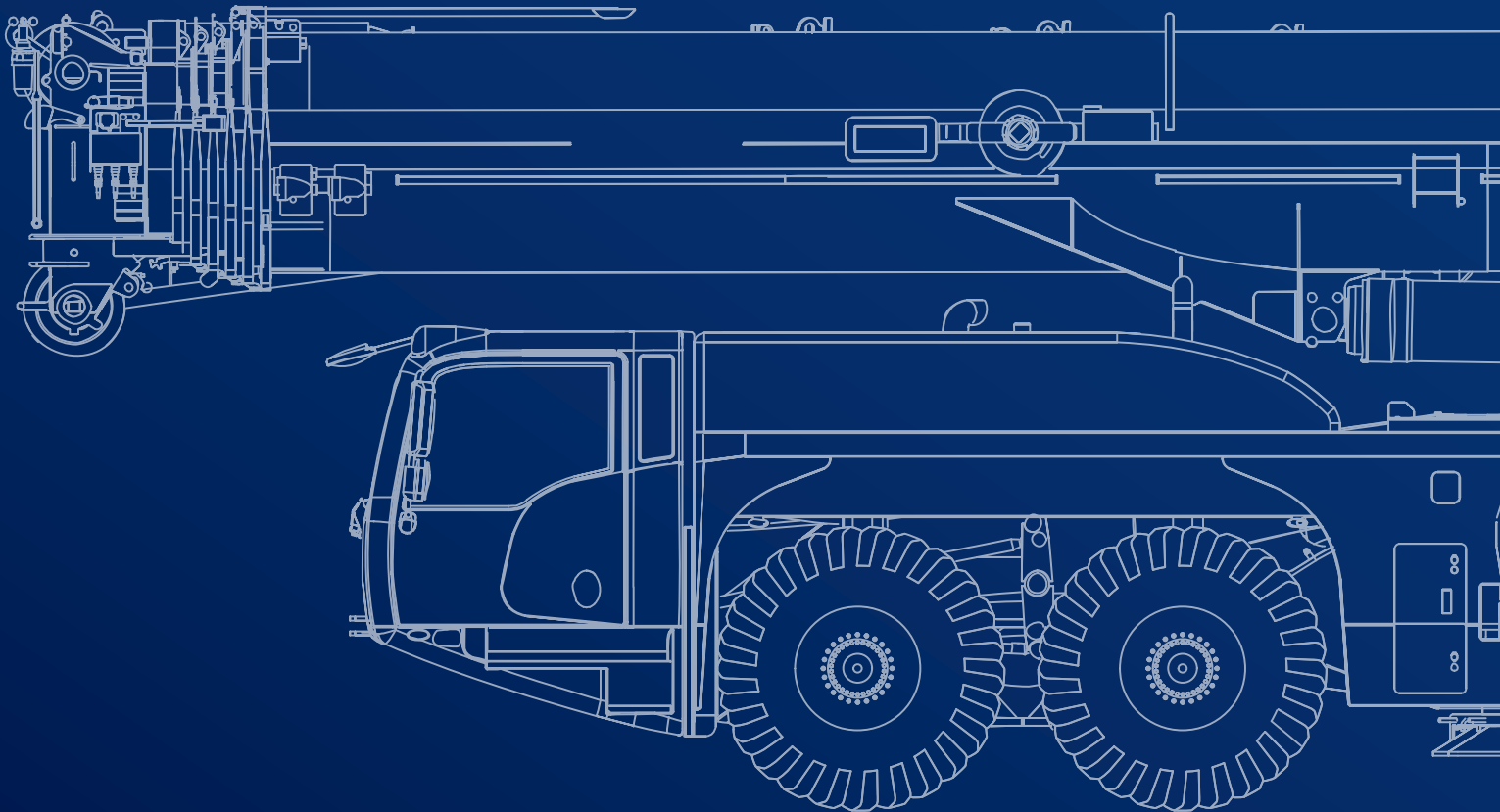


AC 6.300-1

350 US TON MAX. CRANE CAPACITY



December 2022. 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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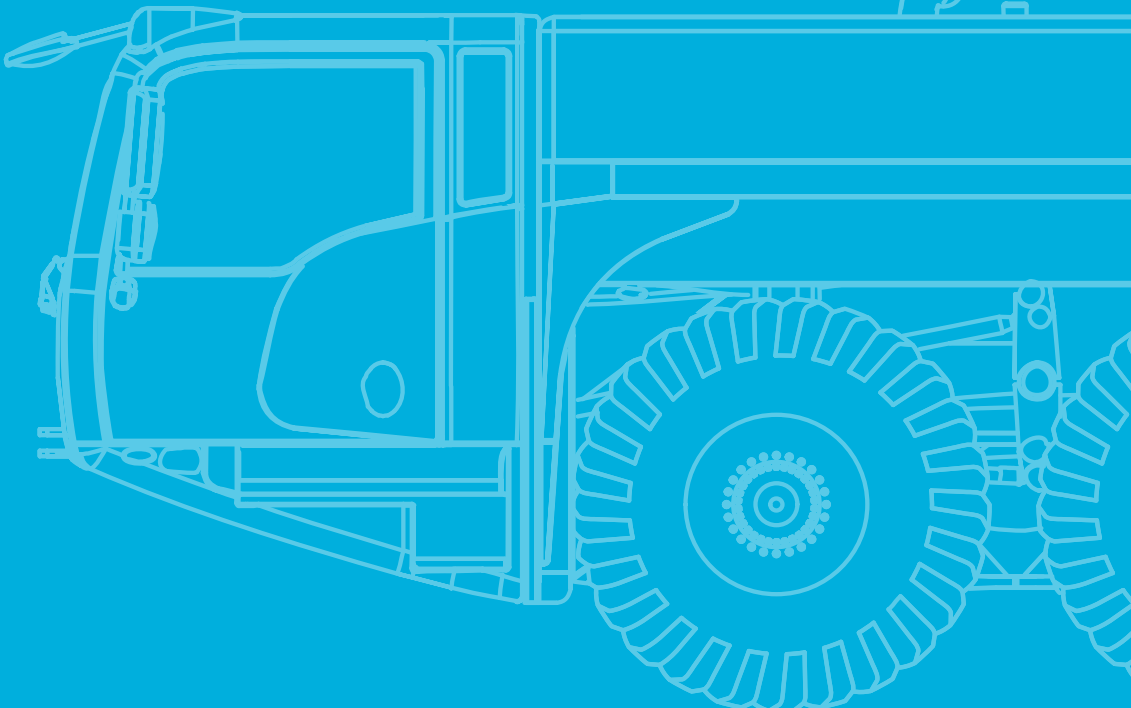
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Key

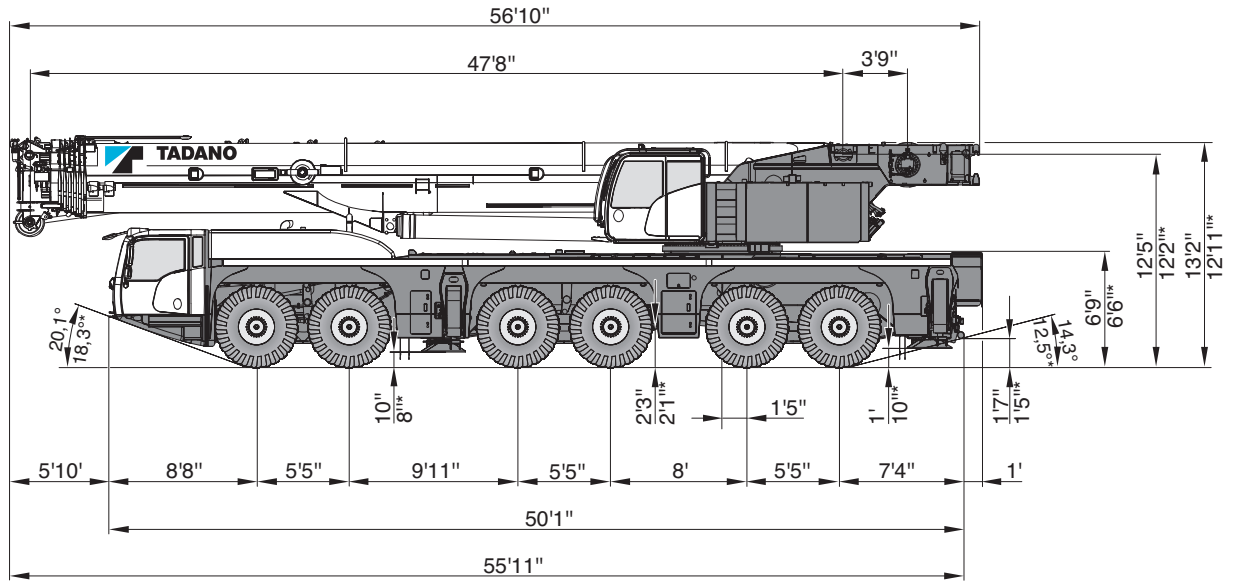
	Counterweight		Working speeds
	Lifting capacities on outriggers · 360°		Slewing
	Radius		Max. line pull
	Main boom		Rope diameter
	Folding swing-away jib		Rope length
	Runner		Hook block
	Max. axle loads		Number of lines
	Mechanism		Possible load of hook block
	Tires		Weight of hook block
	Hook block		Distance head sheave axle – hook ground
	Hoist		Number of sheaves in hook block
	Travel speed		Max. outrigger load
	Gradeability		Length of stroke (support cylinders)
	Boom telescoping		Additional parts for hydraulic system
	Boom elevation		Payload incl. rear storage box
	Dolly		

GENERAL TECHNICAL DATA

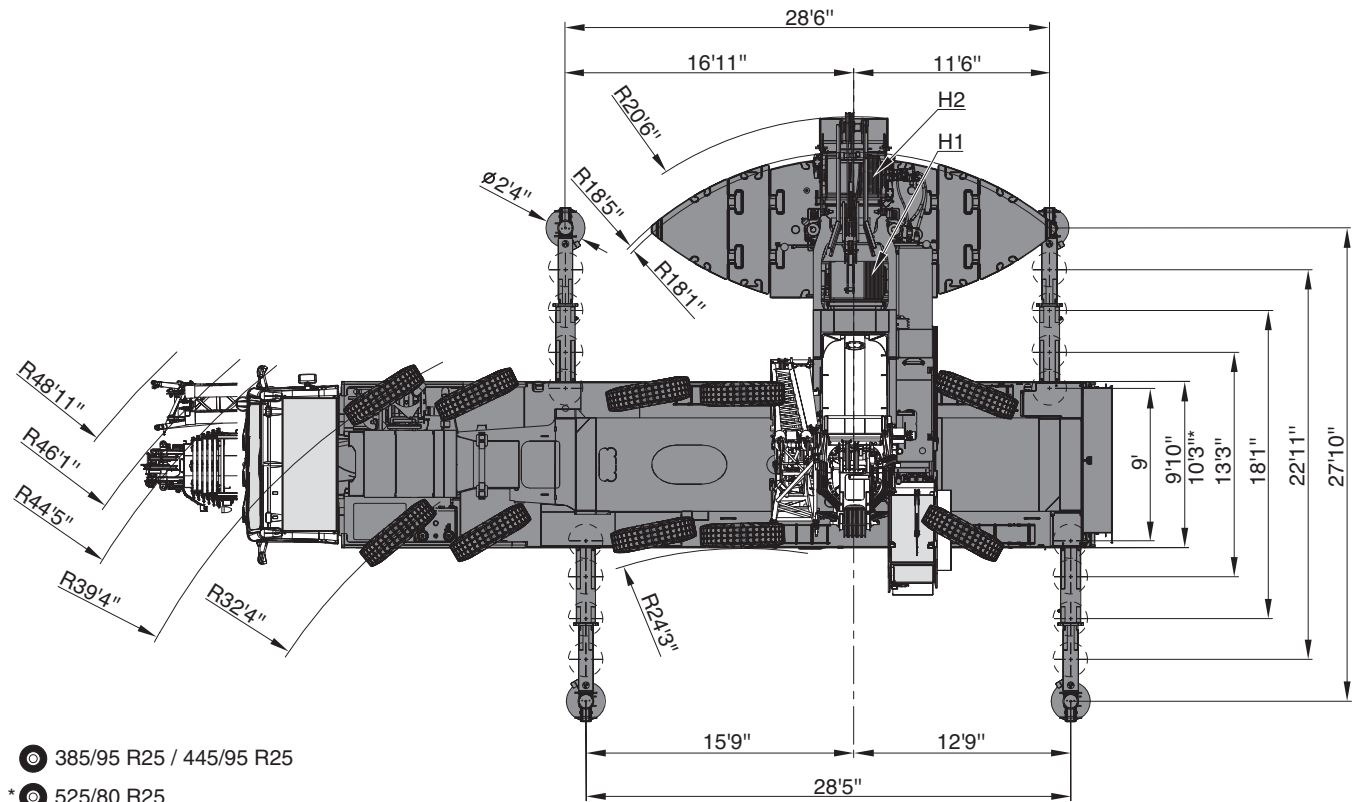


General

Vehicle dimensions



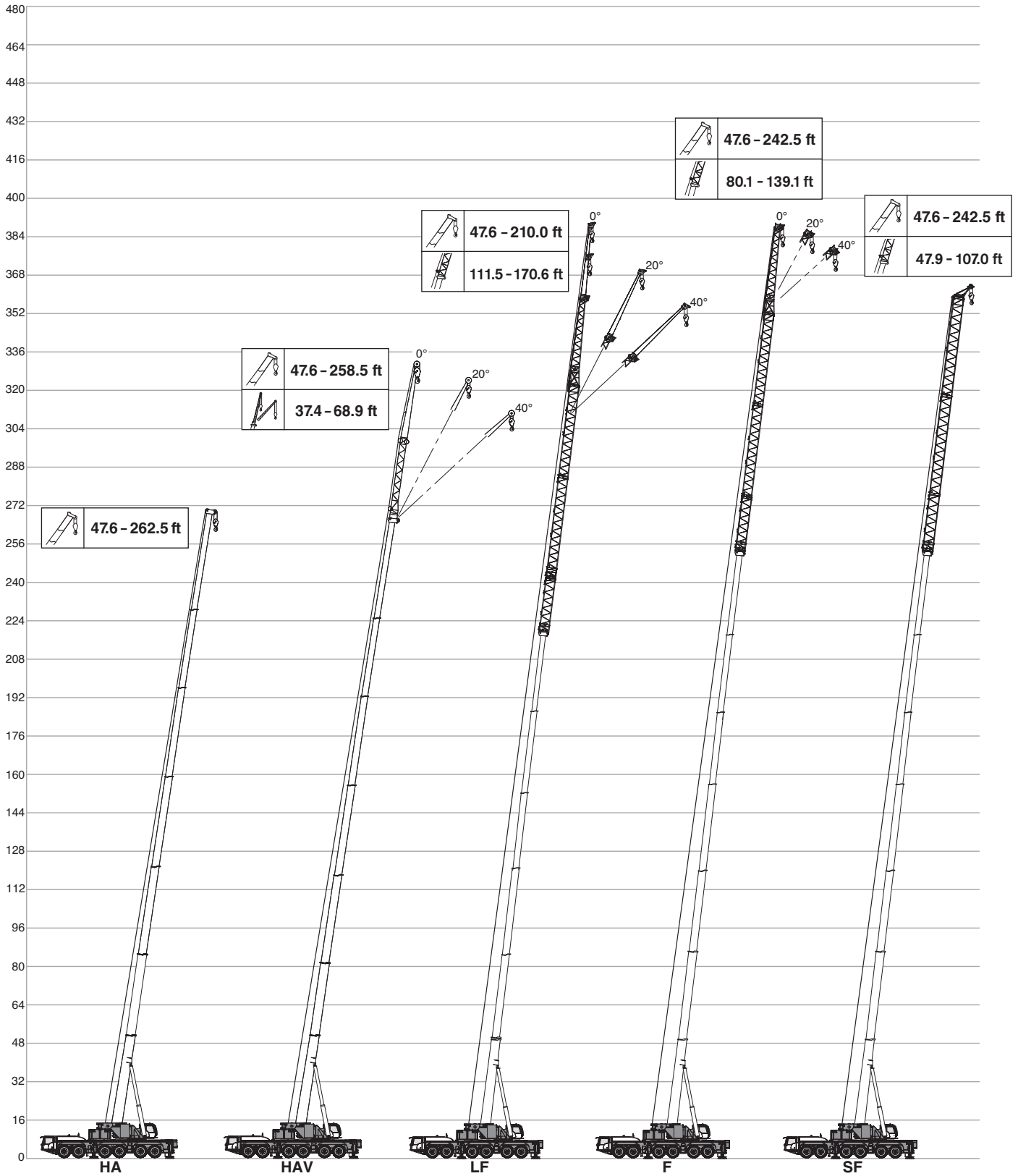
- ⊙ 445/95 R25 / 525/80 R25
- * ⊙ 385/95 R25



- ⊙ 385/95 R25 / 445/95 R25
- * ⊙ 525/80 R25

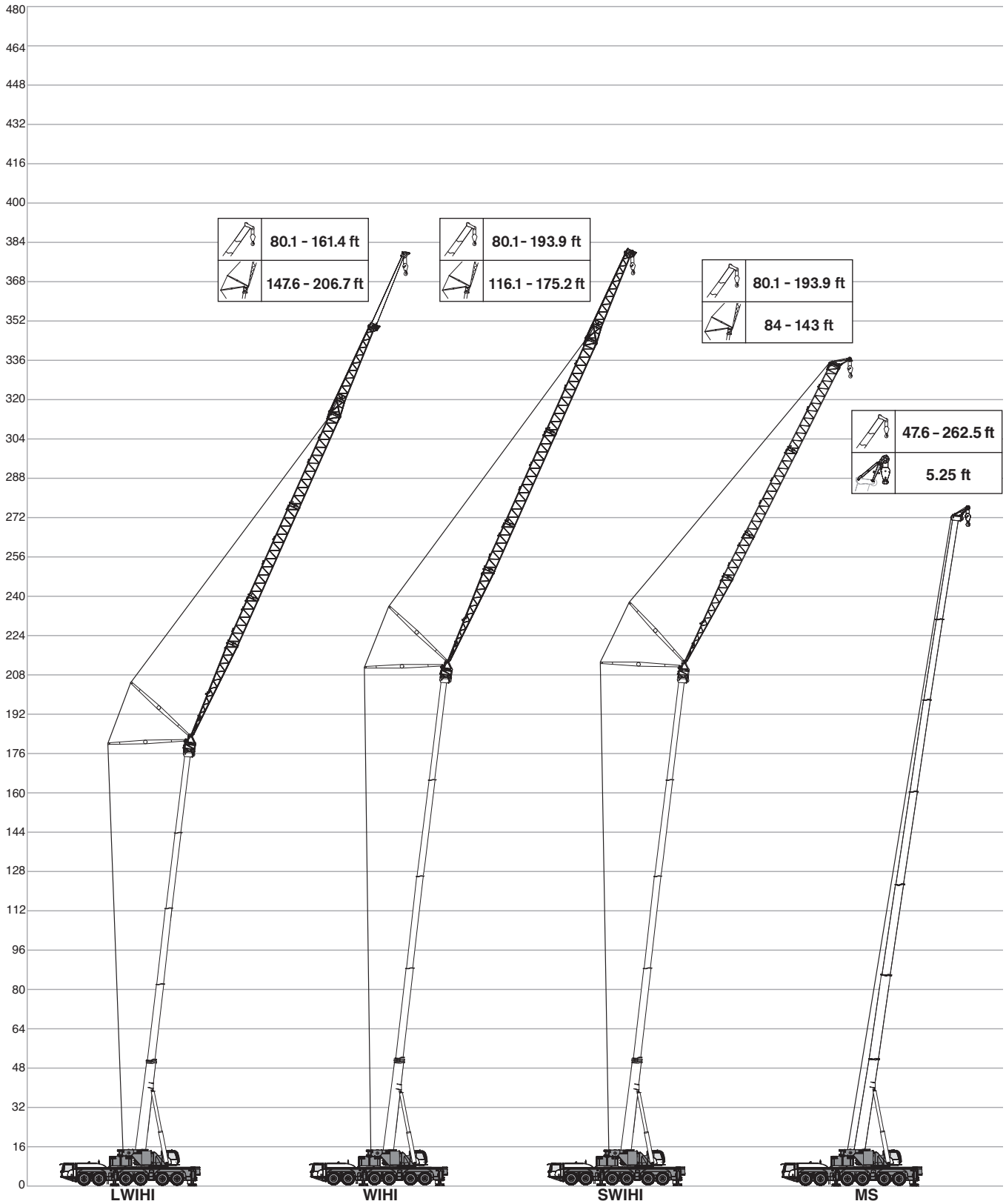
General

Boom combinations

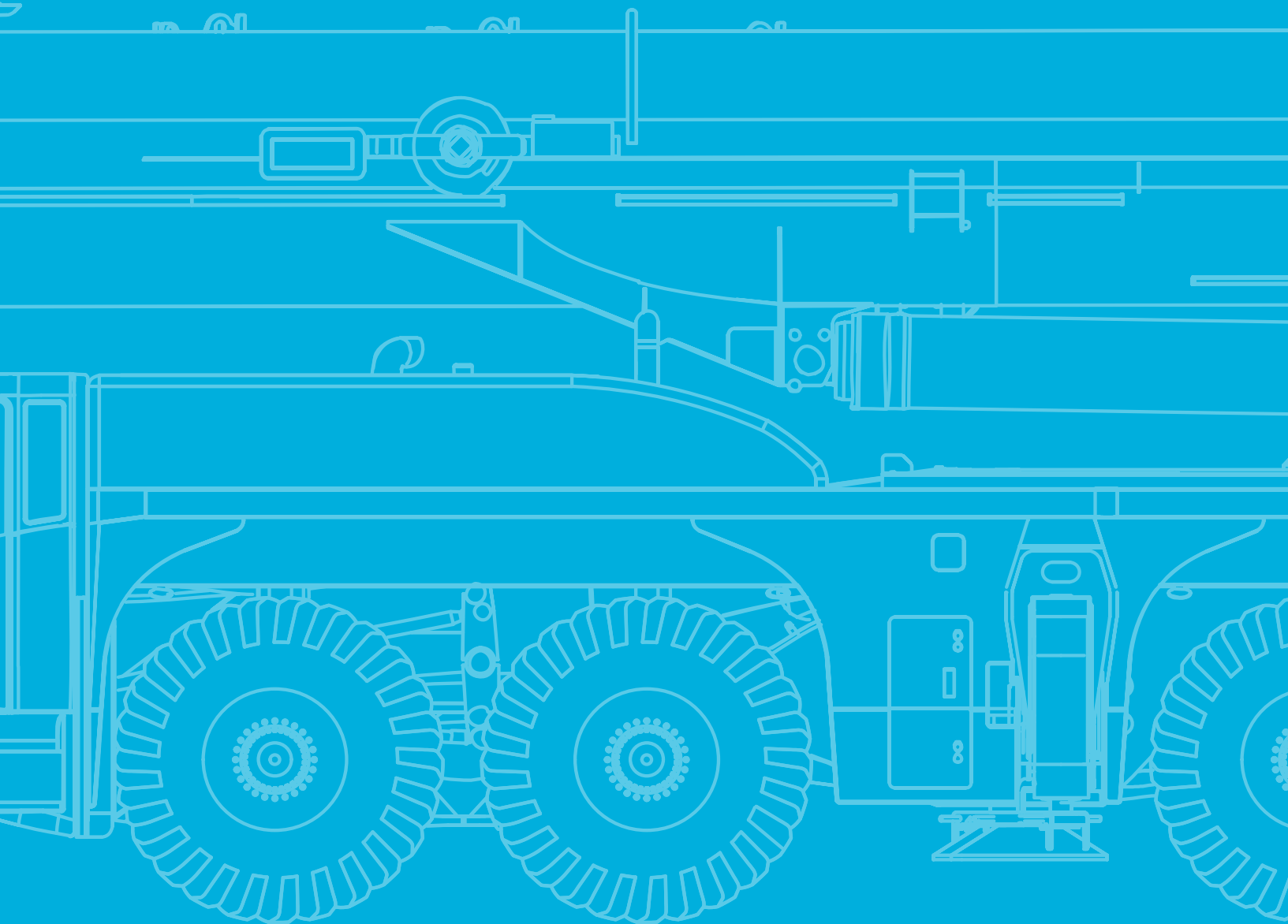


General


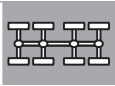






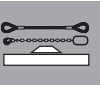

Boom combinations






TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING





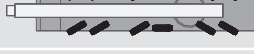



On-road and off-road driving

Axle loads										
	Total									
< 20,000 lbs	On request!									X
< 26,500 lbs	< 158,800 lbs	12 x 6 x 10	385/95R25	262.5 ft	88,200 lbs	–	–	–	1,320 lbs	–
< 26,500 lbs	< 158,800 lbs	12 x 8 x 12	385/95R25	262.5 ft	88,200 lbs*	–	–	–	–	–
< 26,500 lbs	< 158,800 lbs	12 x 8 x 12	445/95R25	262.5 ft	–	–	–	X	–	–
< 35,300 lbs	< 209,500 lbs	12 x 8 x 12	445/95R25	262.5 ft	176,400 lbs	42,300 lbs	68.9 ft	X	1,760 lbs	–

* Vario

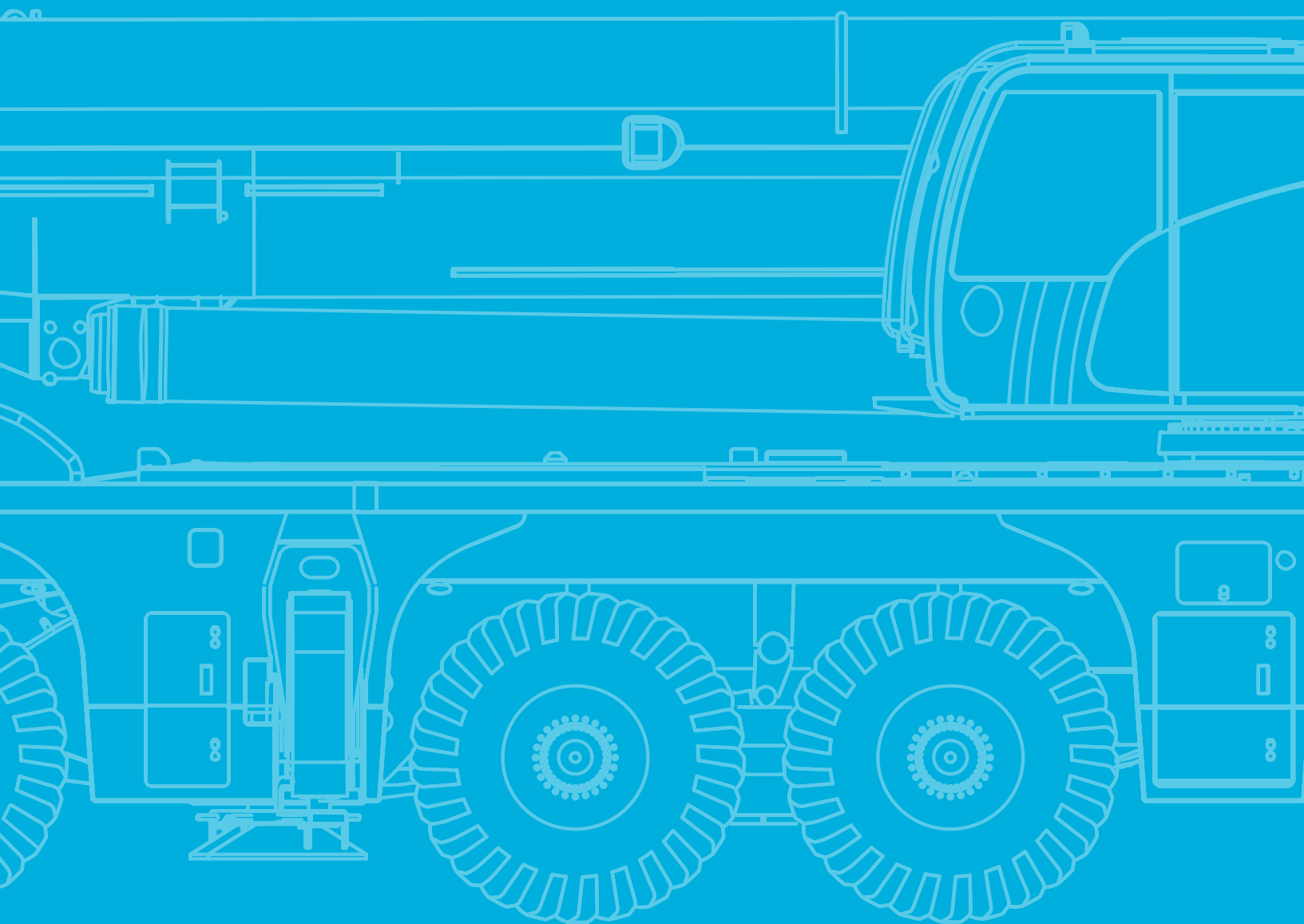
Speeds and gradeability			
	385/95 R 25 14.00 R 25	445/95 R 25 16.00 R 25	525/80 R 25 20.50 R 25
	56 %	50 %	50 %
	52.8 mph ¹⁾		

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

Steering	
	1 Highway > 28 mph
	2 City < 28 mph
	3* Minimum turning radius < 3.1 mph
	4* Off-wall
	5* Crab steer mode
	6* All wheel steering

* must be activated

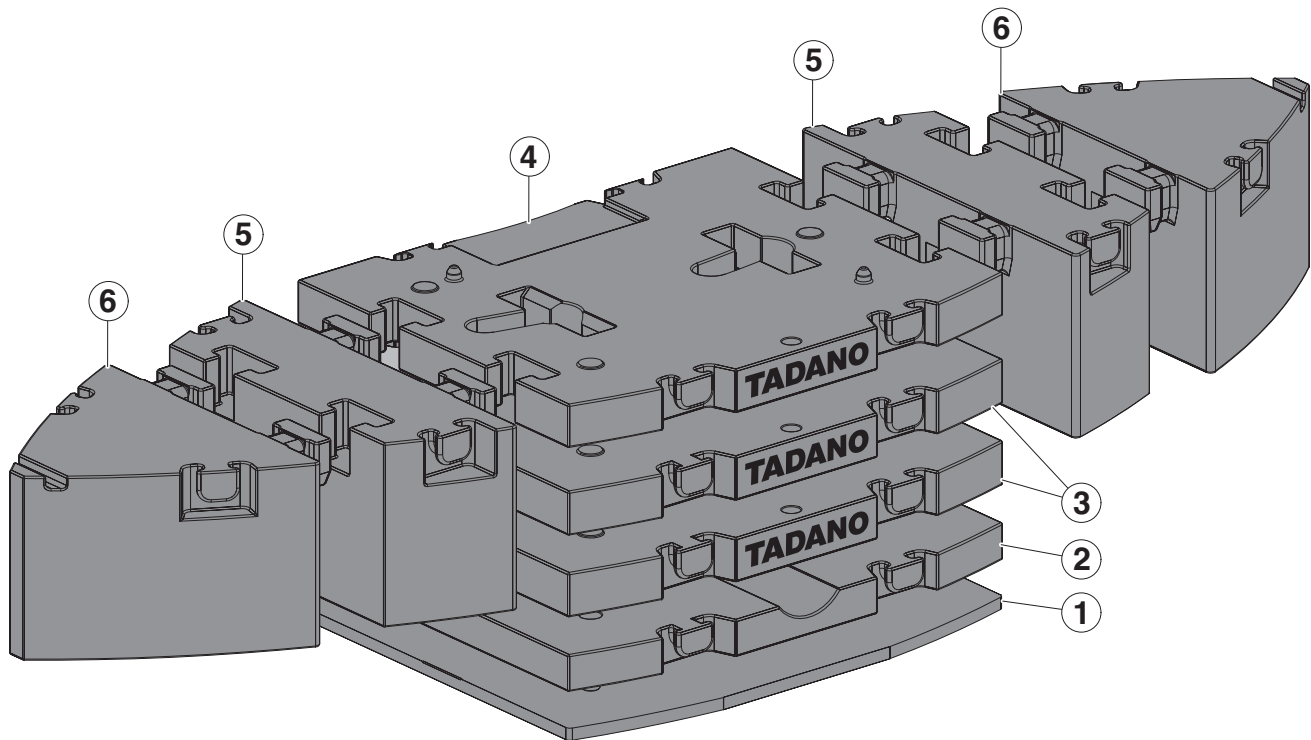
TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight

STANDARD

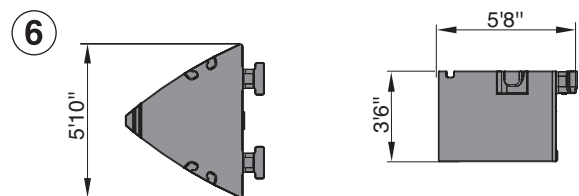
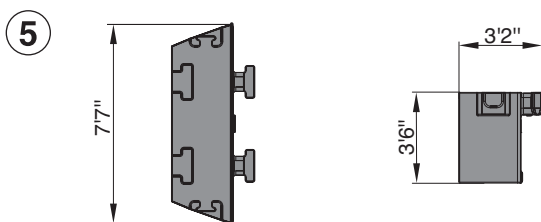
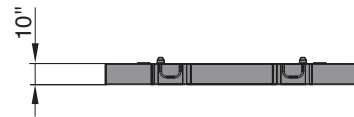
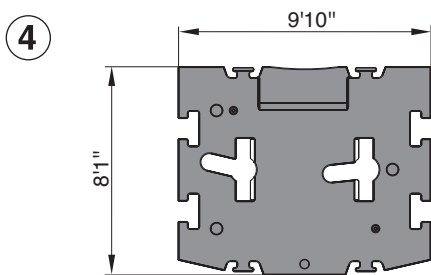
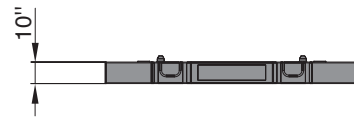
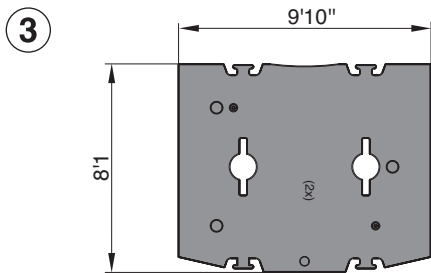
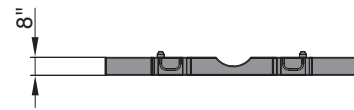
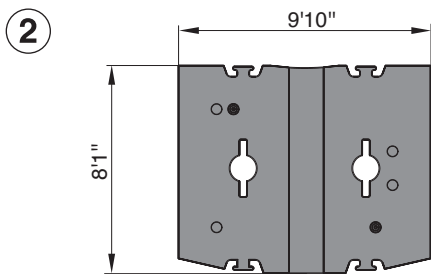
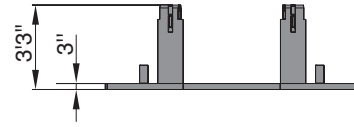
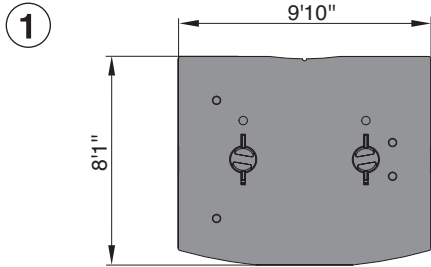


Configurations

	10,800 lbs	32,000 lbs	58,900 lbs	85,800 lbs	109,800 lbs	158,300 lbs	158,300 lbs	206,800 lbs
① 10,800 lbs	1	1	1	1	1	1	1	1
② 21,200 lbs		1	1	1	1	1	1	1
③ 26,900 lbs			1	2	2	2	2	2
④ 24,000 lbs					1	1	1	1
⑤ 24,300 lbs						2		2
⑥ 24,300 lbs							2	2

Transportation

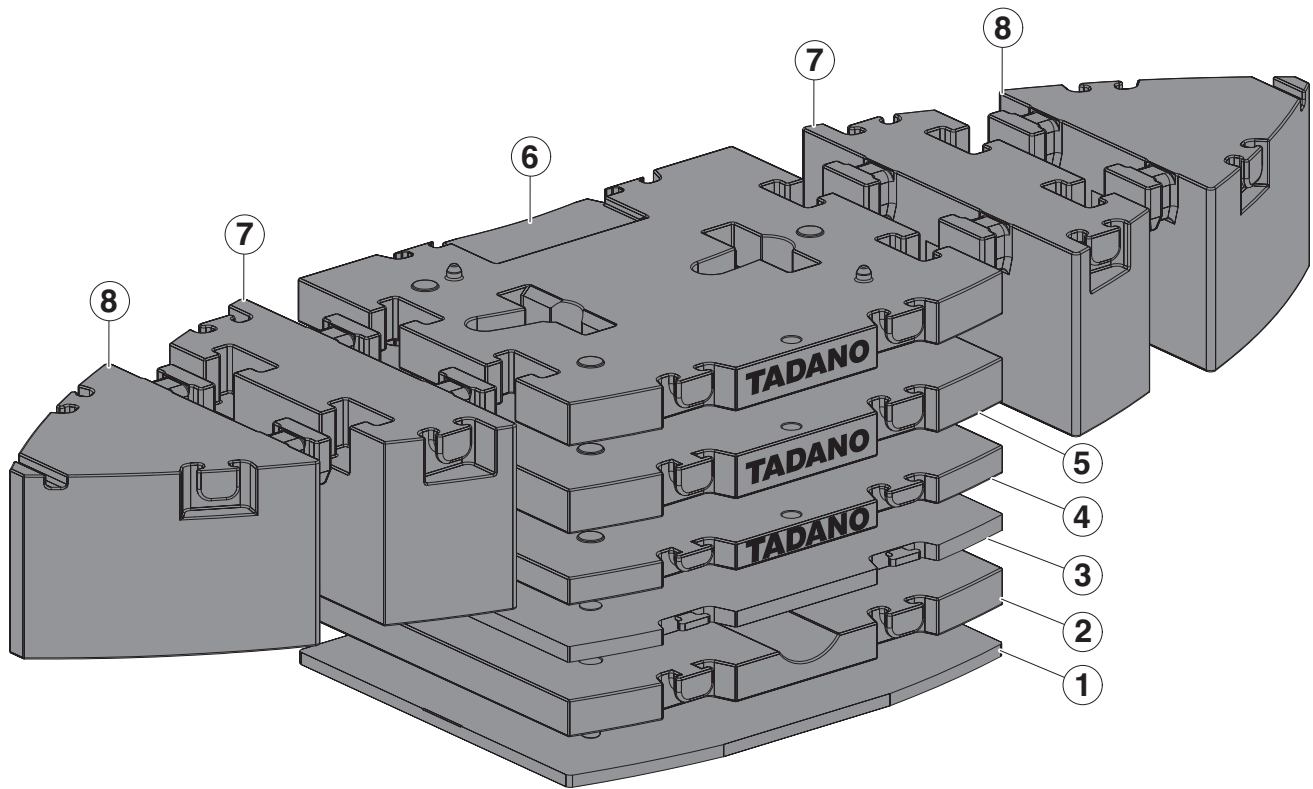
Counterweight



Transportation

Counterweight

SPECIAL



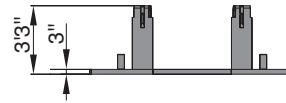
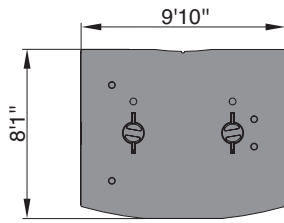
Configurations

	10,800 lbs	32,000 lbs	42,300 lbs	58,900 lbs	85,800 lbs	109,800 lbs	158,300 lbs	158,300 lbs	206,800 lbs
① 10,800 lbs	1	1	1	1	1	1	1	1	1
② 21,200 lbs		1	1	1	1	1	1	1	1
③ 10,400 lbs			1	1	1	1	1	1	1
④ 16,500 lbs				1	1	1	1	1	1
⑤ 26,900 lbs					1	1	1	1	1
⑥ 24,000 lbs						1	1	1	1
⑦ 24,300 lbs							2		2
⑧ 24,300 lbs								2	2

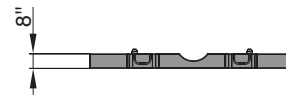
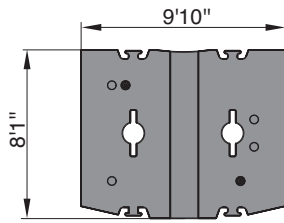
Transportation

Counterweight

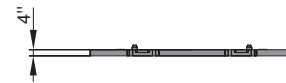
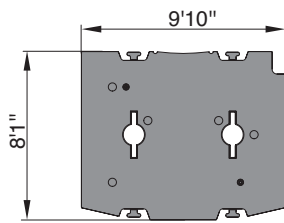
1



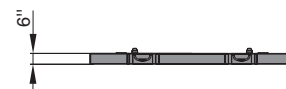
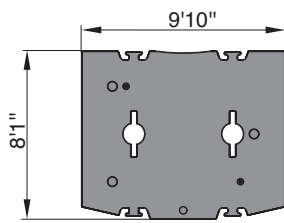
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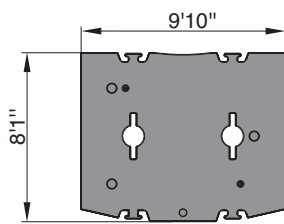
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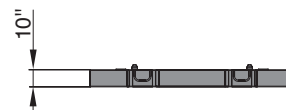
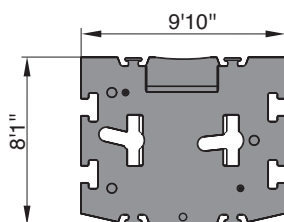
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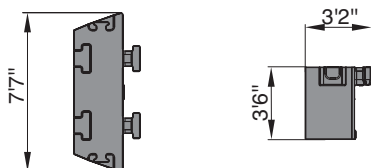
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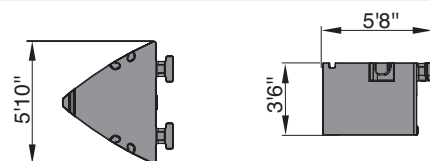
6



7



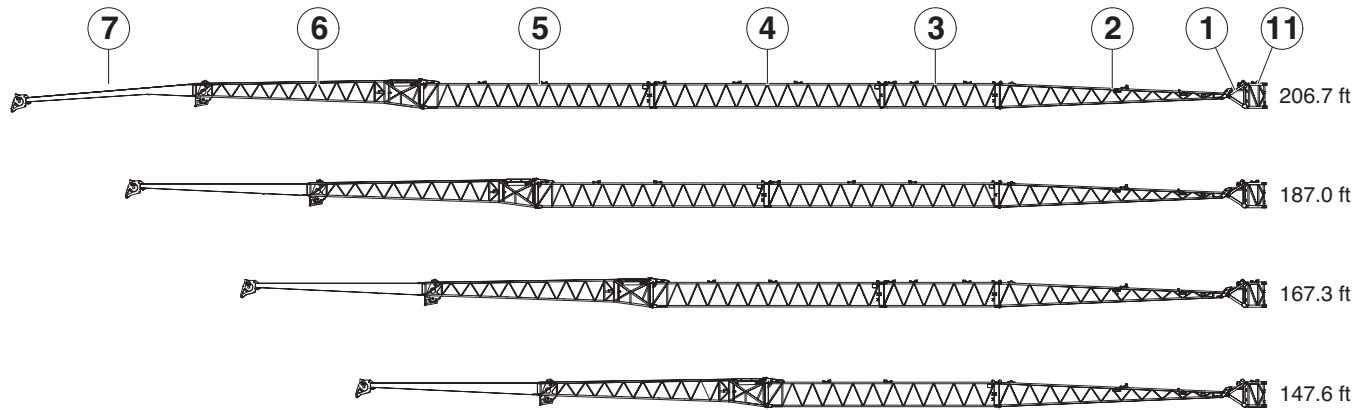
8



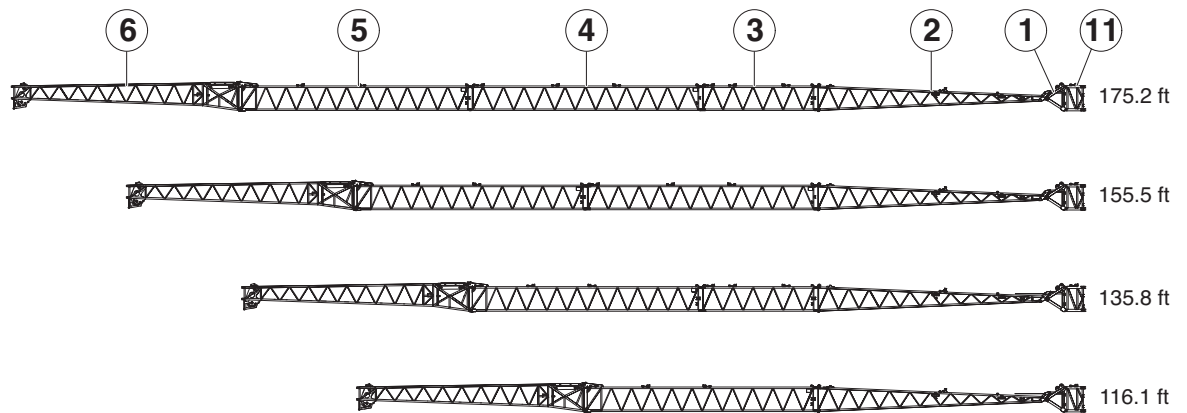
Transportation

Jib

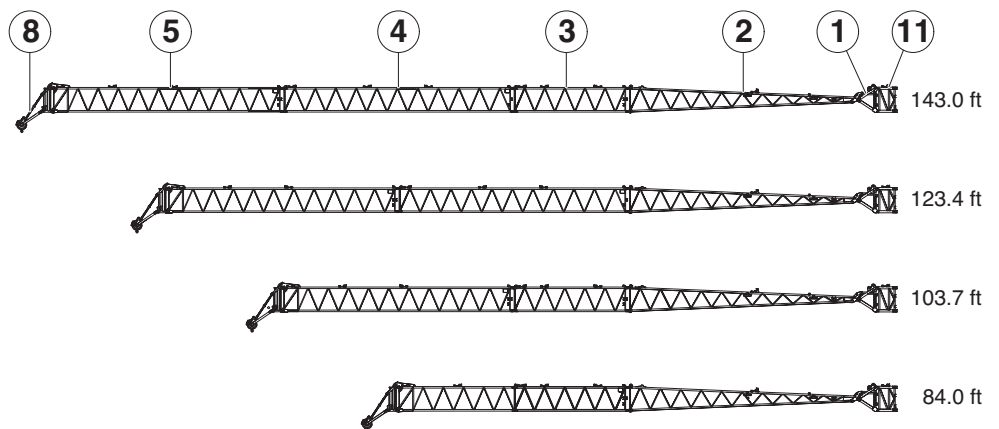
LWIHI



WIHI

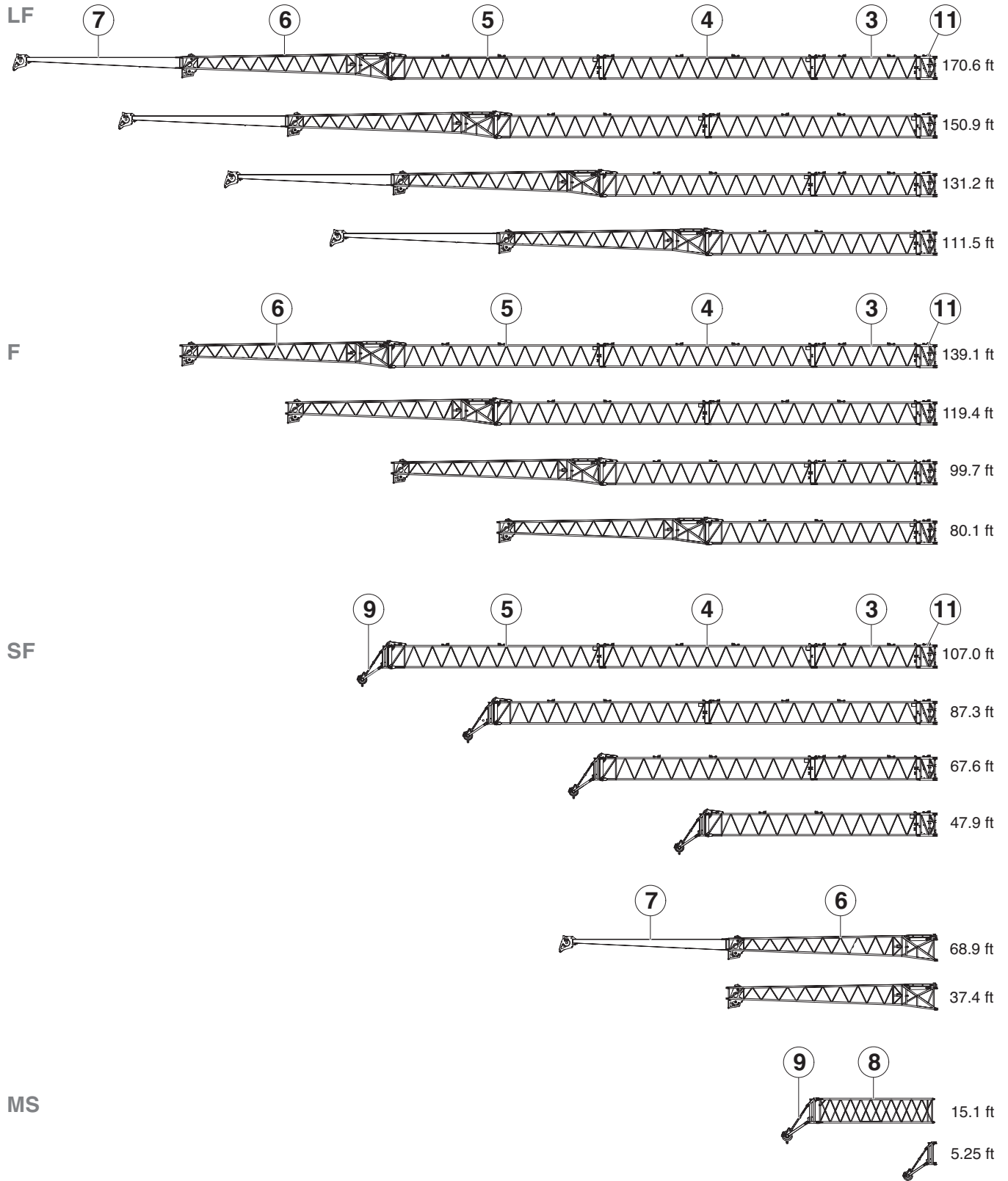


SWIHI



Transportation

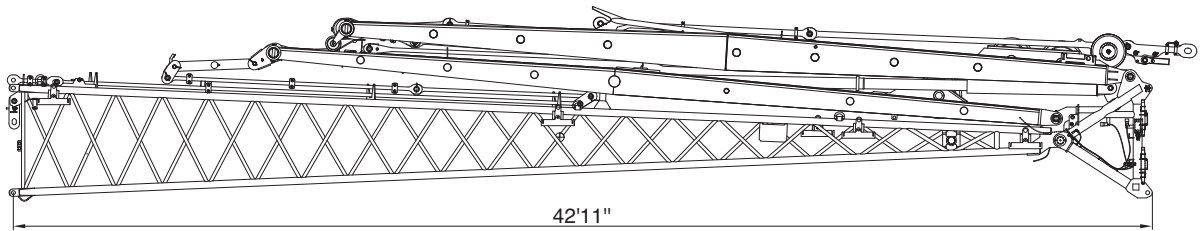
Jib



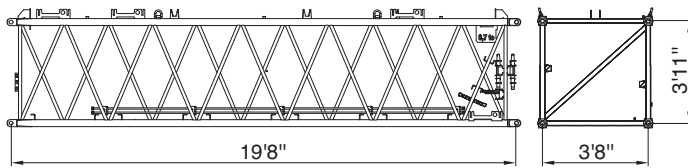
Transportation

Jib

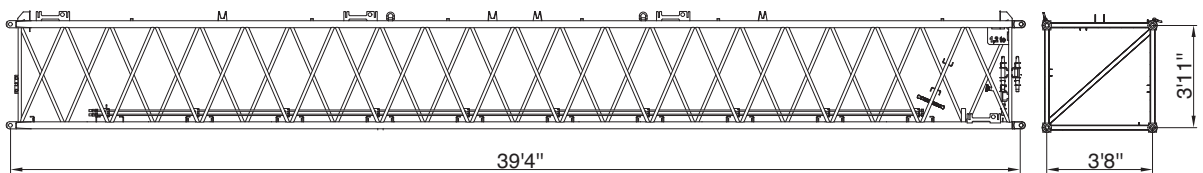
- 1  lbs
- 2 8,800



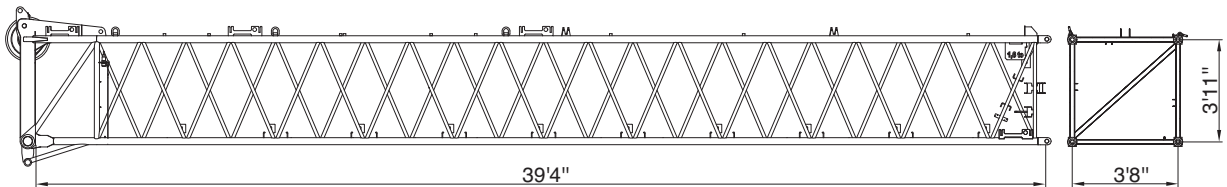
- 3  lbs
- 1,100



- 4  lbs
- 2,000



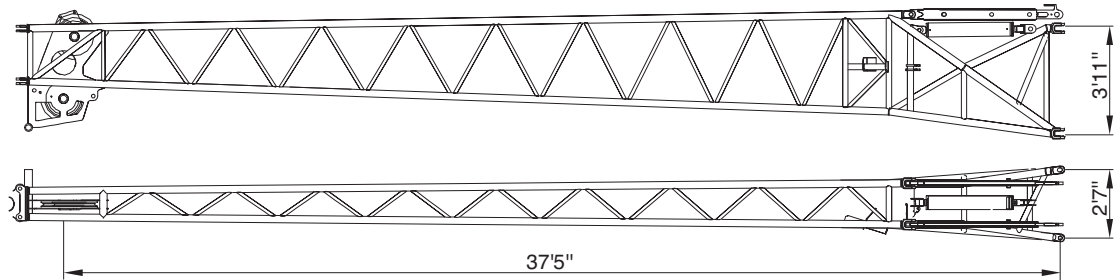
- 5  lbs
- 3,100



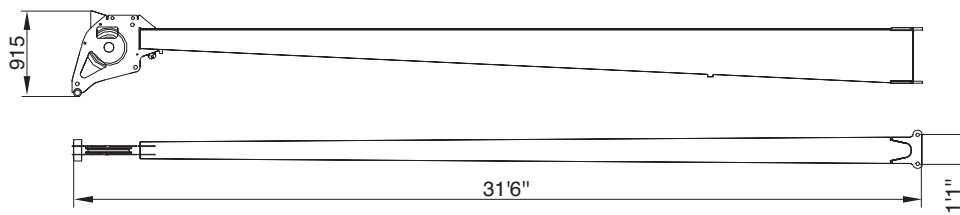
Transportation

Jib

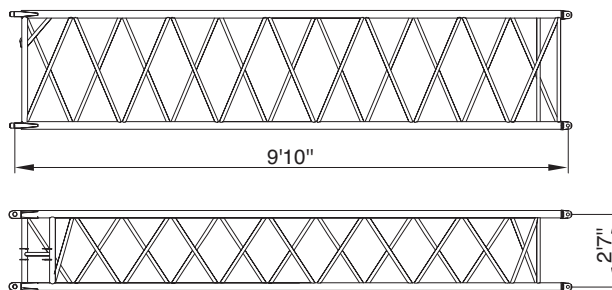
6 **lbs**
3,100 /
3,300 (HY)



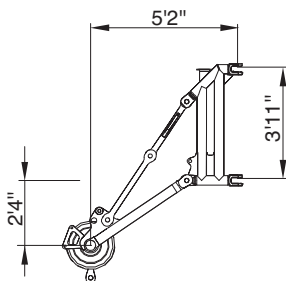
7 **lbs**
1,540



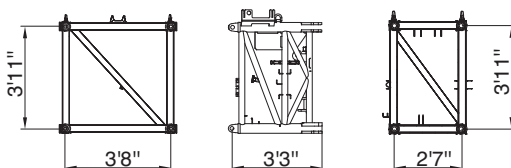
8 **lbs**
880



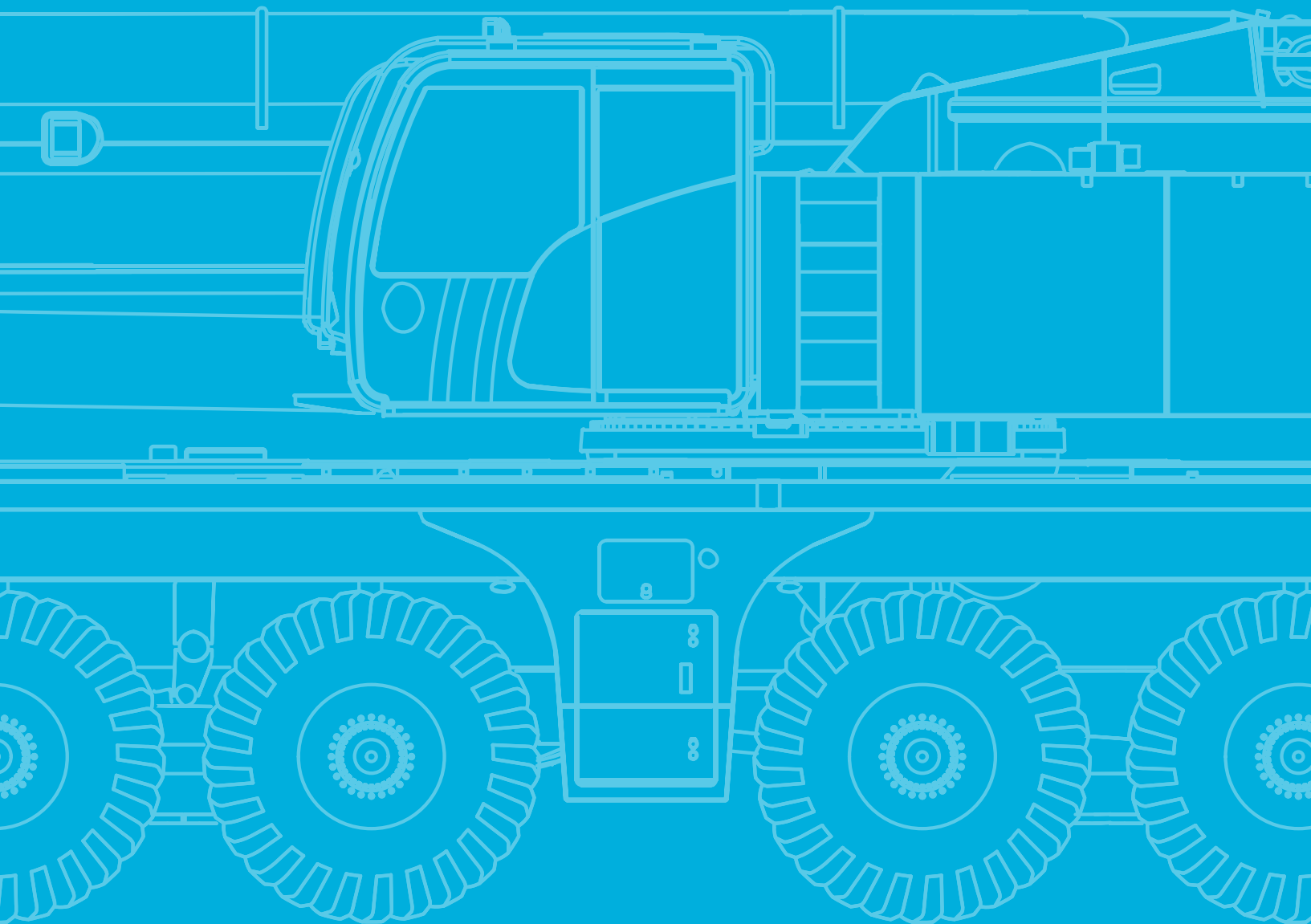
9 **lbs**
1,100



11 **lbs**
1,100



TECHNICAL DATA FOR OPERATION



Operation

Main boom



750 s (47.6 - 262.5 ft)



57 s (0° - 83°)

Slewing



1,0 min⁻¹

Hoist



1

413.4 ft/min

26,078 lbf

0.92"

1200 ft

2

413.4 ft/min

26,078 lbf

0.92"

1200 ft

Outrigger cylinders



249,200 lbs

284,500 lbs



19.3"

22.0"

Hook Blocks



26,500 lbs

23,700 lbs

–

1

1,100 lbs

6.6 ft

88,200 lbs

71,100 lbs

1

3

2,000 lbs

8.9 ft

176,400 lbs

165,800 lbs

3

7

2,700 lbs

9.8 ft

275,600 lbs

236,900 lbs

5

10

3,100 lbs

9.8 ft

352,800 lbs

330,700 lbs

7

14

4,200 lbs

9.8 ft

Operation

HA

206,800 lbs		28.5 ft x 27.8 ft														360°		ASME B30.5	
0°		(ft)																	
47.6		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5				
ft	1,000 lbs															ft			
8	700.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		
10	330.7	330.7	330.7	317.5	(-)	-	-	-	-	-	-	-	-	-	-	-	10		
12	330.7	330.7	330.7	317.5	283.3	-	-	-	-	-	-	-	-	-	-	-	12		
14	330.7	330.7	330.7	317.5	283.3	(-)	-	-	-	-	-	-	-	-	-	-	14		
16	330.7	323.2	324.9	313.3	283.3	(-)	(-)	(-)	-	-	-	-	-	-	-	-	16		
18	315.2	302.6	304.8	298.0	276.3	234.8	(-)	(-)	-	-	-	-	-	-	-	-	18		
20	295.6	280.3	282.5	280.4	266.8	232.6	184.7	(-)	(-)	-	-	-	-	-	-	-	20		
24	256.6	244.8	246.6	245.9	239.3	221.4	183.4	144.2	(-)	(-)	(-)	-	-	-	-	-	24		
28	223.9	217.0	218.7	218.6	212.5	206.7	180.6	141.7	114.9	(-)	(-)	(-)	-	-	-	-	28		
32	194.1	192.8	196.0	195.9	191.1	185.8	176.5	139.2	109.7	(-)	(-)	(-)	(-)	-	-	-	32		
36	155.9	155.9	177.7	177.7	173.8	170.3	165.4	136.4	103.0	90.4	(-)	(-)	(-)	(-)	(-)	(-)	36		
40	-	-	160.6	160.8	157.7	157.0	152.6	133.4	96.2	86.6	73.7	(-)	(-)	(-)	(-)	(-)	40		
48	-	-	126.9	132.4	131.0	132.6	129.3	124.3	84.0	77.2	68.4	60.2	(-)	(-)	(-)	(-)	48		
56	-	-	-	110.0	112.0	110.8	109.9	110.5	73.8	68.1	61.6	56.4	49.3	42.5	(-)	(-)	56		
64	-	-	-	91.7	94.9	93.4	95.8	94.0	67.9	60.2	55.1	51.4	46.5	41.9	33.1	33.1	64		
72	-	-	-	56.1	81.6	81.8	82.5	80.5	62.5	53.7	49.1	46.4	42.9	40.0	33.1	33.1	72		
80	-	-	-	-	68.7	73.6	72.2	70.0	58.0	48.2	44.2	41.9	39.1	37.5	31.9	31.9	80		
88	-	-	-	-	-	65.1	63.5	61.4	54.2	43.5	39.9	37.8	35.6	34.5	30.1	30.1	88		
96	-	-	-	-	-	54.8	56.4	54.3	51.2	39.5	36.1	34.4	32.4	31.7	28.1	28.1	96		
104	-	-	-	-	-	31.6	50.3	47.9	48.2	36.5	33.4	31.5	29.6	29.0	26.1	26.1	104		
112	-	-	-	-	-	-	43.1	42.5	44.5	34.3	31.2	29.0	27.2	26.5	23.9	23.9	112		
120	-	-	-	-	-	-	22.7	40.4	39.8	32.2	29.3	26.9	24.9	24.2	22.0	22.0	120		
128	-	-	-	-	-	-	-	35.7	35.7	30.5	27.5	25.1	23.0	22.1	20.2	20.2	128		
136	-	-	-	-	-	-	-	17.4	32.1	29.0	25.9	23.5	21.3	20.3	18.3	18.3	136		
144	-	-	-	-	-	-	-	16.6	27.8	27.6	24.5	21.9	19.9	18.6	16.6	16.6	144		
152	-	-	-	-	-	-	-	-	17.3	26.6	23.2	20.5	18.3	17.0	15.3	15.3	152		
160	-	-	-	-	-	-	-	-	-	23.1	21.9	19.3	17.1	15.7	13.9	13.9	160		
168	-	-	-	-	-	-	-	-	-	13.0	20.6	18.2	15.9	14.5	12.7	12.7	168		
176	-	-	-	-	-	-	-	-	-	12.2	19.0	17.1	14.7	13.4	11.6	11.6	176		
184	-	-	-	-	-	-	-	-	-	-	12.7	16.2	13.7	12.3	10.5	10.5	184		
192	-	-	-	-	-	-	-	-	-	-	-	9.7	12.8	11.3	9.5	9.5	192		
200	-	-	-	-	-	-	-	-	-	-	-	8.9	12.0	10.3	8.7	8.7	200		
208	-	-	-	-	-	-	-	-	-	-	-	7.8	9.4	9.4	7.8	7.8	208		
216	-	-	-	-	-	-	-	-	-	-	-	6.3	5.3	8.6	6.9	6.9	216		
224	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	6.2	6.2	224		
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	5.6	232		
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	5.0	240		

* Max. crane capacity – with additional special equipment

(-) Possible with reduced load

Operation

HA

158,300 lbs		28.5 ft x 27.8 ft				360° / Max.*				ASME B30.5				
360° 47.6ft	Max. 47.6ft	360° 64.0ft	Max. 64.0ft	360° 80.1ft	Max. 80.1ft	360° 96.5ft	Max. 96.5ft	360° 112.5ft	Max. 112.5ft	360° 128.9ft	Max. 128.9ft	360° 145.0ft	Max. 145.0ft	
1,000 lbs														
ft													ft	
10	330.7	330.7	330.7	330.7	317.5	317.5	(-)	(-)	-	-	-	-	-	10
12	330.7	330.7	330.7	330.7	317.5	317.5	283.3	283.3	-	-	-	-	-	12
14	330.7	330.7	330.7	330.7	317.5	317.5	283.3	283.3	(-)	(-)	-	-	-	14
16	319.9	323.2	320.7	324.9	313.3	313.3	283.3	283.3	(-)	229.6	(-)	(-)	(-)	16
18	298.1	302.5	299.3	304.7	296.4	298.0	276.3	276.3	234.8	234.8	(-)	(-)	(-)	18
20	276.0	280.3	277.1	282.5	277.1	280.4	266.8	266.8	232.6	232.6	184.7	184.7	(-)	20
24	241.1	244.8	242.6	246.6	242.6	245.9	239.3	239.3	221.4	221.4	183.4	183.4	144.2	24
28	213.2	216.0	215.3	217.7	215.3	217.6	212.5	212.5	206.7	206.7	180.6	180.6	141.7	28
32	189.0	189.2	191.0	191.2	191.0	191.2	189.4	189.3	185.8	185.8	176.5	176.5	139.2	32
36	153.8	153.8	168.9	169.9	169.0	169.9	167.7	168.5	166.8	167.6	163.1	164.0	136.4	36
40	-	-	148.3	150.6	148.5	150.6	149.7	150.0	149.4	151.1	147.2	149.3	133.3	40
48	-	-	120.2	122.5	121.5	122.4	121.4	124.0	119.8	122.7	121.7	122.6	120.4	48
56	-	-	-	-	100.7	103.7	100.1	103.0	101.7	102.7	101.2	104.0	98.8	56
64	-	-	-	-	83.4	88.0	83.6	87.3	85.7	89.5	83.7	88.2	81.0	64
72	-	-	-	-	56.1	56.1	72.4	75.2	71.5	77.4	69.7	75.9	67.1	72
80	-	-	-	-	-	-	62.1	67.2	61.0	68.0	59.2	66.4	56.8	80
88	-	-	-	-	-	-	-	-	52.9	60.3	51.0	58.7	50.9	88
96	-	-	-	-	-	-	-	-	46.2	53.1	44.4	52.3	46.3	96
104	-	-	-	-	-	-	-	-	31.6	31.6	41.3	46.9	40.8	104
112	-	-	-	-	-	-	-	-	-	-	37.9	41.8	36.1	112
120	-	-	-	-	-	-	-	-	-	-	22.7	22.7	32.2	120
128	-	-	-	-	-	-	-	-	-	-	-	-	28.9	128
136	-	-	-	-	-	-	-	-	-	-	-	-	17.4	136
144	-	-	-	-	-	-	-	-	-	-	-	-	16.6	144

360° 161.4ft	Max. 161.4ft	360° 177.5ft	Max. 177.5ft	360° 193.9ft	Max. 193.9ft	360° 210.0ft	Max. 210.0ft	360° 226.4ft	Max. 226.4ft	360° 242.5ft	Max. 242.5ft	360° 262.5ft	Max. 262.5ft	
1,000 lbs														
ft													ft	
20	(-)	(-)	-	-	-	-	-	-	-	-	-	-	-	20
24	(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	-	-	-	-	24
28	114.9	114.9	(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	-	-	28
32	109.7	109.7	(-)	83.5	(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	32
36	103.0	103.0	90.4	90.4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	36
40	96.2	96.2	86.6	86.6	73.7	73.7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	40
48	84.0	84.0	77.2	77.2	68.4	68.4	60.2	60.2	(-)	(-)	(-)	(-)	(-)	48
56	73.8	73.8	68.1	68.1	61.6	61.7	56.4	56.4	49.3	49.3	42.5	42.5	(-)	56
64	67.9	67.9	60.2	60.2	55.1	55.1	51.4	51.4	46.5	46.5	41.9	41.9	33.1	64
72	62.5	62.5	53.7	53.7	49.1	49.1	46.4	46.4	42.9	42.9	40.0	40.0	33.1	72
80	57.6	58.0	48.2	48.2	44.2	44.2	41.9	41.9	39.1	39.1	37.5	37.5	31.9	80
88	50.6	54.2	43.5	43.5	39.9	39.9	37.8	37.8	35.6	35.6	34.5	34.5	30.1	88
96	43.9	51.2	39.5	39.5	36.1	36.1	34.4	34.4	32.4	32.4	31.7	31.7	28.1	96
104	38.4	46.5	36.5	36.5	33.4	33.4	31.5	31.5	29.6	29.6	29.0	29.0	26.1	104
112	33.7	41.9	34.2	34.3	31.2	31.2	29.0	29.0	27.2	27.2	26.5	26.5	23.9	112
120	30.0	37.8	30.9	32.2	29.3	29.3	26.9	26.9	24.9	24.9	24.2	24.2	22.0	120
128	28.3	34.4	27.3	30.5	27.3	27.5	25.1	25.1	23.0	23.0	22.1	22.1	20.2	128
136	26.5	31.3	24.1	29.0	24.5	25.9	23.5	23.5	21.3	21.3	20.3	20.3	18.3	136
144	23.9	27.7	22.5	27.6	21.7	24.5	21.3	21.9	19.9	19.9	18.6	18.6	16.6	144
152	17.3	17.3	21.4	26.6	19.3	23.2	18.9	20.5	18.0	18.3	16.5	17.0	15.3	152
160	-	-	19.5	23.1	17.7	21.9	16.6	19.3	15.9	17.1	14.7	15.7	13.9	160
168	-	-	13.0	13.0	16.3	20.6	14.8	18.2	13.9	15.9	13.4	14.5	12.3	168
176	-	-	12.2	12.2	15.0	19.0	13.6	17.1	12.2	14.7	12.1	13.4	10.4	176
184	-	-	-	-	12.7	12.7	12.2	16.2	10.6	13.7	10.6	12.3	8.9	184
192	-	-	-	-	-	-	9.7	9.7	9.2	12.8	9.2	11.3	7.4	192
200	-	-	-	-	-	-	8.9	8.9	7.8	12.0	7.8	10.3	6.1	200
208	-	-	-	-	-	-	7.8	7.8	6.5	9.4	6.7	9.4	4.9	208
216	-	-	-	-	-	-	6.3	6.3	5.2	5.3	5.6	8.6	3.8	216
224	-	-	-	-	-	-	-	-	-	-	4.6	7.2	-	224
232	-	-	-	-	-	-	-	-	-	-	-	-	5.6	232
240	-	-	-	-	-	-	-	-	-	-	-	-	5.0	240

* Max. values are valid only for specific superstructure positions (-) Possible with reduced load

Operation




109,800 lbs		28.5 ft x 27.8 ft				360° / Max.*				ASME B30.5				
360° 47.6ft	Max. 47.6ft	360° 64.0ft	Max. 64.0ft	360° 80.1ft	Max. 80.1ft	360° 96.5ft	Max. 96.5ft	360° 112.5ft	Max. 112.5ft	360° 128.9ft	Max. 128.9ft	360° 145.0ft	Max. 145.0ft	
1,000 lbs														
ft														ft
10	330.7	330.7	330.7	330.7	317.5	317.5	(-)	(-)	-	-	-	-	-	10
12	330.7	330.7	330.7	330.7	317.5	317.5	283.3	283.3	-	-	-	-	-	12
14	330.7	330.7	330.7	330.7	317.5	317.5	283.3	283.3	(-)	(-)	-	-	-	14
16	315.7	323.2	316.6	324.9	313.3	313.3	283.3	283.3	(-)	229.6	(-)	(-)	(-)	16
18	293.2	302.5	294.3	304.7	294.3	298.0	276.3	276.3	234.8	234.8	(-)	(-)	(-)	18
20	271.6	279.9	272.8	282.1	272.8	280.1	266.7	266.8	232.6	232.6	184.7	184.7	(-)	20
24	235.2	238.1	237.7	240.2	237.7	240.2	236.5	237.5	220.6	221.1	183.4	183.4	144.2	24
28	199.3	203.1	202.4	205.2	202.5	205.0	201.1	203.8	198.8	201.9	180.6	180.6	141.7	28
32	169.1	175.6	172.4	177.8	172.4	177.7	174.1	178.2	173.3	178.4	164.2	173.0	139.2	32
36	143.3	146.8	152.3	156.3	150.6	156.2	153.1	158.4	151.6	156.9	144.0	154.1	131.9	36
40	-	-	132.5	138.4	133.6	139.3	133.1	138.8	131.6	137.3	130.9	138.1	122.7	40
48	-	-	99.0	111.6	100.2	112.4	103.6	111.8	103.0	114.2	100.9	112.8	96.8	48
56	-	-	-	-	81.1	93.1	81.7	93.7	80.8	95.0	78.8	93.6	76.1	56
64	-	-	-	-	66.0	78.9	66.3	81.3	65.2	80.5	63.2	79.2	63.9	64
72	-	-	-	-	54.7	56.1	54.7	70.1	53.6	69.5	54.8	67.9	54.0	72
80	-	-	-	-	-	-	46.1	61.6	46.3	60.8	47.4	59.2	45.4	80
88	-	-	-	-	-	-	-	-	41.7	53.5	40.6	51.9	38.6	88
96	-	-	-	-	-	-	-	-	36.2	46.8	35.1	45.0	34.0	96
104	-	-	-	-	-	-	-	-	30.9	31.6	30.5	41.3	31.1	104
112	-	-	-	-	-	-	-	-	-	-	26.8	37.9	27.6	112
120	-	-	-	-	-	-	-	-	-	-	22.7	22.7	24.4	120
128	-	-	-	-	-	-	-	-	-	-	-	-	21.5	128
136	-	-	-	-	-	-	-	-	-	-	-	-	17.4	136
144	-	-	-	-	-	-	-	-	-	-	-	-	16.6	144




360° 161.4ft	Max. 161.4ft	360° 177.5ft	Max. 177.5ft	360° 193.9ft	Max. 193.9ft	360° 210.0ft	Max. 210.0ft	360° 226.4ft	Max. 226.4ft	360° 242.5ft	Max. 242.5ft	360° 262.5ft	Max. 262.5ft	
1,000 lbs														
ft														ft
20	(-)	(-)	-	-	-	-	-	-	-	-	-	-	-	20
24	(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	-	-	-	-	24
28	114.9	114.9	(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	-	-	28
32	109.7	109.7	(-)	83.5	(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	32
36	103.0	103.0	90.4	90.4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	36
40	96.2	96.2	86.6	86.6	73.7	73.7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	40
48	84.0	84.0	77.2	77.2	68.4	68.4	60.2	60.2	(-)	(-)	(-)	(-)	(-)	48
56	73.8	73.8	68.1	68.1	61.6	61.7	56.4	56.4	49.3	49.3	42.5	42.5	(-)	56
64	63.0	67.9	58.7	60.2	55.1	55.1	51.4	51.4	46.5	46.5	41.9	41.9	33.1	64
72	51.4	62.5	49.5	53.7	48.4	49.1	46.4	46.4	42.9	42.9	40.0	40.0	33.1	72
80	43.6	57.8	44.1	48.2	42.2	44.2	40.8	41.9	38.9	39.1	37.5	37.5	31.9	80
88	38.8	51.5	37.5	43.5	37.8	39.9	36.8	37.8	34.9	35.6	34.1	34.5	30.1	88
96	34.2	44.5	33.7	39.5	32.5	36.1	32.0	34.4	31.0	32.4	29.5	31.7	28.1	96
104	29.6	38.6	29.9	36.5	29.3	33.4	27.9	31.5	26.4	29.6	26.1	29.0	24.6	104
112	26.8	33.7	26.0	34.2	25.4	31.2	24.1	29.0	22.3	27.2	22.5	26.5	20.5	112
120	24.2	30.0	23.2	30.6	21.9	29.3	20.7	26.9	19.1	24.9	19.1	24.2	17.3	120
128	21.4	28.3	20.5	27.0	19.2	27.1	18.1	25.1	16.1	23.0	16.3	22.1	14.3	128
136	18.9	26.2	18.0	24.0	16.6	24.3	15.5	23.5	13.5	21.3	13.8	20.3	11.8	136
144	16.9	23.5	15.9	22.5	14.4	21.5	13.3	21.1	11.3	19.9	11.6	18.6	9.6	144
152	15.0	17.3	13.9	21.3	12.5	19.1	11.2	18.7	9.4	17.8	9.5	16.4	7.7	152
160	-	-	12.3	19.2	10.7	17.7	9.6	16.5	7.6	15.7	7.9	14.7	6.1	160
168	-	-	10.8	13.0	9.3	16.2	8.1	14.7	6.2	13.9	6.3	13.4	4.6	168
176	-	-	9.5	12.2	7.9	14.8	6.6	13.6	4.8	12.2	4.8	12.1	3.1	176
184	-	-	-	-	6.7	12.7	5.4	12.2	3.6	10.6	3.6	10.6	-	184
192	-	-	-	-	-	-	4.2	9.7	-	9.2	-	9.2	-	192
200	-	-	-	-	-	-	3.3	8.9	-	7.8	-	7.8	-	200
208	-	-	-	-	-	-	-	7.8	-	6.5	-	6.7	-	208
216	-	-	-	-	-	-	-	6.3	-	5.2	-	5.6	-	216
224	-	-	-	-	-	-	-	-	-	-	-	4.8	-	224

* Max. values are valid only for specific superstructure positions
 (-) Possible with reduced load

Operation

HA

42,300 lbs		28.5 ft x 27.8 ft				360° / Max.*				ASME B30.5						
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.			
ft	ft	47.6ft	47.6ft	64.0ft	64.0ft	80.1ft	80.1ft	96.5ft	96.5ft	112.5ft	112.5ft	128.9ft	128.9ft	145.0ft	145.0ft	ft
1,000 lbs																
10	330.7	330.7	330.7	330.7	317.5	317.5	(-)	(-)	-	-	-	-	-	-	-	10
12	330.7	330.7	330.7	330.7	317.5	317.5	283.3	283.3	-	-	-	-	-	-	-	12
14	327.8	330.7	328.3	330.7	317.5	317.5	283.3	283.3	(-)	(-)	-	-	-	-	-	14
16	309.4	316.9	310.5	318.7	308.3	313.3	283.3	283.3	229.6	229.6	(-)	(-)	(-)	(-)	(-)	16
18	278.5	287.5	280.7	289.9	279.1	288.5	255.4	273.0	224.8	234.8	(-)	(-)	(-)	(-)	(-)	18
20	247.3	257.5	250.5	260.0	246.3	260.0	230.3	257.4	209.1	232.3	182.1	184.7	(-)	(-)	(-)	20
24	197.1	212.4	202.6	215.0	193.1	210.7	178.3	211.6	167.0	208.3	157.0	181.3	138.8	144.2	24	24
28	151.5	176.7	158.6	180.4	153.2	181.1	145.4	179.4	138.3	171.2	127.0	161.9	116.8	141.1	28	28
32	114.5	150.2	121.8	154.1	125.1	155.1	121.9	154.6	114.0	147.3	105.2	139.2	99.3	123.6	32	32
36	91.5	131.2	98.2	135.0	104.4	136.1	102.2	132.4	97.2	128.2	91.6	116.9	87.5	104.4	36	36
40	-	-	80.7	117.8	83.9	118.8	84.4	118.0	82.3	108.8	81.4	98.8	76.1	91.6	40	40
48	-	-	57.4	89.9	60.2	92.3	60.6	90.3	63.6	83.6	62.5	76.2	60.4	75.2	48	48
56	-	-	-	-	46.1	70.7	48.6	70.5	48.4	66.5	48.4	64.8	48.4	60.8	56	56
64	-	-	-	-	36.7	54.8	38.1	55.0	38.5	55.0	39.0	54.8	38.8	50.4	64	64
72	-	-	-	-	29.0	44.1	30.4	44.6	31.4	46.5	31.5	45.4	31.3	44.0	72	72
80	-	-	-	-	-	-	24.6	38.7	25.7	38.5	25.7	37.6	25.5	38.7	80	80
88	-	-	-	-	-	-	-	-	21.1	32.7	21.0	32.9	20.9	32.7	88	88
96	-	-	-	-	-	-	-	-	17.5	28.1	17.3	28.9	17.2	28.3	96	96
104	-	-	-	-	-	-	-	-	14.5	25.2	14.3	25.4	14.0	24.9	104	104
112	-	-	-	-	-	-	-	-	-	-	11.6	22.1	11.3	21.7	112	112
120	-	-	-	-	-	-	-	-	-	-	9.5	19.5	9.3	19.2	120	120
128	-	-	-	-	-	-	-	-	-	-	-	-	7.5	16.7	128	128
136	-	-	-	-	-	-	-	-	-	-	-	-	5.9	14.6	136	136
144	-	-	-	-	-	-	-	-	-	-	-	-	4.7	12.9	144	144




		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.			
ft	ft	161.4ft	161.4ft	177.5ft	177.5ft	193.9ft	193.9ft	210.0ft	210.0ft	226.4ft	226.4ft	242.5ft	242.5ft	262.5ft	262.5ft	ft
1,000 lbs																
20	(-)	(-)	-	-	-	-	-	-	-	-	-	-	-	-	-	20
24	(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	-	-	-	-	-	-	24
28	106.8	114.9	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	28
32	94.2	107.8	83.5	83.5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	32
36	82.0	95.3	76.8	85.4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	36
40	72.0	87.0	69.0	77.9	66.0	71.7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	40
48	57.8	69.2	57.3	65.3	53.5	61.7	49.9	57.3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	48
56	48.0	56.6	45.7	55.0	42.3	53.3	39.3	50.8	35.7	46.5	34.7	41.5	(-)	(-)	(-)	56
64	38.1	49.5	36.7	47.8	33.9	45.8	31.5	42.8	28.1	39.4	27.4	37.6	24.0	33.1	64	64
72	30.4	42.0	29.3	41.8	27.5	38.7	25.3	36.1	22.2	33.0	21.5	31.9	18.2	28.6	72	72
80	24.5	37.0	23.4	36.1	21.7	33.2	19.8	30.6	17.1	27.9	16.5	27.1	13.2	23.8	80	80
88	19.8	32.4	18.7	31.3	17.2	28.5	15.5	26.2	12.9	23.6	12.4	23.0	9.3	20.0	88	88
96	16.1	27.8	14.9	27.2	13.4	24.6	11.9	22.4	9.6	20.0	9.1	19.5	6.2	16.6	96	96
104	12.9	24.3	11.8	23.4	10.3	21.3	8.9	19.3	6.7	16.9	6.3	16.5	3.6	13.8	104	104
112	10.5	21.0	9.4	20.1	7.8	18.6	6.5	16.6	4.5	14.2	4.1	13.8	-	11.1	112	112
120	8.3	18.2	7.3	17.2	5.7	15.7	4.4	14.3	-	12.1	-	11.6	-	9.0	120	120
128	6.4	15.7	5.4	14.8	4.0	13.4	-	12.1	-	10.0	-	9.6	-	7.2	128	128
136	4.9	13.7	3.8	12.8	-	11.3	-	10.1	-	8.1	-	7.9	-	5.4	136	136
144	3.6	11.8	2.5	10.9	-	9.6	-	8.4	-	6.7	-	6.2	-	3.8	144	144
152	-	10.2	-	9.3	-	7.9	-	6.8	-	5.1	-	4.9	-	-	152	152
160	-	-	-	8.0	-	6.5	-	5.3	-	3.8	-	3.5	-	-	160	160
168	-	-	-	6.7	-	5.4	-	4.1	-	-	-	-	-	-	168	168
176	-	-	-	5.7	-	4.1	-	3.0	-	-	-	-	-	-	176	176
184	-	-	-	-	-	3.2	-	-	-	-	-	-	-	-	184	184




* Max. values are valid only for specific superstructure positions

(-) Possible with reduced load

Operation

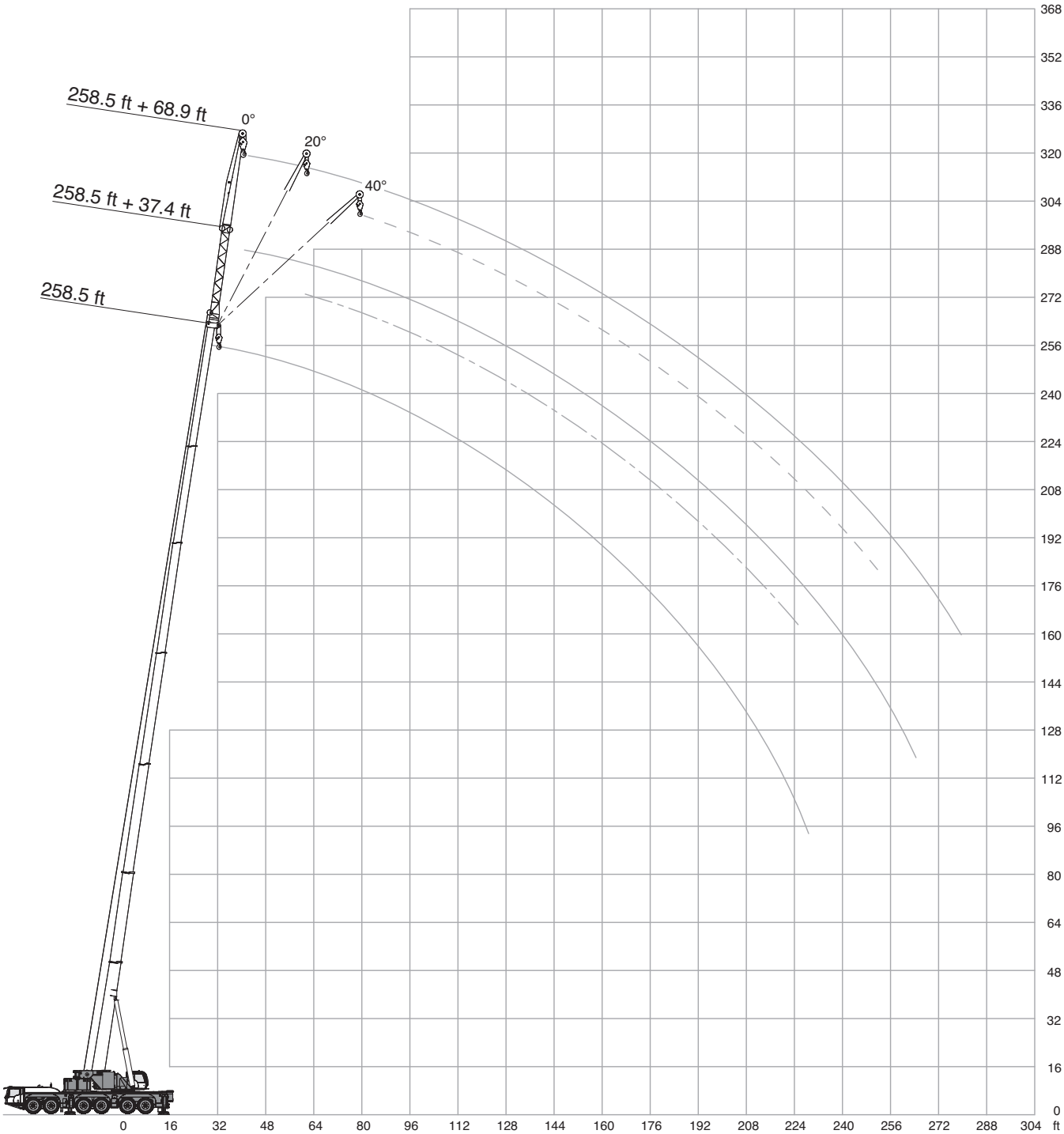
HA

0 lbs		28.5 ft x 27.8 ft												360° / Max.*		ASME B30.5	
		360° 47.6ft	Max. 47.6ft	360° 64.0ft	Max. 64.0ft	360° 80.1ft	Max. 80.1ft	360° 96.5ft	Max. 96.5ft	360° 112.5ft	Max. 112.5ft	360° 128.9ft	Max. 128.9ft	360° 145.0ft	Max. 145.0ft		
1,000 lbs																	
ft																ft	
10		330.7	330.7	330.7	330.7	317.5	317.5	(-)	(-)	-	-	-	-	-	-	10	
12		330.7	330.7	330.7	330.7	317.5	317.5	282.9	283.3	-	-	-	-	-	-	12	
14		320.7	327.0	322.5	328.5	292.7	317.5	261.5	283.3	(-)	(-)	-	-	-	-	14	
16		283.7	300.3	271.2	302.7	241.8	300.5	214.7	280.3	173.7	229.6	(-)	(-)	(-)	(-)	16	
18		238.5	267.0	224.3	261.2	200.9	258.0	178.0	247.5	165.5	222.6	(-)	(-)	(-)	(-)	18	
20		194.8	231.8	180.5	232.6	163.4	229.6	153.6	219.5	138.0	202.7	126.7	171.6	(-)	(-)	20	
24		128.6	188.3	128.9	192.3	123.6	186.1	113.9	163.8	105.7	149.1	99.4	128.6	91.1	116.2	24	
28		84.8	158.2	96.2	155.1	93.7	139.0	87.7	130.3	85.0	115.6	79.8	105.8	75.5	99.1	28	
32		57.4	128.0	69.3	119.0	72.7	114.0	72.0	104.2	68.6	95.1	65.0	91.2	61.0	84.1	32	
36		41.8	98.4	52.6	97.7	58.9	95.3	58.9	88.5	57.7	83.0	54.3	79.4	51.2	73.9	36	
40		-	-	39.0	81.0	45.4	80.0	47.4	74.8	47.5	73.8	45.0	68.4	42.7	65.8	40	
48		-	-	23.9	55.7	29.9	58.5	31.7	59.7	33.2	57.1	32.6	55.3	31.2	52.4	48	
56		-	-	-	-	20.2	45.0	21.8	46.6	23.4	45.3	23.1	44.3	22.8	41.6	56	
64		-	-	-	-	13.5	35.1	15.1	36.4	16.5	37.1	16.4	35.7	16.4	33.7	64	
72		-	-	-	-	8.9	27.9	10.2	29.0	11.6	30.1	11.6	29.5	11.4	27.7	72	
80		-	-	-	-	-	6.9	6.9	23.5	8.1	24.6	7.9	24.4	7.9	23.0	80	
88		-	-	-	-	-	-	-	-	5.4	20.0	5.2	19.9	5.1	19.2	88	
96		-	-	-	-	-	-	-	-	3.2	16.4	3.1	16.2	2.9	16.0	96	
104		-	-	-	-	-	-	-	-	-	13.4	-	13.2	-	12.9	104	
112		-	-	-	-	-	-	-	-	-	-	-	10.7	-	10.5	112	
120		-	-	-	-	-	-	-	-	-	-	-	8.7	-	8.4	120	
128		-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	128	
136		-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	136	
144		-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	144	

		360° 161.4ft	Max. 161.4ft	360° 177.5ft	Max. 177.5ft	360° 193.9ft	Max. 193.9ft	360° 210.0ft	Max. 210.0ft	360° 226.4ft	Max. 226.4ft	360° 242.5ft	Max. 242.5ft	360° 262.5ft	Max. 262.5ft	
1,000 lbs																
ft																ft
20		(-)	(-)	-	-	-	-	-	-	-	-	-	-	-	-	20
24		(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	-	-	-	-	-	24
28		65.9	88.8	(-)	(-)	(-)	(-)	(-)	(-)	-	-	-	-	-	-	28
32		56.1	79.3	46.4	71.0	(-)	(-)	(-)	(-)	-	(-)	-	-	-	-	32
36		47.1	69.3	42.2	65.4	(-)	(-)	(-)	(-)	-	(-)	-	(-)	-	(-)	36
40		39.2	62.1	36.2	57.5	32.3	51.9	(-)	(-)	-	(-)	-	(-)	-	(-)	40
48		28.5	48.1	26.2	44.5	22.9	40.1	20.0	36.3	-	(-)	-	(-)	-	(-)	48
56		20.6	38.1	18.6	35.4	15.6	31.7	12.7	28.5	-	25.3	-	24.3	-	(-)	56
64		14.4	30.7	12.6	28.4	9.9	25.2	7.3	22.5	-	19.8	-	19.1	-	15.7	64
72		10.0	25.0	8.2	23.0	5.6	20.2	3.4	18.0	-	15.3	-	14.6	-	11.8	72
80		6.6	20.6	5.1	18.9	-	16.4	-	14.3	-	11.8	-	11.2	-	8.6	80
88		4.0	17.2	-	15.5	-	13.1	-	11.1	-	8.8	-	8.4	-	5.8	88
96		-	14.3	-	12.7	-	10.4	-	8.6	-	6.4	-	6.0	-	3.4	96
104		-	11.8	-	10.2	-	8.2	-	6.4	-	4.2	-	3.8	-	-	104
112		-	9.6	-	8.3	-	6.3	-	4.5	-	-	-	-	-	-	112
120		-	7.5	-	6.4	-	4.5	-	-	-	-	-	-	-	-	120
128		-	5.7	-	4.6	-	3.1	-	-	-	-	-	-	-	-	128
136		-	4.3	-	3.2	-	-	-	-	-	-	-	-	-	-	136
144		-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	144

* Max. values are valid only for specific superstructure positions

(-) Possible with reduced load



Operation

206,800 lbs		28.5 ft x 27.8 ft		360°		ASME B30.5									
47.6 ft								145.0 ft							
ft	37.4 ft			68.9 ft			ft	37.4 ft			68.9 ft				
	0°	20°	40°	0°	20°	40°		0°	20°	40°	0°	20°	40°		
1,000 lbs															
10	47.4	-	-	-	-	-	28	47.4	-	-	19.9	-	-		
12	47.4	-	-	24.0	-	-	32	47.4	-	-	19.7	-	-		
14	47.4	-	-	23.7	-	-	36	47.4	-	-	19.3	-	-		
16	47.4	-	-	23.3	-	-	40	47.4	32.5	-	18.9	-	-		
18	47.4	-	-	22.9	-	-	48	46.6	30.4	22.5	18.2	-	-		
20	47.4	37.5	-	22.6	-	-	56	43.0	28.5	21.7	17.5	13.5	-		
24	47.4	34.5	-	21.9	-	-	64	39.3	26.8	20.9	16.9	12.9	-		
28	45.6	31.8	-	21.3	-	-	72	36.0	25.4	20.3	16.3	12.1	-		
32	41.1	29.7	23.4	20.3	-	-	80	33.1	24.1	19.8	15.6	11.6	9.2		
36	37.2	27.8	22.4	19.3	-	-	88	30.6	23.0	19.3	15.0	11.1	8.9		
40	33.8	26.0	21.5	18.3	14.2	-	96	28.6	22.1	18.9	14.2	10.5	8.7		
48	29.0	23.4	20.2	16.0	12.9	-	104	26.9	21.3	18.6	13.3	10.2	8.6		
56	25.4	21.2	19.0	14.3	11.7	-	112	25.3	20.5	18.3	12.5	9.7	8.4		
64	22.2	19.7	-	12.7	10.7	9.4	120	23.9	19.7	18.1	11.9	9.4	8.2		
72	19.9	18.5	-	11.5	9.9	8.8	128	22.7	19.2	18.0	11.2	9.1	8.0		
80	-	-	-	10.5	9.4	8.5	136	21.6	18.6	14.6	10.7	8.9	7.9		
88	-	-	-	9.6	8.7	8.2	144	20.6	18.3	-	10.4	8.6	7.9		
96	-	-	-	9.0	8.5	-	152	19.7	18.1	-	9.9	8.4	7.9		
104	-	-	-	8.4	-	-	160	19.0	11.7	-	9.5	8.3	7.9		
							168	10.9	-	-	9.1	8.1	-		
							176	10.2	-	-	8.9	8.0	-		
							184	-	-	-	8.6	7.9	-		
							192	-	-	-	8.3	-	-		
							200	-	-	-	8.2	-	-		

242.5 ft													
ft	37.4 ft			68.9 ft			ft						
	0°	20°	40°	0°	20°	40°							
1,000 lbs													
64	24.5	-	-	12.6	-	-	72	19.2	-	-	11.2	-	-
72	24.5	-	-	12.4	-	-	80	19.2	-	-	11.2	-	-
80	24.5	23.1	-	12.3	-	-	88	19.2	19.2	-	11.0	-	-
88	24.5	22.4	19.0	12.0	-	-	96	19.2	19.2	18.2	10.9	-	-
96	24.5	21.8	18.6	11.9	10.9	-	104	19.2	19.2	17.9	10.8	10.4	-
104	24.5	21.2	18.3	11.7	10.6	-	112	19.2	19.2	17.6	10.6	10.1	8.4
112	23.7	20.5	18.1	11.5	10.3	8.4	120	18.9	19.1	17.4	10.5	9.9	8.2
120	22.1	20.2	17.8	11.4	9.9	8.2	128	17.9	18.2	17.2	10.4	9.6	8.0
128	20.5	19.6	17.5	11.1	9.6	8.0	136	16.6	17.0	16.7	10.2	9.3	7.9
136	18.9	19.1	17.3	11.0	9.5	7.9	144	15.5	15.7	15.9	10.1	9.3	7.9
144	17.3	17.7	16.6	10.8	9.3	7.9	152	14.1	14.6	14.8	9.9	9.0	7.7
152	15.9	16.4	15.8	10.5	9.0	7.7	160	12.9	13.5	13.9	9.8	8.7	7.7
160	14.6	15.0	15.0	10.4	8.7	7.7	168	11.7	12.3	12.9	9.6	8.5	7.6
168	13.4	13.8	14.0	10.2	8.5	7.7	176	10.5	11.2	11.8	9.3	8.4	7.5
176	12.3	12.7	12.9	10.0	8.4	7.7	184	9.6	10.1	10.9	9.0	8.3	7.5
184	11.2	11.6	11.9	9.6	8.3	7.6	192	8.6	9.1	10.0	8.7	8.1	7.5
192	10.2	10.6	10.8	9.1	8.1	7.5	200	7.8	8.3	9.2	8.2	8.0	7.5
200	9.4	9.7	9.9	8.6	7.8	7.5	208	7.0	7.5	8.4	7.6	7.6	7.3
208	8.6	8.8	8.9	8.1	7.6	7.5	216	6.2	6.7	7.5	7.1	7.1	7.1
216	7.8	8.0	8.0	7.5	7.5	7.5	224	5.5	5.9	6.7	6.4	6.6	6.7
224	7.1	7.2	-	6.9	7.2	7.4	232	4.9	5.1	-	5.8	6.0	6.2
232	6.4	6.4	-	6.2	6.9	7.0	240	4.2	4.4	-	5.1	5.5	5.7
240	5.7	5.7	-	5.7	6.2	6.2	248	3.6	3.8	-	4.5	4.9	5.1
248	5.1	5.1	-	5.2	5.5	-	256	3.1	3.3	-	4.0	4.4	-
256	-	-	-	4.6	4.8	-	264	2.7	2.8	-	3.4	3.9	-
264	-	-	-	4.1	4.3	-	272	-	-	-	2.9	3.3	-
272	-	-	-	3.5	3.7	-	280	-	-	-	2.5	2.8	-
280	-	-	-	3.0	3.0	-							




262.5 ft													
ft	37.4 ft			68.9 ft			ft						
	0°	20°	40°*	0°*	20°*	40°*							
1,000 lbs													
72	19.2	-	-	11.2	-	-	80	19.2	-	-	11.2	-	-
80	19.2	-	-	11.2	-	-	88	19.2	19.2	-	11.0	-	-
88	19.2	19.2	-	11.0	-	-	96	19.2	19.2	18.2	10.9	-	-
96	19.2	19.2	18.2	10.9	-	-	104	19.2	19.2	17.9	10.8	10.4	-
104	19.2	19.2	17.9	10.8	10.4	-	112	19.2	19.2	17.6	10.6	10.1	8.4
112	19.2	19.2	17.6	10.6	10.1	8.4	120	18.9	19.1	17.4	10.5	9.9	8.2
120	18.9	19.1	17.4	10.5	9.9	8.2	128	17.9	18.2	17.2	10.4	9.6	8.0
128	17.9	18.2	17.2	10.4	9.6	8.0	136	16.6	17.0	16.7	10.2	9.3	7.9
136	16.6	17.0	16.7	10.2	9.3	7.9	144	15.5	15.7	15.9	10.1	9.3	7.9
144	15.5	15.7	15.9	10.1	9.3	7.9	152	14.1	14.6	14.8	9.9	9.0	7.7
152	14.1	14.6	14.8	9.9	9.0	7.7	160	12.9	13.5	13.9	9.8	8.7	7.7
160	12.9	13.5	13.9	9.8	8.7	7.7	168	11.7	12.3	12.9	9.6	8.5	7.6
168	11.7	12.3	12.9	9.6	8.5	7.6	176	10.5	11.2	11.8	9.3	8.4	7.5
176	10.5	11.2	11.8	9.3	8.4	7.5	184	9.6	10.1	10.9	9.0	8.3	7.5
184	9.6	10.1	10.9	9.0	8.3	7.5	192	8.6	9.1	10.0	8.7	8.1	7.5
192	8.6	9.1	10.0	8.7	8.1	7.5	200	7.8	8.3	9.2	8.2	8.0	7.5
200	7.8	8.3	9.2	8.2	8.0	7.5	208	7.0	7.5	8.4	7.6	7.6	7.3
208	7.0	7.5	8.4	7.6	7.6	7.3	216	6.2	6.7	7.5	7.1	7.1	7.1
216	6.2	6.7	7.5	7.1	7.1	7.1	224	5.5	5.9	6.7	6.4	6.6	6.7
224	5.5	5.9	6.7	6.4	6.6	6.7	232	4.9	5.1	-	5.8	6.0	6.2
232	4.9	5.1	-	5.8	6.0	6.2	240	4.2	4.4	-	5.1	5.5	5.7
240	4.2	4.4	-	5.1	5.5	5.7	248	3.6	3.8	-	4.5	4.9	5.1
248	3.6	3.8	-	4.5	4.9	5.1	256	3.1	3.3	-	4.0	4.4	-
256	3.1	3.3	-	4.0	4.4	-	264	2.7	2.8	-	3.4	3.9	-
264	2.7	2.8	-	3.4	3.9	-	272	-	-	-	2.9	3.3	-
272	-	-	-	2.9	3.3	-	280	-	-	-	2.5	2.8	-
280	-	-	-	2.5	2.8	-							




*258.5 ft




Operation




HAV

 109,800 lbs  28.5 ft x 27.8 ft 360° ASME B30.5

 47.6 ft							
ft	 37.4 ft			 68.9 ft			1,000 lbs
	0°	20°	40°	0°	20°	40°	
10	47.4	-	-	-	-	-	
12	47.4	-	-	24.0	-	-	
14	47.4	-	-	23.7	-	-	
16	47.4	-	-	23.3	-	-	
18	47.4	-	-	22.9	-	-	
20	47.4	37.5	-	22.6	-	-	
24	47.4	34.5	-	21.9	-	-	
28	45.6	31.8	-	21.3	-	-	
32	41.1	29.7	23.4	20.3	-	-	
36	37.2	27.8	22.4	19.3	-	-	
40	33.8	26.0	21.5	18.3	14.2	-	
48	29.0	23.4	20.2	16.0	12.9	-	
56	25.4	21.2	19.0	14.3	11.7	-	
64	22.2	19.7	-	12.7	10.7	9.4	
72	19.9	18.5	-	11.5	9.9	8.8	
80	-	-	-	10.5	9.4	8.5	
88	-	-	-	9.6	8.7	8.2	
96	-	-	-	9.0	8.5	-	
104	-	-	-	8.4	-	-	

 145.0 ft							
ft	 37.4 ft			 68.9 ft			1,000 lbs
	0°	20°	40°	0°	20°	40°	
28	47.4	-	-	19.9	-	-	
32	47.4	-	-	19.7	-	-	
36	47.4	-	-	19.3	-	-	
40	47.4	32.5	-	18.9	-	-	
48	46.6	30.4	22.5	18.2	-	-	
56	43.0	28.5	21.7	17.5	13.5	-	
64	39.3	26.8	20.9	16.9	12.9	-	
72	36.0	25.4	20.3	16.3	12.1	-	
80	33.1	24.1	19.8	15.6	11.6	9.2	
88	30.6	23.0	19.3	15.0	11.1	8.9	
96	28.6	22.1	18.9	14.2	10.5	8.7	
104	26.7	21.3	18.6	13.3	10.2	8.6	
112	24.9	20.5	18.3	12.5	9.7	8.4	
120	22.5	19.7	18.1	11.9	9.4	8.2	
128	20.3	19.1	18.0	11.2	9.1	8.0	
136	18.8	18.3	14.6	10.7	8.9	7.9	
144	16.9	17.5	-	10.4	8.6	7.9	
152	15.3	15.4	-	9.9	8.4	7.9	
160	14.3	11.7	-	9.5	8.3	7.9	
168	10.9	-	-	9.1	8.1	-	
176	10.2	-	-	8.9	8.0	-	
184	-	-	-	8.5	7.9	-	
192	-	-	-	8.3	-	-	
200	-	-	-	8.2	-	-	


 242.5 ft							
ft	 37.4 ft			 68.9 ft			1,000 lbs
	0°	20°	40°	0°	20°	40°	
64	24.5	-	-	12.6	-	-	
72	24.5	-	-	12.4	-	-	
80	24.5	23.1	-	12.3	-	-	
88	24.5	22.4	19.0	12.0	-	-	
96	24.5	21.8	18.6	11.9	10.9	-	
104	24.1	21.2	18.3	11.7	10.6	-	
112	21.0	20.5	18.1	11.5	10.3	8.4	
120	19.0	19.6	17.8	11.4	9.9	8.2	
128	16.4	18.0	17.4	11.1	9.6	8.0	
136	13.8	15.6	16.5	11.0	9.5	7.9	
144	11.6	13.3	14.4	10.6	9.3	7.9	
152	9.7	11.2	12.3	9.7	9.0	7.7	
160	7.9	9.3	10.2	8.2	8.7	7.7	
168	6.4	7.6	8.5	6.8	8.3	7.7	
176	5.0	6.2	6.8	5.5	7.6	7.7	
184	3.8	4.8	5.5	4.3	6.3	7.1	
192	-	-	4.2	-	5.0	6.3	
200	-	-	2.9	-	3.8	5.0	
208	-	-	-	-	-	3.8	
216	-	-	-	-	-	2.7	

 262.5 ft							
ft	 37.4 ft			 68.9 ft			1,000 lbs
	0°	20°	40°*	0°*	20°*	40°*	
72	19.2	-	-	11.2	-	-	
80	19.2	-	-	11.2	-	-	
88	19.2	19.2	-	11.0	-	-	
96	19.2	19.2	18.2	10.9	-	-	
104	19.2	19.2	17.9	10.8	10.4	-	
112	19.0	19.2	17.6	10.6	10.1	8.4	
120	16.6	18.6	17.4	10.5	9.9	8.2	
128	13.9	16.1	17.2	10.4	9.6	8.0	
136	11.5	13.5	15.6	10.2	9.3	7.9	
144	9.6	11.3	13.1	9.5	9.3	7.9	
152	7.7	9.4	11.0	7.7	9.0	7.7	
160	6.1	7.6	8.9	6.2	8.6	7.7	
168	4.6	6.0	7.1	4.8	7.4	7.6	
176	3.1	4.4	5.5	3.5	5.9	7.5	
184	-	-	4.1	-	4.7	6.5	
192	-	-	-	-	-	5.2	
200	-	-	-	-	-	3.9	


 *258.5 ft

Operation


 42,300 lbs  28.5 ft x 27.8 ft 360° ASME B30.5

 47.6 ft


ft	37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°	40°
	1,000 lbs					
10	47.4	-	-	-	-	-
12	47.4	-	-	24.0	-	-
14	47.4	-	-	23.7	-	-
16	47.4	-	-	23.3	-	-
18	47.4	-	-	22.9	-	-
20	47.4	37.5	-	22.6	-	-
24	47.4	34.5	-	21.9	-	-
28	45.6	31.8	-	21.3	-	-
32	41.1	29.7	23.4	20.3	-	-
36	37.2	27.8	22.4	19.3	-	-
40	33.8	26.0	21.5	18.3	14.2	-
48	29.0	23.4	20.2	16.0	12.9	-
56	25.4	21.2	19.0	14.3	11.7	-
64	22.2	19.7	-	12.7	10.7	9.4
72	19.9	18.5	-	11.5	9.9	8.8
80	-	-	-	10.5	9.4	8.5
88	-	-	-	9.6	8.7	8.2
96	-	-	-	9.0	8.5	-
104	-	-	-	8.4	-	-

 145.0 ft

ft	37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°	40°
	1,000 lbs					
28	47.4	-	-	19.9	-	-
32	47.4	-	-	19.7	-	-
36	47.4	-	-	19.3	-	-
40	47.4	32.5	-	18.9	-	-
48	46.5	30.4	22.5	18.2	-	-
56	41.2	28.5	21.7	17.5	13.5	-
64	36.8	26.8	20.9	16.9	12.9	-
72	31.6	25.4	20.3	16.3	12.1	-
80	26.8	23.7	19.8	15.6	11.6	9.2
88	22.1	22.2	19.2	15.0	11.1	8.9
96	18.3	20.2	18.7	14.0	10.5	8.7
104	15.1	16.7	17.8	13.1	10.2	8.6
112	12.4	14.0	15.1	12.3	9.7	8.4
120	10.4	11.6	12.4	11.2	9.4	8.2
128	8.5	9.6	10.2	9.4	9.1	8.0
136	6.8	7.7	8.4	7.6	8.9	7.9
144	5.4	6.2	-	6.2	8.0	7.9
152	4.2	4.9	-	4.9	6.4	7.5
160	3.1	3.6	-	3.9	5.2	6.2
168	-	-	-	-	4.1	-
176	-	-	-	-	3.0	-

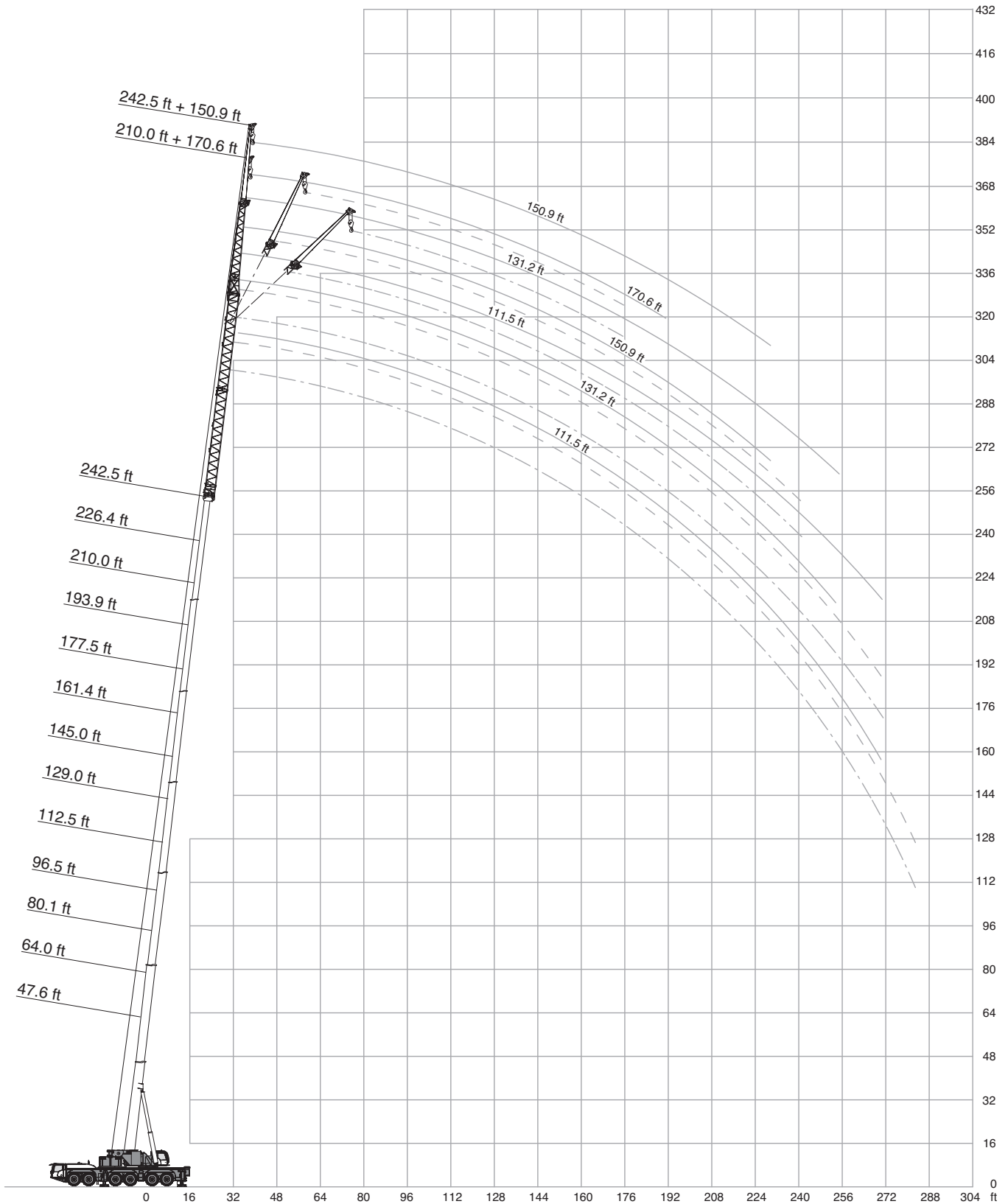
 242.5 ft

ft	37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°	40°
	1,000 lbs					
64	23.4	-	-	12.6	-	-
72	19.7	-	-	12.4	-	-
80	14.8	18.7	-	11.8	-	-
88	10.8	14.3	17.3	9.9	-	-
96	7.7	10.7	13.4	6.8	10.9	-
104	5.1	7.8	10.3	4.5	9.1	-
112	-	5.4	7.6	-	6.7	8.4
120	-	3.3	5.3	-	4.6	7.8
128	-	-	3.4	-	-	6.2
136	-	-	-	-	-	4.2
144	-	-	-	-	-	2.5

 262.5 ft

ft	37.4 ft			68.9 ft		
	0°	20°	40°*	0°*	20°*	40°*
	1,000 lbs					
72	16.0	-	-	11.2	-	-
80	11.3	-	-	10.7	-	-
88	7.7	11.3	-	7.2	-	-
96	4.6	8.0	11.4	4.3	10.9	-
104	-	5.2	8.1	-	9.1	-
112	-	-	5.6	-	6.7	8.4
120	-	-	-	-	4.6	7.8
128	-	-	-	-	-	6.2
136	-	-	-	-	-	4.2
144	-	-	-	-	-	2.5

 *258.5 ft



Operation

206,800 lbs		28.5 ft x 27.8 ft		360°		ASME B30.5								
47.6 ft														
ft	ft	111.5 ft			131.2 ft			150.9 ft			170.6 ft			ft
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs														
20		21.8	-	-	-	-	-	-	-	-	-	-	-	20
24		21.2	-	-	19.9	-	-	-	-	-	-	-	-	24
28		20.7	-	-	19.5	-	-	-	-	-	-	-	-	28
32		20.2	-	-	18.9	-	-	17.4	-	-	-	-	-	32
36		19.5	-	-	18.1	-	-	16.4	-	-	14.3	-	-	36
40		18.8	-	-	17.3	-	-	15.5	-	-	13.5	-	-	40
48		17.2	14.1	-	15.4	-	-	13.7	-	-	12.0	-	-	48
56		15.3	13.0	-	13.6	12.6	-	12.1	-	-	10.7	-	-	56
64		13.6	12.1	-	12.0	11.3	-	10.6	10.2	-	9.3	9.3	-	64
72		12.2	11.3	9.5	10.6	10.2	-	9.5	9.1	-	8.2	8.2	-	72
80		10.9	10.2	9.0	9.5	9.1	8.7	8.3	8.0	8.0	7.3	7.1	7.3	80
88		9.9	9.2	8.7	8.5	8.2	8.0	7.4	7.2	7.2	6.3	6.3	6.4	88
96		9.1	8.5	8.3	7.7	7.4	7.3	6.6	6.6	6.6	5.5	5.7	5.8	96
104		8.3	7.8	7.8	6.9	6.7	6.7	5.8	5.8	5.8	4.9	4.9	5.1	104
112		7.7	7.2	7.2	6.4	6.1	6.1	5.3	5.3	5.3	4.4	4.4	4.6	112
120		6.9	6.8	-	5.8	5.7	5.6	4.7	4.7	4.8	3.8	3.9	4.1	120
128		6.5	6.4	-	5.3	5.3	5.2	4.3	4.3	4.4	3.3	3.5	3.6	128
136		6.1	6.0	-	4.9	4.8	-	3.9	3.9	4.0	2.9	3.1	3.2	136
144		5.7	-	-	4.4	4.4	-	3.5	3.5	3.6	2.7	2.7	2.9	144
152		-	-	-	4.2	4.2	-	3.1	3.3	-	-	2.4	2.6	152
160		-	-	-	3.9	-	-	2.8	3.0	-	-	-	-	160
168		-	-	-	-	-	-	2.6	2.7	-	-	-	-	168
176		-	-	-	-	-	-	2.4	2.5	-	-	-	-	176

145.0 ft														
ft	ft	111.5 ft			131.2 ft			150.9 ft			170.6 ft			ft
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs														
40		17.2	-	-	-	-	-	-	-	-	-	-	-	40
48		16.6	-	-	15.2	-	-	-	-	-	-	-	-	48
56		16.1	-	-	14.4	-	-	12.2	-	-	10.0	-	-	56
64		15.5	-	-	13.4	-	-	11.4	-	-	9.2	-	-	64
72		14.6	12.4	-	12.6	-	-	10.6	-	-	8.6	-	-	72
80		13.7	11.8	-	11.6	10.2	-	9.8	8.9	-	7.9	7.4	-	80
88		12.7	11.0	9.0	10.8	9.4	-	9.0	8.2	-	7.3	6.9	-	88
96		12.1	10.3	8.9	10.1	8.8	8.1	8.3	7.5	7.0	6.8	6.3	-	96
104		11.3	9.8	8.6	9.4	8.2	7.6	7.8	6.9	6.5	6.2	5.8	5.5	104
112		10.5	9.2	8.3	8.8	7.7	7.0	7.0	6.4	6.1	5.7	5.3	5.1	112
120		9.8	8.7	7.9	8.0	7.2	6.7	6.5	6.0	5.7	5.2	4.9	4.7	120
128		9.3	8.3	7.6	7.5	6.8	6.3	6.1	5.6	5.3	4.8	4.5	4.3	128
136		8.7	7.8	7.3	7.0	6.3	6.0	5.6	5.2	4.9	4.3	4.1	4.0	136
144		8.4	7.5	7.1	6.6	6.0	5.7	5.1	4.9	4.6	4.0	3.8	3.8	144
152		7.9	7.0	6.8	6.1	5.7	5.5	4.8	4.4	4.4	3.5	3.5	3.5	152
160		7.4	6.7	6.5	5.8	5.4	5.2	4.3	4.1	4.1	3.2	3.2	3.2	160
168		7.1	6.5	6.3	5.4	5.2	4.9	4.1	3.8	3.8	3.0	3.0	3.0	168
176		6.7	6.2	6.0	5.1	4.9	4.7	3.8	3.6	3.6	2.7	2.7	2.7	176
184		6.4	5.9	5.8	4.8	4.6	4.5	3.5	3.4	3.3	2.4	-	2.4	184
192		6.1	5.7	5.5	4.6	4.4	4.4	3.2	3.2	3.1	-	-	-	192
200		5.8	5.6	5.3	4.3	4.1	4.1	3.0	3.0	2.9	-	-	-	200
208		5.7	5.4	-	4.0	3.9	-	2.8	2.8	2.8	-	-	-	208
216		5.5	5.3	-	3.8	3.8	-	2.7	2.7	2.7	-	-	-	216
224		5.4	5.2	-	3.6	3.6	-	2.5	2.4	-	-	-	-	224
232		5.3	4.1	-	3.5	3.5	-	-	-	-	-	-	-	232
240		5.1	3.7	-	3.5	3.4	-	-	-	-	-	-	-	240
248		3.4	-	-	3.4	2.8	-	-	-	-	-	-	-	248

Operation







LF





206,800 lbs		28.5 ft x 27.8 ft		360°		ASME B30.5									
242.5 ft															
ft	0°	111.5 ft		131.2 ft			150.9 ft			170.6 ft			ft		
		20°	40°	0°	20°	40°	0°	20°*	40°*	0°*	20°*	40°*			
1,000 lbs															
80	9.3	-	-	-	-	-	-	-	-	-	-	6.1	-	-	80
88	9.3	-	-	7.5	-	-	-	-	-	-	-	5.6	-	-	88
96	9.3	-	-	7.4	-	-	-	5.6	-	-	-	5.4	-	-	96
104	9.1	-	-	7.1	-	-	-	5.3	-	-	-	5.1	-	-	104
112	8.8	8.1	-	6.8	6.4	-	-	5.1	5.9	-	-	4.6	4.4	-	112
120	8.6	7.9	-	6.6	6.1	-	-	4.8	5.4	5.2	-	4.3	4.1	-	120
128	8.5	7.6	6.6	6.3	5.8	-	-	4.6	5.2	5.0	-	4.1	3.9	3.6	128
136	8.2	7.3	6.5	6.2	5.6	5.4	-	4.5	4.9	4.7	-	3.8	3.6	3.5	136
144	7.7	7.1	6.4	6.0	5.3	5.1	-	4.2	4.6	4.4	-	3.5	3.3	3.3	144
152	7.5	6.8	6.1	5.7	5.3	5.0	-	4.0	4.4	4.2	-	3.3	3.1	3.1	152
160	7.2	6.5	6.0	5.4	5.0	4.8	-	3.9	4.1	4.0	-	3.0	2.9	2.8	160
168	6.9	6.3	5.9	5.2	4.8	4.6	-	3.6	3.9	3.8	-	2.8	2.7	2.6	168
176	6.7	6.2	5.8	5.1	4.6	4.4	-	3.3	3.8	3.6	-	2.7	2.5	2.4	176
184	6.5	5.9	5.6	4.8	4.4	4.3	-	3.2	3.5	3.4	-	2.4	-	-	184
192	6.3	5.7	5.5	4.6	4.2	4.1	-	3.1	3.2	3.2	-	-	-	-	192
200	6.1	5.6	5.3	4.5	4.0	3.9	-	2.9	3.0	3.0	-	-	-	-	200
208	5.8	5.4	5.2	4.3	3.9	3.7	-	2.8	2.8	2.8	-	-	-	-	208
216	5.5	5.3	5.1	4.0	3.8	3.5	-	2.7	2.7	2.7	-	-	-	-	216
224	5.1	4.9	4.9	3.8	3.6	3.5	-	2.5	2.5	2.5	-	-	-	-	224
232	4.7	4.6	4.8	3.6	3.4	3.5	-	-	2.4	2.4	-	-	-	-	232
240	4.2	4.3	4.5	3.2	3.2	3.4	-	-	2.3	2.3	-	-	-	-	240
248	3.7	4.0	4.2	2.9	3.0	3.1	-	-	-	-	-	-	-	-	248
256	3.3	3.7	4.0	-	2.9	2.9	-	-	-	-	-	-	-	-	256
264	2.9	3.3	3.4	-	2.6	2.7	-	-	-	-	-	-	-	-	264
272	-	2.9	2.9	-	-	-	-	-	-	-	-	-	-	-	272
280	-	2.3	2.3	-	-	-	-	-	-	-	-	-	-	-	280

109,800 lbs		28.5 ft x 27.8 ft		360°		ASME B30.5									
47.6 ft															
ft	0°	111.5 ft		131.2 ft			150.9 ft			170.6 ft			ft		
		20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
1,000 lbs															
20	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	20
24	21.2	-	-	19.9	-	-	-	-	-	-	-	-	-	-	24
28	20.7	-	-	19.5	-	-	-	-	-	-	-	-	-	-	28
32	20.2	-	-	18.9	-	-	-	17.4	-	-	-	-	-	-	32
36	19.5	-	-	18.1	-	-	-	16.4	-	-	-	14.3	-	-	36
40	18.8	-	-	17.3	-	-	-	15.5	-	-	-	13.5	-	-	40
48	17.2	14.1	-	15.4	-	-	-	13.7	-	-	-	12.0	-	-	48
56	15.3	13.0	-	13.6	12.6	-	-	12.1	-	-	-	10.7	-	-	56
64	13.6	12.1	-	12.0	11.3	-	-	10.6	10.2	-	-	9.3	9.3	-	64
72	12.2	11.3	9.5	10.6	10.2	-	-	9.5	9.1	-	-	8.2	8.2	-	72
80	10.9	10.2	9.0	9.5	9.1	8.7	-	8.3	8.0	8.0	-	7.3	7.1	7.3	80
88	9.9	9.2	8.7	8.5	8.2	8.0	-	7.4	7.2	7.2	-	6.3	6.3	6.4	88
96	9.1	8.5	8.3	7.7	7.4	7.3	-	6.6	6.6	6.6	-	5.5	5.7	5.8	96
104	8.3	7.8	7.8	6.9	6.7	6.7	-	5.8	5.8	5.8	-	4.9	4.9	5.1	104
112	7.7	7.2	7.2	6.4	6.1	6.1	-	5.3	5.3	5.3	-	4.4	4.4	4.6	112
120	6.9	6.8	-	5.8	5.7	5.6	-	4.7	4.7	4.8	-	3.8	3.9	4.1	120
128	6.5	6.4	-	5.3	5.3	5.2	-	4.3	4.3	4.4	-	3.3	3.5	3.6	128
136	6.1	6.0	-	4.9	4.8	-	-	3.9	3.9	4.0	-	2.9	3.1	3.2	136
144	5.7	-	-	4.4	4.4	-	-	3.5	3.5	3.6	-	2.7	2.7	2.9	144
152	-	-	-	4.2	4.2	-	-	3.1	3.3	-	-	-	2.4	2.6	152
160	-	-	-	3.9	-	-	-	2.8	3.0	-	-	-	-	-	160
168	-	-	-	-	-	-	-	2.6	2.7	-	-	-	-	-	168
176	-	-	-	-	-	-	-	2.4	2.5	-	-	-	-	-	176

 *210.0 ft

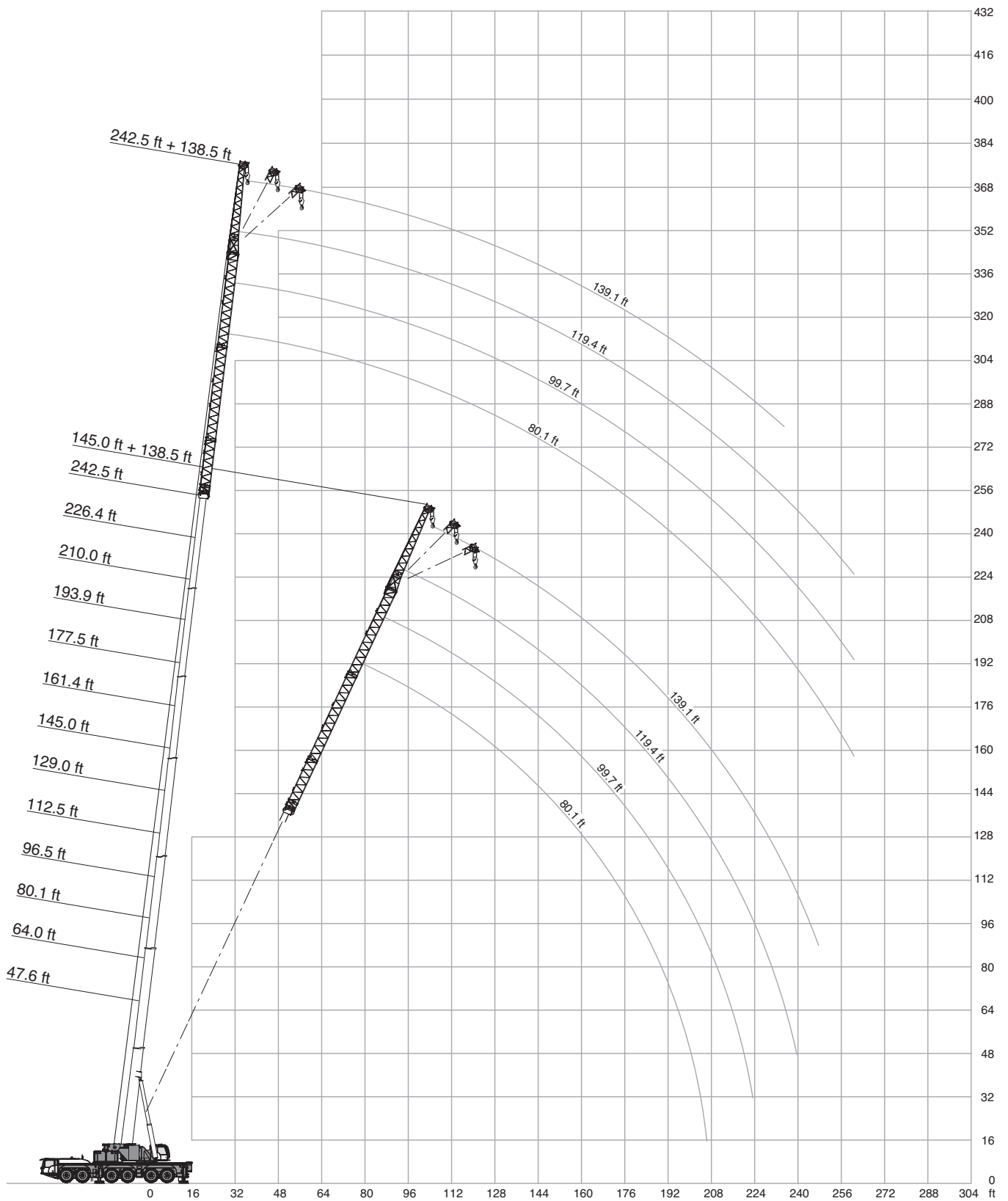
Operation

 109,800 lbs		 28.5 ft x 27.8 ft		360°		ASME B30.5								
 145.0 ft														
 ft		111.5 ft			131.2 ft			150.9 ft			170.6 ft			 ft
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs														
40		17.2	-	-	-	-	-	-	-	-	-	-	-	40
48		16.6	-	-	15.2	-	-	-	-	-	-	-	-	48
56		16.1	-	-	14.4	-	-	12.2	-	-	10.0	-	-	56
64		15.5	-	-	13.4	-	-	11.4	-	-	9.2	-	-	64
72		14.6	12.4	-	12.6	-	-	10.6	-	-	8.6	-	-	72
80		13.7	11.8	-	11.6	10.2	-	9.8	8.9	-	7.9	7.4	-	80
88		12.7	11.0	9.0	10.8	9.4	-	9.0	8.2	-	7.3	6.9	-	88
96		12.1	10.3	8.9	10.1	8.8	8.1	8.3	7.5	7.0	6.8	6.3	-	96
104		11.3	9.8	8.6	9.4	8.2	7.6	7.8	6.9	6.5	6.2	5.8	5.5	104
112		10.5	9.2	8.3	8.8	7.7	7.0	7.0	6.4	6.1	5.7	5.3	5.1	112
120		9.8	8.7	7.9	8.0	7.2	6.7	6.5	6.0	5.7	5.2	4.9	4.7	120
128		9.3	8.3	7.6	7.5	6.8	6.3	6.1	5.6	5.3	4.8	4.5	4.3	128
136		8.7	7.8	7.3	7.0	6.3	6.0	5.6	5.2	4.9	4.3	4.1	4.0	136
144		8.4	7.5	7.1	6.6	6.0	5.7	5.1	4.9	4.6	4.0	3.8	3.8	144
152		7.9	7.0	6.8	6.1	5.7	5.5	4.8	4.4	4.4	3.5	3.5	3.5	152
160		7.4	6.7	6.5	5.8	5.4	5.2	4.3	4.1	4.1	3.2	3.2	3.2	160
168		7.1	6.5	6.3	5.4	5.2	4.9	4.1	3.8	3.8	3.0	3.0	3.0	168
176		6.7	6.2	6.0	5.1	4.9	4.7	3.8	3.6	3.6	2.7	2.7	2.7	176
184		6.4	5.9	5.8	4.8	4.6	4.5	3.5	3.4	3.3	2.4	-	2.4	184
192		6.1	5.7	5.5	4.6	4.4	4.4	3.2	3.2	3.1	-	-	-	192
200		5.8	5.6	5.3	4.3	4.1	4.1	3.0	3.0	2.9	-	-	-	200
208		5.6	5.4	-	4.0	3.9	-	2.8	2.8	2.8	-	-	-	208
216		5.3	5.3	-	3.8	3.8	-	2.7	2.7	2.7	-	-	-	216
224		5.0	5.1	-	3.6	3.6	-	2.4	2.4	-	-	-	-	224
232		4.7	4.1	-	3.5	3.5	-	-	-	-	-	-	-	232
240		4.3	3.7	-	3.4	3.4	-	-	-	-	-	-	-	240
248		3.4	-	-	3.2	2.8	-	-	-	-	-	-	-	248

 242.5 ft														
 ft		111.5 ft			131.2 ft			150.9 ft			170.6 ft			 ft
		0°	20°	40°	0°	20°	40°	0°	20°*	40°*	0°*	20°*	40°*	
1,000 lbs														
80		9.3	-	-	-	-	-	-	-	-	6.1	-	-	80
88		9.3	-	-	7.5	-	-	-	-	-	5.6	-	-	88
96		9.3	-	-	7.4	-	-	5.6	-	-	5.4	-	-	96
104		9.1	-	-	7.1	-	-	5.3	-	-	5.1	-	-	104
112		8.8	8.1	-	6.8	6.4	-	5.1	5.9	-	4.6	4.4	-	112
120		8.6	7.9	-	6.6	6.1	-	4.8	5.4	5.2	4.3	4.1	-	120
128		8.5	7.6	6.6	6.3	5.8	-	4.6	5.2	5.0	4.1	3.9	3.6	128
136		8.2	7.3	6.5	6.2	5.6	5.4	4.5	4.9	4.7	3.8	3.6	3.5	136
144		7.7	7.1	6.4	6.0	5.3	5.1	4.2	4.6	4.4	3.5	3.3	3.3	144
152		6.6	6.8	6.1	5.6	5.3	5.0	4.0	4.4	4.2	3.3	3.1	3.1	152
160		5.1	6.5	6.0	4.4	5.0	4.8	3.7	4.1	4.0	3.0	2.9	2.8	160
168		3.7	5.9	5.9	-	4.7	4.6	-	3.9	3.8	2.7	2.7	2.6	168
176		2.4	5.0	5.8	-	4.4	4.4	-	3.8	3.6	2.5	2.5	2.4	176
184		-	3.8	5.3	-	3.4	4.3	-	3.4	3.4	-	-	-	184
192		-	-	4.6	-	-	4.0	-	3.2	3.2	-	-	-	192
200		-	-	3.4	-	-	3.0	-	2.9	3.0	-	-	-	200
208		-	-	-	-	-	-	-	2.6	2.7	-	-	-	208
216		-	-	-	-	-	-	-	2.2	2.4	-	-	-	216

 *210.0 ft

Operation



Operation

206,800 lbs		28.5 ft x 27.8 ft						360°			ASME B30.5		
47.6 ft													
ft	0°	80.1 ft		99.7 ft			119.4 ft			139.1 ft			ft
		20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs													
16	46.9	-	-	-	-	-	-	-	-	-	-	-	16
18	44.2	-	-	-	-	-	-	-	-	-	-	-	18
20	41.5	-	-	36.3	-	-	-	-	-	-	-	-	20
24	37.2	-	-	32.7	-	-	29.0	-	-	-	-	-	24
28	33.5	-	-	29.6	-	-	26.2	-	-	23.0	-	-	28
32	30.5	26.7	-	26.8	-	-	23.8	-	-	21.1	-	-	32
36	28.2	24.7	-	24.5	22.4	-	21.9	-	-	19.4	-	-	36
40	25.9	22.9	21.0	22.5	20.7	-	20.0	18.7	-	17.9	-	-	40
48	22.1	20.1	18.7	19.4	17.9	17.1	17.1	16.2	15.6	15.2	14.7	-	48
56	19.2	17.8	16.8	16.8	15.7	15.0	14.9	14.2	13.7	13.1	12.7	12.5	56
64	17.0	16.0	15.3	14.7	14.0	13.5	12.9	12.5	12.2	11.5	11.1	11.1	64
72	15.2	14.4	13.9	13.0	12.4	12.2	11.3	11.1	10.8	10.0	9.9	9.7	72
80	13.9	13.1	12.8	11.7	11.3	11.1	10.0	9.8	9.8	8.8	8.7	8.6	80
88	12.6	12.1	11.9	10.5	10.3	10.1	9.0	8.9	8.8	7.7	7.8	7.7	88
96	11.6	11.1	-	9.7	9.4	9.3	8.2	8.0	8.0	6.9	6.9	7.0	96
104	10.7	10.4	-	8.7	8.7	8.7	7.4	7.3	7.3	6.2	6.2	6.3	104
112	9.9	-	-	8.1	7.9	-	6.8	6.8	6.6	5.5	5.7	5.7	112
120	-	-	-	7.4	7.4	-	6.0	6.0	-	5.0	5.2	5.2	120
128	-	-	-	6.9	-	-	5.6	5.6	-	4.6	4.6	4.6	128
136	-	-	-	6.5	-	-	5.2	5.2	-	4.1	4.1	-	136
144	-	-	-	-	-	-	4.9	4.9	-	3.8	3.8	-	144
152	-	-	-	-	-	-	4.6	-	-	3.5	3.5	-	152
160	-	-	-	-	-	-	-	-	-	3.1	3.2	-	160
176	-	-	-	-	-	-	-	-	-	2.7	-	-	176

145.0 ft													
ft	0°	80.1 ft		99.7 ft			119.4 ft			139.1 ft			ft
		20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs													
40	30.9	-	-	25.6	-	-	-	-	-	-	-	-	40
48	28.0	-	-	23.2	-	-	19.2	-	-	-	-	-	48
56	25.6	21.3	-	21.0	18.3	-	17.6	-	-	14.4	-	-	56
64	23.4	19.7	17.6	19.1	16.8	-	16.0	14.4	-	13.2	-	-	64
72	21.4	18.3	16.6	17.5	15.5	14.1	14.6	13.3	12.4	12.1	11.3	-	72
80	20.0	17.2	15.7	16.1	14.4	13.3	13.3	12.2	11.3	11.1	10.4	9.8	80
88	18.5	16.2	14.7	15.0	13.4	12.5	12.3	11.2	10.6	10.1	9.4	9.1	88
96	17.2	15.2	14.1	13.8	12.6	11.7	11.3	10.4	9.9	9.3	8.8	8.4	96
104	16.0	14.4	13.3	12.9	11.8	11.1	10.5	9.8	9.3	8.7	8.0	7.8	104
112	14.9	13.6	12.8	11.9	11.0	10.6	9.7	9.0	8.6	7.9	7.5	7.2	112
120	14.1	12.9	12.2	11.1	10.4	10.0	8.9	8.5	8.3	7.3	6.9	6.7	120
128	13.3	12.3	11.7	10.5	9.7	9.5	8.4	7.9	7.7	6.6	6.4	6.3	128
136	12.7	11.8	11.3	9.8	9.2	8.9	7.8	7.4	7.2	6.1	5.9	5.9	136
144	11.9	11.3	10.8	9.3	8.8	8.6	7.3	6.9	6.8	5.7	5.5	5.5	144
152	11.4	10.7	10.5	8.7	8.3	8.1	6.8	6.6	6.5	5.3	5.0	5.0	152
160	10.9	10.3	10.3	8.3	8.0	7.9	6.4	6.2	6.1	4.9	4.8	4.8	160
168	10.4	9.9	8.7	8.0	7.6	7.6	6.0	5.8	5.8	4.5	4.5	4.5	168
176	10.0	9.5	8.0	7.6	7.3	7.3	5.8	5.6	5.6	4.2	4.2	4.2	176
184	9.7	9.4	-	7.2	7.0	6.6	5.5	5.3	5.3	4.0	4.0	4.0	184
192	9.4	9.0	-	6.8	6.8	-	5.2	5.0	4.8	3.7	3.7	3.7	192
200	9.2	8.9	-	6.5	6.5	-	4.8	4.7	4.7	3.4	3.4	3.4	200
208	7.8	-	-	6.3	6.3	-	4.6	4.6	-	3.2	3.2	-	208
216	7.1	-	-	6.2	6.2	-	4.4	4.4	-	3.1	3.1	-	216
224	-	-	-	6.0	4.3	-	4.3	4.2	-	2.8	2.8	-	224
232	-	-	-	3.9	-	-	4.1	3.4	-	2.6	2.6	-	232
240	-	-	-	3.6	-	-	4.0	3.2	-	2.5	2.5	-	240
248	-	-	-	-	-	-	3.8	-	-	2.4	2.3	-	248
264	-	-	-	-	-	-	-	-	-	2.3	-	-	264

Operation

F

206,800 lbs		28.5 ft x 27.8 ft		360°		ASME B30.5								
242.5 ft														
ft	ft	80.1 ft			99.7 ft			119.4 ft			139.1 ft			ft
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs														
80		15.2	-	-	12.1	-	-	-	-	-	-	-	-	80
88		15.2	-	-	11.8	-	-	9.2	-	-	-	-	-	88
96		14.9	13.8	-	11.4	10.7	-	8.8	-	-	6.5	-	-	96
104		14.4	13.3	11.9	11.1	10.4	-	8.4	8.0	-	6.2	-	-	104
112		13.9	12.8	11.7	10.8	10.1	9.7	8.1	7.7	7.5	5.9	5.7	5.7	112
120		13.4	12.4	11.2	10.3	9.6	9.4	7.9	7.4	7.2	5.7	5.4	5.4	120
128		13.0	11.9	10.9	10.0	9.4	9.0	7.6	7.2	6.9	5.4	5.2	5.2	128
136		12.5	11.5	10.6	9.6	8.9	8.7	7.2	6.9	6.7	5.1	4.9	4.9	136
144		12.1	11.3	10.4	9.3	8.6	8.4	6.8	6.6	6.4	4.9	4.9	4.6	144
152		11.6	10.8	10.1	8.8	8.3	8.1	6.6	6.4	6.1	4.8	4.6	4.6	152
160		11.1	10.5	9.8	8.5	8.0	7.9	6.3	6.1	6.0	4.5	4.3	4.3	160
168		10.5	10.2	9.6	8.2	7.6	7.6	6.0	5.8	5.8	4.3	4.1	4.1	168
176		10.0	9.8	9.3	7.8	7.3	7.3	5.8	5.6	5.6	4.0	4.0	4.0	176
184		9.5	9.5	9.1	7.5	7.2	7.0	5.6	5.3	5.3	3.9	3.7	3.7	184
192		8.9	9.1	9.0	7.2	7.0	6.8	5.5	5.0	5.0	3.7	3.5	3.5	192
200		8.2	8.4	8.5	6.9	6.7	6.7	5.2	4.9	4.9	3.6	3.4	3.4	200
208		7.5	7.8	7.9	6.5	6.4	6.4	4.9	4.7	4.7	3.4	3.2	3.2	208
216		6.7	7.1	7.1	6.0	6.0	6.0	4.6	4.4	4.4	3.1	3.1	3.1	216
224		5.9	6.3	6.3	5.5	5.5	5.6	4.3	4.2	4.3	3.0	3.0	3.0	224
232		5.1	5.5	5.5	4.9	5.0	5.2	3.9	3.9	4.1	2.8	2.8	2.8	232
240		4.6	4.9	4.9	4.4	4.5	4.8	3.6	3.6	3.8	2.5	2.5	2.7	240
248		4.1	4.3	-	3.8	4.1	4.2	3.3	3.4	3.6	-	-	2.6	248
256		3.5	3.7	-	3.3	3.5	3.5	2.9	3.1	3.3	-	-	-	256
264		2.8	3.1	-	2.8	3.0	3.0	2.5	2.8	2.9	-	-	-	264

258.5 ft															
ft	ft	80.1 ft													ft
		0°	20°	40°	1,000 lbs										
80		12.1	-	-											80
88		12.1	-	-											88
96		12.1	-	-											96
104		12.1	12.1	-											104
112		12.1	12.1	10.1											112
120		12.1	11.6	9.9											120
128		12.0	11.4	9.8											128
136		11.7	11.1	9.5											136
144		11.3	10.6	9.3											144
152		11.0	10.3	9.2											152
160		10.5	10.1	9.0											160
168		10.0	9.8	8.8											168
176		9.4	9.5	8.6											176
184		8.6	8.9	8.4											184
192		7.8	8.2	8.0											192
200		7.1	7.4	7.5											200
208		6.4	6.7	6.9											208
216		5.8	6.0	6.2											216
224		5.1	5.5	5.7											224
232		4.5	4.9	5.1											232
240		3.9	4.2	4.4											240
248		3.4	3.6	3.8											248
256		-	3.1	3.3											256
264		-	2.5	2.6											264

Operation



109,800 lbs		28.5 ft x 27.8 ft			360°			ASME B30.5						
47.6 ft														
ft	ft	80.1 ft			99.7 ft			119.4 ft			139.1 ft			ft
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs														
16		46.9	-	-	-	-	-	-	-	-	-	-	-	16
18		44.2	-	-	-	-	-	-	-	-	-	-	-	18
20		41.5	-	-	36.3	-	-	-	-	-	-	-	-	20
24		37.2	-	-	32.7	-	-	29.0	-	-	-	-	-	24
28		33.5	-	-	29.6	-	-	26.2	-	-	23.0	-	-	28
32		30.5	26.7	-	26.8	-	-	23.8	-	-	21.1	-	-	32
36		28.2	24.7	-	24.5	22.4	-	21.9	-	-	19.4	-	-	36
40		25.9	22.9	21.0	22.5	20.7	-	20.0	18.7	-	17.9	-	-	40
48		22.1	20.1	18.7	19.4	17.9	17.1	17.1	16.2	15.6	15.2	14.7	-	48
56		19.2	17.8	16.8	16.8	15.7	15.0	14.9	14.2	13.7	13.1	12.7	12.5	56
64		17.0	16.0	15.3	14.7	14.0	13.5	12.9	12.5	12.2	11.5	11.1	11.1	64
72		15.2	14.4	13.9	13.0	12.4	12.2	11.3	11.1	10.8	10.0	9.9	9.7	72
80		13.9	13.1	12.8	11.7	11.3	11.1	10.0	9.8	9.8	8.8	8.7	8.6	80
88		12.6	12.1	11.9	10.5	10.3	10.1	9.0	8.9	8.8	7.7	7.8	7.7	88
96		11.6	11.1	-	9.7	9.4	9.3	8.2	8.0	8.0	6.9	6.9	7.0	96
104		10.7	10.4	-	8.7	8.7	8.7	7.4	7.3	7.3	6.2	6.2	6.3	104
112		9.9	-	-	8.1	7.9	-	6.8	6.8	6.6	5.5	5.7	5.7	112
120		-	-	-	7.4	7.4	-	6.0	6.0	-	5.0	5.2	5.2	120
128		-	-	-	6.9	-	-	5.6	5.6	-	4.6	4.6	4.6	128
136		-	-	-	6.5	-	-	5.2	5.2	-	4.1	4.1	-	136
144		-	-	-	-	-	-	4.9	4.9	-	3.8	3.8	-	144
152		-	-	-	-	-	-	4.6	-	-	3.5	3.5	-	152
160		-	-	-	-	-	-	-	-	-	3.1	3.2	-	160
168		-	-	-	-	-	-	-	-	-	3.0	-	-	168
176		-	-	-	-	-	-	-	-	-	2.7	-	-	176

145.0 ft														
ft	ft	80.1 ft			99.7 ft			119.4 ft			139.1 ft			ft
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs														
40		30.9	-	-	25.6	-	-	-	-	-	-	-	-	40
48		28.0	-	-	23.2	-	-	19.2	-	-	-	-	-	48
56		25.6	21.3	-	21.0	18.3	-	17.6	-	-	14.4	-	-	56
64		23.4	19.7	17.6	19.1	16.8	-	16.0	14.4	-	13.2	-	-	64
72		21.4	18.3	16.6	17.5	15.5	14.1	14.6	13.3	12.4	12.1	11.3	-	72
80		20.0	17.2	15.7	16.1	14.4	13.3	13.3	12.2	11.3	11.1	10.4	9.8	80
88		18.5	16.2	14.7	15.0	13.4	12.5	12.3	11.2	10.6	10.1	9.4	9.1	88
96		17.2	15.2	14.1	13.8	12.6	11.7	11.3	10.4	9.9	9.3	8.8	8.4	96
104		16.0	14.4	13.3	12.9	11.8	11.1	10.5	9.8	9.3	8.7	8.0	7.8	104
112		14.9	13.6	12.8	11.9	11.0	10.6	9.7	9.0	8.6	7.9	7.5	7.2	112
120		14.1	12.9	12.2	11.1	10.4	10.0	8.9	8.5	8.3	7.3	6.9	6.7	120
128		13.3	12.3	11.7	10.5	9.7	9.5	8.4	7.9	7.7	6.6	6.4	6.3	128
136		12.7	11.8	11.3	9.8	9.2	8.9	7.8	7.4	7.2	6.1	5.9	5.9	136
144		11.9	11.3	10.8	9.3	8.8	8.6	7.3	6.9	6.8	5.7	5.5	5.5	144
152		11.4	10.7	10.5	8.7	8.3	8.1	6.8	6.6	6.5	5.3	5.0	5.0	152
160		10.9	10.3	10.3	8.3	8.0	7.9	6.4	6.2	6.1	4.9	4.8	4.8	160
168		10.3	9.9	8.7	8.0	7.6	7.6	6.0	5.8	5.8	4.5	4.5	4.5	168
176		9.8	9.5	8.0	7.6	7.3	7.3	5.8	5.6	5.6	4.2	4.2	4.2	176
184		8.8	8.8	-	7.0	6.8	6.6	5.4	5.3	5.3	4.0	4.0	4.0	184
192		8.2	8.2	-	6.8	6.6	-	5.0	5.0	4.8	3.7	3.7	3.7	192
200		7.5	7.6	-	6.5	6.3	-	4.7	4.7	4.7	3.4	3.4	3.4	200
208		6.9	-	-	6.2	6.1	-	4.5	4.5	-	3.2	3.2	-	208
216		6.2	-	-	5.8	6.0	-	4.2	4.2	-	2.9	2.9	-	216
224		-	-	-	5.2	4.3	-	4.1	4.1	-	2.7	2.7	-	224
232		-	-	-	3.9	-	-	3.9	3.4	-	2.6	2.6	-	232
240		-	-	-	3.6	-	-	3.8	3.2	-	2.5	2.5	-	240
248		-	-	-	-	-	-	3.0	-	-	2.3	2.3	-	248

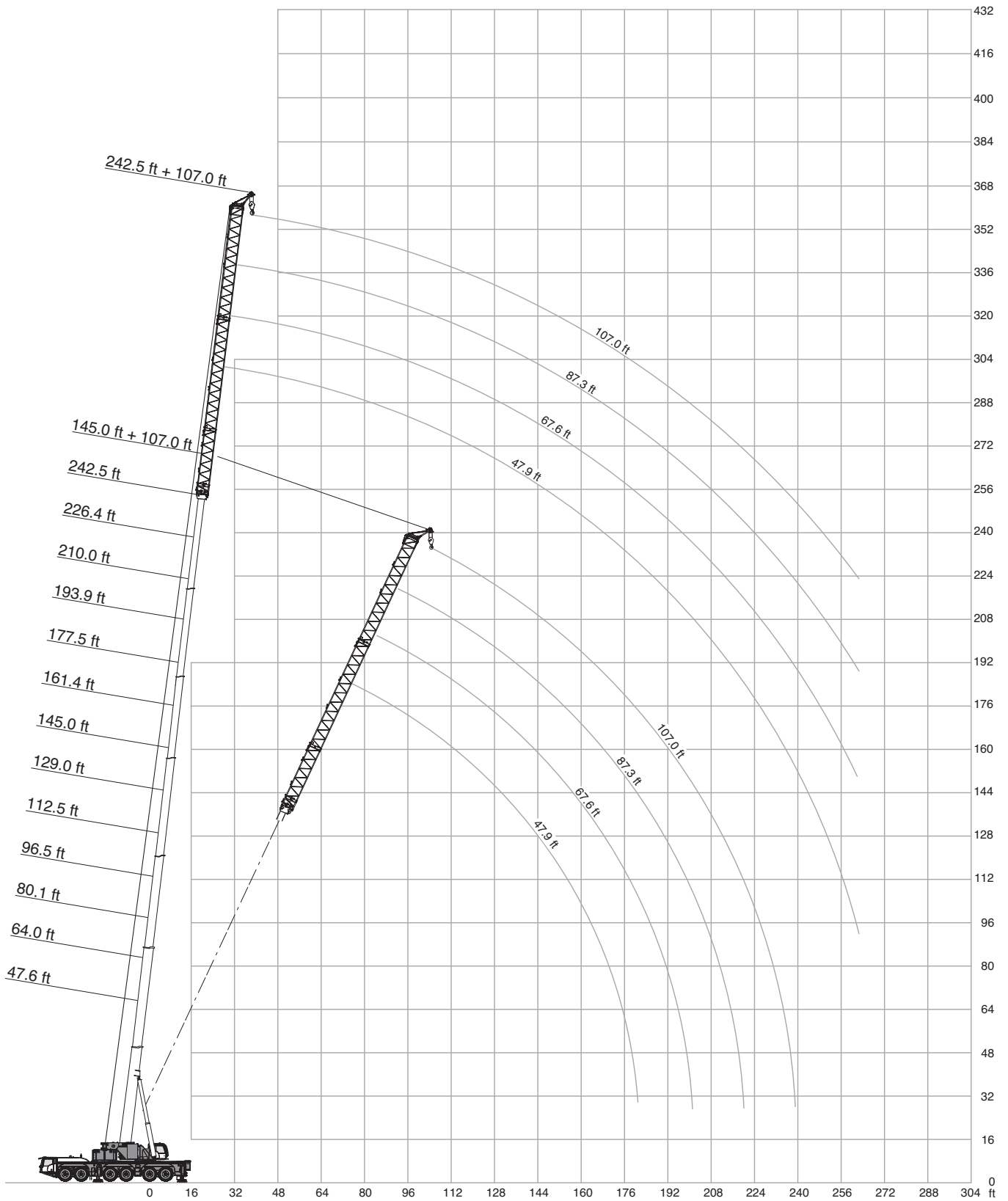
Operation

F

109,800 lbs		28.5 ft x 27.8 ft						360°			ASME B30.5			
242.5 ft														
ft	80.1 ft	80.1 ft			99.7 ft			119.4 ft			139.1 ft			ft
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lbs														
80	15.2	-	-	12.1	-	-	-	-	-	-	-	-	-	80
88	15.2	-	-	11.8	-	-	9.2	-	-	-	-	-	-	88
96	14.9	13.8	-	11.4	10.7	-	8.8	-	-	6.5	-	-	-	96
104	14.4	13.3	11.9	11.1	10.4	-	8.4	8.0	-	6.2	-	-	-	104
112	13.9	12.8	11.7	10.8	10.1	9.7	8.1	7.7	7.5	5.9	5.7	5.7	-	112
120	13.4	12.4	11.2	10.3	9.6	9.4	7.9	7.4	7.2	5.7	5.4	5.4	-	120
128	12.7	11.9	10.9	10.0	9.4	9.0	7.6	7.2	6.9	5.4	5.2	5.2	-	128
136	11.8	11.5	10.6	9.6	8.9	8.7	7.2	6.9	6.7	5.1	4.9	4.9	-	136
144	10.0	11.0	10.4	9.1	8.6	8.4	6.8	6.6	6.4	4.9	4.9	4.6	-	144
152	8.2	9.9	9.9	7.7	8.2	8.1	6.2	6.4	6.1	4.8	4.6	4.6	-	152
160	6.6	8.1	9.3	6.2	6.5	7.7	4.6	6.0	6.0	4.1	4.3	4.3	-	160
168	5.3	6.6	7.9	4.8	5.1	6.5	-	5.0	5.6	-	3.8	4.1	-	168
176	3.9	5.3	6.4	3.5	3.7	5.1	-	3.5	4.7	-	3.0	4.0	-	176
184	-	4.0	5.0	-	-	3.7	-	-	3.6	-	-	-	-	184






258.5 ft																	
ft	80.1 ft	80.1 ft															ft
		0°	20°	40°													
1,000 lbs																	
80	12.1	-	-	-	-	-	-	-	-	-	-	-	-	80			
88	12.1	-	-	-	-	-	-	-	-	-	-	-	-	88			
96	12.1	-	-	-	-	-	-	-	-	-	-	-	-	96			
104	12.1	12.1	-	-	-	-	-	-	-	-	-	-	-	104			
112	12.1	12.1	10.1	-	-	-	-	-	-	-	-	-	-	112			
120	12.1	11.6	9.9	-	-	-	-	-	-	-	-	-	-	120			
128	11.7	11.4	9.8	-	-	-	-	-	-	-	-	-	-	128			
136	10.0	11.1	9.5	-	-	-	-	-	-	-	-	-	-	136			
144	7.8	9.8	9.3	-	-	-	-	-	-	-	-	-	-	144			
152	6.2	7.9	9.1	-	-	-	-	-	-	-	-	-	-	152			
160	4.6	6.3	7.6	-	-	-	-	-	-	-	-	-	-	160			
168	-	4.8	6.1	-	-	-	-	-	-	-	-	-	-	168			
176	-	3.5	4.6	-	-	-	-	-	-	-	-	-	-	176			
184	-	-	3.3	-	-	-	-	-	-	-	-	-	-	184			




Operation



Operation







SF






206,800 lbs		 28.5 ft x 27.8 ft				360°		ASME B30.5	
 47.6 ft					 145.0 ft				
 47.9 ft	 67.6 ft	87.3 ft	107.0 ft						
0°					0°				
ft	1,000 lbs				ft	1,000 lbs			
14	60.6	-	-	-	36	44.9	-	-	-
16	56.9	-	-	-	40	42.7	33.7	27.8	-
18	53.8	46.4	-	-	48	39.0	30.5	24.9	21.0
20	50.7	43.5	38.5	-	56	35.7	27.8	22.6	19.0
24	45.8	39.0	34.4	-	64	33.0	25.6	20.7	17.3
28	41.6	35.2	31.0	27.6	72	30.3	23.6	19.0	15.7
32	38.0	32.1	28.1	25.0	80	27.6	22.0	17.6	14.4
36	34.7	29.6	25.7	22.9	88	25.4	20.4	16.4	13.3
40	31.6	27.2	23.6	20.9	96	23.5	18.9	15.2	12.4
48	26.7	23.4	20.4	18.0	104	21.8	17.8	14.0	11.6
56	22.8	20.5	17.7	15.8	112	20.4	16.7	13.2	10.8
64	19.8	18.3	15.6	13.7	120	19.1	15.9	12.4	10.0
72	17.5	16.6	13.9	11.9	128	18.1	15.1	11.7	9.3
80	15.4	15.0	12.6	10.8	136	17.2	14.3	11.0	8.7
88	-	13.7	11.4	9.6	144	16.1	13.7	10.4	8.2
96	-	12.7	10.5	8.8	152	15.4	13.2	9.9	7.7
104	-	12.0	9.6	8.0	160	14.7	12.6	9.5	7.3
112	-	-	8.8	7.2	168	14.1	12.1	9.1	6.9
120	-	-	8.3	6.7	176	13.7	11.7	8.7	6.5
128	-	-	-	6.2	184	8.4	11.5	8.3	6.2
136	-	-	-	5.8	192	-	10.8	7.9	5.9
144	-	-	-	5.5	200	-	9.7	7.8	5.6
					208	-	-	7.6	5.4
					216	-	-	7.5	5.3
					224	-	-	4.7	5.2
					232	-	-	-	5.1
					240	-	-	-	5.1

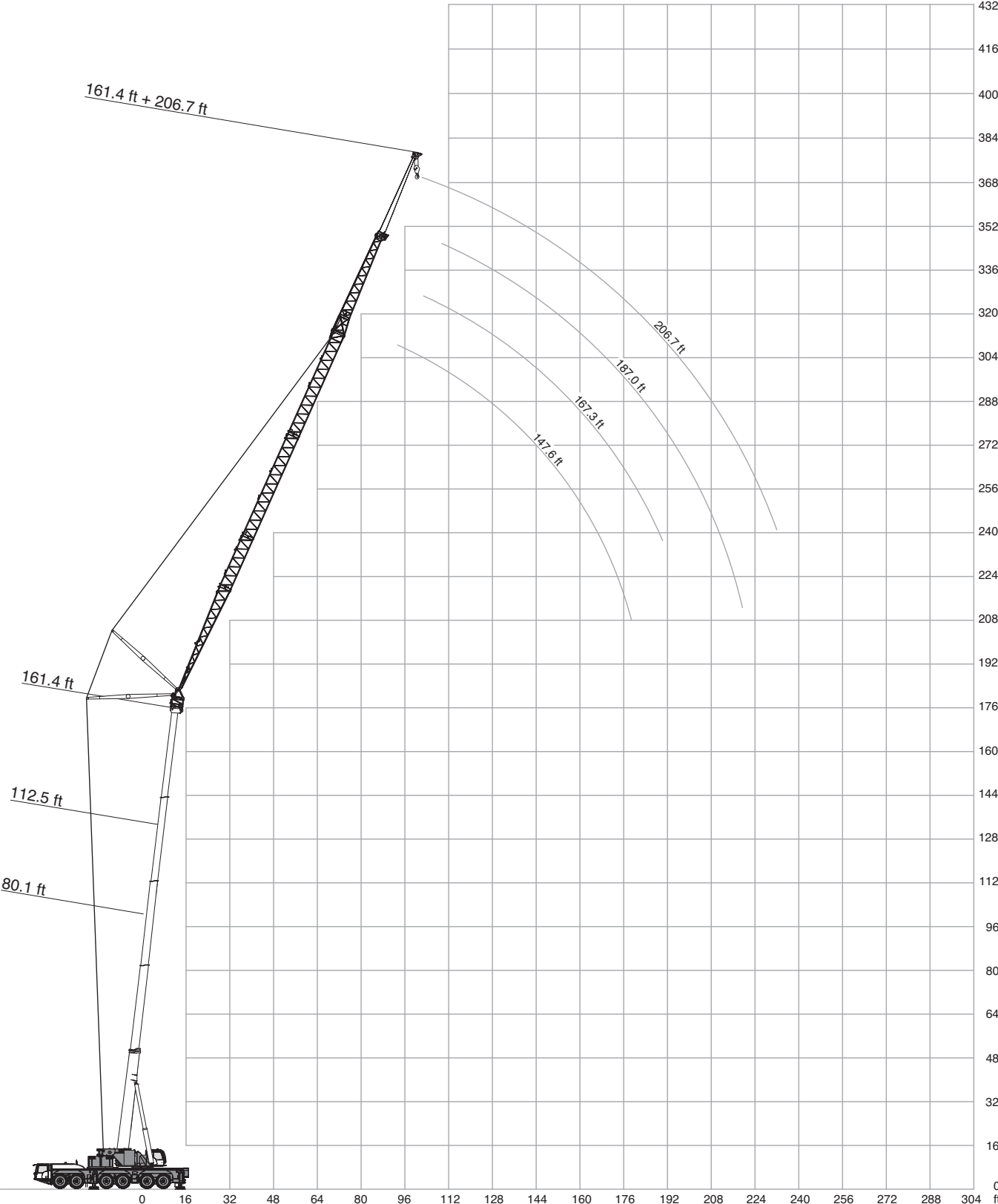
 242.5 ft				
 47.9 ft	 67.6 ft	87.3 ft	107.0 ft	
0°				
ft	1,000 lbs			
80	22.5	18.0	14.2	-
88	22.5	17.7	13.7	10.6
96	22.1	17.0	13.3	10.2
104	21.3	16.4	12.9	9.8
112	20.5	15.8	12.3	9.5
120	19.7	15.3	11.8	9.2
128	18.7	14.8	11.5	8.8
136	17.7	14.2	10.9	8.4
144	16.4	13.9	10.6	8.2
152	15.0	13.1	10.1	7.7
160	13.7	12.4	9.8	7.4
168	12.5	11.7	9.3	7.1
176	11.4	10.9	9.1	6.7
184	10.3	10.1	8.8	6.4
192	9.3	9.3	8.5	6.1
200	8.5	8.5	8.1	6.0
208	7.7	7.7	7.5	5.7
216	6.9	6.9	6.7	5.3
224	6.2	6.1	6.0	4.9
232	5.5	5.4	5.3	4.5
240	4.9	4.8	4.6	4.1
248	4.1	4.2	4.1	3.7
256	3.5	3.5	3.5	3.3
264	3.1	2.7	3.0	2.8

Operation

SF

109,800 lbs		28.5 ft x 27.8 ft				360°		ASME B30.5		
 47.6 ft					 145.0 ft					
 47.9 ft		 67.6 ft		 87.3 ft		 107.0 ft				
		0°								
ft		1,000 lbs				ft		1,000 lbs		
14	60.6	-	-	-	-	36	44.9	-	-	-
16	56.9	-	-	-	-	40	42.7	33.7	27.8	-
18	53.8	46.4	-	-	-	48	39.0	30.5	24.9	21.0
20	50.7	43.5	38.5	-	-	56	35.7	27.8	22.6	19.0
24	45.8	39.0	34.4	-	-	64	33.0	25.6	20.7	17.3
28	41.6	35.2	31.0	27.6	-	72	30.3	23.6	19.0	15.7
32	38.0	32.1	28.1	25.0	-	80	27.6	22.0	17.6	14.4
36	34.7	29.6	25.7	22.9	-	88	25.4	20.4	16.4	13.3
40	31.6	27.2	23.6	20.9	-	96	23.5	18.9	15.2	12.4
48	26.7	23.4	20.4	18.0	-	104	21.8	17.8	14.0	11.6
56	22.8	20.5	17.7	15.8	-	112	20.4	16.7	13.2	10.8
64	19.8	18.3	15.6	13.7	-	120	19.1	15.9	12.4	10.0
72	17.5	16.6	13.9	11.9	-	128	17.7	15.1	11.7	9.3
80	15.4	15.0	12.6	10.8	-	136	16.6	14.3	11.0	8.7
88	-	13.7	11.4	9.6	-	144	15.7	13.7	10.4	8.2
96	-	12.7	10.5	8.8	-	152	13.9	12.9	9.9	7.7
104	-	12.0	9.6	8.0	-	160	12.6	12.3	9.4	7.3
112	-	-	8.8	7.2	-	168	11.7	11.2	8.8	6.9
120	-	-	8.3	6.7	-	176	10.3	9.8	8.4	6.5
128	-	-	-	6.2	-	184	8.4	9.1	8.1	6.2
136	-	-	-	5.8	-	192	-	8.4	7.7	5.9
144	-	-	-	5.5	-	200	-	7.7	7.4	5.6
						208	-	-	6.8	5.2
						216	-	-	6.2	5.1
						224	-	-	4.7	4.8
						232	-	-	-	4.6
						240	-	-	-	4.3

 242.5 ft							
 47.9 ft		 67.6 ft		 87.3 ft		 107.0 ft	
		0°					
ft		1,000 lbs					
80	22.5	18.0	14.2	-	-		
88	22.5	17.7	13.7	10.6	-		
96	22.1	17.0	13.3	10.2	-		
104	21.3	16.4	12.9	9.8	-		
112	19.4	15.8	12.3	9.5	-		
120	17.7	15.1	11.8	9.2	-		
128	15.0	14.2	11.5	8.8	-		
136	12.6	12.2	10.7	8.4	-		
144	10.5	10.0	10.0	8.2	-		
152	8.3	8.3	8.2	6.4	-		
160	6.5	6.6	6.5	4.8	-		
168	5.0	5.3	5.1	-	-		
176	3.5	3.9	3.7	-	-		



360°													ASME B30.5
80.1 ft													
ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
56	14.6	-	-	13.7	-	-	-	-	-	-	-	-	56
64	14.0	-	-	13.1	-	-	12.0	-	-	-	-	-	64
72	13.2	-	-	12.6	-	-	11.5	-	-	10.1	-	-	72
80	12.7	-	-	12.0	-	-	11.2	-	-	9.9	-	-	80
88	12.2	-	-	11.6	-	-	10.7	-	-	9.6	-	-	88
96	11.6	12.3	-	11.2	-	-	10.4	-	-	9.3	-	-	96
104	11.1	11.8	-	10.8	11.3	-	10.2	-	-	9.1	-	-	104
112	10.6	11.2	-	10.6	10.8	-	9.9	10.1	-	8.8	-	-	112
120	10.0	10.9	11.3	10.1	10.5	-	9.6	9.9	-	8.8	8.8	-	120
128	9.5	10.4	10.9	9.8	10.2	-	9.4	9.6	-	8.5	8.7	-	128
136	8.9	9.8	10.5	9.5	10.0	10.2	9.1	9.3	-	8.2	8.4	-	136
144	8.4	9.3	9.9	9.3	9.7	9.9	9.0	9.1	9.3	8.2	8.4	-	144
152	-	8.8	9.4	8.8	9.4	9.7	8.8	9.0	9.0	7.9	8.2	-	152
160	-	8.4	9.1	8.5	9.0	9.4	8.6	8.7	9.0	7.9	7.9	8.1	160
168	-	-	8.6	-	8.7	9.1	8.5	8.5	8.8	7.9	7.9	7.9	168
176	-	-	-	-	8.4	8.9	8.4	8.4	8.6	7.7	7.7	7.7	176
184	-	-	-	-	-	8.6	-	8.4	8.4	7.7	7.7	7.7	184
192	-	-	-	-	-	-	-	8.2	8.3	7.7	7.7	7.7	192
200	-	-	-	-	-	-	-	8.2	8.2	7.7	7.6	7.6	200
208	-	-	-	-	-	-	-	-	8.2	-	7.5	7.5	208
216	-	-	-	-	-	-	-	-	-	-	7.5	7.5	216
224	-	-	-	-	-	-	-	-	-	-	-	7.5	224

112.5 ft													
ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
56	14.1	-	-	-	-	-	-	-	-	-	-	-	56
64	13.6	-	-	12.5	-	-	-	-	-	-	-	-	64
72	13.0	-	-	12.1	-	-	10.8	-	-	9.5	-	-	72
80	12.5	-	-	11.6	-	-	10.5	-	-	9.2	-	-	80
88	11.9	-	-	11.3	-	-	10.3	-	-	9.0	-	-	88
96	11.4	-	-	10.9	-	-	10.0	-	-	8.9	-	-	96
104	11.1	11.8	-	10.6	-	-	9.7	-	-	8.6	-	-	104
112	10.6	11.2	-	10.1	10.6	-	9.5	-	-	8.4	-	-	112
120	10.0	10.9	-	9.9	10.3	-	9.3	-	-	8.3	-	-	120
128	9.6	10.5	-	9.6	10.0	-	8.9	9.3	-	8.2	8.2	-	128
136	9.2	10.2	-	9.3	9.8	-	8.8	9.1	-	7.9	8.0	-	136
144	8.6	9.7	10.4	9.1	9.5	-	8.6	8.8	-	7.7	7.9	-	144
152	-	9.4	9.9	8.8	9.2	9.4	8.4	8.6	-	7.7	7.7	-	152
160	-	9.0	9.6	8.5	9.0	9.3	8.4	8.4	-	7.5	7.6	-	160
168	-	8.6	9.3	-	8.8	9.1	8.3	8.3	8.5	7.5	7.5	-	168
176	-	-	8.9	-	8.6	8.9	8.2	8.2	8.2	7.3	7.3	7.5	176
184	-	-	8.6	-	8.4	8.7	8.0	8.0	8.2	7.3	7.3	7.4	184
192	-	-	-	-	-	8.6	-	7.9	8.1	7.3	7.2	7.2	192
200	-	-	-	-	-	8.4	-	7.9	8.0	7.3	7.1	7.1	200
208	-	-	-	-	-	-	-	7.9	7.9	-	7.1	7.1	208
216	-	-	-	-	-	-	-	-	7.9	-	7.1	7.1	216
224	-	-	-	-	-	-	-	-	7.9	-	7.1	7.1	224
232	-	-	-	-	-	-	-	-	-	-	-	7.1	232
240	-	-	-	-	-	-	-	-	-	-	-	7.1	240

85,800 lbs
109,800 lbs
158,300 lbs

360°													ASME B30.5
145.0 ft													
ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
64	12.7	-	-	-	-	-	-	-	-	-	-	-	64
72	12.4	-	-	11.2	-	-	-	-	-	-	-	-	72
80	11.8	-	-	10.8	-	-	9.7	-	-	8.3	-	-	80
88	11.4	-	-	10.5	-	-	9.4	-	-	8.1	-	-	88
96	11.0	-	-	10.2	-	-	9.1	-	-	7.9	-	-	96
104	10.6	-	-	10.0	-	-	9.0	-	-	7.7	-	-	104
112	10.3	-	-	9.7	-	-	8.8	-	-	7.7	-	-	112
120	9.9	10.5	-	9.4	-	-	8.5	-	-	7.5	-	-	120
128	9.6	10.2	-	9.3	9.5	-	8.4	-	-	7.4	-	-	128
136	9.3	10.0	-	8.9	9.3	-	8.2	-	-	7.3	-	-	136
144	8.8	9.7	-	8.8	9.1	-	8.2	8.2	-	7.1	-	-	144
152	8.5	9.4	-	8.6	8.8	-	7.9	8.1	-	7.0	7.1	-	152
160	-	9.2	9.6	8.4	8.7	-	7.9	7.9	-	6.8	7.0	-	160
168	-	8.9	9.3	8.2	8.5	-	7.7	7.9	-	6.8	6.8	-	168
176	-	8.6	9.1	8.2	8.4	8.6	7.7	7.7	-	6.8	6.8	-	176
184	-	-	8.8	-	8.3	8.4	7.7	7.5	7.7	6.7	6.7	-	184
192	-	-	8.6	-	8.1	8.2	-	7.5	7.5	6.6	6.6	-	192
200	-	-	8.4	-	8.0	8.2	-	7.5	7.3	6.6	6.6	6.5	200
208	-	-	-	-	-	8.1	-	7.5	7.3	6.6	6.5	6.4	208
216	-	-	-	-	-	7.9	-	7.5	7.3	6.6	6.4	6.4	216
224	-	-	-	-	-	-	-	-	7.3	-	6.4	6.4	224
232	-	-	-	-	-	-	-	-	7.3	-	6.4	6.4	232
240	-	-	-	-	-	-	-	-	7.3	-	6.4	6.4	240
248	-	-	-	-	-	-	-	-	-	-	-	6.4	248

193.9 ft													
ft	147.6 ft			167.3 ft			187.0 ft			206.7 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°*	73°*	65°*	
1,000 lbs													
80	9.0	-	-	-	-	-	-	-	-	-	-	-	80
88	8.8	-	-	7.3	-	-	-	-	-	7.3	-	-	88
96	8.7	-	-	7.3	-	-	5.5	-	-	7.1	-	-	96
104	8.4	-	-	7.3	-	-	5.5	-	-	7.1	-	-	104
112	8.2	-	-	7.3	-	-	5.5	-	-	6.8	-	-	112
120	8.1	-	-	7.1	-	-	5.4	-	-	6.8	-	-	120
128	7.9	-	-	6.9	-	-	5.3	-	-	6.7	-	-	128
136	7.8	-	-	6.8	-	-	5.3	-	-	6.6	-	-	136
144	7.7	-	-	6.8	-	-	5.3	-	-	6.6	-	-	144
152	7.5	7.7	-	6.6	-	-	5.3	-	-	6.4	-	-	152
160	7.5	7.6	-	6.6	-	-	5.3	-	-	6.4	6.2	-	160
168	-	7.4	-	6.6	6.5	-	5.3	-	-	6.3	6.2	-	168
176	-	7.3	-	6.6	6.4	-	5.3	5.3	-	6.2	6.2	-	176
184	-	7.3	-	-	6.4	-	5.3	5.3	-	6.2	6.1	-	184
192	-	-	-	-	6.4	-	5.3	5.3	-	6.2	6.0	-	192
200	-	-	-	-	6.2	-	5.3	5.1	-	6.2	6.0	-	200
208	-	-	6.0	-	6.2	-	-	5.1	-	6.2	6.0	-	208
216	-	-	5.7	-	6.2	-	-	5.1	-	6.2	6.0	5.5	216
224	-	-	-	-	-	4.4	-	4.9	-	-	6.0	5.5	224
232	-	-	-	-	-	4.1	-	-	3.3	-	6.0	5.5	232
240	-	-	-	-	-	4.0	-	-	3.1	-	6.0	5.5	240
248	-	-	-	-	-	-	-	-	2.9	-	-	5.5	248
256	-	-	-	-	-	-	-	-	-	-	-	5.5	256
264	-	-	-	-	-	-	-	-	-	-	-	5.5	264

85,800 lbs 109,800 lbs 158,300 lbs 206,800 lbs

*161.4 ft

360°													ASME B30.5
80.1 ft													
ft	116.1 ft			135.8 ft			155.5 ft			175.2 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
48	36.2	-	-	30.1	-	-	-	-	-	-	-	-	48
56	33.8	-	-	29.3	-	-	23.1	-	-	18.1	-	-	56
64	31.0	-	-	28.6	-	-	22.6	-	-	17.5	-	-	64
72	28.1	-	-	27.6	-	-	22.3	-	-	17.2	-	-	72
80	25.6	30.0	-	26.2	-	-	21.7	-	-	16.9	-	-	80
88	23.4	27.4	-	24.8	26.3	-	21.3	-	-	16.6	-	-	88
96	21.7	25.1	-	23.3	25.4	-	20.9	20.7	-	16.2	-	-	96
104	20.0	23.0	25.8	22.0	24.2	-	20.5	20.1	-	15.9	15.7	-	104
112	18.7	21.3	23.7	20.7	22.8	-	20.3	19.8	-	15.6	15.4	-	112
120	-	19.7	21.9	19.4	21.5	23.3	19.9	19.4	-	15.4	14.9	-	120
128	-	18.5	20.3	18.5	20.3	21.9	19.1	19.3	18.8	15.1	14.7	-	128
136	-	-	19.0	-	19.2	20.7	18.4	18.9	18.4	14.9	14.5	14.3	136
144	-	-	17.9	-	18.3	19.5	17.7	18.5	18.1	14.6	14.3	14.1	144
152	-	-	-	-	-	18.6	17.1	18.2	18.1	14.5	14.1	13.9	152
160	-	-	-	-	-	17.7	-	17.6	18.0	14.2	14.1	13.7	160
168	-	-	-	-	-	-	-	-	17.7	13.9	14.1	13.6	168
176	-	-	-	-	-	-	-	-	17.3	-	14.1	13.4	176
184	-	-	-	-	-	-	-	-	-	-	14.1	13.4	184
192	-	-	-	-	-	-	-	-	-	-	-	13.4	192
200	-	-	-	-	-	-	-	-	-	-	-	13.4	200

112.5 ft													
ft	116.1 ft			135.8 ft			155.5 ft			175.2 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
48	33.2	-	-	-	-	-	-	-	-	-	-	-	48
56	32.2	-	-	25.9	-	-	20.3	-	-	-	-	-	56
64	30.7	-	-	25.5	-	-	20.0	-	-	15.4	-	-	64
72	28.7	-	-	25.1	-	-	19.6	-	-	15.2	-	-	72
80	26.3	-	-	24.6	-	-	19.4	-	-	14.7	-	-	80
88	24.3	-	-	24.3	-	-	19.1	-	-	14.6	-	-	88
96	22.4	27.2	-	23.3	-	-	18.8	-	-	14.4	-	-	96
104	20.7	25.2	-	22.0	23.0	-	18.6	-	-	14.1	-	-	104
112	19.3	23.3	-	20.9	22.5	-	18.3	17.8	-	13.9	-	-	112
120	18.2	21.4	-	19.8	21.9	-	18.0	17.6	-	13.7	13.6	-	120
128	-	20.1	23.0	18.7	21.0	-	17.9	17.3	-	13.6	13.3	-	128
136	-	18.8	21.3	17.8	20.1	21.1	17.7	17.0	-	13.4	13.2	-	136
144	-	17.7	19.9	17.0	19.2	20.5	17.4	17.0	-	13.2	13.0	-	144
152	-	-	18.6	-	18.2	20.0	17.1	17.0	16.3	13.2	12.8	-	152
160	-	-	-	-	17.5	19.1	16.6	17.0	16.1	12.9	12.8	12.5	160
168	-	-	-	-	-	18.1	-	16.9	16.1	12.7	12.8	12.3	168
176	-	-	-	-	-	17.3	-	16.8	16.1	12.6	12.8	12.1	176
184	-	-	-	-	-	-	-	-	16.1	-	12.8	12.1	184
192	-	-	-	-	-	-	-	-	-	-	12.8	12.1	192
200	-	-	-	-	-	-	-	-	-	-	12.8	12.1	200
208	-	-	-	-	-	-	-	-	-	-	-	12.1	208
216	-	-	-	-	-	-	-	-	-	-	-	12.1	216

- 58,800 lbs
- 85,800 lbs
- 109,800 lbs
- 158,300 lbs

360°													ASME B30.5
145.0 ft													
ft	116.1 ft			135.8 ft			155.5 ft			175.2 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
56	26.9	-	-	-	-	-	-	-	-	-	-	-	56
64	26.5	-	-	21.1	-	-	-	-	-	-	-	-	64
72	26.2	-	-	20.7	-	-	16.8	-	-	13.2	-	-	72
80	25.2	-	-	20.5	-	-	16.5	-	-	13.0	-	-	80
88	24.2	-	-	20.2	-	-	16.2	-	-	12.7	-	-	88
96	22.8	-	-	20.1	-	-	16.0	-	-	12.4	-	-	96
104	21.3	-	-	19.9	-	-	15.9	-	-	12.2	-	-	104
112	20.0	23.6	-	19.8	-	-	15.6	-	-	12.1	-	-	112
120	18.7	22.9	-	19.4	18.9	-	15.4	-	-	11.8	-	-	120
128	-	21.7	-	18.6	18.6	-	15.3	14.9	-	11.7	-	-	128
136	-	20.4	-	18.0	18.5	-	15.2	14.6	-	11.5	11.3	-	136
144	-	19.2	-	17.2	18.3	-	15.0	14.3	-	11.5	11.2	-	144
152	-	-	21.0	-	18.2	-	15.0	14.3	-	11.2	11.0	-	152
160	-	-	19.7	-	17.8	17.3	14.8	14.2	-	11.2	10.8	-	160
168	-	-	-	-	-	17.2	-	14.1	13.7	11.2	10.8	-	168
176	-	-	-	-	-	17.2	-	14.1	13.5	11.0	10.8	-	176
184	-	-	-	-	-	17.1	-	14.1	13.4	-	10.8	10.2	184
192	-	-	-	-	-	-	-	-	13.4	-	10.8	10.1	192
200	-	-	-	-	-	-	-	-	13.4	-	10.8	10.1	200
208	-	-	-	-	-	-	-	-	-	-	-	10.1	208
216	-	-	-	-	-	-	-	-	-	-	-	10.1	216
224	-	-	-	-	-	-	-	-	-	-	-	10.1	224

193.9 ft													
ft	116.1 ft			135.8 ft			155.5 ft			175.2 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
72	15.0	-	-	-	-	-	-	-	-	-	-	-	72
80	14.8	-	-	11.7	-	-	9.0	-	-	-	-	-	80
88	14.8	-	-	11.6	-	-	8.9	-	-	6.6	-	-	88
96	14.8	-	-	11.5	-	-	8.8	-	-	6.5	-	-	96
104	14.6	-	-	11.5	-	-	8.8	-	-	6.4	-	-	104
112	14.5	-	-	11.5	-	-	8.8	-	-	6.4	-	-	112
120	14.3	-	-	11.5	-	-	8.8	-	-	6.4	-	-	120
128	14.2	-	-	11.4	-	-	8.8	-	-	6.4	-	-	128
136	-	-	-	11.2	-	-	8.8	-	-	6.4	-	-	136
144	-	13.2	-	11.2	-	-	8.8	-	-	6.4	-	-	144
152	-	12.7	-	-	10.8	-	8.8	-	-	6.4	-	-	152
160	-	12.2	-	-	10.5	-	8.6	8.4	-	6.4	-	-	160
168	-	-	-	-	10.2	-	-	8.3	-	6.4	6.2	-	168
176	-	-	-	-	9.8	-	-	8.2	-	6.4	6.0	-	176
184	-	-	8.7	-	-	-	-	7.9	-	6.4	6.0	-	184
192	-	-	-	-	-	-	-	7.7	-	-	5.9	-	192
200	-	-	-	-	-	6.7	-	7.4	-	-	5.8	-	200
208	-	-	-	-	-	-	-	-	-	-	5.7	-	208
216	-	-	-	-	-	-	-	-	-	-	5.5	-	216
224	-	-	-	-	-	-	-	-	-	-	-	3.7	224
232	-	-	-	-	-	-	-	-	-	-	-	3.4	232
240	-	-	-	-	-	-	-	-	-	-	-	3.2	240

58,800 lbs
85,800 lbs
109,800 lbs
158,300 lbs
206,800 lbs

Operation

360°													ASME B30.5
80.1 ft													
ft	84.0 ft			103.7 ft			123.4 ft			143.0 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
40	-	-	-	47.3	-	-	-	-	-	-	-	-	40
48	62.1	-	-	45.9	-	-	35.2	-	-	-	-	-	48
56	60.6	-	-	44.4	-	-	34.1	-	-	26.3	-	-	56
64	59.7	-	-	43.4	-	-	33.2	-	-	25.5	-	-	64
72	58.9	-	-	42.6	-	-	32.4	-	-	24.7	-	-	72
80	55.3	53.0	-	42.0	40.0	-	31.7	-	-	24.2	-	-	80
88	-	52.7	-	41.4	39.0	-	31.2	30.4	-	23.6	-	-	88
96	-	52.7	47.6	40.2	38.3	-	30.8	29.6	-	23.1	22.9	-	96
104	-	-	47.4	36.5	38.1	36.1	30.3	28.9	-	22.6	22.1	-	104
112	-	-	-	-	38.1	35.5	29.7	28.4	27.7	22.0	21.8	-	112
120	-	-	-	-	-	35.5	28.5	28.4	27.2	21.5	21.4	-	120
128	-	-	-	-	-	35.5	-	28.4	26.9	20.7	21.1	20.6	128
136	-	-	-	-	-	-	-	28.4	26.7	20.3	20.8	20.2	136
144	-	-	-	-	-	-	-	-	26.7	20.1	20.3	20.1	144
152	-	-	-	-	-	-	-	-	-	-	20.0	19.8	152
160	-	-	-	-	-	-	-	-	-	-	-	19.8	160

- 42,300 lbs
- 58,800 lbs
- 85,800 lbs
- 109,800 lbs
- 158,300 lbs
- 206,800 lbs

360°													ASME B30.5
112.5 ft													
ft	84.0 ft			103.7 ft			123.4 ft			143.0 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
48	53.0	-	-	40.1	-	-	-	-	-	-	-	-	48
56	51.8	-	-	39.0	-	-	30.4	-	-	23.4	-	-	56
64	51.0	-	-	38.1	-	-	29.7	-	-	22.8	-	-	64
72	50.7	-	-	37.5	-	-	28.9	-	-	22.3	-	-	72
80	49.9	-	-	37.0	-	-	28.4	-	-	22.0	-	-	80
88	48.4	44.7	-	36.6	34.8	-	28.0	-	-	21.4	-	-	88
96	-	44.2	-	36.0	34.1	-	27.6	26.8	-	21.0	-	-	96
104	-	44.1	-	35.0	33.6	-	27.2	26.1	-	20.8	20.3	-	104
112	-	-	40.8	-	33.3	-	26.7	25.8	-	20.3	19.8	-	112
120	-	-	40.8	-	33.3	31.4	26.3	25.4	-	20.0	19.6	-	120
128	-	-	-	-	33.3	31.1	25.6	25.4	24.5	19.6	19.3	-	128
136	-	-	-	-	-	31.1	-	25.4	23.9	19.2	19.0	-	136
144	-	-	-	-	-	31.1	-	25.4	23.8	19.0	18.8	18.3	144
152	-	-	-	-	-	-	-	-	23.6	-	18.7	18.0	152
160	-	-	-	-	-	-	-	-	23.6	-	18.7	17.9	160
168	-	-	-	-	-	-	-	-	-	-	-	17.9	168
176	-	-	-	-	-	-	-	-	-	-	-	17.9	176

145.0 ft													
ft	84.0 ft			103.7 ft			123.4 ft			143.0 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
56	40.3	-	-	31.7	-	-	-	-	-	-	-	-	56
64	39.6	-	-	31.2	-	-	24.4	-	-	18.8	-	-	64
72	39.3	-	-	30.7	-	-	24.0	-	-	18.5	-	-	72
80	38.9	-	-	30.4	-	-	23.8	-	-	18.3	-	-	80
88	37.4	-	-	30.1	-	-	23.5	-	-	18.0	-	-	88
96	-	-	-	29.8	-	-	23.2	-	-	17.7	-	-	96
104	-	35.6	-	29.6	-	-	23.0	-	-	17.6	-	-	104
112	-	35.2	-	-	27.5	-	22.7	21.8	-	17.4	-	-	112
120	-	-	-	-	27.3	-	22.5	21.5	-	17.2	16.9	-	120
128	-	-	-	-	27.1	-	22.4	21.3	-	17.1	16.6	-	128
136	-	-	-	-	27.1	-	-	21.0	-	16.8	16.4	-	136
144	-	-	-	-	-	24.3	-	20.9	-	16.8	16.1	-	144
152	-	-	-	-	-	23.2	-	20.9	20.0	-	15.9	-	152
160	-	-	-	-	-	-	-	-	19.8	-	15.9	-	160
168	-	-	-	-	-	-	-	-	19.4	-	15.9	15.1	168
176	-	-	-	-	-	-	-	-	19.0	-	15.9	15.0	176
184	-	-	-	-	-	-	-	-	-	-	-	15.0	184

- 42,300 lbs
- 58,800 lbs
- 85,800 lbs
- 109,800 lbs
- 158,300 lbs
- 206,800 lbs

360°													ASME B30.5
193.9 ft													
84.0 ft	84.0 ft			103.7 ft			123.4 ft			143.0 ft			ft
	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
1,000 lbs													
72	21.4	-	-	17.0	-	-	-	-	-	-	-	-	72
80	21.1	-	-	16.9	-	-	13.2	-	-	10.1	-	-	80
88	20.9	-	-	16.8	-	-	13.2	-	-	10.1	-	-	88
96	20.6	-	-	16.6	-	-	13.2	-	-	10.0	-	-	96
104	-	-	-	16.5	-	-	13.0	-	-	9.9	-	-	104
112	-	-	-	16.3	-	-	13.0	-	-	9.9	-	-	112
120	-	-	-	-	-	-	13.0	-	-	9.9	-	-	120
128	-	-	-	-	-	-	12.9	-	-	9.9	-	-	128
136	-	-	-	-	14.7	-	12.8	-	-	9.9	-	-	136
144	-	-	-	-	14.1	-	-	-	-	9.9	-	-	144
152	-	-	-	-	-	-	-	11.8	-	9.9	-	-	152
160	-	-	-	-	-	-	-	11.4	-	-	9.3	-	160
168	-	-	-	-	-	-	-	-	-	-	9.1	-	168
176	-	-	-	-	-	-	-	-	-	-	8.9	-	176
184	-	-	-	-	-	-	-	-	-	-	8.6	-	184
208	-	-	-	-	-	-	-	-	-	-	-	5.8	208
216	-	-	-	-	-	-	-	-	-	-	-	5.5	216

- 42,300 lbs
- 58,800 lbs
- 85,800 lbs
- 109,800 lbs
- 158,300 lbs
- 206,800 lbs

Operation

MS

206,800 lbs		28.5 ft x 27.8 ft		5.25 ft		360°		ASME B30.5									
		(ft)															
		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5		
ft	1,000 lbs														ft		
10	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	14
16	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	16
18	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	18
20	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	20
24	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	24
28	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	28
32	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	32
36	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	36
40	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	87.7	83.1	-	-	-	-	-	-	40
48	-	88.2	88.2	88.2	88.2	88.2	88.2	88.2	80.8	74.6	65.8	-	-	-	-	-	48
56	-	88.2	88.2	88.2	88.2	88.2	88.2	88.2	71.0	66.1	59.9	54.2	46.8	-	-	-	56
64	-	-	88.2	88.2	88.2	88.2	88.2	85.5	63.0	58.6	53.7	49.9	44.6	39.7	-	-	64
72	-	-	-	77.9	82.8	81.3	79.2	80.2	56.1	52.2	48.0	45.3	41.5	38.2	31.1	-	72
80	-	-	-	-	72.0	70.9	71.8	70.7	50.4	46.8	43.0	40.8	38.0	36.0	30.4	-	80
88	-	-	-	-	57.8	63.1	64.2	62.0	45.8	42.0	38.8	36.9	34.6	33.5	28.8	-	88
96	-	-	-	-	-	58.1	56.9	54.7	43.3	38.1	35.0	33.4	31.5	30.8	27.0	-	96
104	-	-	-	-	-	47.3	50.8	48.6	40.9	34.8	31.9	30.3	28.8	28.3	25.1	-	104
112	-	-	-	-	-	-	45.2	42.9	38.9	32.0	29.2	27.7	26.3	25.9	23.3	-	112
120	-	-	-	-	-	-	36.2	38.2	36.9	29.4	27.4	25.6	24.2	23.6	21.4	-	120
128	-	-	-	-	-	-	19.6	34.2	35.0	27.7	25.8	23.8	22.3	21.6	19.5	-	128
136	-	-	-	-	-	-	-	29.7	32.1	26.2	24.3	22.2	20.5	19.6	17.8	-	136
144	-	-	-	-	-	-	-	15.5	28.8	25.0	23.0	20.8	19.0	17.9	16.2	-	144
152	-	-	-	-	-	-	-	-	23.1	24.0	21.7	19.4	17.7	16.4	14.6	-	152
160	-	-	-	-	-	-	-	-	15.3	23.4	20.6	18.2	16.3	15.1	13.2	-	160
168	-	-	-	-	-	-	-	-	-	12.2	19.7	17.1	15.1	14.0	12.0	-	168
176	-	-	-	-	-	-	-	-	-	11.4	18.9	16.0	14.0	12.7	11.0	-	176
184	-	-	-	-	-	-	-	-	-	-	11.6	15.2	13.1	11.6	9.9	-	184
192	-	-	-	-	-	-	-	-	-	-	-	13.9	12.1	10.6	8.9	-	192
200	-	-	-	-	-	-	-	-	-	-	-	10.8	11.2	9.7	8.1	-	200
208	-	-	-	-	-	-	-	-	-	-	-	7.6	10.1	8.7	7.3	-	208
216	-	-	-	-	-	-	-	-	-	-	-	7.1	8.9	8.0	6.4	-	216
224	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	5.8	-	224
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	-	232
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	240

Operation

MS

109,800 lbs		28.5 ft x 27.8 ft					5.25 ft					360°					ASME B30.5	
		(ft)																
		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5			
ft	1,000 lbs															ft		
10	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	14	
16	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	16	
18	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	18	
20	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	20	
24	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	24	
28	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	28	
32	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	32	
36	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	36	
40	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	87.7	83.1	-	-	-	-	-	-	40	
48	-	87.9	88.2	88.0	87.6	88.2	87.4	80.8	74.6	65.8	-	-	-	-	-	-	48	
56	-	79.3	80.3	79.7	80.3	80.2	77.5	71.0	66.1	59.9	54.2	46.8	-	-	-	-	56	
64	-	-	65.5	67.4	66.5	64.6	61.9	59.9	57.7	53.7	49.9	44.6	39.7	-	-	-	64	
72	-	-	55.6	55.8	54.7	52.7	52.2	51.9	48.9	47.1	45.3	41.5	38.2	31.1	-	-	72	
80	-	-	-	46.9	46.0	44.1	45.5	43.4	41.1	41.0	39.7	38.0	36.0	30.4	-	-	80	
88	-	-	-	40.1	39.1	39.9	39.0	37.2	37.1	36.4	35.6	33.8	33.2	28.8	-	-	88	
96	-	-	-	-	35.1	35.3	33.5	33.1	32.2	32.1	31.5	30.2	28.7	27.0	-	-	96	
104	-	-	-	-	31.8	30.7	29.8	29.6	29.4	28.6	27.5	25.7	25.0	23.6	-	-	104	
112	-	-	-	-	-	26.7	26.8	25.6	25.6	24.9	23.6	21.6	21.6	19.6	-	-	112	
120	-	-	-	-	-	23.5	24.2	23.3	22.4	21.5	20.2	18.3	18.3	16.3	-	-	120	
128	-	-	-	-	-	19.6	21.1	20.9	20.0	18.6	17.2	15.3	15.3	13.4	-	-	128	
136	-	-	-	-	-	-	18.6	18.4	17.5	16.0	14.7	12.7	12.7	10.9	-	-	136	
144	-	-	-	-	-	-	15.5	16.4	15.3	13.8	12.4	10.5	10.5	8.7	-	-	144	
152	-	-	-	-	-	-	-	14.5	13.4	11.9	10.4	8.6	8.6	6.8	-	-	152	
160	-	-	-	-	-	-	-	12.7	11.6	10.1	8.8	6.8	6.8	5.0	-	-	160	
168	-	-	-	-	-	-	-	-	10.1	8.6	7.2	5.3	5.3	-	-	-	168	
176	-	-	-	-	-	-	-	-	8.8	7.3	5.7	3.9	3.9	-	-	-	176	
184	-	-	-	-	-	-	-	-	-	6.0	4.6	-	-	-	-	-	184	

Operation

MS

42,300 lbs		28.5 ft x 27.8 ft										5.25 ft		360°		ASME B30.5	
		(ft)															
		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5		
ft	1,000 lbs														ft		
10	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	12	
14	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	14	
16	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	16	
18	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	18	
20	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	20	
24	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	24	
28	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	28	
32	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	87.2	-	-	-	-	-	-	32	
36	83.5	86.0	87.9	88.2	86.6	84.2	81.5	79.6	-	-	-	-	-	-	-	36	
40	76.5	81.7	85.5	86.2	83.1	78.5	74.5	70.7	68.6	-	-	-	-	-	-	40	
48	-	59.7	62.3	62.5	62.4	61.2	59.0	57.4	55.3	53.5	48.8	-	-	-	-	48	
56	-	44.5	46.9	47.2	48.9	48.2	47.3	47.1	45.6	42.3	39.4	35.7	-	-	-	56	
64	-	-	36.7	38.8	38.6	38.8	38.7	37.9	36.7	33.9	31.5	28.1	27.4	-	-	64	
72	-	-	29.9	31.0	31.7	31.6	31.2	30.4	29.3	27.3	24.8	21.7	20.9	17.3	-	72	
80	-	-	-	25.2	26.1	25.7	25.4	24.3	23.2	21.5	19.3	16.5	15.6	12.3	-	80	
88	-	-	-	20.5	21.5	21.0	20.7	19.6	18.5	16.7	15.0	12.2	11.4	8.3	-	88	
96	-	-	-	-	17.6	17.2	16.8	15.8	14.6	13.0	11.4	8.7	8.0	5.1	-	96	
104	-	-	-	-	14.5	14.0	13.6	12.5	11.4	9.8	8.3	5.8	5.4	-	-	104	
112	-	-	-	-	-	11.5	11.1	10.0	8.9	7.4	5.8	-	-	-	-	112	
120	-	-	-	-	-	9.3	8.8	7.9	6.8	5.2	3.7	-	-	-	-	120	
128	-	-	-	-	-	7.5	7.0	5.9	4.8	3.3	-	-	-	-	-	128	
136	-	-	-	-	-	-	5.4	4.3	3.2	-	-	-	-	-	-	136	
144	-	-	-	-	-	-	4.0	2.9	-	-	-	-	-	-	-	144	

Operation

MS

206,800 lbs		28.5 ft x 27.8 ft										15.1 ft		360°		ASME B30.5	
		(ft)															
		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5		
ft	1,000 lbs														ft		
10	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	14	
16	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	16	
18	84.9	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	18	
20	80.5	87.9	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	20	
24	69.7	83.0	88.1	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	24	
28	60.8	73.5	84.2	87.0	88.2	88.2	87.1	-	-	-	-	-	-	-	-	28	
32	53.6	65.3	75.8	82.2	85.2	86.5	83.4	-	-	-	-	-	-	-	-	32	
36	48.2	59.0	68.4	75.8	79.7	82.0	78.7	77.4	-	-	-	-	-	-	-	36	
40	43.2	53.3	61.6	69.4	74.2	77.0	74.1	73.8	68.9	-	-	-	-	-	-	40	
48	35.7	45.0	52.3	58.8	64.3	67.3	66.1	67.2	64.8	58.2	-	-	-	-	-	48	
56	-	38.6	45.6	51.2	56.0	59.9	59.7	61.2	60.5	55.7	48.6	-	-	-	-	56	
64	-	33.6	40.3	45.4	49.6	53.3	54.2	56.1	55.5	51.7	46.4	41.4	-	-	-	64	
72	-	-	35.6	40.9	44.9	48.0	49.3	51.7	50.2	46.8	42.6	39.3	35.5	-	-	72	
80	-	-	32.2	36.9	40.9	44.0	45.3	47.2	45.4	42.1	38.9	36.8	33.9	27.7	-	80	
88	-	-	-	33.7	37.7	40.6	42.0	43.2	40.8	38.0	35.2	33.6	31.9	26.9	-	88	
96	-	-	-	31.2	34.6	37.6	39.2	39.8	36.6	34.3	31.8	30.8	29.8	25.5	-	96	
104	-	-	-	24.2	32.0	35.1	36.7	36.6	33.4	31.0	29.0	27.9	27.4	24.0	-	104	
112	-	-	-	-	30.1	32.7	34.5	33.6	30.7	28.3	26.3	25.7	25.2	22.2	-	112	
120	-	-	-	-	17.2	30.9	32.6	30.9	28.3	25.9	24.2	23.4	23.1	20.6	-	120	
128	-	-	-	-	-	29.3	31.0	29.2	26.0	24.0	22.5	21.6	21.2	19.0	-	128	
136	-	-	-	-	-	16.9	29.6	27.9	24.0	22.6	20.9	20.0	19.3	17.3	-	136	
144	-	-	-	-	-	-	26.0	26.9	22.3	21.2	19.5	18.4	17.7	15.9	-	144	
152	-	-	-	-	-	-	13.6	25.7	21.3	20.1	18.2	17.0	16.1	14.4	-	152	
160	-	-	-	-	-	-	-	21.6	20.6	19.1	17.1	15.8	14.8	13.0	-	160	
168	-	-	-	-	-	-	-	-	19.4	18.1	16.0	14.7	13.5	11.8	-	168	
176	-	-	-	-	-	-	-	-	17.7	17.3	14.9	13.6	12.3	10.7	-	176	
184	-	-	-	-	-	-	-	-	9.8	16.6	14.1	12.6	11.3	9.7	-	184	
192	-	-	-	-	-	-	-	-	-	10.2	13.3	11.7	10.4	8.6	-	192	
200	-	-	-	-	-	-	-	-	-	9.7	12.6	10.8	9.4	7.8	-	200	
208	-	-	-	-	-	-	-	-	-	-	7.2	10.0	8.6	7.0	-	208	
216	-	-	-	-	-	-	-	-	-	-	6.6	9.3	7.8	6.2	-	216	
224	-	-	-	-	-	-	-	-	-	-	6.0	6.5	6.8	5.5	-	224	
232	-	-	-	-	-	-	-	-	-	-	-	-	6.1	4.9	-	232	
240	-	-	-	-	-	-	-	-	-	-	-	-	5.0	4.2	-	240	
248	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	248	

Operation

MS

109,800 lbs		28.5 ft x 27.8 ft										15.1 ft		360°		ASME B30.5	
		(ft)															
		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5		
ft		1,000 lbs														ft	
10		88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12		88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14		88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	14
16		88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	16
18		84.9	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	18
20		80.5	87.9	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	20
24		69.7	83.0	88.1	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	24
28		60.8	73.5	84.2	87.0	88.2	88.2	87.1	-	-	-	-	-	-	-	-	28
32		53.6	65.3	75.8	82.2	85.2	86.5	83.4	-	-	-	-	-	-	-	-	32
36		48.2	59.0	68.4	75.8	79.7	82.0	78.7	77.4	-	-	-	-	-	-	-	36
40		43.2	53.3	61.6	69.4	74.2	77.0	74.1	73.8	68.9	-	-	-	-	-	-	40
48		35.7	45.0	52.3	58.8	64.3	67.3	66.1	67.2	64.8	58.2	-	-	-	-	-	48
56		-	38.6	45.6	51.2	56.0	59.9	59.7	61.2	60.5	55.7	48.6	-	-	-	-	56
64		-	33.6	40.3	45.4	49.6	53.3	54.2	56.1	55.5	51.7	46.4	41.4	-	-	-	64
72		-	-	35.6	40.9	44.9	48.0	49.3	49.1	48.6	46.2	42.6	39.3	35.5	-	-	72
80		-	-	32.2	36.9	40.7	42.9	43.8	41.3	40.3	40.4	38.4	36.8	33.9	27.7	-	80
88		-	-	-	33.6	36.9	37.9	36.8	36.5	35.3	34.2	33.7	32.6	31.9	26.9	-	88
96		-	-	-	31.1	33.5	33.8	33.0	31.4	31.6	31.3	30.4	29.5	28.2	25.5	-	96
104		-	-	-	24.2	29.4	29.8	28.8	28.2	27.8	27.0	26.8	25.1	24.3	22.5	-	104
112		-	-	-	-	26.8	26.7	25.8	25.4	25.2	24.5	23.0	21.0	21.0	18.8	-	112
120		-	-	-	-	17.2	23.3	22.8	22.1	21.8	21.1	19.6	17.6	17.6	15.6	-	120
128		-	-	-	-	-	20.5	20.8	20.4	19.6	18.1	16.7	14.8	14.8	12.8	-	128
136		-	-	-	-	-	16.9	18.4	18.2	17.1	15.5	14.2	12.2	12.2	10.2	-	136
144		-	-	-	-	-	-	16.4	15.9	14.9	13.3	11.8	10.0	9.8	8.0	-	144
152		-	-	-	-	-	-	13.6	14.1	13.0	11.4	9.9	7.9	7.9	6.0	-	152
160		-	-	-	-	-	-	-	12.3	11.2	9.6	8.1	6.3	6.2	4.3	-	160
168		-	-	-	-	-	-	-	-	9.7	8.1	6.6	4.8	4.6	-	-	168
176		-	-	-	-	-	-	-	-	8.4	6.6	5.3	3.3	3.3	-	-	176
184		-	-	-	-	-	-	-	-	7.0	5.5	4.0	-	-	-	-	184
192		-	-	-	-	-	-	-	-	-	4.4	-	-	-	-	-	192
200		-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	200

42,300 lbs		28.5 ft x 27.8 ft										15.1 ft		360°		ASME B30.5	
		(ft)															
		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5		
ft		1,000 lbs														ft	
10		88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12		88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14		88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	14
16		88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	16
18		84.9	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	18
20		80.5	87.9	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	20
24		69.7	83.0	88.1	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	24
28		60.8	73.5	84.2	87.0	88.2	88.2	87.1	-	-	-	-	-	-	-	-	28
32		53.6	65.3	75.8	82.2	85.2	86.5	83.4	-	-	-	-	-	-	-	-	32
36		48.2	59.0	68.4	75.8	79.5	78.6	77.1	72.4	-	-	-	-	-	-	-	36
40		43.2	53.3	61.6	69.3	73.2	73.1	71.6	67.4	64.6	-	-	-	-	-	-	40
48		35.7	45.0	52.1	57.3	60.0	60.4	57.3	55.4	52.3	49.9	-	-	-	-	-	48
56		-	38.6	44.5	47.4	47.8	47.0	47.0	45.4	44.4	41.1	38.2	-	-	-	-	56
64		-	33.4	37.0	37.8	38.4	37.7	38.2	37.7	36.0	33.0	30.3	27.2	-	-	-	64
72		-	-	30.1	31.4	31.2	31.4	31.2	30.1	28.8	26.6	23.9	20.6	19.8	-	-	72
80		-	-	25.0	25.7	25.9	25.7	25.2	24.1	22.8	20.8	18.5	15.4	14.5	11.0	-	80
88		-	-	-	20.9	21.6	21.0	20.5	19.3	18.0	16.3	14.2	11.2	10.4	7.2	-	88
96		-	-	-	17.2	17.7	17.2	16.7	15.4	14.3	12.5	10.7	7.8	7.1	4.0	-	96
104		-	-	-	14.0	14.5	14.0	13.4	12.3	11.0	9.4	7.6	5.0	4.3	-	-	104
112		-	-	-	-	11.8	11.3	10.9	9.6	8.5	6.9	5.2	-	-	-	-	112
120		-	-	-	-	9.7	9.2	8.6	7.5	6.3	4.6	-	-	-	-	-	120
128		-	-	-	-	-	7.3	6.7	5.6	4.4	-	-	-	-	-	-	128
136		-	-	-	-	-	5.8	5.2	3.9	2.8	-	-	-	-	-	-	136
144		-	-	-	-	-	-	3.8	2.5	-	-	-	-	-	-	-	144

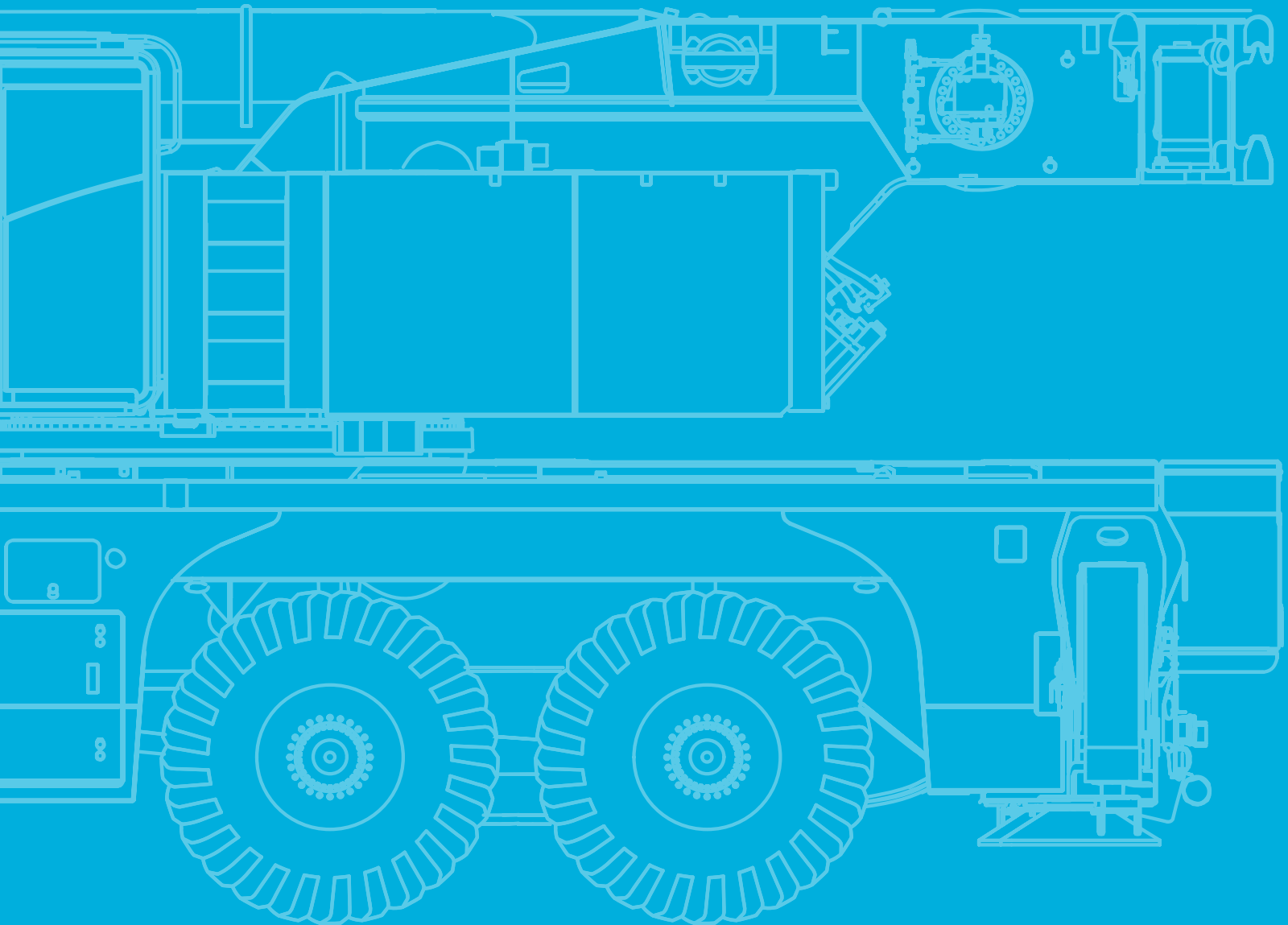
Notes to Lifting Capacity

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 (617HP), 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	132 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 12 x 6 x 10	6 axles, axles 3, 5 and 6 are driven and dispose of selectable transverse lock; Axle 5 with a selectable longitudinal lock; Axles 1-3 and 5-6 are steered; Axle 4 liftable.
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 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: 9.0 ft, 13.2 ft, 18.1 ft, 22.9 ft and 27.8 ft. 4 round polyamide outrigger pads A = 1.25 ft ² with transport position at vertical cylinder.
Outrigger basis monitoring	Individual monitoring of horizontal stroke; Deviation warning in cab.
Outrigger load indicator	The outrigger load is indicated in the operator cab and the outrigger control box.
Electronic immobilizer system	Prevents uncontrolled carrier mobilization; Incl. 5 ignition keys.
Pneumatic tire filling plug	For self-inflating of the wheels.

Equipment superstructure

Telescopic boom HA80	47.6 ft - 262.5 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 5 sheaves integrated in boom head for max. capacity of 236,900 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 109,800 lbs	5 pieces ①-④ (SPECIAL 6 pieces (①-⑥)); Automatic rigging system.
Control system	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits.
Operator aids	IC-1, with integrated load moment indicator acc. EN13000; Colour display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger.
Working range limiter	Displaying and programmability of the work range limits by IC-1.
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 telematic system.
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.
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.
Axles 12 x 8 x 12	All 6 axles steered, axles 2, 3, 5 and 6 are driven and equipped with selectable transverse lock; Axle 5 with a selectable longitudinal lock.
Additional fuel tank	53 gallons; For 185 gallons diesel total carrier (no RME / biodiesel).

Superstructure

Quick connection main boom (HA)	Hydraulic bolt extractors and hydraulic and electric quick couplings for fast main boom (dis-) assembly; Incl. switchable suspension calibration for light travel configurations without main boom; Incl. storage space for luffing cylinder.
Heavy lift attachment 2. hoist (H2)	2 additional sheaves; Dis-/connectable; For total 7 sheaves at boom head; Max. capacity of 330,700 lbs.
Additional counterweight 97,000 lbs	Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. hoist monitoring and quick couplings.
Load supervision camera	4 pieces 2 x ⑤ + 2 x ⑥ (SPECIAL 2 x ⑦ + 2 x ⑧); For total 206,800 lbs, 9 pieces (SPECIAL 10 pieces).
	Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head.

Handling

Remote control	Control of superstructure movements via wireless remote control.
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Extensions

LWIHI 206.7 ft	Luffing jib with 19.7 ft increments incl. bridle; 1-sheave head; Enables configuration LWIHI 147.7 ft - 206.7 ft, WIHI 114.8 ft - 173.9 ft, SWIHI 85.3 ft - 144.4 ft, LF 111.5 ft - 170.6 ft, F 78.7 ft - 137.8 ft, SF 49.2 ft - 108.3 ft, HAV 36.1 ft / 68.9 ft and MS 5.25 ft.
SWIHI 144.4 ft	Strong luffing jib with 19.7 ft increments incl. bridle; 2-sheave head; Enables configuration SWIHI 85.3 ft - 144.4 ft, SF 49.2 ft - 108.3 ft and MS 5.25 ft.
LF 111.5 ft	Light fixed jib; 1 piece 39.4 ft lattice section and double folding swing-away jib, manual offset 20°/40°; 1-sheave head; Enables configuration LF 111.5 ft, F 78.7 ft and HAV 36.1 ft / 68.9 ft; Incl. transport storage for swing-away jib; Not transportable with 26,500 lbs axle load limit.
SF 108.3 ft	Strong fixed jib; 2-sheave head; Enables configuration SF 49.2 ft - 108.3 ft and MS 5.25 ft; Not transportable with 26,500 lbs axle load limit.
HAV 68.9 ft	Double folding swing-away jib; manual offset 20°/40°; 1-sheave head; Incl. transport storage; Not transportable with 26,500 lbs axle load limit; Includes HAV 37.4 ft.
HAV 37.4 ft	Lattice swing-away jib; manual offset 20°/40°; 1-sheave head; Incl. transport storage; Not transportable with 26,500 lbs axle load limit.
Hydraulic offset (0°-40°)	Hydraulic offset instead of manual offset (20°/40°); Available for HAV, LF and F.
MS (Runner)	5.25 ft; Assembly jib with fixed angle, 2-sheaved for max. capacity 88,200 lbs; Incl. transport storage at the left side of main boom; Not transportable within 9.8 ft crane width.

Hook Blocks

Hook block 352,800 lbs, 7-sheaves	Max. capacity 330,700 lbs; 4,200 lbs; Double hook, red with white signal stripes.
Hook block 275,600 lbs, 5-sheaves	Max. capacity 236,900 lbs; 3,100 lbs; Double hook, red with white signal stripes.
Hook block 176,400 lbs, 3-sheaves	Max. capacity 165,800 lbs; 2,700 lbs; Double hook, red with white signal stripes.
Hook block 88,200 lbs, 1-sheave	Max. capacity 71,100 lbs; 2,000 lbs; Double hook, red with white signal stripes.
Hook 26,500 lbs	Max. capacity 23,700 lbs; 1,100 lbs; Single hook, red.

Further additional equipment on request!

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

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