TADANO

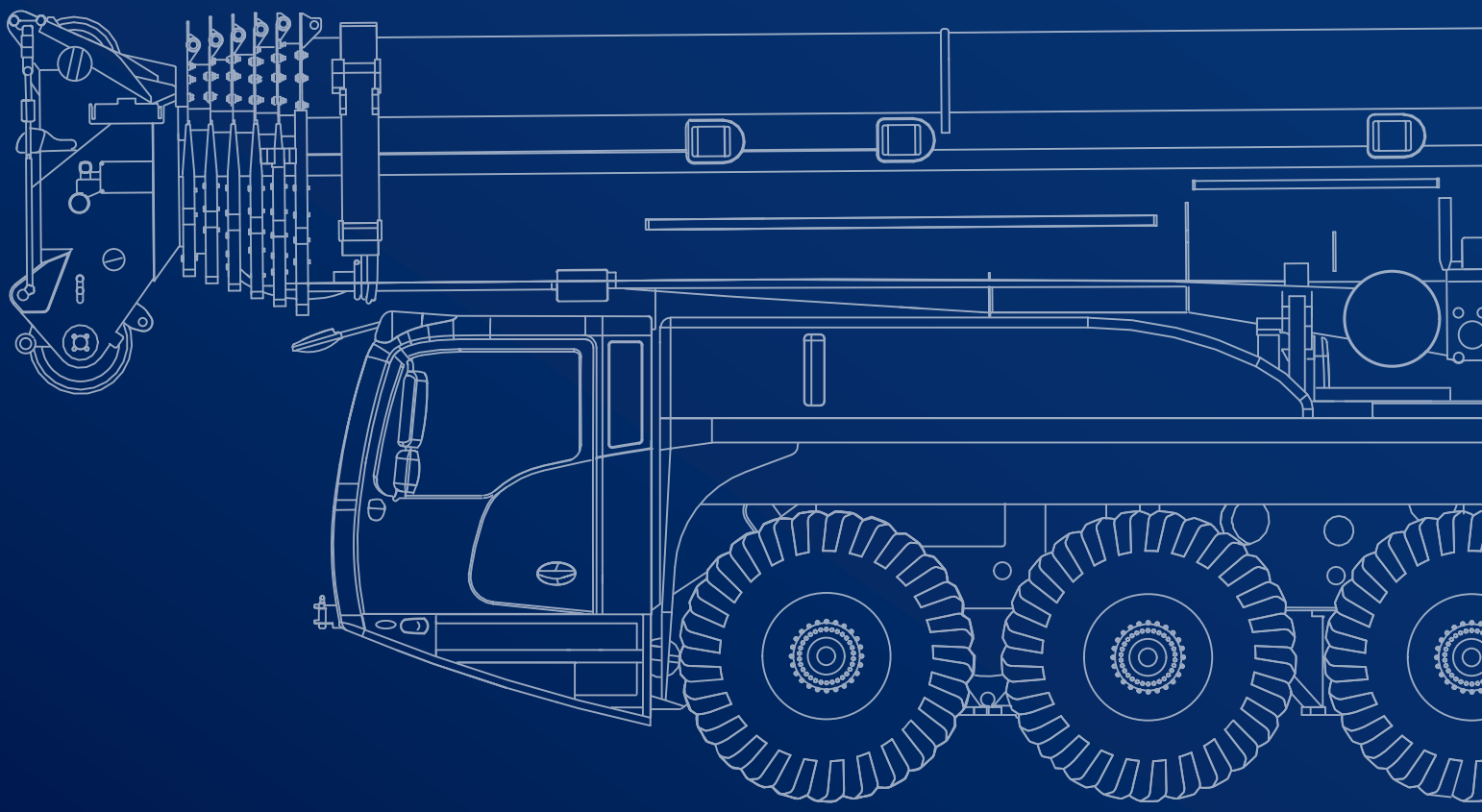
TECHNICAL DATA | IMPERIAL

AC 7.450-1

500 US TON MAX. CRANE CAPACITY

TADANO GREEN SOLUTIONS

- Suitable for alternative fuels



TADANO

April 2025. Unless otherwise specified, all information in this brochure refers to a standard crane equipment, and it is intended as general information only. No liability is assumed. Errors reserved. Product specifications and prices are subject to changes without notice. The photographs and/or drawings in this brochure are for illustrative purposes only. For correct and safe crane operation, the original operating manual and lifting capacity charts are essential. Failure to follow the corresponding Operator's Manual when using our equipment or failure to otherwise act responsibly may result in property damage, serious injury or death. The sole warranty applicable with respect to our equipment is the standard warranty as per general terms and conditions of sales and service (ask your local Tadano dealer for details), and Tadano makes no other warranty, express or implied. All rights reserved. Any use of the trademarks, logos, brand names and model names used herein is prohibited.

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Contents

General 5

Vehicle dimensions 6-7
Boom combinations 8-10

On-road and off-road driving 11

Axle loads 12
Speeds and gradeability 12
Steering 12

Transportation 13

Counterweight 14-15
Configurations 14
Counterweight adapter frame (XL) 15
Sideways Superlift (SSL) 16
Removable rear outrigger box 16
Jib 17-22

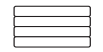
Operation 23

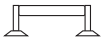
Main boom 25
Slewing 25
Hoist 25
Outrigger cylinders 25
Hook Blocks 25
HA: Main boom 26-31
HA-SSL: Main boom with SSL 32-35
LF: Light fixed jib 36-39
LF-SSL: Light fixed jib with SSL 40-43
WIHI: Luffing fly jib 44-56
WIHI-SSL: Luffing fly jib with SSL 58-72
Notes to Lifting Capacity 74

Technical Description 75

Basic machine 76
Additional equipment 77

Key


Counterweight


Lifting capacities on outriggers · 360°


Radius

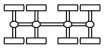

Main boom


Fixed fly jib


Luffing fly jib


Runner


Max. axle loads


Mechanism


Tires

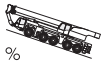

Hook block


Sideways Superlift (SSL)



Hoist


Travel speed



Gradeability – road


Working speeds


Slewing


Dolly


Boom telescoping


Boom elevation



Max. line pull


Rope diameter


Rope length


Hook block


Number of lines



Possible load of hook block



Weight of hook block

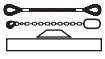

Distance head sheave axle – hook ground


Number of sheaves in hook block



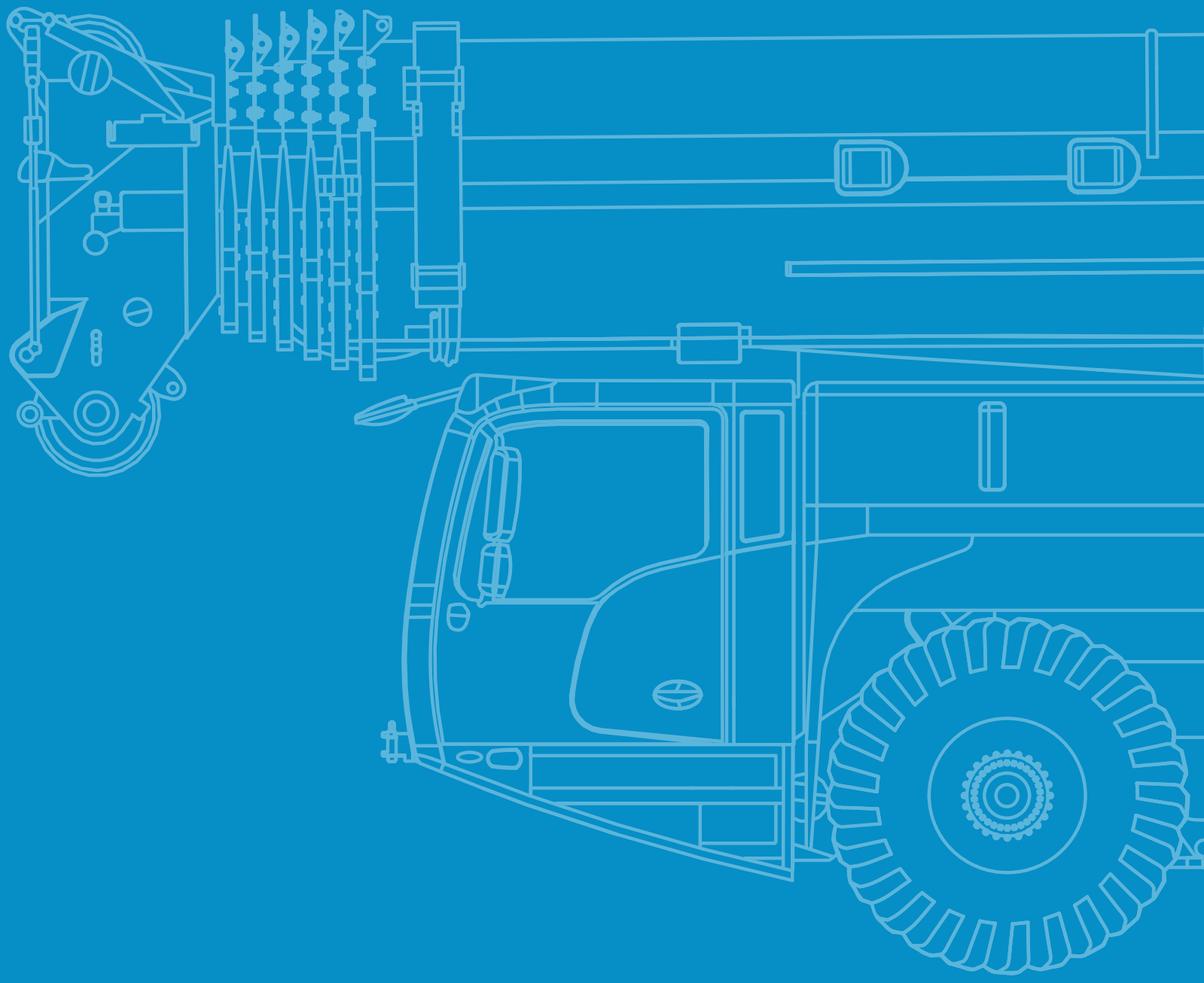
Max. outrigger load


Length of stroke (support cylinders)


Payload incl. rear storage box

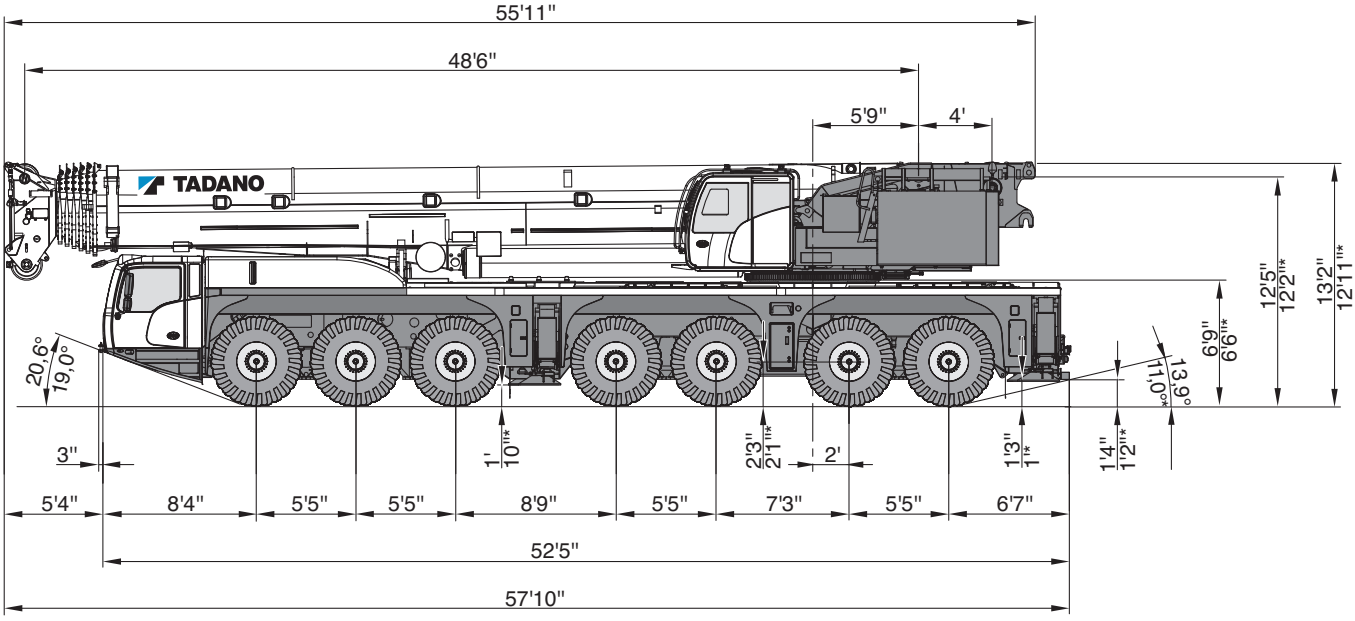

Counterweight tailswing radius

GENERAL TECHNICAL DATA



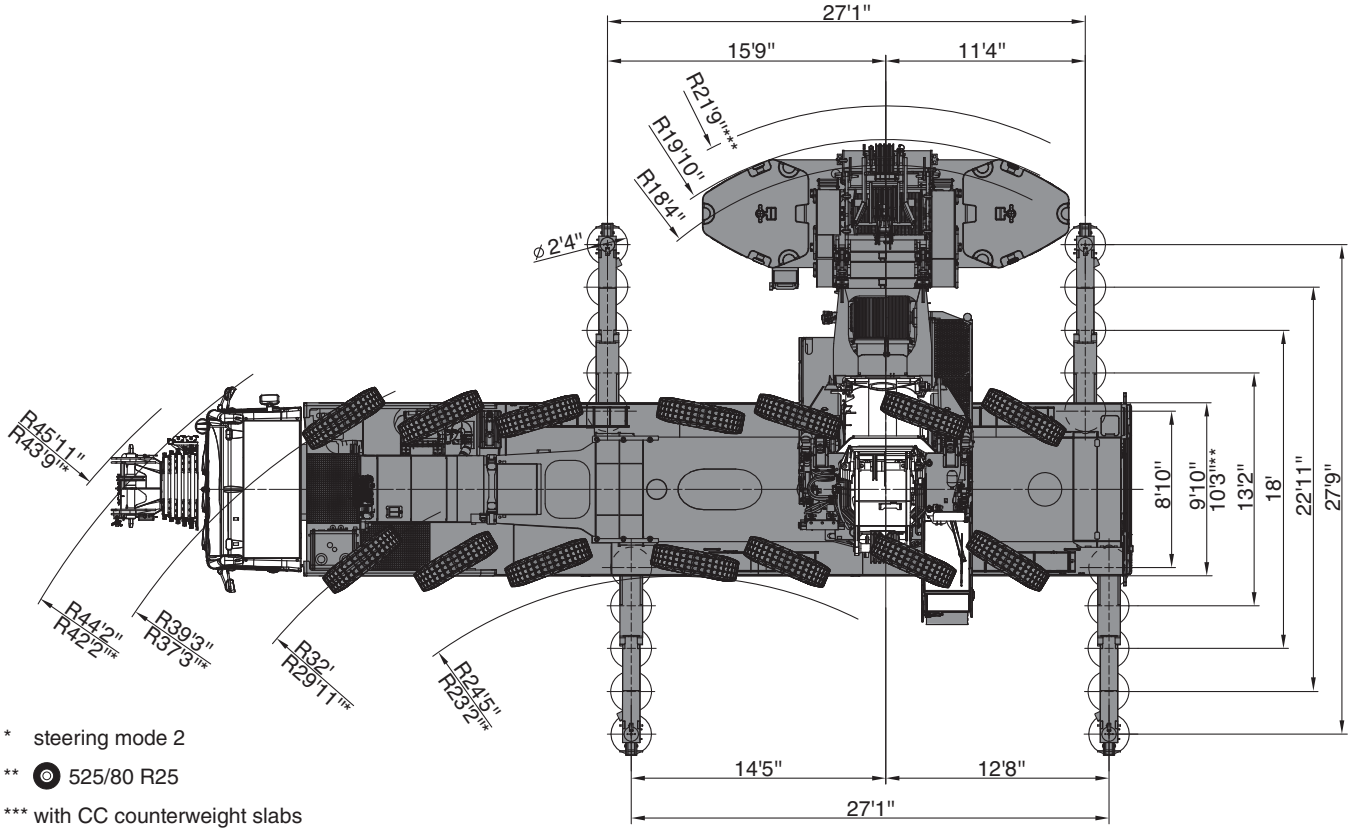
General

Vehicle dimensions



445/95 R25 / 525/80 R25

* 385/95 R25



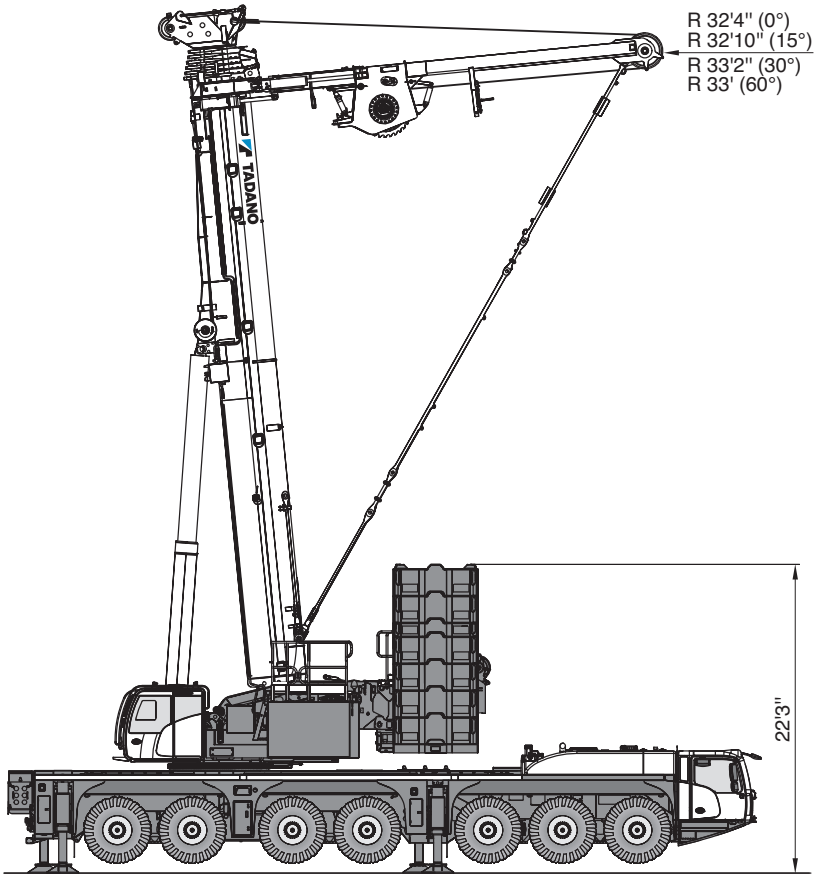
* steering mode 2

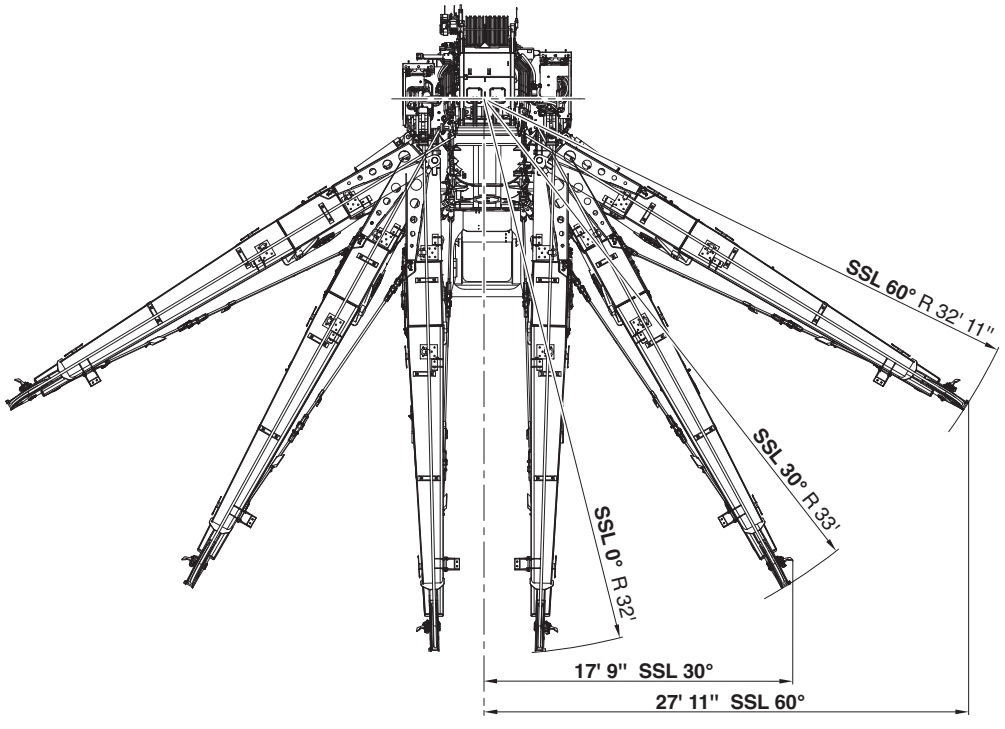
** 525/80 R25

*** with CC counterweight slabs

General

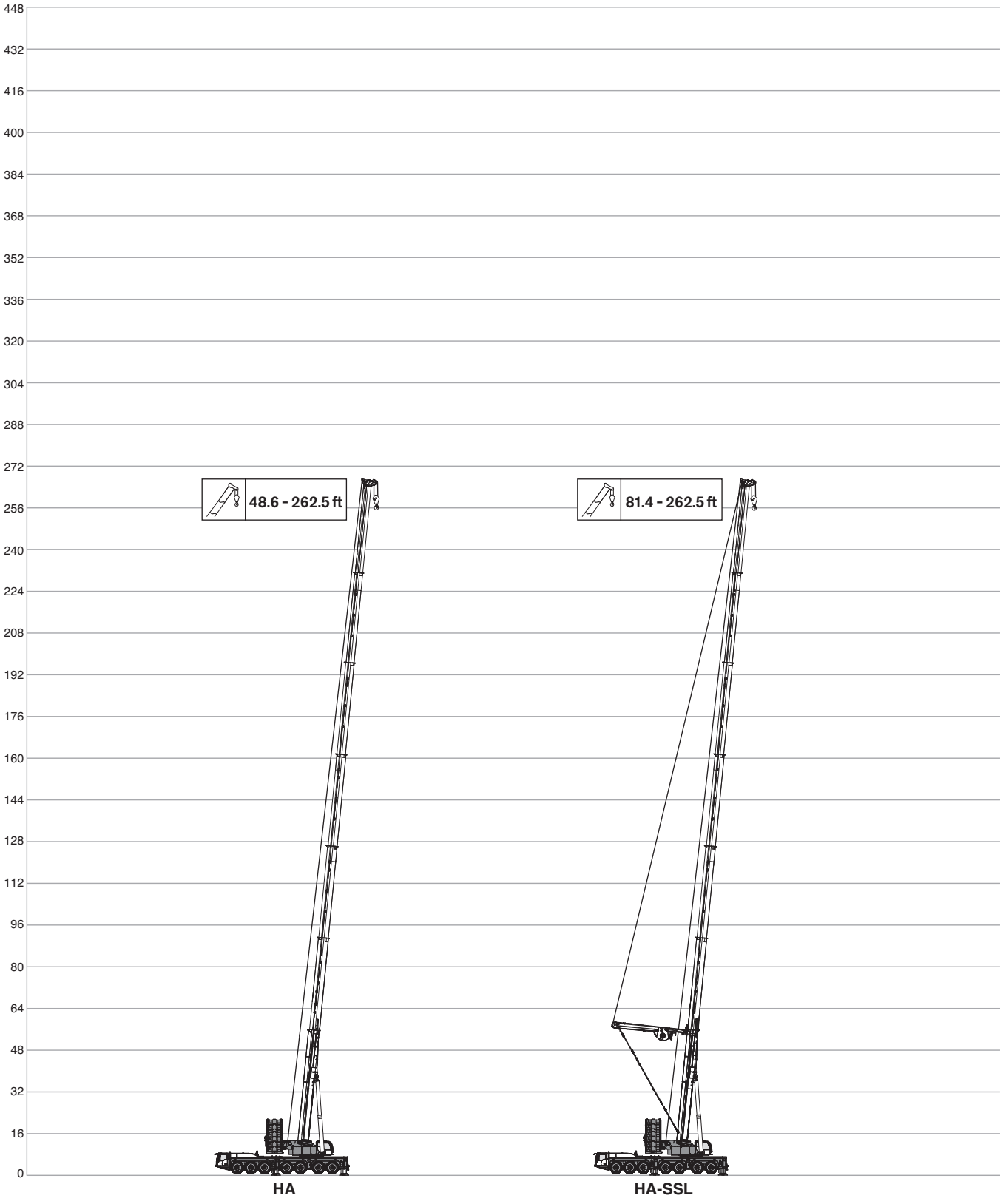
Vehicle dimensions





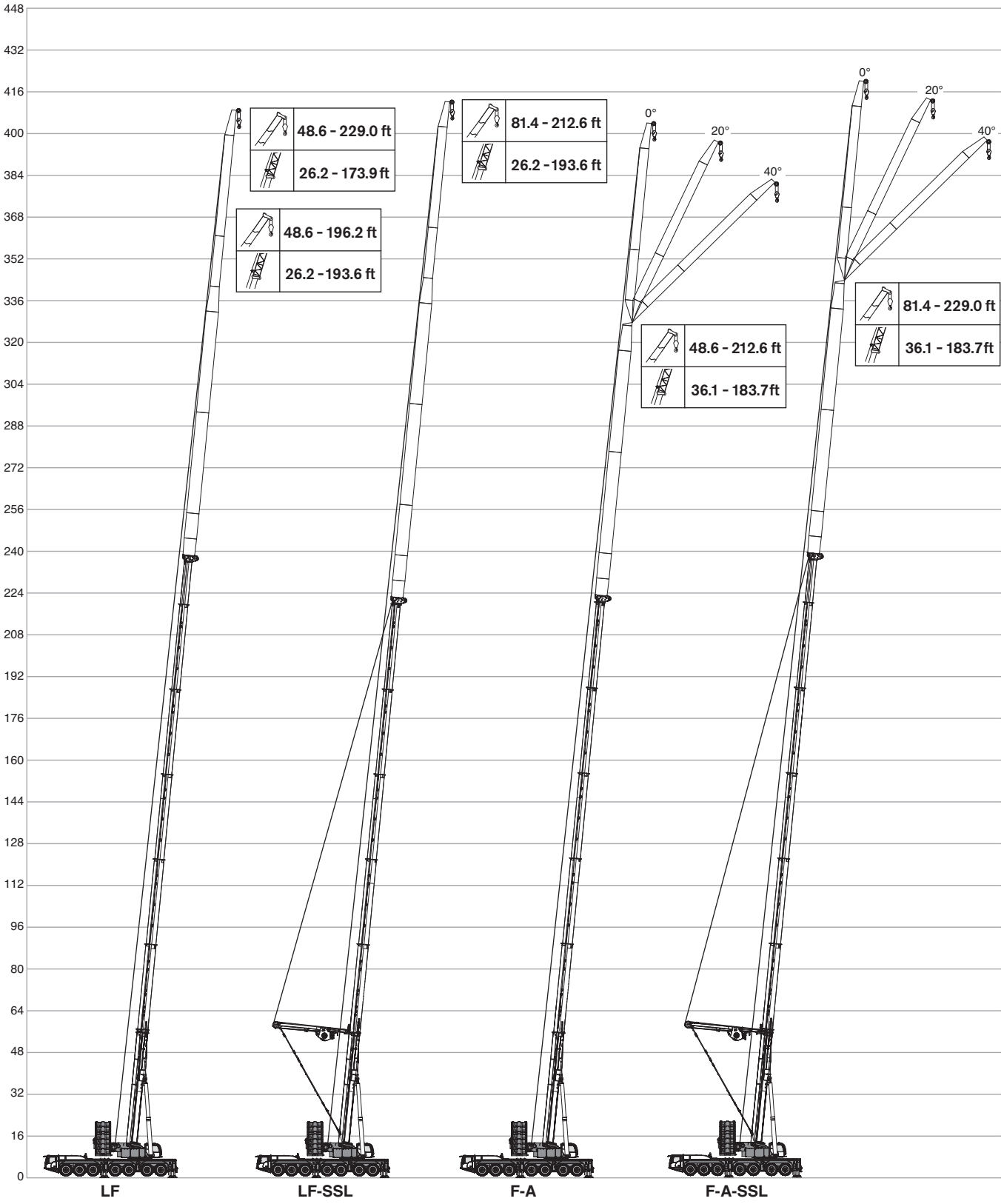
General

Boom Combinations



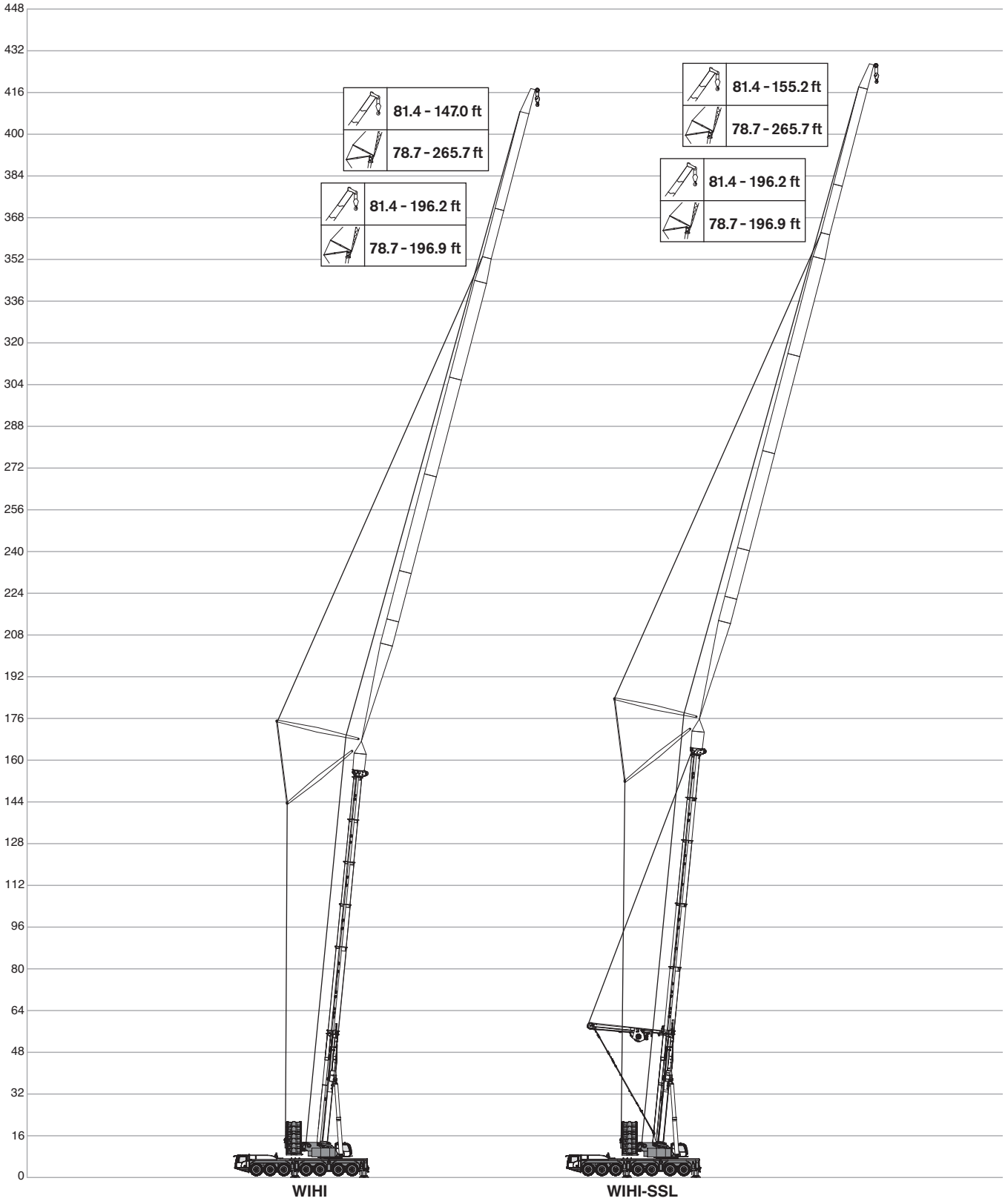
General

Boom Combinations

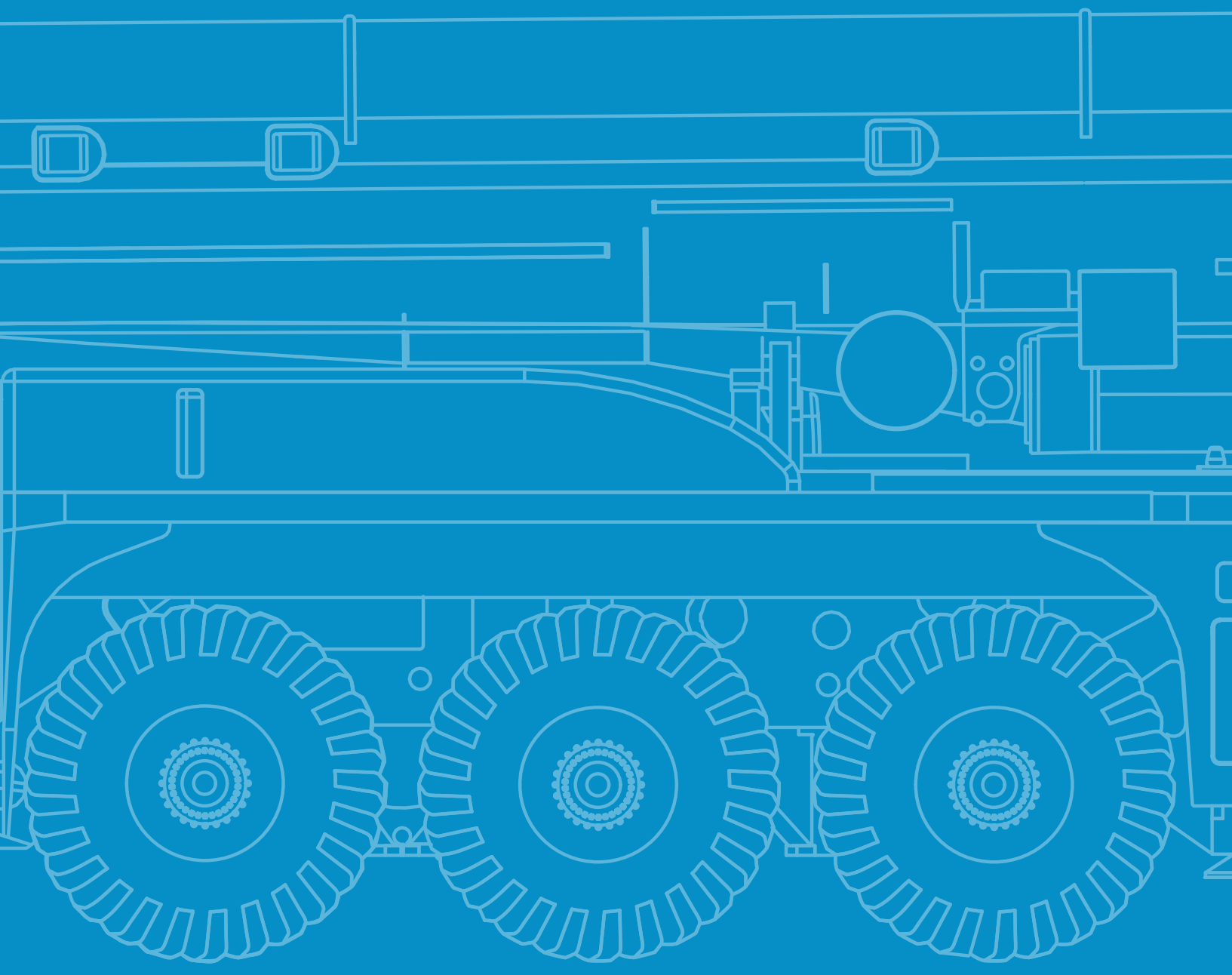


General

Boom Combinations



TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING



On-road and off-road driving

Axle loads

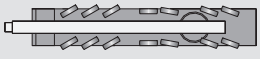
	Total							
< 20,000 lbs	On request!							X
< 22,050 lbs	< 106,000 lbs	14 x 8 x 14	445/95R25	–	–	–	–	–
< 26,500 lbs	< 185,200 lbs	14 x 8 x 14	385/95R25	262.5 ft	88,200 lbs	–	1,430 lbs	–
< 26,500 lbs	< 185,200 lbs	14 x 8 x 14	445/95R25 (AI)	262.5 ft	176,400 lbs Vario	–	–	–
< 26,500 lbs	< 185,200 lbs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

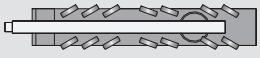
	385/95 R 25 14.00 R 25	445/95 R 25 16.00 R 25	525/80 R 25 20.50 R 25
%	46 %	41 %	41 %
	52.8 mph[1)]		

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

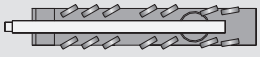
Steering



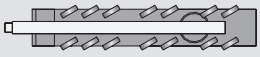
1 Road



2* Minimum turning radius < 12.4 mph



3* Off-wall



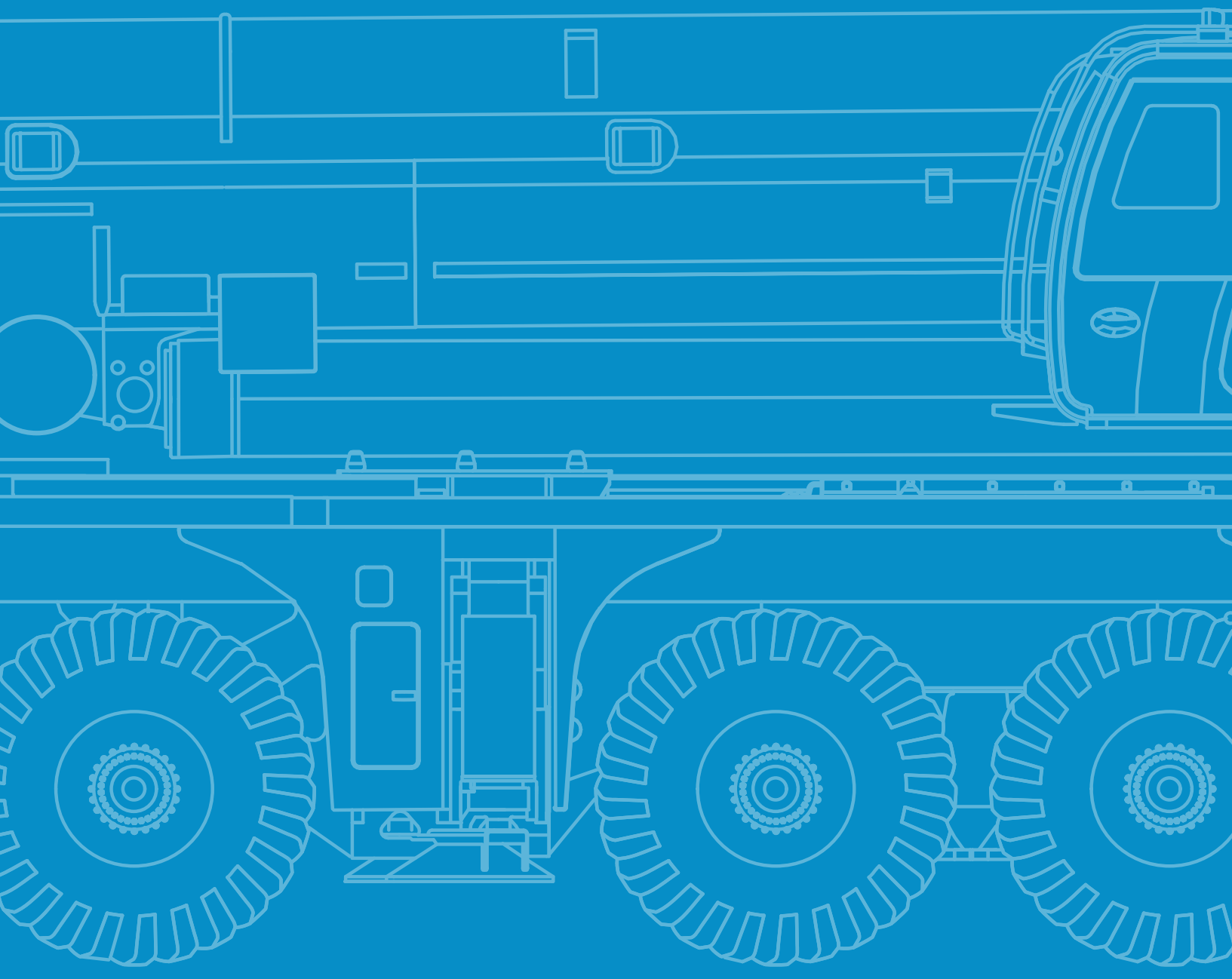
4* Crab steer mode



5* All wheel steering

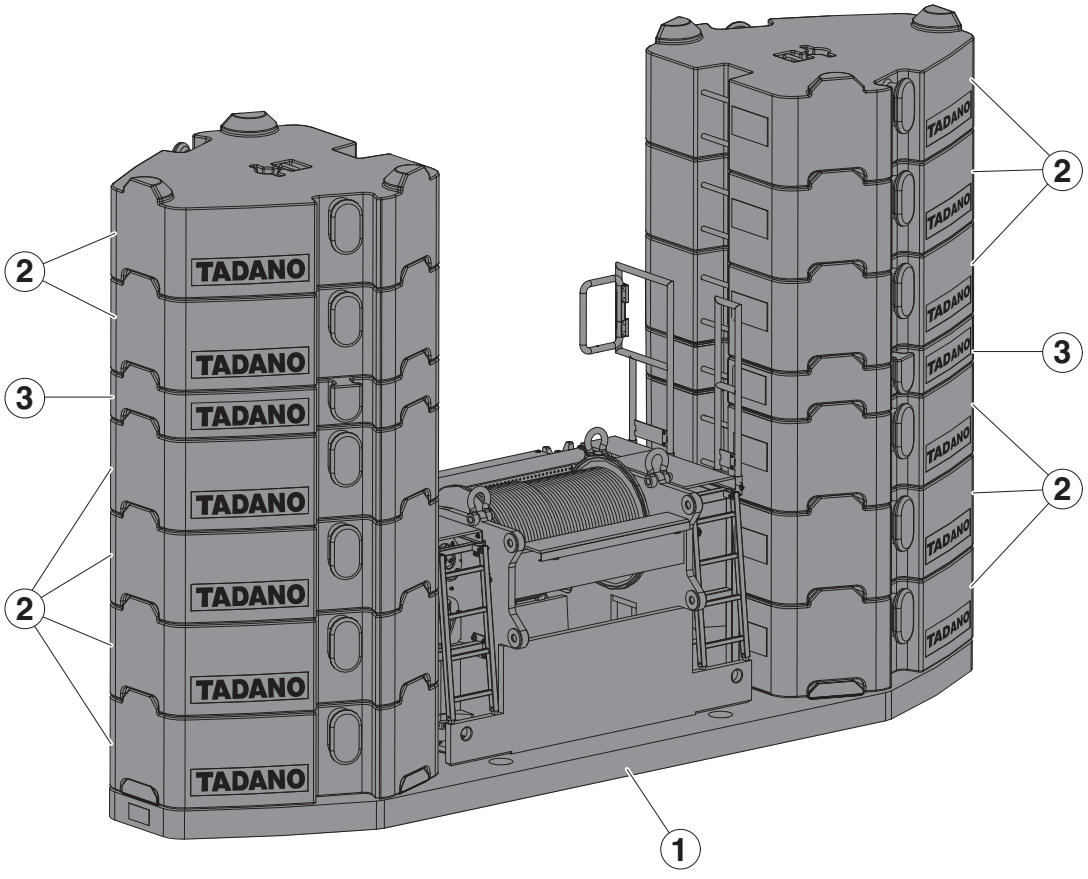
* must be activated

TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight

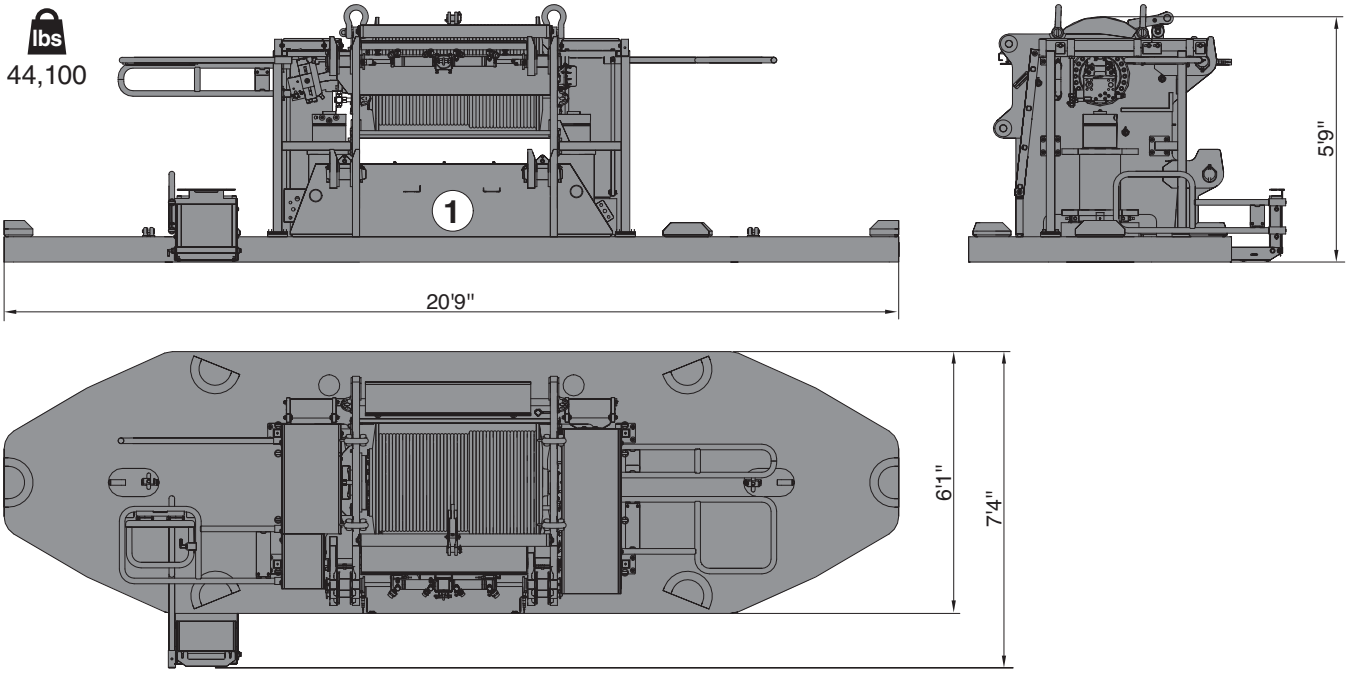


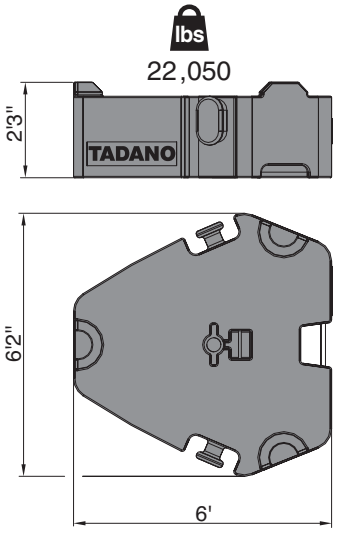
Configurations

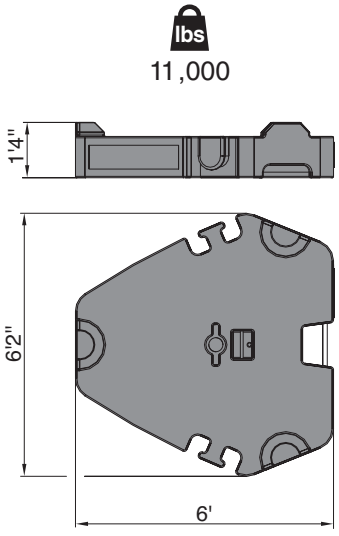
lbs	44,100	66,100	88,200	110,200	132,300	154,300	176,400	198,400	220,500	242,500	264,600	286,600	308,700	330,700
① 44,100	1	1	1	1	1	1	1	1	1	1	1	1	1	1
② 22,050			1	2	3	4	5	6	7	8	9 (8)	10 (9)	11 (10)	12 (10)
③ 11,000		2	2	2	2	2	2	2	2	2	2 (4)	2 (4)	2 (4)	2 (6)

Transportation

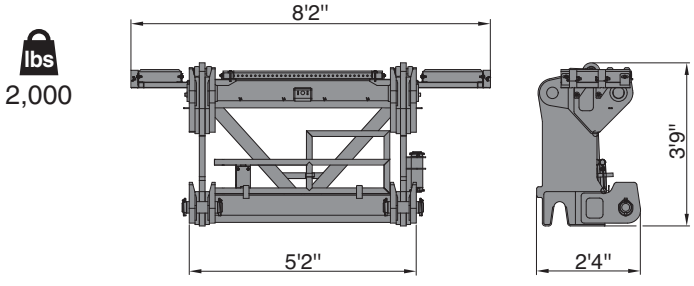
Counterweight







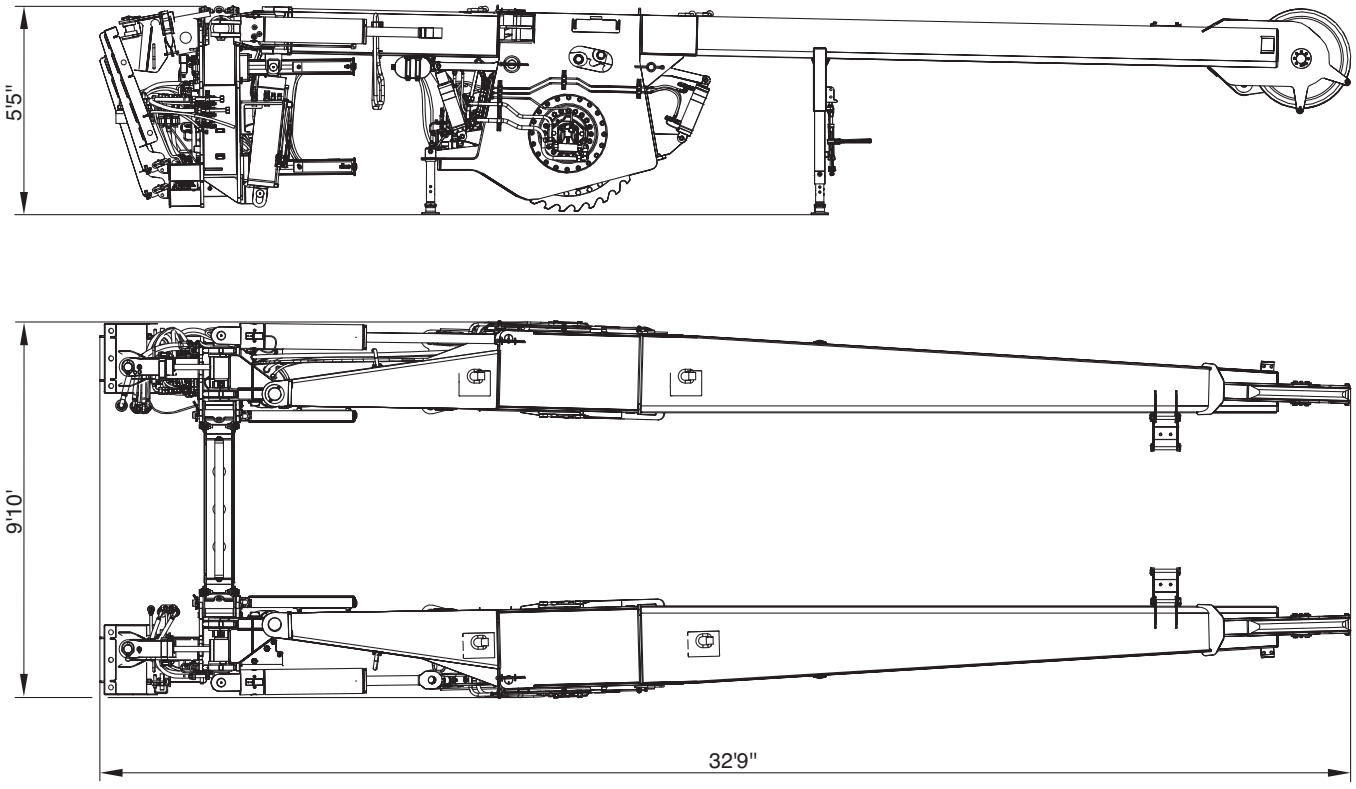
Counterweight adapter frame (XL)



Transportation

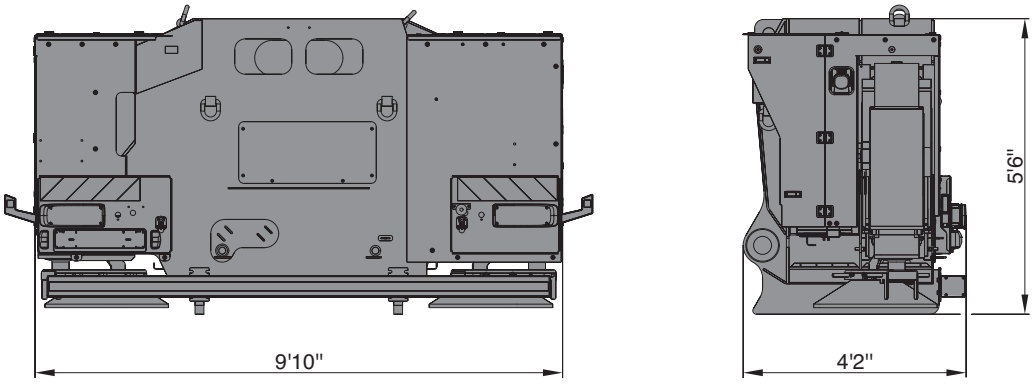
Sideways Superlift (SSL)

lbs
26,700



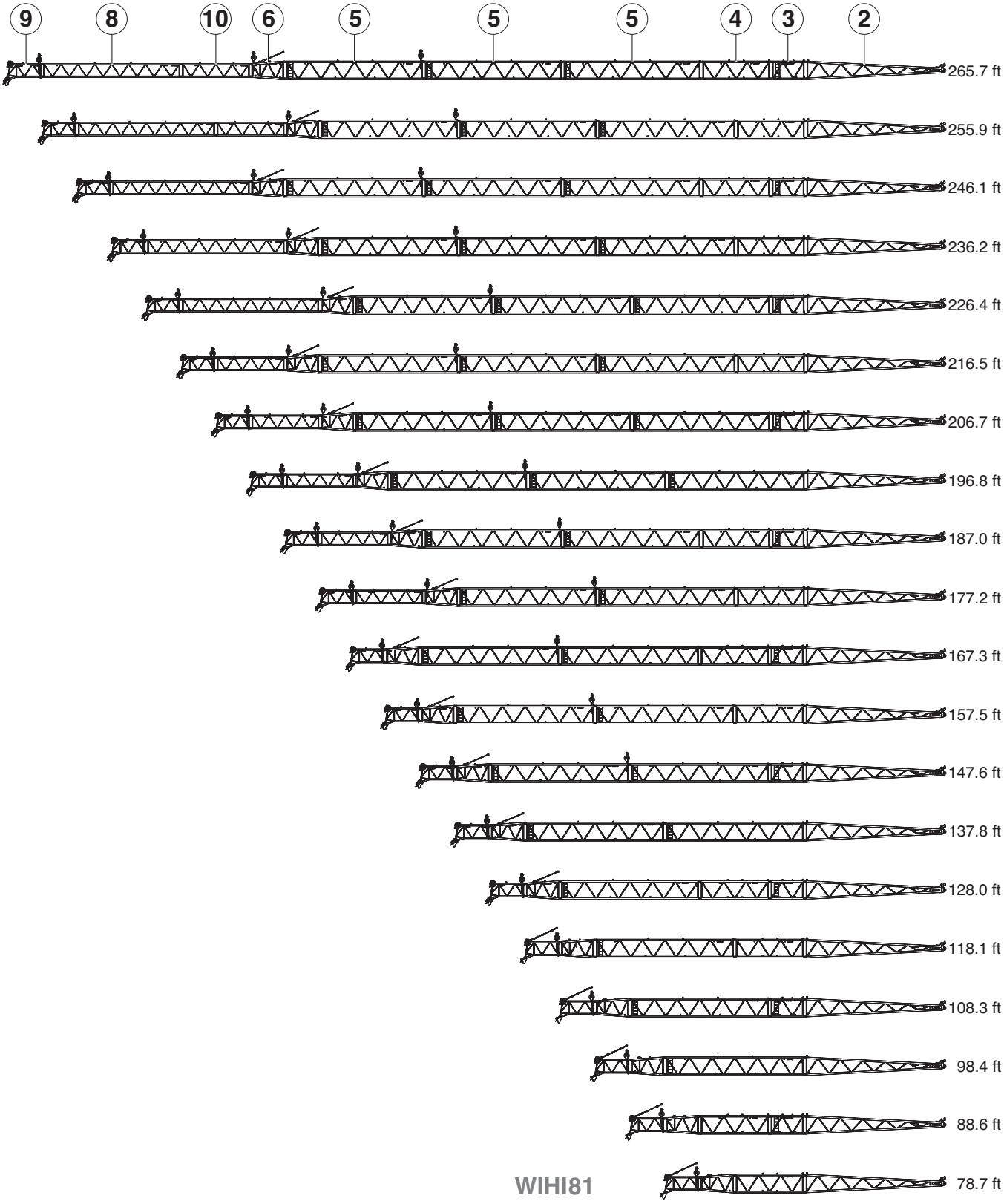
Removable rear outrigger box

lbs
12,600



Transportation

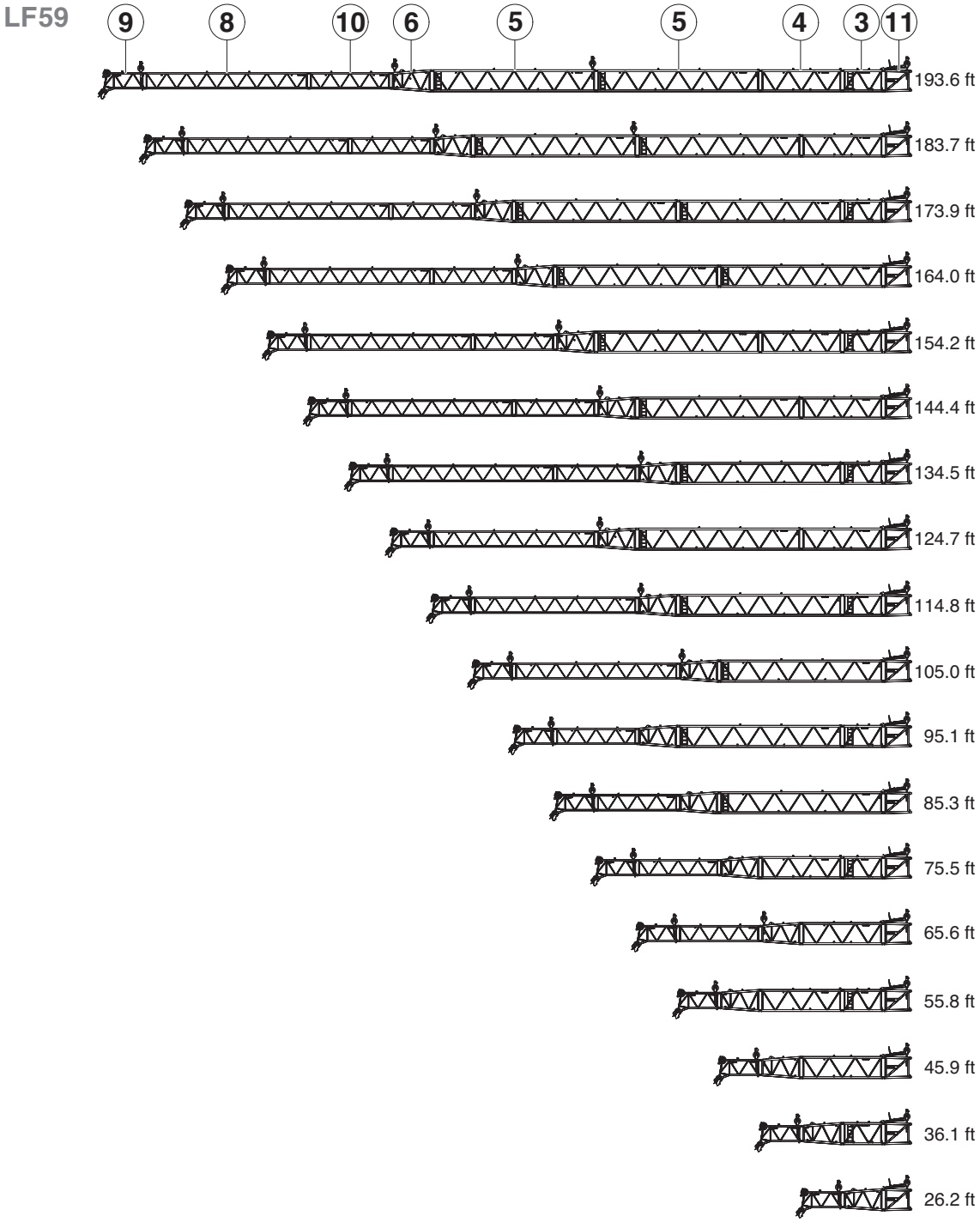
Jib



WIHI81

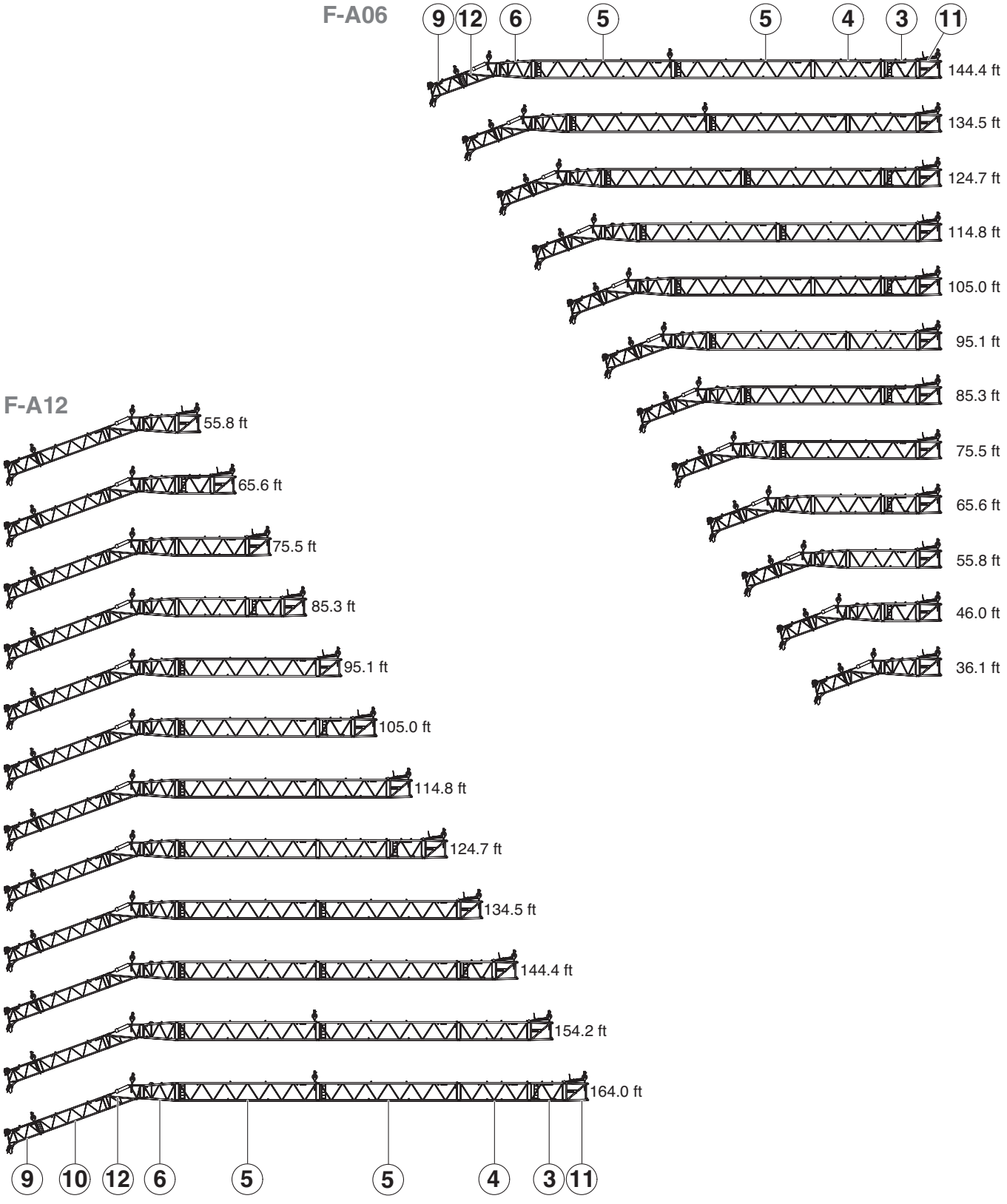
Transportation

Jib



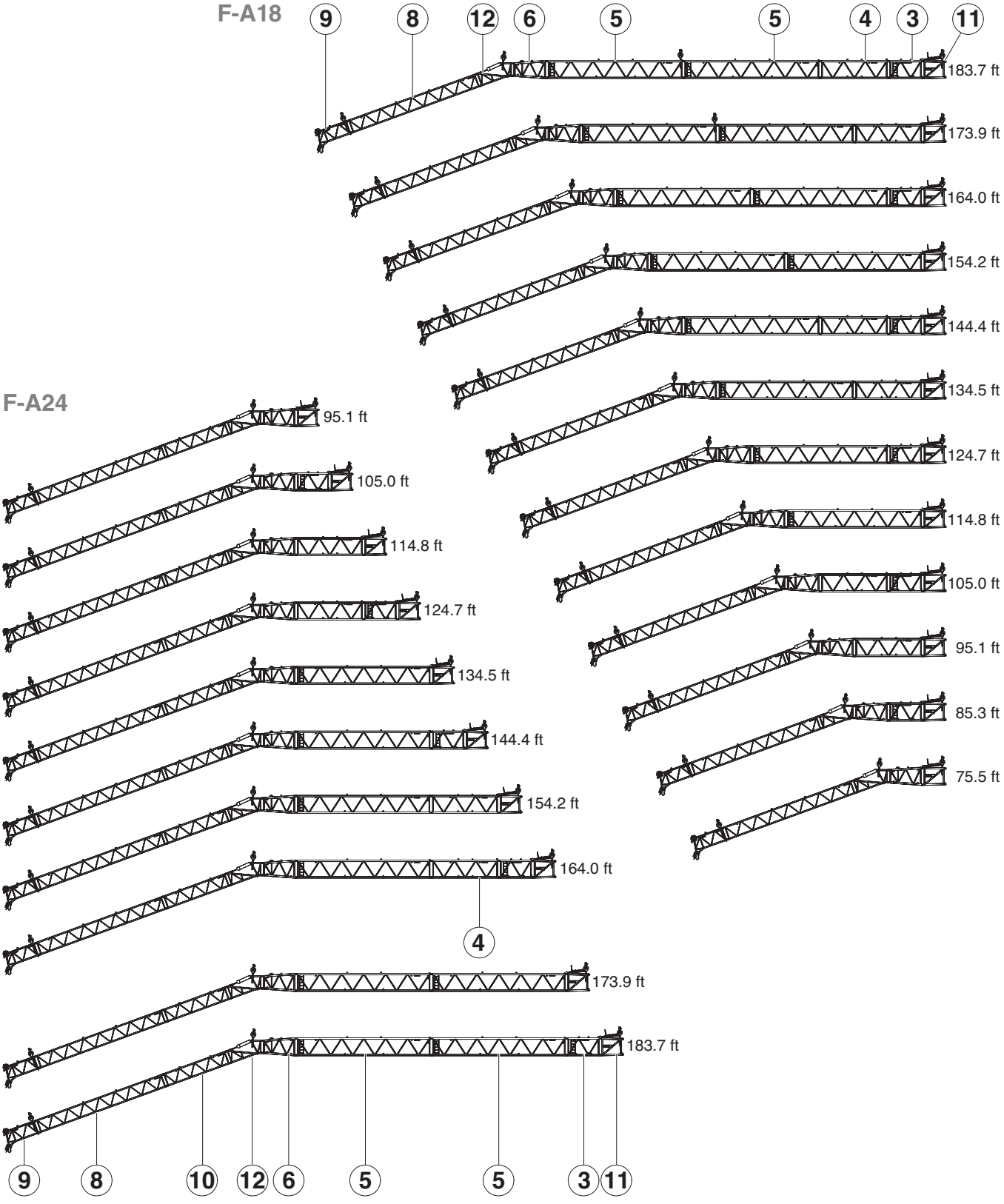
Transportation

Jib



Transportation

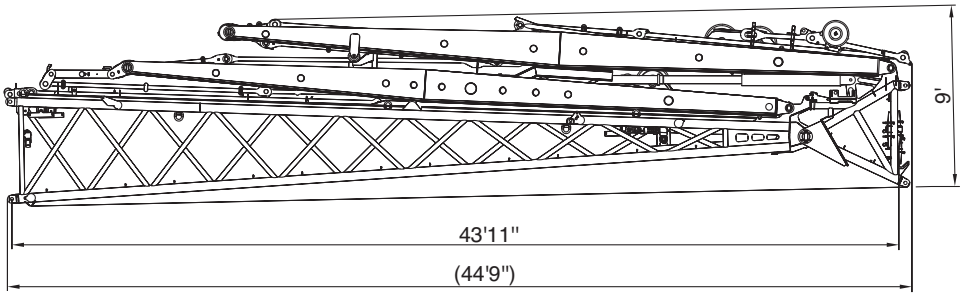
Jib



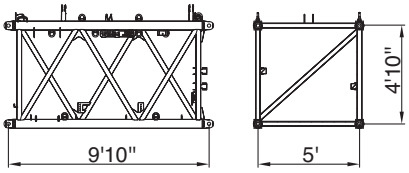
Transportation

Jib

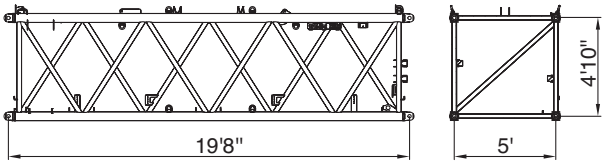
1 2 lbs 14,600



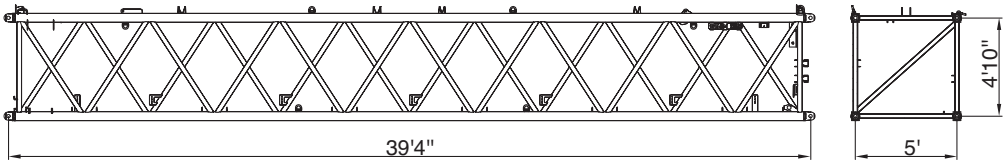
3 lbs 1,450



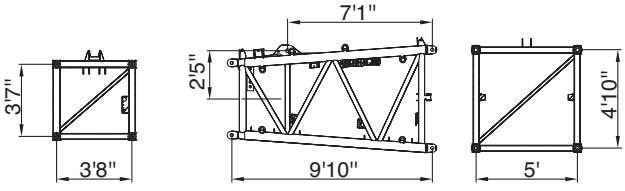
4 lbs 2,350



5 lbs 3,900



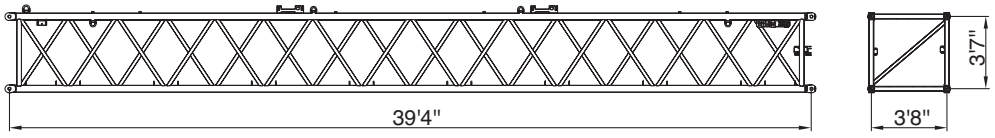
6 lbs 1,800



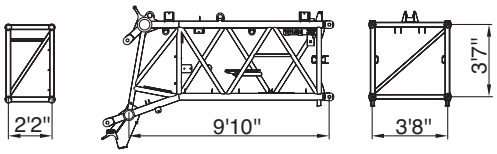
Transportation

Jib

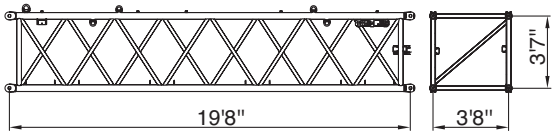
8 lbs
2,750



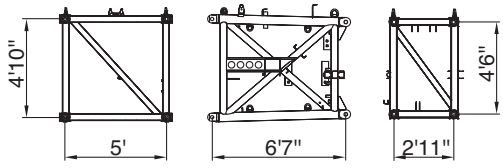
9 lbs
2,400



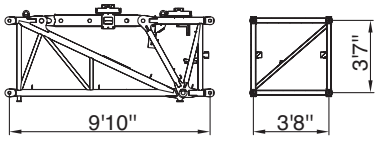
10 lbs
1,500



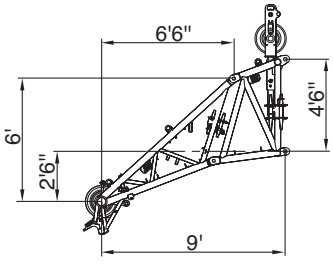
11 lbs
1,800



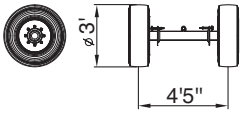
12 lbs
1,950
3,100 (HY)



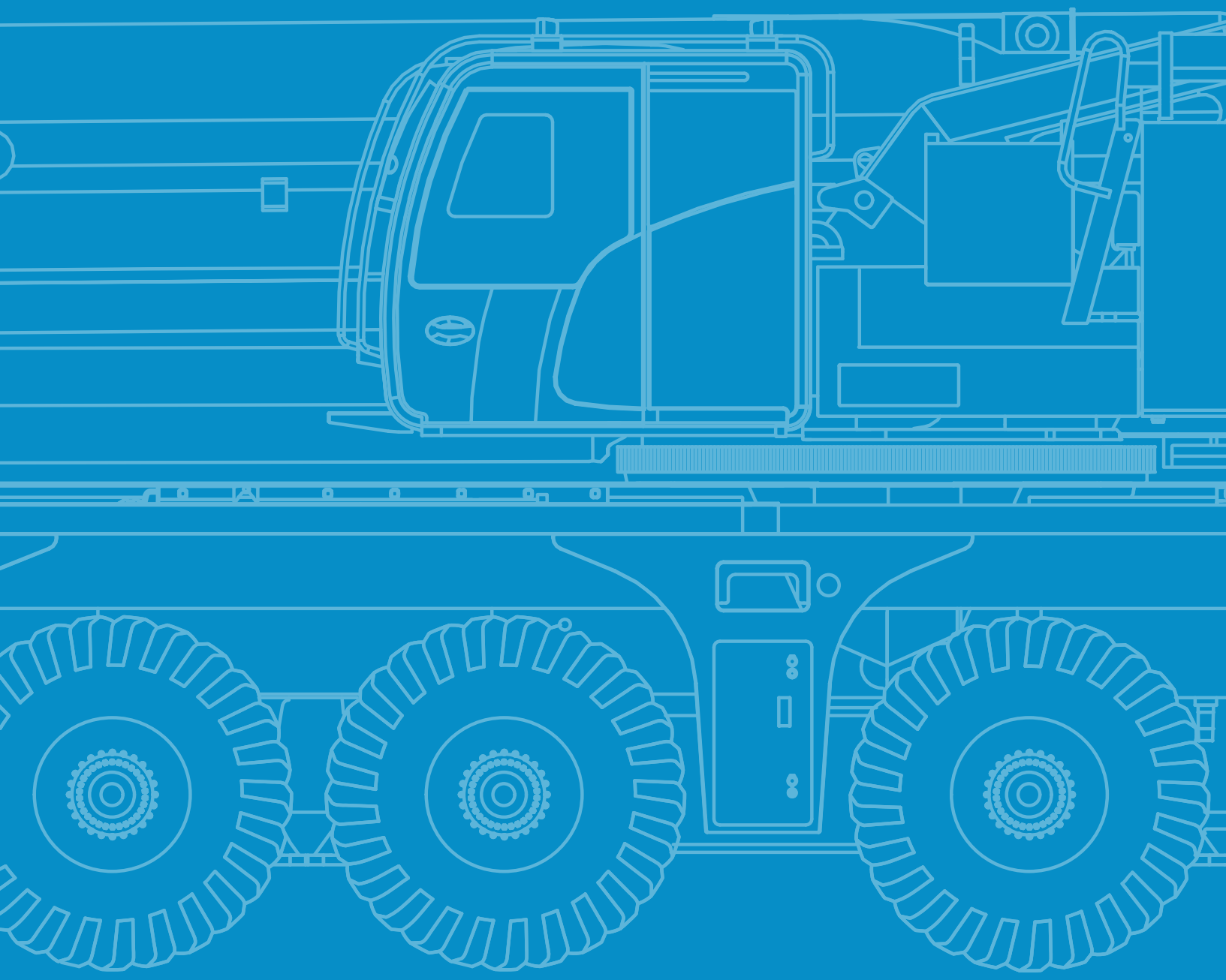
lbs
1,050



lbs
750



TECHNICAL DATA FOR OPERATION



Notes

Operation

Main boom

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

Slewing

	1,0 min^{-1}

Hoist

		lbs		
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

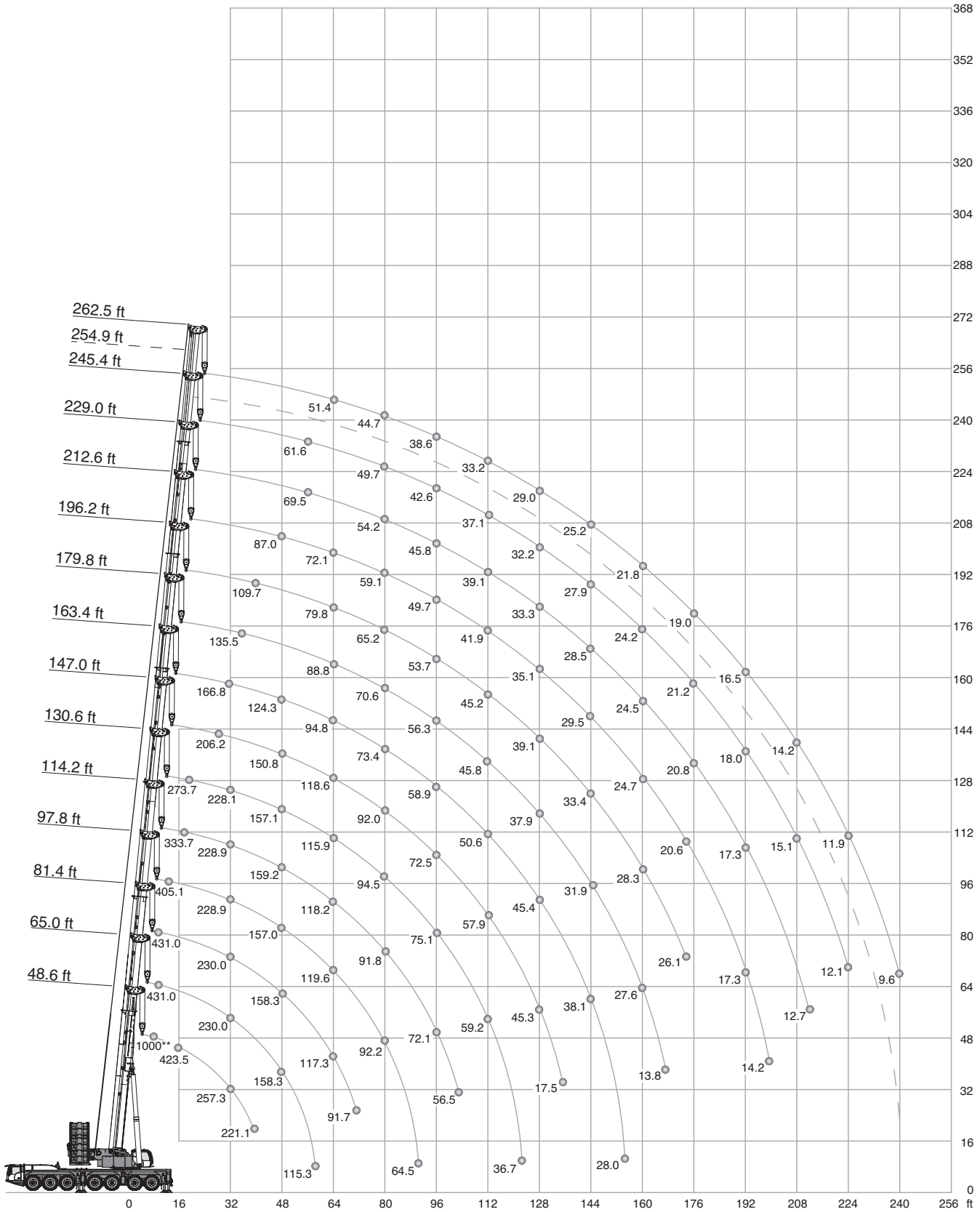
Max.	308,700 lbs	324,100 lbs
	23.6“	26“

Hook Blocks

	lbs			lbs	
26,500 lbs	26,000 lbs	–	1	1,100	6.6 ft
88,200 lbs	77,400 lbs	1	3	2,650	8.9 ft
176,400 lbs	177,100 lbs	3	7	3,530	9.8 ft
275,600 lbs	272,800 lbs	5	11	4,630	9.8 ft
352,800 lbs	342,000 lbs	7	14	4,850	9.8 ft
441,000 lbs	431,000 lbs	9	18	5,070	9.8 ft

Operation

HA



** Max. crane capacity – with additional special equipment

Operation

330,700 lbs | 18.4 ft (STD) | 27.0 ft x 27.7 ft | 360° | ASME B30.5

ft	0° 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
								(ft)									
								1,000 lbs									
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	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	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	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	88
96	-	-	-	-	-	72.1	75.1	72.5	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	96
104	-	-	-	-	-	56.5	67.3	64.6	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	104
112	-	-	-	-	-	-	59.2	57.9	50.6	45.8	45.2	41.9	39.1	37.1	34.7	33.2	112
120	-	-	-	-	-	-	36.7	52.1	48.1	41.4	42.1	38.3	36.0	34.5	32.3	30.9	120
128	-	-	-	-	-	-	-	45.3	45.4	37.9	39.1	35.1	33.3	32.2	30.0	29.0	128
136	-	-	-	-	-	-	-	36.1	42.2	34.5	36.3	32.3	30.7	29.9	27.8	27.1	136
144	-	-	-	-	-	-	-	17.5	38.1	31.9	33.4	29.5	28.5	27.9	25.9	25.2	144
152	-	-	-	-	-	-	-	-	28.0	29.5	30.9	27.0	26.4	25.8	24.0	23.4	152
160	-	-	-	-	-	-	-	-	24.2	27.6	28.3	24.7	24.5	24.2	22.4	21.8	160
168	-	-	-	-	-	-	-	-	-	14.7	26.1	22.6	22.7	22.6	20.9	20.4	168
176	-	-	-	-	-	-	-	-	-	13.8	24.1	20.6	20.8	21.2	19.4	19.0	176
184	-	-	-	-	-	-	-	-	-	-	-	19.1	19.0	19.6	18.0	17.7	184
192	-	-	-	-	-	-	-	-	-	-	-	17.3	17.3	18.0	16.7	16.5	192
200	-	-	-	-	-	-	-	-	-	-	-	14.2	16.3	16.5	15.5	15.3	200
208	-	-	-	-	-	-	-	-	-	-	-	11.2	14.7	15.1	14.2	14.2	208
216	-	-	-	-	-	-	-	-	-	-	-	10.4	12.7	13.8	12.9	13.1	216
224	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	11.8	11.9	224
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.6	10.7	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	9.6	240
1)	73.6	73.6	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

330,700 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[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

HA

264,600 lbs	19.7 ft (XL)	27.0 ft x 27.7 ft	360°	ASME B30.5

	(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															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	72
80	-	-	-	87.2	87.7	88.0	85.2	73.4	70.6	65.2	59.1	54.2	49.7	47.2	44.7	80
88	-	-	-	64.5	78.6	76.6	73.7	65.5	62.9	59.3	54.0	49.9	46.0	43.4	41.6	88
96	-	-	-	-	69.3	67.2	64.3	58.9	56.3	53.7	49.7	45.8	42.6	40.2	38.6	96
104	-	-	-	-	56.1	59.5	56.7	53.3	50.7	49.0	45.7	42.3	39.8	37.2	35.6	104
112	-	-	-	-	-	53.0	50.2	50.5	45.8	45.2	41.9	39.1	37.1	34.7	33.2	112
120	-	-	-	-	-	36.7	44.9	47.1	41.4	42.1	38.3	36.0	34.5	32.3	30.9	120
128	-	-	-	-	-	-	41.5	42.3	37.1	39.1	35.1	33.3	32.2	30.0	29.0	128
136	-	-	-	-	-	-	36.1	38.3	34.3	36.2	32.3	30.7	29.9	27.8	27.1	136
144	-	-	-	-	-	-	17.5	34.6	31.0	32.6	29.5	28.5	27.9	25.9	25.2	144
152	-	-	-	-	-	-	-	28.0	28.5	29.1	26.7	26.4	25.8	24.0	23.4	152
160	-	-	-	-	-	-	-	24.2	27.6	26.3	23.8	24.5	24.2	22.4	21.8	160
168	-	-	-	-	-	-	-	-	14.7	23.6	21.8	22.4	22.6	20.9	20.4	168
176	-	-	-	-	-	-	-	-	13.8	21.5	20.3	20.0	21.2	19.4	19.0	176
184	-	-	-	-	-	-	-	-	-	-	18.9	18.4	19.1	18.0	17.7	184
192	-	-	-	-	-	-	-	-	-	-	17.2	17.2	17.0	16.6	16.4	192
200	-	-	-	-	-	-	-	-	-	-	14.2	16.3	15.3	14.8	15.0	200
208	-	-	-	-	-	-	-	-	-	-	11.2	14.7	13.6	13.2	13.4	208
216	-	-	-	-	-	-	-	-	-	-	10.4	12.7	12.0	11.6	11.8	216
224	-	-	-	-	-	-	-	-	-	-	-	-	10.7	10.2	10.4	224
232	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	9.1	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	7.9	240
1)	73.6	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

132,300 lbs	19.7 ft (XL)	27.0 ft x 27.7 ft	360°	ASME B30.5

	(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															ft
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)

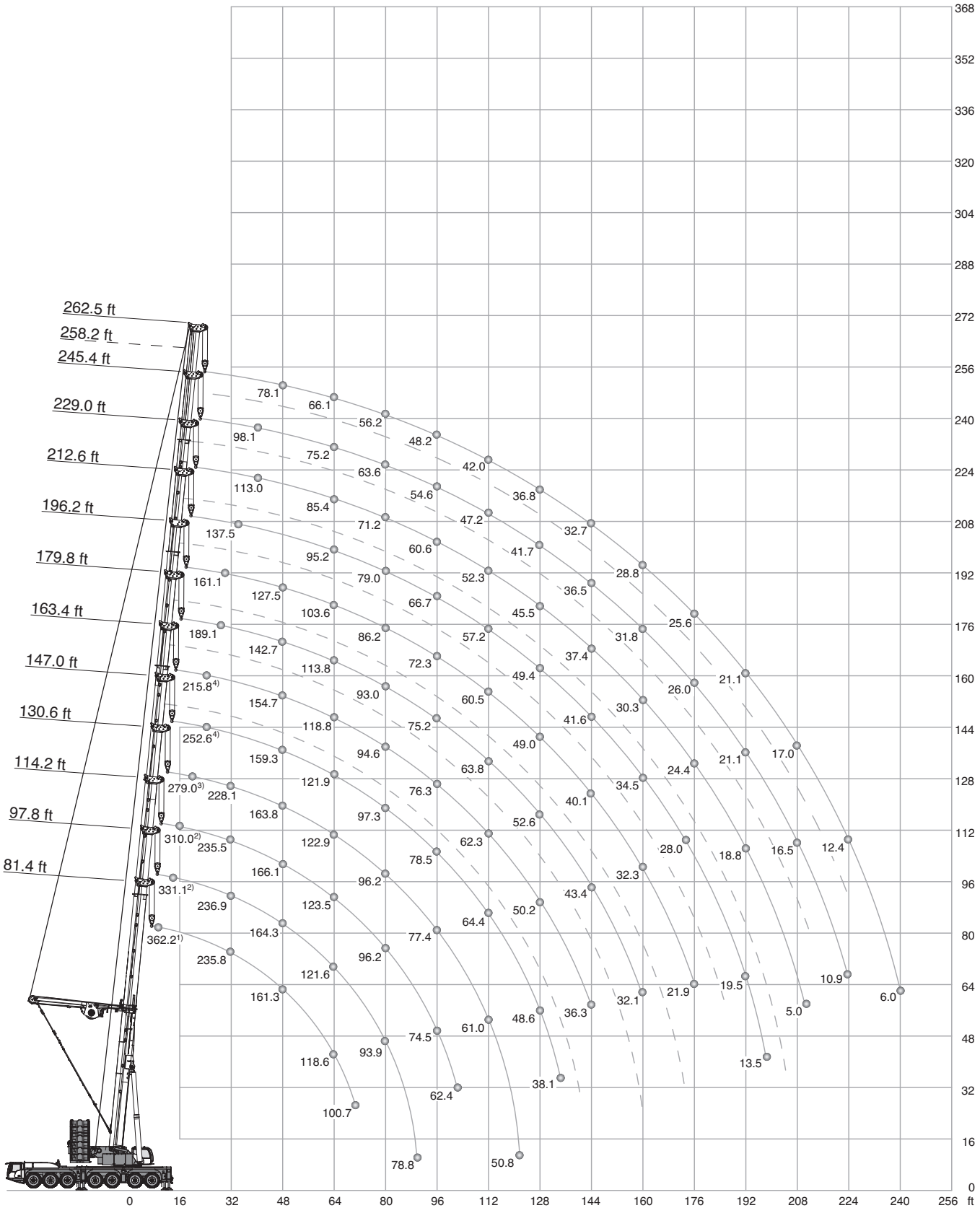
1) Capacities with horizontal boom

Operation

44,100 lbs	19.7 ft (XL)	27.0 ft x 27.7 ft	360°	ASME B30.5

(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															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


262.5 ft
258.2 ft
245.4 ft
229.0 ft
212.6 ft
196.2 ft
179.8 ft
163.4 ft
147.0 ft
130.6 ft
114.2 ft
97.8 ft
81.4 ft
78.1
66.1
56.2
48.2
42.0
36.8
32.7
28.8
25.6
21.1
17.0
12.4
98.1
75.2
63.6
54.6
47.2
41.7
36.5
31.8
26.0
21.1
16.5
10.9
113.0
85.4
71.2
60.6
52.3
45.5
37.4
30.3
24.4
18.8
13.5
137.5
95.2
79.0
66.7
57.2
49.4
41.6
34.5
28.0
21.9
161.1
127.5
103.6
86.2
72.3
60.5
49.0
40.1
32.3
189.1
142.7
113.8
93.0
75.2
63.8
52.6
43.4
215.8 4)
154.7
118.8
94.6
76.3
62.3
50.2
252.6 4)
159.3
121.9
97.3
78.5
64.4
279.0 3)
228.1
163.8
122.9
96.2
77.4
310.0 2)
235.5
166.1
123.5
96.2
331.1 2)
236.9
164.3
121.6
362.2 1)
235.8
161.3
118.6
93.9
74.5
61.0
48.6
36.3
32.1
21.9
19.5
5.0
6.0
100.7
62.4
38.1
78.8
50.8
0
16
32
48
64
80
96
112
128
144
160
176
192
208
224
240
256
ft
368
352
336
320
304
288
272
256
240
224
208
192
176
160
144
128
112
96
80
64
48
32
16
0

Operation

HA-SSL

330,700 lbs | 19.7 ft (XL) | 27.0 ft x 27.7 ft | 360° | ASME B30.5

ft	(ft) 81.4	97.8	114.2	130.6	147.0	152.6	163.4	171.6	179.8	186.0	196.2	204.4	212.6	218.8	229.0	237.2	245.4	258.2	262.5	ft
	1,000 lbs																			
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	19.0	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	12.2	10.4	13.5	16.5	16.9	17.0	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	5.0	9.7	14.1	14.9	15.1	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

264,600 lbs | 19.7 ft (XL) | 27.0 ft x 27.7 ft | 360° | ASME B30.5

(ft)

ft	81.4	97.8	114.2	130.6	147.0	152.6	163.4	171.6	179.8	186.0	196.2	204.4	212.6	218.8	229.0	237.2	245.4	258.2	262.5	ft
	1,000 lbs																			
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	11.6	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	7.8	9.2	10.1	9.9	9.9	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	4.8	7.6	8.5	8.3	8.3	216
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	6.9	6.9	224

1) 242,500 lbs

Operation

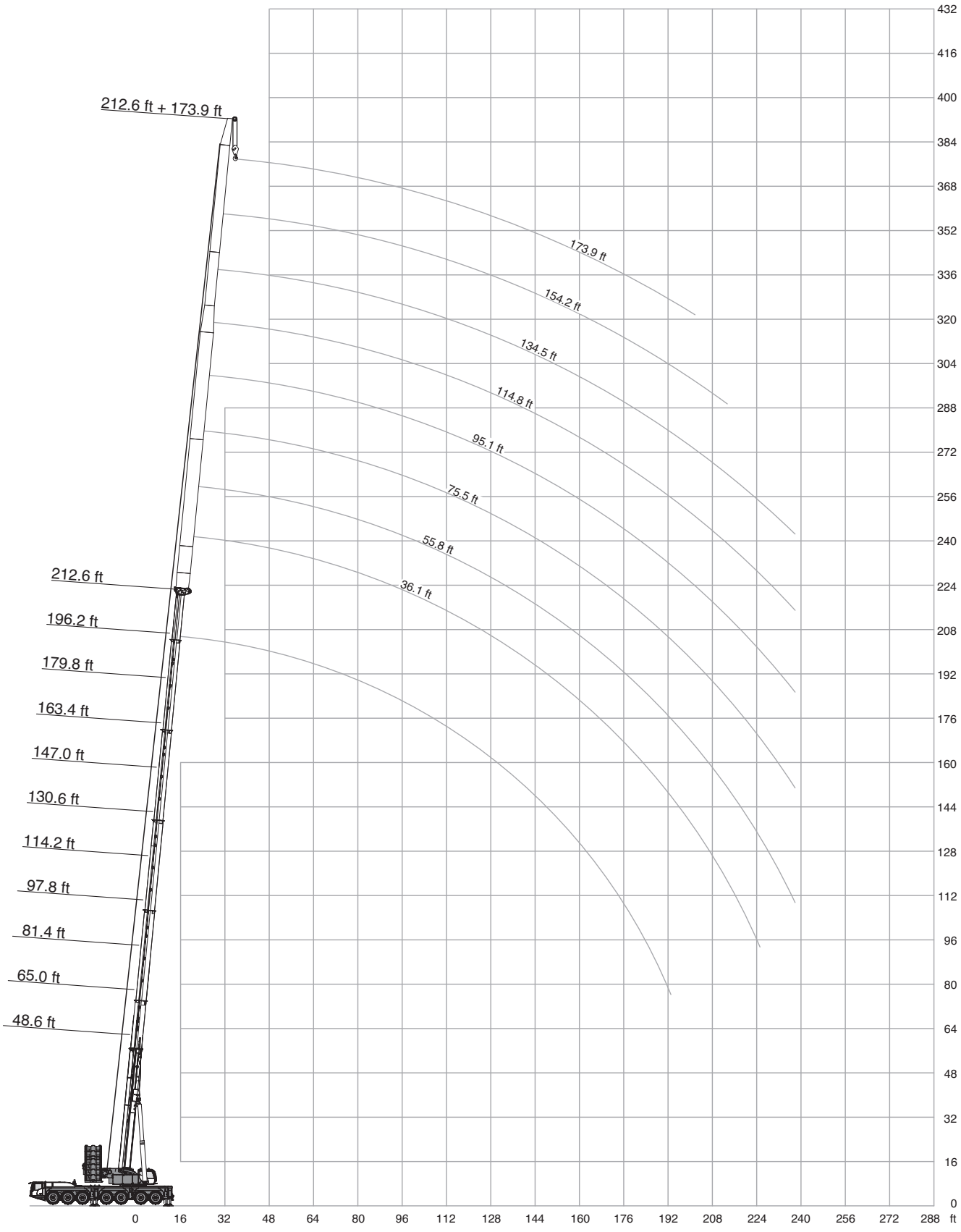
HA-SSL

132,300 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	1,000 lbs																			ft
10	362.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	356.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	352.1	331.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
16	348.9	325.2	310.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
18	327.4	316.0	303.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
20	308.7	305.3	296.2	279.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
24	269.9	269.9	267.7	259.0	246.7	229.5	215.8	-	-	-	-	-	-	-	-	-	-	-	-	24
28	235.5	238.3	237.7	228.5	214.4	208.8	201.2	194.5	185.8	-	-	-	-	-	-	-	-	-	-	28
30	218.9	222.2	224.2	214.1	203.3	197.1	190.1	186.1	178.3	170.5	161.0	146.0	-	-	-	-	-	-	-	30
32	202.6	206.0	207.5	198.0	189.8	184.7	178.7	174.7	168.8	163.2	156.7	143.3	-	-	-	-	-	-	-	32
34	188.8	192.3	193.4	184.5	179.4	176.3	169.1	166.6	159.4	155.9	149.5	143.2	137.0	124.8	-	-	-	-	-	34
36	176.7	180.2	180.5	172.5	168.3	166.4	158.8	156.5	154.5	147.9	143.7	136.4	133.1	121.8	-	-	-	-	-	36
40	148.7	153.4	155.5	149.7	146.9	145.6	138.6	137.1	136.1	134.4	126.1	124.8	120.9	116.2	111.9	105.5	98.1	-	-	40
48	109.3	113.5	116.2	115.9	115.9	115.3	109.4	108.4	107.9	106.7	99.7	98.9	98.3	96.9	89.0	88.4	87.3	80.8	78.1	48
56	82.7	87.0	89.5	89.5	91.0	91.4	87.3	87.4	87.7	86.8	80.4	80.1	80.0	78.9	71.7	71.3	71.4	69.5	68.9	56
64	64.3	68.2	70.6	70.4	71.9	72.4	69.3	70.2	71.1	71.1	65.9	65.9	66.1	65.2	58.4	58.4	58.6	57.0	57.0	64
72	51.0	54.7	56.9	56.9	58.3	58.7	55.6	56.5	57.6	57.8	53.8	54.7	55.1	54.5	47.8	48.1	48.5	47.2	47.2	72
80	-	45.0	47.2	47.0	48.3	48.6	45.6	46.5	47.6	47.9	43.8	44.7	45.6	45.9	39.6	40.1	40.6	39.5	39.5	80
88	-	37.0	39.3	39.0	40.4	40.8	37.7	38.6	39.7	39.9	35.7	36.6	37.5	37.9	32.4	33.0	33.8	32.9	32.9	88
96	-	30.6	32.9	32.4	33.8	34.2	31.0	31.9	33.0	33.2	29.0	29.9	30.8	31.2	25.8	26.5	27.6	26.7	26.8	96
104	-	-	27.5	27.1	28.4	28.7	25.5	26.4	27.5	27.7	23.6	24.4	25.3	25.6	20.3	21.1	22.2	21.5	21.8	104
112	-	-	-	22.5	23.8	24.2	21.2	21.8	22.9	23.1	19.0	19.8	20.7	21.0	15.9	16.5	17.6	17.4	17.4	112
120	-	-	-	18.9	20.1	20.4	17.3	18.1	19.2	19.3	15.3	16.2	16.9	17.3	12.2	12.8	13.9	13.7	13.8	120
128	-	-	-	15.9	16.8	17.3	14.2	14.9	15.9	16.1	12.0	12.9	13.7	14.0	8.9	9.6	10.7	10.5	10.7	128
136	-	-	-	-	14.2	14.5	11.4	12.1	13.1	13.2	9.2	10.1	10.7	11.0	6.1	6.8	7.9	7.7	7.9	136
144	-	-	-	-	-	12.2	9.1	9.8	10.7	10.7	6.7	7.6	8.3	8.5	-	-	5.4	5.2	5.4	144
152	-	-	-	-	-	-	-	7.7	8.6	8.6	-	-	6.1	6.4	-	-	-	-	-	152
160	-	-	-	-	-	-	-	6.0	6.8	6.8	-	-	-	-	-	-	-	-	-	160

Operation

LF



Operation

LF

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

ft	36.1 ft	55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	ft
	1,000 lbs									
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	14.9	80
88	51.8	47.5	42.0	34.1	28.9	24.8	19.9	16.6	14.1	88
96	47.4	43.3	39.5	32.1	27.2	23.2	18.8	15.7	13.3	96
104	43.3	39.7	36.9	30.4	25.6	21.8	17.8	14.7	12.4	104
112	39.3	36.4	34.2	28.8	24.2	20.4	16.7	13.8	11.6	112
120	35.8	33.5	31.6	27.2	22.8	19.4	15.6	13.0	10.8	120
128	32.5	30.6	29.2	25.6	21.6	18.3	14.7	12.2	10.1	128
136	29.5	27.9	26.8	24.0	20.7	17.2	13.8	11.4	9.4	136
144	26.6	25.5	24.6	22.3	19.7	16.4	13.0	10.8	8.6	144
152	23.9	23.3	22.5	20.9	18.8	15.5	12.2	10.1	8.1	152
160	21.6	21.1	20.7	19.4	17.8	14.7	11.5	9.5	7.5	160
168	19.5	19.1	19.0	18.0	16.9	13.9	10.9	8.9	6.9	168
176	17.5	17.2	17.2	16.5	15.8	13.1	10.2	8.3	6.5	176
184	15.6	15.5	15.7	15.2	14.7	12.4	9.7	7.7	5.9	184
192	13.5	13.8	14.2	13.8	13.6	11.7	9.1	7.2	5.4	192
200	10.5	12.2	12.8	12.5	12.4	10.9	8.6	6.6	5.0	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

ft	36.1 ft	55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	ft
					1,000 lbs					
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

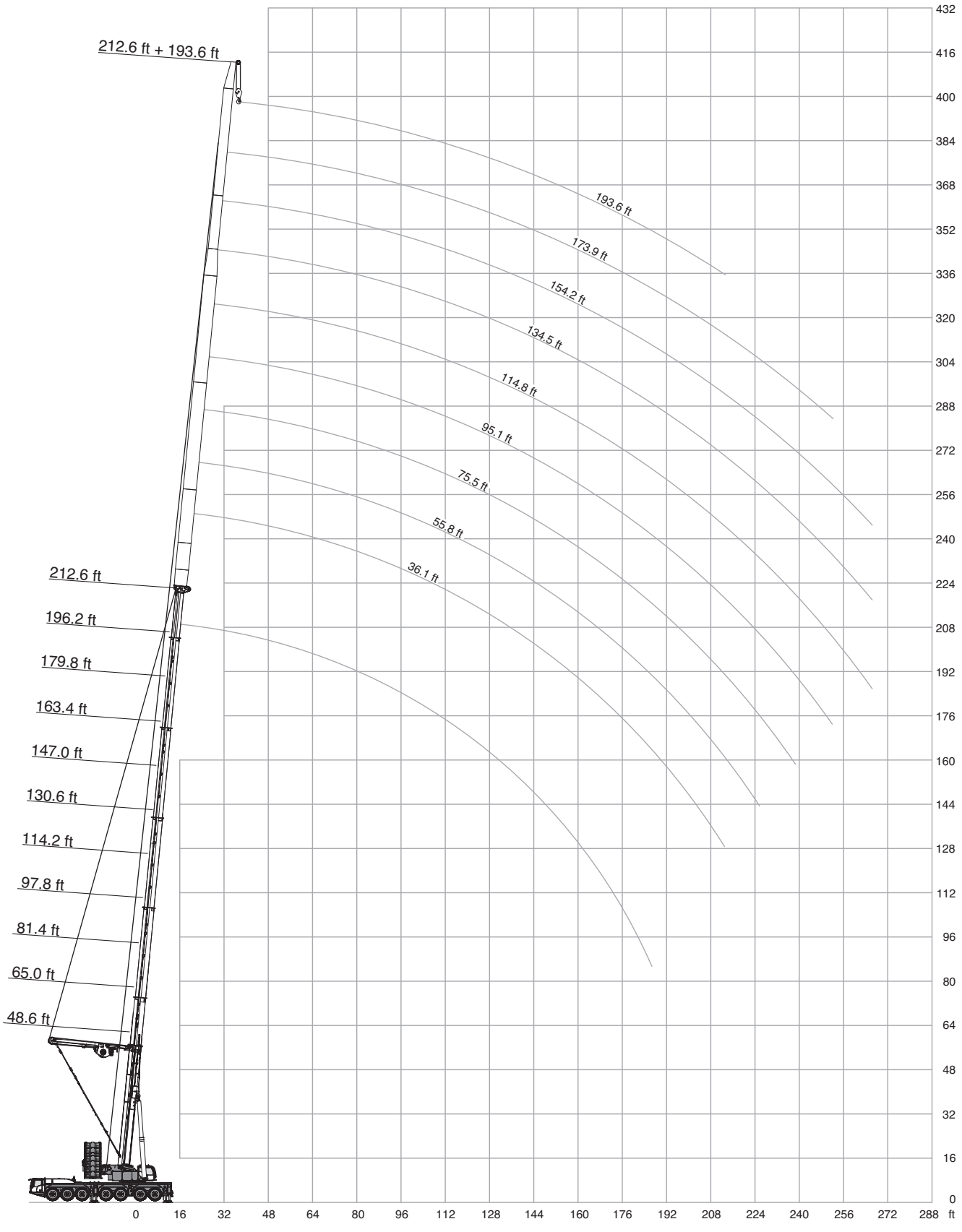
Operation

LF

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

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

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


212.6 ft + 193.6 ft
193.6 ft
173.9 ft
154.2 ft
134.5 ft
114.8 ft
95.1 ft
75.5 ft
55.8 ft
36.1 ft
212.6 ft
196.2 ft
179.8 ft
163.4 ft
147.0 ft
130.6 ft
114.2 ft
97.8 ft
81.4 ft
65.0 ft
48.6 ft
0 16 32 48 64 80 96 112 128 144 160 176 192 208 224 240 256 272 288 ft
0 16 32 48 64 80 96 112 128 144 160 176 192 208 224 240 256 272 288 304 320 336 352 368 384 400 416 432

Operation

LF-SSL

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

ft	36.1 ft	55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	ft
	1,000 lbs									
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	88
96	59.8	54.1	43.9	35.5	29.7	25.3	21.7	17.8	15.0	96
104	54.4	49.7	41.5	33.5	27.8	23.6	20.0	16.5	13.8	104
112	49.8	45.9	39.1	31.4	26.4	22.2	18.7	15.4	12.7	112
120	46.1	42.4	36.8	29.6	24.8	20.9	17.6	14.3	11.9	120
128	42.8	39.1	34.6	28.0	23.3	19.7	16.5	13.2	10.9	128
136	38.7	36.3	32.6	26.4	21.9	18.5	15.5	12.3	10.1	136
144	34.4	33.6	30.7	25.0	20.8	17.5	14.6	11.5	9.3	144
152	30.6	31.2	28.8	23.9	19.7	16.4	13.6	10.7	8.5	152
160	27.2	28.3	27.0	22.8	18.6	15.5	12.8	10.1	8.0	160
168	24.1	25.3	25.2	21.8	17.7	14.7	11.9	9.4	7.4	168
176	21.2	22.5	23.4	20.9	16.9	14.0	11.1	8.9	6.7	176
184	17.2	20.0	21.1	19.8	16.2	13.3	10.6	8.4	6.2	184
192	12.7	17.4	18.7	18.6	15.5	12.6	10.0	7.8	5.6	192
200	7.2	14.2	16.6	17.2	14.8	12.0	9.3	7.3	5.2	200
208	-	10.5	14.3	15.5	14.2	11.4	8.8	6.7	4.8	208
216	-	6.4	11.8	13.6	13.5	10.8	8.4	6.2	4.4	216
224	-	-	8.8	11.7	12.6	10.4	7.9	5.8	-	224
232	-	-	-	9.6	11.5	10.0	7.4	5.4	-	232
240	-	-	-	7.1	10.0	9.4	7.1	5.0	-	240
248	-	-	-	-	8.1	8.6	6.8	-	-	248
256	-	-	-	-	-	7.7	6.4	-	-	256
264	-	-	-	-	-	5.9	6.0	-	-	264

132,300 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

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

132,300 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

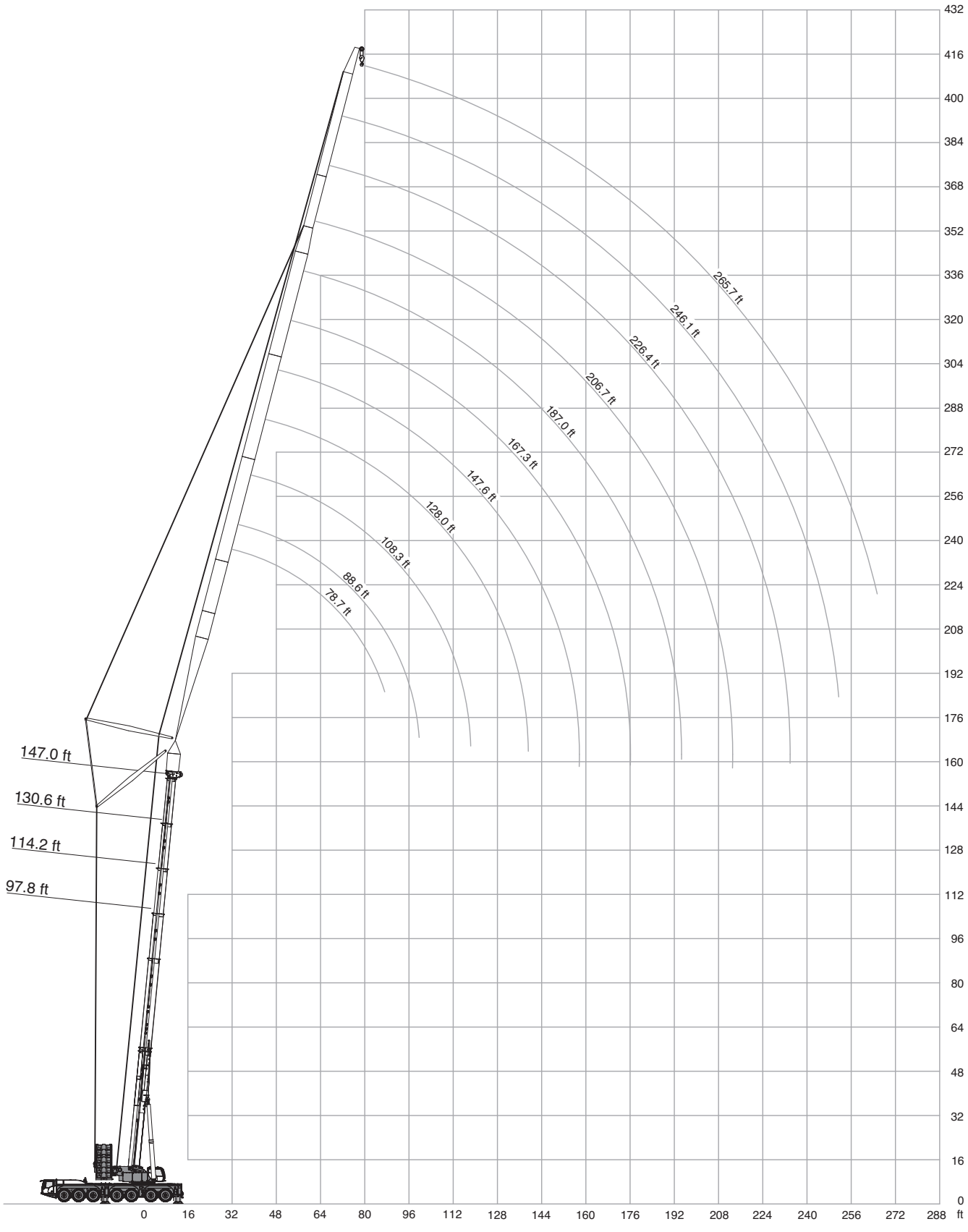
Operation

LF-SSL

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

ft	36.1 ft	55.8 ft	75.5 ft	95.1 ft	114.8 ft	134.5 ft	154.2 ft	173.9 ft	193.6 ft	ft
					1,000 lbs					
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


265.7 ft
246.1 ft
226.4 ft
206.7 ft
187.0 ft
167.3 ft
147.6 ft
128.0 ft
108.3 ft
88.6 ft
78.7 ft
147.0 ft
130.6 ft
114.2 ft
97.8 ft
0
16
32
48
64
80
96
112
128
144
160
176
192
208
224
240
256
272
288
ft
432
416
400
384
368
352
336
320
304
288
272
256
240
224
208
192
176
160
144
128
112
96
80
64
48
32
16
0

Operation

WIHI

19.7 ft (XL) | 360° | ASME B30.5

97.8 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
					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 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 65°	ft
					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

ft	226.4 ft			246.1 ft			265.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	
	1,000 lbs									
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

WIHI

19.7 ft (XL) | 360° | ASME B30.5

114.2 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
					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

ft	147.6 ft 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 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 | 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 84°	226.4 ft 73°	226.4 ft 65°	246.1 ft 84°	246.1 ft 73°	246.1 ft 65°	265.7 ft 84°	265.7 ft 73°	265.7 ft 65°	ft
				1,000 lbs						
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

WIHI

19.7 ft (XL) | 360° | ASME B30.5

130.6 ft

	78.7 ft			88.6 ft			108.3 ft			128.0 ft			
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft	1,000 lbs												ft
56	85.5	-	-	76.2	-	-	-	-	-	51.1	-	-	56
64	84.3	-	-	75.2	-	-	-	-	-	50.5	-	-	64
72	83.1	-	-	74.1	-	-	61.1	-	-	49.6	-	-	72
80	82.3	-	-	73.3	-	-	60.3	-	-	49.1	-	-	80
88	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			
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
ft	1,000 lbs												ft
64	42.1	-	-	-	-	-	-	-	-	-	-	-	64
72	41.5	-	-	34.0	-	-	-	-	-	-	-	-	72
80	40.9	-	-	33.5	-	-	28.4	-	-	21.4	-	-	80
88	40.4	-	-	33.1	-	-	27.9	-	-	21.4	-	-	88
96	39.8	-	-	32.6	-	-	27.5	-	-	21.2	-	-	96
104	39.3	-	-	32.2	-	-	27.2	-	-	20.8	-	-	104
112	38.8	-	-	31.7	-	-	26.7	-	-	20.5	-	-	112
120	38.5	-	-	31.5	-	-	26.4	-	-	20.2	-	-	120
128	38.0	36.7	-	31.2	-	-	26.1	-	-	20.0	-	-	128
136	37.8	36.3	-	30.8	29.8	-	25.9	-	-	19.7	-	-	136
144	37.5	35.7	-	30.4	29.3	-	25.6	-	-	19.6	-	-	144
152	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

Operation

WIHI

19.7 ft (XL)	360°	ASME B30.5

130.6 ft

ft	226.4 ft 84°	226.4 ft 73°	226.4 ft 65°	246.1 ft 84°	246.1 ft 73°	246.1 ft 65°	265.7 ft 84°	265.7 ft 73°	265.7 ft 65°	ft
					1,000 lbs					
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

19.7 ft (XL) | 360° | ASME B30.5

147.0 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
					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

ft	147.6 ft 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 65°	ft
					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°	84°	73°	65°	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

19.7 ft (XL) | 360° | ASME B30.5

163.4 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
						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 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 65°	ft
						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

19.7 ft (XL)				360°			ASME B30.5
163.4 ft							
	226.4 ft			246.1 ft			
	84°	73°	65°	84°	73°	65°	
ft	1,000 lbs						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

19.7 ft (XL) | 360° | ASME B30.5

179.8 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
						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 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 65°	ft
						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

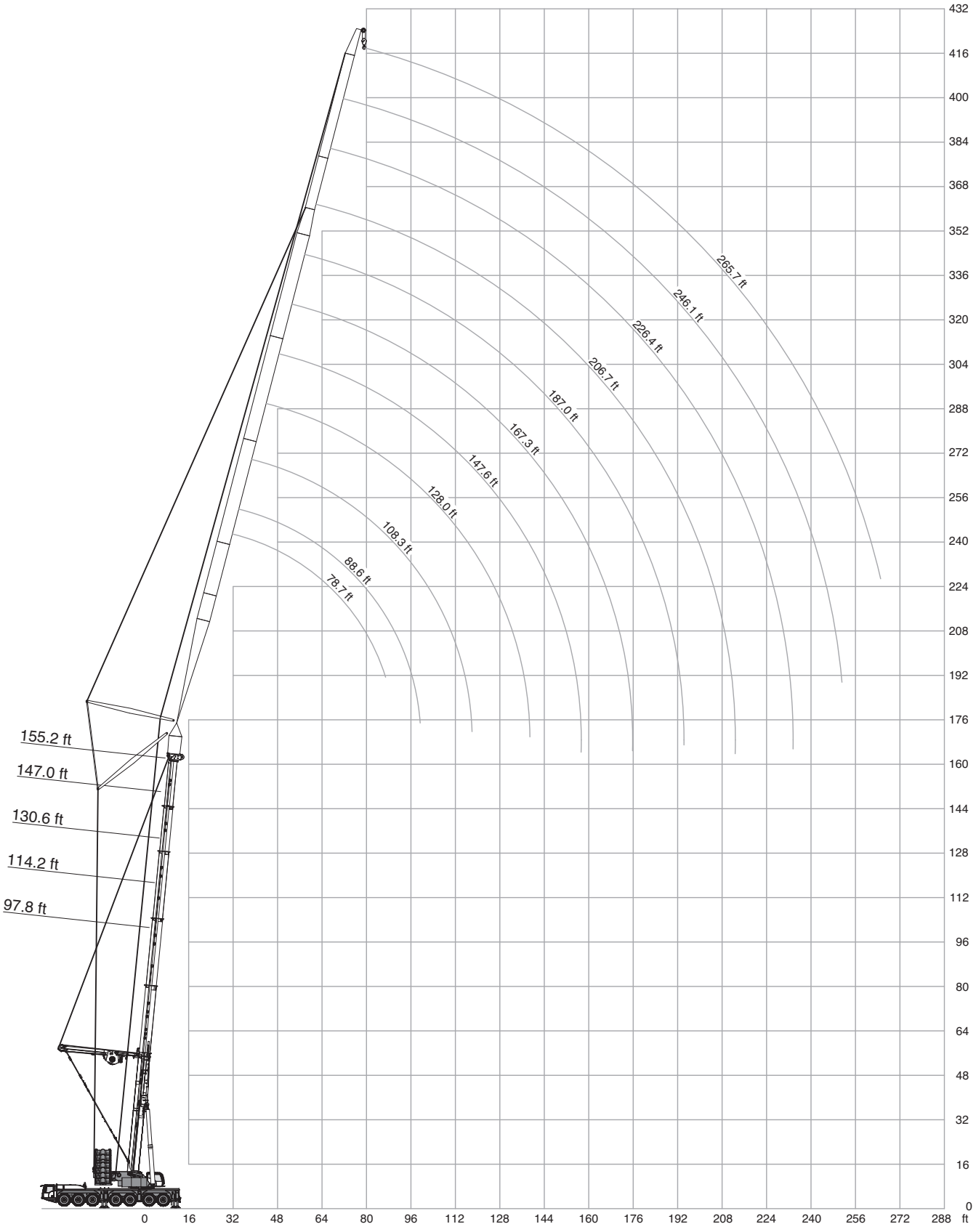
WIHI

	19.7 ft (XL)	360°	ASME B30.5
179.8 ft			
226.4 ft			

ft		84°	73°	65°	ft
		1,000 lbs			
104	6.2	-	-		104
112	6.2	-	-		112
120	6.2	-	-		120
128	6.2	-	-		128
136	6.2	-	-		136
144	6.2	-	-		144
152	6.2	-	-		152
160	6.2	-	-		160
168	6.2	-	-		168
176	6.2	-	-		176
184	6.2	-	-		184
192	6.2	-	-		192
200	6.2	-	-		200
208	6.2	-	-		208
216	6.2	-	-		216
224	6.2	-	-		224
232	6.2	-	-		232
240	6.2	-	-		240

132,300 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


265.7 ft
246.1 ft
226.4 ft
206.7 ft
187.0 ft
167.3 ft
147.6 ft
128.0 ft
108.3 ft
88.6 ft
78.7 ft
155.2 ft
147.0 ft
130.6 ft
114.2 ft
97.8 ft
0 16 32 48 64 80 96 112 128 144 160 176 192 208 224 240 256 272 288 ft
0 16 32 48 64 80 96 112 128 144 160 176 192 208 224 240 256 272 288 304 320 336 352 368 384 400 416 432

19.7 ft (XL) | 360° | ASME B30.5

97.8 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
					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 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 65°	ft
					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

ft	226.4 ft 84°	226.4 ft 73°	226.4 ft 65°	246.1 ft 84°	246.1 ft 73°	246.1 ft 65°	265.7 ft 84°	265.7 ft 73°	265.7 ft 65°	ft
					1,000 lbs					
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 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
	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

ft	147.6 ft 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 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 84°	226.4 ft 73°	226.4 ft 65°	246.1 ft 84°	246.1 ft 73°	246.1 ft 65°	265.7 ft 84°	265.7 ft 73°	265.7 ft 65°	ft
	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

19.7 ft (XL) | 360° | ASME B30.5

130.6 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
						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

ft	147.6 ft 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 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

ft	226.4 ft 84°	226.4 ft 73°	226.4 ft 65°	246.1 ft 84°	246.1 ft 73°	246.1 ft 65°	265.7 ft 84°	265.7 ft 73°	265.7 ft 65°	ft
				1,000 lbs						
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

19.7 ft (XL) | 360° | ASME B30.5

147.0 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
					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	-	-	-	-	-	-	-	-	34.5	-	41.2	-	152
160	-	-	-	-	-	-	-	-	32.5	-	38.8	31.3	160
168	-	-	-	-	-	-	-	-	30.6	-	36.8	29.3	168
176	-	-	-	-	-	-	-	-	-	-	-	27.6	176
184	-	-	-	-	-	-	-	-	-	-	-	26.0	184

ft	147.6 ft 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 65°	ft
					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

ft	226.4 ft 84°	226.4 ft 73°	226.4 ft 65°	246.1 ft 84°	246.1 ft 73°	246.1 ft 65°	265.7 ft 84°	265.7 ft 73°	265.7 ft 65°	ft
					1,000 lbs					
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

19.7 ft (XL) | 360° | ASME B30.5

155.2 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
						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

ft	147.6 ft 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 65°	ft
						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 | 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

155.2 ft

ft	226.4 ft			246.1 ft			265.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	
	1,000 lbs									
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	-	-	-	-	-	-	-	-	30.5	-	35.4	-	160
168	-	-	-	-	-	-	-	-	28.6	-	34.4	27.3	168
176	-	-	-	-	-	-	-	-	26.9	-	-	25.6	176
184	-	-	-	-	-	-	-	-	-	-	-	24.2	184
192	-	-	-	-	-	-	-	-	-	-	-	22.9	192

ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	84°	73°	65°	84°	73°	65°	84°	73°	65°	84°	73°	65°	
	1,000 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	13.9	216
224	-	-	-	-	-	16.0	-	19.0	15.1	-	16.1	13.4	224
232	-	-	-	-	-	15.2	-	-	14.3	-	15.8	12.8	232
240	-	-	-	-	-	-	-	-	13.3	-	15.5	12.1	240
248	-	-	-	-	-	-	-	-	12.6	-	15.4	11.6	248
256	-	-	-	-	-	-	-	-	-	-	-	10.8	256
264	-	-	-	-	-	-	-	-	-	-	-	10.1	264
272	-	-	-	-	-	-	-	-	-	-	-	9.5	272

132,300 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

163.4 ft

ft	226.4 ft 84°	226.4 ft 73°	226.4 ft 65°	246.1 ft 84°	246.1 ft 73°	246.1 ft 65°	ft
	1,000 lbs						
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

19.7 ft (XL) | 360° | ASME B30.5

179.8 ft

ft	78.7 ft 84°	78.7 ft 73°	78.7 ft 65°	88.6 ft 84°	88.6 ft 73°	88.6 ft 65°	108.3 ft 84°	108.3 ft 73°	108.3 ft 65°	128.0 ft 84°	128.0 ft 73°	128.0 ft 65°	ft
						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	-	-	-	-	-	-	-	-	26.6	-	28.7	-	168
176	-	-	-	-	-	-	-	-	25.1	-	28.1	21.3	176
184	-	-	-	-	-	-	-	-	-	-	-	20.5	184
192	-	-	-	-	-	-	-	-	-	-	-	19.7	192
200	-	-	-	-	-	-	-	-	-	-	-	19.0	200

ft	147.6 ft 84°	147.6 ft 73°	147.6 ft 65°	167.3 ft 84°	167.3 ft 73°	167.3 ft 65°	187.0 ft 84°	187.0 ft 73°	187.0 ft 65°	206.7 ft 84°	206.7 ft 73°	206.7 ft 65°	ft
						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

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	8.1	240
248	14.1	10.4	7.8	248
256	-	10.1	7.3	256
264	-	10.0	7.0	264
272	-	9.9	6.7	272
280	-	-	6.5	280
288	-	-	6.2	288
296	-	-	5.9	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

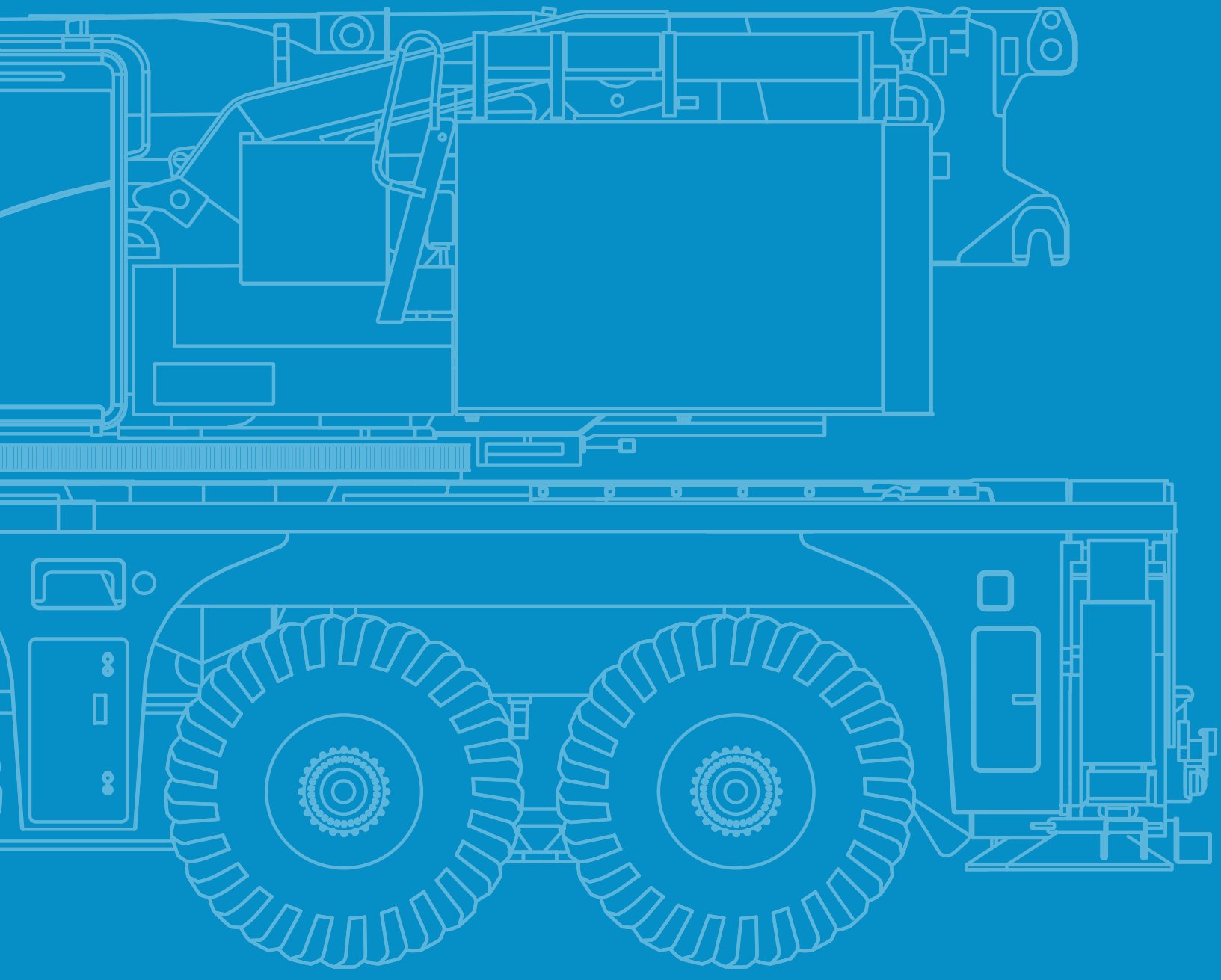
Notes to Lifting Capacity

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 ft² 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 especialy 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; 5,070 lbs; Double hook, red with white signal stripes.
Hook block 352,800 lbs, 7-sheaves	Max. capacity of 342,000 lbs; 4,850 lbs; Double hook, red with white signal stripes.
Hook block 275,600 lbs, 5-sheaves	Max. capacity of 272,800 lbs; 4,630 lbs; Double hook, red with white signal stripes.
Hook block 176,400 lbs, 3-sheaves	Max. capacity of 177,100 lbs; 3,530 lbs; Double hook, red with white signal stripes.
Hook block 88,200 lbs, 1-sheave	Max. capacity of 77,400 lbs; 2,650 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.

Notes

Notes

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Reaching new heights

TADANO