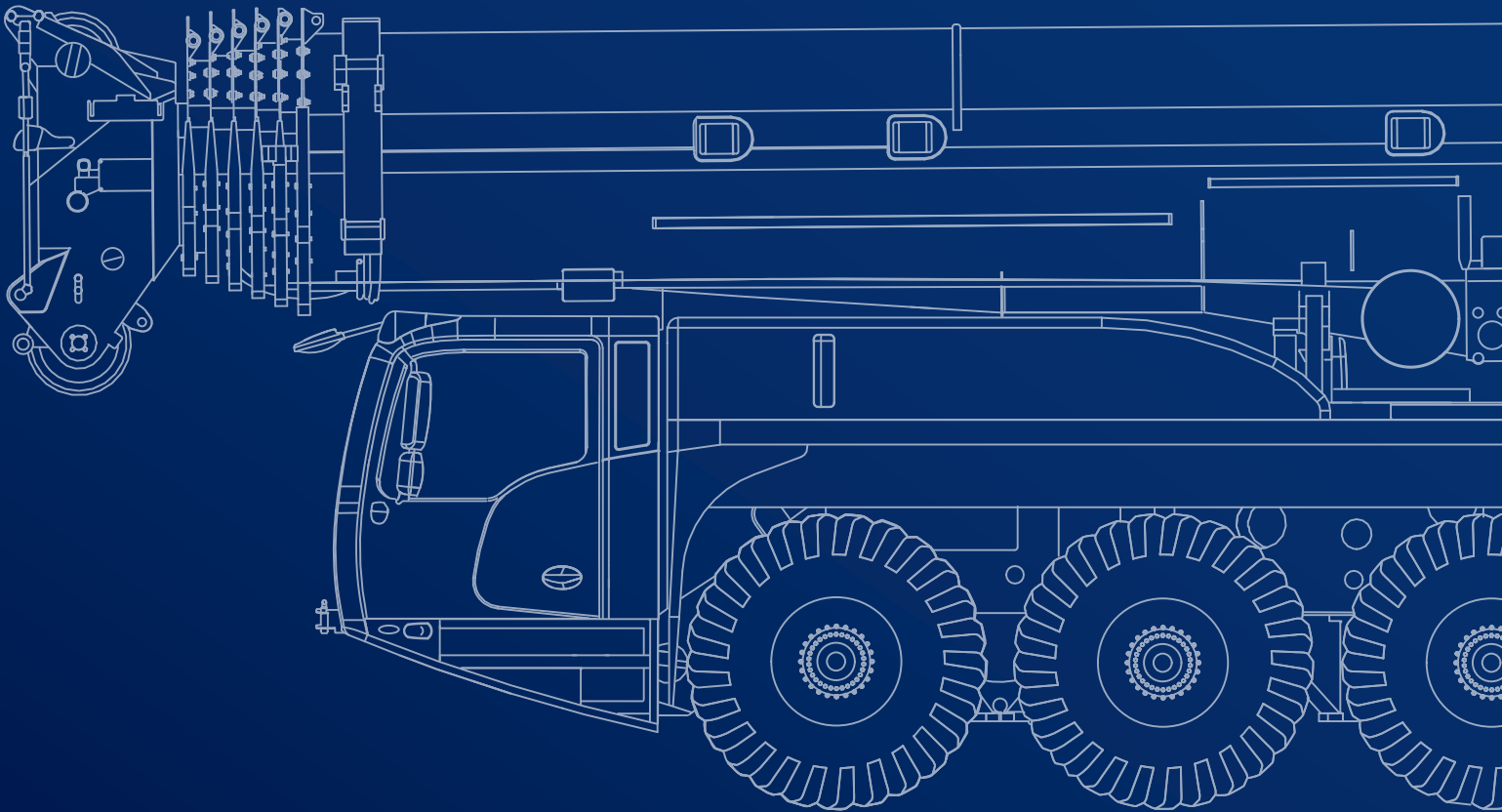


AC 7.450-1

500 US TON MAX. CRANE CAPACITY



- Suitable for alternative fuels





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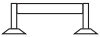










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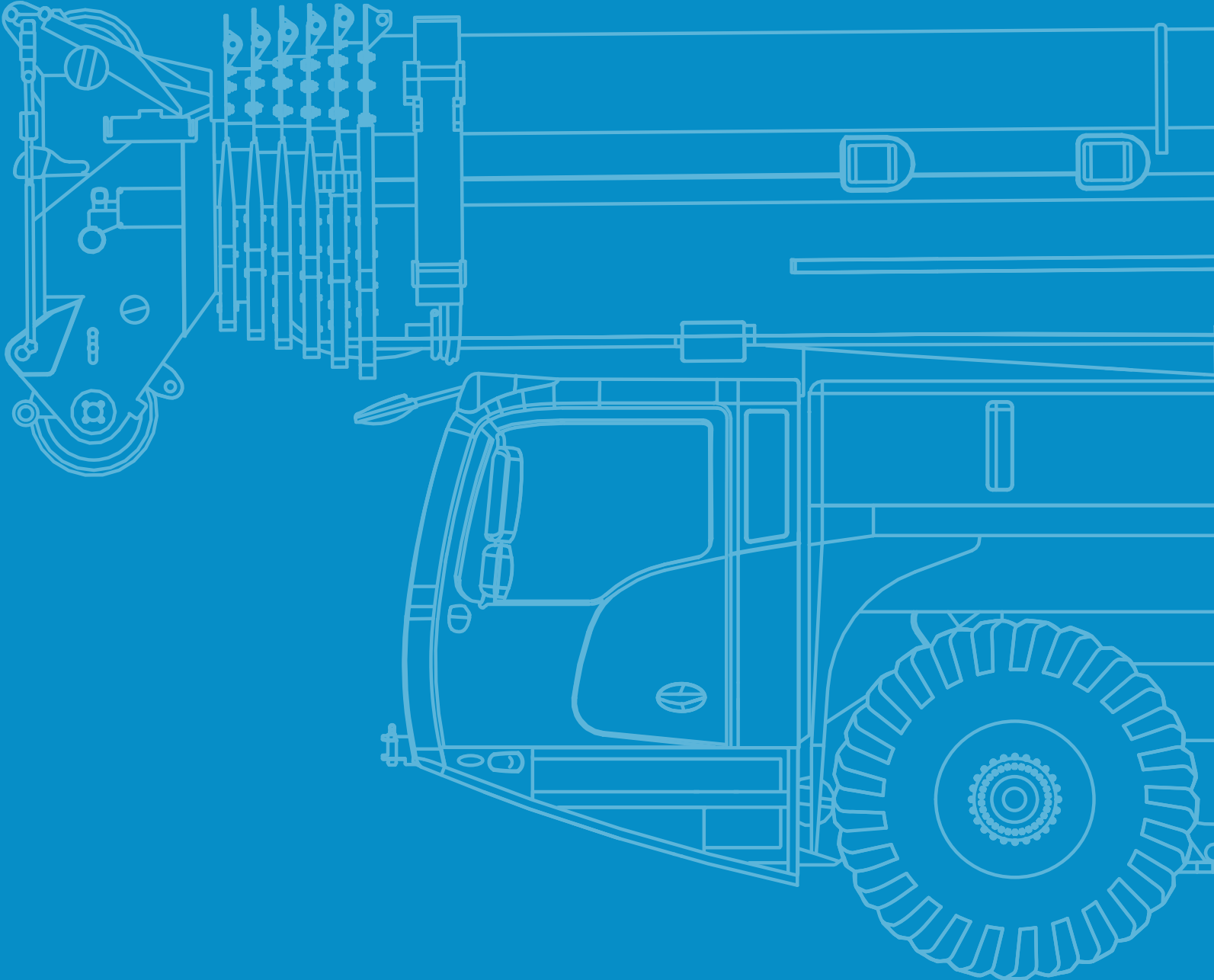
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Key



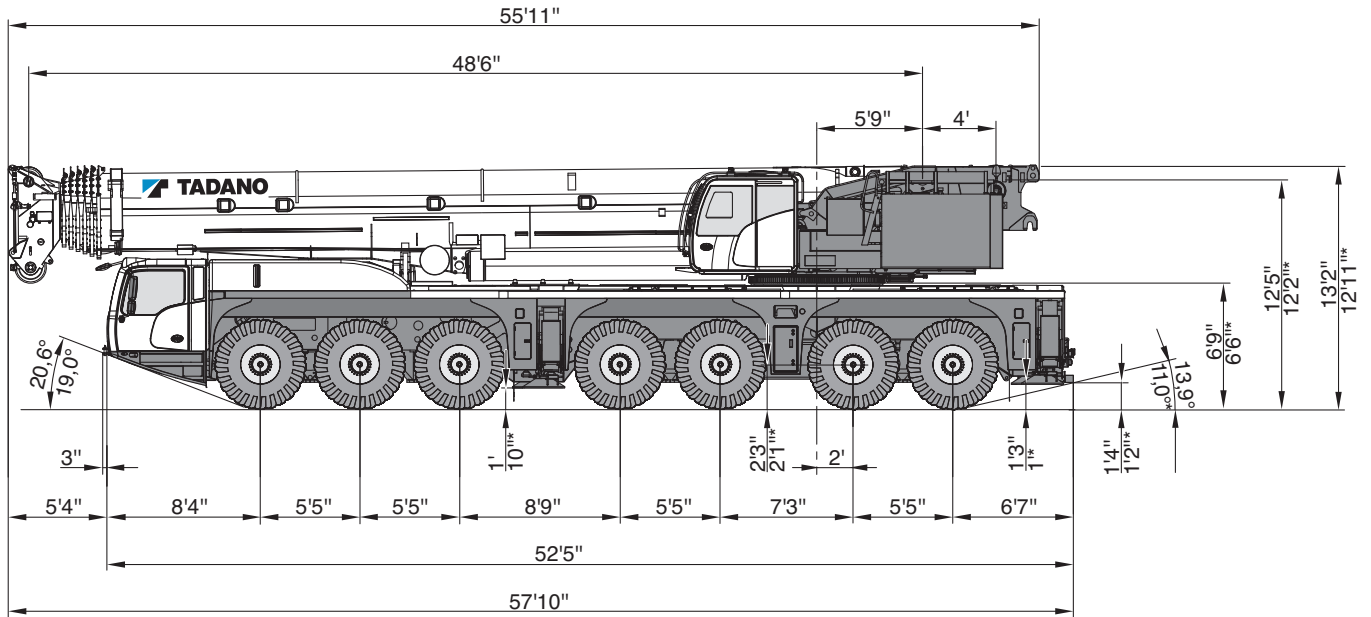
	Counterweight		Dolly
	Lifting capacities on outriggers · 360°		Boom telescoping
	Radius		Boom elevation
	Main boom		Max. line pull
	Fixed fly jib		Rope diameter
	Luffing fly jib		Rope length
	Runner		Hook block
	Max. axle loads		Number of lines
	Mechanism		Possible load of hook block
	Tires		Weight of hook block
	Hook block		Distance head sheave axle – hook ground
	Sideways Superlift (SSL)		Number of sheaves in hook block
	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



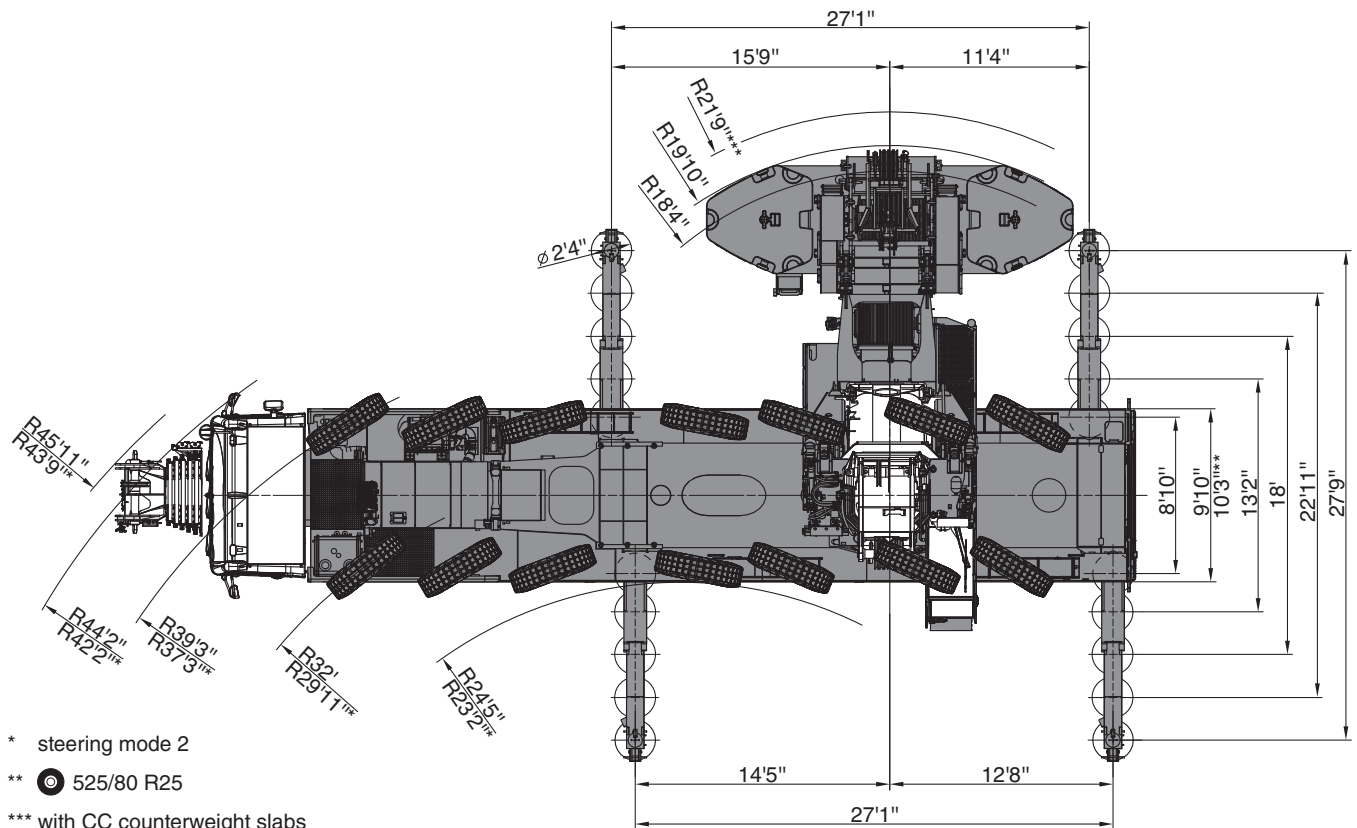
General

Vehicle dimensions



⊙ 445/95 R25 / 525/80 R25

* ⊙ 385/95 R25



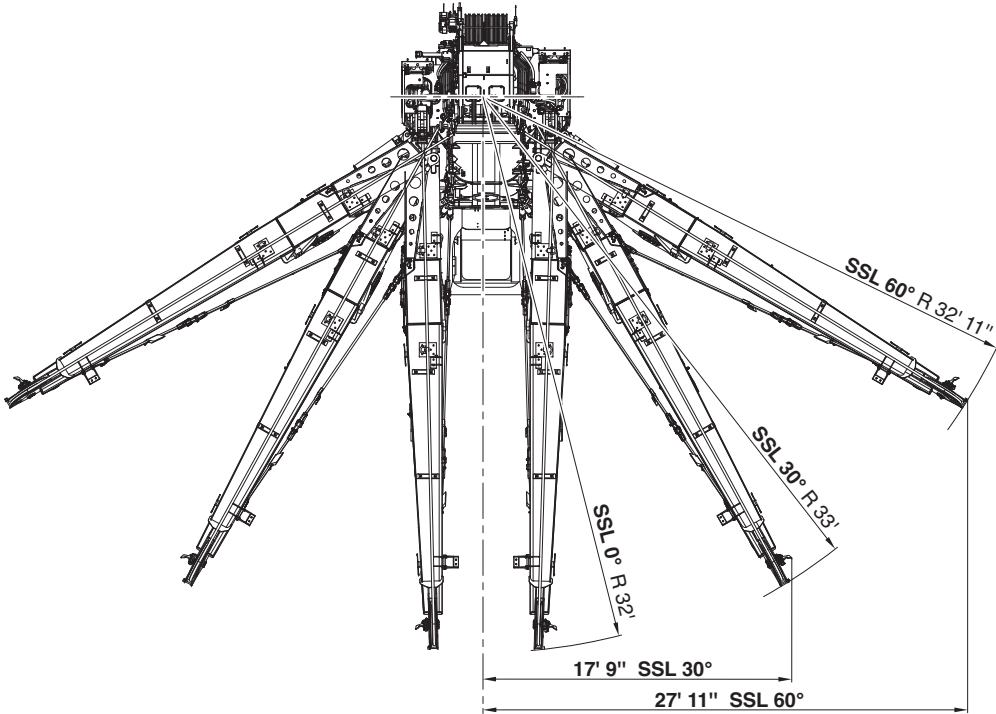
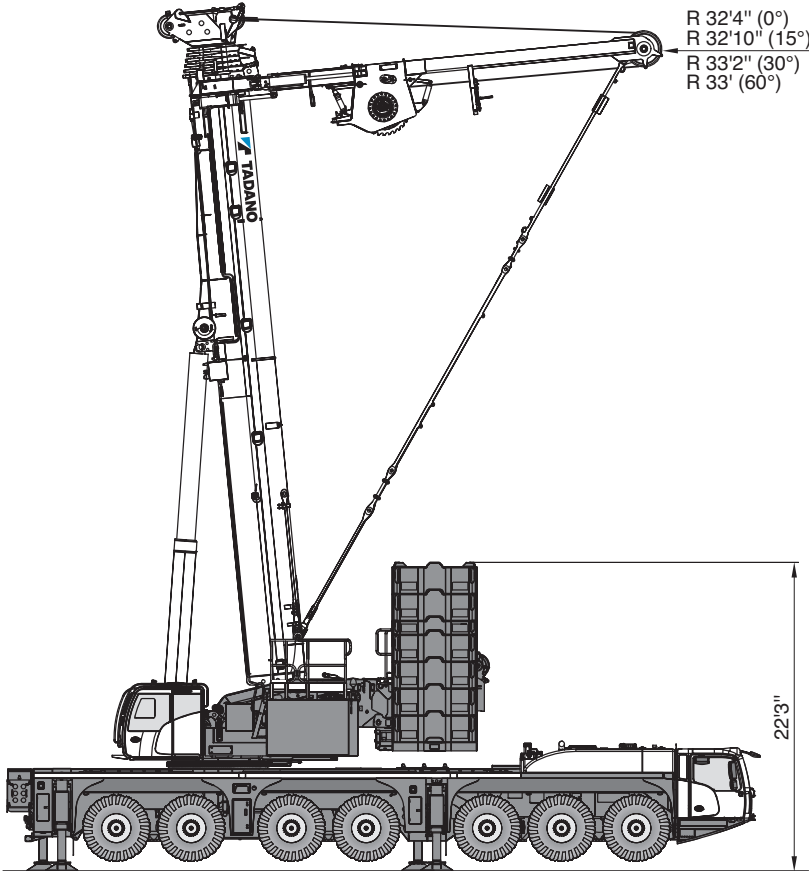
* steering mode 2

** ⊙ 525/80 R25

*** with CC counterweight slabs

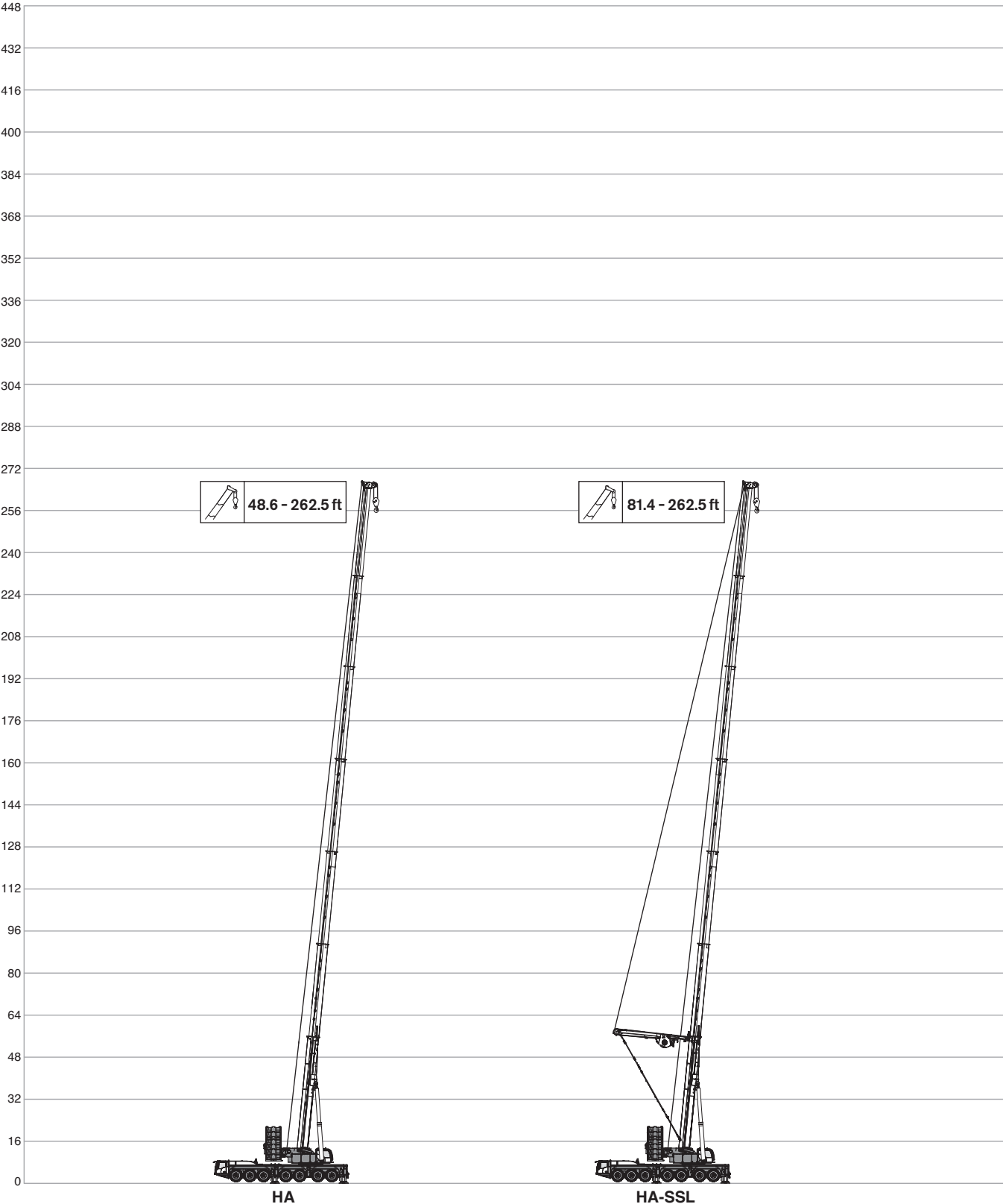
General

Vehicle dimensions



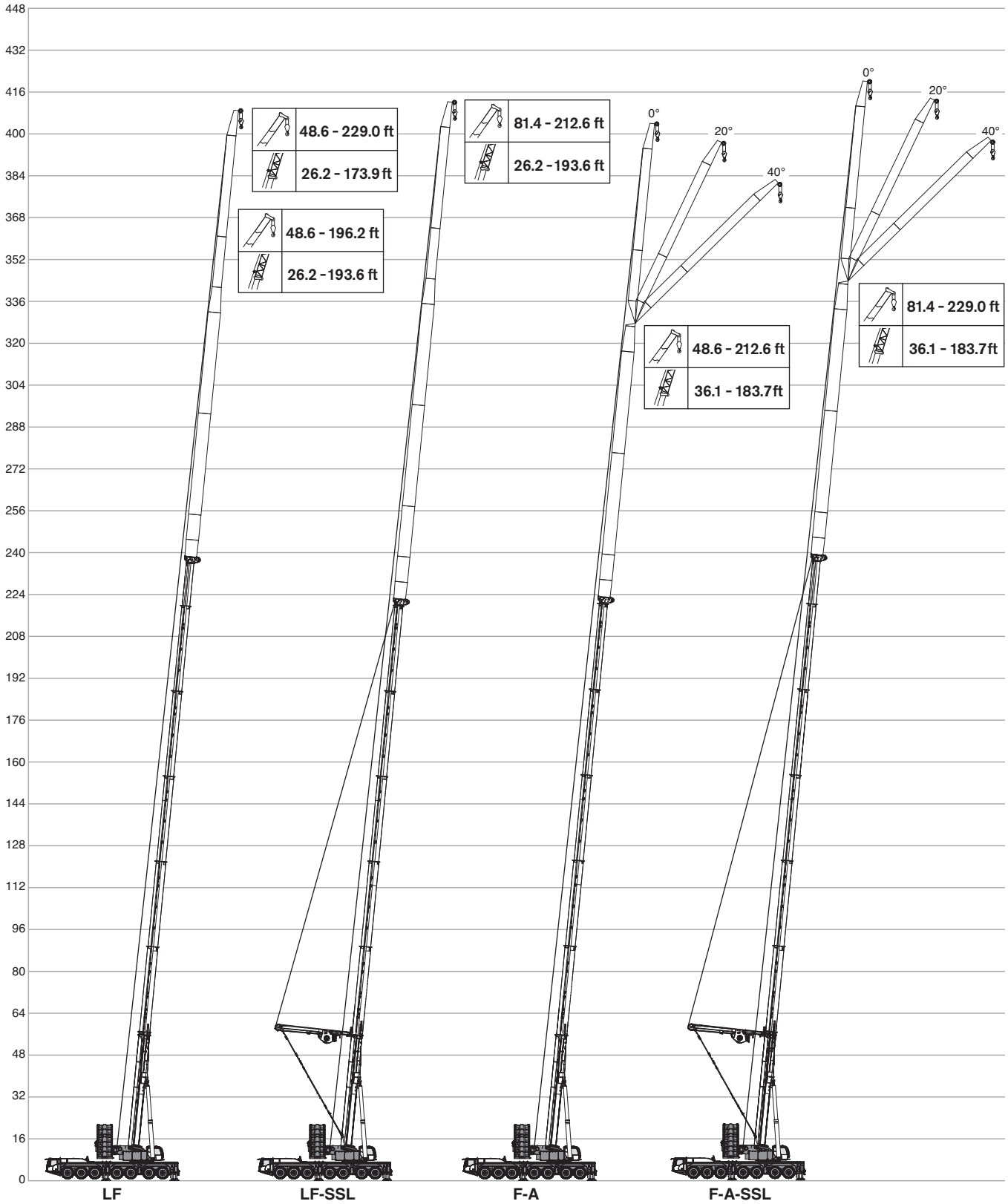
General

Boom Combinations



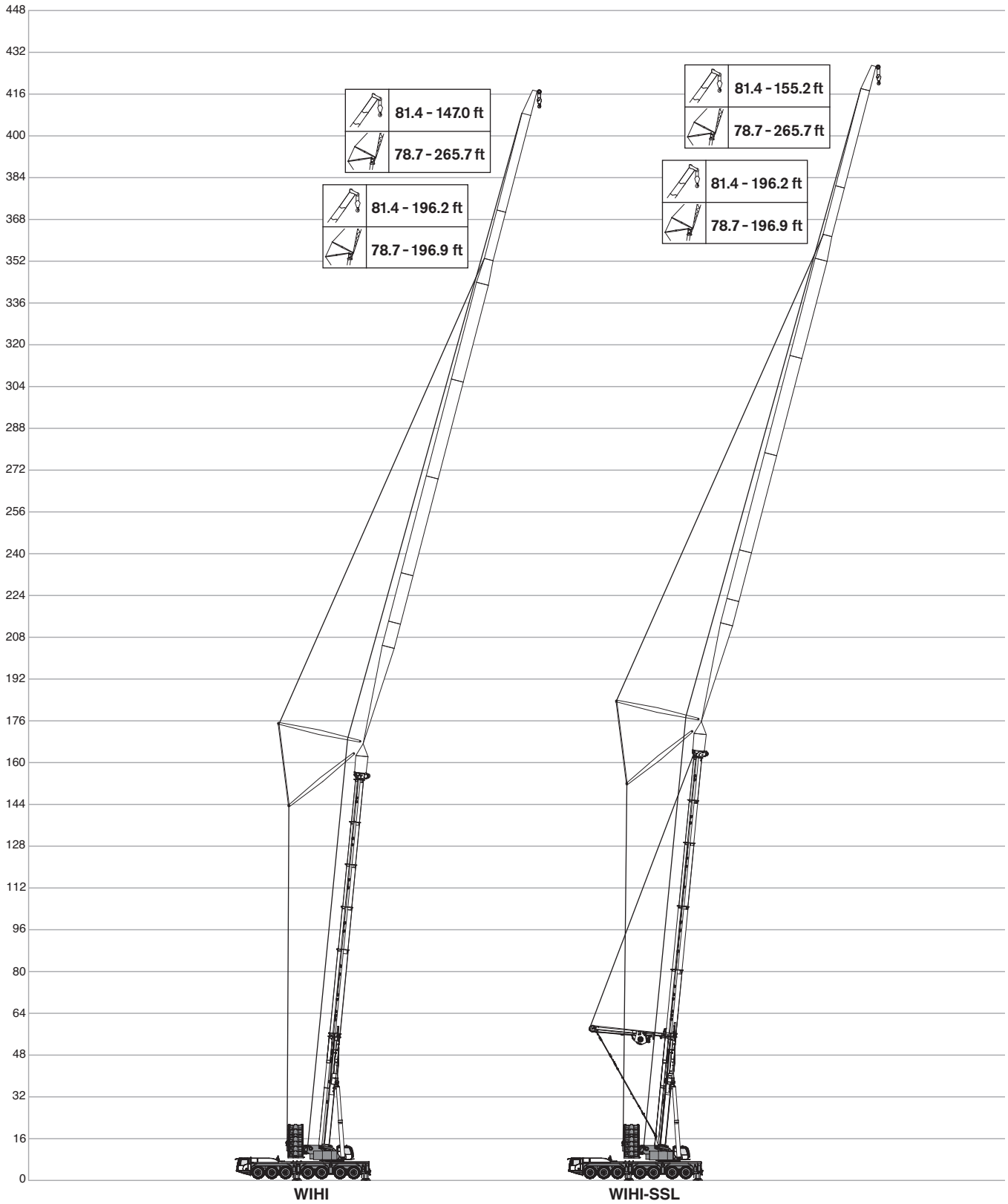
General

Boom Combinations

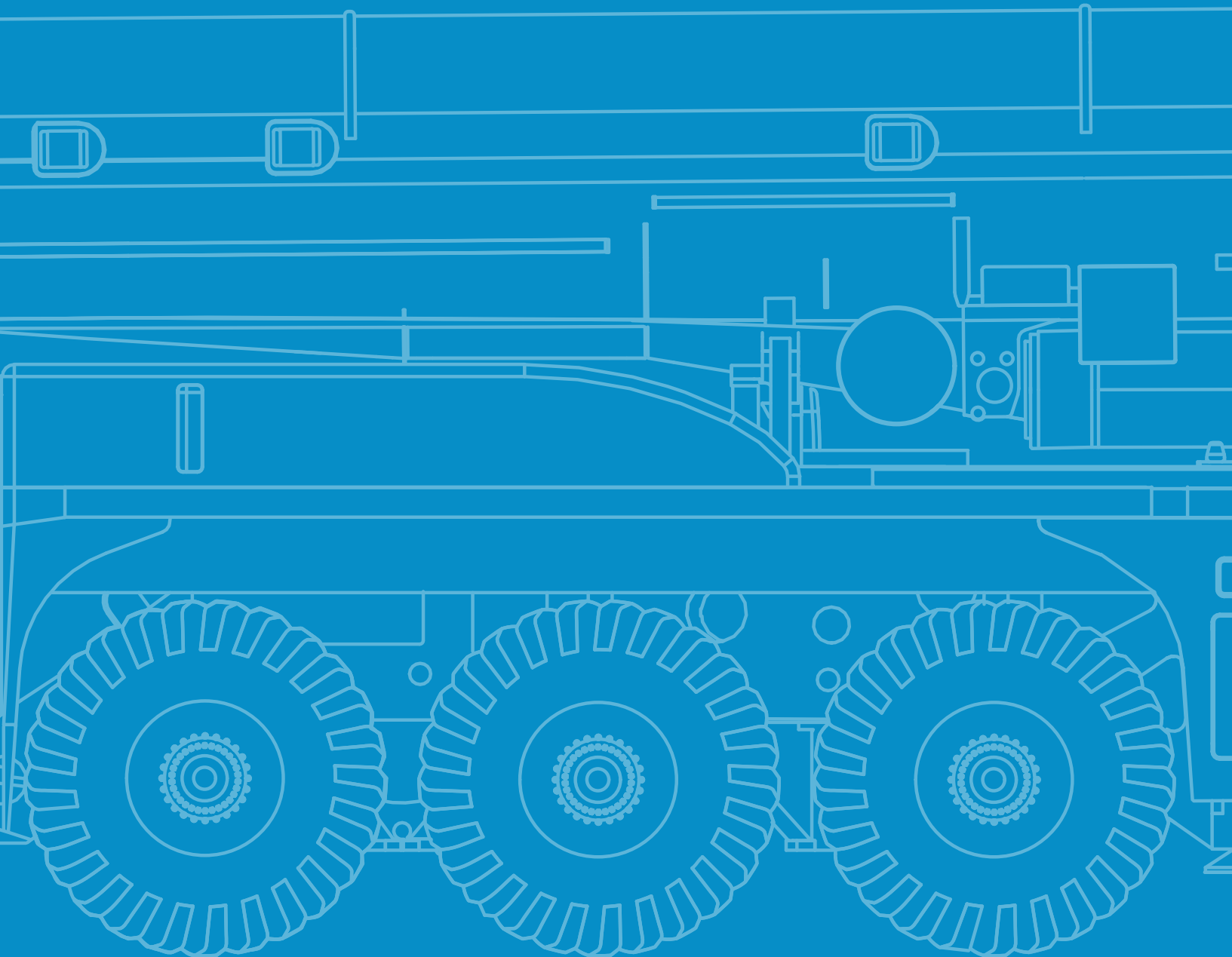


General


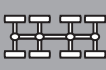






Boom Combinations






TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING


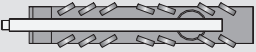
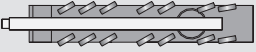




On-road and off-road driving

Axle loads								
	Total							
< 20,000 lbs	On request!							X
< 22,050 lbs	< 106,000 lbs	14 x 8 x 14	445/95R25	–	–	–	–	–
< 26,500 lbs	< 185,200 lbs	14 x 8 x 14	385/95R25	262.5 ft	88,200 lbs	–	1,430 lbs	–
< 26,500 lbs	< 185,200 lbs	14 x 8 x 14	445/95R25 (AI)	262.5 ft	176,400 lbs Vario	–	–	–
< 26,500 lbs	< 185,200 lbs	14 x 8 x 14	445/95R25	262.5 ft	26,500 lbs	–	0,770 lbs	–
< 36,400 lbs	< 213,900 lbs	14 x 8 x 14	445/95R25	262.5 ft	176,400 lbs Vario	X	1,100 lbs	–

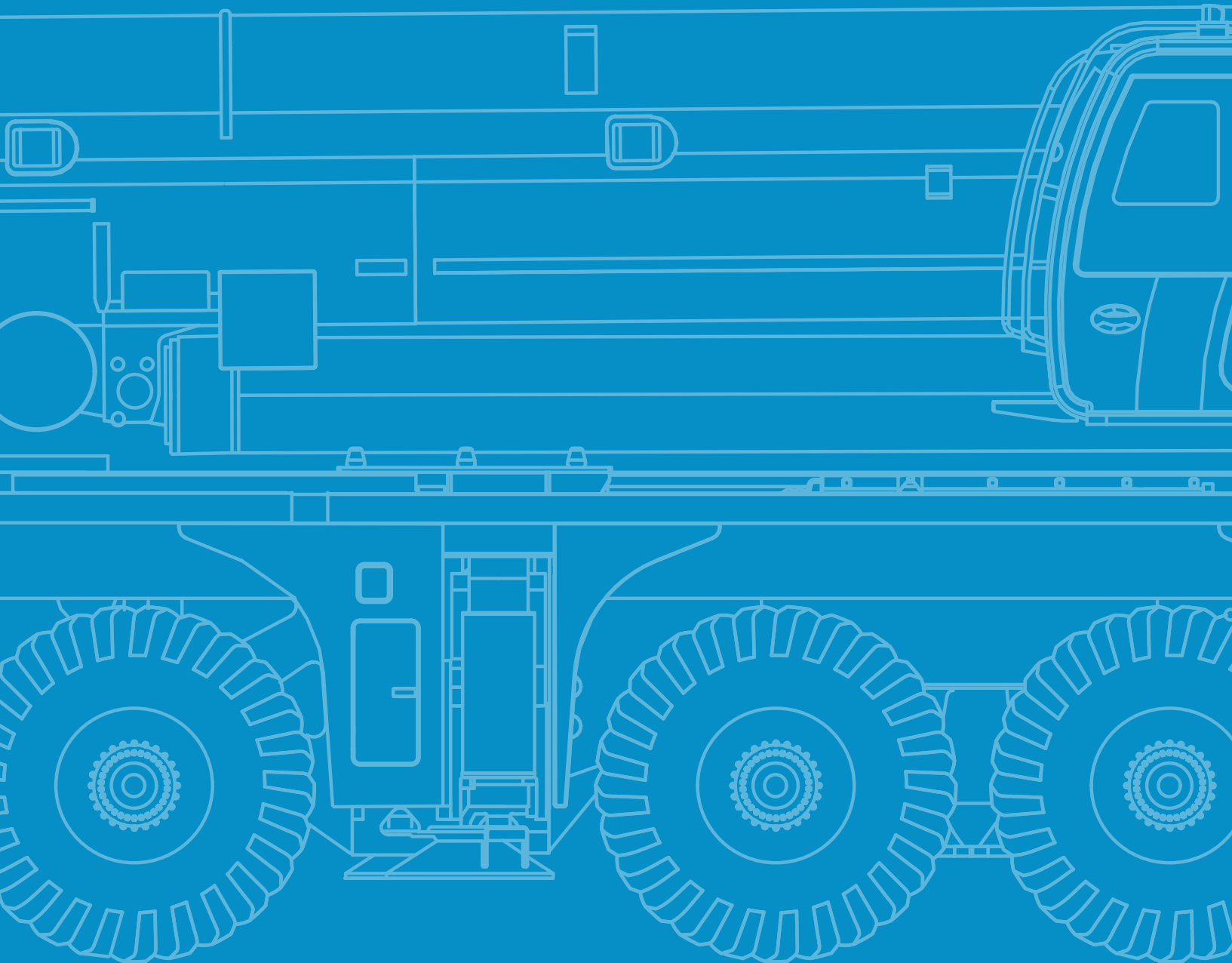
Speeds and gradeability			
	385/95 R 25 14.00 R 25	445/95 R 25 16.00 R 25	525/80 R 25 20.50 R 25
	46 %	41 %	41 %
	52.8 mph ¹⁾		

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

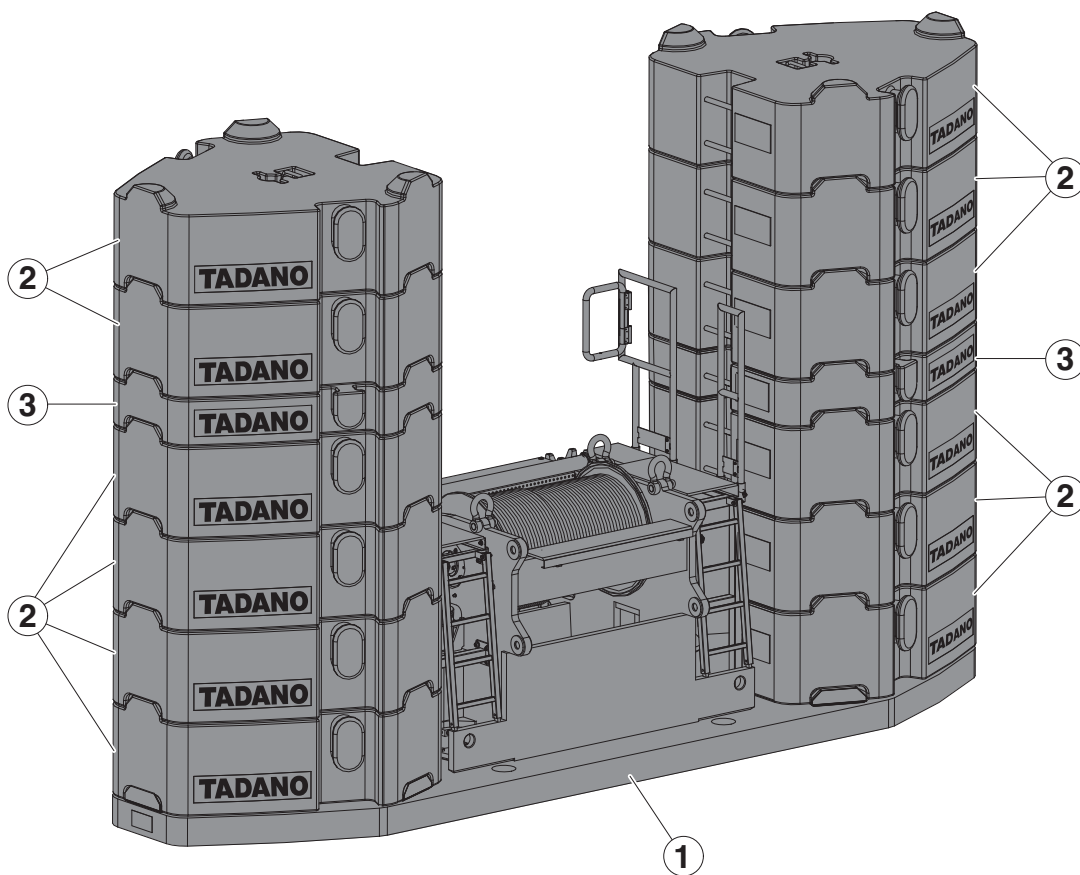
* must be activated

TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight

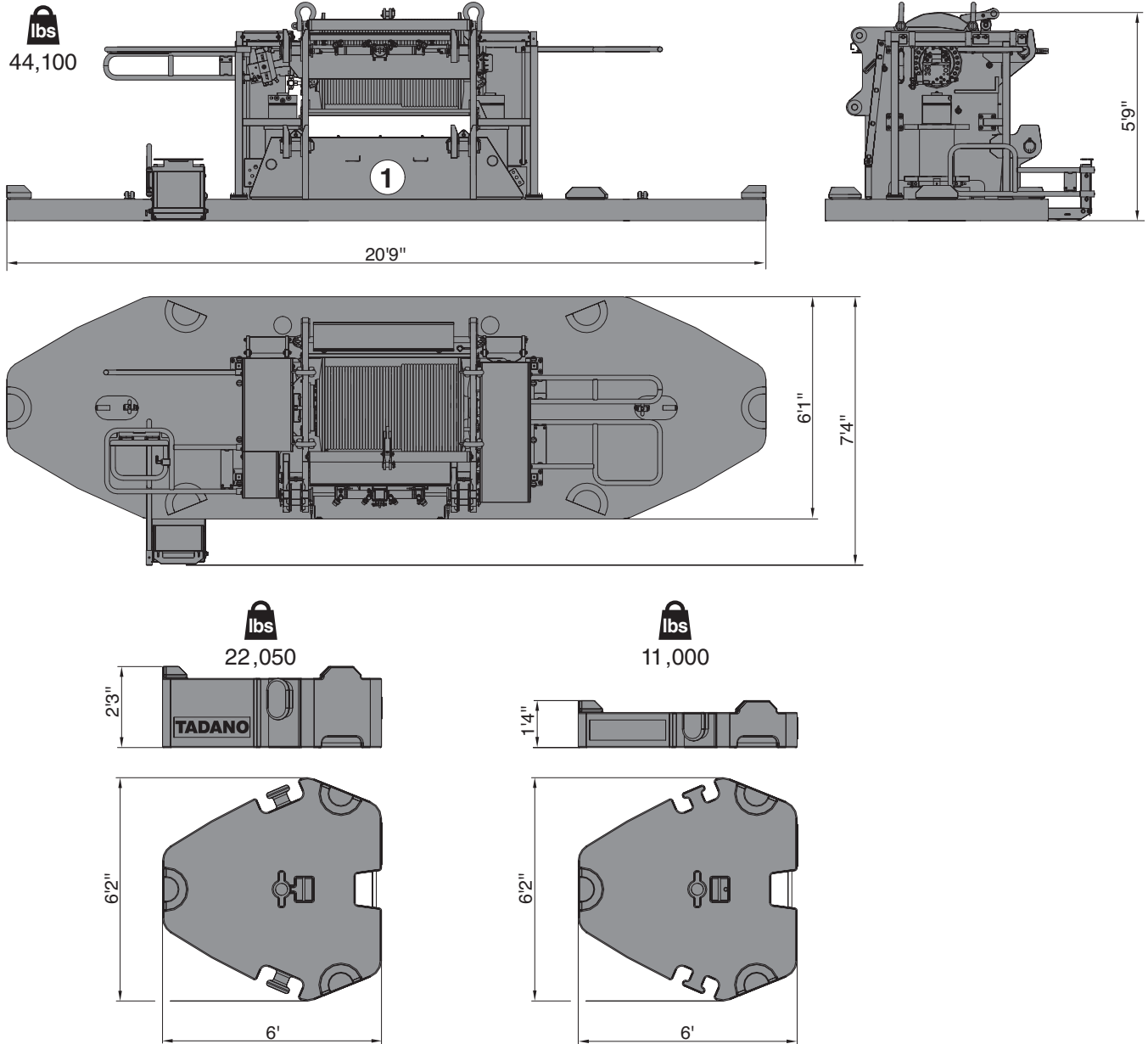


Configurations

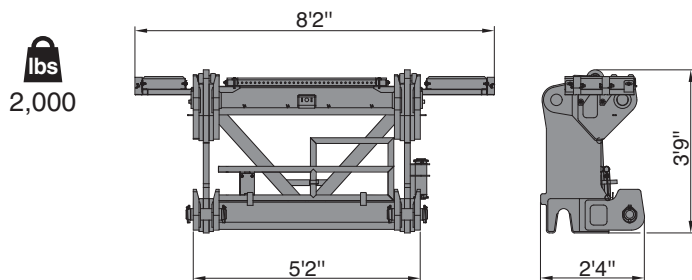
lbs	44,100	66,100	88,200	110,200	132,300	154,300	176,400	198,400	220,500	242,500	264,600	286,600	308,700	330,700
① 44,100	1	1	1	1	1	1	1	1	1	1	1	1	1	1
② 22,050			1	2	3	4	5	6	7	8	9 (8)	10 (9)	11 (10)	12 (10)
③ 11,000		2	2	2	2	2	2	2	2	2	2 (4)	2 (4)	2 (4)	2 (6)

Transportation

Counterweight



Counterweight adapter frame (XL)

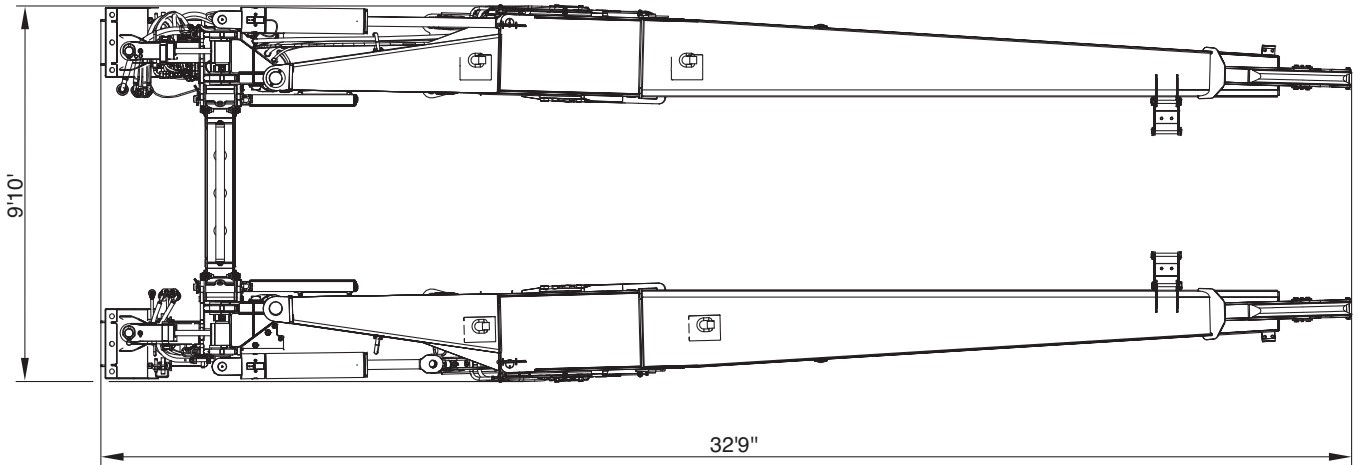
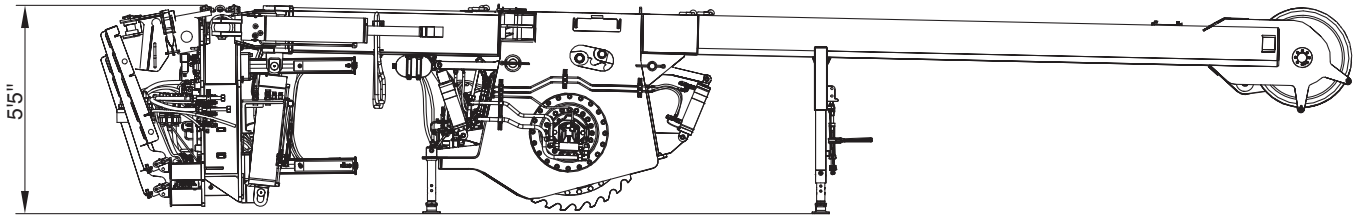


Transportation

Sideways Superlift (SSL)



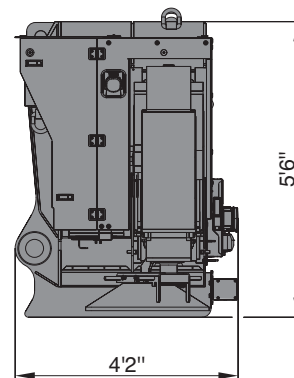
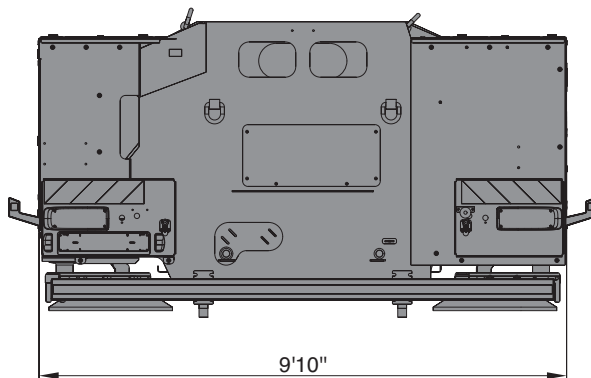
26,700



Removable rear outrigger box

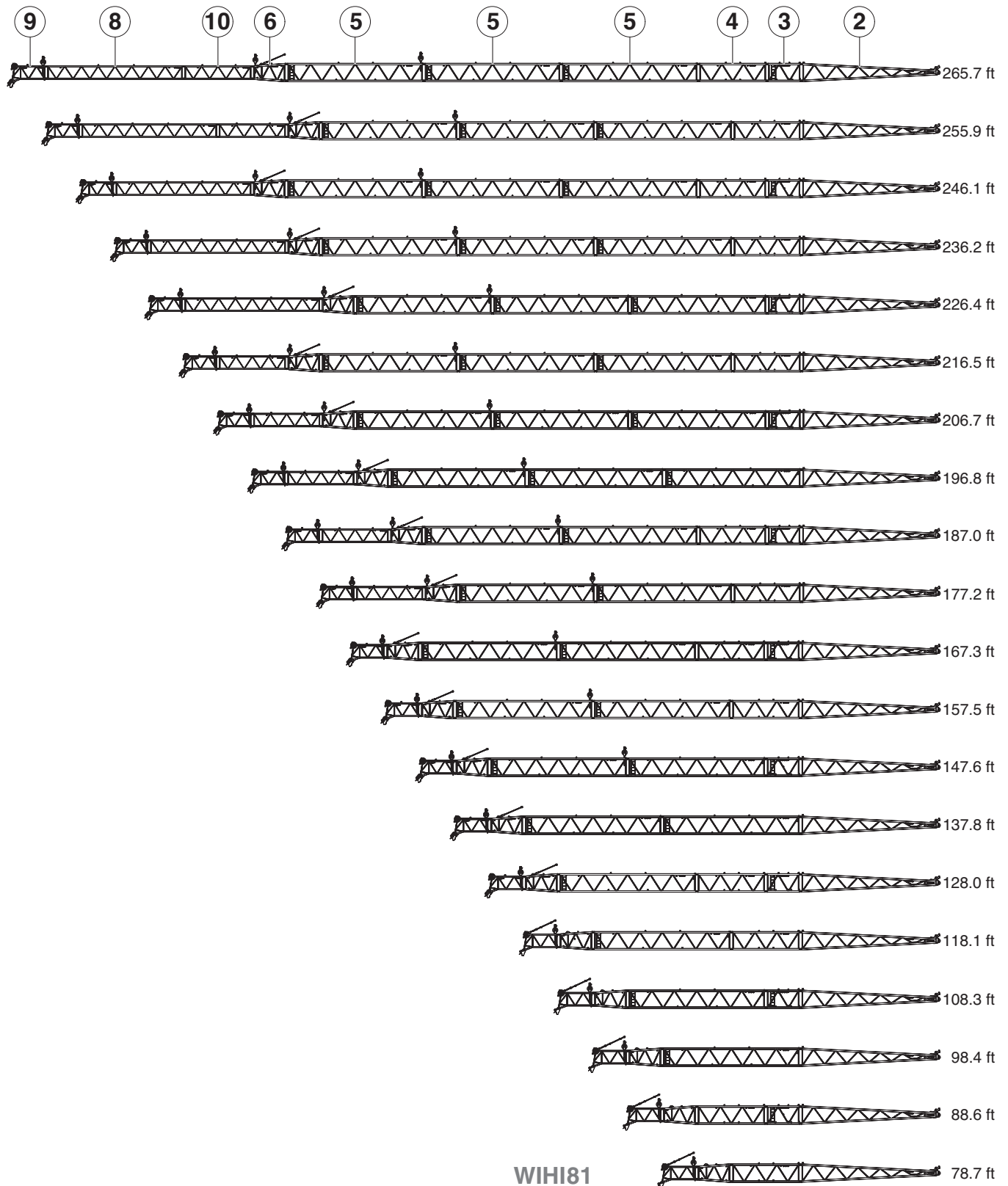


12,600



Transportation

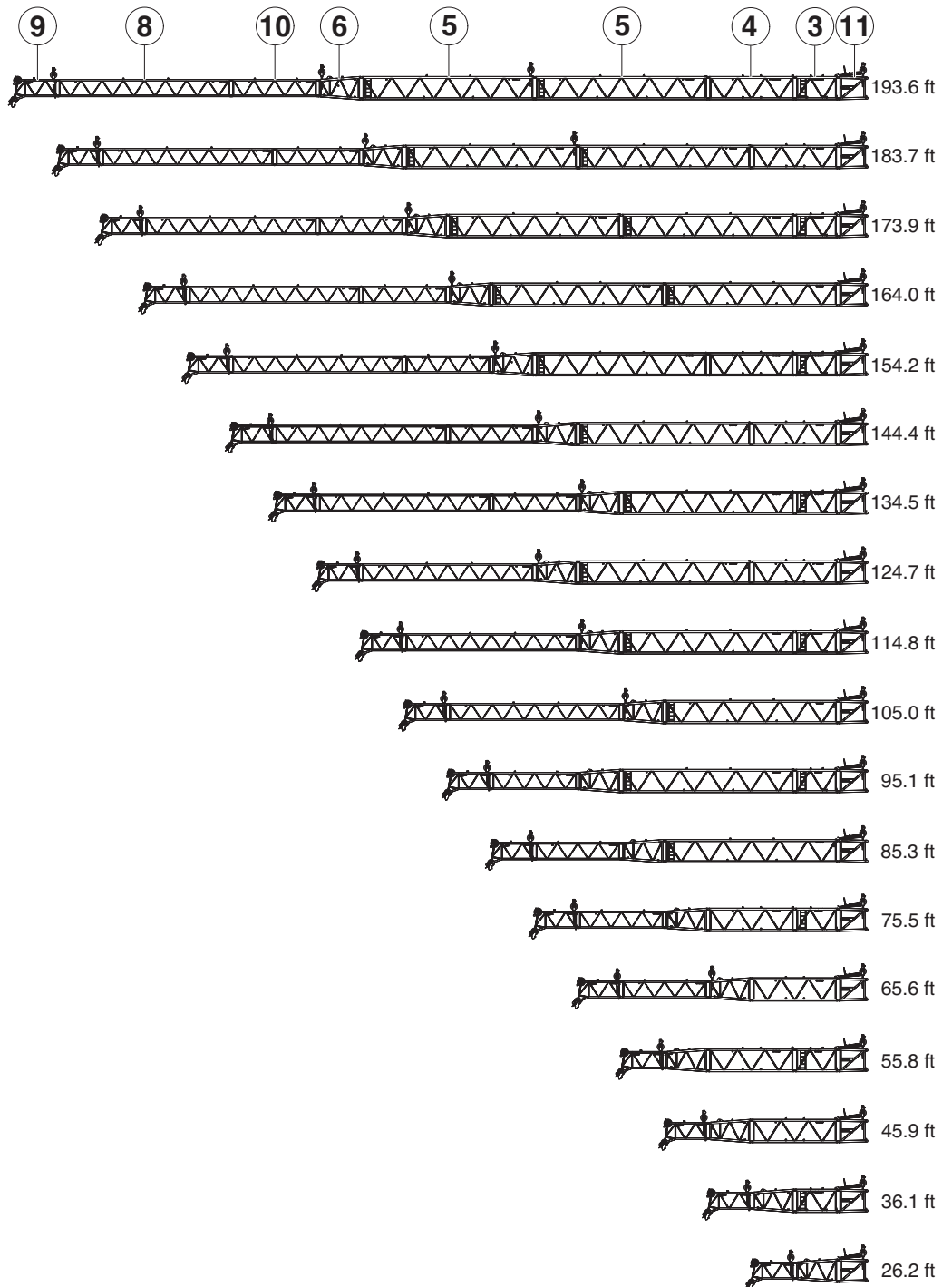
Jib



Transportation

Jib

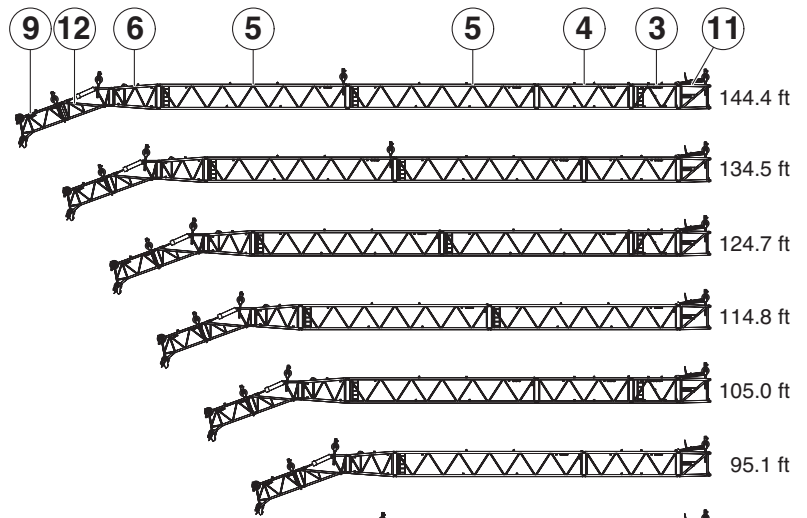
LF59



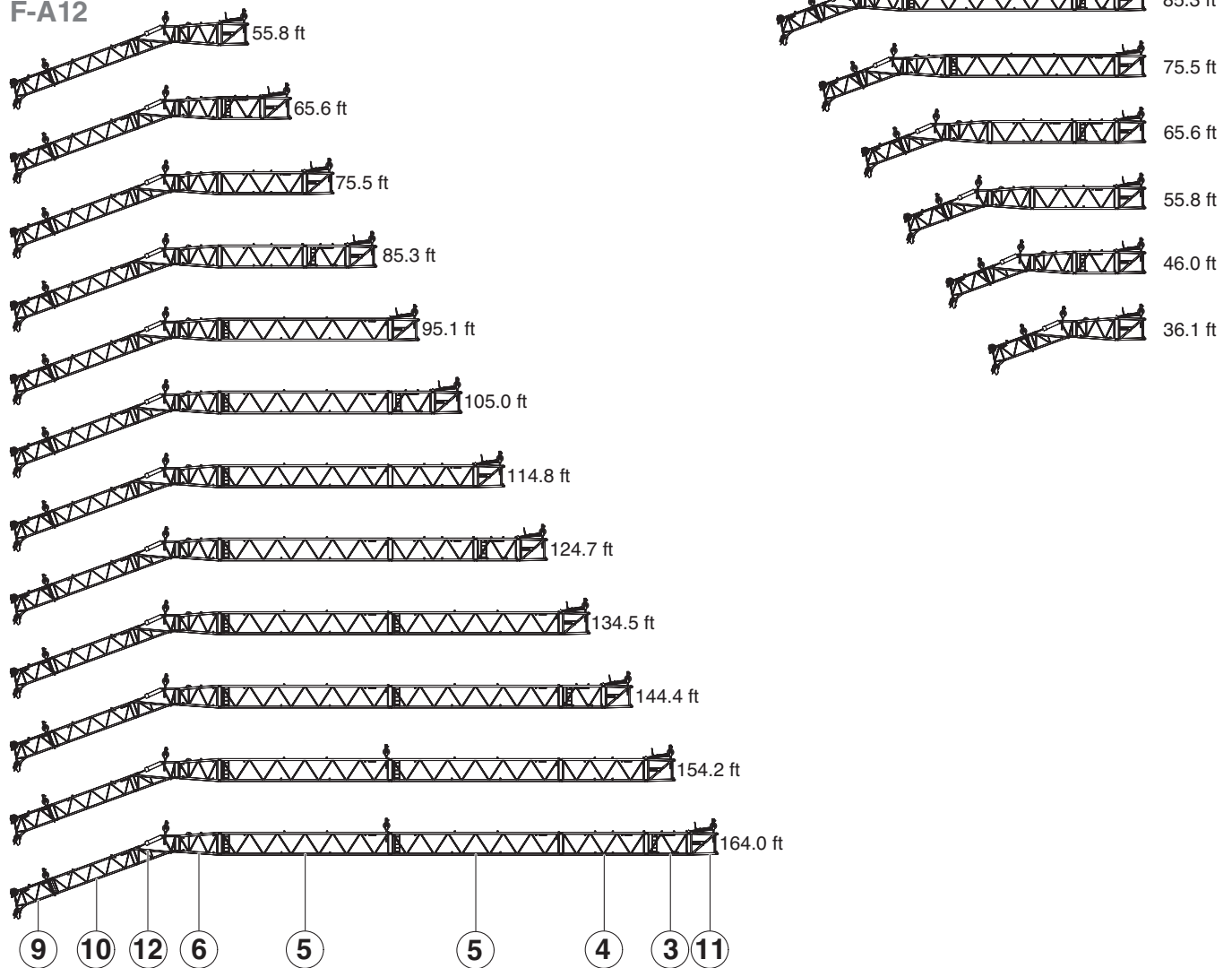
Transportation

Jib

F-A06



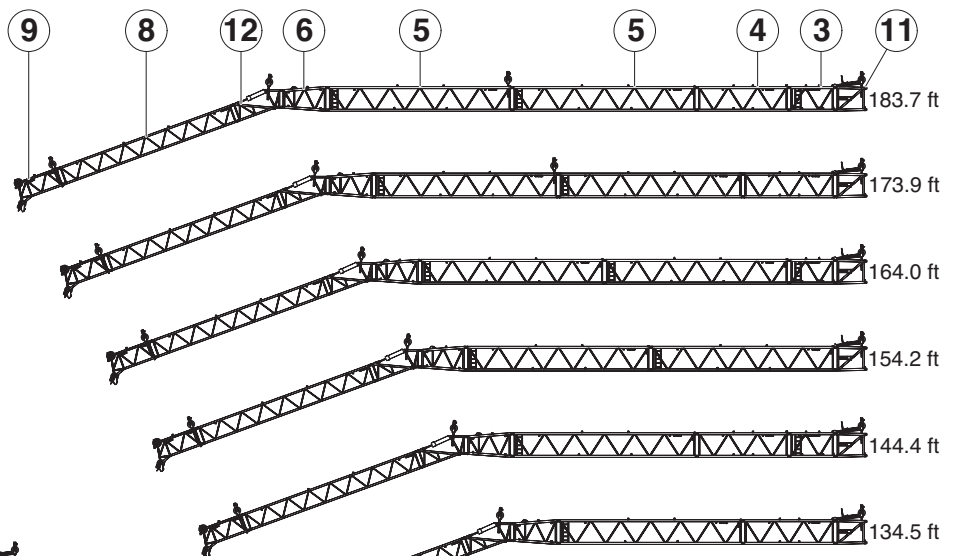
F-A12



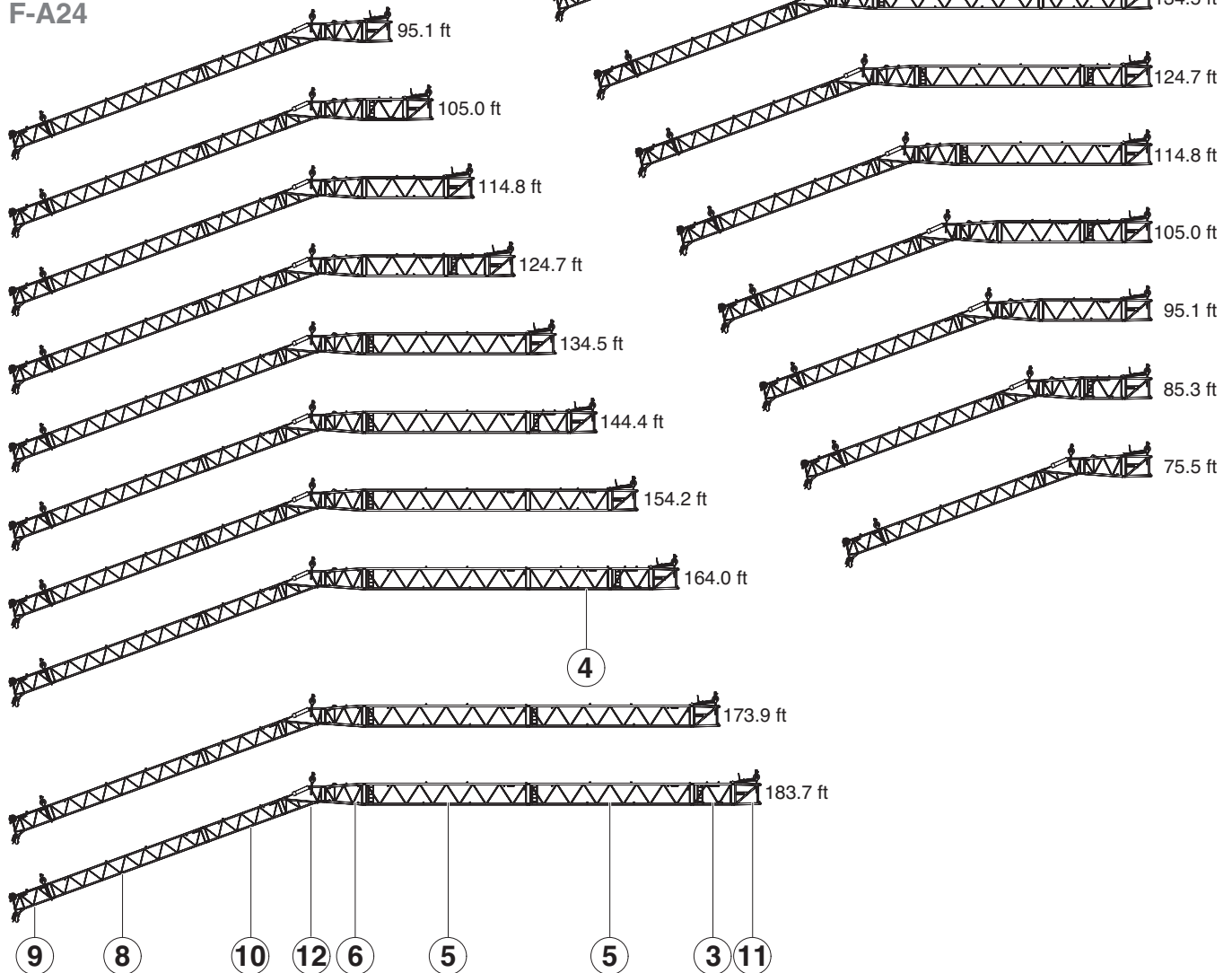
Transportation

Jib

F-A18



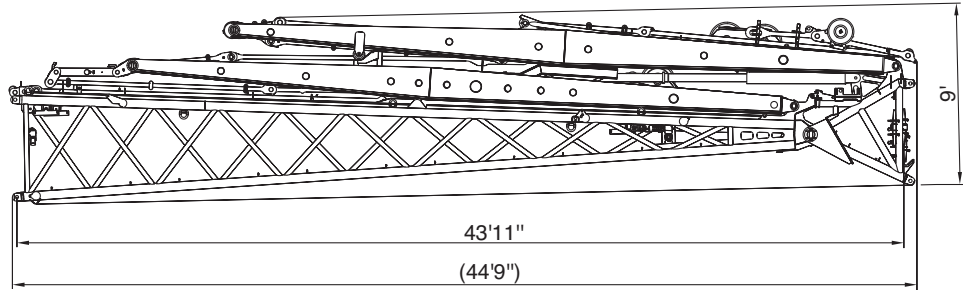
F-A24



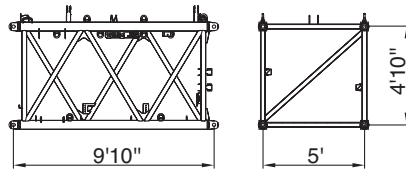
Transportation

Jib

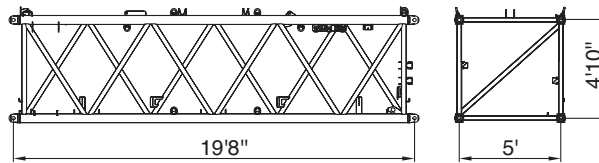
- 1  lbs
- 2 14,600



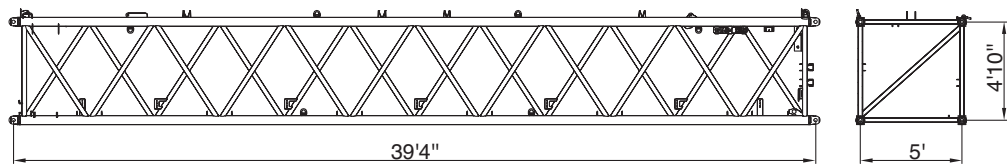
- 3  lbs
- 1,450



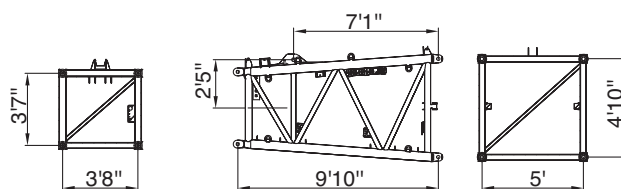
- 4  lbs
- 2,350



- 5  lbs
- 3,900



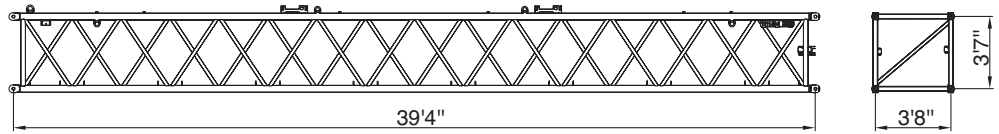
- 6  lbs
- 1,800



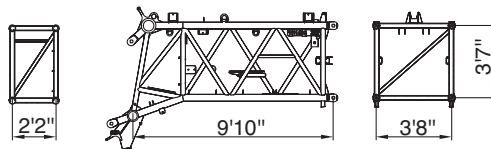
Transportation

Jib

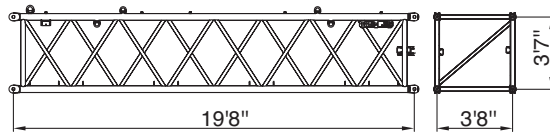
8  2,750



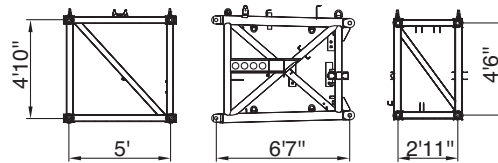
9  2,400




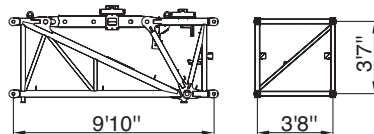
10  1,500



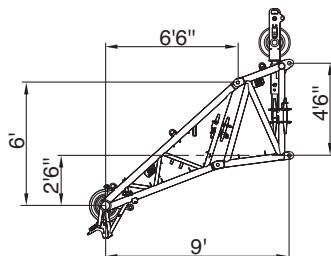
11  1,800



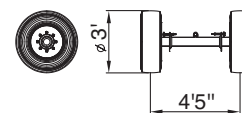
12  1,950
3,100 (HY)



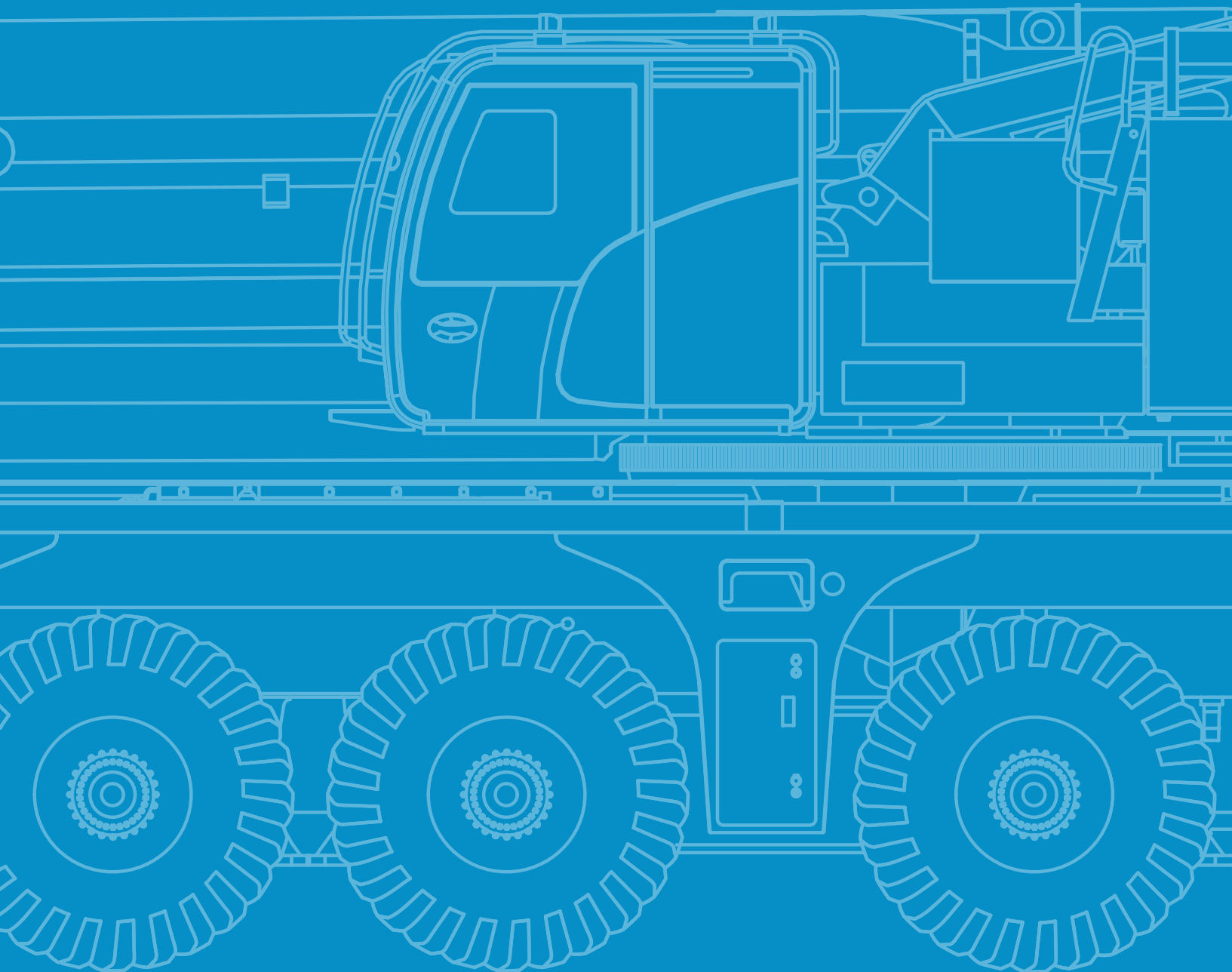
 1,050



 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



1

426.5 ft/min

26,078 lbf

0.92"

1427 ft

2

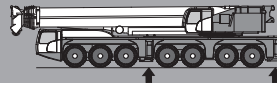
426.5 ft/min

26,078 lbf

0.92"

1854 ft

Outrigger cylinders



308,700 lbs

324,100 lbs



23.6"

26"

Hook Blocks



26,500 lbs

26,000 lbs

—

1

1,100

6.6 ft

88,200 lbs

77,400 lbs

1

3

1,980

8.9 ft

176,400 lbs

177,100 lbs

3

7

2,650

9.8 ft

275,600 lbs

272,800 lbs

5

11

3,100

9.8 ft

352,800 lbs

342,000 lbs

7

14

4,190

9.8 ft

441,000 lbs

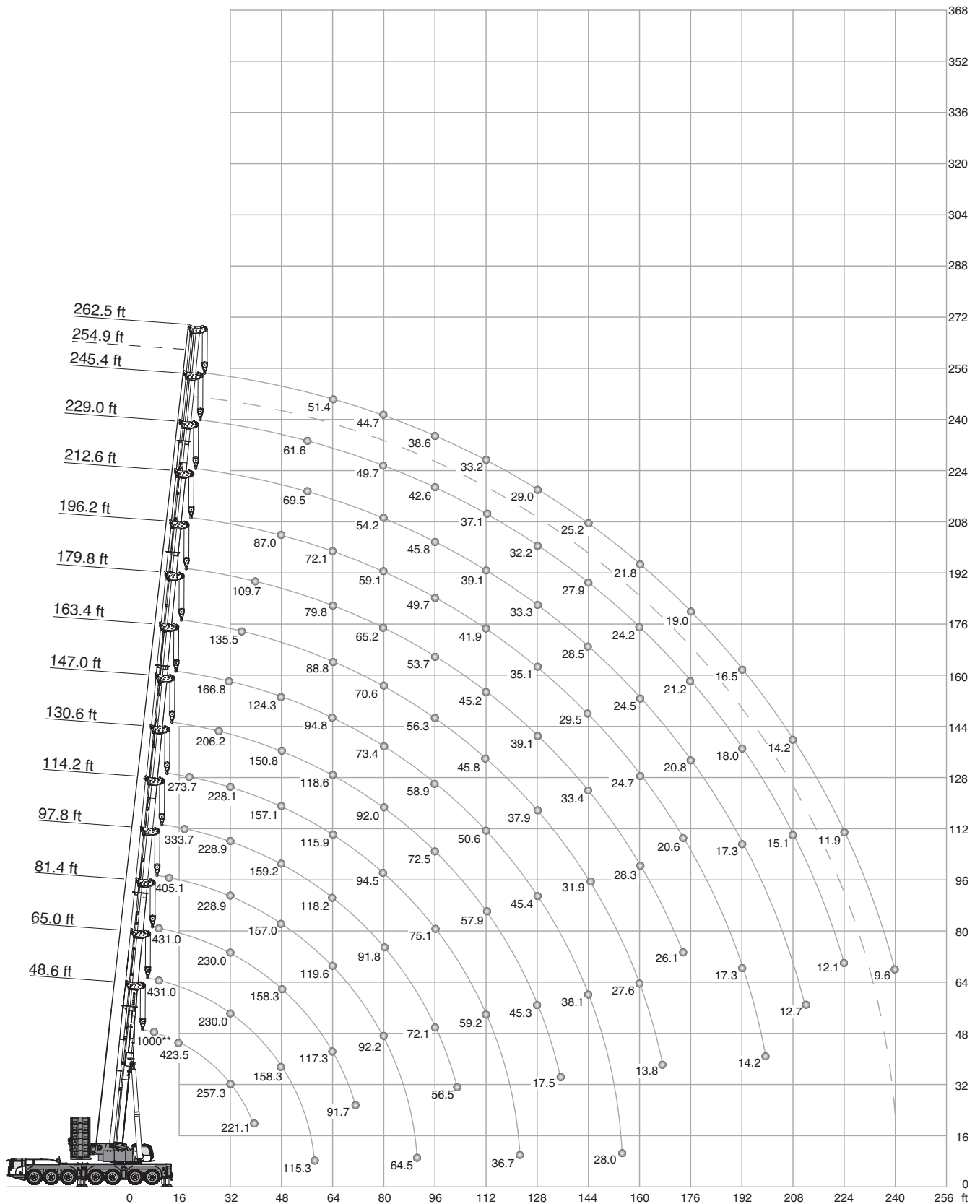
431,000 lbs

9

18

4,410

9.8 ft



** Max. crane capacity – with additional special equipment

Operation

HA

330,700 lbs		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 lbs																		ft
8	1000.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
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	416.3 ²⁾	417.5 ²⁾	416.3 ²⁾	405.1 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	14
16	423.5	382.7 ²⁾	384.9 ²⁾	384.1 ²⁾	383.8 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	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	28.5	26.1	120
128	-	-	-	-	-	-	-	45.3	45.4	37.9	39.1	35.1	33.3	32.2	30.0	29.0	26.6	24.2	128
136	-	-	-	-	-	-	-	36.1	42.2	34.5	36.3	32.3	30.7	29.9	27.8	27.1	24.7	22.3	136
144	-	-	-	-	-	-	-	17.5	38.1	31.9	33.4	29.5	28.5	27.9	25.9	25.2	22.8	20.4	144
152	-	-	-	-	-	-	-	-	28.0	29.5	30.9	27.0	26.4	25.8	24.0	23.4	21.0	18.6	152
160	-	-	-	-	-	-	-	-	24.2	27.6	28.3	24.7	24.5	24.2	22.4	21.8	19.4	17.0	160
168	-	-	-	-	-	-	-	-	-	14.7	26.1	22.6	22.7	22.6	20.9	20.4	18.0	15.6	168
176	-	-	-	-	-	-	-	-	-	13.8	24.1	20.6	20.8	21.2	19.4	19.0	16.6	14.2	176
184	-	-	-	-	-	-	-	-	-	-	-	19.1	19.0	19.6	18.0	17.7	15.3	13.7	184
192	-	-	-	-	-	-	-	-	-	-	-	17.3	17.3	18.0	16.7	16.5	14.3	11.9	192
200	-	-	-	-	-	-	-	-	-	-	-	14.2	16.3	16.5	15.5	15.3	13.1	10.7	200
208	-	-	-	-	-	-	-	-	-	-	-	11.2	14.7	15.1	14.2	14.2	12.0	9.8	208
216	-	-	-	-	-	-	-	-	-	-	-	10.4	12.7	13.8	12.9	13.1	10.7	8.3	216
224	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	11.8	11.9	9.3	7.4	224
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.6	10.7	8.3	6.9	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	9.6	7.4	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)  286,600 lbs

* over rear






** Max. crane capacity – with additional special equipment

Operation



















HA

 330,700 lbs		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5										
		<div style="text-align: center;">(ft)</div>																
		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 lbs														ft		
10		431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12		431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14		417.5 ²⁾	418.6 ²⁾	417.5 ²⁾	405.1 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	14
16		384.9 ²⁾	387.1 ²⁾	385.7 ²⁾	385.4 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	16
18		360.0 ³⁾	362.2 ³⁾	361.1 ³⁾	358.8 ³⁾	333.7 ³⁾	-	-	-	-	-	-	-	-	-	-	-	18
20		337.0 ⁴⁾	338.2 ⁴⁾	338.1 ⁴⁾	336.0 ⁴⁾	322.1 ⁴⁾	273.7 ⁴⁾	-	-	-	-	-	-	-	-	-	-	20
24		293.4 ⁴⁾	295.6 ⁴⁾	294.9 ⁴⁾	293.8 ⁴⁾	285.6 ⁴⁾	263.6 ⁴⁾	-	-	-	-	-	-	-	-	-	-	24
28		261.5 ⁵⁾	263.7 ⁵⁾	263.7 ⁵⁾	262.0 ⁵⁾	257.8 ⁵⁾	248.6 ⁵⁾	206.2 ⁵⁾	-	-	-	-	-	-	-	-	-	28
32		232.5 ⁵⁾	235.5 ⁵⁾	235.5 ⁵⁾	233.6 ⁵⁾	231.4 ⁵⁾	228.9 ⁵⁾	192.8 ⁵⁾	166.8 ⁵⁾	-	-	-	-	-	-	-	-	32
36		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 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 lbs
- 3)  242,500 lbs
- 4)  264,600 lbs
- 5)  286,600 lbs
- 6)  308,700 lbs

Operation

 264,600 lbs		 19.7 ft (XL)		 27.0 ft x 27.7 ft								360°				ASME B30.5																	
 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																																ft	
10	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12	431.0 ²⁾	431.0 ²⁾	431.0 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14	417.5 ²⁾	418.6 ²⁾	417.5 ²⁾	405.1 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16	384.9 ²⁾	387.1 ²⁾	385.7 ²⁾	385.4 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
18	360.0 ³⁾	362.2 ³⁾	361.1 ³⁾	358.8 ³⁾	333.7 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
20	337.0	338.2	338.1	336.0	322.1	273.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
24	293.4	295.6	294.9	293.8	285.6	263.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24		
28	258.7	260.9	260.9	259.8	256.6	248.6	206.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
32	230.3	232.5	232.5	231.4	229.2	228.9	192.8	166.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32		
36	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	47.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	40.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	38.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88		
96	-	-	-	-	69.3	67.2	64.3	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	36.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96		
104	-	-	-	-	56.1	59.5	56.7	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	34.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104		
112	-	-	-	-	-	53.0	50.2	50.5	45.8	45.2	41.9	39.1	37.1	34.7	33.2	31.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112		
120	-	-	-	-	-	36.7	44.9	47.1	41.4	42.1	38.3	36.0	34.5	32.3	30.9	29.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120		
128	-	-	-	-	-	-	41.5	42.3	37.1	39.1	35.1	33.3	32.2	30.0	29.0	27.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128		
136	-	-	-	-	-	-	36.1	38.3	34.3	36.2	32.3	30.7	29.9	27.8	27.1	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136		
144	-	-	-	-	-	-	17.5	34.6	31.0	32.6	29.5	28.5	27.9	25.9	25.2	23.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	144		
152	-	-	-	-	-	-	-	28.0	28.5	29.1	26.7	26.4	25.8	24.0	23.4	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152		
160	-	-	-	-	-	-	-	24.2	27.6	26.3	23.8	24.5	24.2	22.4	21.8	20.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160		
168	-	-	-	-	-	-	-	-	14.7	23.6	21.8	22.4	22.6	20.9	20.4	18.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168		
176	-	-	-	-	-	-	-	-	13.8	21.5	20.3	20.0	21.2	19.4	19.0	17.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	9.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	224		
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	232		
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	7.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240		
1)	73.6	53.4	41.0	32.0	25.6	19.8	15.7	11.2	7.7	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1)		

1) Capacities with horizontal boom

2)  220,500 lbs

3)  242,500 lbs

Operation
















HA

☰ 132,300 lbs		☰ 19.7 ft (XL)		☷ 27.0 ft x 27.7 ft		360°		ASME B30.5											
🔧		🔧		(ft)				🔧											
ft		48.6	65.0	81.4	97.8	114.2	130.6	147.0	163.4	179.8	196.2	212.6	229.0	245.4	254.9	262.5	ft		
		1,000 lbs																	
10	431.0	431.0	431.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	426.8	427.2	426.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14	401.9	403.0	402.0	396.2	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
16	368.1	370.0	369.2	368.1	-	-	-	-	-	-	-	-	-	-	-	-	-	16	
18	340.1	342.3	341.8	340.7	329.4	-	-	-	-	-	-	-	-	-	-	-	-	18	
20	314.1	316.3	316.3	315.2	313.0	273.7	-	-	-	-	-	-	-	-	-	-	-	20	
24	272.1	274.7	274.7	273.6	271.8	255.3	-	-	-	-	-	-	-	-	-	-	-	24	
28	232.9	235.9	236.5	235.0	230.8	214.0	202.4	-	-	-	-	-	-	-	-	-	-	28	
32	198.0	201.5	201.8	204.7	194.5	185.6	176.9	164.1	-	-	-	-	-	-	-	-	-	32	
36	169.3	175.9	173.7	175.2	168.1	164.7	153.7	144.0	135.5	-	-	-	-	-	-	-	-	36	
40	-	145.1	146.8	146.2	150.2	142.4	132.5	125.8	118.0	109.4	-	-	-	-	-	-	-	40	
48	-	108.0	108.2	112.8	111.7	109.3	104.1	98.3	94.9	91.9	86.2	-	-	-	-	-	-	48	
56	-	83.2	86.0	86.7	85.6	83.2	83.2	82.2	78.0	76.1	71.5	69.3	61.6	57.7	-	-	-	56	
64	-	68.3	68.5	69.1	68.0	68.0	68.6	67.5	65.1	62.9	61.5	58.4	57.2	54.9	51.4	-	-	64	
72	-	-	56.0	56.3	56.1	57.8	56.6	54.7	54.4	54.0	52.8	52.0	48.5	47.4	47.1	-	-	72	
80	-	-	-	47.1	49.7	48.6	47.9	46.5	46.0	45.9	46.4	44.1	41.1	39.9	39.9	-	-	80	
88	-	-	-	41.4	42.4	41.3	40.6	40.4	40.0	40.2	39.1	37.1	34.5	33.3	33.2	-	-	88	
96	-	-	-	-	36.5	35.4	36.1	34.5	35.2	34.3	33.0	30.9	28.7	27.6	27.6	-	-	96	
104	-	-	-	-	31.6	30.6	31.5	31.2	30.8	29.1	27.9	25.7	23.9	22.8	22.8	-	-	104	
112	-	-	-	-	-	28.5	27.3	27.4	26.5	24.9	23.6	21.6	19.6	18.8	19.0	-	-	112	
120	-	-	-	-	-	19.8	24.0	23.9	23.3	21.3	20.2	18.0	16.1	15.6	15.6	-	-	120	
128	-	-	-	-	-	-	21.7	20.7	20.2	18.2	17.1	14.9	13.1	12.8	12.8	-	-	128	
136	-	-	-	-	-	-	19.1	18.0	17.4	15.5	14.3	12.2	10.5	10.1	10.2	-	-	136	
144	-	-	-	-	-	-	17.0	15.7	15.1	13.1	12.0	9.8	8.0	7.8	7.8	-	-	144	
152	-	-	-	-	-	-	-	9.3	13.0	11.0	9.9	7.9	6.0	5.7	5.9	-	-	152	
160	-	-	-	-	-	-	-	7.6	11.2	9.3	8.1	6.0	-	-	-	-	-	160	
168	-	-	-	-	-	-	-	-	9.6	7.7	6.5	-	-	-	-	-	-	168	
176	-	-	-	-	-	-	-	-	8.2	6.4	5.1	-	-	-	-	-	-	176	
1)	73.6	53.4	41.0	32.0	25.6	19.8	15.7	11.2	7.7	4.0	-	-	-	-	-	-	-	1)	

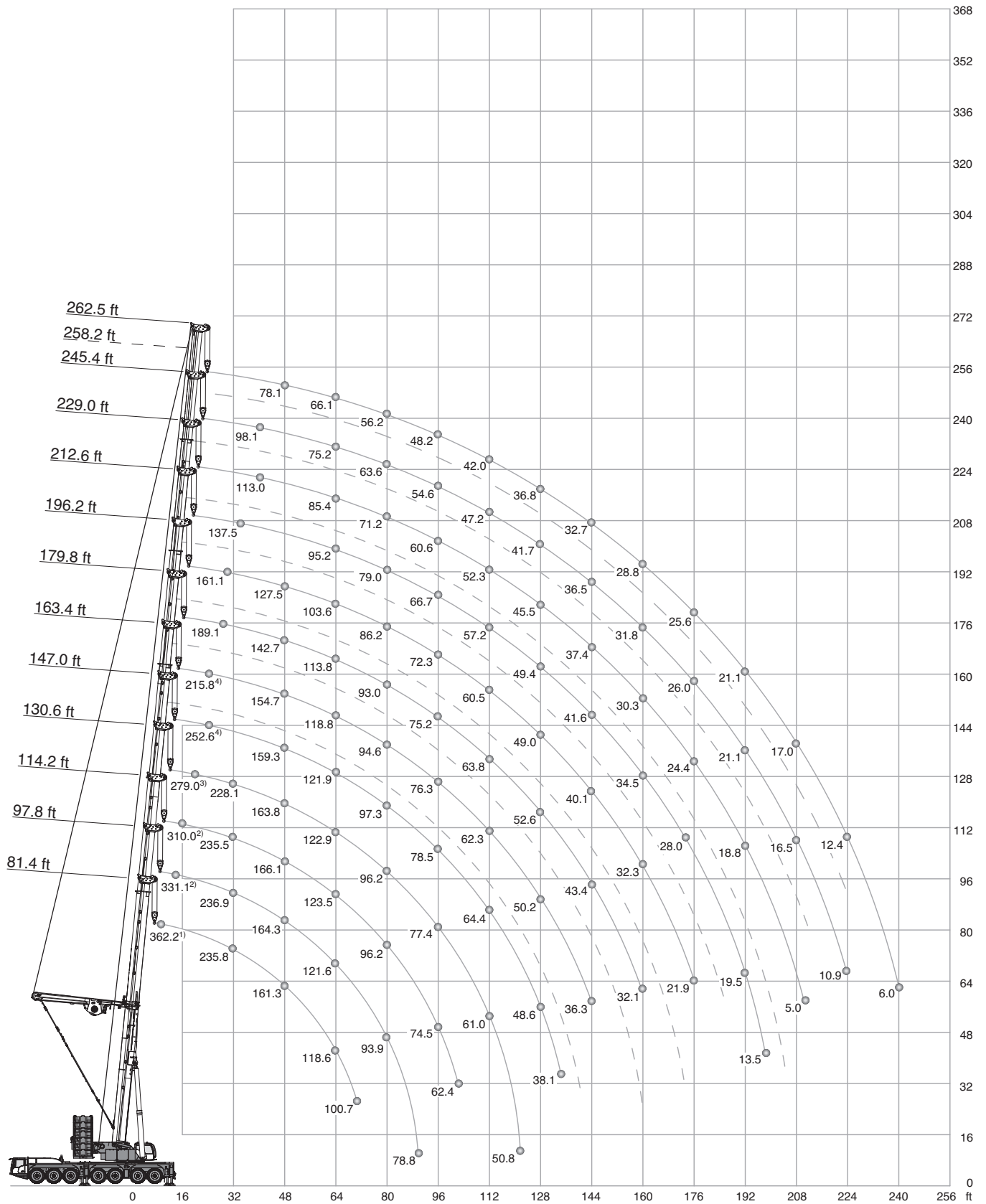
1) Capacities with horizontal boom

Operation

HA




 44,100 lbs		 19.7 ft (XL)		 27.0 ft x 27.7 ft				360°				ASME B30.5																			
 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		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft		ft					
10	431.0	431.0	431.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12	420.6	421.3	420.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14	382.6	384.8	384.8	374.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16	350.2	352.4	348.2	317.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
18	313.4	314.5	298.8	273.3	243.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
20	276.1	274.4	255.2	229.5	213.9	190.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
24	209.1	200.3	184.7	175.7	160.4	147.4	137.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24		
28	141.8	147.8	145.7	136.5	126.0	120.2	113.6	102.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
32	100.5	112.6	115.4	109.9	105.5	99.9	93.8	89.9	80.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32		
36	77.8	92.2	92.6	90.6	90.9	85.3	82.2	78.5	73.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36		
40	-	72.1	75.2	77.2	76.4	72.4	71.4	67.0	63.1	58.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40		
48	-	49.8	52.5	54.3	55.8	55.9	54.4	51.5	48.5	44.7	41.3	37.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48		
56	-	35.8	38.5	40.0	42.0	41.3	41.8	39.8	37.7	34.4	31.5	27.5	23.8	22.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56		
64	-	26.2	28.7	30.4	32.2	31.7	31.9	30.6	29.0	25.9	23.2	19.4	15.7	14.3	14.1	-	-	-	-	-	-	-	-	-	-	-	-	-	64		
72	-	-	21.7	23.1	25.1	24.4	24.8	23.3	22.2	19.3	16.9	13.4	10.0	8.7	8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	72		
80	-	-	-	17.8	19.6	19.1	19.3	18.0	17.0	14.4	12.2	8.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80		
88	-	-	-	13.8	15.3	14.8	15.0	13.7	12.9	10.5	8.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88		
96	-	-	-	-	11.9	11.5	11.6	10.2	9.7	7.4	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96		
104	-	-	-	-	9.2	8.7	8.7	7.6	6.9	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104		
112	-	-	-	-	-	6.3	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112		
1)	49.8	28.7	19.0	12.1	7.7	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1)		





1) Capacities with horizontal boom



Operation

HA-SSL

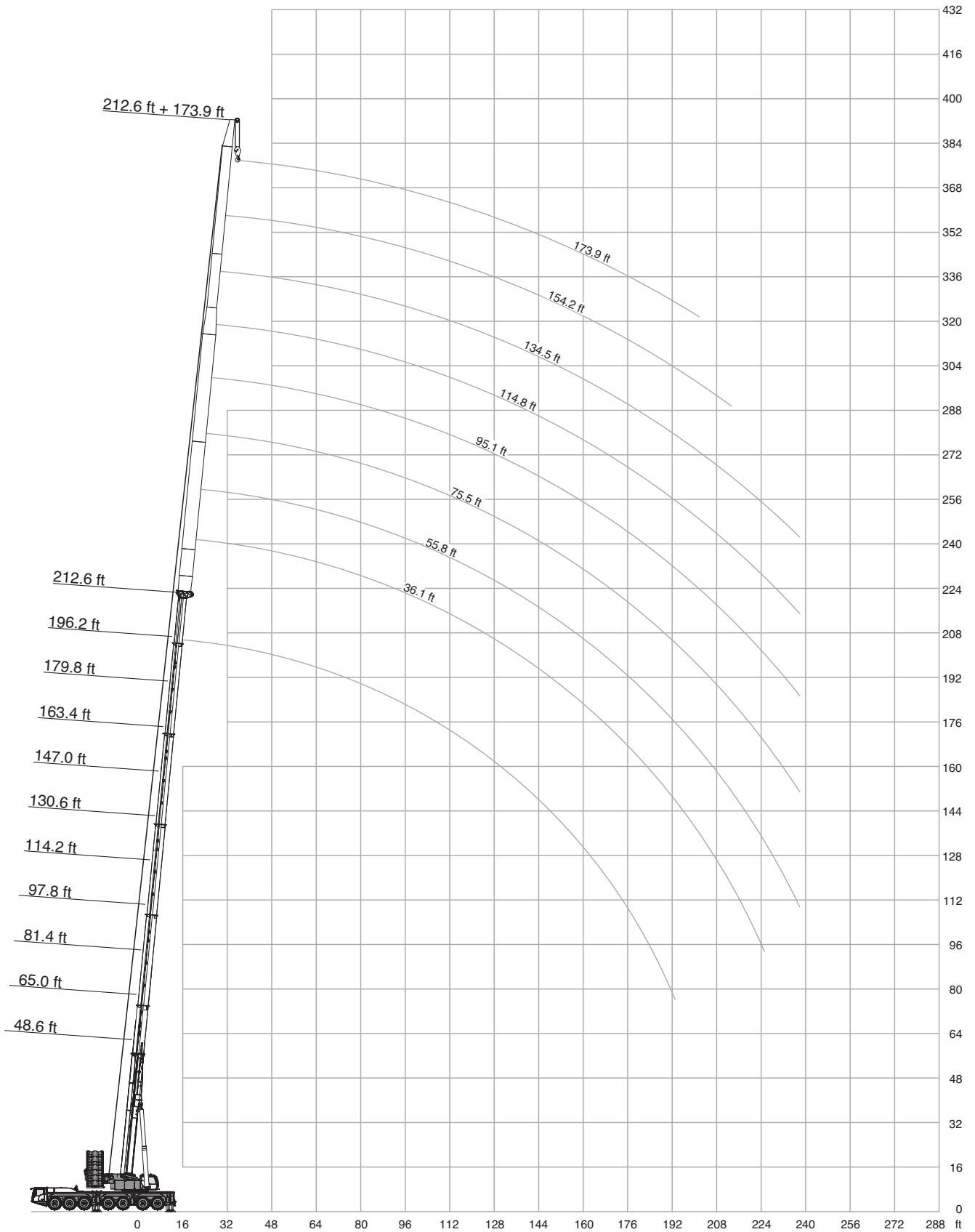
 330,700 lbs		 19.7 ft (XL)		 27.0 ft x 27.7 ft		360°		ASME B30.5												
(ft)																				
1,000 lbs																				
ft	81.4	97.8	114.2	130.6	147.0	152.6	163.4	171.6	179.8	186.0	196.2	204.4	212.6	218.8	229.0	237.2	245.4	258.2	262.5	ft
10	362.2 ¹⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
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	338.7 ²⁾ 319.8 ²⁾ 303.8 ²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
20	329.4 ³⁾ 313.1 ³⁾ 297.6 ³⁾ 279.0 ³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
24	294.5 ⁴⁾ 291.1 ⁴⁾ 279.6 ⁴⁾ 265.6 ⁴⁾ 252.6 ⁴⁾ 230.2 ⁴⁾ 215.8 ⁴⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
28	264.2	263.2	256.5	247.5	237.6	221.1	211.6	203.4	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	-	-	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)  242,500 lbs
- 2)  264,600 lbs
- 4)  286,600 lbs
- 4)  308,700 lbs

Operation







264,600 lbs		19.7 ft (XL)		27.0 ft x 27.7 ft		360°		ASME B30.5												
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
(ft)																				
ft	1,000 lbs																			ft
10	362.2 ¹⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	356.9 ¹⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	352.1	331.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
16	348.9	325.2	310.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
18	338.7	319.8	303.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
20	327.1	312.8	297.6	279.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
24	288.2	287.1	279.2	265.6	252.6	230.2	215.8	-	-	-	-	-	-	-	-	-	-	-	-	24
28	255.4	255.4	252.9	247.5	237.6	221.1	211.6	203.4	189.1	-	-	-	-	-	-	-	-	-	-	28
30	240.5	242.8	242.7	237.6	228.0	216.5	206.5	198.2	184.5	171.8	161.1	-	-	-	-	-	-	-	-	30
32	227.0	230.0	229.2	227.3	218.7	210.8	201.4	192.7	179.5	167.4	157.1	-	-	-	-	-	-	-	-	32
34	215.7	218.8	219.3	217.6	210.9	204.3	195.8	187.2	174.6	163.0	153.1	145.2	137.5	124.8	-	-	-	-	-	34
36	205.9	208.6	210.0	207.3	203.0	197.2	189.9	181.7	169.7	158.7	149.2	141.7	134.4	121.8	-	-	-	-	-	36
40	185.8	188.4	190.2	187.9	185.8	181.7	178.1	171.2	160.4	150.4	141.7	134.7	128.2	120.8	113.0	105.5	98.1	-	-	40
48	155.5	158.4	160.1	159.3	155.5	155.8	153.1	150.9	142.7	134.5	127.5	121.6	116.1	109.9	103.0	96.3	89.7	81.4	78.1	48
56	132.4	135.2	137.1	136.4	135.7	132.8	132.8	130.2	127.5	120.7	114.7	109.8	105.1	99.7	93.7	88.0	82.1	74.8	71.8	56
64	112.6	116.1	118.3	118.1	117.4	116.2	114.3	114.9	112.6	108.5	103.6	99.3	95.2	90.6	85.4	80.4	75.2	68.8	66.1	64
72	95.8	99.6	101.6	101.5	102.8	103.0	100.4	100.5	98.4	97.2	94.1	90.1	86.4	82.2	77.8	73.6	69.1	63.2	61.0	72
80	-	86.4	88.6	88.4	89.7	89.9	87.3	88.2	87.4	85.5	84.1	81.9	79.0	75.3	71.2	67.5	63.6	58.4	56.2	80
88	-	75.4	77.9	77.6	79.0	79.2	76.5	77.3	78.3	77.4	74.9	73.6	71.5	69.3	65.5	62.1	58.7	53.9	52.0	88
96	-	56.1	68.7	68.4	69.6	69.9	67.3	67.9	68.9	69.1	65.5	66.2	65.0	62.5	60.6	57.5	54.6	49.9	48.2	96
104	-	-	59.1	60.5	61.6	61.8	59.2	59.8	60.7	60.9	57.4	58.2	58.8	58.3	54.6	53.2	50.7	46.5	44.9	104
112	-	-	-	53.7	54.8	55.0	52.4	53.2	54.1	54.1	50.6	51.5	52.1	52.4	47.9	48.6	47.2	43.3	42.0	112
120	-	-	-	47.9	49.1	49.5	46.9	47.5	48.4	48.6	45.0	45.8	46.4	46.6	41.9	42.6	43.7	40.4	39.3	120
128	-	-	-	36.3	44.3	44.6	42.0	42.6	43.5	43.5	39.9	40.8	41.4	41.6	36.8	37.5	38.6	37.7	36.8	128
136	-	-	-	-	37.4	40.4	37.6	38.2	39.1	39.3	35.4	36.2	36.9	37.1	32.3	32.9	34.0	33.8	33.9	136
144	-	-	-	-	-	30.1	33.7	34.3	35.2	35.2	31.3	32.1	32.8	33.2	28.2	28.8	29.9	29.7	29.9	144
152	-	-	-	-	-	-	-	30.7	31.8	31.8	27.8	28.7	29.3	29.5	24.7	25.4	26.5	26.2	26.5	152
160	-	-	-	-	-	-	-	22.9	28.6	28.8	24.9	25.5	26.3	26.4	21.6	22.2	23.3	23.1	23.3	160
168	-	-	-	-	-	-	-	-	-	24.9	22.2	22.8	23.6	23.6	19.0	19.5	20.6	20.3	20.6	168
176	-	-	-	-	-	-	-	-	-	20.1	19.8	20.4	21.1	21.1	16.5	16.9	18.0	17.8	18.0	176
184	-	-	-	-	-	-	-	-	-	-	-	17.5	18.9	18.9	14.3	14.7	15.8	15.6	15.7	184
192	-	-	-	-	-	-	-	-	-	-	-	-	16.2	16.8	12.2	12.6	13.7	13.5	13.5	192
200	-	-	-	-	-	-	-	-	-	-	-	-	-	12.6	15.1	10.3	10.9	11.8	11.6	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	7.8	9.2	10.1	9.9	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	4.8	7.6	8.5	216
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	6.9	224


1) 242,500 lbs



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	
ft									
1,000 lbs									
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

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

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 lbs										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

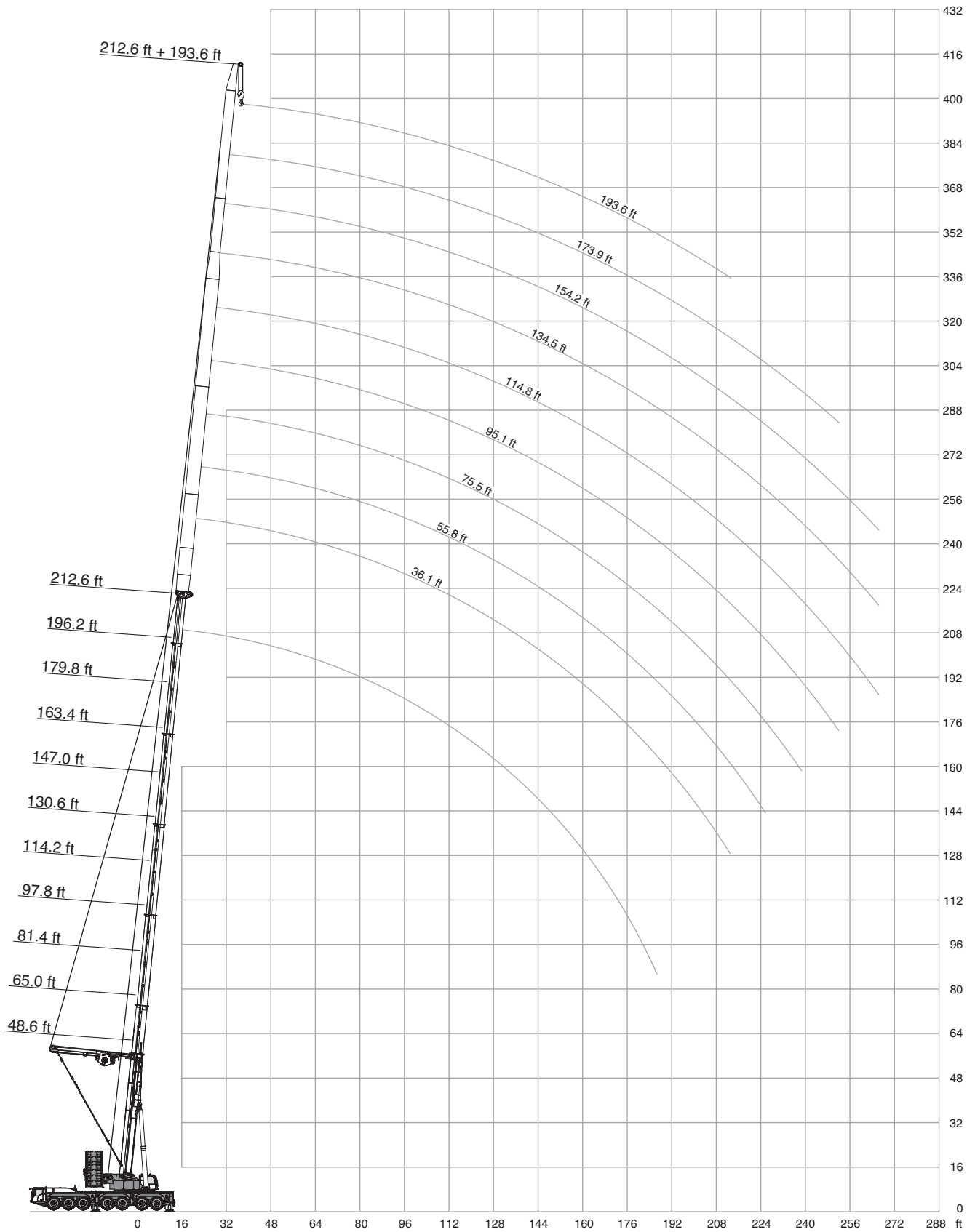
	110,200 lbs	132,300 lbs	154,300 lbs	176,400 lbs	198,400 lbs
	220,500 lbs	242,500 lbs	264,600 lbs	286,600 lbs	

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 lbs														ft		
64	37.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
72	36.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72
80	35.1	29.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80
88	32.5	27.5	22.7	18.5	15.2	-	-	-	-	-	-	-	-	-	-	-	88
96	30.2	25.5	20.8	18.0	15.2	-	-	-	-	-	-	-	-	-	-	-	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

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



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	
ft	1,000 lbs																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	17.4	-	-	-	-	-	-	-	80
88	65.9	58.6	46.5	37.9	31.7	27.1	23.3	19.2	16.2	15.0	-	-	-	-	-	-	88
96	59.8	54.1	43.9	35.5	29.7	25.3	21.7	17.8	15.0	13.8	12.7	-	-	-	-	-	96
104	54.4	49.7	41.5	33.5	27.8	23.6	20.0	16.5	13.8	12.7	11.9	10.9	10.1	9.3	-	-	104
112	49.8	45.9	39.1	31.4	26.4	22.2	18.7	15.4	12.7	11.9	11.9	10.9	10.1	9.3	8.5	-	112
120	46.1	42.4	36.8	29.6	24.8	20.9	17.6	14.3	11.9	11.9	11.9	10.9	10.1	9.3	8.5	-	120
128	42.8	39.1	34.6	28.0	23.3	19.7	16.5	13.2	10.9	10.9	10.9	10.1	9.3	8.5	8.0	-	128
136	38.7	36.3	32.6	26.4	21.9	18.5	15.5	12.3	10.1	10.1	10.1	9.3	8.5	8.0	7.4	-	136
144	34.4	33.6	30.7	25.0	20.8	17.5	14.6	11.5	9.3	9.3	9.3	8.5	8.0	7.4	6.7	-	144
152	30.6	31.2	28.8	23.9	19.7	16.4	13.6	10.7	8.5	8.5	8.5	8.0	7.4	6.7	6.2	-	152
160	27.2	28.3	27.0	22.8	18.6	15.5	12.8	10.1	8.0	8.0	8.0	7.4	6.7	6.2	5.6	-	160
168	24.1	25.3	25.2	21.8	17.7	14.7	11.9	9.4	7.4	7.4	7.4	6.7	6.2	5.6	5.2	-	168
176	21.2	22.5	23.4	20.9	16.9	14.0	11.1	8.9	6.7	6.7	6.7	6.2	5.6	5.2	4.8	-	176
184	17.2	20.0	21.1	19.8	16.2	13.3	10.6	8.4	6.2	6.2	6.2	5.6	5.2	4.8	4.4	-	184
192	12.7	17.4	18.7	18.6	15.5	12.6	10.0	7.8	5.6	5.6	5.6	5.2	4.8	4.4	4.0	-	192
200	7.2	14.2	16.6	17.2	14.8	12.0	9.3	7.3	5.2	5.2	5.2	4.8	4.4	4.0	3.6	-	200
208	-	10.5	14.3	15.5	14.2	11.4	8.8	6.7	4.8	4.8	4.8	4.4	4.0	3.6	3.2	-	208
216	-	6.4	11.8	13.6	13.5	10.8	8.4	6.2	4.4	4.4	4.4	4.0	3.6	3.2	2.8	-	216
224	-	-	8.8	11.7	12.6	10.4	7.9	5.8	4.0	4.0	4.0	3.6	3.2	2.8	2.4	-	224
232	-	-	-	9.6	11.5	10.0	7.4	5.4	3.6	3.6	3.6	3.2	2.8	2.4	2.0	-	232
240	-	-	-	7.1	10.0	9.4	7.1	5.0	3.2	3.2	3.2	2.8	2.4	2.0	1.6	-	240
248	-	-	-	-	8.1	8.6	6.8	5.0	2.8	2.8	2.8	2.4	2.0	1.6	1.2	-	248
256	-	-	-	-	-	7.7	6.4	5.0	2.4	2.4	2.4	2.0	1.6	1.2	0.8	-	256
264	-	-	-	-	-	5.9	6.0	5.0	2.0	2.0	2.0	1.6	1.2	0.8	0.4	-	264

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

Operation













LF-SSL











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

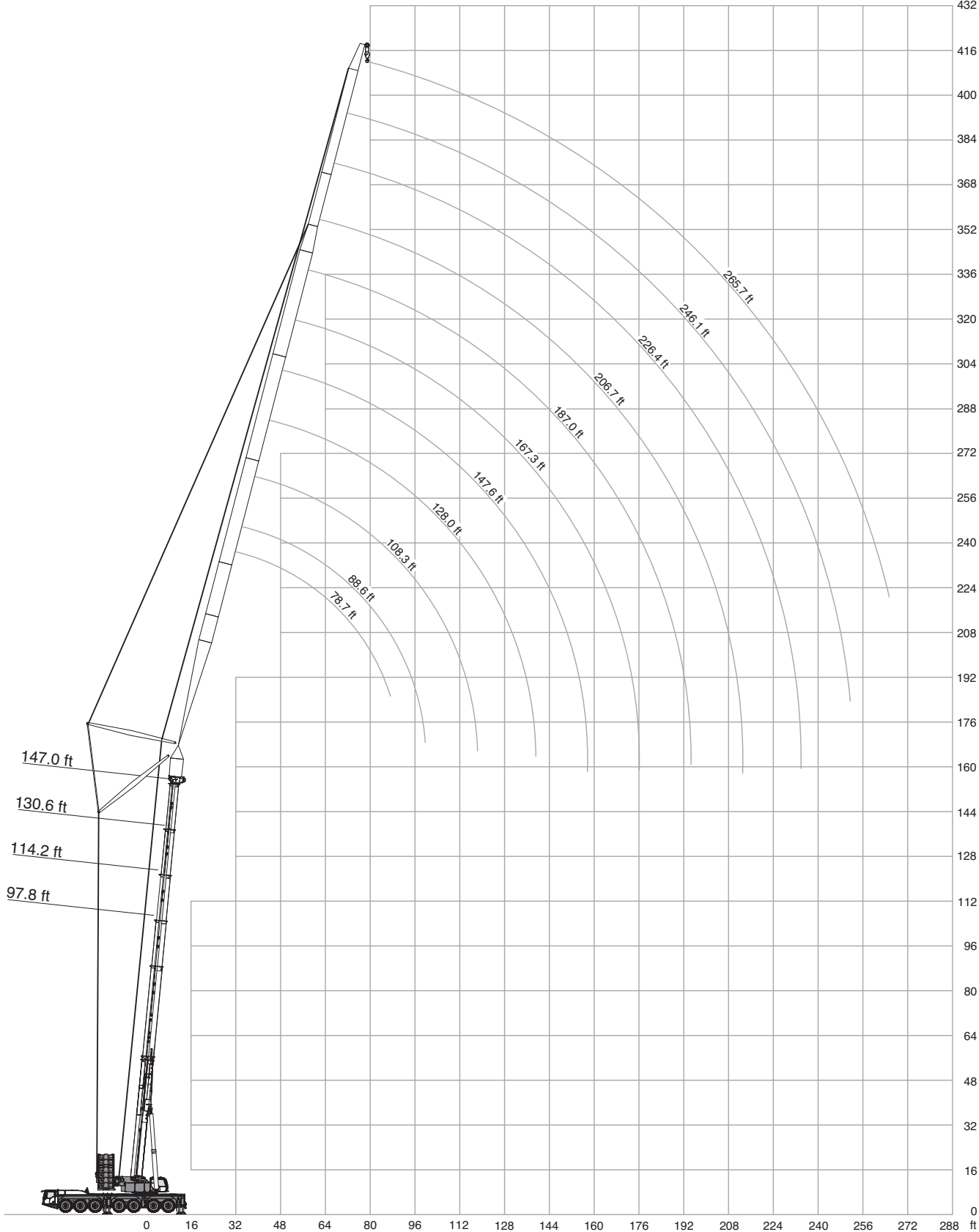
	132,300 lbs	154,300 lbs	176,400 lbs	198,400 lbs	220,500 lbs
	242,500 lbs	264,600 lbs	286,600 lbs	308,700 lbs	330,700 lbs

Operation

LF-SSL

 245.4 ft		 19.7 ft (XL)		 27.0 ft x 27.0 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 lbs														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 lbs	 154,300 lbs	 176,400 lbs	 198,400 lbs	 220,500 lbs
 242,500 lbs	 264,600 lbs	 286,600 lbs	 308,700 lbs	 330,700 lbs



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

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

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 lbs													
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 lbs												
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 lbs
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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°					
										1,000 lbs											
ft																			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 lbs	154,300 lbs	176,400 lbs	198,400 lbs	220,500 lbs
	242,500 lbs	264,600 lbs	286,600 lbs	308,700 lbs	330,700 lbs

Operation

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

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

Operation

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

19.7 ft (XL)										360°			ASME B30.5						
147.0 ft										226.4 ft			246.1 ft			265.7 ft			
										84°			73°			65°			
ft										1,000 lbs									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 lbs	154,300 lbs	176,400 lbs	198,400 lbs	220,500 lbs
242,500 lbs	264,600 lbs	286,600 lbs	308,700 lbs	330,700 lbs

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

Operation

		19.7 ft (XL)			360°			ASME B30.5			
		163.4 ft									
		226.4 ft			246.1 ft						
		84°	73°	65°	84°	73°	65°				
		1,000 lbs									
ft											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 lbs
- 154,300 lbs
- 176,400 lbs
- 198,400 lbs
- 220,500 lbs
- 242,500 lbs
- 264,600 lbs
- 286,600 lbs
- 308,700 lbs
- 330,700 lbs

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

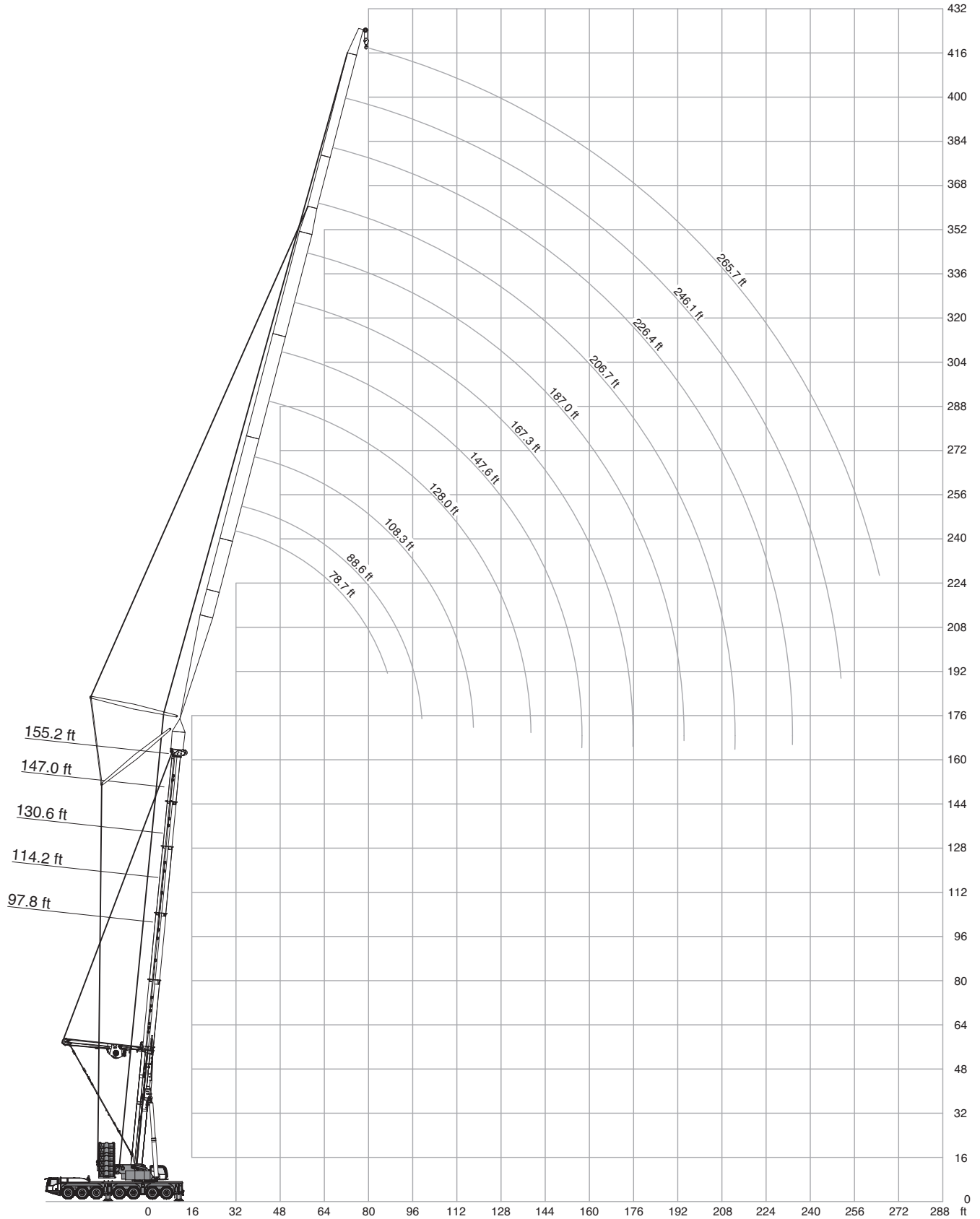
Operation

19.7 ft (XL)		360°		ASME B30.5	
179.8 ft		226.4 ft			
84°		73°		65°	
ft	1,000 lbs			ft	ft
104	6.2	-	-	104	104
112	6.2	-	-	112	112
120	6.2	-	-	120	120
128	6.2	-	-	128	128
136	6.2	-	-	136	136
144	6.2	-	-	144	144
152	6.2	-	-	152	152
160	6.2	-	-	160	160
168	6.2	-	-	168	168
176	6.2	-	-	176	176
184	6.2	-	-	184	184
192	6.2	-	-	192	192
200	6.2	-	-	200	200
208	6.2	-	-	208	208
216	6.2	-	-	216	216
224	6.2	-	-	224	224
232	6.2	-	-	232	232
240	6.2	-	-	240	240

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

Notes

A series of 20 horizontal lines providing space for handwritten notes.



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 lbs													
48	131.1	-	-	-	-	-	-	-	-	-	-	-	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	71.7	-	67.4	62.3	-	104
112	-	-	61.0	-	-	60.2	63.9	66.3	-	64.5	61.2	-	112
120	-	-	-	-	-	56.1	-	61.8	-	58.6	59.8	-	120
128	-	-	-	-	-	-	-	57.7	51.6	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 lbs													
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	50.0	-	43.4	-	-	37.0	-	-	30.2	-	-	112
120	54.1	49.0	-	42.9	40.5	-	36.5	-	-	29.9	-	-	120
128	51.9	48.3	-	42.3	39.7	-	36.0	34.1	-	29.3	-	-	128
136	48.4	47.7	-	41.6	39.0	-	35.8	33.4	-	28.9	27.7	-	136
144	44.5	47.4	42.9	40.6	38.4	-	35.5	32.9	-	28.7	26.9	-	144
152	40.5	45.9	40.5	39.2	38.1	36.1	35.2	32.3	-	28.4	26.6	-	152
160	-	43.3	38.0	37.0	37.9	35.5	34.4	31.9	-	28.1	26.1	-	160
168	-	40.9	35.9	34.2	37.9	34.6	33.6	31.6	29.9	27.6	25.7	-	168
176	-	-	34.0	-	37.6	32.9	32.1	31.5	29.4	27.0	25.4	22.9	176
184	-	-	-	-	35.7	31.0	29.7	31.5	29.1	26.4	25.1	22.5	184
192	-	-	-	-	-	29.2	-	31.5	28.4	25.3	25.1	22.2	192
200	-	-	-	-	-	27.7	-	31.1	26.9	23.8	25.1	21.9	200
208	-	-	-	-	-	-	-	29.6	25.5	21.7	25.1	21.8	208
216	-	-	-	-	-	-	-	-	24.1	-	25.1	21.8	216
224	-	-	-	-	-	-	-	-	-	-	25.0	21.7	224
232	-	-	-	-	-	-	-	-	-	-	-	20.6	232
240	-	-	-	-	-	-	-	-	-	-	-	19.6	240

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

19.7 ft (XL)										360°			ASME B30.5						
97.8 ft										226.4 ft			246.1 ft			265.7 ft			
										84°			73°			65°			
ft										1,000 lbs									ft
80	27.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80
88	26.7	-	-	-	21.2	-	-	-	-	-	-	-	-	-	-	-	-	-	88
96	26.4	-	-	-	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	21.6	-	-	18.3	-	-	-	-	15.4	-	-	-	-	-	-	-	-	152
160	23.3	21.2	-	-	17.9	17.1	-	-	-	15.1	-	-	-	-	-	-	-	-	160
168	22.7	20.8	-	-	17.5	16.8	-	-	-	14.9	14.2	-	-	-	-	-	-	-	168
176	22.1	20.5	-	-	17.2	16.4	-	-	-	14.6	13.9	-	-	-	-	-	-	-	176
184	21.6	20.5	-	-	16.7	16.1	-	-	-	14.3	13.7	-	-	-	-	-	-	-	184
192	20.8	20.2	19.1	-	16.5	15.9	-	-	-	14.1	13.4	-	-	-	-	-	-	-	192
200	20.3	20.0	18.9	-	16.1	15.7	-	-	-	13.9	13.1	-	-	-	-	-	-	-	200
208	19.6	19.7	18.6	-	15.6	15.5	14.8	-	-	13.5	13.0	-	-	-	-	-	-	-	208
216	19.0	19.4	18.3	-	15.2	15.4	14.6	-	-	13.2	12.8	12.1	-	-	-	-	-	-	216
224	17.8	19.1	18.3	-	14.7	15.2	14.3	-	-	12.9	12.8	11.9	-	-	-	-	-	-	224
232	-	18.8	18.3	-	14.4	14.9	14.1	-	-	12.5	12.5	11.8	-	-	-	-	-	-	232
240	-	18.4	18.3	-	13.9	14.6	14.1	-	-	12.2	12.4	11.6	-	-	-	-	-	-	240
248	-	18.1	17.9	-	13.5	14.4	14.1	-	-	12.0	12.3	11.5	-	-	-	-	-	-	248
256	-	-	17.0	-	-	13.9	14.1	-	-	11.7	12.1	11.5	-	-	-	-	-	-	256
264	-	-	-	-	-	13.8	13.8	-	-	10.8	11.9	11.5	-	-	-	-	-	-	264
272	-	-	-	-	-	-	13.6	-	-	-	11.8	11.5	-	-	-	-	-	-	272
280	-	-	-	-	-	-	13.5	-	-	-	11.5	11.5	-	-	-	-	-	-	280
288	-	-	-	-	-	-	-	-	-	-	11.3	11.5	-	-	-	-	-	-	288
296	-	-	-	-	-	-	-	-	-	-	-	11.4	-	-	-	-	-	-	296

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

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 lbs													
56	121.7	-	-	110.1	-	-	-	-	-	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	-	80.9	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	59.7	-	112
120	-	-	53.4	-	-	52.7	-	59.5	-	60.8	58.1	-	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 lbs												
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	-	-	42.7	-	-	36.3	-	-	29.5	-	-	112
120	53.2	48.0	-	42.0	-	-	35.8	-	-	29.3	-	-	120
128	52.5	47.2	-	41.4	38.9	-	35.3	-	-	28.9	-	-	128
136	49.4	46.6	-	40.9	38.3	-	35.1	32.7	-	28.3	-	-	136
144	46.0	46.3	-	40.2	37.7	-	34.8	32.2	-	28.0	26.5	-	144
152	42.3	43.9	37.6	39.1	37.2	-	34.5	31.7	-	28.0	26.0	-	152
160	-	41.3	35.3	37.9	36.9	-	33.9	31.2	-	27.7	25.6	-	160
168	-	39.1	33.2	35.3	36.8	32.1	33.1	31.0	-	27.5	25.2	-	168
176	-	37.1	31.4	32.8	35.9	30.3	31.8	30.6	28.9	26.8	24.8	-	176
184	-	-	29.5	-	34.1	28.4	30.1	30.6	27.5	26.0	24.7	22.0	184
192	-	-	27.9	-	32.3	26.8	28.3	30.6	26.1	25.1	24.5	21.8	192
200	-	-	-	-	-	25.4	-	29.8	24.5	23.7	24.5	21.5	200
208	-	-	-	-	-	23.9	-	28.3	23.2	22.2	24.5	21.2	208
216	-	-	-	-	-	-	-	26.8	21.9	-	24.5	20.8	216
224	-	-	-	-	-	-	-	-	20.8	-	24.4	19.7	224
232	-	-	-	-	-	-	-	-	-	-	23.3	18.6	232
240	-	-	-	-	-	-	-	-	-	-	-	17.6	240
248	-	-	-	-	-	-	-	-	-	-	-	16.7	248

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

19.7 ft (XL) 360° ASME B30.5										
114.2 ft										
ft	226.4 ft			246.1 ft			265.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	
1,000 lbs										
88	25.8	-	-	20.6	-	-	-	-	-	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	21.1	-	18.0	-	-	15.2	-	-	152
160	23.0	20.6	-	17.6	-	-	14.9	-	-	160
168	22.7	20.4	-	17.3	16.5	-	14.6	-	-	168
176	22.1	20.1	-	17.0	16.1	-	14.4	13.7	-	176
184	21.6	19.8	-	16.5	15.9	-	14.3	13.4	-	184
192	20.8	19.8	-	16.3	15.6	-	14.1	13.2	-	192
200	20.3	19.6	18.4	15.9	15.4	-	13.8	12.9	-	200
208	19.8	19.5	18.1	15.5	15.2	14.5	13.5	12.6	-	208
216	19.2	19.2	17.9	15.0	15.0	14.1	13.3	12.6	-	216
224	18.3	19.1	17.8	14.5	15.0	13.9	12.9	12.3	11.7	224
232	16.7	19.0	17.6	14.2	14.7	13.8	12.6	12.3	11.4	232
240	-	18.6	16.8	13.8	14.4	13.7	12.3	12.2	11.3	240
248	-	18.3	16.0	13.3	14.2	13.5	12.0	12.1	11.2	248
256	-	-	15.2	-	13.9	13.4	11.7	12.1	11.0	256
264	-	-	14.4	-	13.6	13.2	11.1	12.0	11.0	264
272	-	-	-	-	13.4	12.7	-	11.8	11.0	272
280	-	-	-	-	-	11.9	-	11.5	10.8	280
288	-	-	-	-	-	11.3	-	11.4	10.4	288
296	-	-	-	-	-	-	-	-	9.9	296
304	-	-	-	-	-	-	-	-	9.2	304
312	-	-	-	-	-	-	-	-	8.6	312

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

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 lbs													
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	-	-	112
120	-	-	50.1	-	57.9	-	-	57.0	-	60.8	55.9	-	120
128	-	-	46.8	-	-	46.3	-	53.2	-	57.0	52.1	-	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

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 lbs												
64	56.1	-	-	-	-	-	-	-	-	-	-	-	64
72	55.6	-	-	44.1	-	-	-	-	-	-	-	-	72
80	54.5	-	-	43.8	-	-	36.6	-	-	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	51.4	-	-	40.7	-	-	34.5	-	-	28.2	-	-	120
128	51.1	45.5	-	40.3	-	-	34.2	-	-	27.9	-	-	128
136	49.7	44.9	-	40.0	37.0	-	33.8	-	-	27.6	-	-	136
144	47.5	44.3	-	39.5	36.4	-	33.7	31.1	-	27.1	-	-	144
152	44.0	42.0	-	38.7	35.9	-	33.5	30.6	-	27.1	23.8	-	152
160	-	39.7	32.7	37.6	35.6	-	33.3	30.1	-	26.8	23.4	-	160
168	-	37.3	30.7	36.1	35.4	29.6	32.5	29.8	-	26.7	23.0	-	168
176	-	35.3	28.9	33.9	34.2	27.8	31.5	29.6	-	26.1	22.7	-	176
184	-	-	27.1	-	32.4	26.0	29.9	29.3	25.1	25.5	22.5	-	184
192	-	-	25.7	-	30.7	24.6	28.4	29.2	23.7	24.7	22.3	-	192
200	-	-	24.3	-	29.0	23.1	-	28.2	22.2	23.6	22.2	20.6	200
208	-	-	-	-	-	21.9	-	26.6	21.0	22.4	22.0	19.9	208
216	-	-	-	-	-	20.6	-	25.2	19.7	20.8	22.0	18.6	216
224	-	-	-	-	-	-	-	-	18.6	-	22.0	17.5	224
232	-	-	-	-	-	-	-	-	17.6	-	21.7	16.5	232
240	-	-	-	-	-	-	-	-	16.8	-	20.7	15.7	240
248	-	-	-	-	-	-	-	-	-	-	-	14.8	248
256	-	-	-	-	-	-	-	-	-	-	-	13.9	256

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

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 lbs									
ft																			ft
88	24.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88
96	24.0	-	-	-	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	20.2	-	-	17.1	-	-	-	-	14.5	-	-	-	-	-	-	-	-	160
168	21.3	19.9	-	-	16.9	15.9	-	-	-	14.2	-	-	-	-	-	-	-	-	168
176	21.0	19.7	-	-	16.6	15.7	-	-	-	13.9	-	-	-	-	-	-	-	-	176
184	20.7	19.4	-	-	16.3	15.4	-	-	-	13.9	13.0	-	-	-	-	-	-	-	184
192	20.4	19.1	-	-	16.0	15.2	-	-	-	13.7	12.7	-	-	-	-	-	-	-	192
200	19.9	18.9	-	-	15.5	14.9	-	-	-	13.6	12.5	-	-	-	-	-	-	-	200
208	19.3	18.7	17.5	-	15.3	14.6	-	-	-	13.4	12.2	-	-	-	-	-	-	-	208
216	18.8	18.7	17.2	-	14.8	14.6	-	-	-	13.2	12.1	-	-	-	-	-	-	-	216
224	18.4	18.5	16.9	-	14.5	14.3	13.4	-	-	12.8	11.9	-	-	-	-	-	-	-	224
232	17.3	18.5	15.9	-	14.0	14.3	13.2	-	-	12.6	11.7	-	-	-	-	-	-	-	232
240	-	18.5	14.9	-	13.8	14.2	13.1	-	-	12.3	11.7	10.9	-	-	-	-	-	-	240
248	-	18.3	14.0	-	13.3	13.9	12.7	-	-	12.0	11.7	10.7	-	-	-	-	-	-	248
256	-	18.1	13.2	-	-	13.7	12.3	-	-	11.7	11.7	10.6	-	-	-	-	-	-	256
264	-	-	12.5	-	-	13.4	11.7	-	-	11.1	11.7	10.4	-	-	-	-	-	-	264
272	-	-	11.9	-	-	13.2	11.0	-	-	10.4	11.7	10.2	-	-	-	-	-	-	272
280	-	-	11.2	-	-	13.0	10.3	-	-	-	11.7	9.5	-	-	-	-	-	-	280
288	-	-	-	-	-	-	9.7	-	-	-	11.5	8.8	-	-	-	-	-	-	288
296	-	-	-	-	-	-	9.0	-	-	-	11.2	8.1	-	-	-	-	-	-	296
304	-	-	-	-	-	-	-	-	-	-	-	7.6	-	-	-	-	-	-	304
312	-	-	-	-	-	-	-	-	-	-	-	7.0	-	-	-	-	-	-	312
320	-	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-	-	-	-	320

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

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 lbs													
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	-	55.8	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

147.6 ft 167.3 ft 187.0 ft 206.7 ft													
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 lbs													
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	-	-	39.0	-	-	33.1	-	-	27.0	-	-	128
136	48.0	41.4	-	38.6	-	-	32.7	-	-	26.7	-	-	136
144	45.8	39.5	-	38.4	35.1	-	32.4	-	-	26.3	-	-	144
152	43.1	38.4	-	38.0	34.2	-	32.4	29.5	-	26.0	-	-	152
160	40.3	37.3	-	37.1	33.0	-	32.2	29.2	-	25.9	22.6	-	160
168	-	35.8	28.3	36.1	31.7	-	31.8	28.6	-	25.8	22.4	-	168
176	-	33.6	26.5	34.3	30.9	-	31.0	28.1	-	25.6	22.1	-	176
184	-	31.7	24.9	-	30.4	23.8	29.9	27.3	-	25.1	21.8	-	184
192	-	-	23.5	-	29.0	22.4	28.4	26.2	21.3	24.4	21.5	-	192
200	-	-	22.2	-	27.5	21.1	26.9	26.0	20.1	23.5	20.8	-	200
208	-	-	21.0	-	26.1	19.7	-	25.2	18.9	22.3	20.2	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 lbs
- 154,300 lbs
- 176,400 lbs
- 198,400 lbs
- 220,500 lbs
- 242,500 lbs
- 264,600 lbs
- 286,600 lbs
- 308,700 lbs
- 330,700 lbs

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°			
										1,000 lbs									
ft																			ft
96	23.8	-	-	19.0	-	-	-	-	-	96									
104	23.2	-	-	18.8	-	-	15.5	-	-	104									
112	22.9	-	-	18.5	-	-	15.4	-	-	112									
120	22.4	-	-	18.2	-	-	15.2	-	-	120									
128	22.2	-	-	17.7	-	-	15.1	-	-	128									
136	21.7	-	-	17.5	-	-	14.8	-	-	136									
144	21.4	-	-	17.2	-	-	14.6	-	-	144									
152	21.1	-	-	16.9	-	-	14.3	-	-	152									
160	20.9	-	-	16.7	-	-	14.0	-	-	160									
168	20.7	19.2	-	16.4	-	-	13.9	-	-	168									
176	20.5	19.0	-	16.1	-	-	13.7	-	-	176									
184	20.5	18.7	-	15.9	14.8	-	13.4	-	-	184									
192	20.2	18.5	-	15.6	14.6	-	13.2	12.3	-	192									
200	19.9	18.2	-	15.3	14.4	-	13.1	12.0	-	200									
208	19.3	17.9	-	15.1	14.2	-	13.0	11.8	-	208									
216	18.8	17.7	15.4	14.6	13.9	-	13.0	11.7	-	216									
224	18.5	17.4	14.9	14.3	13.9	-	12.8	11.4	-	224									
232	17.8	17.0	13.9	14.0	13.7	11.9	12.5	11.2	-	232									
240	-	16.5	13.2	13.6	13.7	11.7	12.3	11.2	9.5	240									
248	-	16.5	12.3	13.3	13.5	11.2	12.0	11.2	9.4	248									
256	-	16.5	11.5	12.8	13.2	10.6	11.7	11.0	9.3	256									
264	-	-	10.7	-	12.9	9.9	11.3	10.9	8.9	264									
272	-	-	10.1	-	12.7	9.2	10.5	10.7	8.4	272									
280	-	-	9.4	-	12.4	8.6	-	10.6	7.7	280									
288	-	-	8.9	-	12.3	8.0	-	10.5	7.1	288									
296	-	-	-	-	-	7.4	-	10.4	6.6	296									
304	-	-	-	-	-	6.9	-	10.4	6.0	304									
312	-	-	-	-	-	-	-	-	5.6	312									
320	-	-	-	-	-	-	-	-	5.1	320									
328	-	-	-	-	-	-	-	-	4.6	328									

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

Operation

WIHI-SSL

19.7 ft (XL) 360° ASME B30.5													
155.2 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 lbs													
64	99.3	-	-	93.8	-	-	-	-	-	64.0	-	-	64
72	91.7	-	-	88.5	-	-	75.9	-	-	62.9	-	-	72
80	84.2	-	-	82.6	-	-	73.9	-	-	61.8	-	-	80
88	77.8	-	-	76.4	-	-	71.5	-	-	60.7	-	-	88
96	72.8	-	-	70.6	-	-	68.0	-	-	59.8	-	-	96
104	-	63.8	-	66.8	-	-	63.4	-	-	58.8	-	-	104
112	-	59.5	-	-	58.6	-	59.1	-	-	56.7	-	-	112
120	-	-	-	-	54.7	-	55.4	-	-	53.8	-	-	120
128	-	-	-	-	51.1	-	-	48.5	-	50.8	43.6	-	128
136	-	-	40.1	-	-	-	-	46.9	-	47.7	42.2	-	136
144	-	-	37.4	-	-	36.7	-	44.2	-	44.5	40.8	-	144
152	-	-	-	-	-	-	-	-	-	-	39.5	-	152
160	-	-	-	-	-	-	-	-	31.4	-	38.1	30.2	160
168	-	-	-	-	-	-	-	-	29.5	-	36.0	28.3	168
176	-	-	-	-	-	-	-	-	-	-	-	26.7	176
184	-	-	-	-	-	-	-	-	-	-	-	25.1	184

147.6 ft 167.3 ft 187.0 ft 206.7 ft													
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 lbs													
72	51.4	-	-	-	-	-	-	-	-	-	-	-	72
80	50.5	-	-	41.1	-	-	34.0	-	-	-	-	-	80
88	49.6	-	-	40.8	-	-	33.7	-	-	26.9	-	-	88
96	48.9	-	-	40.3	-	-	33.6	-	-	26.9	-	-	96
104	48.2	-	-	39.6	-	-	33.5	-	-	26.9	-	-	104
112	47.6	-	-	39.0	-	-	33.3	-	-	26.9	-	-	112
120	46.9	-	-	38.5	-	-	32.7	-	-	26.8	-	-	120
128	45.7	38.8	-	38.1	-	-	32.3	-	-	26.5	-	-	128
136	44.5	37.6	-	37.8	-	-	32.0	-	-	26.1	-	-	136
144	42.4	36.4	-	37.7	31.3	-	31.8	-	-	25.8	-	-	144
152	40.2	35.3	-	37.4	30.6	-	31.5	-	-	25.5	-	-	152
160	37.8	34.3	-	36.3	29.9	-	31.4	27.1	-	25.4	-	-	160
168	-	33.3	-	34.7	29.1	-	31.2	25.8	-	25.2	21.4	-	168
176	-	32.7	25.4	32.9	28.3	-	30.7	25.4	-	25.1	20.4	-	176
184	-	31.0	23.8	-	27.8	22.7	29.9	24.7	-	24.9	19.6	-	184
192	-	-	22.4	-	27.2	21.3	28.5	24.1	-	24.1	19.1	-	192
200	-	-	21.2	-	26.6	20.1	26.9	23.6	19.2	23.5	18.9	-	200
208	-	-	20.1	-	25.5	19.0	-	23.3	18.0	22.4	18.5	16.2	208
216	-	-	-	-	-	17.9	-	22.9	16.8	21.0	18.1	15.7	216
224	-	-	-	-	-	16.9	-	22.1	16.0	-	17.8	14.7	224
232	-	-	-	-	-	-	-	-	15.0	-	17.6	13.9	232
240	-	-	-	-	-	-	-	-	14.2	-	17.5	13.1	240
248	-	-	-	-	-	-	-	-	13.4	-	17.2	12.3	248
256	-	-	-	-	-	-	-	-	-	-	-	11.5	256
264	-	-	-	-	-	-	-	-	-	-	-	10.8	264

- 132,300 lbs
- 154,300 lbs
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- 286,600 lbs
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- 330,700 lbs

19.7 ft (XL)										360°			ASME B30.5						
155.2 ft										226.4 ft			246.1 ft			265.7 ft			
										84°			73°			65°			
ft										1,000 lbs									ft
96										23.3	-	-	18.5	-	-	-	-	-	96
104										22.8	-	-	18.3	-	-	-	-	-	104
112										22.5	-	-	18.3	-	-	15.0	-	-	112
120										22.0	-	-	17.8	-	-	14.8	-	-	120
128										21.7	-	-	17.5	-	-	14.8	-	-	128
136										21.3	-	-	17.3	-	-	14.6	-	-	136
144										21.0	-	-	16.8	-	-	14.3	-	-	144
152										20.7	-	-	16.5	-	-	14.1	-	-	152
160										20.4	-	-	16.2	-	-	13.8	-	-	160
168										20.3	-	-	16.1	-	-	13.5	-	-	168
176										20.1	18.5	-	15.9	-	-	13.3	-	-	176
184										20.1	18.1	-	15.6	14.5	-	13.2	-	-	184
192										20.0	17.3	-	15.4	14.2	-	13.0	-	-	192
200										19.7	16.7	-	15.1	13.8	-	12.9	11.7	-	200
208										19.3	16.1	-	14.8	13.4	-	12.8	11.5	-	208
216										18.8	15.9	-	14.6	13.0	-	12.6	11.3	-	216
224										18.5	15.8	13.8	14.1	12.5	-	12.5	11.0	-	224
232										17.8	15.6	13.2	13.8	12.1	10.9	12.3	10.5	-	232
240										17.0	15.4	12.3	13.5	12.1	10.5	12.2	10.2	-	240
248										-	15.1	11.5	13.2	12.0	10.2	12.0	9.8	8.8	248
256										-	15.0	10.8	12.8	11.9	9.9	11.7	9.7	8.6	256
264										-	14.9	10.1	-	11.8	9.3	11.4	9.7	8.2	264
272										-	-	9.5	-	11.6	8.6	10.7	9.6	7.7	272
280										-	-	8.8	-	11.5	7.9	9.9	9.5	7.1	280
288										-	-	8.2	-	11.5	7.3	-	9.5	6.4	288
296										-	-	-	-	-	6.8	-	9.5	5.9	296
304										-	-	-	-	-	6.2	-	9.5	5.4	304
312										-	-	-	-	-	-	-	-	4.9	312
320										-	-	-	-	-	-	-	-	4.5	320

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

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 lbs													
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	-	49.6	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	168	
176	-	-	-	-	-	-	-	-	28.6	-	27.3	176	
184	-	-	-	-	-	-	-	-	26.9	-	25.6	184	
192	-	-	-	-	-	-	-	-	-	-	24.2	192	
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 lbs													
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	216	
224	-	-	-	-	-	16.0	-	19.0	15.1	-	16.1	224	
232	-	-	-	-	-	15.2	-	-	14.3	-	15.8	232	
240	-	-	-	-	-	-	-	-	13.3	-	15.5	240	
248	-	-	-	-	-	-	-	-	12.6	-	15.4	248	
256	-	-	-	-	-	-	-	-	-	-	-	256	
264	-	-	-	-	-	-	-	-	-	-	-	264	
272	-	-	-	-	-	-	-	-	-	-	-	272	

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

		19.7 ft (XL)			360°			ASME B30.5	
		226.4 ft			246.1 ft				
		84°	73°	65°	84°	73°	65°		
ft		1,000 lbs						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	-	-	184	
192		19.6	15.6	-	15.2	12.7	-	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	13.8	11.4	-	232	
240		17.3	13.8	11.2	13.4	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 lbs	154,300 lbs	176,400 lbs	198,400 lbs	220,500 lbs
242,500 lbs	264,600 lbs	286,600 lbs	308,700 lbs	330,700 lbs

Operation

WIHI-SSL

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 lbs													
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	-	-	-	-	-	-	-	-	-	-	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 lbs													
80	46.4	-	-	-	-	-	-	-	-	-	-	-	80
88	45.5	-	-	37.7	-	-	-	-	-	-	-	-	88
96	44.3	-	-	37.2	-	-	30.6	-	-	24.7	-	-	96
104	43.1	-	-	36.7	-	-	30.5	-	-	24.5	-	-	104
112	41.3	-	-	36.1	-	-	30.4	-	-	24.2	-	-	112
120	39.2	-	-	35.0	-	-	30.1	-	-	23.7	-	-	120
128	37.4	-	-	33.6	-	-	29.6	-	-	23.4	-	-	128
136	35.6	-	-	32.1	-	-	28.8	-	-	22.8	-	-	136
144	34.0	28.5	-	30.7	-	-	28.0	-	-	22.3	-	-	144
152	32.9	27.4	-	29.4	22.4	-	27.2	-	-	21.7	-	-	152
160	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	12.2	16.8	13.0	-	216
224	-	-	-	-	-	13.2	-	15.2	11.6	16.5	12.7	10.1	224
232	-	-	-	-	-	12.7	-	14.8	11.1	-	12.5	9.6	232
240	-	-	-	-	-	12.3	-	-	10.7	-	12.2	9.2	240
248	-	-	-	-	-	-	-	-	10.4	-	12.0	8.8	248
256	-	-	-	-	-	-	-	-	10.1	-	-	8.4	256
264	-	-	-	-	-	-	-	-	-	-	-	8.1	264
272	-	-	-	-	-	-	-	-	-	-	-	7.8	272
280	-	-	-	-	-	-	-	-	-	-	-	7.6	280

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

Operation

WIHI-SSL

19.7 ft (XL)		360°	
179.8 ft			
226.4 ft			
84°		73° 65°	
ft	1,000 lbs		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	14.2	10.7	240
248	14.1	10.4	248
256	-	10.1	256
264	-	10.0	264
272	-	9.9	272
280	-	-	280
288	-	-	288
296	-	-	296

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

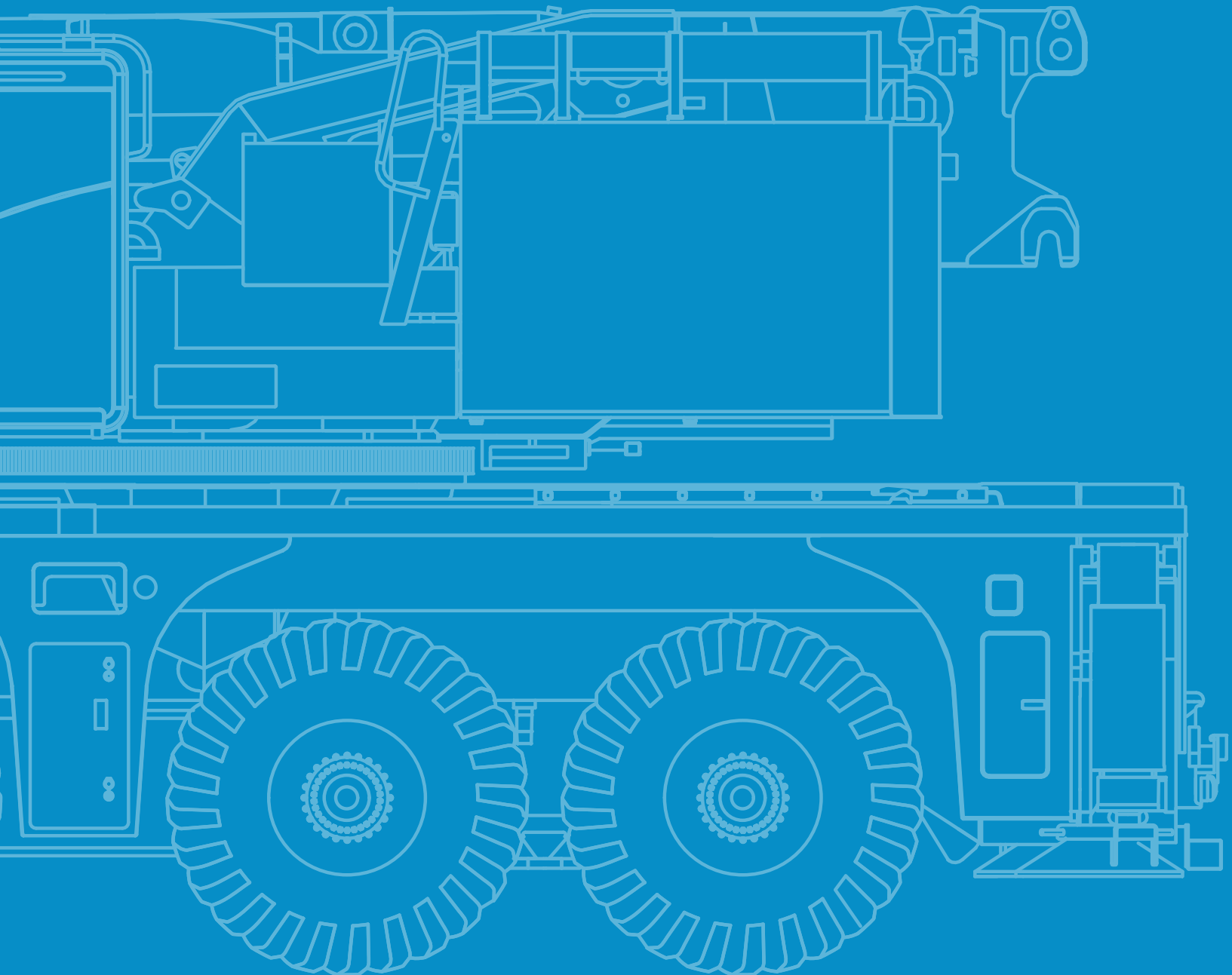
Notes to Lifting Capacity

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 lbs.
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 lbs	Self rigging with semiautomatic rigging system, rigging storage on carrier front; Expandable to max. 330,700 lbs.
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.
IC-1 Remote	IC-1 Remote, Tadano Telematiksystem.
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. luffing cylinder.
Heavy lift attachment	3 additional sheaves; For total 9 sheaves at boom head; Max. capacity of 431,000 lbs.
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 lbs	12 x 22,050 lbs + 2 x 11,000 lbs or 10 x 22,050 lbs + 6 x 11,000 lbs; For total 330,700 lbs.
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, 3-sheaved for max. capacity 102,700 lbs; Operation on main boom and all extensions possible.

Hook Blocks

Hook block 441,000 lbs, 9-sheaves	Max. capacity of 431,000 lbs; 4,410 lbs; Double hook, red with white signal stripes.
Hook block 352,800 lbs, 7-sheaves	Max. capacity of 342,000 lbs; 4,190 lbs; Double hook, red with white signal stripes.
Hook block 275,600 lbs, 5-sheaves	Max. capacity of 272,800 lbs; 3,100 lbs; Double hook, red with white signal stripes.
Hook block 176,400 lbs, 3-sheaves	Max. capacity of 177,100 lbs; 2,650 lbs; Double hook, red with white signal stripes.
Hook block 88,200 lbs, 1-sheave	Max. capacity of 77,400 lbs; 1,980 lbs; Double hook, red with white signal stripes.
Hook 26,500 lbs	Max. capacity of 26,000 lbs; 1,100 lbs; 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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Reaching new heights

