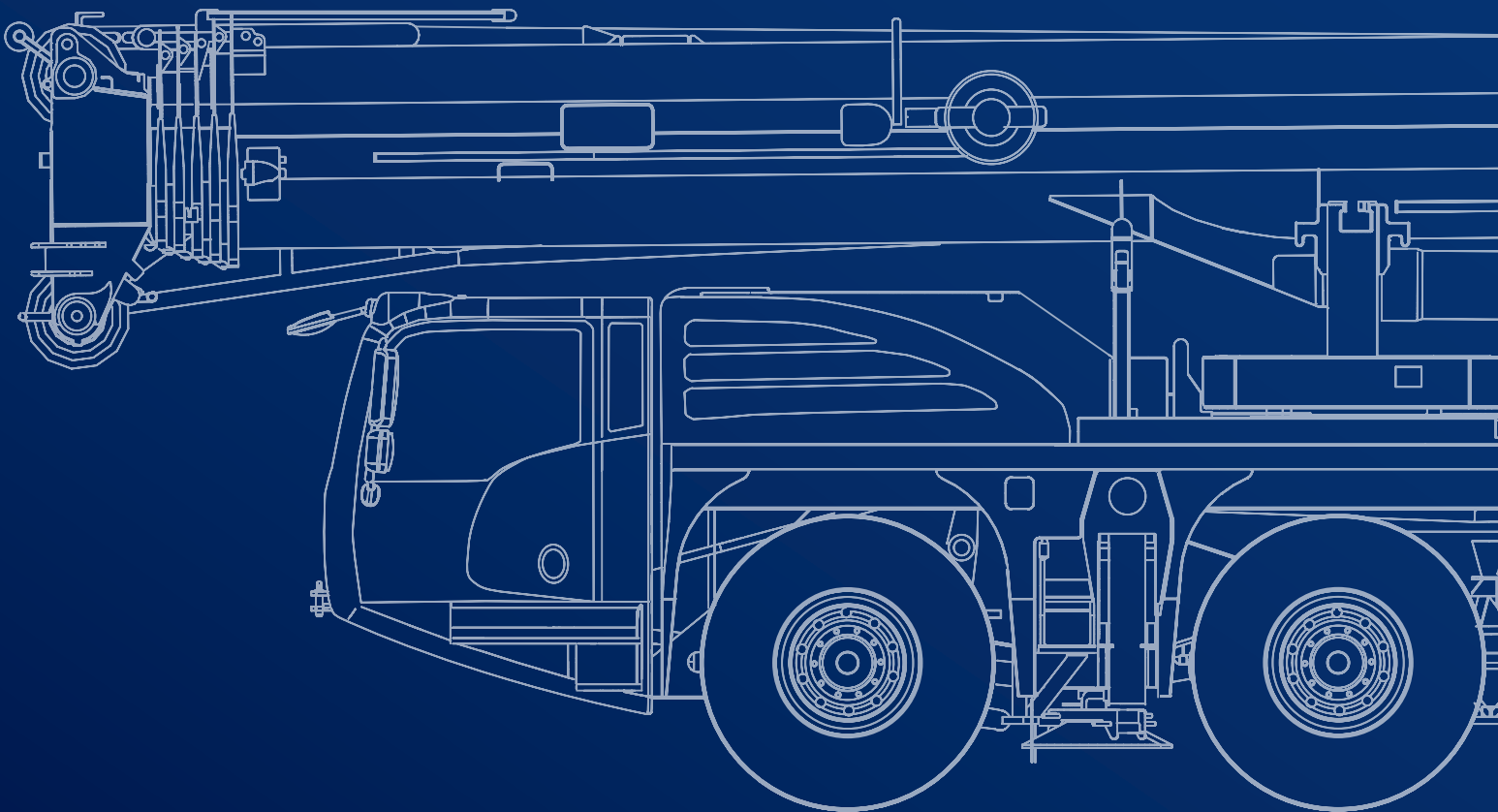


AC 5.130-1

140 US TON MAX. CRANE CAPACITY



August 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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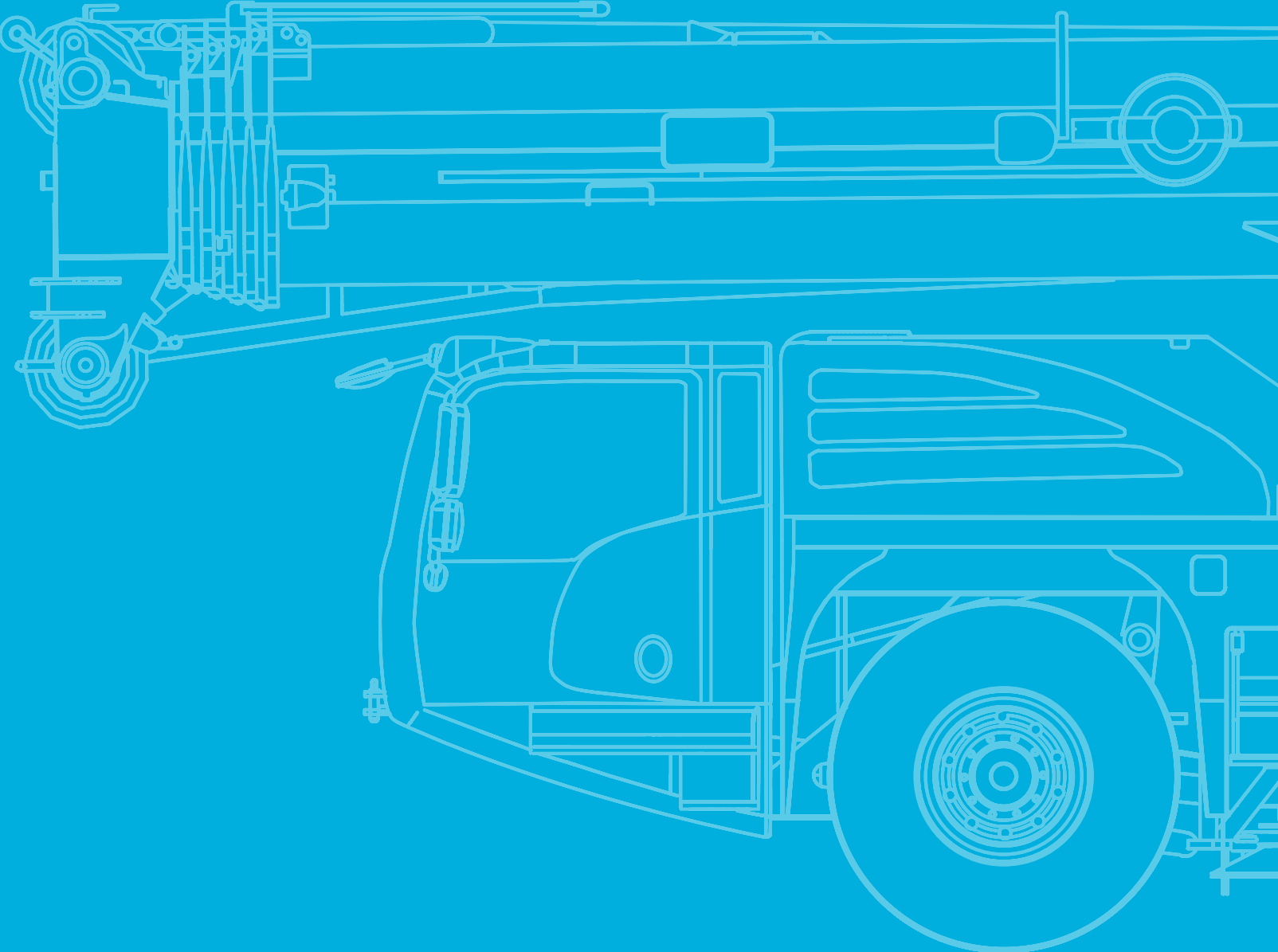
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Key



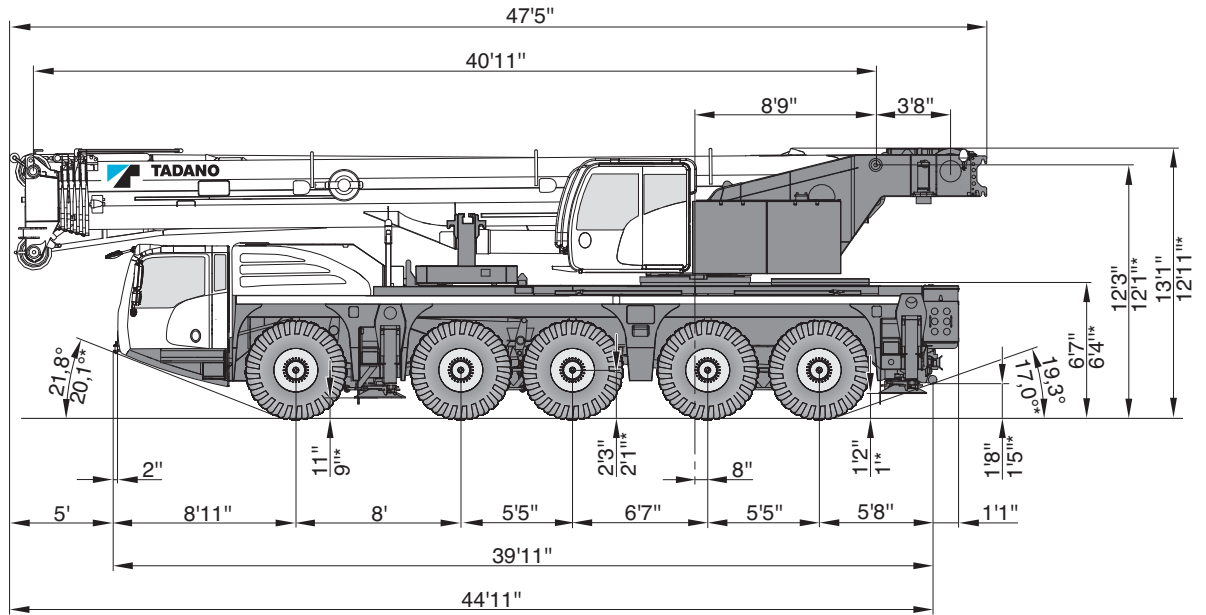
	Counterweight		Dolly
	Lifting capacities on outriggers · 360°		Working speeds
	Radius		Slewing
	Main boom		Max. line pull
	Folding swing-away jib		Rope diameter
	Runner		Rope length
	Max. axle loads		Hook block
	Mechanism		Number of lines
	Tires		Possible load of hook block
	Hook block		Weight of hook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

GENERAL TECHNICAL DATA



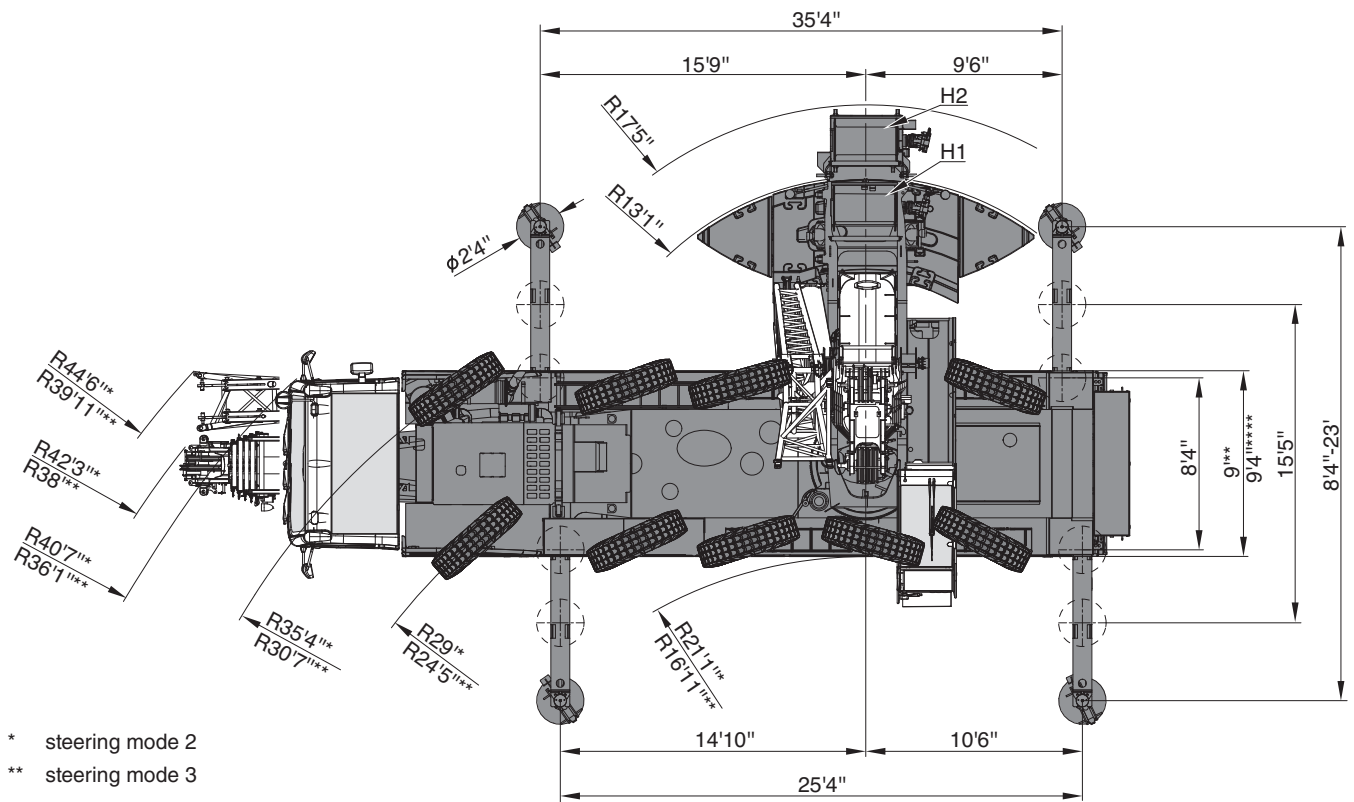
General

Vehicle dimensions



⊙ 445/95 R25 / 525/80 R25

* ⊙ 385/95 R25



* steering mode 2

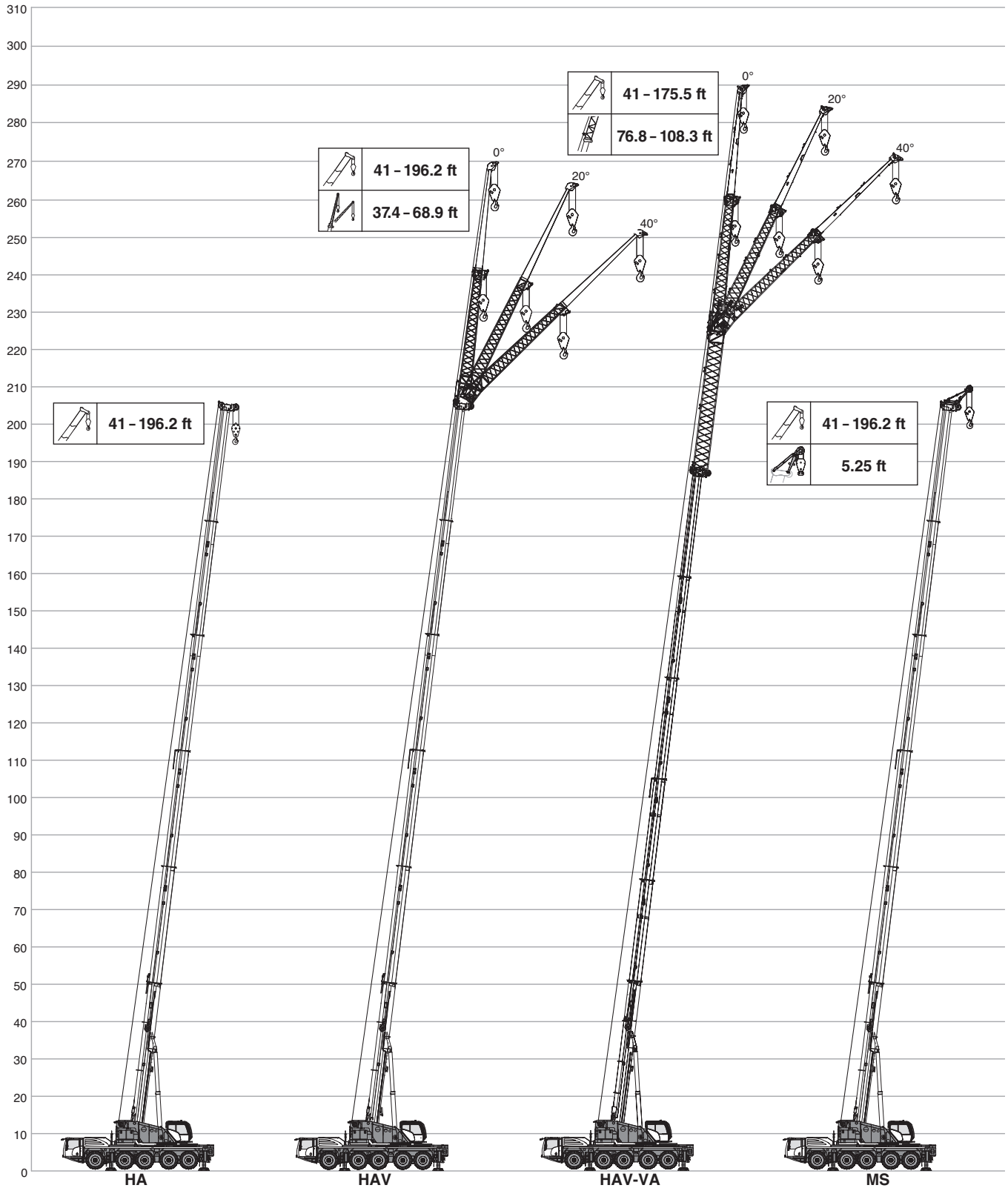
** steering mode 3

*** ⊙ 385/95 R25 / 445/95 R25

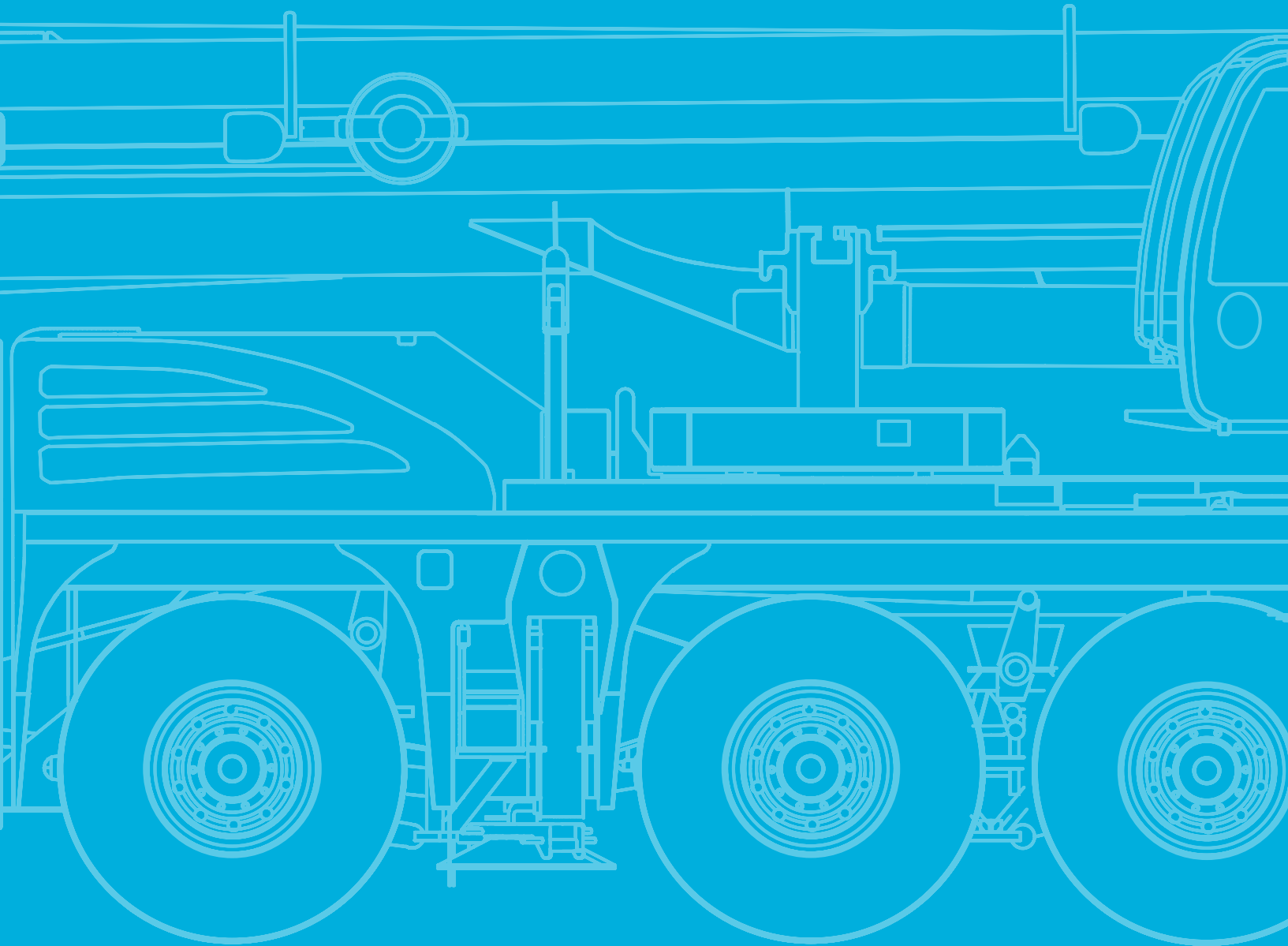
**** ⊙ 525/80 R25

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
< 17,000 lbs	< 79,400 lbs	10 x 6 x 10	385/95R25	–	–	8,200 lbs	–	–	–	
< 22,000 lbs	< 105,800 lbs	10 x 6 x 10	445/95R25	196.9 ft	–	–	–	1,100 lbs	–	
< 26,500 lbs	< 132,300 lbs	10 x 6 x 10	445/95R25	196.9 ft	176,400 lbs	23,600 lbs	–	1,760 lbs	–	
< 26,500 lbs	< 132,300 lbs	10 x 8 x 10	445/95R25	196.9 ft	70,600 lbs	23,600 lbs	–	1,540 lbs	–	
< 26,500 lbs	< 132,300 lbs	10 x 8 x 10	445/95R25	196.9 ft	70,600 lbs	19,000 lbs	68.9 ft	1,760 lbs	–	
< 35,300 lbs	< 172,000 lbs	10 x 8 x 10	445/95R25	196.9 ft	176,400 lbs	57,800 lbs	68.9 ft	1,980 lbs	–	

Speeds and gradeability

	385/95 R 25 14.00 R 25	445/95 R 25 16.00 R 25	525/80 R 25 20.50 R 25
	48 %	43 %	43 %
	62 %	55 %	55 %
	52.8 mph ¹⁾		

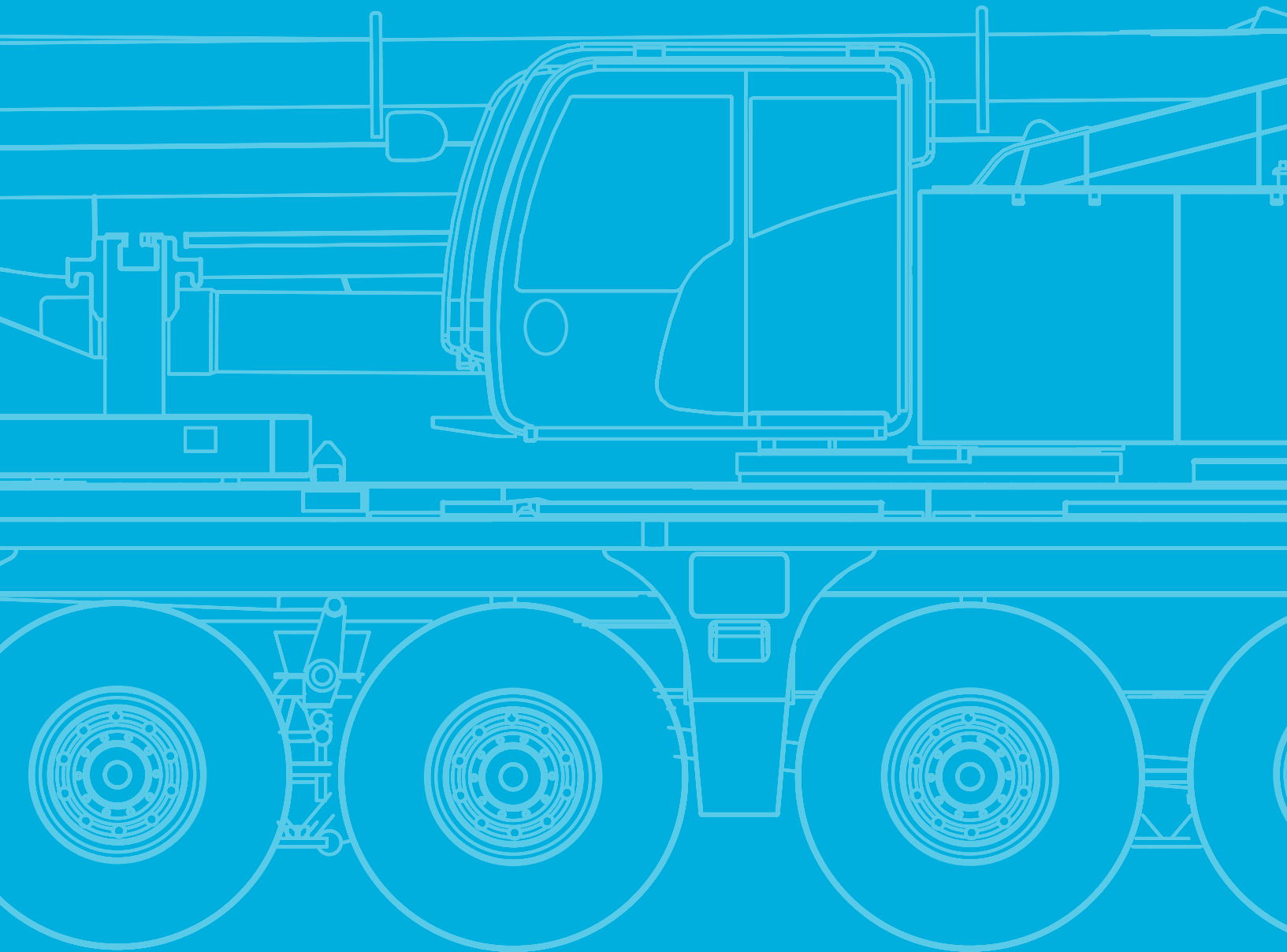
¹⁾ Depending on tire type, size and country specific legislation

Steering

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

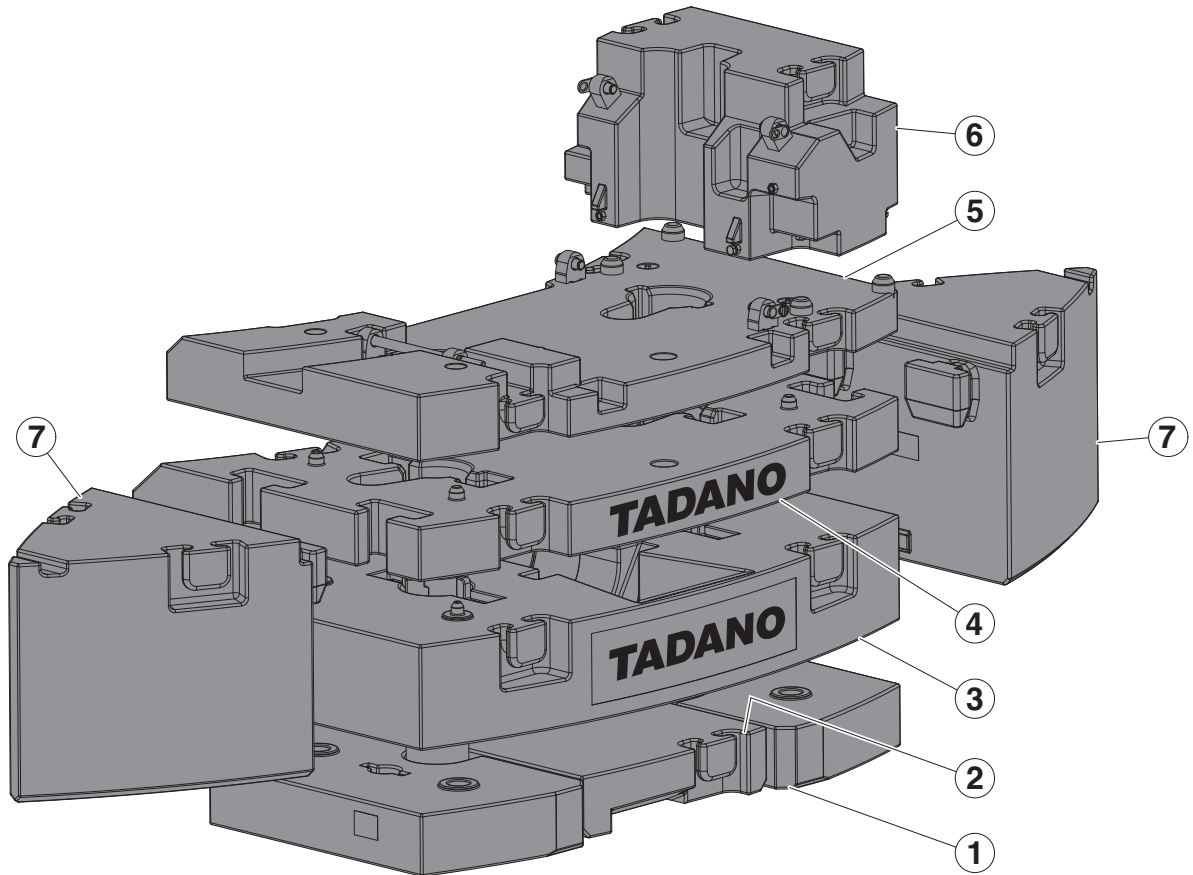
* must be activated

TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight



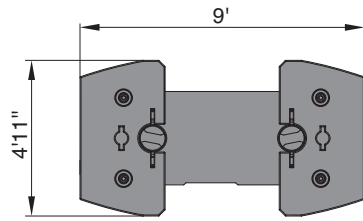
Configurations

lbs	8,200	10,800	15,400	18,100	19,000	23,600	28,900	33,500	39,700	47,800	51,600	57,800	59,800	61,500	69,700	84,900	93,000
① 10,800 lbs		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1
② 4,630 lbs			1			1		1	1	1	1	1	1	1	1	1	1
③ 24,260 lbs									1	1	1	1	1	1	1	1	1
④ 11,910 lbs											1		1	1	1	1	1
⑤ 9,920 lbs				1			1	1				1		1	1	1	1
⑥ 8,200 lbs	1			1	1	1	1	1		1		1	1		1		1
⑦ 11,690 lbs																1	1
⑦ 11,690 lbs																1	1

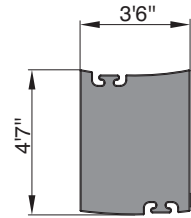
Transportation

Counterweight

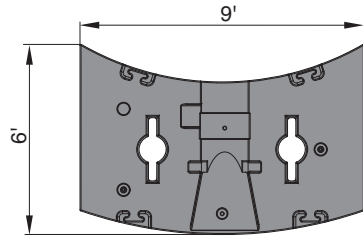
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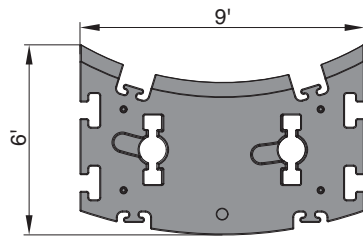
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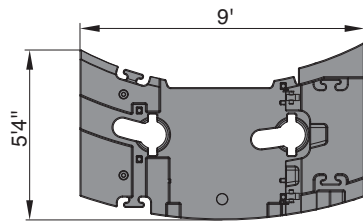
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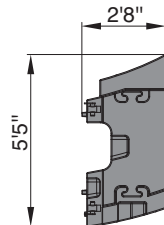
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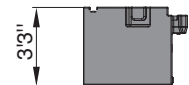
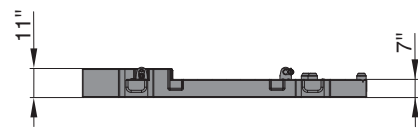
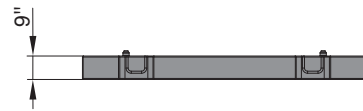
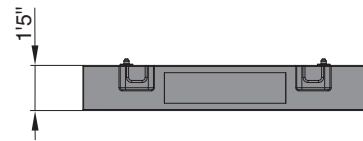
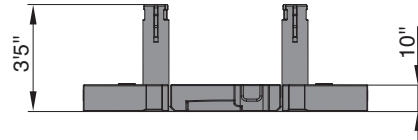
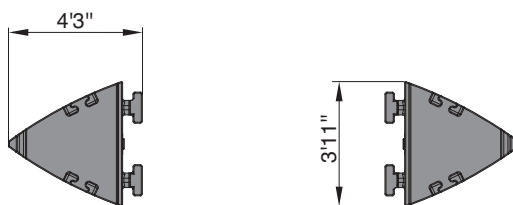
⑤



⑥



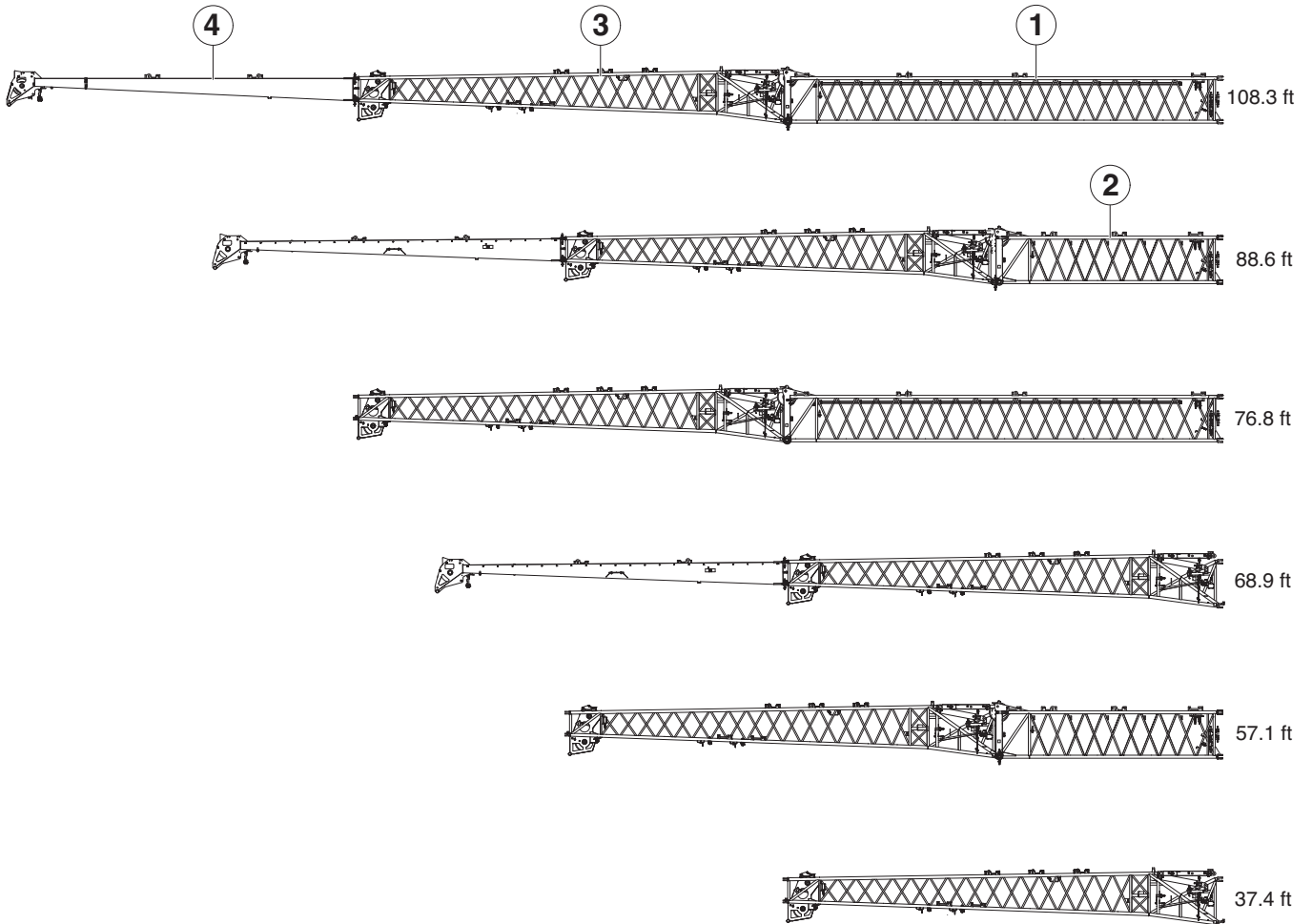
⑦



Transportation

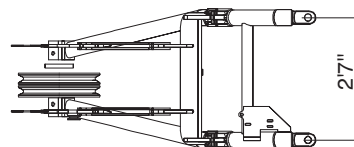
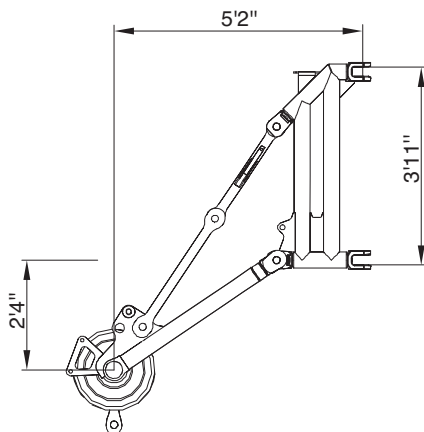
Jib

HAV / HAV-VA



MS

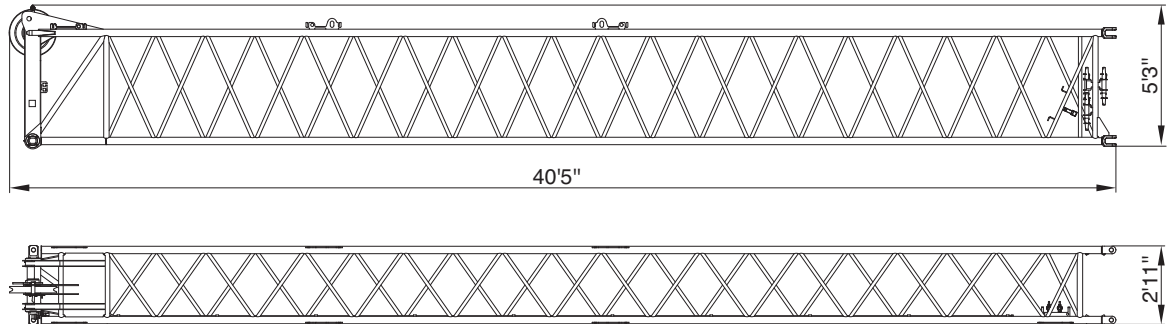
lbs
1,000



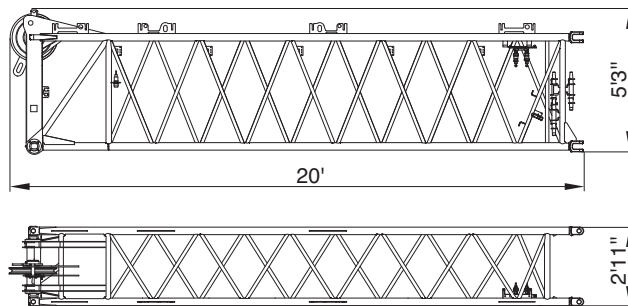
Transportation


Jib

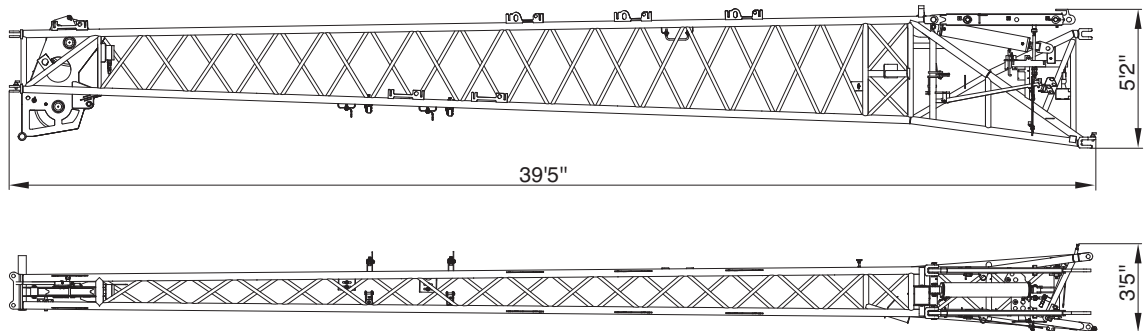
1  2,540



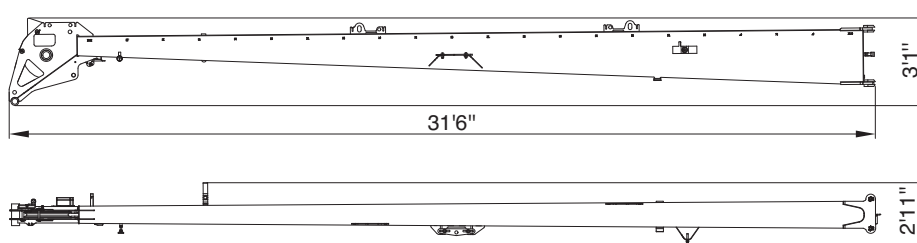
2  1,100



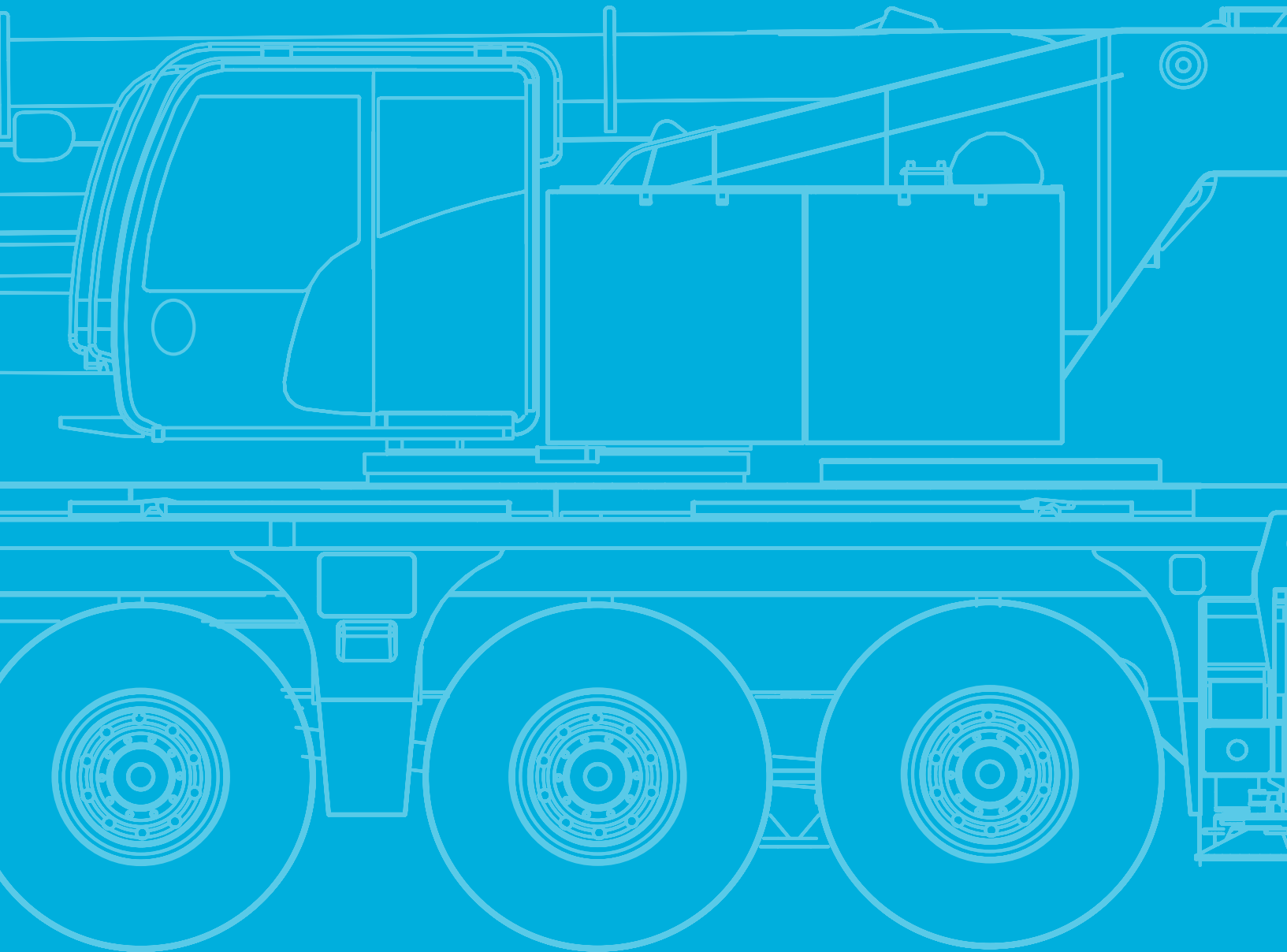
3  3,000 / 3,300 (HY)



4  1,540



TECHNICAL DATA FOR OPERATION



Operation

Main boom



approx. 438 s (41.0 -196.2 ft)



approx. 35 s (-1,5° – 82°)

Slewing



1,75 min⁻¹

Hoist



394 ft/min

18,525 lbf

0.83 in

984 ft



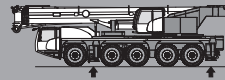
394 ft/min

18,525 lbf

0.83 in

1083 ft

Outrigger cylinders



139,000 lbs

161,000 lbs



20.9 in

24 in

Hook Blocks



26,500 lbs

18,300 lbs

–

1

770 lbs

6.6 ft

70,600 lbs

54,500 lbs

1

3

1,390 lbs

8.9 ft

176,400 lbs

124,600 lbs

3

7

1,870 lbs

9.8 ft

275,600 lbs

175,500 lbs

5

10

2,490 lbs

9.8 ft

352,800 lbs

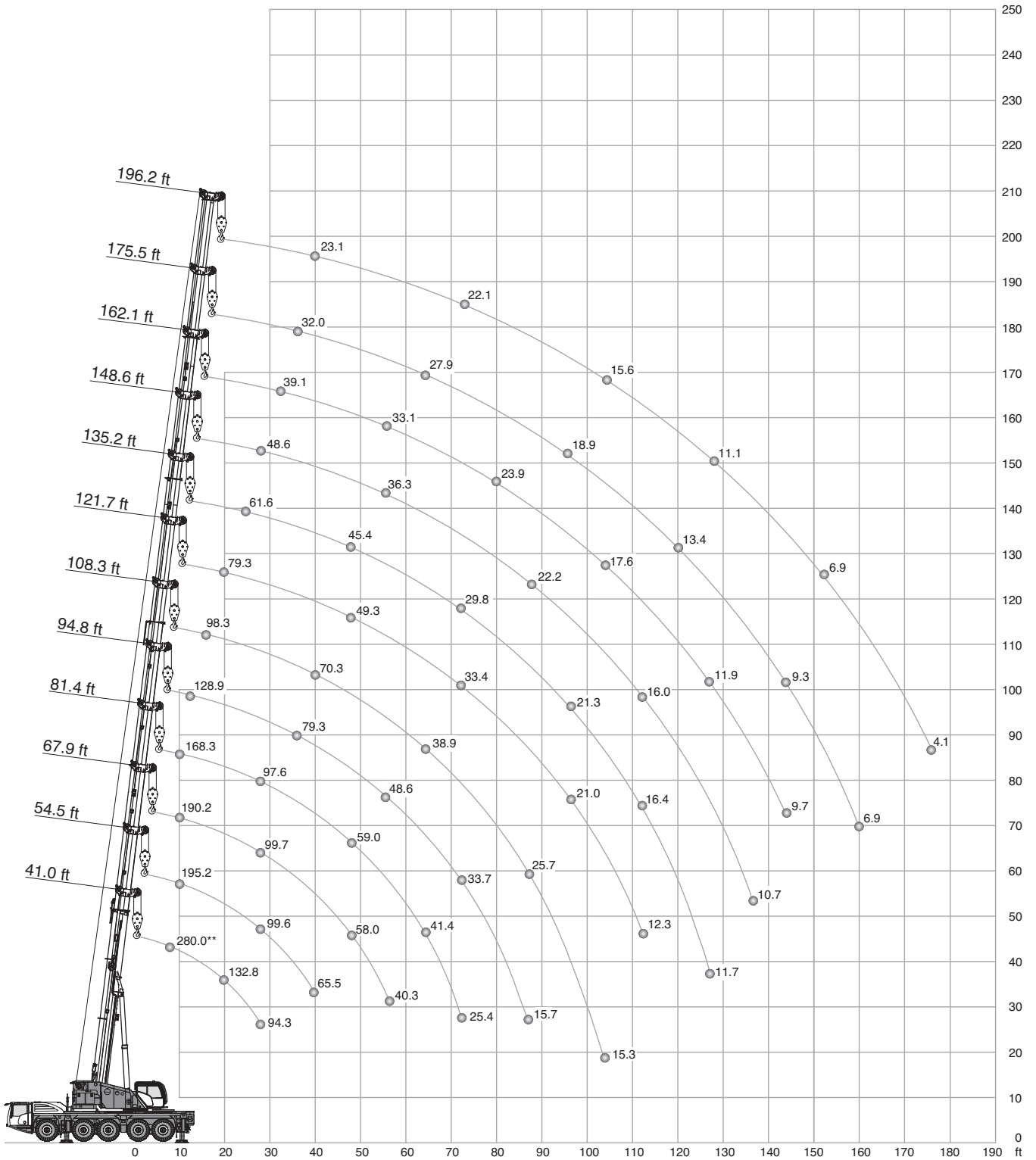
202,400 lbs

7

12

3,660 lbs

9.8 ft



** Max. crane capacity – with additional special equipment

Operation

HA

93,000 lbs		25.3 ft x 23.0 ft											360°		ASME B30.5	
41.0 ft*		41.0 ft	54.5 ft	67.9 ft	81.4 ft	94.8 ft	108.3 ft	121.7 ft	135.2 ft	148.6 ft	162.1 ft	175.5 ft	196.2 ft			
ft	1,000 lbs													ft		
8	280.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
10	200.7	200.7	195.2	190.2	168.3	-	-	-	-	-	-	-	-	-	10	
12	182.8	182.6	177.8	173.5	164.9	128.9	-	-	-	-	-	-	-	-	12	
14	167.6	166.5	163.2	159.0	155.4	128.0	-	-	-	-	-	-	-	-	14	
16	154.6	151.9	150.8	146.7	143.2	126.7	98.3	-	-	-	-	-	-	-	16	
18	143.4	140.0	140.3	136.7	133.3	124.2	97.5	-	-	-	-	-	-	-	18	
20	132.8	129.1	130.4	127.3	124.0	120.7	96.7	79.3	-	-	-	-	-	-	20	
24	113.9	111.7	113.2	112.4	109.4	108.4	94.8	77.7	61.6	-	-	-	-	-	24	
28	94.3	94.2	99.6	99.7	97.6	96.8	91.3	73.6	60.8	48.6	-	-	-	-	28	
32	-	-	88.5	88.7	88.4	87.3	84.5	68.7	58.6	48.2	39.1	-	-	-	32	
36	-	-	78.8	79.5	80.3	79.3	77.3	63.4	55.4	46.9	38.9	32.0	-	-	36	
40	-	-	65.5	70.7	72.3	71.6	70.3	58.1	52.1	45.3	38.6	31.9	23.1	-	40	
48	-	-	-	58.0	59.0	58.3	57.2	49.3	45.4	40.7	36.3	31.4	23.1	-	48	
56	-	-	-	40.3	49.3	48.6	47.4	42.6	39.3	36.3	33.1	29.8	23.1	-	56	
64	-	-	-	-	41.4	40.4	38.9	37.8	34.0	32.0	29.8	27.9	23.0	-	64	
72	-	-	-	-	25.4	33.7	32.1	33.4	29.8	28.1	26.7	25.6	22.1	-	72	
80	-	-	-	-	-	27.4	28.9	28.4	26.7	24.9	23.9	23.2	20.7	-	80	
88	-	-	-	-	-	15.7	25.7	24.3	23.6	22.2	21.5	20.9	19.0	-	88	
96	-	-	-	-	-	-	19.4	21.0	21.3	20.1	19.3	18.9	17.2	-	96	
104	-	-	-	-	-	-	15.3	18.2	18.6	17.4	17.6	17.2	15.6	-	104	
112	-	-	-	-	-	-	-	12.3	16.4	16.0	15.8	15.1	14.3	-	112	
120	-	-	-	-	-	-	-	-	14.1	14.1	13.7	13.4	12.8	-	120	
128	-	-	-	-	-	-	-	-	11.7	12.5	11.9	12.1	11.1	-	128	
136	-	-	-	-	-	-	-	-	-	10.7	10.3	10.7	9.6	-	136	
144	-	-	-	-	-	-	-	-	-	-	9.7	9.3	8.2	-	144	
152	-	-	-	-	-	-	-	-	-	-	-	8.0	6.9	-	152	
160	-	-	-	-	-	-	-	-	-	-	-	6.9	5.9	-	160	
168	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	168	
176	-	-	-	-	-	-	-	-	-	-	-	-	4.1	-	176	
1)	34.6	34.6	25.1	19.4	15.0	11.9	9.0	7.1	4.9	2.9	-	-	-	-	1)	

1) Capacities with horizontal boom

* over rear

** Max. crane capacity – with additional special equipment

Operation

HA

69,700 lbs		25.3 ft x 23.0 ft				360° / Max.*				ASME B30.5			
ft	360° 41.0 ft	Max. 41.0 ft	360° 54.5 ft	Max. 54.5 ft	360° 67.9 ft	Max. 67.9 ft	360° 81.4 ft	Max. 81.4 ft	360° 94.8 ft	Max. 94.8 ft	360° 108.3 ft	Max. 108.3 ft	ft
1,000 lbs													
10	200.7	200.7	195.2	195.2	190.2	190.2	168.3	168.3	-	-	-	-	10
12	181.8	182.6	177.8	177.9	173.5	173.5	164.9	164.9	128.9	128.9	-	-	12
14	164.7	166.5	163.2	163.2	159.0	159.0	155.4	155.4	128.0	128.0	-	-	14
16	150.3	151.9	150.8	150.8	146.7	146.7	143.2	143.2	126.7	126.7	98.3	98.3	16
18	138.5	140.0	139.7	140.3	136.7	136.7	133.3	133.3	124.2	124.2	97.5	97.5	18
20	127.6	129.1	129.1	130.4	127.3	127.3	124.0	124.0	120.7	120.7	96.7	96.7	20
24	110.4	111.7	112.0	113.2	112.1	112.3	109.4	109.4	108.4	108.4	94.8	94.8	24
28	93.7	94.2	97.6	99.6	97.8	99.6	96.8	97.6	96.8	96.8	91.3	91.3	28
32	-	-	84.7	87.9	84.9	88.0	86.3	88.4	85.7	87.3	84.0	84.5	32
36	-	-	74.7	77.5	75.1	77.6	76.6	78.9	75.9	77.9	74.8	75.9	36
40	-	-	61.3	63.2	67.0	67.9	67.6	69.4	66.9	68.7	65.7	67.4	40
48	-	-	-	-	52.9	56.4	52.7	56.2	51.6	55.3	50.0	54.0	48
56	-	-	-	-	36.8	39.1	41.3	46.0	40.3	45.1	38.8	43.7	56
64	-	-	-	-	-	-	33.4	37.7	32.5	36.8	33.5	35.5	64
72	-	-	-	-	-	-	25.4	25.4	28.5	30.6	27.9	31.6	72
80	-	-	-	-	-	-	-	-	24.3	25.6	23.5	27.1	80
88	-	-	-	-	-	-	-	-	15.7	15.7	20.2	23.4	88
96	-	-	-	-	-	-	-	-	-	-	17.7	18.6	96
104	-	-	-	-	-	-	-	-	-	-	15.3	15.3	104
1)	34.6	34.6	25.1	25.1	19.4	19.4	15.0	15.0	11.9	11.9	9.0	9.0	1)

ft	360° 121.7 ft	Max. 121.7 ft	360° 135.2 ft	Max. 135.2 ft	360° 148.6 ft	Max. 148.6 ft	360° 162.1 ft	Max. 162.1 ft	360° 175.5 ft	Max. 175.5 ft	360° 196.2 ft	Max. 196.2 ft	ft
1,000 lbs													
20	79.3	79.3	-	-	-	-	-	-	-	-	-	-	20
24	77.7	77.7	61.6	61.6	-	-	-	-	-	-	-	-	24
28	73.6	73.6	60.8	60.8	48.6	48.6	-	-	-	-	-	-	28
32	68.7	68.7	58.6	58.6	48.2	48.2	39.1	39.1	-	-	-	-	32
36	63.4	63.4	55.4	55.4	46.9	46.9	38.9	38.9	32.0	32.0	-	-	36
40	58.1	58.1	52.1	52.1	45.3	45.3	38.6	38.6	31.9	31.9	23.1	23.1	40
48	48.4	49.3	45.3	45.4	40.7	40.7	36.3	36.3	31.4	31.4	23.1	23.1	48
56	40.0	42.2	37.5	39.3	36.1	36.3	33.1	33.1	29.8	29.8	23.1	23.1	56
64	32.3	36.5	31.0	33.9	30.5	32.0	29.8	29.8	27.9	27.9	23.0	23.0	64
72	26.4	30.6	27.0	29.2	25.7	28.1	25.9	26.7	25.6	25.6	22.1	22.1	72
80	23.3	25.8	22.8	25.5	22.2	24.4	22.2	23.8	21.7	23.2	20.6	20.7	80
88	20.4	22.1	19.2	22.5	19.5	21.4	18.8	21.2	18.8	20.9	18.1	19.0	88
96	17.6	19.7	17.2	19.6	16.9	18.8	16.1	19.0	16.1	18.5	15.1	17.2	96
104	15.3	18.1	15.1	17.1	14.6	17.0	14.5	16.6	13.5	16.0	12.6	15.6	104
112	12.3	12.3	13.3	14.9	12.5	14.9	12.5	14.2	11.6	14.4	10.5	13.6	112
120	-	-	11.5	13.3	10.6	13.4	10.6	12.4	9.8	12.6	8.7	11.7	120
128	-	-	10.0	11.7	9.1	11.9	9.1	11.2	8.3	11.0	7.2	10.1	128
136	-	-	-	-	8.0	10.1	8.0	10.3	6.9	9.6	6.0	8.7	136
144	-	-	-	-	-	-	6.9	9.3	5.8	8.4	4.7	7.5	144
152	-	-	-	-	-	-	-	-	4.7	7.4	3.8	6.3	152
160	-	-	-	-	-	-	-	-	3.9	6.4	2.8	5.4	160
168	-	-	-	-	-	-	-	-	-	-	-	4.5	168
176	-	-	-	-	-	-	-	-	-	-	-	3.8	176
1)	7.1	7.1	4.9	4.9	2.9	2.9	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

57,800 lbs		25.3 ft x 23.0 ft				360° / Max.*				ASME B30.5			
ft	360° 41.0 ft	Max. 41.0 ft	360° 54.5 ft	Max. 54.5 ft	360° 67.9 ft	Max. 67.9 ft	360° 81.4 ft	Max. 81.4 ft	360° 94.8 ft	Max. 94.8 ft	360° 108.3 ft	Max. 108.3 ft	ft
1,000 lbs													
10	200.6	200.7	195.2	195.2	190.2	190.2	168.3	168.3	-	-	-	-	10
12	180.7	182.6	177.8	177.9	173.5	173.5	164.9	164.9	128.9	128.9	-	-	12
14	163.8	166.5	163.2	163.2	159.0	159.0	155.4	155.4	128.0	128.0	-	-	14
16	149.5	151.9	150.6	150.8	146.7	146.7	143.2	143.2	126.7	126.7	98.3	98.3	16
18	137.8	140.0	139.3	140.3	136.7	136.7	133.3	133.3	124.2	124.2	97.5	97.5	18
20	126.9	129.1	128.5	130.4	127.3	127.3	124.0	124.0	120.7	120.7	96.7	96.7	20
24	108.9	111.7	110.8	113.2	110.9	112.3	108.9	109.4	108.4	108.4	94.8	94.8	24
28	92.1	94.2	94.6	98.3	94.9	98.5	95.4	97.0	95.5	96.8	91.0	91.3	28
32	-	-	81.8	84.6	82.0	84.7	83.7	86.1	82.9	85.3	80.4	83.7	32
36	-	-	70.4	74.2	71.0	74.3	72.6	75.9	71.7	75.1	69.2	74.0	36
40	-	-	54.1	60.7	62.2	67.0	61.9	66.6	61.0	65.7	59.1	64.6	40
48	-	-	-	-	46.6	53.8	46.3	53.6	45.3	52.9	44.6	51.6	48
56	-	-	-	-	34.2	37.9	36.0	44.4	35.4	43.6	36.6	42.2	56
64	-	-	-	-	-	-	29.0	37.1	30.1	36.2	29.3	34.9	64
72	-	-	-	-	-	-	25.4	25.4	25.0	30.5	24.1	31.6	72
80	-	-	-	-	-	-	-	-	21.1	25.6	21.0	27.1	80
88	-	-	-	-	-	-	-	-	15.7	15.7	18.3	23.4	88
96	-	-	-	-	-	-	-	-	-	-	15.9	18.6	96
104	-	-	-	-	-	-	-	-	-	-	13.9	15.3	104
1)	34.6	34.6	25.1	25.1	19.4	19.4	15.0	15.0	11.9	11.9	9.0	9.0	1)

ft	360° 121.7 ft	Max. 121.7 ft	360° 135.2 ft	Max. 135.2 ft	360° 148.6 ft	Max. 148.6 ft	360° 162.1 ft	Max. 162.1 ft	360° 175.5 ft	Max. 175.5 ft	360° 196.2 ft	Max. 196.2 ft	ft
1,000 lbs													
20	79.3	79.3	-	-	-	-	-	-	-	-	-	-	20
24	77.7	77.7	61.6	61.6	-	-	-	-	-	-	-	-	24
28	73.6	73.6	60.8	60.8	48.6	48.6	-	-	-	-	-	-	28
32	68.7	68.7	58.6	58.6	48.2	48.2	39.1	39.1	-	-	-	-	32
36	62.9	63.4	55.4	55.4	46.9	46.9	38.9	38.9	32.0	32.0	-	-	36
40	56.6	58.1	51.9	52.1	45.3	45.3	38.6	38.6	31.9	31.9	23.1	23.1	40
48	45.2	49.3	42.2	45.4	40.2	40.7	36.3	36.3	31.4	31.4	23.1	23.1	48
56	34.9	41.9	34.2	39.3	33.2	36.3	32.4	33.1	29.8	29.8	23.1	23.1	56
64	28.6	36.1	28.6	33.9	27.5	32.0	27.5	29.8	26.9	27.9	23.0	23.0	64
72	24.4	30.5	23.3	29.2	23.9	28.1	22.8	26.7	23.0	25.6	21.9	22.1	72
80	20.4	25.8	20.4	25.5	20.0	24.4	19.8	23.8	19.1	23.2	18.0	20.7	80
88	17.4	22.1	17.4	22.5	16.9	21.4	16.9	21.2	16.0	20.9	14.9	19.0	88
96	15.3	19.7	15.1	19.6	14.2	18.8	14.2	19.0	13.3	18.5	12.2	17.2	96
104	13.4	18.1	12.8	17.1	11.9	17.0	11.9	16.6	11.1	16.0	10.0	15.6	104
112	11.6	12.3	10.9	14.9	10.0	14.9	10.0	14.2	9.2	14.4	8.1	13.6	112
120	-	-	9.4	13.3	8.5	13.4	8.5	12.4	7.6	12.6	6.5	11.7	120
128	-	-	8.0	11.7	7.2	11.9	7.2	11.2	6.2	11.0	5.2	10.1	128
136	-	-	-	-	6.0	10.1	6.0	10.3	4.9	9.6	4.0	8.7	136
144	-	-	-	-	-	-	4.9	9.3	4.0	8.4	2.9	7.5	144
152	-	-	-	-	-	-	-	-	3.0	7.4	-	6.3	152
160	-	-	-	-	-	-	-	-	-	6.4	-	5.4	160
168	-	-	-	-	-	-	-	-	-	-	-	4.5	168
176	-	-	-	-	-	-	-	-	-	-	-	3.8	176
1)	7.1	7.1	4.9	4.9	2.9	2.9	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

23,600 lbs		25.3 ft x 23.0 ft				360° / Max.*				ASME B30.5			
360° 41.0 ft	Max. 41.0 ft	360° 54.5 ft	Max. 54.5 ft	360° 67.9 ft	Max. 67.9 ft	360° 81.4 ft	Max. 81.4 ft	360° 94.8 ft	Max. 94.8 ft	360° 108.3 ft	Max. 108.3 ft		
1,000 lbs													
ft												ft	
10	198.1	200.7	195.2	195.2	190.2	190.2	168.3	168.3	-	-	-	-	10
12	178.1	182.6	177.8	177.9	173.5	173.5	164.9	164.9	128.9	128.9	-	-	12
14	161.3	166.5	162.6	163.2	159.0	159.0	155.4	155.4	128.0	128.0	-	-	14
16	147.3	151.9	148.7	150.8	146.7	146.7	143.2	143.2	126.7	126.7	98.3	98.3	16
18	133.1	139.3	134.8	140.0	134.1	136.7	129.0	133.3	116.6	124.2	97.5	97.5	18
20	119.1	126.9	121.3	129.1	121.0	126.7	114.1	123.7	109.0	120.6	95.3	96.7	20
24	95.2	102.6	97.9	104.6	94.5	104.8	91.5	104.1	84.7	105.8	77.8	94.3	24
28	69.8	85.2	74.4	87.2	76.3	87.3	73.4	89.1	68.3	88.0	63.9	83.8	28
32	-	-	57.9	74.3	59.5	76.2	59.0	75.7	56.4	73.4	55.5	70.2	32
36	-	-	47.4	64.8	48.8	65.7	48.6	65.4	48.2	62.9	47.6	60.4	36
40	-	-	31.8	51.4	41.0	57.7	41.0	57.4	41.4	54.4	40.3	53.1	40
48	-	-	-	-	30.5	44.2	31.0	43.9	30.3	42.1	30.9	42.9	48
56	-	-	-	-	23.3	33.4	23.9	34.8	23.9	35.1	24.0	35.2	56
64	-	-	-	-	-	-	18.8	28.2	19.2	29.5	18.9	28.6	64
72	-	-	-	-	-	-	15.1	24.3	15.5	23.9	15.1	23.4	72
80	-	-	-	-	-	-	-	-	12.6	20.0	12.2	20.4	80
88	-	-	-	-	-	-	-	-	10.4	15.7	9.9	17.2	88
96	-	-	-	-	-	-	-	-	-	-	8.1	14.8	96
104	-	-	-	-	-	-	-	-	-	-	6.6	12.8	104
1)	34.6	34.6	25.1	25.1	19.4	19.4	14.8	15.0	10.6	11.9	7.3	9.0	1)

360° 121.7 ft	Max. 121.7 ft	360° 135.2 ft	Max. 135.2 ft	360° 148.6 ft	Max. 148.6 ft	360° 162.1 ft	Max. 162.1 ft	360° 175.5 ft	Max. 175.5 ft	360° 196.2 ft	Max. 196.2 ft	
1,000 lbs												
ft											ft	
20	79.0	79.3	-	-	-	-	-	-	-	-	-	20
24	71.6	77.7	61.0	61.6	-	-	-	-	-	-	-	24
28	60.9	73.6	54.9	60.8	48.6	48.6	-	-	-	-	-	28
32	51.0	67.4	48.9	58.6	44.6	48.2	39.1	39.1	-	-	-	32
36	44.4	59.1	42.7	53.5	39.5	46.9	35.8	38.9	32.0	32.0	-	36
40	39.7	52.6	37.9	48.6	36.3	44.8	33.1	38.6	31.3	31.9	23.1	40
48	30.7	41.1	29.4	38.2	27.9	36.5	27.0	34.2	24.9	31.1	21.9	48
56	23.7	32.2	23.0	31.7	21.9	30.2	21.1	28.7	19.4	26.8	17.3	56
64	18.7	27.9	17.9	25.6	17.0	25.6	16.7	24.4	15.1	22.6	13.2	64
72	14.9	23.5	14.2	22.6	13.1	21.0	13.1	20.4	11.5	18.4	9.8	72
80	12.0	19.3	11.3	19.2	10.2	17.9	10.2	17.2	8.9	15.5	7.2	80
88	9.6	16.9	8.8	16.3	8.0	15.3	8.0	14.6	6.9	13.1	5.2	88
96	7.8	14.5	7.0	13.7	6.1	12.9	6.1	12.5	5.1	10.9	3.6	96
104	6.2	12.4	5.5	11.7	4.6	10.6	4.6	10.6	3.7	9.1	-	104
112	5.0	10.5	4.1	9.8	3.2	8.9	3.2	8.9	-	7.6	-	112
120	-	-	3.1	8.2	-	7.4	-	7.4	-	6.3	-	120
128	-	-	-	6.8	-	6.1	-	6.1	-	5.1	-	128
136	-	-	-	-	-	5.0	-	5.0	-	4.1	-	136
144	-	-	-	-	-	-	-	-	-	3.1	-	144
1)	4.9	7.1	2.2	4.9	-	2.9	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

19,000 lbs		25.3 ft x 23.0 ft				360° / Max.*				ASME B30.5			
ft	360° 41.0 ft	Max. 41.0 ft	360° 54.5 ft	Max. 54.5 ft	360° 67.9 ft	Max. 67.9 ft	360° 81.4 ft	Max. 81.4 ft	360° 94.8 ft	Max. 94.8 ft	360° 108.3 ft	Max. 108.3 ft	ft
1,000 lbs													
10	197.7	200.7	195.2	195.2	190.2	190.2	168.3	168.3	-	-	-	-	10
12	177.7	182.6	177.8	177.9	173.5	173.5	164.9	164.9	128.9	128.9	-	-	12
14	161.1	166.5	162.4	163.2	159.0	159.0	155.4	155.4	128.0	128.0	-	-	14
16	146.2	151.9	148.2	150.8	146.7	146.7	143.2	143.2	126.7	126.7	98.3	98.3	16
18	131.5	138.1	133.7	138.8	132.2	136.7	125.2	133.3	113.0	124.2	95.7	97.5	18
20	117.0	124.5	119.2	126.7	116.8	126.5	111.3	123.5	101.9	120.4	91.5	96.7	20
24	89.7	100.7	92.7	102.7	91.2	102.9	85.4	103.1	79.0	103.8	73.5	93.2	24
28	64.4	83.7	69.8	85.6	71.0	86.0	68.3	87.2	63.5	84.7	61.4	80.7	28
32	-	-	53.7	73.2	55.3	74.4	54.9	72.9	54.5	70.5	51.7	67.9	32
36	-	-	43.8	63.6	45.3	64.4	45.1	63.3	46.5	60.5	44.1	58.4	36
40	-	-	28.5	49.1	37.9	56.4	39.0	54.2	38.4	52.3	38.0	51.2	40
48	-	-	-	-	28.0	42.0	28.6	41.8	28.9	40.8	28.7	41.9	48
56	-	-	-	-	21.3	32.8	21.8	33.2	22.4	34.2	22.0	32.6	56
64	-	-	-	-	-	-	17.1	27.3	17.6	27.5	17.2	26.3	64
72	-	-	-	-	-	-	13.7	22.8	14.2	22.2	13.7	22.6	72
80	-	-	-	-	-	-	-	-	11.3	19.1	10.9	18.7	80
88	-	-	-	-	-	-	-	-	9.3	15.7	8.8	15.8	88
96	-	-	-	-	-	-	-	-	-	-	7.0	13.4	96
104	-	-	-	-	-	-	-	-	-	-	5.7	11.5	104
1)	34.6	34.6	25.1	25.1	19.0	19.4	13.2	15.0	9.5	11.9	6.2	9.0	1)

ft	360° 121.7 ft	Max. 121.7 ft	360° 135.2 ft	Max. 135.2 ft	360° 148.6 ft	Max. 148.6 ft	360° 162.1 ft	Max. 162.1 ft	360° 175.5 ft	Max. 175.5 ft	360° 196.2 ft	Max. 196.2 ft	ft
1,000 lbs													
20	78,5	79,3	-	-	-	-	-	-	-	-	-	-	20
24	67,1	77,7	59,5	61,6	-	-	-	-	-	-	-	-	24
28	56,7	73,6	52,7	60,8	46,5	48,6	-	-	-	-	-	-	28
32	48,5	64,6	45,9	58,6	42,6	48,2	38,2	39,1	-	-	-	-	32
36	42,3	55,6	39,8	51,3	38,0	45,5	34,4	38,9	30,5	32,0	-	-	36
40	36,7	49,7	35,2	45,1	33,3	42,1	32,0	38,3	28,3	31,9	23,0	23,1	40
48	28,5	37,5	26,9	36,7	25,5	33,9	24,5	33,0	22,4	30,1	20,2	23,1	48
56	21,8	31,2	20,9	29,1	19,7	28,8	19,0	27,0	17,3	25,1	15,2	21,9	56
64	17,0	25,9	16,3	24,7	15,2	23,2	14,9	22,3	13,2	20,3	11,1	18,1	64
72	13,3	21,7	12,6	20,8	11,5	19,3	11,5	18,6	10,0	16,6	8,0	14,8	72
80	10,6	18,5	9,8	17,6	8,9	16,3	8,9	15,5	7,4	13,9	5,7	12,2	80
88	8,4	15,8	7,7	14,8	6,6	13,8	6,9	13,2	5,5	11,6	3,9	9,9	88
96	6,7	13,1	5,9	12,4	4,9	11,5	5,1	11,2	3,9	9,6	-	7,8	96
104	5,2	11,0	4,4	10,2	3,5	9,3	3,5	9,3	2,6	7,9	-	6,2	104
112	4,1	9,4	3,2	8,5	-	7,8	-	7,8	-	6,3	-	4,8	112
120	-	-	-	7,2	-	6,4	-	6,4	-	5,0	-	3,5	120
128	-	-	-	6,2	-	5,3	-	5,3	-	4,1	-	2,5	128
136	-	-	-	-	-	4,2	-	4,2	-	3,1	-	-	136
144	-	-	-	-	-	-	-	3,3	-	2,4	-	-	144
1)	3.7	7.1	-	4.9	-	2.9	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

69,700 lbs		25.3 ft x 15.4 ft				360° / Max.*				ASME B30.5			
ft	360° 41.0 ft	Max. 41.0 ft	360° 54.5 ft	Max. 54.5 ft	360° 67.9 ft	Max. 67.9 ft	360° 81.4 ft	Max. 81.4 ft	360° 94.8 ft	Max. 94.8 ft	360° 108.3 ft	Max. 108.3 ft	ft
1,000 lbs													
10	-	200.7	-	195.2	-	190.2	-	168.3	-	-	-	-	10
12	162.6	182.6	164.1	177.9	164.4	173.5	162.6	164.9	128.9	128.9	-	-	12
14	145.6	166.5	147.2	163.2	147.4	159.0	147.0	155.4	126.3	128.0	-	-	14
16	131.5	151.9	133.0	150.8	133.2	146.7	128.8	143.2	118.9	126.7	98.3	98.3	16
18	118.1	140.0	120.4	140.3	120.8	136.7	114.2	133.3	107.2	124.2	92.7	97.5	18
20	104.5	129.1	107.5	130.4	108.0	127.3	103.2	124.0	94.9	120.7	87.4	96.7	20
24	76.4	111.7	80.4	113.2	81.7	112.3	81.5	109.4	77.2	108.4	72.1	94.8	24
28	59.1	94.2	62.5	99.6	63.7	99.6	63.6	97.6	62.8	96.8	62.0	91.3	28
32	-	-	50.6	87.9	51.7	88.0	51.6	88.4	52.5	87.3	52.0	84.5	32
36	-	-	42.7	77.5	43.7	77.6	43.7	78.9	44.8	77.9	44.0	75.9	36
40	-	-	31.0	63.2	37.6	67.9	38.5	69.4	37.8	68.7	38.1	67.4	40
48	-	-	-	-	29.1	56.4	29.5	56.2	29.5	55.3	29.3	54.0	48
56	-	-	-	-	23.0	39.1	23.3	46.0	23.4	45.1	23.6	43.7	56
64	-	-	-	-	-	-	19.1	37.7	19.3	36.8	19.1	35.5	64
72	-	-	-	-	-	-	15.7	25.4	15.9	30.6	15.7	31.6	72
80	-	-	-	-	-	-	-	-	13.6	25.6	13.3	27.1	80
88	-	-	-	-	-	-	-	-	11.6	15.7	11.3	23.4	88
96	-	-	-	-	-	-	-	-	-	-	9.7	18.6	96
104	-	-	-	-	-	-	-	-	-	-	8.3	15.3	104
1)	34.6	34.6	25.1	25.1	19.4	19.4	15.0	15.0	11.9	11.9	9.0	9.0	1)

ft	360° 121.7 ft	Max. 121.7 ft	360° 135.2 ft	Max. 135.2 ft	360° 148.6 ft	Max. 148.6 ft	360° 162.1 ft	Max. 162.1 ft	360° 175.5 ft	Max. 175.5 ft	360° 196.2 ft	Max. 196.2 ft	ft
1,000 lbs													
20	78.3	79.3	-	-	-	-	-	-	-	-	-	-	20
24	67.3	77.7	59.9	61.6	-	-	-	-	-	-	-	-	24
28	58.0	73.6	53.4	60.8	47.9	48.6	-	-	-	-	-	-	28
32	50.3	68.7	48.1	58.6	44.1	48.2	39.1	39.1	-	-	-	-	32
36	43.6	63.4	42.2	55.4	39.7	46.9	36.2	38.9	32.0	32.0	-	-	36
40	37.4	58.1	37.4	52.1	36.7	45.3	34.0	38.6	31.5	31.9	23.1	23.1	40
48	29.2	49.3	28.8	45.4	28.0	40.7	28.2	36.3	26.6	31.4	22.7	23.1	48
56	23.3	42.2	22.7	39.3	22.0	36.3	22.0	33.1	21.4	29.8	19.7	23.1	56
64	18.9	36.5	18.4	33.9	17.7	32.0	17.7	29.8	17.1	27.9	16.1	23.0	64
72	15.5	30.6	15.1	29.2	14.4	28.1	14.4	26.7	13.7	25.6	13.1	22.1	72
80	13.1	25.8	12.5	25.5	12.0	24.4	12.0	23.8	11.3	23.2	10.7	20.7	80
88	11.1	22.1	10.6	22.5	9.9	21.4	9.9	21.2	9.3	20.9	8.6	19.0	88
96	9.4	19.7	8.9	19.6	8.3	18.8	8.3	19.0	7.7	18.5	7.0	17.2	96
104	8.1	18.1	7.4	17.1	7.0	17.0	7.0	16.6	6.3	16.0	5.7	15.6	104
112	7.0	12.3	6.3	14.9	5.9	14.9	5.9	14.2	5.2	14.4	4.3	13.6	112
120	-	-	5.5	13.3	4.8	13.4	4.8	12.4	3.9	12.6	3.1	11.7	120
128	-	-	4.5	11.7	3.9	11.9	3.9	11.2	3.0	11.0	-	10.1	128
136	-	-	-	-	3.0	10.1	3.0	10.3	-	9.6	-	8.7	136
144	-	-	-	-	-	-	-	9.3	-	8.4	-	7.5	144
152	-	-	-	-	-	-	-	-	-	7.4	-	6.3	152
160	-	-	-	-	-	-	-	-	-	6.4	-	5.4	160
168	-	-	-	-	-	-	-	-	-	-	-	4.5	168
176	-	-	-	-	-	-	-	-	-	-	-	3.8	176
1)	6.8	7.1	4.6	4.9	2.6	2.9	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

57,800 lbs		25.3 ft x 15.4 ft				360° / Max.*				ASME B30.5			
ft	360° 41.0 ft	Max. 41.0 ft	360° 54.5 ft	Max. 54.5 ft	360° 67.9 ft	Max. 67.9 ft	360° 81.4 ft	Max. 81.4 ft	360° 94.8 ft	Max. 94.8 ft	360° 108.3 ft	Max. 108.3 ft	ft
1,000 lbs													
10	181.0	200.7	182.4	195.2	182.6	190.2	168.2	168.3	-	-	-	-	10
12	160.2	182.6	161.8	177.9	162.0	173.5	158.7	164.9	127.6	128.9	-	-	12
14	143.4	166.5	145.1	163.2	145.2	159.0	132.8	155.4	120.1	128.0	-	-	14
16	129.4	151.9	131.2	150.8	126.2	146.7	117.6	143.2	106.5	126.7	95.4	98.3	16
18	110.9	140.0	113.2	140.3	109.8	136.7	103.6	133.3	94.2	124.2	86.5	97.5	18
20	92.0	129.1	94.8	130.4	98.1	127.3	90.9	124.0	83.1	120.7	78.2	96.7	20
24	66.8	111.7	70.9	113.2	72.1	112.3	71.9	109.4	67.8	108.4	65.8	94.8	24
28	51.5	94.2	55.0	98.3	56.1	98.5	55.9	97.0	57.1	96.8	55.2	91.3	28
32	-	-	44.2	84.6	46.0	84.7	46.8	86.1	46.5	85.3	45.8	83.7	32
36	-	-	37.2	74.2	39.1	74.3	39.9	75.9	39.3	75.1	39.3	74.0	36
40	-	-	26.3	60.7	33.3	67.0	33.7	66.6	33.7	65.7	33.7	64.6	40
48	-	-	-	-	25.1	53.5	25.5	53.2	26.0	52.5	25.7	51.1	48
56	-	-	-	-	19.8	37.4	20.0	42.3	20.5	41.4	20.3	39.9	56
64	-	-	-	-	-	-	16.1	34.4	16.6	33.3	16.4	34.2	64
72	-	-	-	-	-	-	13.3	25.4	13.7	28.5	13.3	29.0	72
80	-	-	-	-	-	-	-	-	11.4	24.9	11.2	24.3	80
88	-	-	-	-	-	-	-	-	9.7	15.7	9.4	21.0	88
96	-	-	-	-	-	-	-	-	-	-	7.9	17.8	96
104	-	-	-	-	-	-	-	-	-	-	6.7	15.3	104
1)	34.6	34.6	25.1	25.1	17.9	19.4	13.0	15.0	9.9	11.9	7.3	9.0	1)

ft	360° 121.7 ft	Max. 121.7 ft	360° 135.2 ft	Max. 135.2 ft	360° 148.6 ft	Max. 148.6 ft	360° 162.1 ft	Max. 162.1 ft	360° 175.5 ft	Max. 175.5 ft	360° 196.2 ft	Max. 196.2 ft	ft
1,000 lbs													
20	72.4	79.3	-	-	-	-	-	-	-	-	-	-	20
24	59.8	77.7	55.4	61.6	-	-	-	-	-	-	-	-	24
28	51.9	73.6	48.7	60.8	43.9	48.6	-	-	-	-	-	-	28
32	45.5	68.7	43.3	58.6	40.8	48.2	36.9	39.1	-	-	-	-	32
36	38.8	63.4	37.9	55.4	36.1	46.9	33.2	38.9	29.9	32.0	-	-	36
40	33.7	58.1	32.8	52.1	31.6	45.3	30.4	38.6	27.8	31.9	23.0	23.1	40
48	25.5	48.9	24.9	45.4	24.2	40.7	24.1	36.3	22.3	31.4	20.2	23.1	48
56	20.0	40.7	19.6	38.4	18.8	36.3	18.9	33.1	18.0	29.8	16.1	23.1	56
64	16.1	33.2	15.7	31.9	15.0	31.1	15.0	29.8	14.4	27.9	12.8	23.0	64
72	13.3	27.5	12.6	27.8	12.0	26.8	12.0	26.1	11.3	25.6	10.2	22.1	72
80	10.9	23.5	10.5	23.5	9.8	22.4	9.8	23.0	9.2	22.4	8.1	20.7	80
88	9.2	21.1	8.7	20.2	8.1	20.2	8.1	19.7	7.4	19.3	6.3	18.7	88
96	7.7	18.5	7.2	17.3	6.6	17.7	6.6	16.8	5.9	17.0	4.8	16.0	96
104	6.5	16.0	5.9	15.8	5.4	15.3	5.4	14.7	4.6	14.6	3.5	13.5	104
112	5.5	12.3	5.0	13.8	4.1	13.4	4.1	13.4	3.5	12.5	-	11.6	112
120	-	-	3.9	12.3	3.1	11.7	3.1	11.7	-	10.9	-	10.0	120
128	-	-	3.1	11.1	-	10.2	-	10.2	-	9.4	-	8.5	128
136	-	-	-	-	-	8.9	-	8.9	-	8.0	-	7.1	136
144	-	-	-	-	-	-	-	7.8	-	6.9	-	5.8	144
152	-	-	-	-	-	-	-	-	-	5.8	-	5.0	152
160	-	-	-	-	-	-	-	-	-	5.0	-	4.2	160
168	-	-	-	-	-	-	-	-	-	-	-	3.4	168
176	-	-	-	-	-	-	-	-	-	-	-	2.7	176
1)	5.3	7.1	3.1	4.9	-	2.9	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



23,600 lbs		25.3 ft x 15.4 ft				360° / Max.*				ASME B30.5			
	360° 41.0 ft	Max. 41.0 ft	360° 54.5 ft	Max. 54.5 ft	360° 67.9 ft	Max. 67.9 ft	360° 81.4 ft	Max. 81.4 ft	360° 94.8 ft	Max. 94.8 ft	360° 108.3 ft	Max. 108.3 ft	
ft	1,000 lbs												ft
10	173.2	200.7	173.2	195.2	148.5	190.2	131.3	168.3	-	-	-	-	10
12	149.5	182.6	135.0	177.9	121.2	173.5	106.2	164.9	94.5	128.9	-	-	12
14	118.3	166.5	108.5	163.2	99.2	159.0	88.3	155.4	82.2	128.0	-	-	14
16	90.1	151.9	90.9	150.8	83.2	146.7	77.0	143.2	70.7	126.7	65.3	98.3	16
18	71.9	139.3	75.6	140.0	72.0	136.7	68.3	133.3	62.3	124.2	58.6	97.5	18
20	57.0	126.9	61.6	129.1	63.4	126.7	59.6	123.7	56.0	120.2	51.9	96.7	20
24	40.4	102.6	44.4	104.6	47.2	104.8	47.1	103.8	45.3	104.0	42.3	91.3	24
28	30.2	85.2	33.7	87.2	36.4	87.2	36.9	87.1	36.8	82.2	35.1	75.6	28
32	-	-	26.6	72.0	29.1	74.6	29.5	71.1	30.0	67.4	29.3	62.5	32
36	-	-	21.9	59.2	24.1	60.7	24.6	59.6	25.1	56.8	24.7	53.7	36
40	-	-	12.8	43.5	19.8	50.7	20.3	50.7	20.9	48.7	20.5	48.6	40
48	-	-	-	-	14.5	37.9	15.0	37.7	15.4	38.8	15.1	36.5	48
56	-	-	-	-	10.8	29.7	11.3	29.9	11.6	30.0	11.4	28.9	56
64	-	-	-	-	-	-	8.6	23.9	9.0	23.7	8.6	23.7	64
72	-	-	-	-	-	-	6.7	19.3	7.1	19.3	6.7	19.3	72
80	-	-	-	-	-	-	-	-	5.5	16.1	5.3	15.8	80
88	-	-	-	-	-	-	-	-	4.3	13.5	4.0	13.1	88
96	-	-	-	-	-	-	-	-	-	-	2.8	11.1	96
104	-	-	-	-	-	-	-	-	-	-	-	9.5	104
1)	22.9	34.6	13.9	25.1	9.5	19.4	6.4	15.0	4.4	11.9	2.2	9.0	1)



	360° 121.7 ft	Max. 121.7 ft	360° 135.2 ft	Max. 135.2 ft	360° 148.6 ft	Max. 148.6 ft	360° 162.1 ft	Max. 162.1 ft	360° 175.5 ft	Max. 175.5 ft	360° 196.2 ft	Max. 196.2 ft	
ft	1,000 lbs												ft
20	48.2	79.3	-	-	-	-	-	-	-	-	-	-	20
24	39.4	77.6	36.0	61.6	-	-	-	-	-	-	-	-	24
28	32.8	68.3	30.1	59.9	27.9	48.6	-	-	-	-	-	-	28
32	27.8	59.1	25.3	53.8	23.5	48.2	22.3	39.1	-	-	-	-	32
36	23.8	50.9	21.9	46.4	20.2	42.8	19.2	37.9	17.1	32.0	-	-	36
40	20.1	43.6	18.8	41.9	17.3	38.3	16.4	36.4	14.5	31.7	12.5	23.1	40
48	15.0	35.3	14.0	33.0	12.9	32.3	12.3	30.0	10.6	27.1	8.9	22.8	48
56	11.2	28.2	10.6	27.3	9.6	25.6	9.2	24.6	7.6	22.6	6.0	20.1	56
64	8.6	23.1	8.0	22.2	7.1	20.5	6.8	19.8	5.5	18.1	3.9	16.2	64
72	6.4	19.0	6.0	18.4	5.1	17.3	4.9	16.2	3.6	14.6	-	12.6	72
80	5.1	15.6	4.4	15.0	3.5	14.1	3.3	13.7	-	12.0	-	10.0	80
88	3.7	12.9	3.1	12.1	-	11.2	-	11.1	-	9.6	-	8.0	88
96	-	10.9	-	10.2	-	9.2	-	8.9	-	7.6	-	6.2	96
104	-	9.2	-	8.6	-	7.7	-	7.3	-	6.1	-	4.6	104
112	-	7.6	-	7.0	-	6.1	-	6.1	-	4.8	-	3.5	112
120	-	-	-	5.7	-	4.8	-	4.8	-	3.7	-	-	120
128	-	-	-	4.6	-	3.9	-	3.9	-	2.8	-	-	128
136	-	-	-	-	-	3.0	-	3.0	-	-	-	-	136
144	-	-	-	-	-	-	-	2.2	-	-	-	-	144
1)	-	7.1	-	4.9	-	2.6	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

19,000 lbs		25.3 ft x 15.4 ft				360° / Max.*				ASME B30.5				
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	
ft		41.0 ft	41.0 ft	54.5 ft	54.5 ft	67.9 ft	67.9 ft	81.4 ft	81.4 ft	94.8 ft	94.8 ft	108.3 ft	108.3 ft	ft
1,000 lbs														
10	171.7	200.7	164.6	195.2	137.5	190.2	121.7	168.3	-	-	-	-	-	10
12	142.7	182.6	124.9	177.9	112.4	173.5	98.1	164.9	89.9	128.9	-	-	-	12
14	109.6	166.5	101.8	163.2	91.8	159.0	82.7	155.4	76.1	128.0	-	-	-	14
16	83.1	151.9	83.9	150.8	76.8	146.7	72.2	143.2	65.9	126.7	61.0	98.3	16	
18	66.2	138.1	69.8	138.8	67.1	136.7	63.1	133.3	58.8	124.2	54.1	97.5	18	
20	52.2	124.5	56.8	126.7	58.7	126.5	55.0	123.5	51.6	119.6	47.7	96.5	20	
24	36.8	100.7	40.7	102.7	43.7	102.8	43.3	101.9	41.6	97.9	38.7	87.8	24	
28	27.3	82.3	30.9	85.0	33.5	84.5	34.0	81.9	33.9	77.2	32.1	70.0	28	
32	-	-	24.1	69.1	26.6	70.0	27.0	67.1	27.7	63.5	26.8	58.5	32	
36	-	-	19.7	56.1	22.0	57.3	22.5	56.6	23.0	53.7	22.6	51.6	36	
40	-	-	11.1	40.5	18.1	48.6	18.5	48.1	19.0	45.8	18.7	44.5	40	
48	-	-	-	-	13.1	35.4	13.5	35.2	13.9	36.2	13.6	33.7	48	
56	-	-	-	-	9.7	27.5	10.1	28.1	10.4	27.3	10.2	27.7	56	
64	-	-	-	-	-	-	7.5	21.8	7.9	21.9	7.7	21.7	64	
72	-	-	-	-	-	-	-	5.8	6.0	17.7	5.8	17.5	72	
80	-	-	-	-	-	-	-	-	4.7	14.6	4.4	14.3	80	
88	-	-	-	-	-	-	-	-	3.6	12.3	3.1	11.9	88	
96	-	-	-	-	-	-	-	-	-	-	-	10.1	96	
104	-	-	-	-	-	-	-	-	-	-	-	8.5	104	
1)	20.5	34.6	12.3	25.1	8.4	19.4	5.5	15.0	3.5	11.9	-	9.0	1)	




		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	
ft		121.7 ft	121.7 ft	135.2 ft	135.2 ft	148.6 ft	148.6 ft	162.1 ft	162.1 ft	175.5 ft	175.5 ft	196.2 ft	196.2 ft	ft
1,000 lbs														
20	44.3	79.3	-	-	-	-	-	-	-	-	-	-	-	20
24	36.2	75.6	32.9	61.6	-	-	-	-	-	-	-	-	-	24
28	30.1	63.9	27.3	57.5	25.2	48.6	-	-	-	-	-	-	-	28
32	25.3	55.2	22.9	50.3	21.3	45.7	19.9	39.1	-	-	-	-	-	32
36	21.7	46.6	19.6	44.3	18.1	40.6	17.0	36.5	15.2	32.0	-	-	-	36
40	18.3	41.9	16.6	38.5	15.3	37.6	14.5	34.6	12.7	31.4	10.7	23.1	40	
48	13.5	32.7	12.3	31.5	11.2	29.7	10.6	28.0	9.1	25.4	7.2	22.1	48	
56	9.9	26.6	9.2	24.6	8.2	23.2	7.8	22.3	6.2	20.4	4.7	18.1	56	
64	7.5	21.4	6.8	20.2	5.9	18.6	5.5	17.8	4.1	16.0	-	14.2	64	
72	5.6	17.3	4.9	16.4	4.0	15.3	3.8	14.6	2.5	12.8	-	10.9	72	
80	4.2	13.9	3.5	13.2	-	12.4	-	12.0	-	10.5	-	8.7	80	
88	2.9	11.7	-	10.7	-	9.8	-	9.7	-	8.4	-	6.9	88	
96	-	9.8	-	9.1	-	8.0	-	7.8	-	6.7	-	5.1	96	
104	-	8.1	-	7.5	-	6.6	-	6.2	-	5.0	-	3.7	104	
112	-	6.8	-	6.1	-	5.2	-	5.0	-	3.9	-	-	112	
120	-	-	-	4.9	-	4.2	-	4.0	-	2.8	-	-	120	
128	-	-	-	4.0	-	3.2	-	3.1	-	-	-	-	128	
136	-	-	-	-	-	2.4	-	-	-	-	-	-	136	
1)	-	6.6	-	4.0	-	-	-	-	-	-	-	-	-	1)




1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

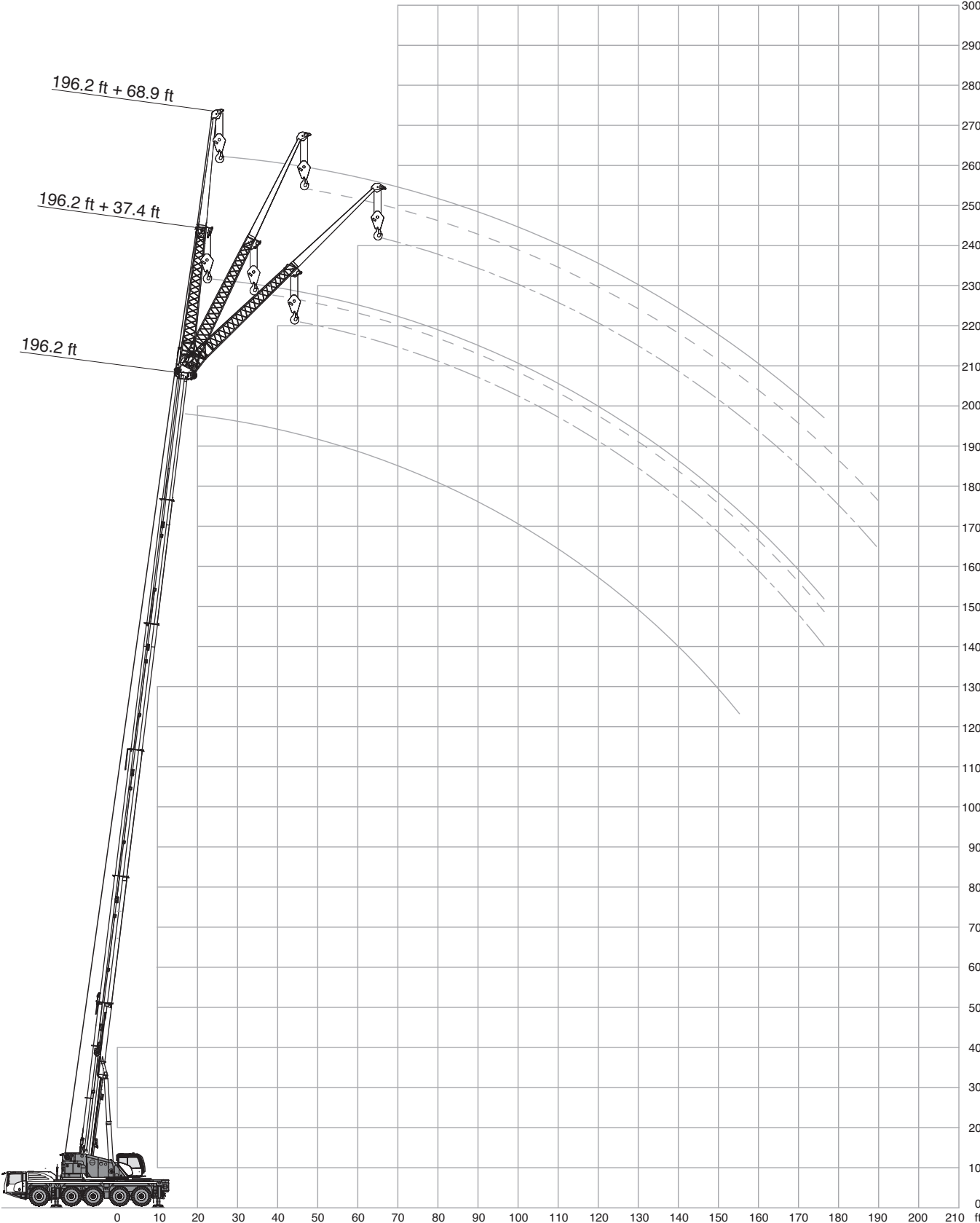
HA

8,200 lbs		25.3 ft x 8.4 ft				360° / Max.*				ASME B30.5				
		360° 41.0 ft	Max. 41.0 ft	360° 54.5 ft	Max. 54.5 ft	360° 67.9 ft	Max. 67.9 ft	360° 81.4 ft	Max. 81.4 ft	360° 94.8 ft	Max. 94.8 ft	360° 108.3 ft	Max. 108.3 ft	
ft	1,000 lbs													ft
10	53.5	200.7	51.4	195.2	48.5	164.8	44.6	103.3	-	-	-	-	-	10
12	41.2	182.6	41.6	177.9	40.1	167.2	37.2	104.7	33.1	75.4	-	-	-	12
14	30.6	166.5	34.2	163.2	33.7	159.0	31.5	106.4	29.3	76.2	-	-	-	14
16	23.5	151.9	27.5	150.8	28.7	146.7	26.9	108.5	25.2	77.2	22.9	59.0	16	
18	18.9	135.5	22.6	136.3	24.6	134.3	23.4	110.8	22.1	76.1	20.1	59.5	18	
20	15.0	119.3	18.3	121.4	20.7	120.6	20.3	110.5	19.3	76.3	17.5	59.5	20	
24	9.8	93.5	13.0	94.3	15.2	89.9	15.6	82.0	15.2	72.9	13.7	59.3	24	
28	6.3	67.4	9.3	71.4	11.4	67.7	11.8	62.3	11.9	58.6	10.7	55.1	28	
32	-	-	6.7	52.8	8.6	53.0	9.1	49.5	9.5	48.9	8.4	45.2	32	
36	-	-	4.6	42.3	6.8	43.0	7.2	42.3	7.6	40.8	6.6	39.2	36	
40	-	-	-	25.6	5.1	35.2	5.5	35.9	6.0	34.9	5.1	33.4	40	
48	-	-	-	-	-	25.1	-	25.2	-	25.6	-	24.7	48	
56	-	-	-	-	-	18.8	-	18.8	-	19.0	-	18.8	56	
64	-	-	-	-	-	-	-	14.9	-	15.3	-	14.6	64	
72	-	-	-	-	-	-	-	12.0	-	12.2	-	11.7	72	
80	-	-	-	-	-	-	-	-	-	10.0	-	9.4	80	
88	-	-	-	-	-	-	-	-	-	8.1	-	7.4	88	
96	-	-	-	-	-	-	-	-	-	-	-	6.1	96	
104	-	-	-	-	-	-	-	-	-	-	-	5.0	104	
1)	3.1	34.6	-	25.1	-	16.5	-	11.9	-	8.4	-	5.5	1)	




		360° 121.7 ft	Max. 121.7 ft	360° 135.2 ft	Max. 135.2 ft	360° 148.6 ft	Max. 148.6 ft	360° 162.1 ft	Max. 162.1 ft	360° 175.5 ft	Max. 175.5 ft	360° 196.2 ft	Max. 196.2 ft	
ft	1,000 lbs													ft
20	16.0	46.8	-	-	-	-	-	-	-	-	-	-	-	20
24	12.5	47.7	10.5	37.6	-	-	-	-	-	-	-	-	-	24
28	9.7	47.7	8.0	38.2	-	30.8	-	-	-	-	-	-	-	28
32	7.5	43.5	5.9	38.9	-	31.2	-	25.1	-	-	-	-	-	32
36	5.8	37.4	4.4	34.4	-	29.6	-	25.5	-	20.1	-	-	-	36
40	4.2	31.5	-	29.1	-	27.2	-	25.3	-	20.2	-	15.3	40	
48	-	23.5	-	21.5	-	20.3	-	19.5	-	17.8	-	15.0	48	
56	-	18.2	-	17.0	-	15.7	-	15.1	-	13.7	-	11.9	56	
64	-	14.4	-	13.4	-	12.3	-	11.8	-	10.4	-	8.6	64	
72	-	11.3	-	10.6	-	9.7	-	9.1	-	7.8	-	6.0	72	
80	-	8.9	-	8.3	-	7.4	-	7.0	-	5.7	-	4.1	80	
88	-	7.2	-	6.3	-	5.4	-	5.4	-	4.1	-	-	88	
96	-	5.7	-	4.9	-	4.1	-	3.9	-	2.6	-	-	96	
104	-	4.4	-	3.7	-	2.8	-	2.8	-	-	-	-	104	
112	-	3.5	-	-	-	-	-	-	-	-	-	-	112	
1)	-	3.3	-	-	-	-	-	-	-	-	-	-	-	1)




1) Capacities with horizontal boom




* Max. values are valid only for specific superstructure positions






Operation

93,000 lbs		25.3 ft x 23.0 ft		360°			ASME B30.5		
 41.0 ft									
  37.4 ft 68.9 ft									
0° 20° 40° 0° 20° 40°									
ft 1,000 lbs									
10	36.6	-	-	22.0	-	-			
12	36.6	-	-	21.8	-	-			
14	36.6	-	-	21.7	-	-			
16	36.6	-	-	21.4	-	-			
18	36.6	-	-	21.2	-	-			
20	36.6	34.6	-	20.9	-	-			
24	36.6	31.9	-	20.4	-	-			
28	36.6	29.5	-	19.7	-	-			
32	35.3	27.5	22.5	18.9	-	-			
36	32.6	25.8	21.5	17.9	-	-			
40	29.9	24.3	20.6	16.8	13.6	-			
48	25.8	21.7	19.3	14.9	12.3	-			
56	22.5	19.9	18.6	13.2	11.2	9.7			
64	19.9	18.9	-	11.7	10.3	9.1			
72	-	-	-	10.6	9.5	8.6			
80	-	-	-	9.8	9.0	8.3			
88	-	-	-	9.1	8.5	8.2			
96	-	-	-	8.5	8.2	-			

 108.3 ft									
  37.4 ft 68.9 ft									
0° 20° 40° 0° 20° 40°									
ft 1,000 lbs									
20	36.6	-	-	-	-	-			
24	36.6	-	-	17.0	-	-			
28	36.6	-	-	16.9	-	-			
32	36.6	-	-	16.6	-	-			
36	36.6	-	-	16.3	-	-			
40	36.5	28.7	-	16.1	-	-			
48	35.0	26.9	21.2	15.6	-	-			
56	31.5	25.0	20.4	15.2	12.7	-			
64	28.4	23.3	19.7	14.7	11.8	-			
72	25.8	21.6	19.2	14.3	11.3	-			
80	23.8	20.3	18.6	13.8	10.7	9.0			
88	22.2	19.3	17.9	13.0	10.2	8.7			
96	20.7	18.3	17.4	12.1	9.6	8.5			
104	18.4	17.5	17.0	11.3	9.3	8.2			
112	16.0	16.6	16.6	10.8	9.0	8.1			
120	14.0	14.5	-	10.0	8.8	7.9			
128	12.7	12.8	-	9.6	8.5	7.9			
136	7.6	7.6	-	9.2	8.2	7.9			
144	-	-	-	8.8	8.2	7.9			
152	-	-	-	8.6	8.2	-			
160	-	-	-	8.0	7.9	-			



 175.5 ft									
  37.4 ft 68.9 ft									
0° 20° 40° 0° 20° 40°									
ft 1,000 lbs									
40	16.1	-	-	-	-	-			
48	16.1	-	-	9.0	-	-			
56	16.1	-	-	9.0	-	-			
64	16.1	16.1	-	9.0	-	-			
72	16.1	16.1	-	9.0	-	-			
80	16.1	16.0	15.5	9.0	9.0	-			
88	15.6	15.1	14.5	9.0	9.0	-			
96	14.7	14.1	13.8	9.0	9.0	-			
104	13.8	13.3	13.1	9.0	9.0	8.2			
112	12.7	12.3	12.3	9.0	9.0	8.1			
120	11.9	11.5	11.5	8.8	8.7	7.9			
128	10.7	10.8	10.8	8.5	8.3	7.8			
136	9.3	9.9	10.1	8.2	7.8	7.6			
144	8.4	8.7	9.1	7.7	7.5	7.3			
152	7.4	7.8	7.9	6.9	7.0	7.0			
160	6.3	6.9	7.2	6.0	6.7	6.5			
168	5.3	5.9	6.1	5.3	5.9	6.1			
176	4.5	5.0	5.0	4.5	5.1	5.6			
184	3.7	4.0	-	3.7	4.5	4.8			
192	-	-	-	-	3.8	4.2			
200	-	-	-	-	3.0	3.4			


 196.2 ft									
  37.4 ft 68.9 ft									
0° 20° 40° 0° 20°* 40°*									
ft 1,000 lbs									
48	11.7	-	-	-	-	-			
56	11.7	-	-	6.6	-	-			
64	11.7	-	-	6.6	-	-			
72	11.7	11.7	-	6.6	-	-			
80	11.7	11.7	11.7	6.6	-	-			
88	11.7	11.7	11.7	6.6	7.1	-			
96	11.7	11.7	11.7	6.6	7.1	-			
104	11.7	11.7	11.7	6.6	7.1	-			
112	11.4	11.4	11.4	6.6	7.1	7.1			
120	10.7	10.8	10.7	6.6	7.1	7.1			
128	10.0	10.0	10.1	6.6	7.1	7.1			
136	8.9	9.4	9.4	6.6	7.1	7.1			
144	7.6	8.4	8.6	6.6	6.8	6.6			
152	6.2	7.1	7.5	6.2	6.5	6.4			
160	5.2	5.8	6.3	5.2	6.1	6.1			
168	4.2	4.8	5.2	4.2	5.6	5.8			
176	3.4	3.9	4.1	3.4	4.7	5.3			
184	-	3.1	3.3	-	3.9	4.5			
192	-	-	-	-	-	3.6			
200	-	-	-	-	-	2.8			


 *191.6 ft

Operation

HAV




69,700 lbs		25.3 ft x 23.0 ft		360°			ASME B30.5						
 41.0 ft					 108.3 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	36.6	-	-	22.0	-	-	20	36.6	-	-	-	-	-
12	36.6	-	-	21.8	-	-	24	36.6	-	-	17.0	-	-
14	36.6	-	-	21.7	-	-	28	36.6	-	-	16.9	-	-
16	36.6	-	-	21.4	-	-	32	36.6	-	-	16.6	-	-
18	36.6	-	-	21.2	-	-	36	36.6	-	-	16.3	-	-
20	36.6	34.6	-	20.9	-	-	40	36.5	28.7	-	16.1	-	-
24	36.6	31.9	-	20.4	-	-	48	35.0	26.9	21.2	15.6	-	-
28	36.6	29.5	-	19.7	-	-	56	31.5	25.0	20.4	15.2	12.7	-
32	35.3	27.5	22.5	18.9	-	-	64	28.4	23.3	19.7	14.7	11.8	-
36	32.6	25.8	21.5	17.9	-	-	72	25.8	21.6	19.2	14.3	11.3	-
40	29.9	24.3	20.6	16.8	13.6	-	80	22.6	20.3	18.6	13.8	10.7	9.0
48	25.8	21.7	19.3	14.9	12.3	-	88	19.6	19.2	17.9	13.0	10.2	8.7
56	22.5	19.9	18.6	13.2	11.2	9.7	96	16.7	17.6	17.2	12.1	9.6	8.5
64	19.9	18.9	-	11.7	10.3	9.1	104	14.7	15.1	15.6	11.3	9.3	8.2
72	-	-	-	10.6	9.5	8.6	112	12.9	13.3	12.7	10.8	9.0	8.1
80	-	-	-	9.8	9.0	8.3	120	11.7	11.9	-	10.0	8.8	7.9
88	-	-	-	9.1	8.5	8.2	128	10.2	10.6	-	9.5	8.5	7.9
96	-	-	-	8.5	8.2	-	136	7.6	7.6	-	8.6	8.2	7.9
							144	-	-	-	7.5	7.9	7.9
							152	-	-	-	7.2	7.1	-
							160	-	-	-	6.4	5.0	-




 175.5 ft						
ft	37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°	40°
1,000 lbs						
40	16.1	-	-	-	-	-
48	16.1	-	-	9.0	-	-
56	16.1	-	-	9.0	-	-
64	16.1	16.1	-	9.0	-	-
72	16.1	16.1	-	9.0	-	-
80	16.1	16.0	15.5	9.0	9.0	-
88	15.6	15.1	14.5	9.0	9.0	-
96	14.5	14.1	13.8	9.0	9.0	-
104	12.4	13.3	13.1	9.0	9.0	8.2
112	10.9	11.6	12.2	9.0	9.0	8.1
120	9.3	10.2	10.4	8.1	8.7	7.9
128	7.7	8.6	9.3	7.3	8.3	7.8
136	6.3	7.1	7.8	6.0	7.4	7.6
144	5.1	6.0	6.5	4.9	6.6	7.3
152	4.1	4.7	5.1	4.1	5.6	6.3
160	3.3	3.9	4.1	3.3	4.5	5.4
168	-	-	-	-	3.5	4.4
176	-	-	-	-	2.6	3.4




 196.2 ft						
ft	37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°*	40°*
1,000 lbs						
48	11.7	-	-	-	-	-
56	11.7	-	-	6.6	-	-
64	11.7	-	-	6.6	-	-
72	11.7	11.7	-	6.6	-	-
80	11.7	11.7	11.7	6.6	7.1	-
88	11.7	11.7	11.7	6.6	7.1	-
96	11.7	11.7	11.7	6.6	7.1	-
104	11.3	11.7	11.7	6.6	7.1	-
112	9.6	10.9	11.4	6.6	7.1	7.1
120	7.8	9.1	10.1	6.5	7.1	7.1
128	6.5	7.6	8.4	5.6	6.6	7.1
136	5.3	6.3	6.9	4.4	5.6	7.1
144	4.0	4.9	5.6	3.4	4.5	6.6
152	3.2	3.8	4.3	-	3.7	6.0
160	-	2.8	3.3	-	-	4.7
168	-	-	-	-	-	3.7
176	-	-	-	-	-	2.8




 *191.6 ft

Operation

57,800 lbs		25.3 ft x 23.0 ft		360°			ASME B30.5		
 41.0 ft									
  37.4 ft 68.9 ft									
ft 0° 20° 40° 0° 20° 40°									
1,000 lbs									
10	36.6	-	-	22.0	-	-			
12	36.6	-	-	21.8	-	-			
14	36.6	-	-	21.7	-	-			
16	36.6	-	-	21.4	-	-			
18	36.6	-	-	21.2	-	-			
20	36.6	34.6	-	20.9	-	-			
24	36.6	31.9	-	20.4	-	-			
28	36.6	29.5	-	19.7	-	-			
32	35.3	27.5	22.5	18.9	-	-			
36	32.6	25.8	21.5	17.9	-	-			
40	29.9	24.3	20.6	16.8	13.6	-			
48	25.8	21.7	19.3	14.9	12.3	-			
56	22.5	19.9	18.6	13.2	11.2	9.7			
64	19.9	18.9	-	11.7	10.3	9.1			
72	-	-	-	10.6	9.5	8.6			
80	-	-	-	9.8	9.0	8.3			
88	-	-	-	9.1	8.5	8.2			
96	-	-	-	8.5	8.2	-			

 108.3 ft									
  37.4 ft 68.9 ft									
ft 0° 20° 40° 0° 20° 40°									
1,000 lbs									
20	36.6	-	-	-	-	-			
24	36.6	-	-	17.0	-	-			
28	36.6	-	-	16.9	-	-			
32	36.6	-	-	16.6	-	-			
36	36.6	-	-	16.3	-	-			
40	36.5	28.7	-	16.1	-	-			
48	35.0	26.9	21.2	15.6	-	-			
56	31.5	25.0	20.4	15.2	12.7	-			
64	28.0	23.3	19.7	14.7	11.8	-			
72	23.7	21.6	19.2	14.3	11.3	-			
80	19.8	20.0	18.6	13.8	10.7	9.0			
88	17.1	17.7	17.6	13.0	10.2	8.7			
96	15.0	15.3	15.6	12.1	9.6	8.5			
104	13.1	13.3	13.5	11.3	9.3	8.2			
112	11.2	11.8	10.2	10.5	9.0	8.1			
120	9.7	10.0	-	9.3	8.8	7.9			
128	8.9	9.0	-	8.5	8.5	7.9			
136	7.6	7.6	-	7.4	7.6	7.9			
144	-	-	-	6.4	7.1	7.3			
152	-	-	-	5.9	6.1	-			
160	-	-	-	5.3	4.8	-			

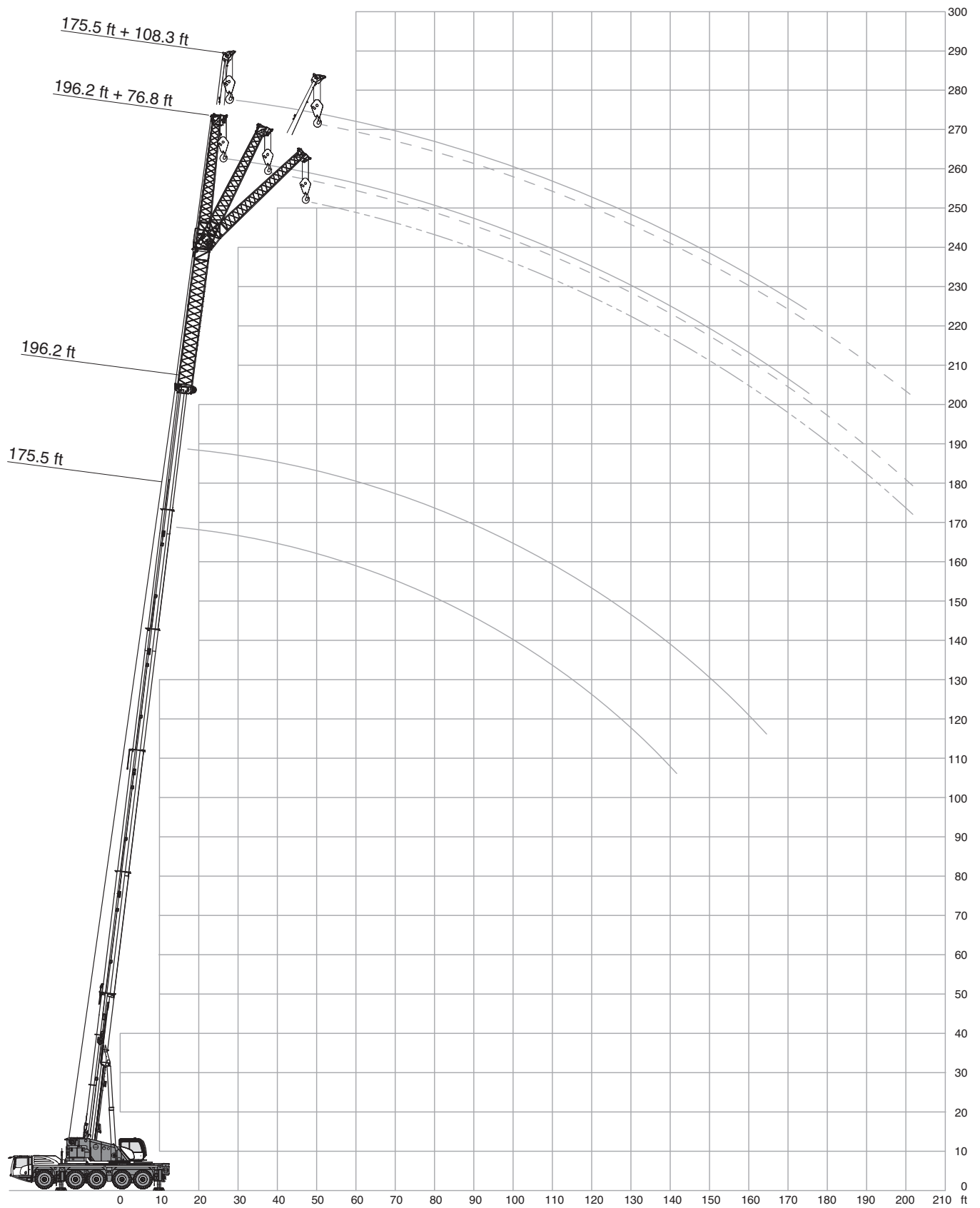
 175.5 ft									
  37.4 ft 68.9 ft									
ft 0° 20° 40° 0° 20° 40°									
1,000 lbs									
40	16.1	-	-	-	-	-			
48	16.1	-	-	9.0	-	-			
56	16.1	-	-	9.0	-	-			
64	16.1	16.1	-	9.0	-	-			
72	16.1	16.1	-	9.0	-	-			
80	15.9	16.0	15.5	9.0	9.0	-			
88	14.1	15.1	14.5	9.0	9.0	-			
96	12.3	13.3	13.8	9.0	9.0	-			
104	10.2	11.5	12.2	8.5	9.0	8.2			
112	8.5	9.6	10.7	7.4	9.0	8.1			
120	7.0	8.0	8.8	6.1	7.8	7.9			
128	5.6	6.5	7.2	4.8	6.8	7.7			
136	4.4	5.2	5.8	3.9	5.6	6.9			
144	3.4	4.0	4.5	2.9	4.5	6.0			
152	-	3.0	3.4	-	3.6	4.7			
160	-	-	-	-	2.8	3.7			

 196.2 ft									
  37.4 ft 68.9 ft									
ft 0° 20° 40° 0° 20°* 40°*									
1,000 lbs									
48	11.7	-	-	-	-	-			
56	11.7	-	-	6.6	-	-			
64	11.7	-	-	6.6	-	-			
72	11.7	11.7	-	6.6	-	-			
80	11.7	11.7	11.7	6.6	-	-			
88	11.7	11.7	11.7	6.6	7.1	-			
96	10.6	11.5	11.7	6.6	7.1	-			
104	8.4	10.0	11.1	6.6	7.1	-			
112	6.8	8.3	9.4	5.9	7.1	7.1			
120	5.4	6.7	7.8	4.4	6.9	7.1			
128	4.2	5.3	6.3	3.3	5.8	7.1			
136	3.1	4.2	4.9	-	4.7	6.3			
144	-	3.1	3.8	-	3.6	5.1			
152	-	-	-	-	-	4.0			
160	-	-	-	-	-	3.1			

 *191.6 ft

Operation

HAV-VA



Operation

HAV-VA

93,000 lbs		25.3 ft x 23.0 ft		360°		ASME B30.5							
41.0 ft				108.3 ft									
ft	76.8 ft			108.3 ft			ft	76.8 ft			108.3 ft		
	0°	20°	40°	0°	20°	40°		0°	20°	40°	0°	20°	40°
1,000 lbs													
14	36.6	-	-	-	-	-	32	22.3	-	-	-	-	-
16	36.6	-	-	-	-	-	36	22.2	-	-	12.1	-	-
18	35.7	-	-	-	-	-	40	22.0	-	-	12.1	-	-
20	34.6	-	-	17.0	-	-	48	21.3	19.0	-	12.1	-	-
24	31.6	-	-	16.7	-	-	56	19.9	17.4	-	11.8	-	-
28	28.6	-	-	16.4	-	-	64	18.4	15.9	14.3	11.5	-	-
32	25.7	22.3	-	16.1	-	-	72	17.0	14.6	13.5	11.0	10.2	-
36	23.5	20.5	-	15.9	-	-	80	15.4	13.7	12.5	10.5	9.4	-
40	21.5	19.0	17.5	15.5	-	-	88	14.2	12.7	11.9	10.0	8.8	-
48	18.0	16.4	15.4	14.1	13.0	-	96	13.1	11.9	11.2	9.3	8.1	-
56	15.4	14.4	13.6	12.5	11.4	-	104	12.2	11.1	10.6	8.7	7.6	-
64	13.6	12.8	12.2	11.1	10.1	-	112	11.4	10.6	10.1	8.1	7.0	-
72	12.2	11.5	11.0	9.7	9.1	-	120	10.7	10.0	9.6	7.6	6.7	-
80	10.9	10.4	10.2	8.7	8.0	-	128	10.0	9.5	9.3	7.1	6.3	-
88	9.8	9.4	9.4	7.9	7.3	-	136	9.4	8.9	8.9	6.7	6.0	-
96	8.8	8.8	-	7.1	6.6	-	144	8.8	8.6	8.6	6.2	5.5	-
104	8.2	8.0	-	6.3	6.0	-	152	8.3	8.1	4.4	5.9	5.3	-
112	-	-	-	5.7	5.5	-	160	7.7	7.6	-	5.4	5.0	-
120	-	-	-	5.2	5.2	-	168	3.7	3.6	-	5.2	4.8	-
128	-	-	-	4.8	4.7	-	176	3.5	3.3	-	4.9	4.6	-
136	-	-	-	4.5	-	-	184	-	-	-	4.7	4.5	-
							192	-	-	-	4.4	-	-
							200	-	-	-	3.6	-	-

175.5 ft				108.3 ft						
ft	76.8 ft			108.3 ft			ft	76.8 ft		
	0°	20°	40°	0°	20°	40°		0°	20°*	40°*
1,000 lbs										
56	8.8	-	-	-	-	-	64	6.0	-	-
64	8.8	-	-	4.9	-	-	72	6.0	-	-
72	8.8	-	-	4.9	-	-	80	6.0	6.4	-
80	8.8	8.8	7.7	4.9	-	-	88	6.0	6.4	6.1
88	8.8	8.8	7.5	4.9	-	-	96	6.0	6.4	6.0
96	8.8	8.8	7.4	4.9	4.9	-	104	6.0	6.4	6.0
104	8.8	8.8	7.3	4.9	4.9	-	112	6.0	6.4	5.7
112	8.8	8.6	7.0	4.9	4.9	-	120	6.0	6.4	5.7
120	8.3	8.0	6.8	4.9	4.9	-	128	6.0	6.4	5.6
128	7.7	7.6	6.7	4.9	4.9	-	136	6.0	6.4	5.5
136	7.3	7.2	6.6	4.9	4.9	-	144	6.0	6.2	5.5
144	6.9	6.8	6.4	4.9	4.9	-	152	5.6	5.7	5.5
152	6.3	6.3	6.3	4.6	4.6	-	160	4.6	5.3	5.3
160	5.4	5.8	5.9	4.3	4.3	-	168	3.8	4.7	5.0
168	4.7	5.0	5.3	3.9	4.1	-	176	3.0	3.9	4.3
176	4.1	4.5	4.5	3.2	3.8	-	184	-	3.1	3.4
184	3.3	3.7	3.8	-	3.3	-				

196.2 ft							
ft	76.8 ft			ft	76.8 ft		
	0°	20°*	40°*		0°	20°*	40°*
1,000 lbs							
64	6.0	-	-	64	6.0	-	-
72	6.0	-	-	72	6.0	-	-
80	6.0	6.4	-	80	6.0	6.4	-
88	6.0	6.4	6.1	88	6.0	6.4	6.1
96	6.0	6.4	6.0	96	6.0	6.4	6.0
104	6.0	6.4	6.0	104	6.0	6.4	6.0
112	6.0	6.4	5.7	112	6.0	6.4	5.7
120	6.0	6.4	5.7	120	6.0	6.4	5.7
128	6.0	6.4	5.6	128	6.0	6.4	5.6
136	6.0	6.4	5.5	136	6.0	6.4	5.5
144	6.0	6.2	5.5	144	6.0	6.2	5.5
152	5.6	5.7	5.5	152	5.6	5.7	5.5
160	4.6	5.3	5.3	160	4.6	5.3	5.3
168	3.8	4.7	5.0	168	3.8	4.7	5.0
176	3.0	3.9	4.3	176	3.0	3.9	4.3
184	-	3.1	3.4	184	-	3.1	3.4

 *191.6 ft

Operation

HAV-VA

69,700 lbs		25.3 ft x 23.0 ft		360°		ASME B30.5	
41.0 ft				108.3 ft			
		76.8 ft			108.3 ft		
		0°	20°	40°	0°	20°	40°
ft	1,000 lbs						
14	36.6	-	-	-	-	-	-
16	36.6	-	-	-	-	-	-
18	35.7	-	-	-	-	-	-
20	34.6	-	-	17.0	-	-	-
24	31.6	-	-	16.7	-	-	-
28	28.6	-	-	16.4	-	-	-
32	25.7	22.3	-	16.1	-	-	-
36	23.5	20.5	-	15.9	-	-	-
40	21.5	19.0	17.5	15.5	-	-	-
48	18.0	16.4	15.4	14.1	13.0	-	-
56	15.4	14.4	13.6	12.5	11.4	-	-
64	13.6	12.8	12.2	11.1	10.1	-	-
72	12.2	11.5	11.0	9.7	9.1	-	-
80	10.9	10.4	10.2	8.7	8.0	-	-
88	9.8	9.4	9.4	7.9	7.3	-	-
96	8.8	8.8	-	7.1	6.6	-	-
104	8.2	8.0	-	6.3	6.0	-	-
112	-	-	-	5.7	5.5	-	-
120	-	-	-	5.2	5.2	-	-
128	-	-	-	4.8	4.7	-	-
136	-	-	-	4.5	-	-	-

		76.8 ft			108.3 ft		
		0°	20°	40°	0°	20°	40°
ft	1,000 lbs						
32	22.3	-	-	-	-	-	-
36	22.2	-	-	12.1	-	-	-
40	22.0	-	-	12.1	-	-	-
48	21.3	19.0	-	12.1	-	-	-
56	19.9	17.4	-	11.8	-	-	-
64	18.4	15.9	14.3	11.5	-	-	-
72	17.0	14.6	13.5	11.0	10.2	-	-
80	15.4	13.7	12.5	10.5	9.4	-	-
88	14.2	12.7	11.9	10.0	8.8	-	-
96	13.1	11.9	11.2	9.3	8.1	-	-
104	12.2	11.1	10.6	8.7	7.6	-	-
112	11.4	10.6	10.1	8.1	7.0	-	-
120	10.5	10.0	9.6	7.6	6.7	-	-
128	9.3	9.5	9.3	7.1	6.3	-	-
136	8.1	8.5	8.7	6.7	6.0	-	-
144	7.1	7.5	7.6	6.2	5.5	-	-
152	6.1	6.5	4.4	5.7	5.3	-	-
160	5.7	5.8	-	5.1	5.0	-	-
168	3.7	3.6	-	4.5	4.7	-	-
176	3.5	3.3	-	3.6	4.2	-	-
184	-	-	-	3.2	3.5	-	-
192	-	-	-	2.8	-	-	-
200	-	-	-	2.4	-	-	-





175.5 ft				108.3 ft			
		0°	20°	40°	0°	20°	40°
ft	1,000 lbs						
56	8.8	-	-	-	-	-	-
64	8.8	-	-	4.9	-	-	-
72	8.8	-	-	4.9	-	-	-
80	8.8	8.8	7.7	4.9	-	-	-
88	8.8	8.8	7.5	4.9	-	-	-
96	8.8	8.8	7.4	4.9	4.9	-	-
104	8.8	8.8	7.3	4.9	4.9	-	-
112	8.8	8.6	7.0	4.9	4.9	-	-
120	7.6	8.0	6.8	4.9	4.9	-	-
128	6.7	7.3	6.7	4.7	4.9	-	-
136	5.5	6.4	6.6	4.0	4.9	-	-
144	4.5	5.3	6.0	2.9	4.9	-	-
152	3.6	4.5	5.1	-	3.8	-	-
160	2.7	3.5	4.1	-	2.8	-	-




196.2 ft				76.8 ft		
		0°	20°*	40°*		
ft	1,000 lbs					
64	6.0	-	-	-	-	-
72	6.0	-	-	-	-	-
80	6.0	6.4	-	-	-	-
88	6.0	6.4	6.1	-	-	-
96	6.0	6.4	6.0	-	-	-
104	6.0	6.4	6.0	-	-	-
112	6.0	6.4	5.7	-	-	-
120	5.8	6.4	5.7	-	-	-
128	5.1	6.3	5.6	-	-	-
136	4.0	5.5	5.5	-	-	-
144	2.9	4.5	5.1	-	-	-
152	-	3.4	4.1	-	-	-
160	-	-	3.2	-	-	-




 *191.6 ft

Operation

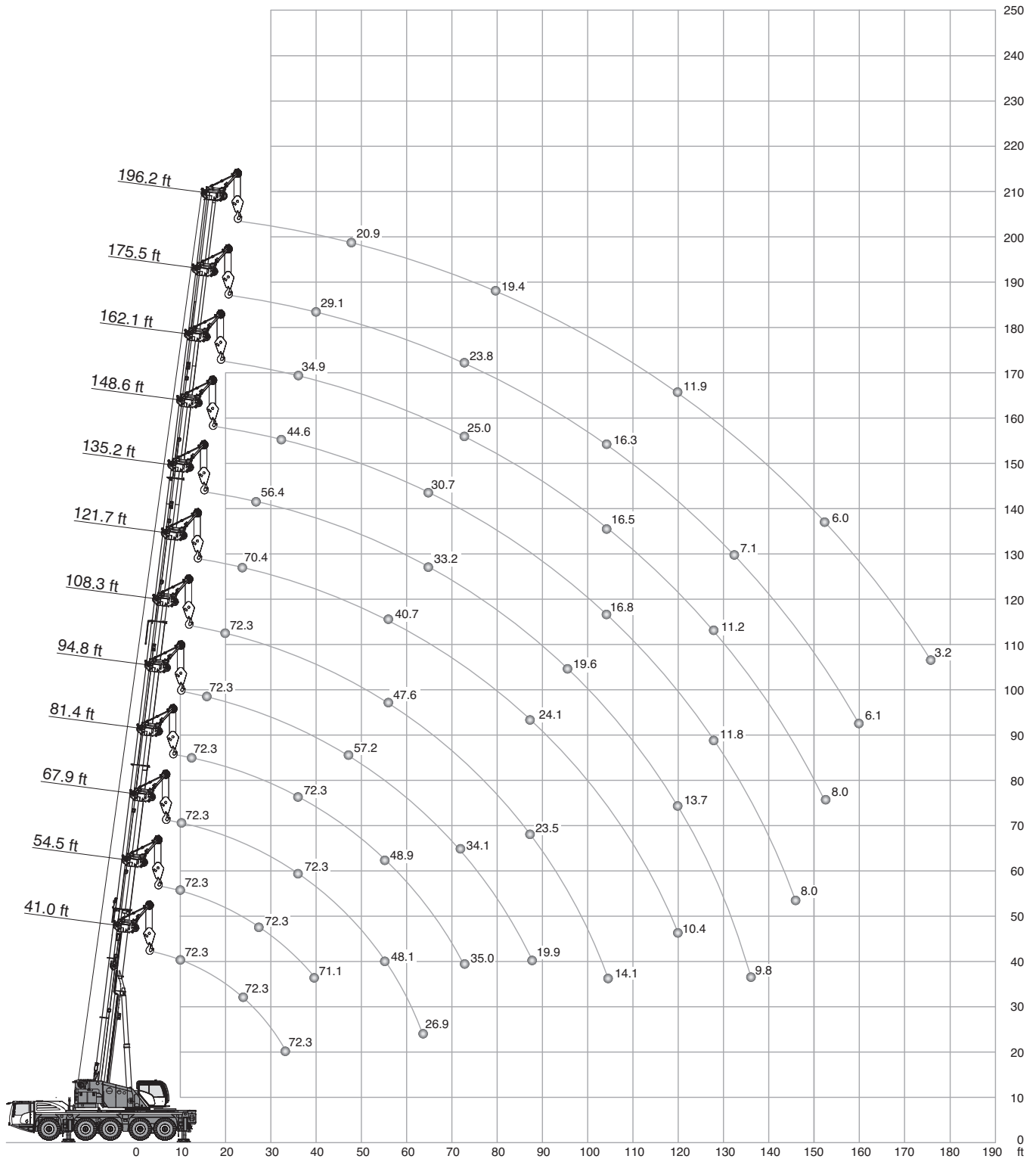
HAV-VA

57,800 lbs		25.3 ft x 23.0 ft		360°			ASME B30.5		
 41.0 ft					 108.3 ft				
		76.8 ft			108.3 ft				
		0°	20°	40°	0°	20°	40°		
ft		1,000 lbs							
14	36.6	-	-	-	-	-	-		
16	36.6	-	-	-	-	-	-		
18	35.7	-	-	-	-	-	-		
20	34.6	-	-	-	17.0	-	-		
24	31.6	-	-	-	16.7	-	-		
28	28.6	-	-	-	16.4	-	-		
32	25.7	22.3	-	-	16.1	-	-		
36	23.5	20.5	-	-	15.9	-	-		
40	21.5	19.0	17.5	-	15.5	-	-		
48	18.0	16.4	15.4	-	14.1	13.0	-		
56	15.4	14.4	13.6	-	12.5	11.4	-		
64	13.6	12.8	12.2	-	11.1	10.1	-		
72	12.2	11.5	11.0	-	9.7	9.1	-		
80	10.9	10.4	10.2	-	8.7	8.0	-		
88	9.8	9.4	9.4	-	7.9	7.3	-		
96	8.8	8.8	-	-	7.1	6.6	-		
104	8.2	8.0	-	-	6.3	6.0	-		
112	-	-	-	-	5.7	5.5	-		
120	-	-	-	-	5.2	5.2	-		
128	-	-	-	-	4.8	4.7	-		
136	-	-	-	-	4.5	-	-		

 175.5 ft							
		76.8 ft		108.3 ft			
		0°	20°	40°	0°	20°	40°
ft		1,000 lbs					
56	8.8	-	-	-	-	-	-
64	8.8	-	-	-	4.9	-	-
72	8.8	-	-	-	4.9	-	-
80	8.8	8.8	7.7	-	4.9	-	-
88	8.8	8.8	7.5	-	4.9	-	-
96	8.8	8.8	7.4	-	4.9	4.9	-
104	8.1	8.8	7.3	-	4.9	4.9	-
112	7.0	7.8	7.0	-	4.8	4.9	-
120	5.6	6.7	6.8	-	3.9	4.9	-
128	4.4	5.5	6.2	-	2.9	4.6	-
136	3.3	4.4	5.2	-	-	3.8	-
144	2.5	3.4	4.2	-	-	2.7	-
152	-	-	3.2	-	-	-	-

 196.2 ft				
		76.8 ft		
		0°	20°*	40°**
ft		1,000 lbs		
64	6.0	-	-	-
72	6.0	-	-	-
80	6.0	6.4	-	-
88	6.0	6.4	6.1	-
96	6.0	6.4	6.0	-
104	6.0	6.4	6.0	-
112	5.2	6.4	5.7	-
120	3.9	5.6	5.7	-
128	2.9	4.4	5.3	-
136	-	3.3	4.2	-
144	-	2.3	3.1	-

 *191.6 ft



Operation

93,000 lbs		25.3 ft x 23.0 ft											360°		ASME B30.5	
41.0 ft		54.5 ft	67.9 ft	81.4 ft	94.8 ft	108.3 ft	121.7 ft	135.2 ft	148.6 ft	162.1 ft	175.5 ft	196.2 ft				
ft	1,000 lbs												ft			
10	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	-	10		
12	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	12		
14	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	14		
16	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	16		
18	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	18		
20	72.3	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	20		
24	72.3	72.3	72.3	72.3	72.3	72.3	70.4	-	-	-	-	-	-	24		
28	72.3	72.3	72.3	72.3	72.3	72.3	68.2	56.4	-	-	-	-	-	28		
32	72.3	72.3	72.3	72.3	72.3	72.3	64.4	54.9	44.6	-	-	-	-	32		
36	-	72.3	72.3	72.3	71.8	69.7	60.1	52.1	43.8	34.9	-	-	-	36		
40	-	71.1	71.2	71.2	70.1	66.4	55.8	49.1	42.7	34.7	29.1	-	-	40		
48	-	-	58.2	57.8	57.2	57.6	47.9	43.3	38.6	33.1	28.6	20.9	-	48		
56	-	-	48.1	48.9	48.9	47.6	40.7	38.0	34.5	30.6	27.3	20.9	56			
64	-	-	26.9	41.6	40.8	39.3	35.5	33.2	30.7	27.9	25.5	20.8	64			
72	-	-	-	35.0	34.1	32.3	31.6	29.0	27.2	25.0	23.8	20.5	72			
80	-	-	-	-	28.8	27.3	27.5	25.5	24.0	22.5	21.7	19.4	80			
88	-	-	-	-	19.9	23.5	24.1	22.5	21.4	20.2	19.9	18.0	88			
96	-	-	-	-	-	21.7	20.7	19.6	19.0	18.2	18.0	16.4	96			
104	-	-	-	-	-	14.1	17.8	18.1	16.8	16.5	16.3	14.9	104			
112	-	-	-	-	-	-	15.2	15.8	14.7	14.9	14.2	13.4	112			
120	-	-	-	-	-	-	10.4	13.7	13.5	13.0	12.5	11.9	120			
128	-	-	-	-	-	-	-	11.1	11.8	11.2	11.2	10.1	128			
136	-	-	-	-	-	-	-	9.8	10.7	9.6	9.8	8.7	136			
144	-	-	-	-	-	-	-	-	8.0	8.8	8.2	7.3	144			
152	-	-	-	-	-	-	-	-	-	8.0	7.1	6.0	152			
160	-	-	-	-	-	-	-	-	-	-	6.1	5.0	160			
168	-	-	-	-	-	-	-	-	-	-	-	4.0	168			
176	-	-	-	-	-	-	-	-	-	-	-	3.2	176			
1)	29.8	22.0	17.0	13.2	10.4	7.7	5.7	3.5	-	-	-	-	1)			

1) Capacities with horizontal boom

Operation

MS

69,700 lbs		25.3 ft x 23.0 ft											360°		ASME B30.5	
41.0 ft		54.5 ft	67.9 ft	81.4 ft	94.8 ft	108.3 ft	121.7 ft	135.2 ft	148.6 ft	162.1 ft	175.5 ft	196.2 ft				
ft	1,000 lbs												ft			
10	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	-	10		
12	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	12		
14	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	14		
16	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	16		
18	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	18		
20	72.3	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	20		
24	72.3	72.3	72.3	72.3	72.3	72.3	70.4	-	-	-	-	-	-	24		
28	72.3	72.3	72.3	72.3	72.3	72.3	68.2	56.4	-	-	-	-	-	28		
32	72.3	72.3	72.3	72.3	72.3	72.3	64.4	54.9	44.6	-	-	-	-	32		
36	-	70.3	70.4	70.1	69.4	69.7	60.1	52.1	43.8	34.9	-	-	-	36		
40	-	66.9	67.1	66.4	65.0	65.8	55.8	49.1	42.7	34.7	29.1	-	-	40		
48	-	-	51.9	52.7	52.4	50.7	47.5	43.3	38.6	33.1	28.6	20.9	-	48		
56	-	-	42.1	42.0	41.0	39.3	38.8	36.9	34.5	30.6	27.3	20.9	56			
64	-	-	24.8	33.9	32.8	31.8	31.8	30.6	29.7	27.9	25.5	20.8	64			
72	-	-	-	27.9	27.0	27.8	26.4	25.0	25.4	24.8	23.8	20.5	72			
80	-	-	-	-	23.1	23.4	21.9	22.3	21.2	21.4	21.0	19.4	80			
88	-	-	-	-	16.0	19.9	19.5	18.8	18.5	18.3	17.8	17.2	88			
96	-	-	-	-	-	17.1	17.3	15.8	16.3	15.4	15.2	14.1	96			
104	-	-	-	-	-	13.5	14.8	14.5	14.0	13.9	12.6	11.7	104			
112	-	-	-	-	-	-	11.2	12.5	11.8	11.8	10.7	9.6	112			
120	-	-	-	-	-	-	10.4	10.9	10.0	10.0	8.9	7.8	120			
128	-	-	-	-	-	-	-	9.4	8.5	8.5	7.4	6.3	128			
136	-	-	-	-	-	-	-	8.2	7.3	7.1	6.0	4.9	136			
144	-	-	-	-	-	-	-	-	5.6	6.0	4.9	3.8	144			
152	-	-	-	-	-	-	-	-	-	5.0	3.9	-	152			
160	-	-	-	-	-	-	-	-	-	-	3.1	-	160			
1)	29.8	22.0	17.0	13.2	10.4	7.7	5.7	3.5	-	-	-	-	1)			

1) Capacities with horizontal boom

Operation

57,800 lbs		25.3 ft x 23.0 ft		360°		ASME B30.5							
ft	41.0 ft	54.5 ft	67.9 ft	81.4 ft	94.8 ft	108.3 ft	121.7 ft	135.2 ft	148.6 ft	162.1 ft	175.5 ft	196.2 ft	ft
1,000 lbs													
10	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	10
12	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	12
14	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	14
16	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	16
18	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	18
20	72.3	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	20
24	72.3	72.3	72.3	72.3	72.3	72.3	70.4	-	-	-	-	-	24
28	72.3	72.3	72.3	72.3	72.3	72.3	68.2	56.4	-	-	-	-	28
32	72.3	72.3	72.3	72.3	72.3	72.3	64.4	54.9	44.6	-	-	-	32
36	-	67.6	67.7	67.2	66.8	66.7	60.1	52.1	43.8	34.9	-	-	36
40	-	61.2	61.5	60.4	62.1	59.6	55.5	49.1	42.7	34.7	29.1	-	40
48	-	-	47.4	47.2	46.1	44.3	43.9	42.1	38.5	33.1	28.6	20.9	48
56	-	-	36.8	36.8	35.7	35.0	34.8	33.7	32.5	30.6	27.3	20.9	56
64	-	-	23.6	29.4	28.4	29.3	28.0	27.5	27.0	26.1	25.5	20.8	64
72	-	-	-	24.1	25.0	24.1	23.4	23.0	22.8	22.4	21.7	20.5	72
80	-	-	-	-	21.1	20.0	20.4	19.1	19.5	18.8	18.4	17.1	80
88	-	-	-	-	14.2	17.5	17.2	17.0	16.2	16.2	15.1	13.9	88
96	-	-	-	-	-	15.5	14.5	14.3	13.5	13.5	12.4	11.3	96
104	-	-	-	-	-	13.4	12.8	12.2	11.3	11.3	10.2	9.1	104
112	-	-	-	-	-	-	11.1	10.3	9.4	9.4	8.3	7.2	112
120	-	-	-	-	-	-	9.4	8.7	7.8	7.8	6.7	5.6	120
128	-	-	-	-	-	-	-	7.3	6.5	6.4	5.3	4.2	128
136	-	-	-	-	-	-	-	6.2	5.3	5.2	4.0	2.9	136
144	-	-	-	-	-	-	-	-	3.6	4.2	3.1	-	144
152	-	-	-	-	-	-	-	-	-	3.2	-	-	152
1)	29.8	22.0	17.0	13.2	10.4	7.7	5.7	3.5	-	-	-	-	1)

1) Capacities with horizontal boom

Operation

MS

☰ 23,600 lbs		📏 25.3 ft x 23.0 ft		360°		ASME B30.5								
📏	📏	41.0 ft	54.5 ft	67.9 ft	81.4 ft	94.8 ft	108.3 ft	121.7 ft	135.2 ft	148.6 ft	162.1 ft	175.5 ft	196.2 ft	📏
ft	1,000 lbs												ft	
10	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	-	10
12	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	12
14	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	14
16	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	16
18	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	18
20	72.3	72.3	72.3	72.3	72.3	72.3	68.3	-	-	-	-	-	-	20
24	72.3	72.3	72.3	72.3	72.3	72.3	71.3	58.7	-	-	-	-	-	24
28	68.5	70.0	70.1	69.7	67.4	63.8	50.8	53.4	-	-	-	-	-	28
32	56.1	58.6	59.7	60.1	56.4	53.0	43.4	46.5	42.4	-	-	-	-	32
36	-	48.4	50.2	49.9	47.6	46.1	38.3	40.8	37.6	33.1	-	-	-	36
40	-	39.8	40.9	40.7	40.5	40.5	30.0	35.9	34.7	32.6	28.7	-	-	40
48	-	-	30.0	31.0	30.7	29.8	23.4	29.1	27.4	26.2	23.8	20.1	-	48
56	-	-	23.5	24.0	23.7	23.7	18.3	22.5	21.2	20.5	18.4	16.3	-	56
64	-	-	18.3	18.8	18.9	18.8	14.4	17.7	16.5	16.0	14.2	12.1	-	64
72	-	-	-	15.1	15.3	14.9	11.5	13.8	12.6	12.4	10.7	8.7	-	72
80	-	-	-	-	12.4	12.0	9.1	10.6	9.8	9.8	8.0	6.3	-	80
88	-	-	-	-	10.1	9.6	7.2	8.3	7.4	7.4	5.8	4.2	-	88
96	-	-	-	-	-	7.6	5.7	6.4	5.6	5.4	4.2	-	-	96
104	-	-	-	-	-	6.1	4.3	4.8	3.9	3.9	2.8	-	-	104
112	-	-	-	-	-	-	3.3	3.5	-	-	-	-	-	112
120	-	-	-	-	-	-	-	-	-	-	-	-	-	120
1)	29.8	22.0	17.0	12.3	8.8	5.7	3.5	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

Operation

MS

19,000 lbs		25.3 ft x 23.0 ft		360°		ASME B30.5							
ft	41.0 ft	54.5 ft	67.9 ft	81.4 ft	94.8 ft	108.3 ft	121.7 ft	135.2 ft	148.6 ft	162.1 ft	175.5 ft	196.2 ft	ft
		1,000 lbs											
10	72.3	72.3	72.3	-	-	-	-	-	-	-	-	-	10
12	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	12
14	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	-	14
16	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	16
18	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	-	18
20	72.3	72.3	72.3	72.3	72.3	72.3	-	-	-	-	-	-	20
24	72.3	72.3	72.3	72.3	71.3	69.9	66.4	-	-	-	-	-	24
28	66.0	67.4	67.5	67.2	63.5	59.4	56.0	50.3	-	-	-	-	28
32	51.9	54.4	56.7	56.0	52.3	50.1	47.0	44.7	40.4	-	-	-	32
36	-	45.4	46.6	46.4	44.2	43.9	40.8	38.8	35.9	31.7	-	-	36
40	-	36.8	37.9	37.7	39.0	37.3	36.1	35.0	32.6	29.8	27.6	-	40
48	-	-	28.2	29.0	28.4	28.6	28.4	26.6	24.8	23.8	21.5	19.1	48
56	-	-	21.6	22.0	22.1	22.0	21.6	20.6	19.0	18.4	16.3	14.2	56
64	-	-	16.7	17.2	17.4	17.2	16.7	15.9	14.9	14.2	12.2	10.2	64
72	-	-	-	13.5	13.7	13.3	12.9	12.2	11.1	10.9	8.9	7.1	72
80	-	-	-	-	11.1	10.6	10.2	9.3	8.4	8.3	6.5	4.7	80
88	-	-	-	-	8.8	8.4	8.0	7.1	6.2	6.2	4.5	-	88
96	-	-	-	-	-	6.5	6.1	5.3	4.5	4.5	2.9	-	96
104	-	-	-	-	-	5.0	4.6	3.7	3.0	2.8	-	-	104
112	-	-	-	-	-	-	3.5	-	-	-	-	-	112
1)	29.8	22.0	16.1	11.0	7.7	4.9	2.6	-	-	-	-	-	1)

1) Capacities with horizontal boom

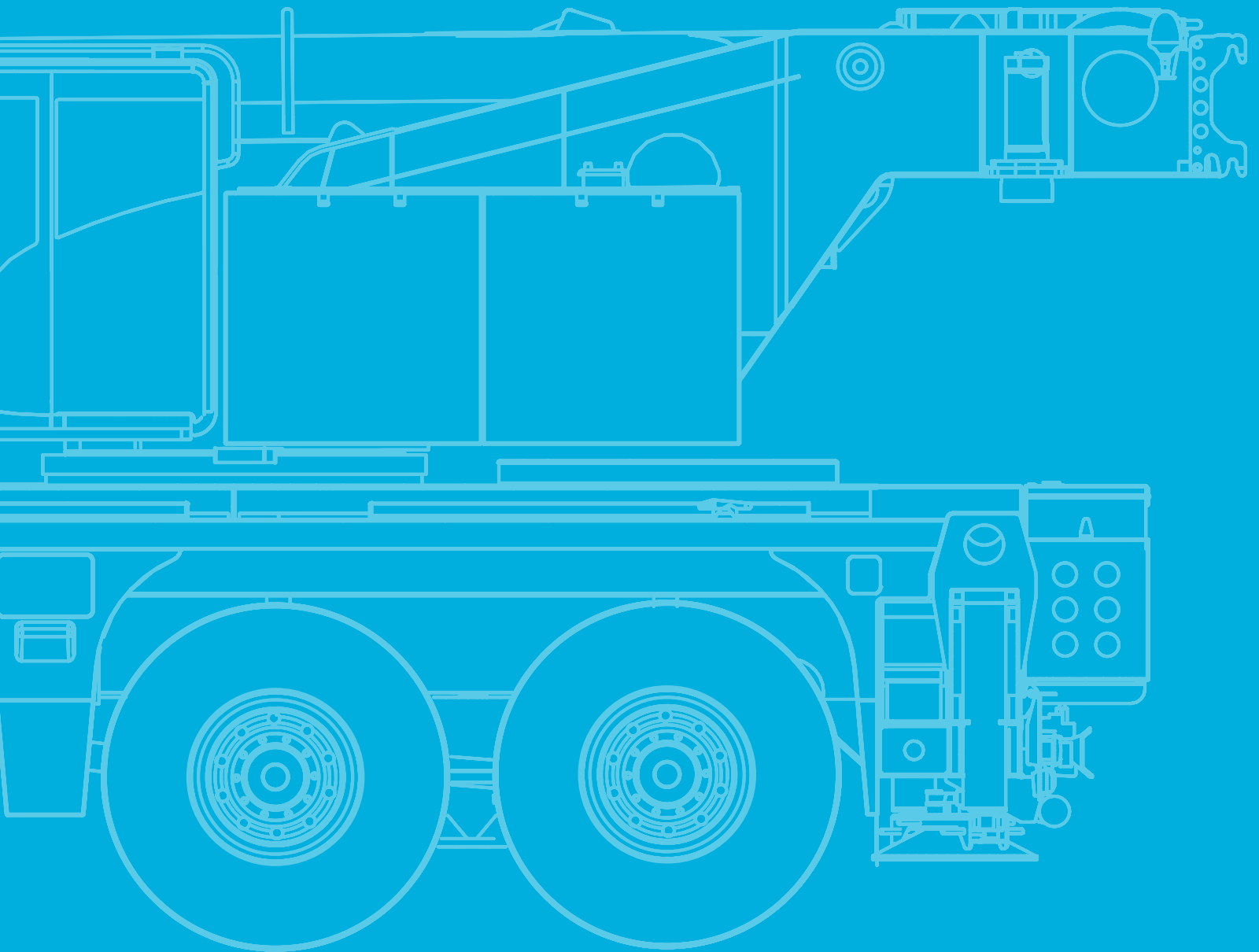
Notes to Lifting Capacity

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 405-5	Scania DC13; Diesel engine; 405 kW / 2100 1/min (550 HP), torque 2476 Nm / 1400 1/min; The engine complies with EU Stage V; Exhaust system complete stainless steel.
Fuel tank	127 gallons Diesel (no RME / biodiesel); 16 gallons AdBlue tank.
Transmission ZF TraXon	Automated gearbox with integrated hydraulic retarder, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable longitudinal lock.
Axles 10 x 6 x 10	All 5 axles steered, axles 2, 4, 5 are driven and dispose of a selectable transverse lock; Axle 4 with selectable longitudinal lock.
Suspension	Hydropneumatic suspension with axle load compensation; Hydraulically lockable.
Steering	Dual-circuit steering system with independent rear axle steering; Axles 1, 2, 3 mechanically connected; Axles 4 and 5 electro-hydraulically connected, all axles steered with 6 different steering programs.
Brakes	Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Hydraulic retarder integrated into transmission as wear-free sustained-action brake; Additional exhaust brake; Parking brake.
Tires	Tires size 385/95 R25 (14.00R25); Steel rim 9,5-25/1,7".
Cab 2550	Type 8.4 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.
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; Manual or automatic levelling alternatively; 3 outrigger bases: 8.4 ft, 15.4 ft, 23.0 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 crane 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 HA60	41.0 ft - 196.2 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 4 sheaves integrated in boom head for max. capacity of 141,800 lbs.
Boom luffing	1 luffing cylinder with automatic lowering brake valve.
Rotary drive	Single 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 69,700 lbs	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 electronic load moment indicator in accordance with EN13000; Color 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 incl. Flex Base	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. Flexible and independent outrigger positioning possible. 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 405-4	Scania DC13; Diesel engine; 405 kW / 2100 1/min (550 HP), torque 2476 Nm / 1400 1/min; The engine complies with Tier 4F; Exhaust system complete stainless steel.
Engine 331-3	Scania DC13; Diesel engine; 331 kW / 2100 1/min (450 HP), torque 2007 Nm / 1575 1/min; The engine complies with EU Stage III A / Tier 3; Exhaust system optional with spark arrester.
Axles 10 x 8 x 10	All 5 axles steered, axles 1, 2, 4, 5 are driven and dispose of a selectable transverse lock; Axles 2 and 4 with a disengageable center-differential lock.
Additional fuel tank	37 gallons; For 164 gallons diesel total in carrier (no RME/biodiesel).

Superstructure

Heavy lift attachment	2 additional sheaves; Dis-/connectable; For total 6 sheaves at boom head; Max. capacity 202,400 lbs.
2. hoist (H2)	Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. quick couplings and transport rack.
Additional counterweight 23,300 lbs	2 pieces (Ⓢ); for total 93,000 lbs, 8 pieces.
Load supervision camera	Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head.

Handling

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

HAV 37.4 ft	Lattice swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage.
HAV 68.9 ft	Double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage; Includes HAV 37.4 ft.
HAV-VA 88.6 ft	Variable extension; Single piece, 19.7 ft lattice boom extension and double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage for double folding swing-away jib; Includes HAV 37.4 ft and HAV 68.9 ft.
HAV-VA 108.3 ft	Variable extension; Single piece, 39.4 ft lattice boom extension and double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage for double folding swing-away jib; Includes HAV 37.4 ft, HAV 68.9 ft and HAV-VA 76.8 ft.
HAV-HY	Hydraulic offset 0°-40° instead of manual offset 20°/40°; available for HAV 37.4 ft, HAV 68.9 ft, HAV-VA 88.6 ft, HAV-VA 108.3 ft.
MS (runner)	5.25 ft; Fixed angle runner; 2 sheaves, for max. 72,300 lbs lifting capacity; Incl. transport storage at boom head; Not transportable within 9.0 ft crane width.

Hook Blocks

Hook block 352,800 lbs, 7-sheaves	Max. capacity 202,400 lbs; 3,660 lbs; Double hook, red with white signal stripes.
Hook block 275,600 lbs, 5-sheaves	Max. capacity 175,500 lbs; 2,490 lbs; Double hook, red with white signal stripes.
Hook block 176,400 lbs, 3-sheaves	Max. capacity 124,600 lbs; 1,870 lbs; Double hook, red with white signal stripes.
Hook block 70,600 lbs, 1-sheave	Max. capacity 54,500 lbs; 1,390 lbs; Double hook, red with white signal stripes.
Hook 26,500 lbs	Max. capacity 18,300 lbs; 770 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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