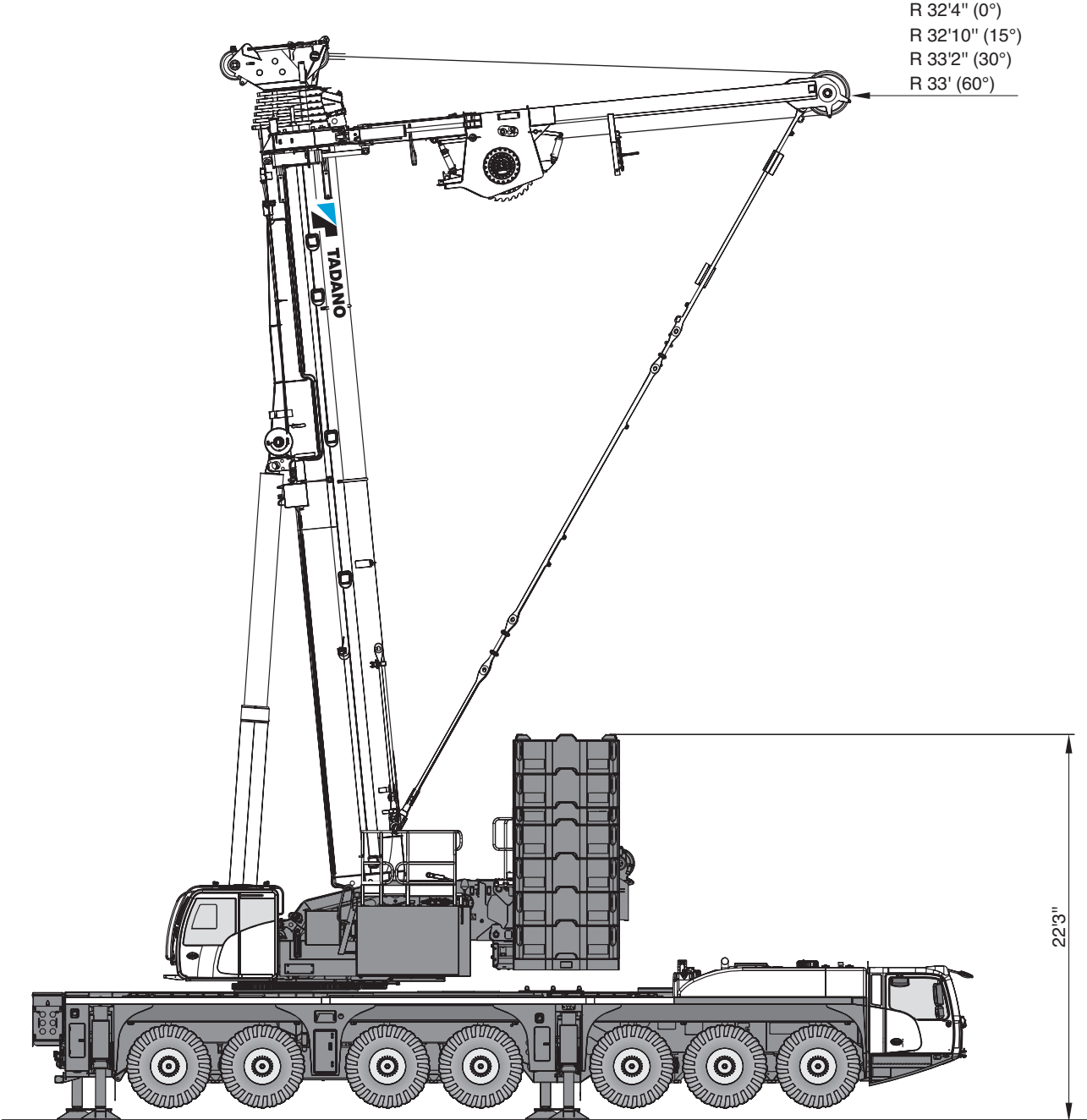
* steering mode 2

** ⊙ 525/80 R25

*** with CC counterweight slabs

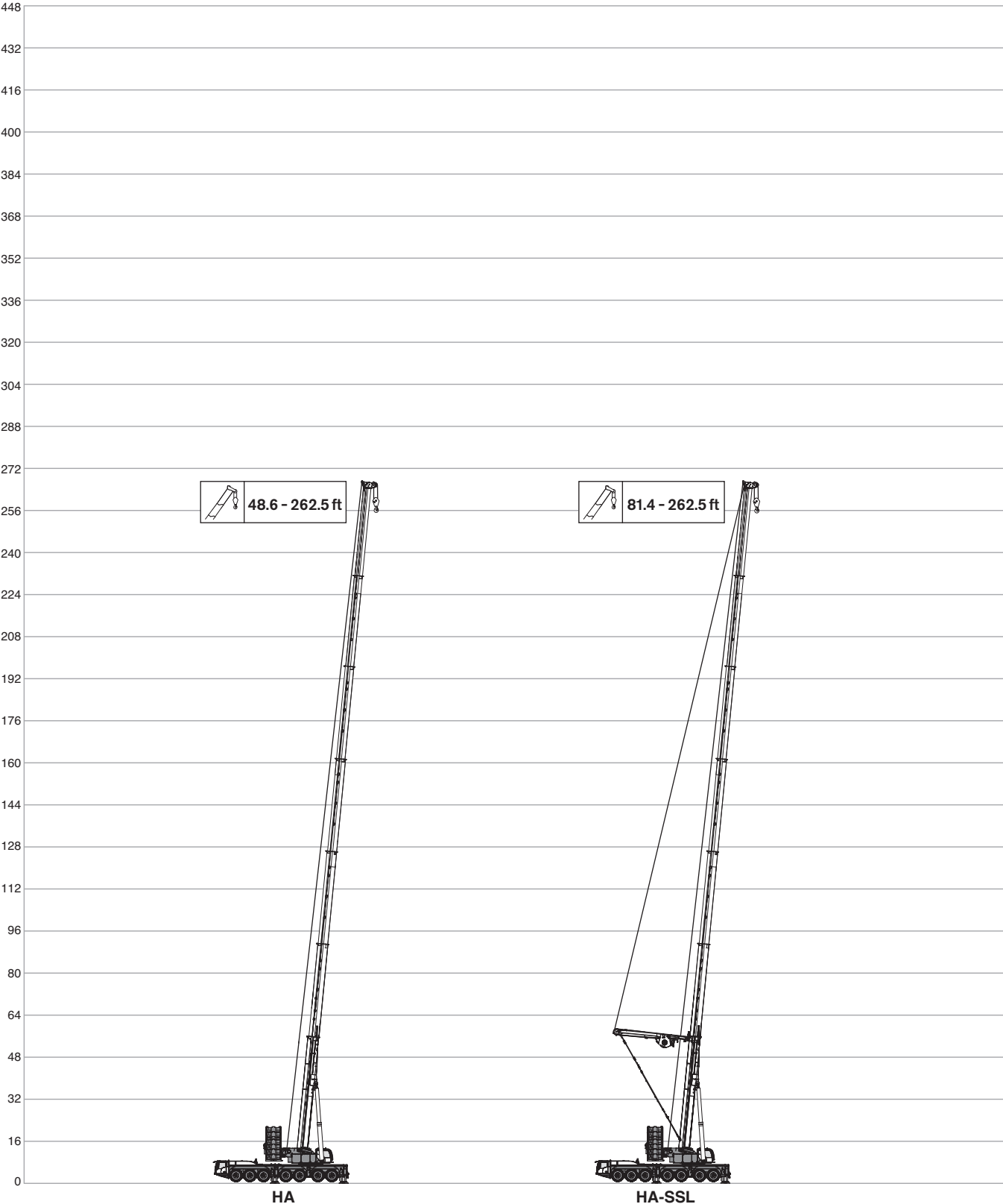
General

Vehicle dimensions



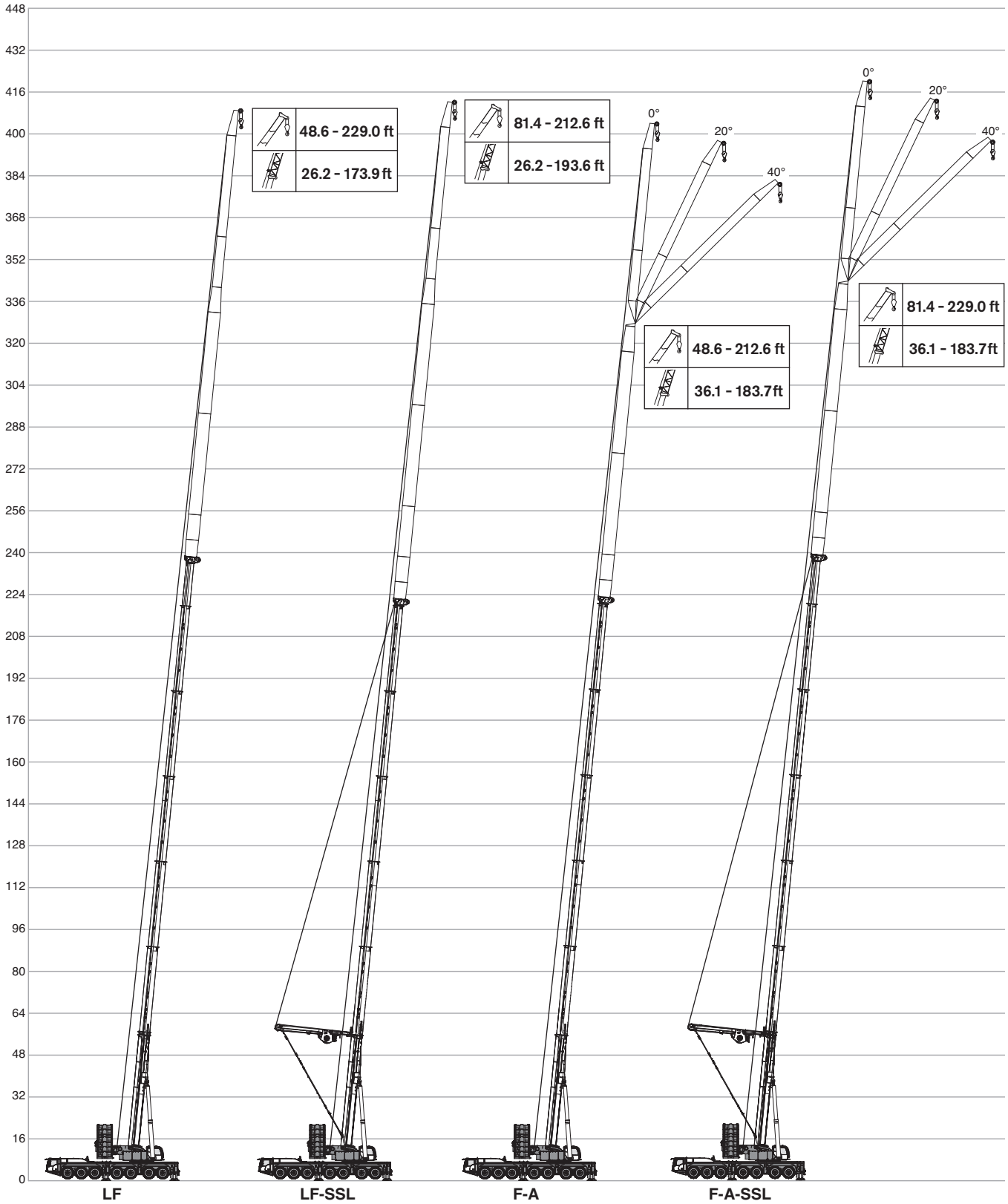
General

Boom Combinations



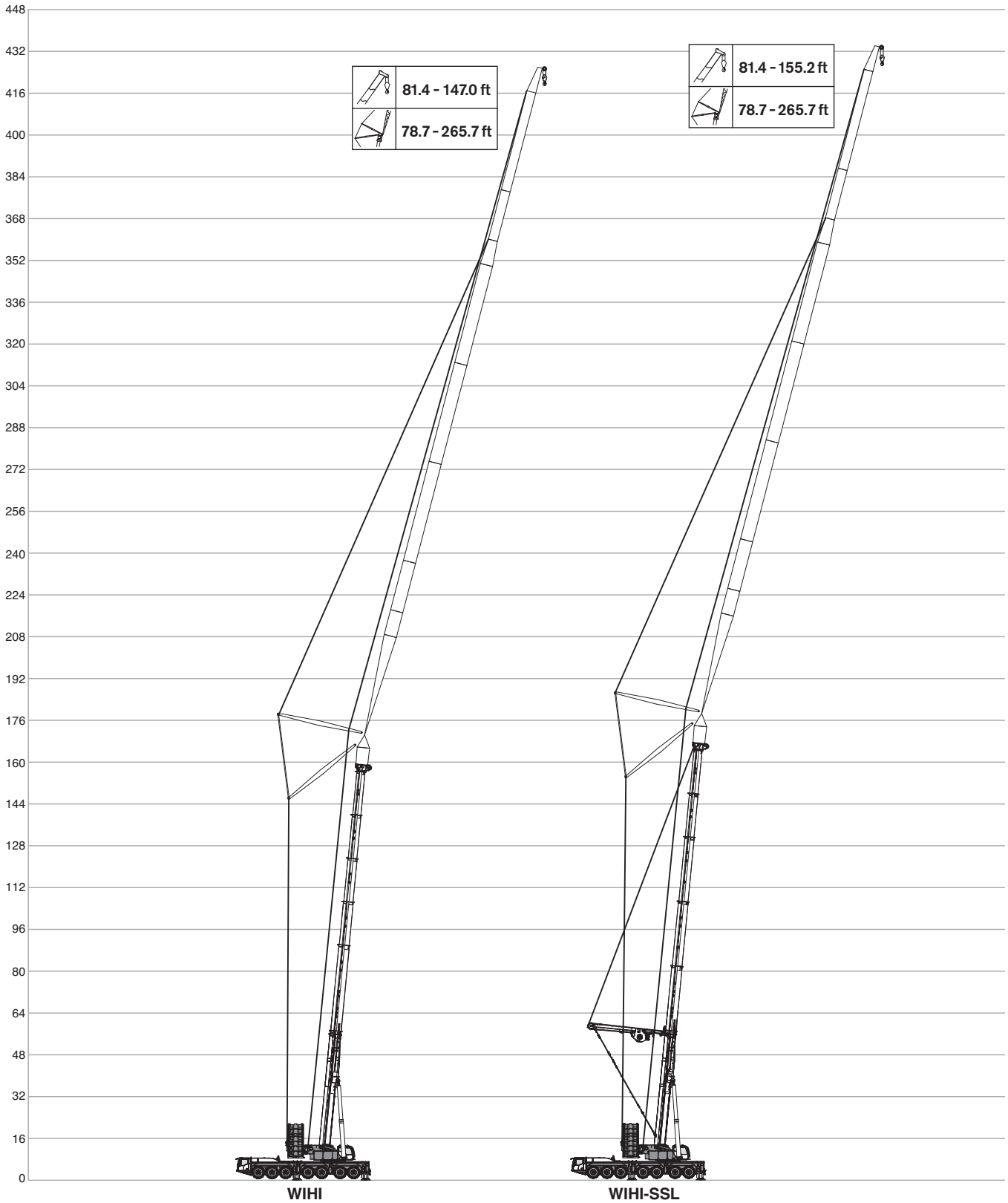
General

Boom Combinations

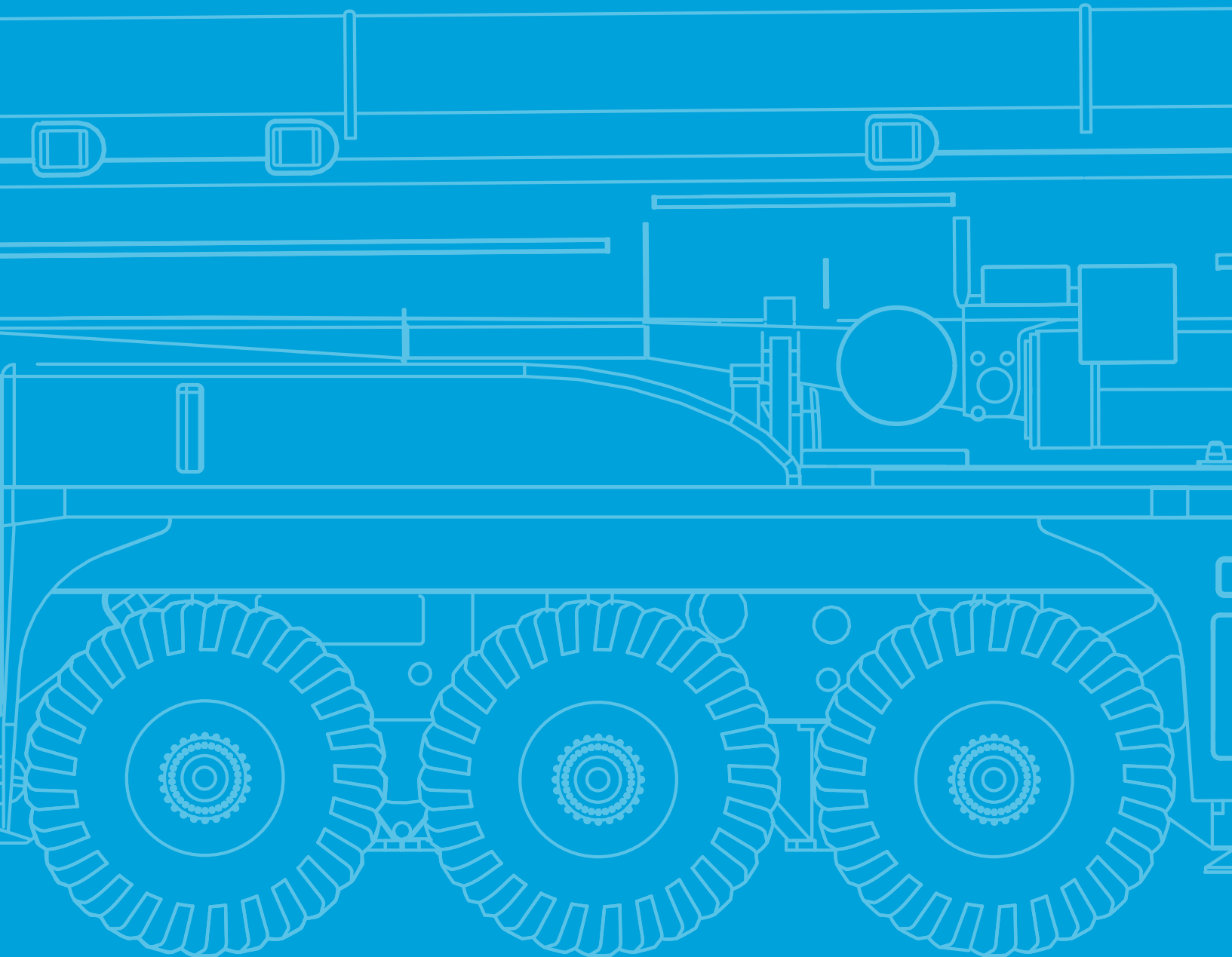


General


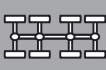






Boom Combinations






TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING

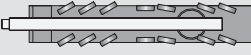
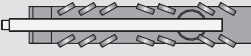
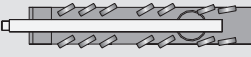
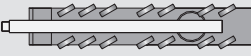
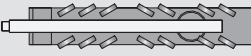


On-road and off-road driving

Axle loads									
	Total								
< 26,500 lb				On request!					X
< 22,050 lb	< 106,000 lb	14 x 8 x 14	445/95R25	–	–	–	–	–	
< 26,500 lb	< 185,200 lb	14 x 8 x 14	385/95R25	262.5 ft	88,200 lb	–	1,430 lb	–	
< 26,500 lb	< 185,200 lb	14 x 8 x 14	445/95R25 (AI)	262.5 ft	176,400 lb Vario	–	–	–	
< 26,500 lb	< 185,200 lb	14 x 8 x 14	445/95R25	262.5 ft	26,500 lb	–	0,770 lb	–	
< 36,400 lb	< 224,900 lb	14 x 8 x 14	445/95R25	262.5 ft	176,400 lb	X	9,920 lb	–	

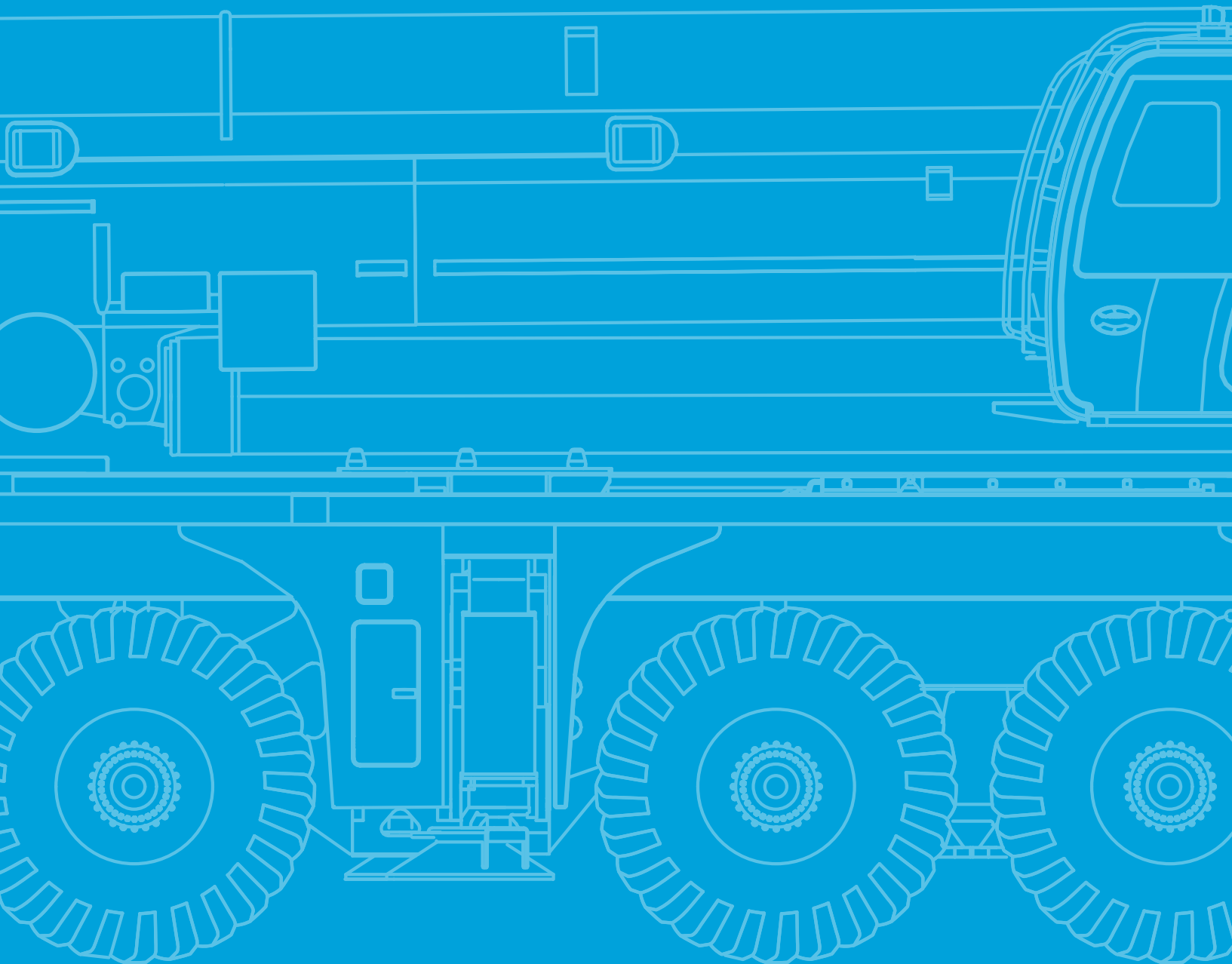
Speeds and gradeability			
	385/95 R 25 14.00 R 25	445/95 R 25 16.00 R 25	525/80 R 25 20.50 R 25
	46 %	41 %	41 %
	52.8 mph ¹⁾		

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

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

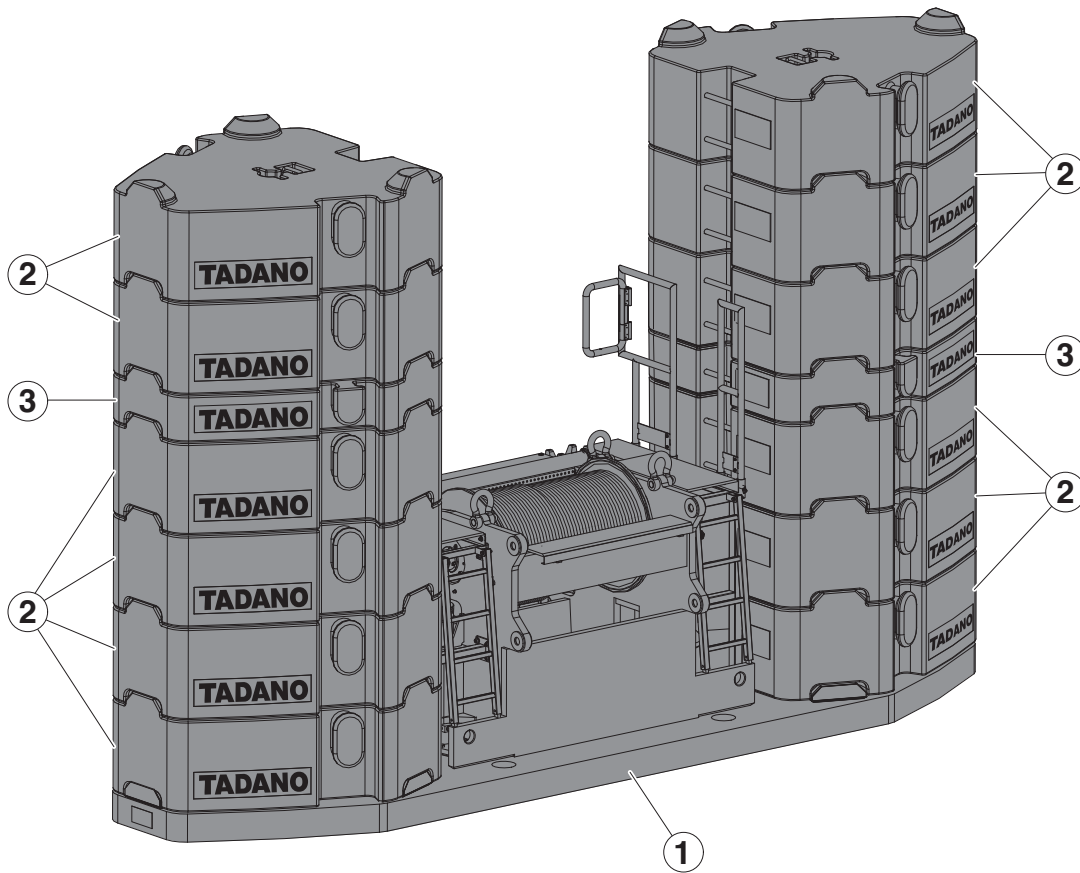
* must be activated

TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight

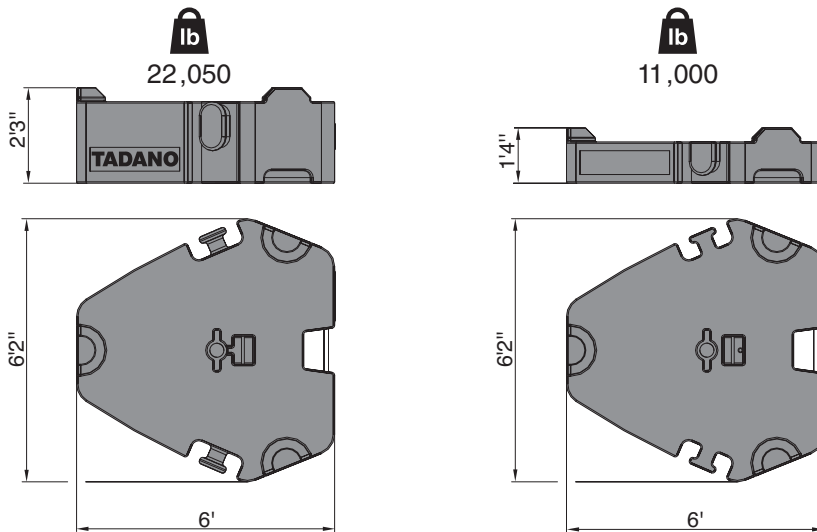
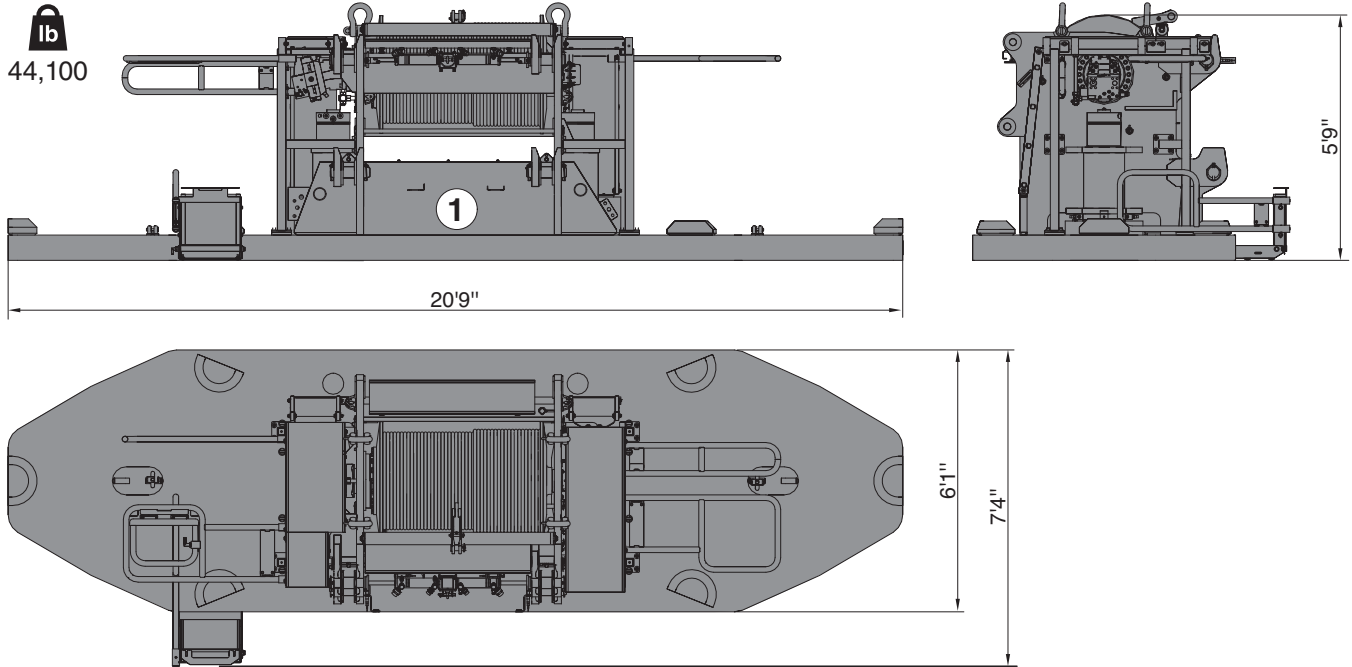


Configurations

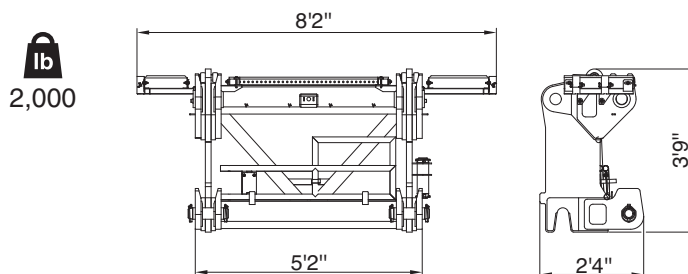
lb	44,100	66,100	88,200	110,200	132,300	154,300	176,400	198,400	220,500	242,500	264,600	286,600	308,700	330,700
① 44,100	1	1	1	1	1	1	1	1	1	1	1	1	1	1
② 22,050			1	2	3	4	5	6	7	8	9 (8)	10 (9)	11 (10)	12 (10)
③ 11,000		2	2	2	2	2	2	2	2	2	2 (4)	2 (4)	2 (4)	2 (6)

Transportation

Counterweight



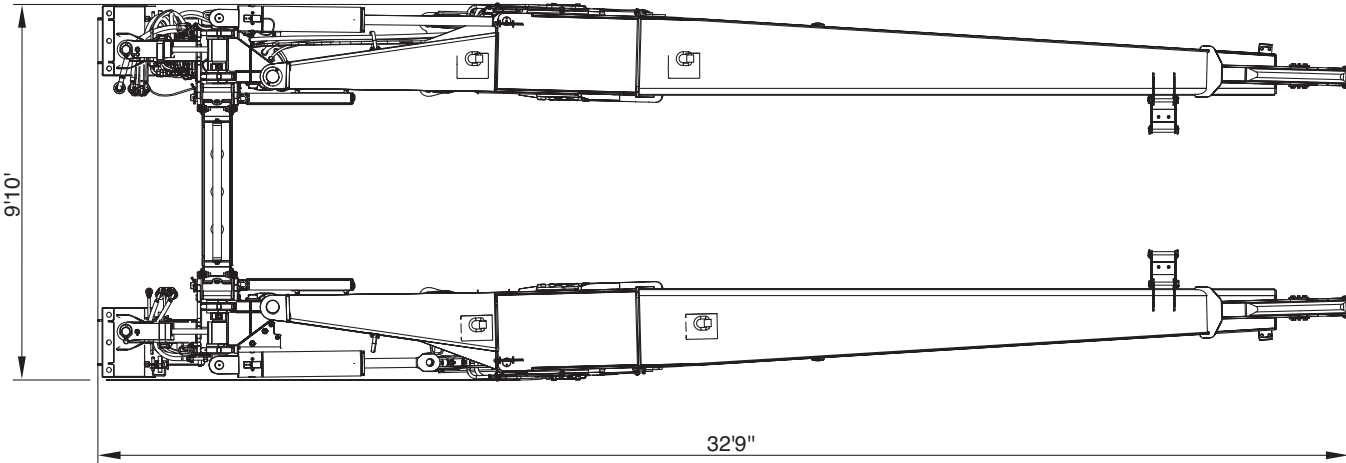
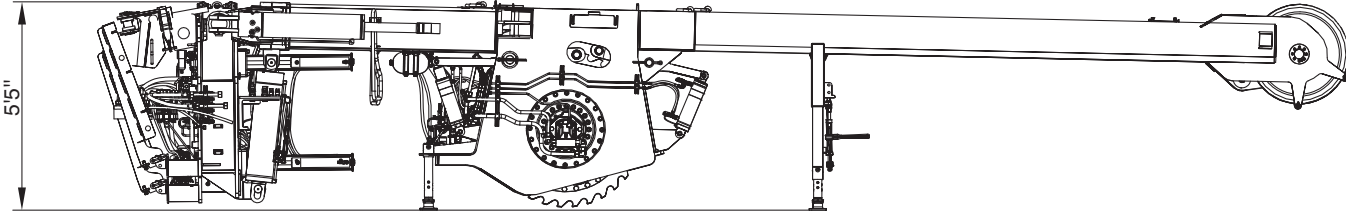
Counterweight adapter frame (XL)



Transportation

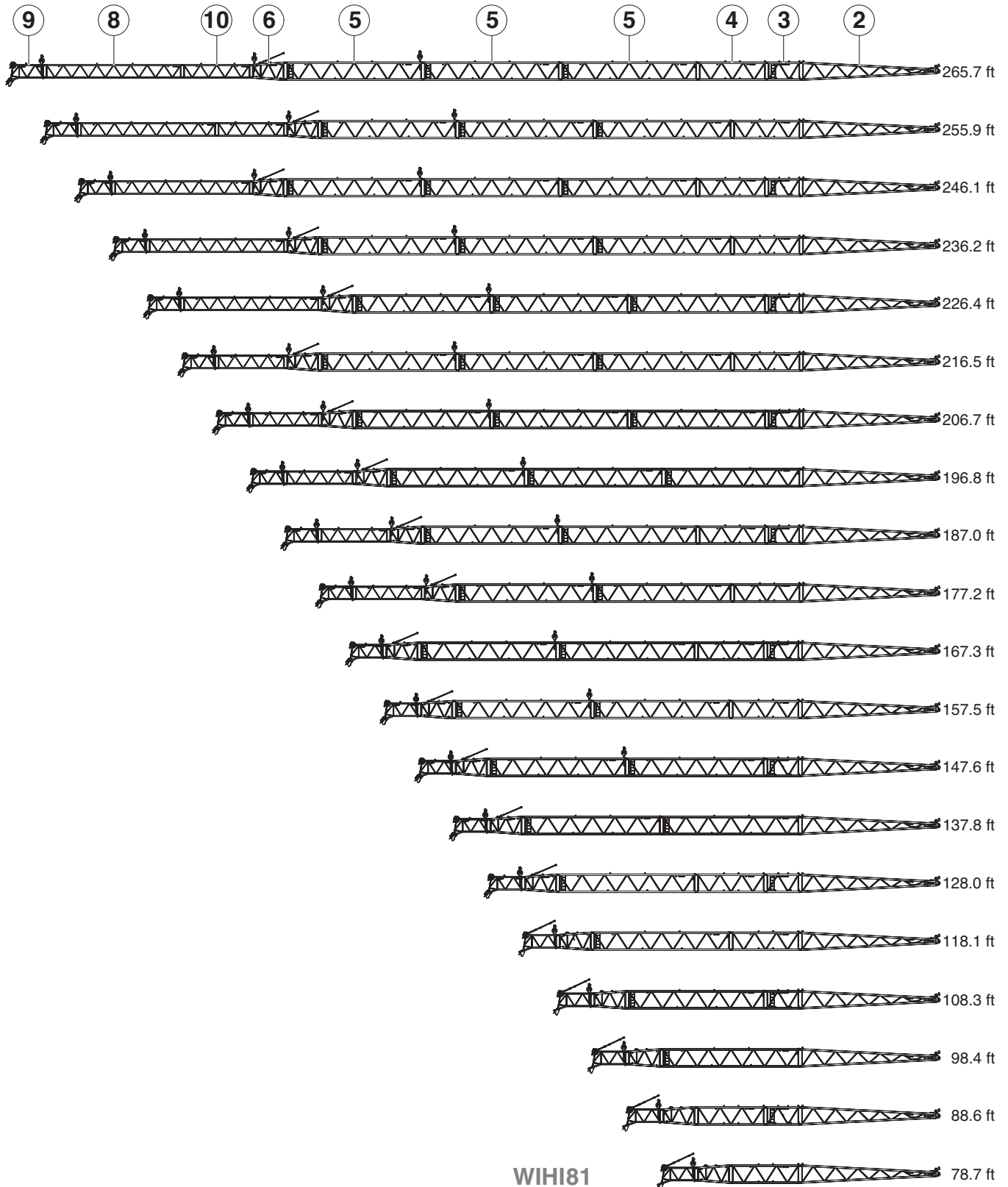
Sideways Superlift (SSL)

 26,700



Transportation

Jib

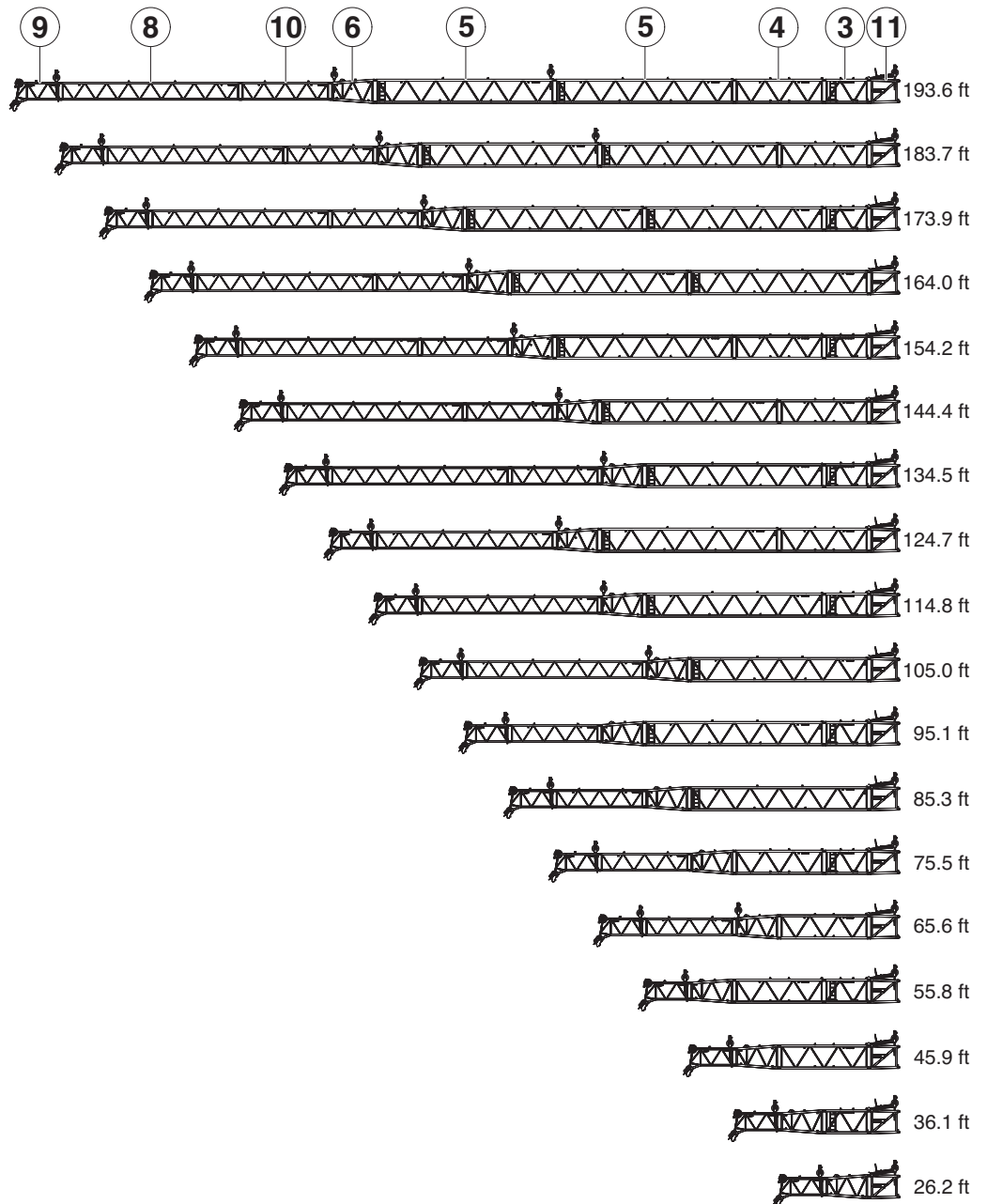


WIHI81

Transportation

Jib

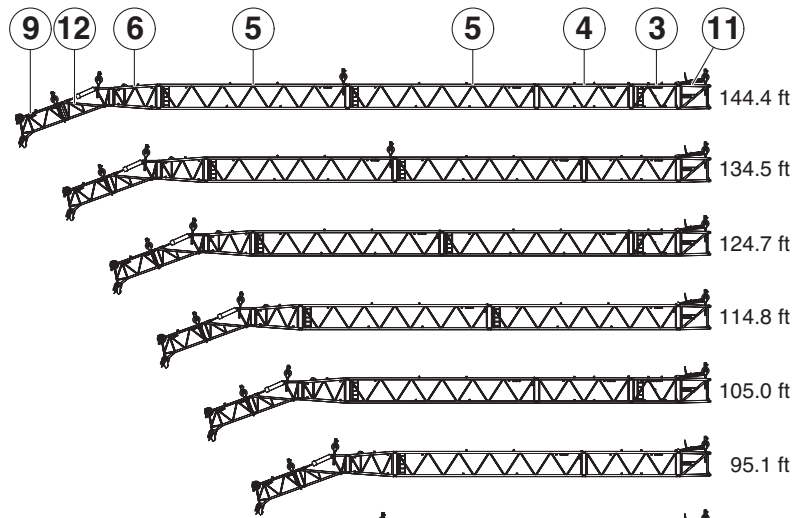
LF59



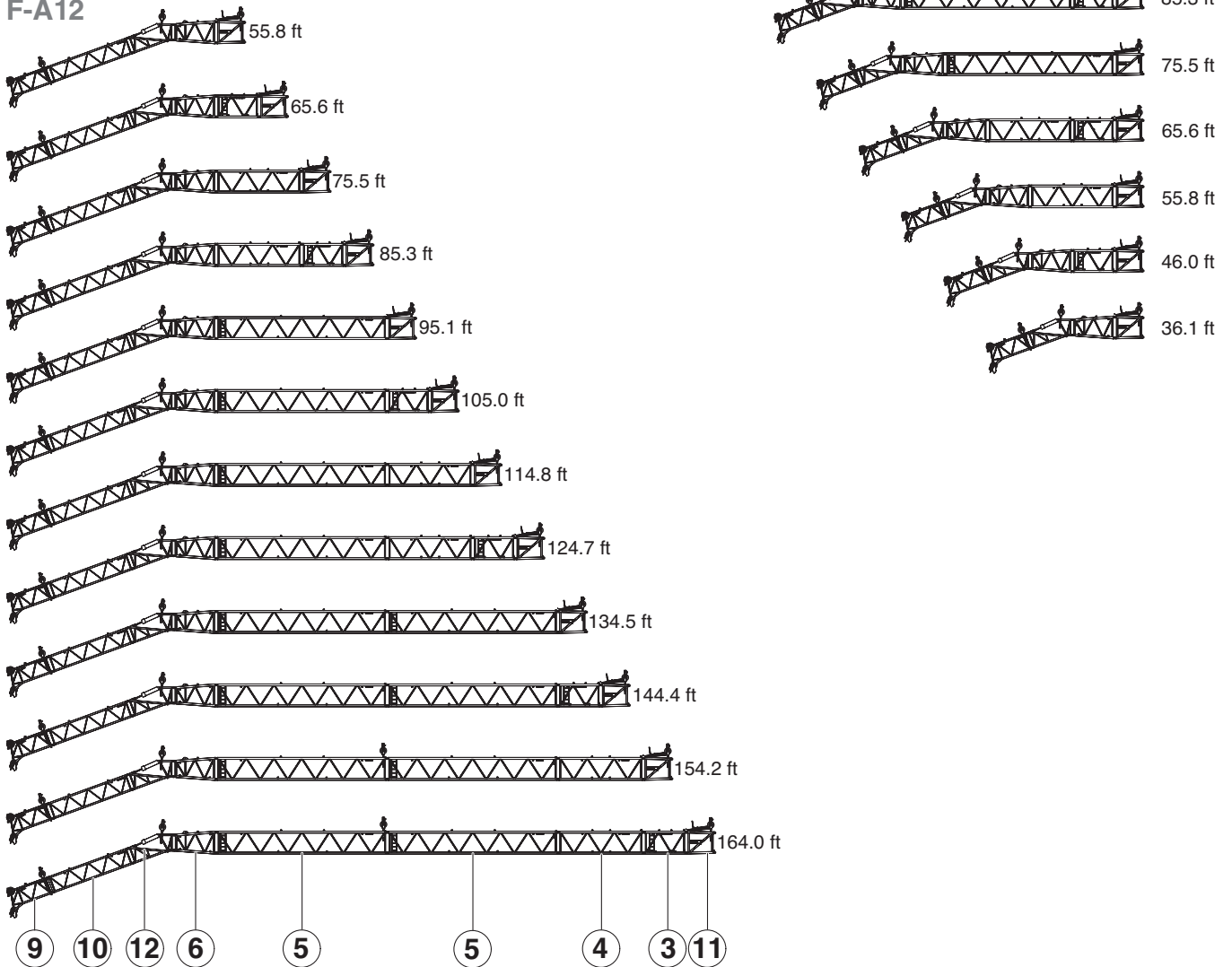
Transportation

Jib

F-A06



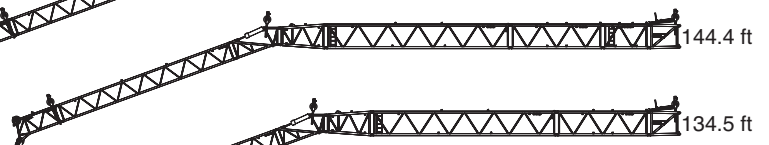
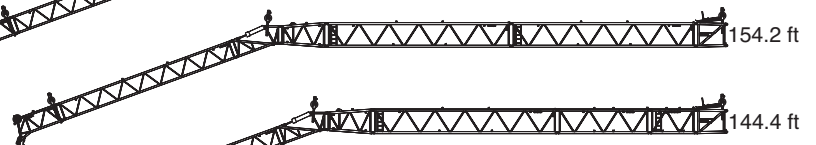
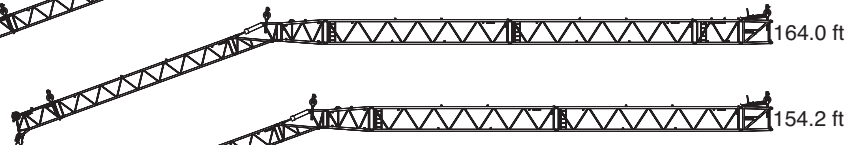
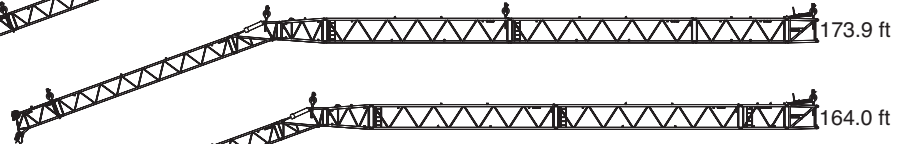
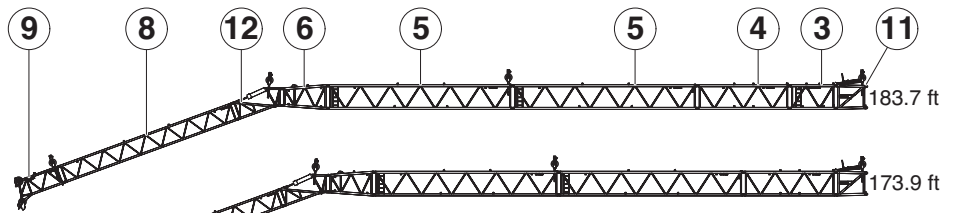
F-A12



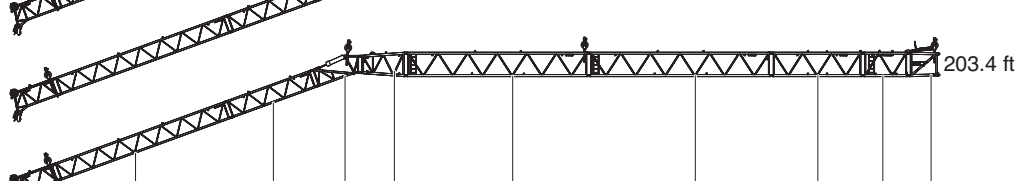
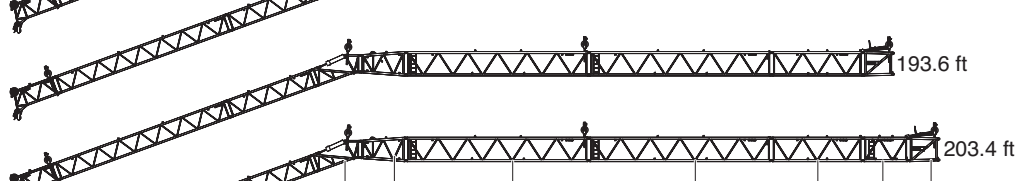
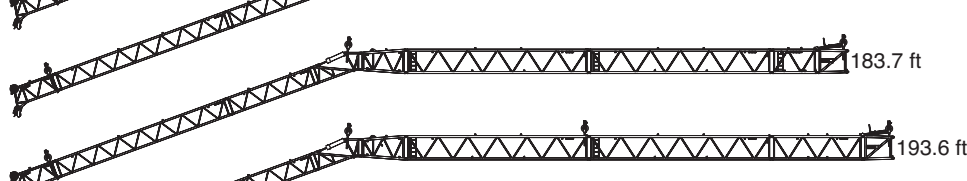
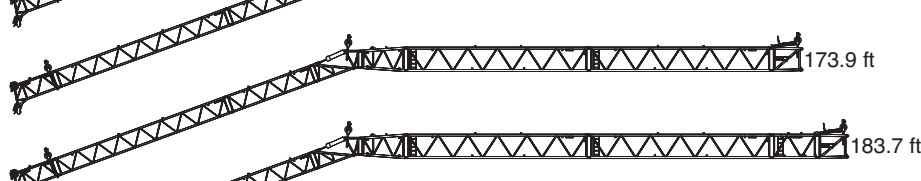
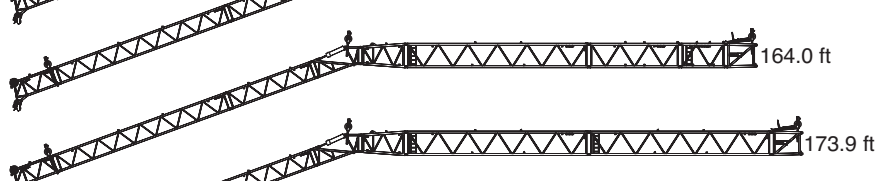
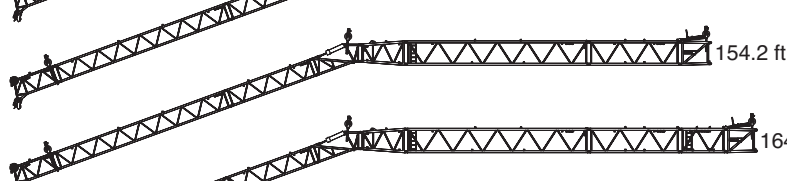
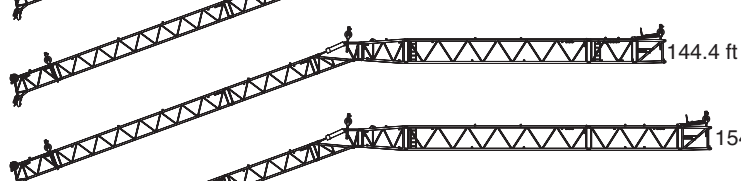
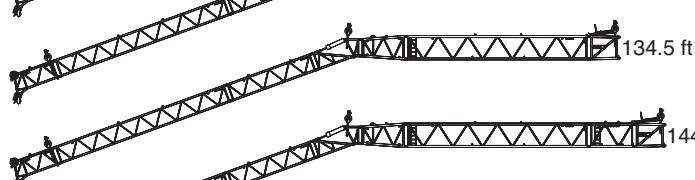
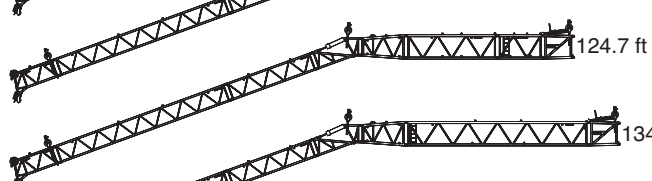
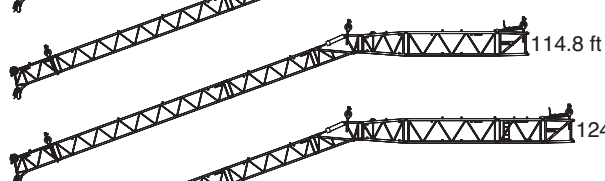
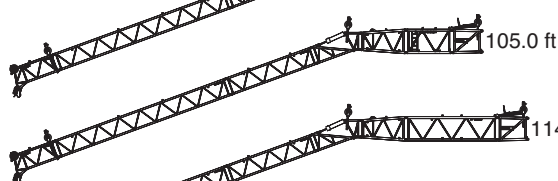
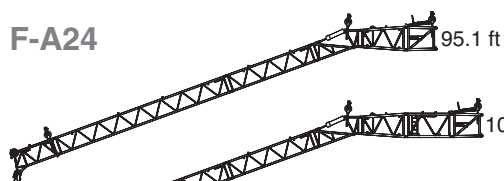
Transportation

Jib

F-A18



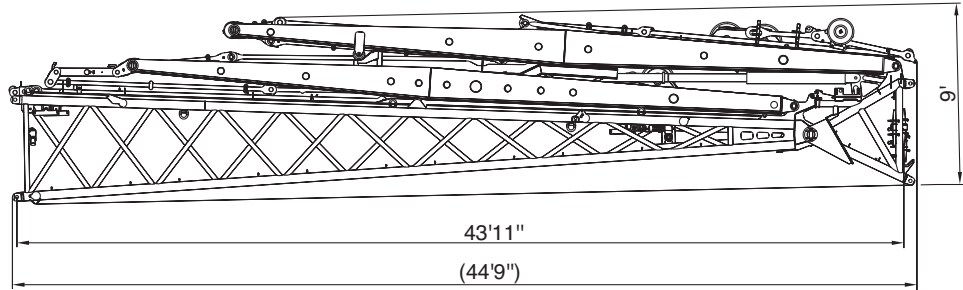
F-A24



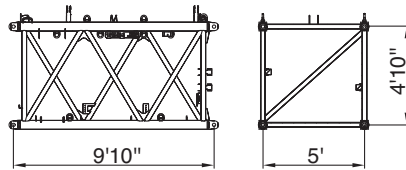
Transportation

Jib

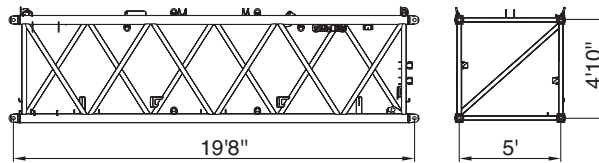
- 1  14,600
- 2



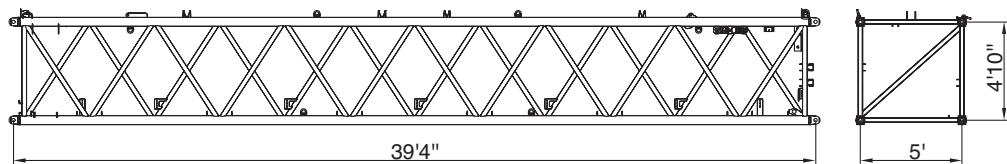
- 3  1,450



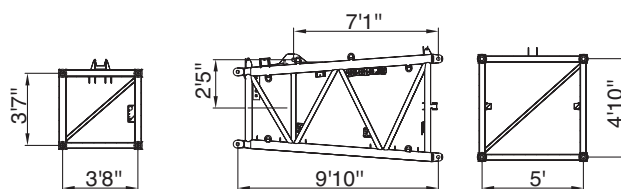
- 4  2,350



- 5  3,900



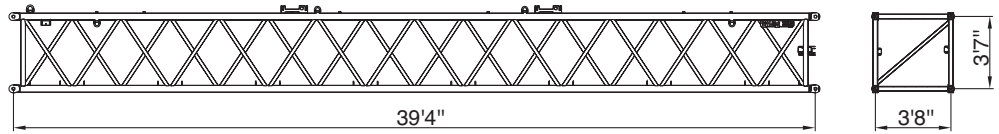
- 6  1,800



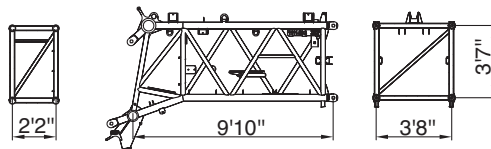
Transportation

Jib

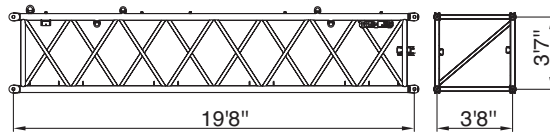
8  2,750



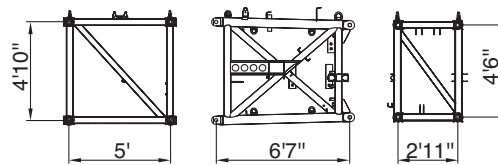
9  2,400



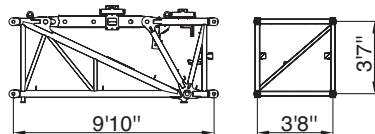
10  1,500



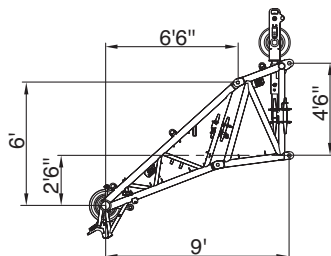
11  1,800



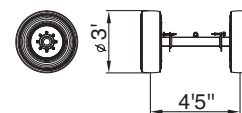
12  1,950
3,100 (HY)



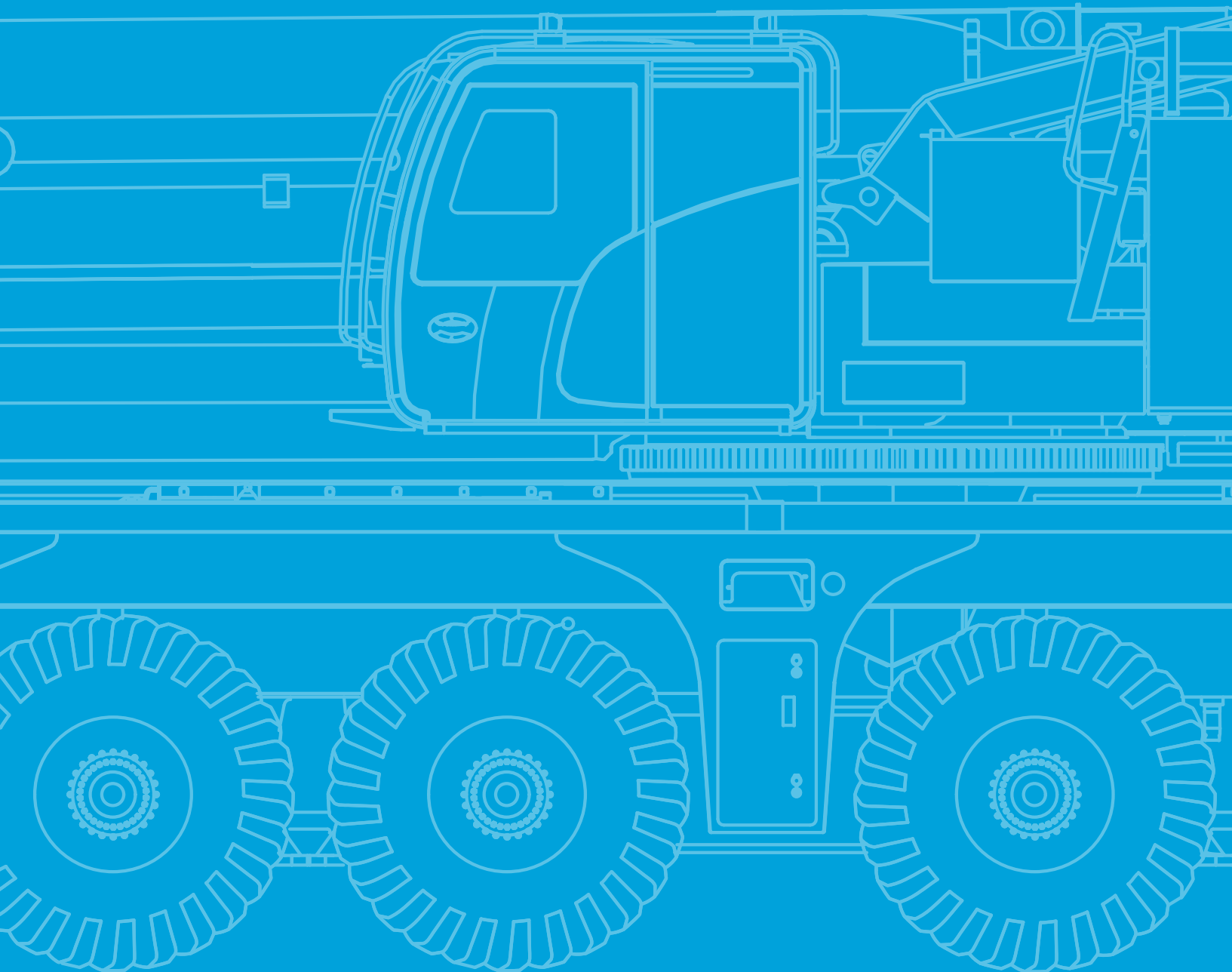
 1,050



 750










TECHNICAL DATA FOR OPERATION

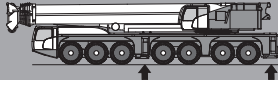











Operation

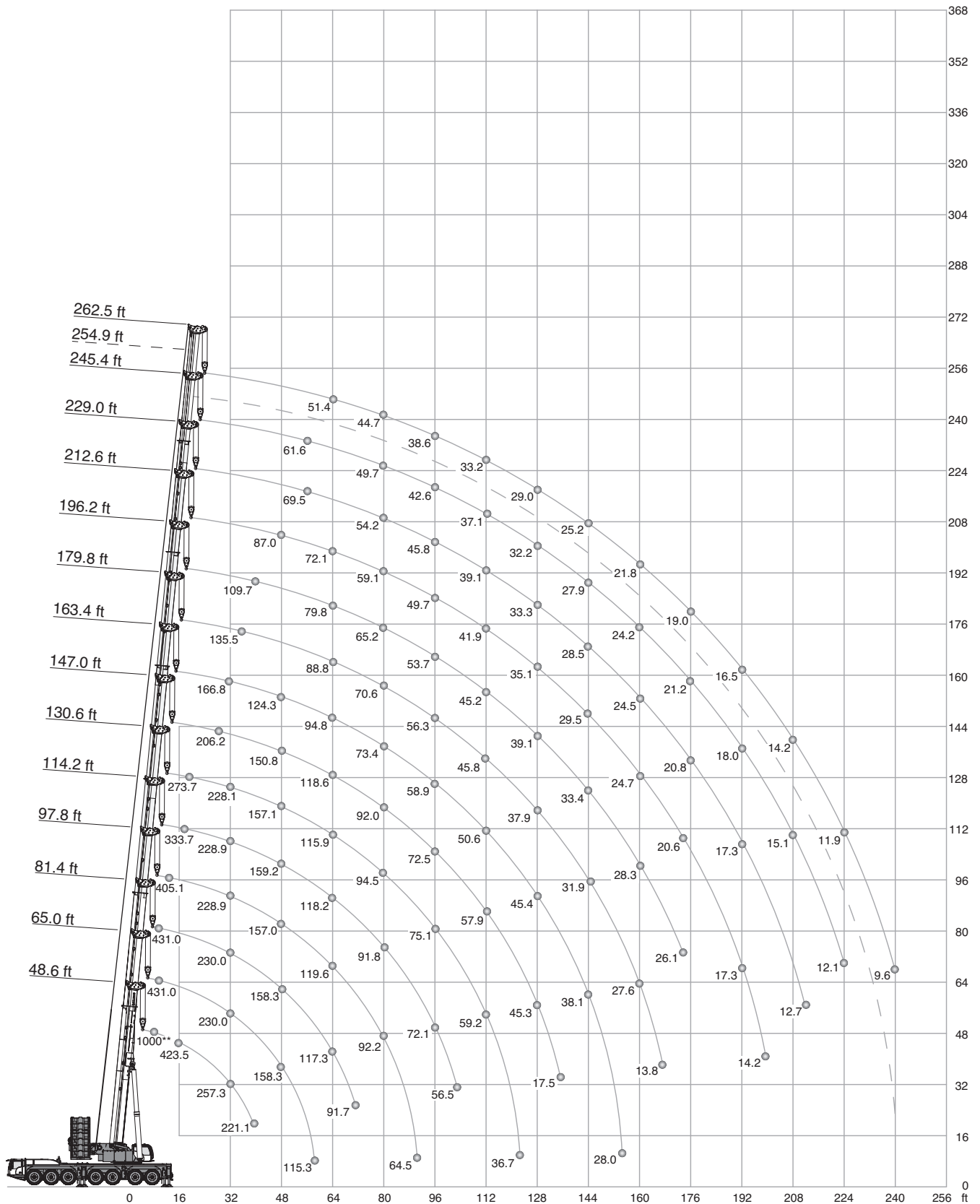
Main boom 			
	660 s (48.6 -262.5 ft)		60 s (0° - 84°)

Slewing	
	1,0 min ⁻¹

Hoist				
				
	426.5 ft/min	26,078 lbf	0.92"	1427 ft
	426.5 ft/min	26,078 lbf	0.92"	1854 ft

Outrigger cylinders		
		
 Max.	308,700 lb	324,100 lb
	23.6"	26"

Hook Blocks 					
					
26,500 lb	26,000	6	1	1,100	6.6 ft
88,200 lb	51,900	6	2	1,980	8.9 ft
88,200 lb	77,400	6	3	1,980	8.9 ft
176,400 lb	102,700	6	4	2,650	9.8 ft
176,400 lb	127,700	6	5	2,650	9.8 ft
176,400 lb	152,600	6	6	2,650	9.8 ft
176,400 lb	177,100	6	7	2,650	9.8 ft
275,600 lb	201,300	6	8	3,100	9.8 ft
275,600 lb	225,300	6	9	3,100	9.8 ft
275,600 lb	249,200	6	10	3,100	9.8 ft
275,600 lb	272,800	6	11	3,100	9.8 ft
352,800 lb	296,100	6	12	4,190	9.8 ft
352,800 lb	319,300	6 + 3	13	4,190	9.8 ft
352,800 lb	342,000	6 + 3	14	4,190	9.8 ft
441,000 lb	364,700	6 + 3	15	4,410	9.8 ft
441,000 lb	387,200	6 + 3	16	4,410	9.8 ft
441,000 lb	409,200	6 + 3	17	4,410	9.8 ft
441,000 lb	431,000	6 + 3	18	4,410	9.8 ft



** Max. crane capacity – with additional special equipment

Operation

HA

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	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	431.0 ²⁾	418.1 ²⁾	419.2 ²⁾	418.1 ²⁾	405.1 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	14
16	423.5	389.3	391.5	388.5	385.4	-	-	-	-	-	-	-	-	-	-	-	-	-	16
18	400.2	360.0	362.2	361.1	358.8	333.7	-	-	-	-	-	-	-	-	-	-	-	-	18
20	374.7	332.6	334.8	334.8	333.7	322.1	273.7	-	-	-	-	-	-	-	-	-	-	-	20
24	332.4	289.4	291.6	291.6	290.5	285.2	263.6	-	-	-	-	-	-	-	-	-	-	-	24
28	293.3	255.4	257.6	257.6	256.5	254.3	248.6	206.2	-	-	-	-	-	-	-	-	-	-	28
32	257.3	227.0	230.0	230.0	228.9	228.9	228.1	192.8	166.8	-	-	-	-	-	-	-	-	-	32
36	221.1	205.7	208.6	208.6	207.0	209.2	207.3	180.2	155.5	135.5	-	-	-	-	-	-	-	-	36
40	-	-	188.4	188.4	186.9	189.1	187.1	169.2	144.3	128.0	109.7	-	-	-	-	-	-	-	40
48	-	-	158.3	158.3	157.0	159.2	157.1	150.8	124.3	113.5	99.3	87.0	-	-	-	-	-	-	48
56	-	-	115.3	135.4	134.2	136.3	134.1	136.4	108.0	100.4	89.0	79.8	69.5	61.6	57.7	-	-	-	56
64	-	-	71.2	117.3	119.6	118.2	115.9	118.6	94.8	88.8	79.8	72.1	64.1	57.9	54.9	51.4	48.1	45.4	64
72	-	-	-	91.7	105.2	103.5	105.4	103.9	83.4	78.9	71.8	65.2	59.0	53.7	51.4	48.1	45.4	42.7	72
80	-	-	-	-	92.2	91.8	94.5	92.0	73.4	70.6	65.2	59.1	54.2	49.7	47.2	44.7	42.0	39.5	80
88	-	-	-	-	64.5	81.5	84.4	81.7	65.5	62.9	59.3	54.0	49.9	46.0	43.4	41.6	38.9	36.3	88
96	-	-	-	-	-	72.1	75.1	72.5	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	36.0	33.4	96
104	-	-	-	-	-	56.5	67.3	64.6	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	33.0	30.4	104
112	-	-	-	-	-	-	59.2	57.9	50.6	45.8	45.2	41.9	39.1	37.1	34.7	33.2	30.7	28.1	112
120	-	-	-	-	-	-	36.7	52.1	48.1	41.4	42.1	38.3	36.0	34.5	32.3	30.9	28.7	26.5	120
128	-	-	-	-	-	-	-	45.3	45.4	37.9	39.1	35.1	33.3	32.2	30.0	29.0	26.8	24.6	128
136	-	-	-	-	-	-	-	36.1	42.2	34.5	36.3	32.3	30.7	29.9	27.8	27.1	25.0	22.9	136
144	-	-	-	-	-	-	-	17.5	38.1	31.9	33.4	29.5	28.5	27.9	25.9	25.2	23.2	21.2	144
152	-	-	-	-	-	-	-	-	28.0	29.5	30.9	27.0	26.4	25.8	24.0	23.4	21.4	19.4	152
160	-	-	-	-	-	-	-	-	24.2	27.6	28.3	24.7	24.5	24.2	22.4	21.8	19.8	17.8	160
168	-	-	-	-	-	-	-	-	-	14.7	26.1	22.6	22.7	22.6	20.9	20.4	18.4	16.4	168
176	-	-	-	-	-	-	-	-	-	13.8	24.1	20.6	20.8	21.2	19.4	19.0	17.0	15.0	176
184	-	-	-	-	-	-	-	-	-	-	-	19.1	19.0	19.6	18.0	17.7	15.7	13.7	184
192	-	-	-	-	-	-	-	-	-	-	-	17.3	17.3	18.0	16.7	16.5	14.7	12.7	192
200	-	-	-	-	-	-	-	-	-	-	-	14.2	16.3	16.5	15.5	15.3	13.5	11.5	200
208	-	-	-	-	-	-	-	-	-	-	-	11.2	14.7	15.1	14.2	14.2	12.4	10.4	208
216	-	-	-	-	-	-	-	-	-	-	-	10.4	12.7	13.8	12.9	13.1	11.1	9.1	216
224	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	11.8	11.9	9.9	7.9	224
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.6	10.7	8.7	6.7	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	9.6	7.6	5.6	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)  308,700 lb

* over rear






** Max. crane capacity – with additional special equipment

Operation

HA

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	431.0	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	431.0	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	431.0	419.8 ³⁾	421.0 ³⁾	419.8 ³⁾	405.1 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	14
16	431.0	389.3 ³⁾	391.5 ³⁾	389.3 ³⁾	385.4 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	16
18	409.6	360.0 ³⁾	362.2 ³⁾	361.1 ³⁾	358.8 ³⁾	333.7 ³⁾	-	-	-	-	-	-	-	-	-	-	-	18
20	382.9	337.0 ⁴⁾	338.2 ⁴⁾	338.1 ⁴⁾	336.0 ⁴⁾	322.1 ⁴⁾	273.7 ⁴⁾	-	-	-	-	-	-	-	-	-	-	20
24	333.0	296.7 ⁵⁾	298.9 ⁵⁾	298.9 ⁵⁾	296.7 ⁵⁾	285.6 ⁵⁾	263.6 ⁵⁾	-	-	-	-	-	-	-	-	-	-	24
28	293.3	261.5 ⁵⁾	263.7 ⁵⁾	263.7 ⁵⁾	262.0 ⁵⁾	257.8 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	213.2 ⁶⁾	215.9 ⁶⁾	215.9 ⁶⁾	214.5 ⁶⁾	212.3 ⁶⁾	211.4 ⁶⁾	180.2 ⁶⁾	155.5 ⁶⁾	135.5 ⁶⁾	-	-	-	-	-	-	-	36
40	-	-	197.4	197.4	196.1	196.1	193.7	169.2	144.3	128.0	109.7	-	-	-	-	-	-	40
48	-	-	166.0	166.2	164.7	167.1	164.0	150.8	124.3	113.5	99.3	87.0	-	-	-	-	-	48
56	-	-	115.3	142.3	140.7	143.1	140.9	136.6	108.0	100.4	89.0	79.8	69.5	61.6	57.7	-	-	56
64	-	-	71.2	121.2	122.0	124.2	122.0	124.0	94.8	88.8	79.8	72.1	64.1	57.9	54.9	51.4	-	64
72	-	-	-	91.7	108.3	109.0	106.6	109.5	83.4	78.9	71.8	65.2	59.0	53.7	51.4	48.1	-	72
80	-	-	-	-	93.3	96.8	96.7	97.1	73.4	70.6	65.2	59.1	54.2	49.7	47.2	44.7	-	80
88	-	-	-	-	64.5	85.1	88.7	86.7	65.5	62.9	59.3	54.0	49.9	46.0	43.4	41.6	-	88
96	-	-	-	-	-	72.1	80.1	77.3	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	-	96
104	-	-	-	-	-	56.5	70.3	69.1	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	-	104
112	-	-	-	-	-	-	59.2	62.0	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 lb
- 3)  242,500 lb
- 4)  264,600 lb
- 5)  286,600 lb
- 6)  308,700 lb


* over rear


Operation

HA

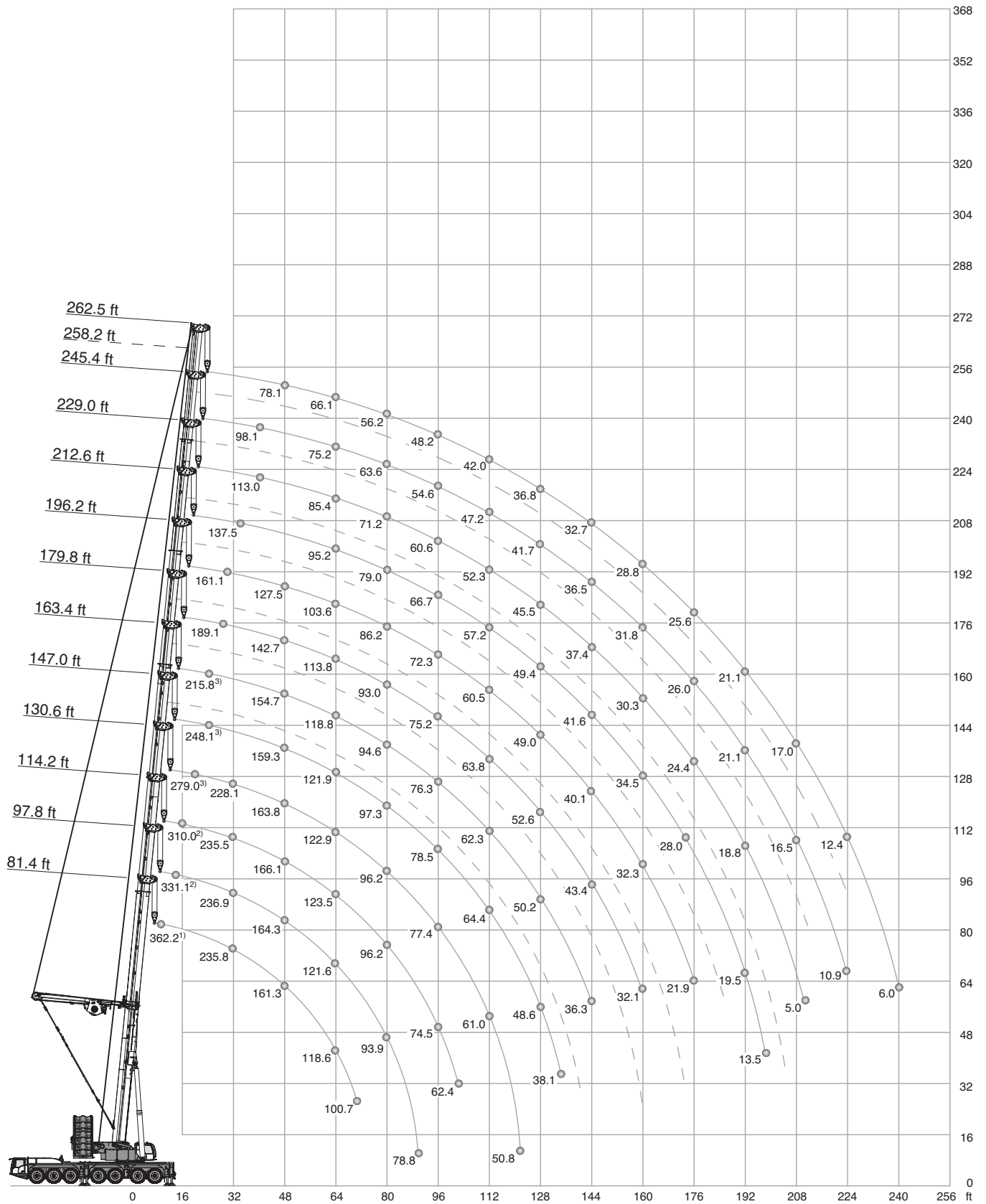
 264,600 lb		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5													
 0°																					
48.6*		(ft)																			
ft		1,000 lb																		ft	
10	431.0	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	431.0	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	431.0	419.8 ³⁾	421.0 ³⁾	419.8 ³⁾	405.1 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
16	431.0	389.3 ³⁾	391.5 ³⁾	389.3 ³⁾	385.4 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
18	409.6	360.0 ³⁾	362.2 ³⁾	361.1 ³⁾	358.8 ³⁾	333.7 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
20	382.9	337.0	338.2	338.1	336.0	322.1	273.7	-	-	-	-	-	-	-	-	-	-	-	-	-	20
24	333.9	293.4	295.6	294.9	293.8	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	232.5	232.5	231.4	229.2	228.9	192.8	166.8	-	-	-	-	-	-	-	-	-	-	-	32
36	221.1	208.4	211.0	211.0	209.7	211.1	209.6	180.2	155.5	135.5	-	-	-	-	-	-	-	-	-	-	36
40	-	-	190.6	190.6	189.3	191.7	189.3	169.2	144.3	128.0	109.7	-	-	-	-	-	-	-	-	-	40
48	-	-	160.4	160.4	158.8	161.0	159.0	150.8	124.3	113.5	99.3	87.0	-	-	-	-	-	-	-	-	48
56	-	-	115.3	135.6	134.2	136.7	134.2	136.3	108.0	100.4	89.0	79.8	69.5	61.6	57.7	-	-	-	-	-	56
64	-	-	71.2	114.6	117.5	115.7	115.9	116.1	94.8	88.8	79.8	72.1	64.1	57.9	54.9	51.4	-	-	-	-	64
72	-	-	-	91.7	100.9	99.1	102.2	99.3	83.4	78.9	71.8	65.2	59.0	53.7	51.4	48.1	-	-	-	-	72
80	-	-	-	-	87.2	87.7	88.0	85.2	73.4	70.6	65.2	59.1	54.2	49.7	47.2	44.7	-	-	-	-	80
88	-	-	-	-	64.5	78.6	76.6	73.7	65.5	62.9	59.3	54.0	49.9	46.0	43.4	41.6	-	-	-	-	88
96	-	-	-	-	-	69.3	67.2	64.3	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	-	-	-	-	96
104	-	-	-	-	-	56.1	59.5	56.7	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	-	-	-	-	104
112	-	-	-	-	-	-	53.0	50.2	50.5	45.8	45.2	41.9	39.1	37.1	34.7	33.2	-	-	-	-	112
120	-	-	-	-	-	-	36.7	44.9	47.1	41.4	42.1	38.3	36.0	34.5	32.3	30.9	-	-	-	-	120
128	-	-	-	-	-	-	-	41.5	42.3	37.1	39.1	35.1	33.3	32.2	30.0	29.0	-	-	-	-	128
136	-	-	-	-	-	-	-	36.1	38.3	34.3	36.2	32.3	30.7	29.9	27.8	27.1	-	-	-	-	136
144	-	-	-	-	-	-	-	17.5	34.6	31.0	32.6	29.5	28.5	27.9	25.9	25.2	-	-	-	-	144
152	-	-	-	-	-	-	-	-	28.0	28.5	29.1	26.7	26.4	25.8	24.0	23.4	-	-	-	-	152
160	-	-	-	-	-	-	-	-	24.2	27.6	26.3	23.8	24.5	24.2	22.4	21.8	-	-	-	-	160
168	-	-	-	-	-	-	-	-	-	14.7	23.6	21.8	22.4	22.6	20.9	20.4	-	-	-	-	168
176	-	-	-	-	-	-	-	-	-	13.8	21.5	20.3	20.0	21.2	19.4	19.0	-	-	-	-	176
184	-	-	-	-	-	-	-	-	-	-	-	-	18.9	18.4	19.1	18.0	17.7	-	-	-	184
192	-	-	-	-	-	-	-	-	-	-	-	-	17.2	17.2	17.0	16.6	16.4	-	-	-	192
200	-	-	-	-	-	-	-	-	-	-	-	-	14.2	16.3	15.3	14.8	15.0	-	-	-	200
208	-	-	-	-	-	-	-	-	-	-	-	-	11.2	14.7	13.6	13.2	13.4	-	-	-	208
216	-	-	-	-	-	-	-	-	-	-	-	-	10.4	12.7	12.0	11.6	11.8	-	-	-	216
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.7	10.2	10.4	-	-	-	224
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	9.1	-	-	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	7.9	-	-	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 lb

















3)  242,500 lb




* over rear



Operation






HA-SSL

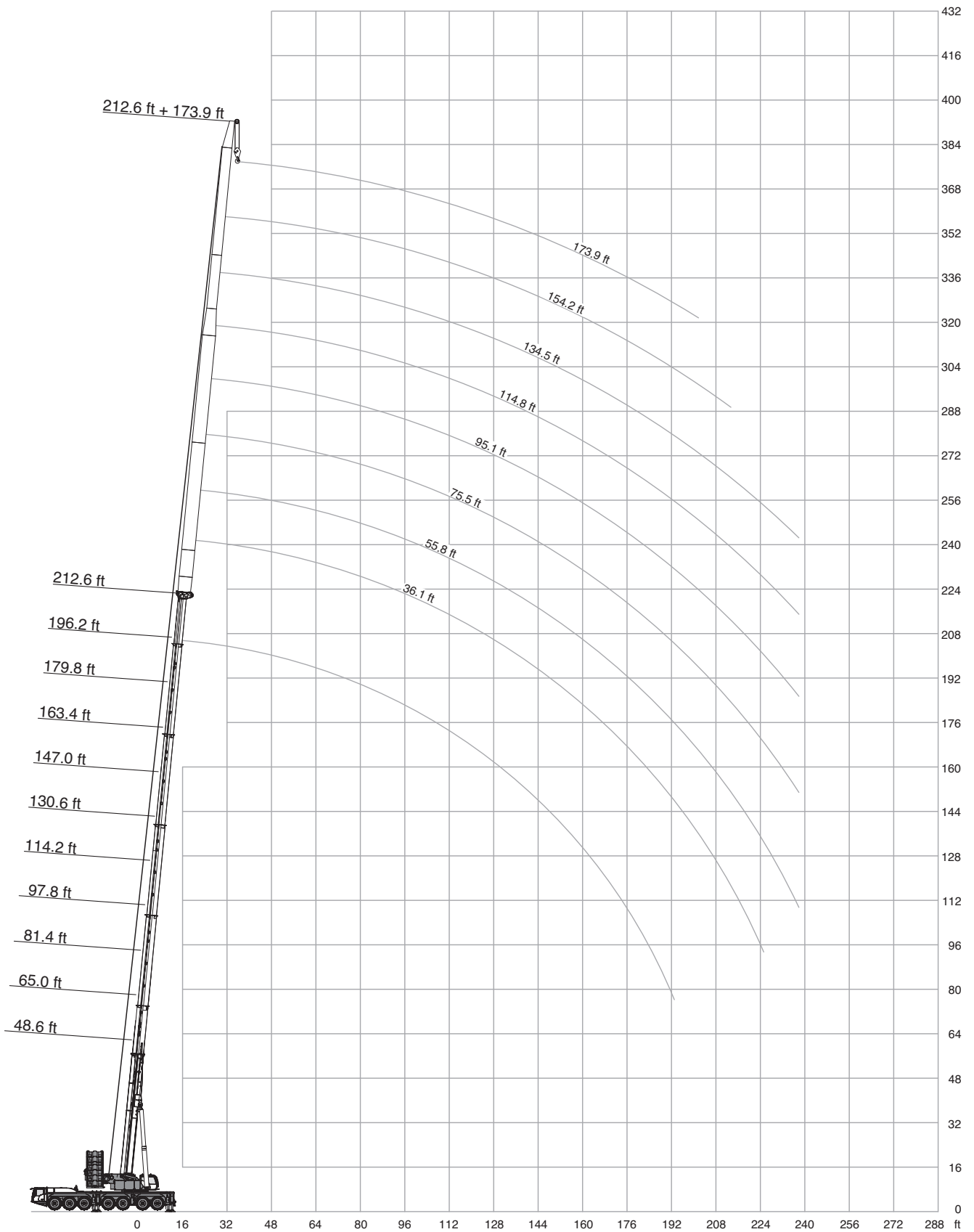
 330,700 lb		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5																													
 81.4		 97.8		 114.2		 130.6		 147.0		 152.6		 163.4		 171.6		 179.8		 186.0		 196.2		 204.4		 212.6		218.8		229.0		237.2		245.4		258.2		262.5	
ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		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 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	340.3 ²⁾	319.8 ²⁾	303.8 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
20	332.5 ³⁾	313.5 ³⁾	297.6 ³⁾	279.0 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
24	294.5 ³⁾	291.1 ³⁾	279.6 ³⁾	265.6 ³⁾	248.1 ³⁾	224.9 ³⁾	215.8 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
28	264.2	263.2	256.5	247.5	237.6	221.1	211.6	200.3	189.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
30	249.3	250.4	248.3	237.9	228.0	216.5	206.5	198.2	184.5	171.8	161.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
32	235.8	236.9	235.5	228.1	218.7	210.8	201.4	192.7	179.5	167.4	157.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
34	224.0	226.4	225.4	219.7	210.9	204.3	195.8	187.2	174.6	163.0	153.1	145.2	137.5	124.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
36	213.2	216.1	216.3	210.9	203.0	197.2	189.9	181.7	169.7	158.7	149.2	141.7	134.4	121.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
40	192.5	195.4	196.9	193.1	187.5	181.7	178.1	171.2	160.4	150.4	141.7	134.7	128.2	120.8	113.0	105.5	98.1	41.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	
48	161.3	164.3	166.1	163.8	159.3	157.1	154.7	151.2	142.7	134.5	127.5	121.6	116.1	109.9	103.0	96.3	89.7	81.4	78.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	
56	137.4	140.3	142.3	141.2	137.7	136.5	134.1	131.7	127.5	120.7	114.7	109.8	105.1	99.7	93.7	88.0	82.1	74.8	71.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	
64	118.6	121.6	123.5	122.9	121.9	118.8	118.8	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	106.6	108.3	108.3	107.0	106.9	104.8	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	-	93.9	96.2	96.2	97.3	94.9	94.6	93.8	93.0	89.5	86.2	82.5	79.0	75.3	71.2	67.5	63.6	58.4	56.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	
88	-	78.8	85.8	86.0	87.1	86.3	85.0	84.9	83.1	81.8	79.2	75.6	72.7	69.3	65.5	62.1	58.7	53.9	52.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	
96	-	56.1	74.5	77.4	78.5	78.5	76.3	77.0	75.2	74.6	72.3	69.9	66.7	63.8	60.6	57.5	54.6	49.9	48.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96	
104	-	-	62.4	69.7	71.0	71.2	68.8	69.6	69.5	67.2	66.8	64.4	62.0	59.0	55.9	53.2	50.7	46.5	44.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	
112	-	-	-	61.0	64.4	64.9	62.3	62.9	63.8	62.4	60.5	59.1	57.2	54.9	52.3	49.4	47.2	43.3	42.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	
120	-	-	-	50.8	56.8	58.0	56.2	56.9	58.0	57.8	54.4	54.9	52.9	51.0	48.8	46.5	44.3	40.4	39.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	
128	-	-	-	36.3	48.6	50.6	50.2	51.6	52.6	52.8	49.0	49.9	49.4	47.7	45.5	43.5	41.7	38.0	36.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128	
136	-	-	-	-	38.1	42.0	43.6	46.2	47.8	48.0	44.2	45.1	45.7	44.8	41.6	40.6	39.0	35.8	34.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136	
144	-	-	-	-	-	30.1	36.3	40.2	43.4	43.6	40.1	40.8	41.6	41.6	37.4	37.8	36.5	33.6	32.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	144	
152	-	-	-	-	-	-	-	33.2	38.0	39.4	36.3	37.2	37.9	37.9	33.7	34.1	34.3	31.5	30.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152	
160	-	-	-	-	-	-	-	22.9	32.1	34.2	32.3	33.8	34.5	34.7	30.3	30.7	31.8	29.6	28.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
168	-	-	-	-	-	-	-	-	-	27.9	27.3	30.0	31.2	31.7	27.3	27.7	28.8	27.7	27.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168
176	-	-	-	-	-	-	-	-	-	20.5	21.9	25.6	28.0	28.9	24.4	24.9	26.0	25.6	25.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176
184	-	-	-	-	-	-	-	-	-	-	-	19.9	24.0	25.7	21.7	22.5	23.5	23.3	23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	184
192	-	-	-	-	-	-	-	-	-	-	-	-	19.5	22.3	18.8	20.1	21.1	21.0	21.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	192
200	-	-	-	-	-	-	-	-	-	-	-	-	-	13.5	18.1	15.1	17.0	18.8	18.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.2	10.4	13.5	16.5	16.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	5.0	9.7	14.1	14.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	216
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	12.1	12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	224
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	232	
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240	

- 1)  264,600 lb
- 2)  286,600 lb
- 3)  308,700 lb

Operation







HA-SSL


 132,300 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	356.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	352.1	331.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
16	348.9	325.2	310.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
18	327.4	316.0	303.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
20	308.7	305.3	296.2	279.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
24	269.9	269.9	267.7	259.0	242.2	224.2	215.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
28	235.5	238.3	237.7	228.5	214.4	208.8	201.2	192.3	185.8	-	-	-	-	-	-	-	-	-	-	-	-	28
30	218.9	222.2	224.2	214.1	203.3	197.1	190.1	186.1	178.3	170.5	161.0	146.0	-	-	-	-	-	-	-	-	-	30
32	202.6	206.0	207.5	198.0	189.8	184.7	178.7	174.7	168.8	163.2	156.7	143.3	-	-	-	-	-	-	-	-	-	32
34	188.8	192.3	193.4	184.5	179.4	176.3	169.1	166.6	159.4	155.9	149.5	143.2	137.0	124.8	-	-	-	-	-	-	-	34
36	176.7	180.2	180.5	172.5	168.3	166.4	158.8	156.5	154.5	147.9	143.7	136.4	133.1	121.8	-	-	-	-	-	-	-	36
40	148.7	153.4	155.5	149.7	146.9	145.6	138.6	137.1	136.1	134.4	126.1	124.8	120.9	116.2	111.9	105.5	98.1	41.0	-	-	-	40
48	109.3	113.5	116.2	115.9	115.9	115.3	109.4	108.4	107.9	106.7	99.7	98.9	98.3	96.9	89.0	88.4	87.3	80.8	78.1	-	-	48
56	82.7	87.0	89.5	89.5	91.0	91.4	87.3	87.4	87.7	86.8	80.4	80.1	80.0	78.9	71.7	71.3	71.4	69.5	68.9	-	-	56
64	64.3	68.2	70.6	70.4	71.9	72.4	69.3	70.2	71.1	71.1	65.9	65.9	66.1	65.2	58.4	58.4	58.6	57.0	57.0	-	-	64
72	51.0	54.7	56.9	56.9	58.3	58.7	55.6	56.5	57.6	57.8	53.8	54.7	55.1	54.5	47.8	48.1	48.5	47.2	47.2	-	-	72
80	-	45.0	47.2	47.0	48.3	48.6	45.6	46.5	47.6	47.9	43.8	44.7	45.6	45.9	39.6	40.1	40.6	39.5	39.5	-	-	80
88	-	37.0	39.3	39.0	40.4	40.8	37.7	38.6	39.7	39.9	35.7	36.6	37.5	37.9	32.4	33.0	33.8	32.9	32.9	-	-	88
96	-	30.6	32.9	32.4	33.8	34.2	31.0	31.9	33.0	33.2	29.0	29.9	30.8	31.2	25.8	26.5	27.6	26.7	26.8	-	-	96
104	-	-	27.5	27.1	28.4	28.7	25.5	26.4	27.5	27.7	23.6	24.4	25.3	25.6	20.3	21.1	22.2	21.5	21.8	-	-	104
112	-	-	-	22.5	23.8	24.2	21.2	21.8	22.9	23.1	19.0	19.8	20.7	21.0	15.9	16.5	17.6	17.4	17.4	-	-	112
120	-	-	-	18.9	20.1	20.4	17.3	18.1	19.2	19.3	15.3	16.2	16.9	17.3	12.2	12.8	13.9	13.7	13.8	-	-	120
128	-	-	-	15.9	16.8	17.3	14.2	14.9	15.9	16.1	12.0	12.9	13.7	14.0	8.9	9.6	10.7	10.5	10.7	-	-	128
136	-	-	-	-	14.2	14.5	11.4	12.1	13.1	13.2	9.2	10.1	10.7	11.0	6.1	6.8	7.9	7.7	7.9	-	-	136
144	-	-	-	-	-	12.2	9.1	9.8	10.7	10.7	6.7	7.6	8.3	8.5	-	-	5.4	5.2	5.4	-	-	144
152	-	-	-	-	-	-	-	7.7	8.6	8.6	-	-	6.1	6.4	-	-	-	-	-	-	-	152
160	-	-	-	-	-	-	-	6.0	6.8	6.8	-	-	-	-	-	-	-	-	-	-	-	160



Operation

LF

 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	
1,000 lb									
ft									ft
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	154,300 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb
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Operation







LF











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
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

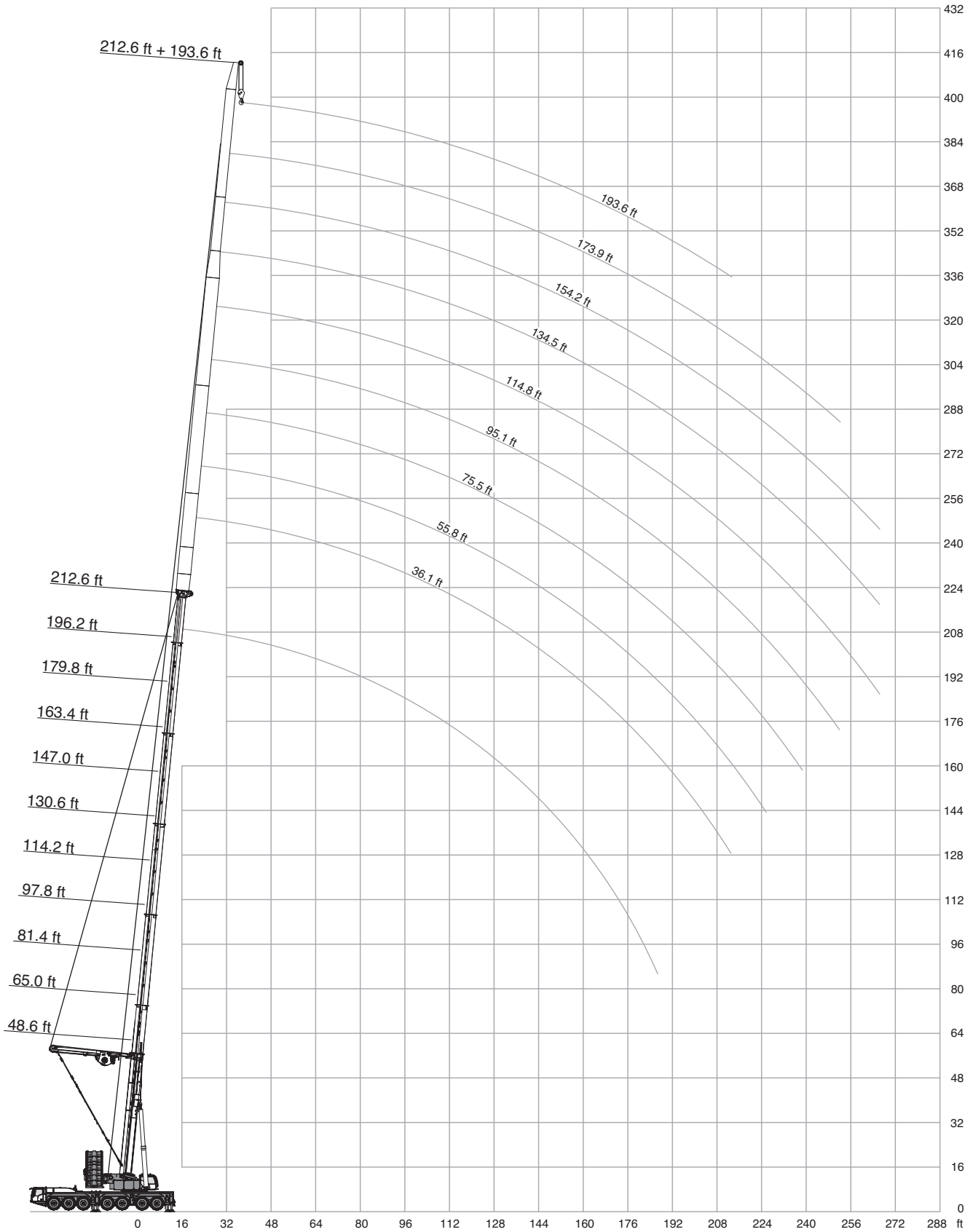
88,200 lb 110,200 lb 132,300 lb 154,300 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb

Operation

LF







 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
  154,300 lb
  176,400 lb
  198,400 lb
  220,500 lb
  242,500 lb
  264,600 lb
  286,600 lb



Operation

LF-SSL

 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	
1,000 lb									
ft									ft
34	126.3	-	-	-	-	-	-	-	34
36	124.0	-	-	-	-	-	-	-	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	80
88	65.9	58.6	46.5	37.9	31.7	27.1	23.3	19.2	88
96	59.8	54.1	43.9	35.5	29.7	25.3	21.7	17.8	96
104	54.4	49.7	41.5	33.5	27.8	23.6	20.0	16.5	104
112	49.8	45.9	39.1	31.4	26.4	22.2	18.7	15.4	112
120	46.1	42.4	36.8	29.6	24.8	20.9	17.6	14.3	120
128	42.8	39.1	34.6	28.0	23.3	19.7	16.5	13.2	128
136	38.7	36.3	32.6	26.4	21.9	18.5	15.5	12.3	136
144	34.4	33.6	30.7	25.0	20.8	17.5	14.6	11.5	144
152	30.6	31.2	28.8	23.9	19.7	16.4	13.6	10.7	152
160	27.2	28.3	27.0	22.8	18.6	15.5	12.8	10.1	160
168	24.1	25.3	25.2	21.8	17.7	14.7	11.9	9.4	168
176	21.2	22.5	23.4	20.9	16.9	14.0	11.1	8.9	176
184	17.2	20.0	21.1	19.8	16.2	13.3	10.6	8.4	184
192	12.7	17.4	18.7	18.6	15.5	12.6	10.0	7.8	192
200	7.2	14.2	16.6	17.2	14.8	12.0	9.3	7.3	200
208	-	10.5	14.3	15.5	14.2	11.4	8.8	6.7	208
216	-	6.4	11.8	13.6	13.5	10.8	8.4	6.2	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
  154,300 lb
  176,400 lb
  198,400 lb
  220,500 lb
  242,500 lb
  264,600 lb
  286,600 lb
  308,700 lb
  330,700 lb

Operation







LF-SSL











212.6 ft		19.7 ft (XL)		27.0 ft x 27.7 ft		360°		ASME B30.5		
ft	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										
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

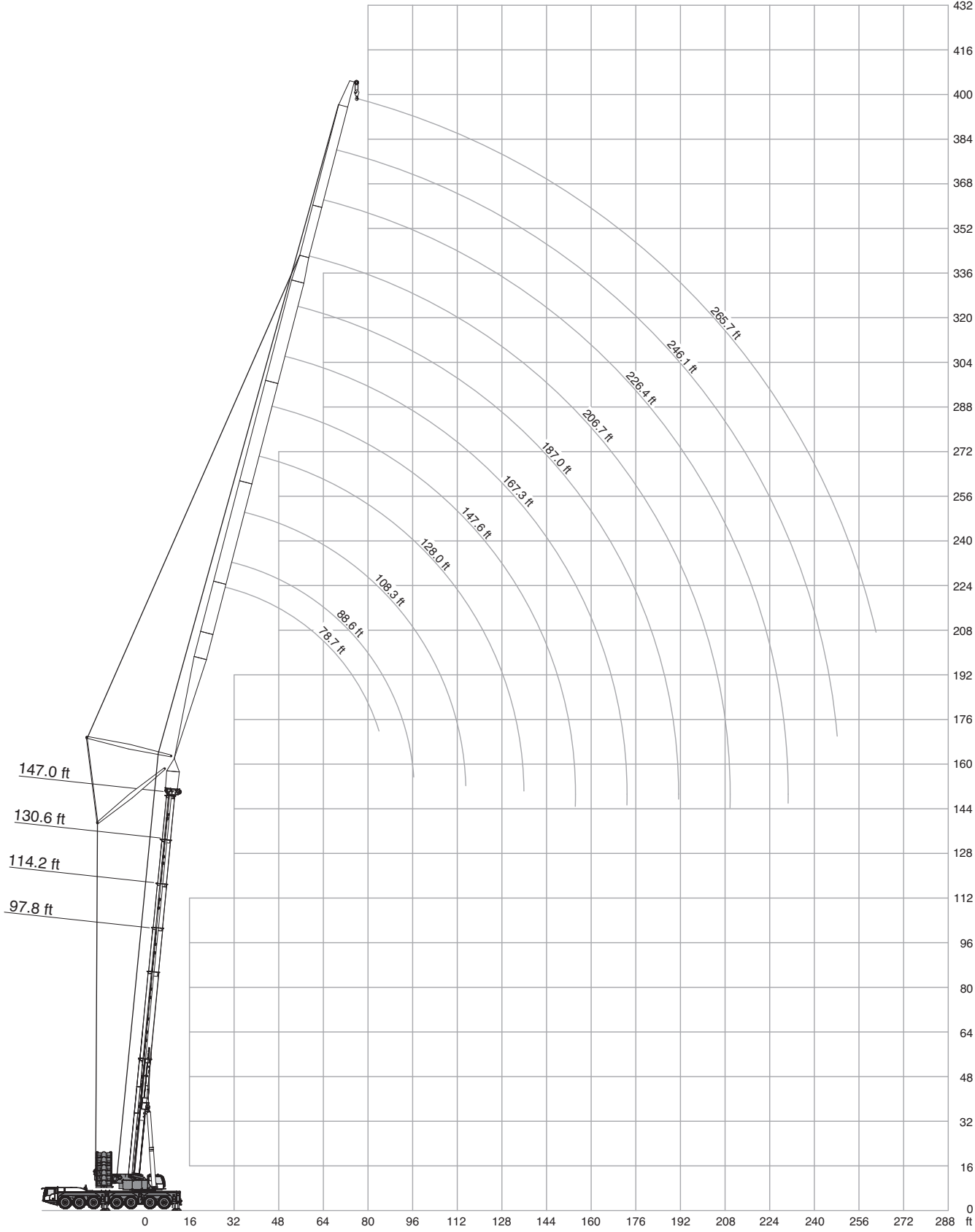
132,300 lb 154,300 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,700 lb 330,700 lb

Operation

LF-SSL

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



Operation

19.7 ft (XL) 360° ASME B30.5													
97.8 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	103.0	-	-	97.3	-	-	78.4	-	-	63.4	-	-	80
88	-	91.5	-	90.1	-	-	78.0	-	-	62.6	-	-	88
96	-	84.0	-	78.3	83.5	-	76.0	-	-	62.0	-	-	96
104	-	77.5	-	-	77.0	-	72.2	69.1	-	61.7	57.2	-	104
112	-	-	66.5	-	-	-	65.0	68.2	-	60.7	56.4	-	112
120	-	-	-	-	-	61.4	-	65.7	-	57.9	55.4	-	120
128	-	-	-	-	-	-	-	61.5	56.4	53.7	55.0	-	128
136	-	-	-	-	-	-	-	-	52.4	-	54.9	50.5	136
144	-	-	-	-	-	-	-	-	49.1	-	52.8	48.0	144
152	-	-	-	-	-	-	-	-	-	-	-	44.8	152
160	-	-	-	-	-	-	-	-	-	-	-	42.2	160

ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	41.1	43.7	40.9	37.3	35.1	-	32.2	29.7	-	25.8	23.1	-	152
160	-	43.7	40.3	36.2	34.8	33.1	31.8	29.5	-	25.7	22.6	-	160
168	-	42.9	38.7	34.3	34.8	32.7	31.3	29.1	28.0	25.4	22.4	-	168
176	-	-	36.5	-	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	-	-	-	-	-	31.6	-	29.1	26.9	23.6	21.8	20.7	192
200	-	-	-	-	-	30.0	-	29.1	26.9	22.5	21.8	20.4	200
208	-	-	-	-	-	-	-	29.1	26.9	21.3	21.8	20.3	208
216	-	-	-	-	-	-	-	-	26.1	-	21.8	20.3	216
224	-	-	-	-	-	-	-	-	-	-	21.8	20.3	224
232	-	-	-	-	-	-	-	-	-	-	-	20.3	232
240	-	-	-	-	-	-	-	-	-	-	-	20.3	240

132,300 lb
 154,300 lb
 176,400 lb
 198,400 lb
 220,500 lb
 242,500 lb
 264,600 lb
 286,600 lb
 308,700 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	12.1	11.5	10.8	232
240		-	18.1	17.0	13.1	13.7	13.0	11.9	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	154,300 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb	308,700 lb	330,700 lb
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Operation

19.7 ft (XL) 360° ASME B30.5													
114.2 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	96.2	-	-	87.7	-	-	69.8	-	-	56.9	-	-	88
96	-	82.1	-	84.7	-	-	69.5	-	-	56.4	-	-	96
104	-	75.9	-	-	75.1	-	69.3	-	-	56.2	-	-	104
112	-	-	-	-	69.8	-	67.8	62.6	-	56.0	50.9	-	112
120	-	-	-	-	-	-	-	61.9	-	55.7	50.1	-	120
128	-	-	-	-	-	54.9	-	60.1	-	54.7	49.6	-	128
136	-	-	-	-	-	51.3	-	56.0	-	51.1	49.2	-	136
144	-	-	-	-	-	-	-	-	47.1	-	49.2	45.9	144
152	-	-	-	-	-	-	-	-	44.2	-	48.3	43.1	152
160	-	-	-	-	-	-	-	-	-	-	-	40.5	160
168	-	-	-	-	-	-	-	-	-	-	-	38.0	168
176	-	-	-	-	-	-	-	-	-	-	-	36.0	176

147.6 ft 167.3 ft 187.0 ft 206.7 ft													
ft	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	ft
	1,000 lb												
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	41.6	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	36.6	32.9	32.0	30.4	29.1	26.8	-	23.5	20.8	-	168
176	-	39.4	34.9	31.1	32.0	30.0	28.3	26.7	-	23.2	20.5	-	176
184	-	-	32.8	-	32.0	29.8	27.1	26.5	23.8	22.7	20.3	-	184
192	-	-	31.2	-	32.0	29.4	25.9	26.5	23.5	22.1	20.1	19.1	192
200	-	-	-	-	-	28.5	-	26.5	23.4	21.3	20.1	19.0	200
208	-	-	-	-	-	27.0	-	26.5	23.4	20.2	20.1	18.8	208
216	-	-	-	-	-	-	-	26.5	23.4	-	20.1	18.6	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
 154,300 lb
 176,400 lb
 198,400 lb
 220,500 lb
 242,500 lb
 264,600 lb
 286,600 lb
 308,700 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	15.6	16.8	15.5	12.9	12.8	11.9	11.4	10.4	9.9	232					
240	-	16.8	15.4	12.7	12.8	11.9	11.3	10.4	9.7	240					
248	-	16.8	15.4	12.2	12.7	11.8	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					
312	-	-	-	-	-	-	-	-	9.3	312					

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

19.7 ft (XL) 360° ASME B30.5													
130.6 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	81.4	-	-	72.5	-	-	59.7	-	-	48.5	-	-	88
96	-	-	-	71.8	-	-	59.0	-	-	47.8	-	-	96
104	-	72.9	-	71.3	-	-	58.5	-	-	47.2	-	-	104
112	-	-	-	-	66.2	-	58.0	-	-	46.9	-	-	112
120	-	-	-	-	63.3	-	-	55.0	-	46.5	44.6	-	120
128	-	-	-	-	-	-	-	54.5	-	46.2	44.2	-	128
136	-	-	-	-	-	49.6	-	53.8	-	45.9	43.8	-	136
144	-	-	-	-	-	46.4	-	51.3	-	-	43.7	-	144
152	-	-	-	-	-	-	-	-	42.6	-	43.4	-	152
160	-	-	-	-	-	-	-	-	40.1	-	43.1	38.9	160
168	-	-	-	-	-	-	-	-	-	-	-	36.6	168
176	-	-	-	-	-	-	-	-	-	-	-	34.5	176

147.6 ft 167.3 ft 187.0 ft 206.7 ft													
ft	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	ft
	1,000 lb												
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	37.4	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	28.9	28.4	-	25.1	22.5	-	19.0	18.3	-	176
184	-	-	31.5	-	28.4	26.7	24.7	22.3	-	18.7	18.1	-	184
192	-	-	29.9	-	28.4	26.5	24.0	22.3	20.9	18.7	17.9	-	192
200	-	-	28.2	-	28.4	26.3	-	22.3	20.8	18.3	17.9	-	200
208	-	-	-	-	-	25.6	-	22.3	20.7	17.8	17.7	16.6	208
216	-	-	-	-	-	24.3	-	22.3	20.7	16.8	17.6	16.5	216
224	-	-	-	-	-	-	-	-	20.7	-	17.6	16.5	224
232	-	-	-	-	-	-	-	-	20.5	-	17.6	16.5	232
240	-	-	-	-	-	-	-	-	19.9	-	17.6	16.5	240
248	-	-	-	-	-	-	-	-	-	-	-	16.5	248
256	-	-	-	-	-	-	-	-	-	-	-	16.5	256

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

		19.7 ft (XL)			360°			ASME B30.5			
		130.6 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		19.0	-	-	-	-	-	-	-	-	88
96		18.7	-	-	15.1	-	-	12.7	-	-	96
104		18.3	-	-	14.8	-	-	12.4	-	-	104
112		18.1	-	-	14.5	-	-	12.1	-	-	112
120		17.8	-	-	14.3	-	-	12.1	-	-	120
128		17.5	-	-	14.0	-	-	11.8	-	-	128
136		17.3	-	-	13.9	-	-	11.5	-	-	136
144		17.0	-	-	13.7	-	-	11.3	-	-	144
152		16.9	-	-	13.4	-	-	11.2	-	-	152
160		16.7	-	-	13.1	-	-	10.9	-	-	160
168		16.4	15.7	-	13.0	-	-	10.7	-	-	168
176		16.3	15.7	-	12.8	12.2	-	10.6	-	-	176
184		16.1	15.4	-	12.6	12.1	-	10.4	9.9	-	184
192		16.0	15.2	-	12.5	11.8	-	10.3	9.7	-	192
200		15.9	15.0	-	12.2	11.7	-	10.1	9.6	-	200
208		15.7	14.8	-	12.1	11.5	-	10.0	9.3	-	208
216		15.7	14.8	13.9	12.1	11.5	-	9.9	9.3	-	216
224		15.2	14.8	13.9	11.9	11.2	10.6	9.7	9.0	-	224
232		14.5	14.8	13.7	11.8	11.2	10.4	9.7	9.0	-	232
240		-	14.8	13.7	11.6	11.2	10.4	9.6	8.9	8.2	240
248		-	14.8	13.7	11.2	11.2	10.3	9.4	8.8	8.2	248
256		-	14.8	13.7	-	11.2	10.1	9.3	8.8	8.2	256
264		-	-	13.7	-	11.1	10.1	8.9	8.8	8.0	264
272		-	-	13.7	-	11.0	10.1	8.4	8.8	7.9	272
280		-	-	13.7	-	11.0	10.1	-	8.8	7.9	280
288		-	-	-	-	-	10.1	-	8.8	7.9	288
296		-	-	-	-	-	10.1	-	8.8	7.9	296
304		-	-	-	-	-	-	-	-	7.9	304
312		-	-	-	-	-	-	-	-	7.9	312
320		-	-	-	-	-	-	-	-	7.9	320

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

Operation

		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		56.5	-	-	57.1	-	-	49.9	-	-	41.7	-	-	88	
96		-	-	-	51.3	-	-	47.9	-	-	41.3	-	-	96	
104		-	-	-	46.6	-	-	44.9	-	-	40.9	-	-	104	
112		-	46.6	-	-	44.2	-	41.0	-	-	39.4	-	-	112	
120		-	-	-	-	42.5	-	37.4	-	-	37.6	-	-	120	
128		-	-	-	-	40.3	-	-	38.1	-	34.8	35.3	-	128	
136		-	-	-	-	-	-	-	36.1	-	31.4	33.5	-	136	
144		-	-	-	-	-	30.1	-	34.3	-	28.5	31.8	-	144	
152		-	-	-	-	-	-	-	-	-	-	30.2	-	152	
160		-	-	-	-	-	-	-	-	23.2	-	29.0	-	160	
168		-	-	-	-	-	-	-	-	22.0	-	27.7	20.2	168	
176		-	-	-	-	-	-	-	-	-	-	-	19.1	176	
184		-	-	-	-	-	-	-	-	-	-	-	18.3	184	

		147.6 ft			167.3 ft			187.0 ft			206.7 ft				
1,000 lb															
		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	-	-	15.8	-	-	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		24.2	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		-	23.6	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	14.5	16.1	-	14.9	14.2	-	200	
208		-	-	14.5	-	16.9	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		-	-	-	-	-	11.4	-	14.3	10.3	-	12.5	9.0	224	
232		-	-	-	-	-	-	-	-	9.8	-	12.0	8.4	232	
240		-	-	-	-	-	-	-	-	9.2	-	11.6	7.9	240	
248		-	-	-	-	-	-	-	-	8.9	-	11.1	7.4	248	
256		-	-	-	-	-	-	-	-	-	-	-	7.1	256	
264		-	-	-	-	-	-	-	-	-	-	-	6.6	264	

132,300 lb
 154,300 lb
 176,400 lb
 198,400 lb
 220,500 lb
 242,500 lb
 264,600 lb
 286,600 lb
 308,700 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	7.3	7.7	4.6	7.5	6.6	-	256
264		-	-	5.9	-	7.3	-	7.0	6.2	-	264
272		-	-	5.6	-	7.0	-	6.1	5.9	-	272
280		-	-	5.2	-	6.7	-	-	5.7	-	280
288		-	-	4.9	-	6.6	-	-	5.3	-	288
296		-	-	-	-	-	-	-	5.1	-	296
304		-	-	-	-	-	-	-	4.9	-	304

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

Operation

19.7 ft (XL) 360° ASME B30.5													
163.4 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
64	58.3	-	-	-	-	-	-	-	-	-	-	-	64
72	57.6	-	-	50.9	-	-	-	-	-	34.6	-	-	72
80	56.9	-	-	50.4	-	-	42.1	-	-	34.6	-	-	80
88	55.8	-	-	49.8	-	-	41.7	-	-	34.5	-	-	88
96	54.3	-	-	49.0	-	-	41.3	-	-	34.3	-	-	96
104	-	-	-	47.6	-	-	40.9	-	-	34.0	-	-	104
112	-	-	-	-	-	-	40.5	-	-	33.7	-	-	112
120	-	36.4	-	-	-	-	39.9	-	-	33.4	-	-	120
128	-	-	-	-	32.9	-	-	-	-	33.2	-	-	128
136	-	-	-	-	-	-	-	29.0	-	32.7	24.1	-	136
144	-	-	-	-	-	-	-	27.6	-	32.4	22.8	-	144
152	-	-	-	-	-	-	-	-	-	-	21.7	-	152
160	-	-	-	-	-	-	-	-	-	-	20.6	-	160
168	-	-	-	-	-	-	-	-	16.7	-	19.5	-	168
176	-	-	-	-	-	-	-	-	16.0	-	-	14.3	176
184	-	-	-	-	-	-	-	-	-	-	-	13.4	184
192	-	-	-	-	-	-	-	-	-	-	-	12.7	192

ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	26.5	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	-	15.0	11.5	-	12.3	9.9	-	200
208	-	-	10.1	-	12.3	-	-	10.9	-	12.3	9.4	-	208
216	-	-	9.5	-	-	-	-	10.4	-	12.3	8.9	-	216
224	-	-	-	-	-	-	-	9.9	-	-	8.3	-	224
232	-	-	-	-	-	-	-	-	-	-	7.9	-	232
240	-	-	-	-	-	-	-	-	-	-	7.6	-	240
248	-	-	-	-	-	-	-	-	-	-	7.1	-	248

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

Operation

		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	7.2	-	-	7.5	5.2	-	232	
240	10.8	6.8	-	-	7.5	4.8	-	240	
248	-	6.4	-	-	7.5	4.5	-	248	
256	-	5.9	-	-	7.5	-	-	256	
264	-	5.7	-	-	-	-	-	264	

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

19.7 ft (XL) 360° ASME B30.5													
179.8 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	41.9	-	-	38.8	-	-	31.3	-	-	23.6	-	-	96
104	-	-	-	37.6	-	-	31.3	-	-	23.6	-	-	104
112	-	-	-	-	-	-	31.3	-	-	23.6	-	-	112
120	-	-	-	-	-	-	31.1	-	-	23.6	-	-	120
128	-	-	-	-	22.3	-	30.2	-	-	23.6	-	-	128
136	-	-	-	-	21.9	-	-	-	-	23.3	-	-	136
144	-	-	-	-	-	-	-	18.7	-	22.5	-	-	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
200	-	-	-	-	-	-	-	-	-	-	-	8.2	200

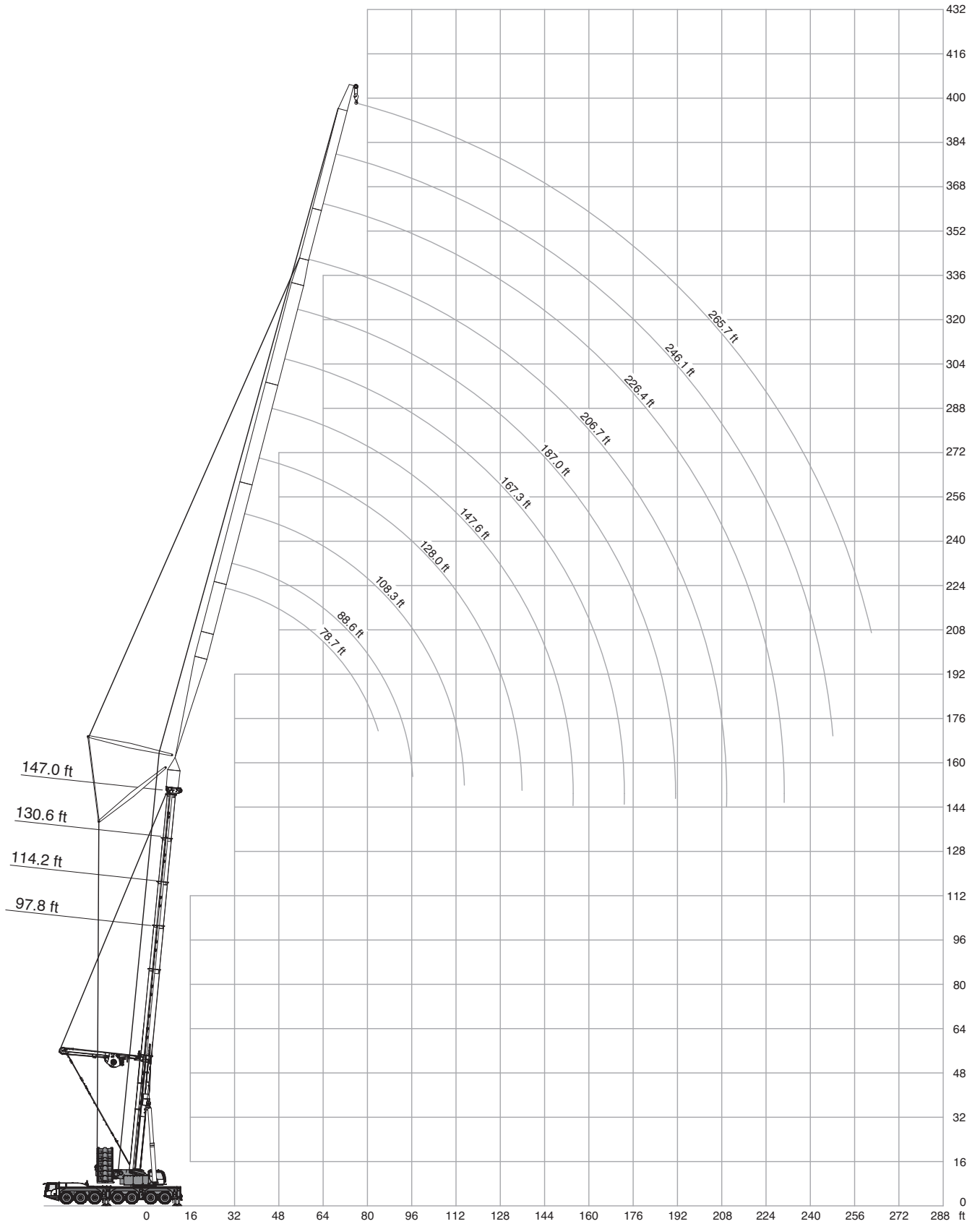
ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
80	17.4	-	-	-	-	-	-	-	-	-	-	-	80
88	17.4	-	-	11.7	-	-	7.9	-	-	-	-	-	88
96	17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	96
104	17.4	-	-	11.7	-	-	7.9	-	-	9.0	-	-	104
112	17.4	-	-	11.7	-	-	7.9	-	-	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	17.4	13.6	-	11.7	-	-	7.9	-	-	9.0	-	-	160
168	17.4	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	-	11.7	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	-	7.9	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	-	8.8	-	-	224
232	-	-	-	-	-	-	-	5.7	-	-	-	-	232

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

Operation

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	
240	6.2	-	-	240	

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

19.7 ft (XL) 360° ASME B30.5													
97.8 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	-	-	100.7	-	-	86.8	-	-	70.6	-	-	80
88	-	86.3	-	89.6	84.9	-	85.2	-	-	69.5	-	-	88
96	-	79.2	-	76.4	78.6	-	80.1	-	-	68.4	-	-	96
104	-	73.2	-	-	72.6	-	71.6	71.4	-	67.4	60.5	-	104
112	-	-	61.0	-	-	60.2	63.9	66.3	-	64.5	59.5	-	112
120	-	-	-	-	-	56.1	-	61.8	-	58.6	58.7	-	120
128	-	-	-	-	-	-	-	57.7	51.5	52.9	56.6	50.2	128
136	-	-	-	-	-	-	-	-	48.3	-	53.1	47.0	136
144	-	-	-	-	-	-	-	-	45.3	-	49.7	44.0	144
152	-	-	-	-	-	-	-	-	-	-	-	41.6	152
160	-	-	-	-	-	-	-	-	-	-	-	39.1	160

ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	48.3	46.6	-	41.6	37.9	-	35.8	32.3	-	28.9	26.8	-	136
144	44.5	46.3	42.9	40.6	37.5	-	35.5	31.8	-	28.7	26.3	-	144
152	40.5	45.9	40.5	39.2	37.0	35.2	35.2	31.5	-	28.4	25.7	-	152
160	-	43.3	38.0	37.0	37.0	34.7	34.4	31.0	-	28.1	25.3	-	160
168	-	40.9	35.9	34.2	37.0	34.3	33.6	30.9	29.3	27.6	25.0	-	168
176	-	-	34.0	-	37.0	32.9	32.1	30.9	28.7	27.0	24.7	22.3	176
184	-	-	-	-	35.7	31.0	29.7	30.9	28.4	26.4	24.5	22.0	184
192	-	-	-	-	-	29.2	-	30.9	28.2	25.3	24.5	21.8	192
200	-	-	-	-	-	27.7	-	30.7	26.9	23.8	24.5	21.5	200
208	-	-	-	-	-	-	-	29.3	25.5	21.7	24.5	21.4	208
216	-	-	-	-	-	-	-	-	24.1	-	24.5	21.4	216
224	-	-	-	-	-	-	-	-	-	-	24.4	21.3	224
232	-	-	-	-	-	-	-	-	-	-	-	20.6	232
240	-	-	-	-	-	-	-	-	-	-	-	19.6	240

- 132,300 lb
- 154,300 lb
- 176,400 lb
- 198,400 lb
- 220,500 lb
- 242,500 lb
- 264,600 lb
- 286,600 lb
- 308,700 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	13.9	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	12.1	12.1	11.3	240
248	-	17.9	17.9	-	13.5	14.0	13.7	12.0	12.1	11.2	248
256	-	-	17.0	-	-	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
154,300 lb
176,400 lb
198,400 lb
220,500 lb
242,500 lb
264,600 lb
286,600 lb
308,700 lb
330,700 lb

Operation

WIHI-SSL

19.7 ft (XL) 360° ASME B30.5													
114.2 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	87.3	82.7	-	90.0	-	-	82.7	-	-	67.6	-	-	88
96	-	76.3	-	80.7	75.6	-	80.0	-	-	67.0	-	-	96
104	-	70.4	-	-	69.7	-	74.4	-	-	66.4	-	-	104
112	-	-	57.3	-	64.6	-	67.2	63.9	-	65.7	57.3	-	112
120	-	-	53.4	-	-	52.7	-	59.5	-	60.8	56.4	-	120
128	-	-	-	-	-	49.3	-	55.5	-	55.3	54.3	-	128
136	-	-	-	-	-	46.1	-	52.1	45.3	49.8	50.8	43.9	136
144	-	-	-	-	-	-	-	-	42.4	-	47.8	41.1	144
152	-	-	-	-	-	-	-	-	40.0	-	45.1	38.7	152
160	-	-	-	-	-	-	-	-	-	-	-	36.4	160
168	-	-	-	-	-	-	-	-	-	-	-	34.3	168
176	-	-	-	-	-	-	-	-	-	-	-	32.5	176

147.6 ft 167.3 ft 187.0 ft 206.7 ft													
ft	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	ft
	1,000 lb												
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	52.5	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	42.3	43.9	37.6	39.1	35.9	-	34.5	30.4	-	28.0	23.6	-	152
160	-	41.3	35.3	37.8	35.5	-	33.9	29.9	-	27.7	23.2	-	160
168	-	39.1	33.2	35.3	35.5	32.1	33.0	29.8	-	27.5	22.8	-	168
176	-	37.1	31.4	32.8	35.5	30.3	31.8	29.6	27.9	26.8	22.5	-	176
184	-	-	29.5	-	34.1	28.4	30.1	29.5	27.5	26.0	22.5	21.4	184
192	-	-	27.9	-	32.3	26.8	28.3	29.5	26.1	25.0	22.3	20.9	192
200	-	-	-	-	-	25.4	-	29.3	24.5	23.7	22.3	20.7	200
208	-	-	-	-	-	23.9	-	28.3	23.2	22.2	22.3	20.6	208
216	-	-	-	-	-	-	-	26.8	21.9	-	22.3	20.5	216
224	-	-	-	-	-	-	-	-	20.8	-	22.0	19.7	224
232	-	-	-	-	-	-	-	-	-	-	21.8	18.6	232
240	-	-	-	-	-	-	-	-	-	-	-	17.6	240
248	-	-	-	-	-	-	-	-	-	-	-	16.7	248

132,300 lb 154,300 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,700 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°			
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	22.7	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	13.3	11.9	-	216									
224	18.3	18.7	17.2	14.5	14.3	13.4	12.9	11.9	11.2	224									
232	16.7	18.7	17.1	14.2	14.1	13.2	12.6	11.7	11.0	232									
240	-	18.4	16.7	13.8	13.9	13.2	12.3	11.7	10.8	240									
248	-	18.1	16.0	13.3	13.7	13.1	12.0	11.7	10.7	248									
256	-	-	15.2	-	13.4	13.0	11.7	11.7	10.6	256									
264	-	-	14.4	-	13.2	13.0	11.0	11.7	10.6	264									
272	-	-	-	-	13.0	12.7	-	11.6	10.6	272									
280	-	-	-	-	-	11.9	-	11.5	10.6	280									
288	-	-	-	-	-	11.3	-	11.3	10.3	288									
296	-	-	-	-	-	-	-	-	9.9	296									
304	-	-	-	-	-	-	-	-	9.2	304									

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

Operation

WIHI-SSL

 19.7 ft (XL) 360° ASME B30.5

 130.6 ft

ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
56	116.5	-	-	104.7	-	-	-	-	-	69.9	-	-	56
64	110.5	-	-	102.5	-	-	83.7	-	-	68.4	-	-	64
72	102.9	-	-	100.1	-	-	82.0	-	-	67.1	-	-	72
80	96.6	-	-	93.4	-	-	80.9	-	-	66.0	-	-	80
88	87.2	-	-	87.3	-	-	79.0	-	-	65.0	-	-	88
96	-	73.6	-	79.7	-	-	76.2	-	-	64.2	-	-	96
104	-	67.7	-	70.9	67.1	-	72.2	-	-	63.6	-	-	104
112	-	-	-	-	62.1	-	67.4	61.3	-	62.8	54.2	-	112
120	-	-	50.1	-	57.9	-	-	57.0	-	60.8	53.4	-	120
128	-	-	46.8	-	-	46.3	-	53.2	-	57.0	51.9	-	128
136	-	-	-	-	-	43.2	-	49.9	-	52.3	48.8	-	136
144	-	-	-	-	-	40.7	-	46.9	39.6	-	45.8	-	144
152	-	-	-	-	-	-	-	-	37.4	-	43.1	36.0	152
160	-	-	-	-	-	-	-	-	35.0	-	40.7	33.8	160
168	-	-	-	-	-	-	-	-	-	-	-	31.8	168
176	-	-	-	-	-	-	-	-	-	-	-	30.0	176

ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
64	56.1	-	-	-	-	-	-	-	-	-	-	-	64
72	55.6	-	-	44.1	-	-	-	-	-	-	-	-	72
80	54.5	-	-	43.8	-	-	36.5	-	-	29.5	-	-	80
88	53.5	-	-	43.2	-	-	36.3	-	-	29.2	-	-	88
96	52.7	-	-	42.6	-	-	36.0	-	-	29.0	-	-	96
104	52.1	-	-	42.0	-	-	35.6	-	-	28.7	-	-	104
112	51.6	-	-	41.2	-	-	35.0	-	-	28.4	-	-	112
120	51.3	43.5	-	40.7	-	-	34.5	-	-	28.2	-	-	120
128	51.1	43.0	-	40.3	35.3	-	34.2	-	-	27.9	-	-	128
136	49.7	42.4	-	40.0	34.7	-	33.8	-	-	27.6	-	-	136
144	47.5	42.1	-	39.5	34.4	-	33.7	29.1	-	27.1	-	-	144
152	44.0	41.6	-	38.7	33.9	-	33.5	28.8	-	27.1	22.5	-	152
160	-	39.6	32.7	37.6	33.6	-	33.3	28.5	-	26.8	22.1	-	160
168	-	37.3	30.7	36.1	33.5	29.6	32.5	28.2	-	26.7	21.7	-	168
176	-	35.3	28.9	33.9	33.5	27.8	31.5	28.0	-	26.1	21.4	-	176
184	-	-	27.1	-	32.4	26.0	29.9	28.0	24.7	25.5	21.4	-	184
192	-	-	25.7	-	30.7	24.6	28.4	28.0	23.7	24.7	21.2	20.0	192
200	-	-	24.3	-	29.0	23.1	-	27.8	22.2	23.6	21.2	19.7	200
208	-	-	-	-	-	21.9	-	26.6	21.0	22.3	21.2	19.5	208
216	-	-	-	-	-	20.6	-	25.2	19.7	20.8	21.2	18.6	216
224	-	-	-	-	-	-	-	-	18.6	-	21.2	17.5	224
232	-	-	-	-	-	-	-	-	17.6	-	21.0	16.5	232
240	-	-	-	-	-	-	-	-	16.8	-	20.5	15.7	240
248	-	-	-	-	-	-	-	-	-	-	-	14.8	248
256	-	-	-	-	-	-	-	-	-	-	-	13.9	256

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


19.7 ft (XL)										360°			ASME B30.5						
130.6 ft										226.4 ft			246.1 ft			265.7 ft			
										84°			73°			65°			
										84°			73°			65°			
										1,000 lb									
ft																			ft
88	24.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88
96	23.9	-	-	-	19.6	-	-	-	-	16.3	-	-	-	-	-	-	-	-	96
104	23.6	-	-	-	19.2	-	-	-	-	16.1	-	-	-	-	-	-	-	-	104
112	23.4	-	-	-	18.9	-	-	-	-	15.9	-	-	-	-	-	-	-	-	112
120	23.1	-	-	-	18.7	-	-	-	-	15.7	-	-	-	-	-	-	-	-	120
128	22.8	-	-	-	18.4	-	-	-	-	15.5	-	-	-	-	-	-	-	-	128
136	22.4	-	-	-	18.1	-	-	-	-	15.3	-	-	-	-	-	-	-	-	136
144	22.1	-	-	-	17.7	-	-	-	-	15.0	-	-	-	-	-	-	-	-	144
152	21.8	-	-	-	17.4	-	-	-	-	14.7	-	-	-	-	-	-	-	-	152
160	21.5	18.9	-	-	17.1	-	-	-	-	14.5	-	-	-	-	-	-	-	-	160
168	21.3	18.6	-	-	16.8	14.9	-	-	-	14.2	-	-	-	-	-	-	-	-	168
176	21.0	18.3	-	-	16.6	14.6	-	-	-	13.9	12.2	-	-	-	-	-	-	-	176
184	20.7	18.1	-	-	16.3	14.3	-	-	-	13.9	12.1	-	-	-	-	-	-	-	184
192	20.4	18.0	-	-	16.0	14.1	-	-	-	13.7	11.8	-	-	-	-	-	-	-	192
200	19.9	17.9	-	-	15.5	14.0	-	-	-	13.6	11.6	-	-	-	-	-	-	-	200
208	19.3	17.7	16.6	-	15.2	13.9	-	-	-	13.4	11.5	-	-	-	-	-	-	-	208
216	18.8	17.6	16.3	-	14.8	13.7	-	-	-	13.2	11.3	-	-	-	-	-	-	-	216
224	18.4	17.6	16.3	-	14.5	13.6	12.8	-	-	12.8	11.2	-	-	-	-	-	-	-	224
232	17.3	17.6	15.9	-	14.0	13.4	12.5	-	-	12.5	11.0	10.3	-	-	-	-	-	-	232
240	-	17.6	14.9	-	13.8	13.3	12.4	-	-	12.2	11.0	10.2	-	-	-	-	-	-	240
248	-	17.6	14.0	-	13.3	13.1	12.3	-	-	11.9	11.0	10.1	-	-	-	-	-	-	248
256	-	17.6	13.2	-	-	13.0	12.3	-	-	11.7	11.0	9.9	-	-	-	-	-	-	256
264	-	-	12.5	-	-	12.7	11.7	-	-	11.1	11.0	9.8	-	-	-	-	-	-	264
272	-	-	11.9	-	-	12.5	11.0	-	-	10.4	11.0	9.7	-	-	-	-	-	-	272
280	-	-	11.2	-	-	12.4	10.3	-	-	-	11.0	9.4	-	-	-	-	-	-	280
288	-	-	-	-	-	-	9.7	-	-	-	11.0	8.8	-	-	-	-	-	-	288
296	-	-	-	-	-	-	9.0	-	-	-	11.0	8.1	-	-	-	-	-	-	296
304	-	-	-	-	-	-	-	-	-	-	-	7.6	-	-	-	-	-	-	304
312	-	-	-	-	-	-	-	-	-	-	-	7.0	-	-	-	-	-	-	312
320	-	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-	-	-	-	320

- 132,300 lb
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Operation

WIHI-SSL

 19.7 ft (XL) 360° ASME B30.5

 147.0 ft

ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	81.8	-	-	78.8	-	-	76.0	-	-	62.3	-	-	88
96	-	-	-	74.5	-	-	72.0	-	-	61.7	-	-	96
104	-	65.3	-	68.9	-	-	66.8	-	-	60.9	-	-	104
112	-	60.4	-	-	59.7	-	62.1	-	-	58.5	-	-	112
120	-	-	-	-	55.7	-	58.4	54.9	-	55.7	48.9	-	120
128	-	-	39.0	-	52.0	-	-	51.2	-	52.6	47.3	-	128
136	-	-	37.9	-	-	-	-	47.9	-	49.6	45.8	-	136
144	-	-	-	-	-	37.8	-	45.1	-	46.9	43.7	-	144
152	-	-	-	-	-	-	-	-	-	-	41.2	-	152
160	-	-	-	-	-	-	-	-	-	-	38.8	31.3	160
168	-	-	-	-	-	-	-	-	-	-	36.8	29.3	168
176	-	-	-	-	-	-	-	-	-	-	-	27.6	176
184	-	-	-	-	-	-	-	-	-	-	-	26.0	184

ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	40.3	37.3	-	37.1	31.8	-	32.2	26.8	-	25.9	20.9	-	160
168	-	35.8	28.3	36.1	31.4	-	31.8	26.5	-	25.8	20.6	-	168
176	-	33.6	26.5	34.3	30.9	-	31.0	26.5	-	25.6	20.3	-	176
184	-	31.7	24.9	-	30.4	23.8	29.9	26.4	-	25.1	20.1	-	184
192	-	-	23.5	-	29.0	22.4	28.4	26.2	21.3	24.4	20.1	-	192
200	-	-	22.2	-	27.5	21.1	26.9	26.0	20.1	23.5	19.9	-	200
208	-	-	21.0	-	26.1	19.7	-	25.2	18.9	22.3	19.8	17.7	208
216	-	-	-	-	-	18.6	-	23.9	17.7	21.0	19.8	16.6	216
224	-	-	-	-	-	17.5	-	22.6	16.7	-	19.6	15.6	224
232	-	-	-	-	-	-	-	-	15.8	-	19.5	14.7	232
240	-	-	-	-	-	-	-	-	14.9	-	19.1	13.8	240
248	-	-	-	-	-	-	-	-	14.0	-	18.4	12.9	248
256	-	-	-	-	-	-	-	-	-	-	-	12.1	256
264	-	-	-	-	-	-	-	-	-	-	-	11.4	264

 132,300 lb 154,300 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,700 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°			
ft										1,000 lb									ft
96										19.0	-	-	-	-	-	-	-	-	96
104										18.8	-	-	-	15.5	-	-	-	-	104
112										18.5	-	-	-	15.4	-	-	-	-	112
120										18.2	-	-	-	15.2	-	-	-	-	120
128										17.7	-	-	-	15.1	-	-	-	-	128
136										17.5	-	-	-	14.8	-	-	-	-	136
144										17.2	-	-	-	14.6	-	-	-	-	144
152										16.9	-	-	-	14.3	-	-	-	-	152
160										16.7	-	-	-	14.0	-	-	-	-	160
168										16.4	-	-	-	13.9	-	-	-	-	168
176										16.1	13.9	-	-	13.7	-	-	-	-	176
184										15.9	13.7	-	-	13.4	11.2	-	-	-	184
192										15.6	13.4	-	-	13.2	11.2	-	-	-	192
200										15.3	13.2	-	-	13.1	10.9	-	-	-	200
208										15.1	13.1	-	-	13.0	10.8	-	-	-	208
216										14.6	13.0	-	-	13.0	10.6	-	-	-	216
224										14.3	12.8	-	-	12.8	10.4	-	-	-	224
232										14.0	12.7	11.9	-	12.5	10.3	-	-	-	232
240										13.6	12.6	11.7	-	12.3	10.1	9.5	-	-	240
248										13.3	12.6	11.2	-	12.0	10.1	9.4	-	-	248
256										12.8	12.6	10.6	-	11.7	10.1	9.3	-	-	256
264										-	12.3	9.9	-	11.1	10.1	8.9	-	-	264
272										-	12.1	9.2	-	10.5	10.1	8.4	-	-	272
280										-	11.9	8.6	-	-	10.1	7.7	-	-	280
288										-	11.9	8.0	-	-	10.1	7.1	-	-	288
296										-	-	7.4	-	-	10.1	6.6	-	-	296
304										-	-	6.9	-	-	10.1	6.0	-	-	304
312										-	-	-	-	-	-	5.6	-	-	312
320										-	-	-	-	-	-	5.1	-	-	320
328										-	-	-	-	-	-	4.6	-	-	328


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

19.7 ft (XL) 360° ASME B30.5													
163.4 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
64	94.0	-	-	-	-	-	-	-	-	-	-	-	64
72	88.5	-	-	84.1	-	-	-	-	-	61.3	-	-	72
80	82.7	-	-	79.5	-	-	71.4	-	-	60.5	-	-	80
88	76.1	-	-	74.7	-	-	68.1	-	-	59.4	-	-	88
96	70.2	-	-	69.5	-	-	64.9	-	-	57.9	-	-	96
104	-	-	-	64.2	-	-	61.5	-	-	56.0	-	-	104
112	-	57.2	-	-	54.5	-	58.0	-	-	53.9	-	-	112
120	-	54.5	-	-	52.2	-	54.2	-	-	51.7	-	-	120
128	-	-	-	-	49.9	-	-	44.9	-	49.5	40.4	-	128
136	-	-	28.5	-	-	-	-	43.1	-	46.7	38.9	-	136
144	-	-	27.6	-	-	-	-	41.7	-	43.8	37.5	-	144
152	-	-	-	-	-	33.4	-	-	-	-	36.5	-	152
160	-	-	-	-	-	-	-	-	-	-	35.4	-	160
168	-	-	-	-	-	-	-	-	30.5	-	34.4	27.3	168
176	-	-	-	-	-	-	-	-	28.6	-	-	25.6	176
184	-	-	-	-	-	-	-	-	26.9	-	-	24.2	184
192	-	-	-	-	-	-	-	-	-	-	-	22.9	192

ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	37.0	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	-	-	21.5	-	24.8	19.7	28.2	20.6	-	23.9	17.6	-	192
200	-	-	20.3	-	24.3	18.9	26.9	20.1	-	23.4	17.3	-	200
208	-	-	19.2	-	23.9	18.1	-	19.8	16.5	22.5	16.9	-	208
216	-	-	18.1	-	-	17.0	-	19.4	15.9	21.3	16.6	13.9	216
224	-	-	-	-	-	16.0	-	-	19.0	15.1	-	13.4	224
232	-	-	-	-	-	15.2	-	-	-	14.3	15.8	12.8	232
240	-	-	-	-	-	-	-	-	-	13.3	15.5	12.1	240
248	-	-	-	-	-	-	-	-	-	12.6	15.4	11.6	248
256	-	-	-	-	-	-	-	-	-	-	-	10.8	256
264	-	-	-	-	-	-	-	-	-	-	-	10.1	264
272	-	-	-	-	-	-	-	-	-	-	-	9.5	272

132,300 lb 154,300 lb 176,400 lb 198,400 lb 220,500 lb 242,500 lb 264,600 lb 286,600 lb 308,700 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	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	17.3	13.8	11.2	-	13.3	11.1	9.1	240	
248	-	13.5	10.7	-	13.1	10.9	8.8	248	
256	-	13.2	10.1	-	12.8	10.6	8.4	256	
264	-	13.2	9.5	-	-	10.5	8.2	264	
272	-	-	8.8	-	-	10.3	7.7	272	
280	-	-	8.1	-	-	10.2	7.2	280	
288	-	-	7.6	-	-	10.1	6.7	288	
296	-	-	-	-	-	-	6.1	296	
304	-	-	-	-	-	-	5.6	304	
312	-	-	-	-	-	-	5.2	312	

	132,300 lb	154,300 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb	308,700 lb	330,700 lb
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19.7 ft (XL) 360° ASME B30.5													
179.8 ft													
ft	78.7 ft			88.6 ft			108.3 ft			128.0 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	62.8	-	-	59.3	-	-	55.5	-	-	51.2	-	-	96
104	-	-	-	56.3	-	-	52.2	-	-	48.6	-	-	104
112	-	47.5	-	-	-	-	49.5	-	-	45.9	-	-	112
120	-	45.9	-	-	43.3	-	47.4	-	-	43.6	-	-	120
128	-	44.3	-	-	41.9	-	45.9	-	-	41.5	-	-	128
136	-	-	-	-	40.4	-	-	36.7	-	39.8	33.2	-	136
144	-	-	18.8	-	-	-	-	35.3	-	38.4	31.8	-	144
152	-	-	-	-	-	-	-	34.2	-	-	30.7	-	152
160	-	-	-	-	-	29.4	-	-	-	-	29.6	-	160
168	-	-	-	-	-	-	-	-	-	26.6	28.7	-	168
176	-	-	-	-	-	-	-	-	26.6	-	28.1	21.3	176
184	-	-	-	-	-	-	-	-	-	-	-	20.5	184
192	-	-	-	-	-	-	-	-	-	-	-	19.7	192
200	-	-	-	-	-	-	-	-	-	-	-	19.0	200

ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lb													
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	-	-	30.4	-	-	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	31.9	26.6	-	28.3	21.6	-	26.1	-	-	21.0	-	-	160
168	31.3	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	26.0	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	22.2	16.3	-	17.6	14.0	-	200
208	-	-	16.4	-	17.8	14.2	22.0	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	-	16.5	12.7	-	224
232	-	-	-	-	-	12.7	-	14.8	-	-	12.5	-	232
240	-	-	-	-	-	12.3	-	-	-	-	12.2	-	240
248	-	-	-	-	-	-	-	-	-	-	12.0	-	248

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

Operation

WIHI-SSL

19.7 ft (XL)		360°	
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	14.1	10.7	240
248	14.1	10.4	248
256	-	10.1	256
264	-	10.0	264
272	-	9.9	272

132,300 lb	154,300 lb	176,400 lb	198,400 lb	220,500 lb	242,500 lb	264,600 lb	286,600 lb	308,700 lb	330,700 lb
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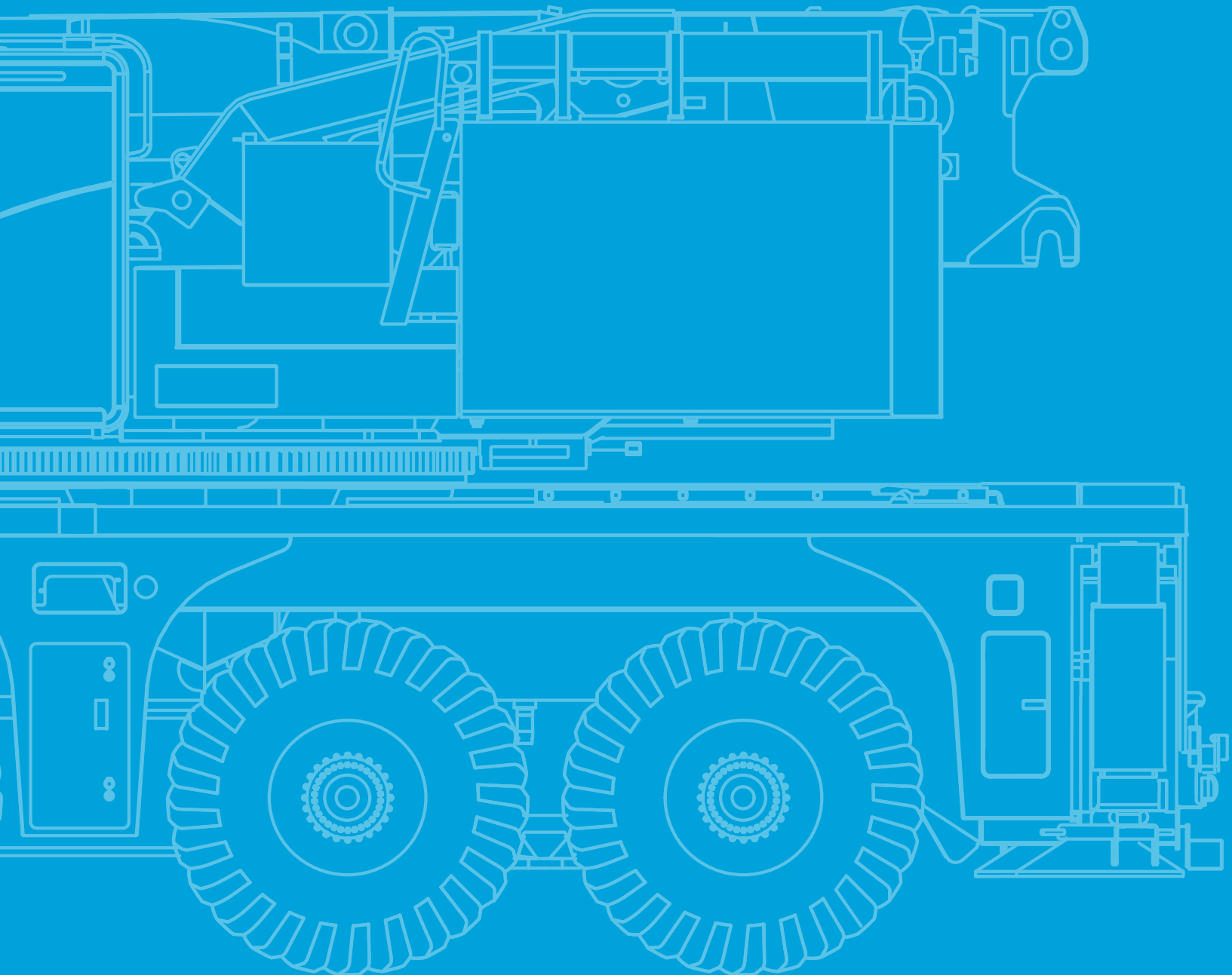
Notes to Lifting Capacity

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.

TECHNICAL DESCRIPTION



Technical Description

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	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	All 7 axles steered, axles 2, 3, 6 and 7 are driven and dispose of selectable transverse lock; Axle 6 with a selectable longitudinal lock.
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.
Tires	Tires size 385/95 R25 (14.00R25); Steel rim 9,5-25/1,7"
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; Aircondition.
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. 4 round polyamide outrigger pads A = 1.25 ft ² with transport position at vertical cylinder.
Outrigger basis monitoring	Individual monitoring of horizontal stroke; Deviation warning in cab.
Outrigger 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	For self-inflating of the wheels.

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 296,100 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	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.
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.
Working range limiter	Displaying and programmability of the work range limits 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; Aircondition.
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.

Technical Description

Additional equipment

Carrier

Engine 460-3	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 incl. spark arrester certificate.
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.
Tadano 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	3 additional sheaves; For total 9 sheaves at boom head; Max. capacity of 431,000 lb.
SSL	Sideways Superlift; Capacity increasing boom guy support.
2. hoist (H2)	Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. hoist monitoring and quick couplings.
Additional counterweight 286,600 lb	12 x 22,050 lb + 2 x 11,000 lb or 10 x 22,050 lb + 6 x 11,000 lb; For total 330,700 lb.
Counterweight adapter frame (XL)	Counterweight adapter frame for increased counterweight tailswing; Increase in lifting capacity especially when working with SSL.
Engine-independent aircondition	For superstructure cabin; Powered by auxiliary diesel power unit; Incl. electrical power supply.
Load supervision camera	Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head.

Extensions

WIHI 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 26.2 ft - 193.6 ft.
LF 193.6 ft	Light fixed jib; 3-sheave head; Enables configuration LF 26.2 ft - 193.6 ft.
F-A 183.7 ft	Fixed jib; Manual offset 20°/40°; 3-sheave head; Enables configuration F-A 36.1 ft - 183.7 ft, LF 26.2 ft - 55.8 ft.
F-A-HY 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 26.2 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 441,000 lb, 9-sheaves	Max. capacity of 431,000 lb; 4,410 lb; Double hook, white with red signal stripes.
Hook block 352,800 lb, 7-sheaves	Max. capacity of 342,000 lb; 4,190 lb; Double hook, white with red signal stripes.
Hook block 275,600 lb, 5-sheaves	Max. capacity of 272,800 lb; 3,100 lb; Double hook, white with red signal stripes.
Hook block 176,400 lb, 3-sheaves	Max. capacity of 177,100 lb; 2,650 lb; Double hook, white with red signal stripes.
Hook block 88,200 lb, 1-sheave	Max. capacity of 71,400 lb; 1,980 lb; Double hook, white with red signal stripes.
Hook 26,500 lb	Max. capacity of 26,000 lb; 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.

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