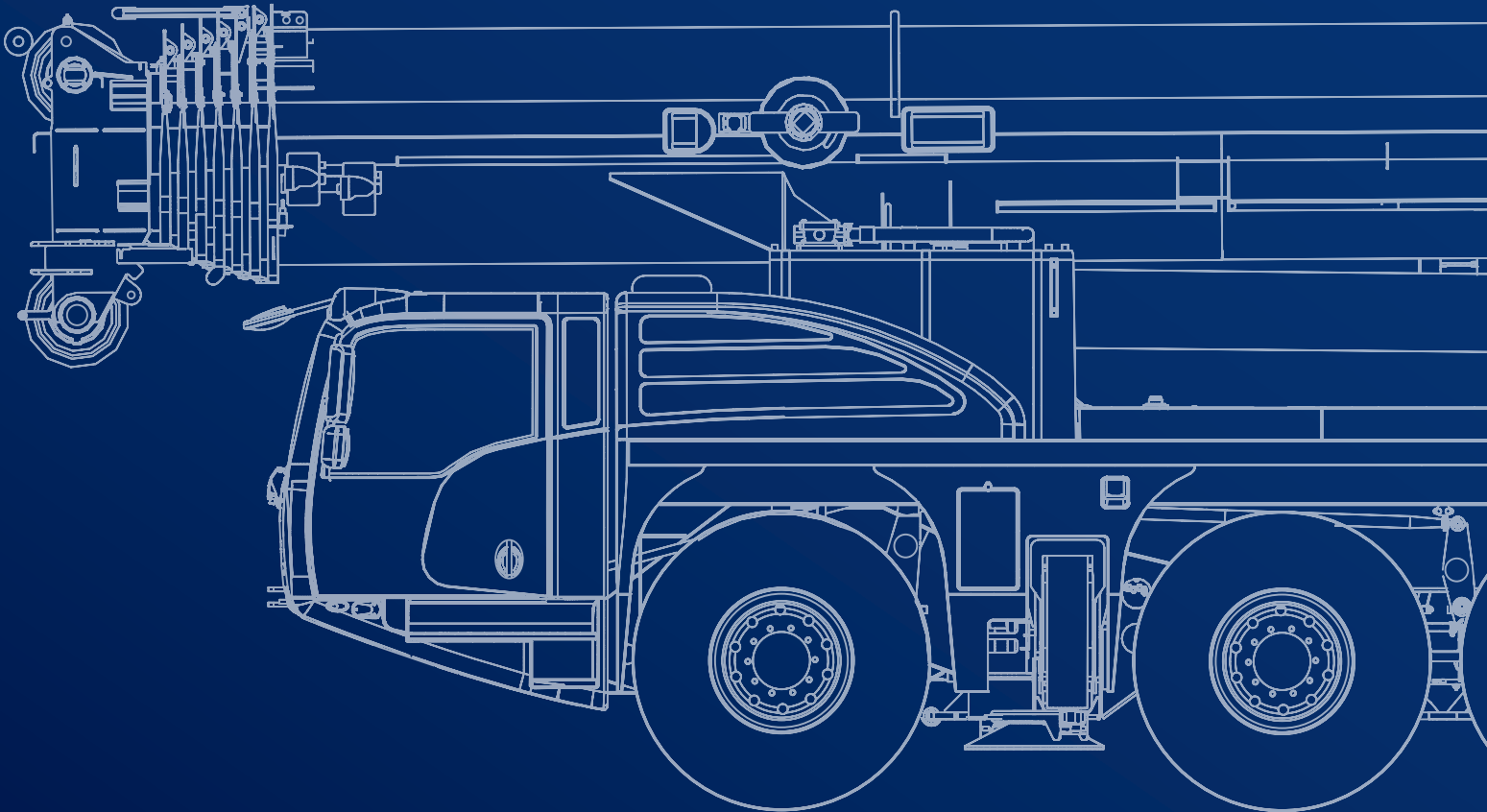


AC 5.220L-1

245 US TON MAX. CRANE CAPACITY



November 2021. 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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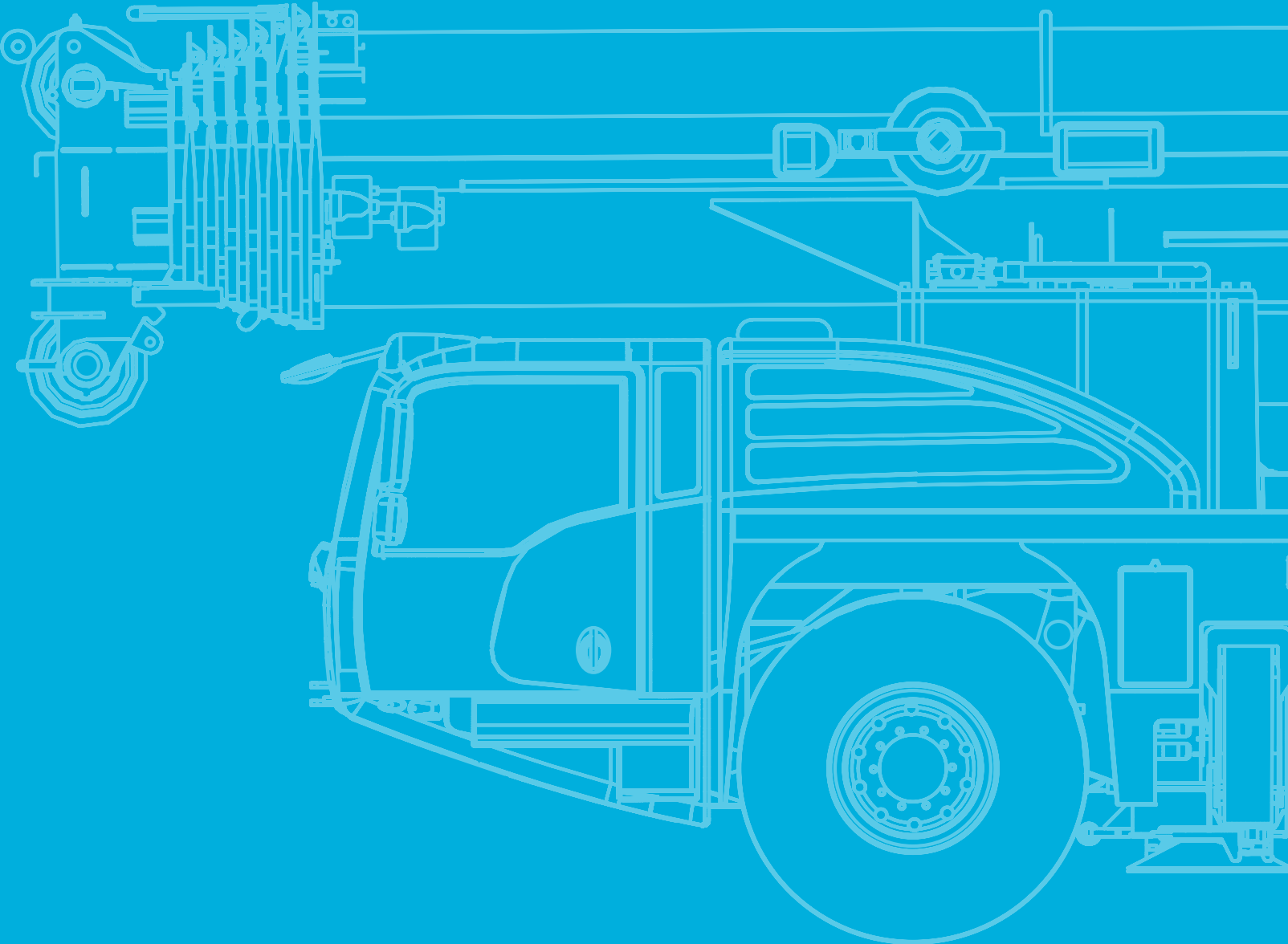
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Key



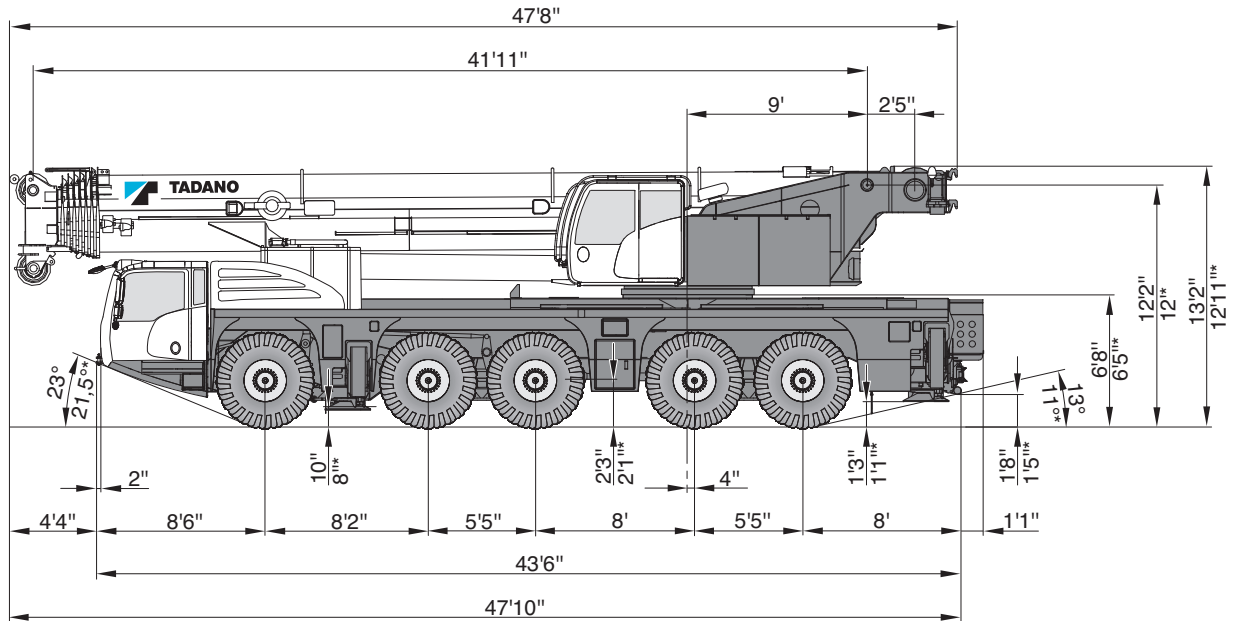
	Counterweight		Dolly
	Lifting capacities on outriggers · 360°		Working speeds
	Radius		Slewing
	Main boom		Max. line pull
	Folding swing-away jib		Rope diameter
	Runner		Rope length
	Max. axle loads		Hook block
	Mechanism		Number of lines
	Tires		Possible load of hook block
	Hook block		Weight of hook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

GENERAL TECHNICAL DATA



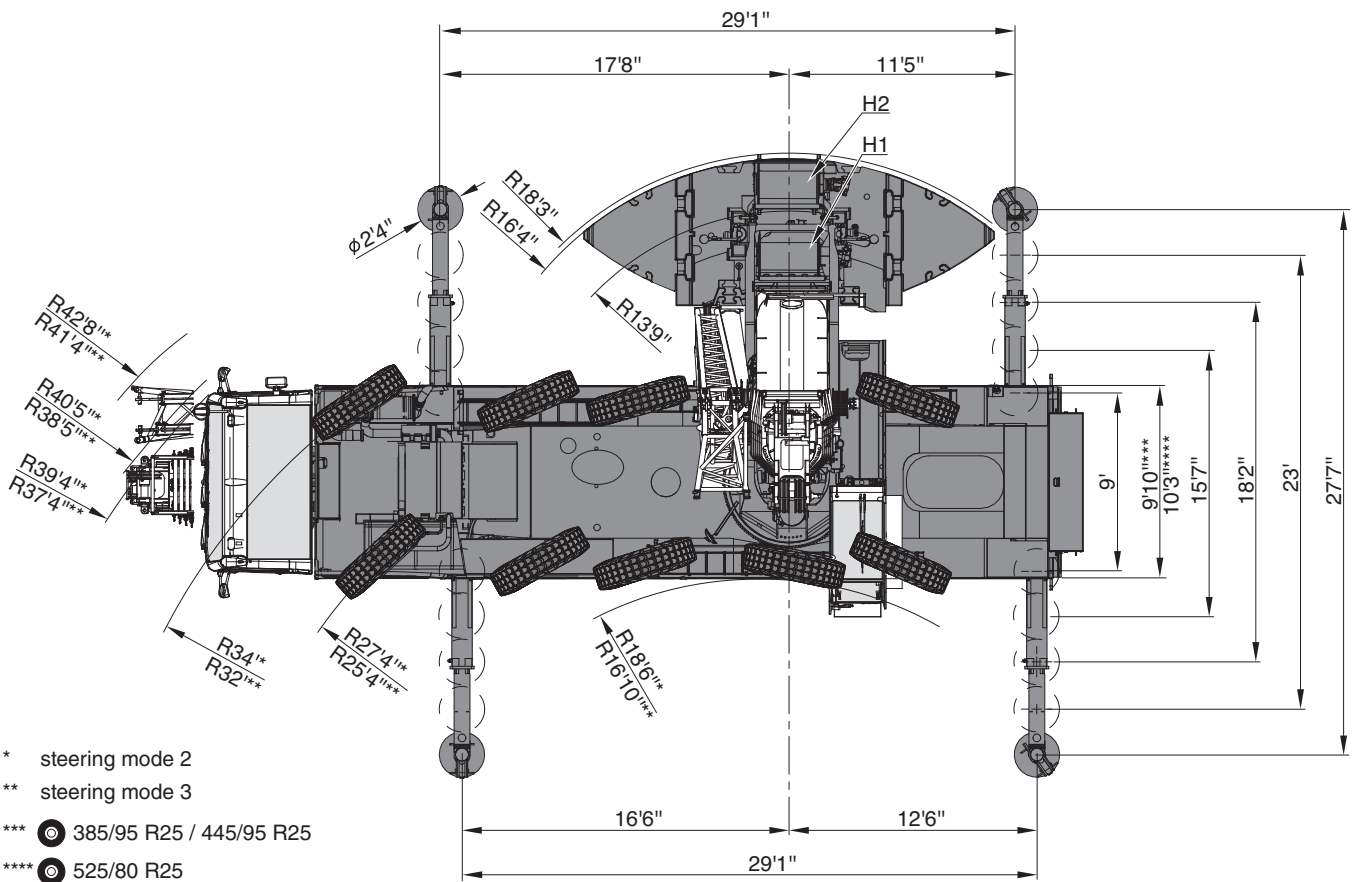
General

Vehicle dimensions



⊙ 445/95 R25 / 525/80 R25

* ⊙ 385/95 R25



* steering mode 2

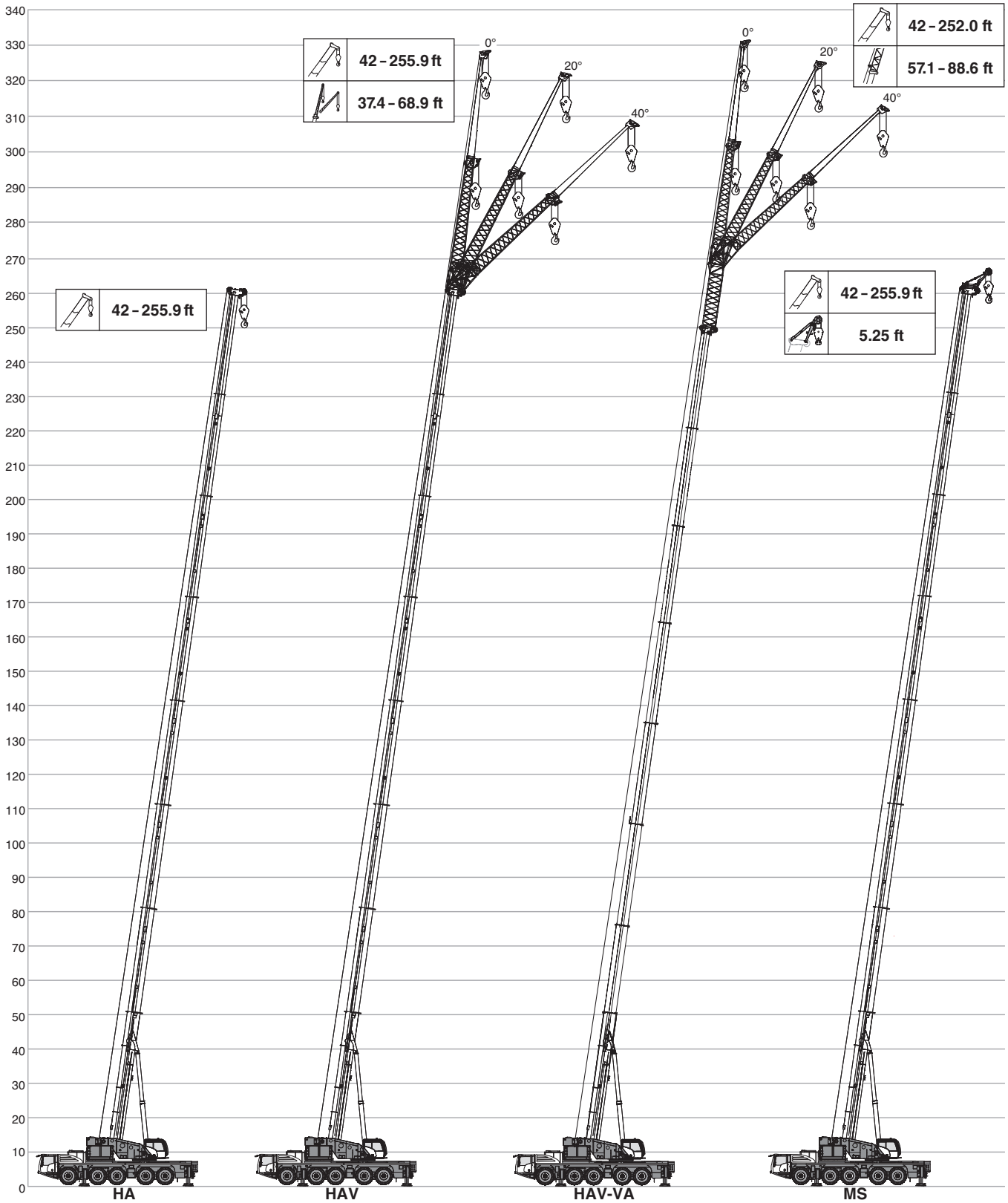
** steering mode 3

*** ⊙ 385/95 R25 / 445/95 R25

**** ⊙ 525/80 R25

General


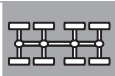








Boom combinations







TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING

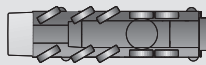






On-road and off-road driving

Axle loads										
	Total									
< 20,000 lb	On request!									X
< 18,700 lb	< 81,600 lb	10x6x10	385/95R25	–	–	–	–	–	–	–
< 26,500 lb	< 132,300 lb	10x8x10	445/95R25	255.9 ft	–	–	–	–	1,540 lb	–
< 29,100 lb	< 138,900 lb	10x8x10	445/95R25	255.9 ft	70,600 lb	–	68.9 ft	–	2,100 lb	–
< 36,400 lb	< 180,800 lb	10x8x10	445/95R25	255.9 ft	70,600 lb	41,200 lb	68.9 ft	X	2,100 lb	–

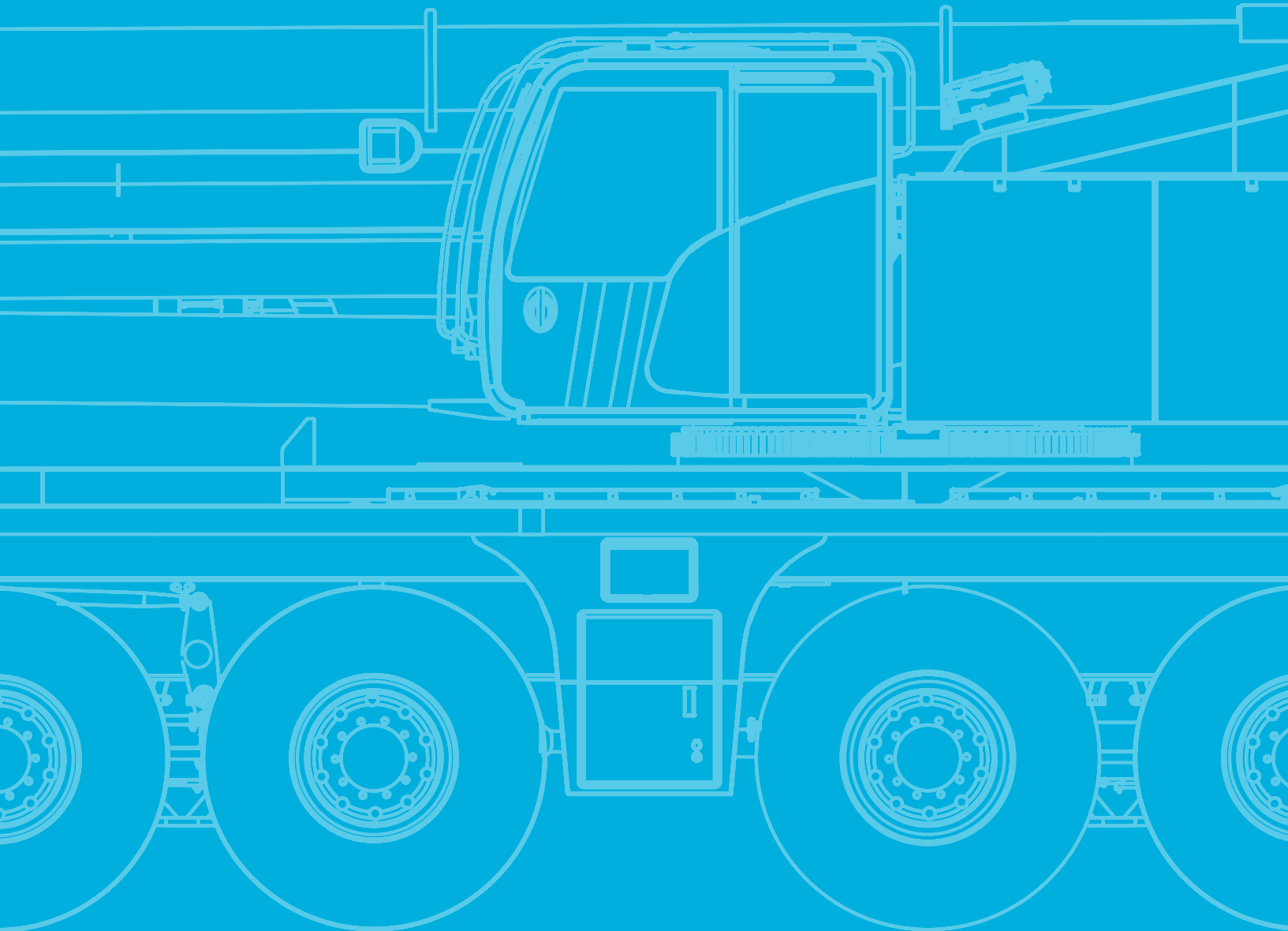
Speeds and gradeability			
	385/95 R 25 14.00 R 25	445/95 R 25 16.00 R 25	525/80 R 25 20.50 R 25
 %	48 %	43 %	43 %
 %	73 %	64 %	64 %
	52.8 mph ¹⁾		

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

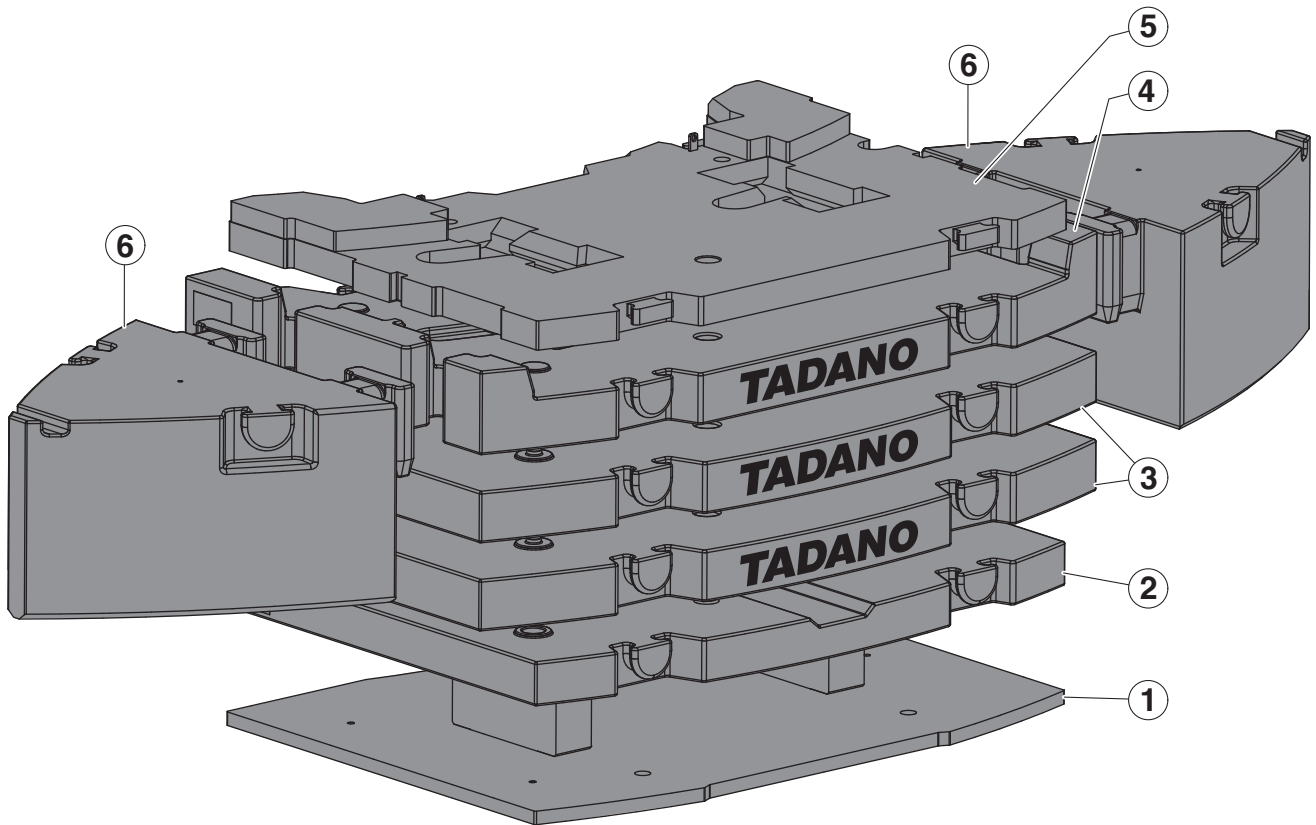
* must be activated

TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight

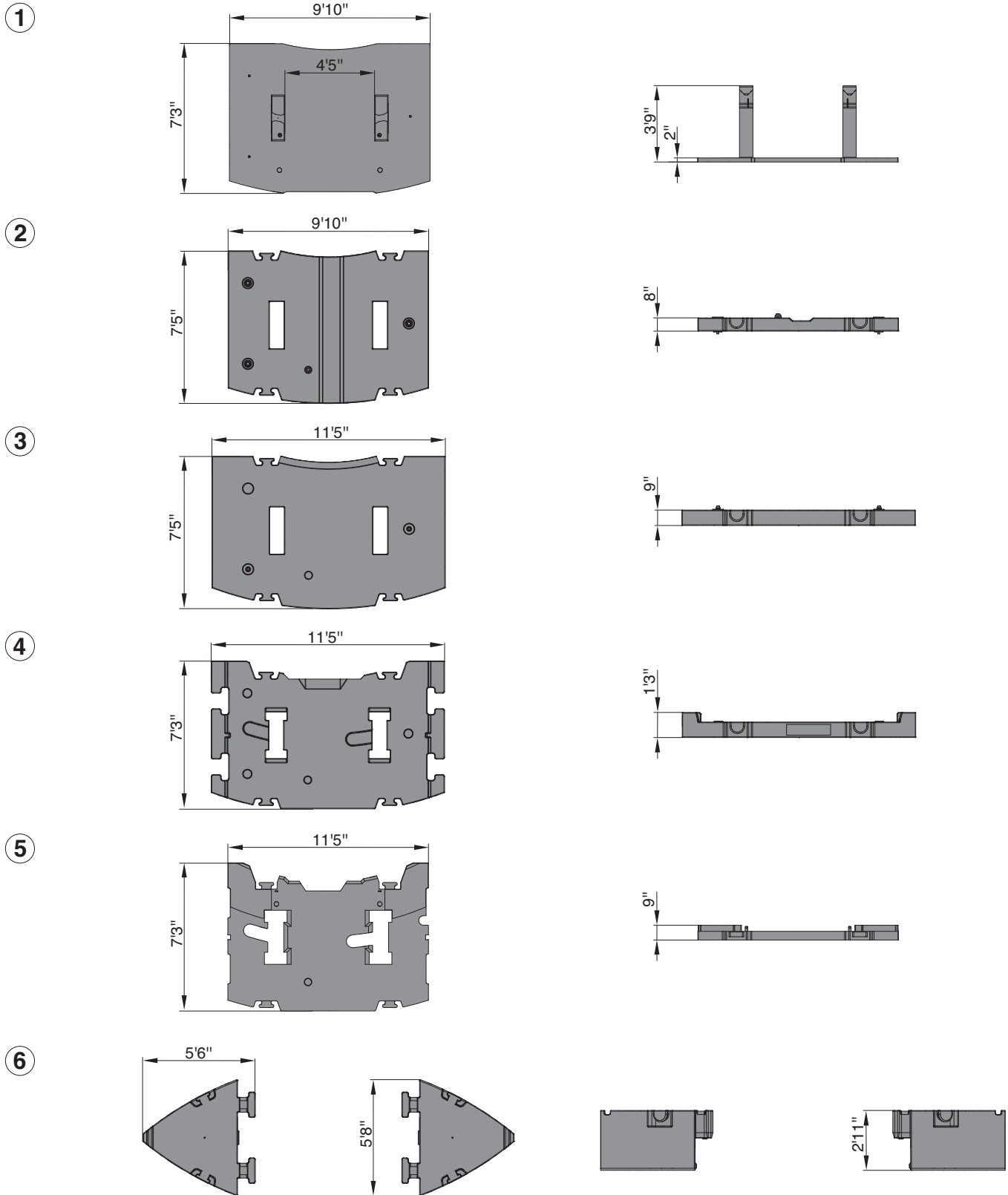


Configurations

	11,250 lb	28,900 lb	41,200 lb	53,600 lb	65,900 lb	78,300 lb	90,600 lb	101,400 lb	113,800 lb	154,800 lb
① 11,250 lb	1	1	1	1	1	1	1	1	1	1
② 17,640 lb		1	1	1	1	1	1	1	1	1
③ 24,700 lb				1	1	1	1	1	1	1
③ 24,700 lb						1	1	1	1	1
④ 23,150 lb								1	1	1
⑤ 12,350 lb			1		1		1		1	1
⑥ 20,500 lb										1
⑥ 20,500 lb										1

Transportation

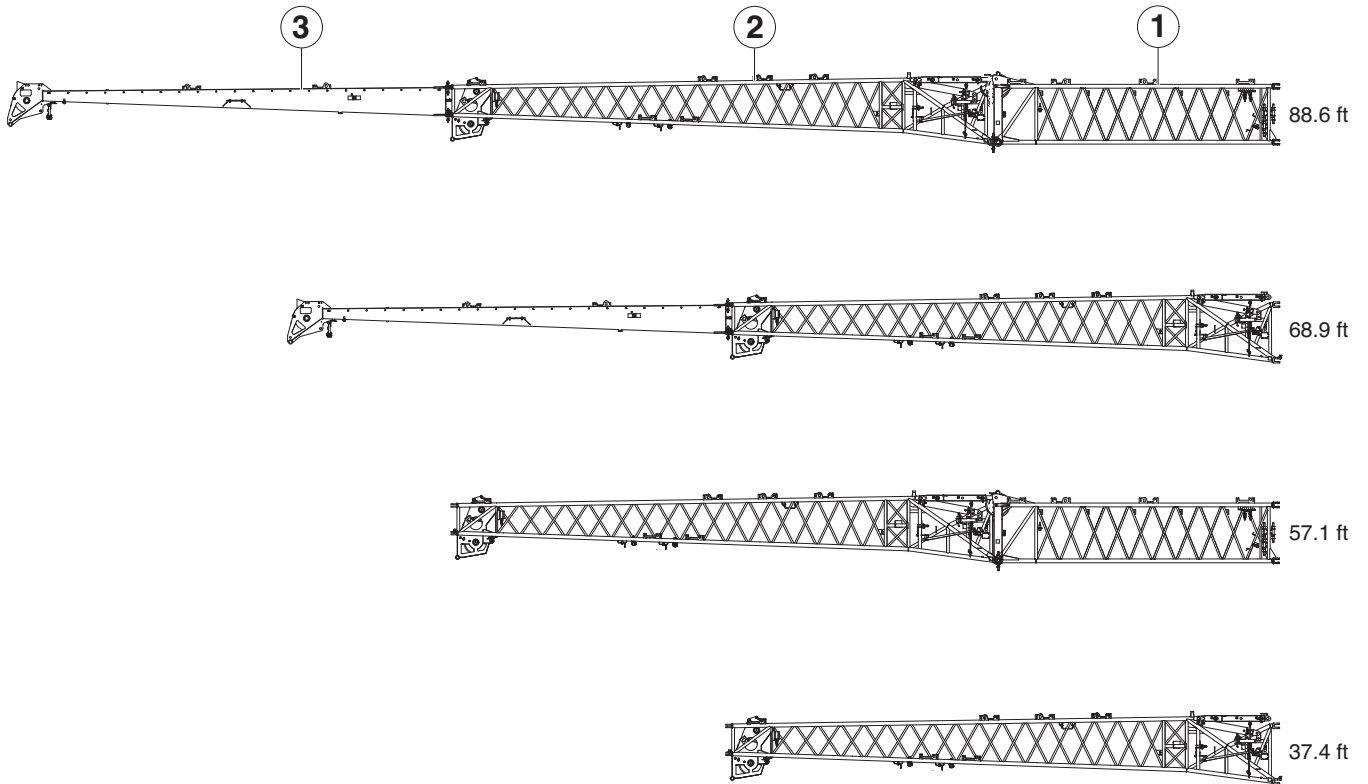
Counterweight



Transportation

Jib

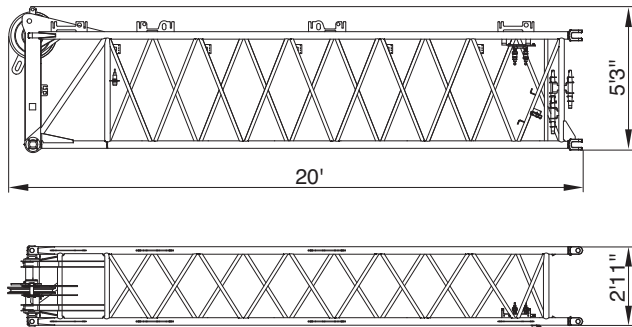
HAV / HAV-VA



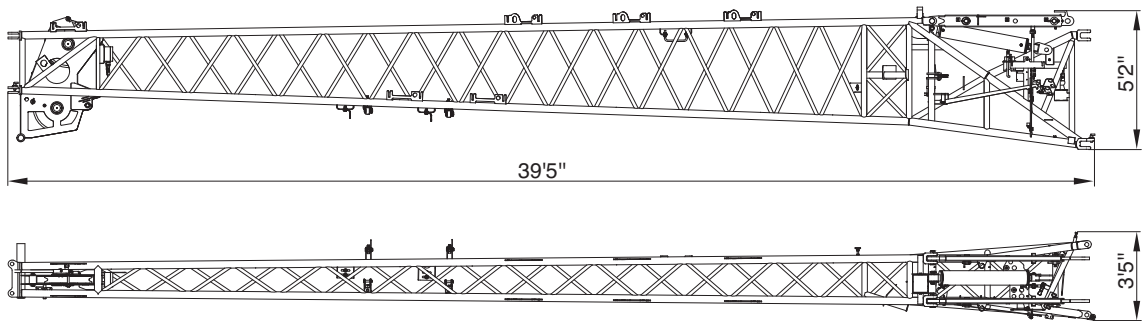
Transportation

Jib

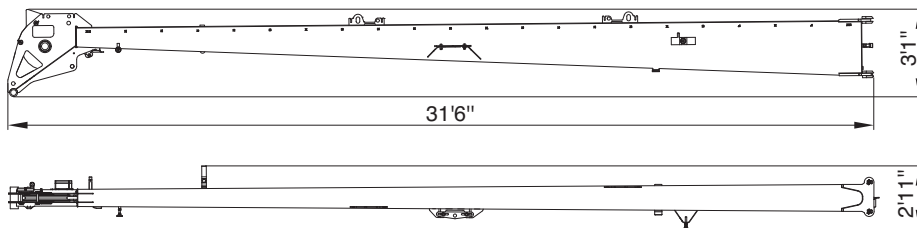
1  1,100



2  3,000 / 3,300 (HY)

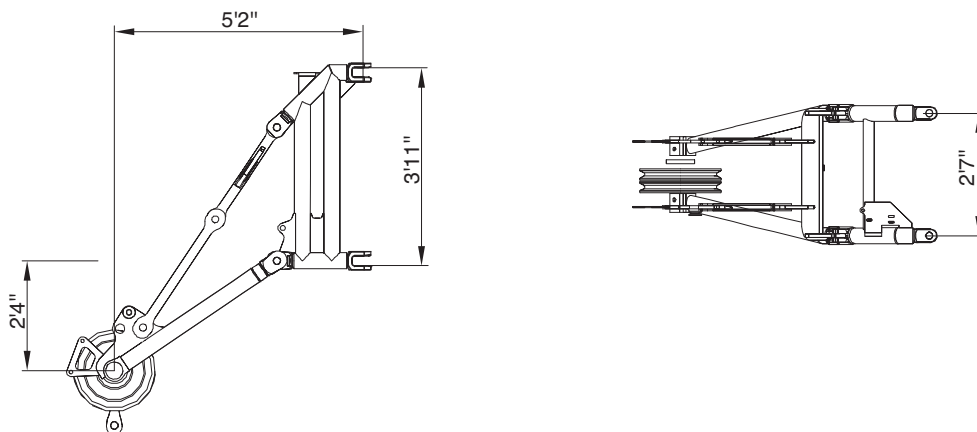


3  1,540

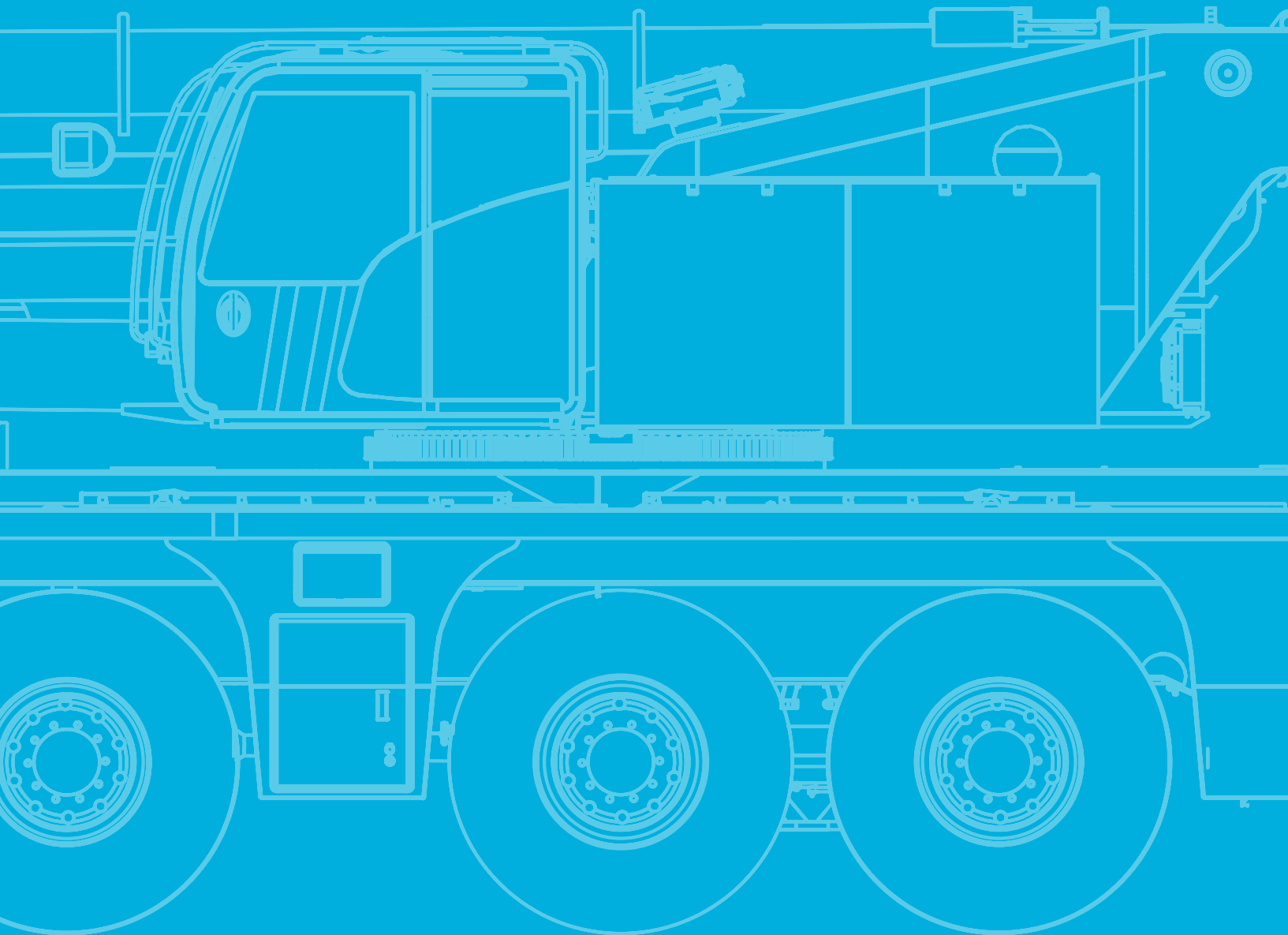


MS

 1,000



TECHNICAL DATA FOR OPERATION



Operation

Main boom



approx. 615 s (42.0-255.9 ft)



approx. 49 s (-1,4° - 82°)

Slewing



1,55 min⁻¹

Hoist



394 ft/min

22,076 lbf

0.83 in

1083 ft



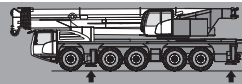
394 ft/min

22,076 lbf

0.83 in

1083 ft

Outrigger cylinders



209,500 lb

231,500 lb



16.9 in

23 in

Hook Blocks



26,500 lb

21,800

5

1

770 lb

6.6 ft

70,600 lb

43,400

5

2

1,390 lb

8.9 ft

70,600 lb

64,800

5

3

1,390 lb

8.9 ft

176,400 lb

86,200

5

4

1,870 lb

9.8 ft

176,400 lb

107,200

5

5

1,870 lb

9.8 ft

176,400 lb

127,900

5

6

1,870 lb

9.8 ft

176,400 lb

148,400

5

7

1,870 lb

9.8 ft

275,600 lb

168,900

5

8

2,490 lb

9.8 ft

275,600 lb

189,000

5

9

2,490 lb

9.8 ft

275,600 lb

209,000

5

10

2,490 lb

9.8 ft

352,800 lb

248,300

5 + 2

12

3,660 lb

9.8 ft

352,800 lb

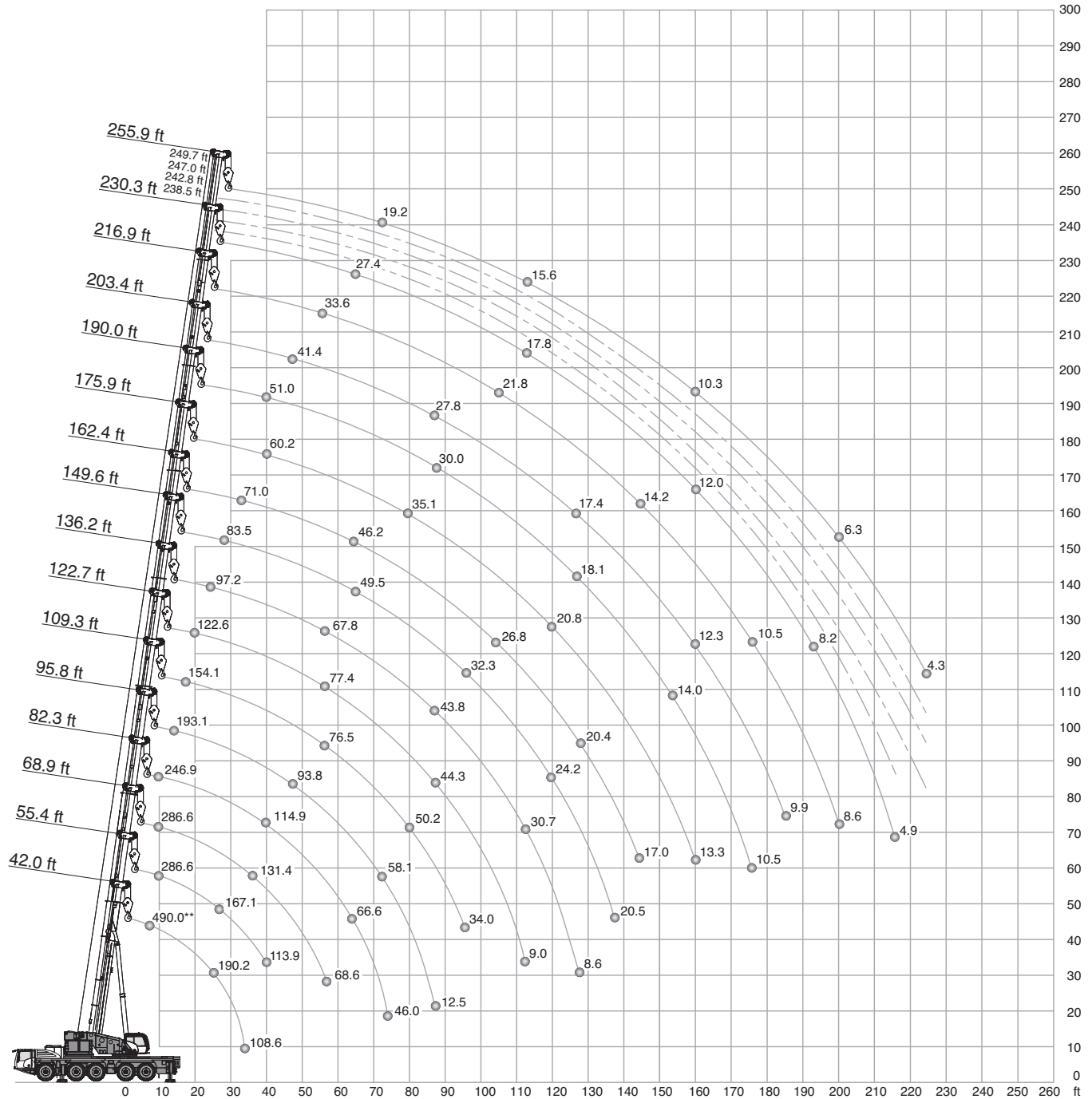
286,600

5 + 2

14

3,660 lb

9.8 ft



** Max. crane capacity – with additional special equipment

Operation

HA

154,800 lb		27.60 ft x 29.10 ft																360°									
		(ft)																									
		42.0*	42.0	55.4	68.9	82.3	95.8	109.3	122.7	136.2	149.6	162.4	175.9	190.0	203.4	216.9	230.3	238.5	242.8	247.0	249.7	255.9					
ft	1,000 lb																										
8	490.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
10	286.6	286.6	286.6	286.6	246.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
12	285.2	285.2	284.9	285.6	246.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
14	273.4	272.8	270.6	272.7	246.9	193.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
16	253.2	251.3	249.9	250.2	245.3	189.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
18	233.8	232.7	232.4	232.0	231.9	188.1	154.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
20	215.5	215.4	216.0	215.1	216.0	187.2	153.0	122.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
24	190.2	188.6	188.8	189.6	188.8	179.9	149.7	119.6	97.2	-	-	-	-	-	-	-	-	-	-	-	-	-					
28	162.1	161.4	167.1	168.0	167.1	165.0	146.4	116.5	93.4	83.5	-	-	-	-	-	-	-	-	-	-	-	-					
32	108.6	108.6	148.1	148.0	147.0	145.3	143.1	112.8	90.7	81.4	71.0	-	-	-	-	-	-	-	-	-	-	-					
36	-	-	131.9	131.4	130.2	131.0	129.9	108.2	87.3	78.1	69.2	-	-	-	-	-	-	-	-	-	-	-					
40	-	-	113.9	116.3	114.9	116.5	114.7	103.4	83.6	74.4	66.8	60.2	51.0	-	-	-	-	-	-	-	-	-					
48	-	-	-	93.7	95.0	93.8	91.9	91.4	75.5	64.6	59.2	55.1	49.2	41.4	-	-	-	-	-	-	-	-					
56	-	-	-	68.6	78.8	77.5	76.6	77.4	67.8	56.4	52.3	49.3	45.6	39.5	33.6	-	-	-	-	-	-	-					
64	-	-	-	-	66.6	65.3	66.8	65.1	61.2	49.5	46.2	43.9	41.4	36.2	31.2	27.4	26.6	25.0	22.8	21.2	-	-					
72	-	-	-	-	46.0	58.1	57.5	55.8	55.9	44.2	40.7	39.3	37.1	33.1	28.7	25.2	25.2	24.5	22.1	20.7	19.2	-					
80	-	-	-	-	-	49.2	50.2	48.4	49.9	39.7	36.0	35.1	33.4	30.4	26.6	23.3	23.3	23.3	21.4	20.2	18.7	-					
88	-	-	-	-	-	12.5	44.3	44.3	43.8	35.6	32.4	31.2	30.0	27.8	24.8	21.5	21.7	21.7	20.4	19.5	18.1	-					
96	-	-	-	-	-	-	34.0	40.5	38.9	32.3	29.3	28.0	26.9	25.4	23.2	20.2	20.2	20.2	19.3	18.5	17.4	-					
104	-	-	-	-	-	-	12.0	36.4	34.7	29.2	26.8	25.1	24.3	23.2	21.8	18.9	18.9	19.1	18.0	17.5	16.4	-					
112	-	-	-	-	-	-	-	9.0	30.7	26.5	24.3	22.8	21.9	21.1	20.2	17.8	17.8	17.6	16.9	16.5	15.6	-					
120	-	-	-	-	-	-	-	-	26.3	24.2	22.3	20.8	19.8	19.2	18.6	16.6	16.4	16.2	15.6	15.4	14.7	-					
128	-	-	-	-	-	-	-	-	8.6	22.9	20.4	19.2	18.1	17.4	17.2	15.6	15.2	14.9	14.5	14.3	13.8	-					
136	-	-	-	-	-	-	-	-	-	20.5	18.7	17.6	16.6	15.8	15.7	14.6	14.1	13.7	13.5	13.2	13.0	-					
144	-	-	-	-	-	-	-	-	-	-	17.0	16.2	15.3	14.6	14.2	13.7	13.1	12.4	12.4	12.2	12.2	-					
152	-	-	-	-	-	-	-	-	-	-	-	14.8	14.0	13.3	12.9	12.9	12.0	11.5	11.3	11.3	11.1	-					
160	-	-	-	-	-	-	-	-	-	-	-	13.3	12.9	12.3	11.9	12.0	10.9	10.5	10.3	10.3	10.3	-					
168	-	-	-	-	-	-	-	-	-	-	-	-	11.7	11.4	11.1	11.0	9.9	9.7	9.5	9.5	9.5	-					
176	-	-	-	-	-	-	-	-	-	-	-	-	10.5	10.5	10.5	10.1	9.0	8.7	8.5	8.5	8.7	-					
184	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	9.8	9.1	8.0	7.9	7.7	7.7	7.9	-					
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	8.2	7.1	7.1	6.9	6.9	7.1	-					
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	7.4	6.5	6.3	6.2	6.2	6.3	-					
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	5.8	5.6	5.6	5.6	5.6	-					
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	5.1	4.9	4.9	4.9	4.9	-					
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	4.3	4.3	4.3	-					
1)	45.9	45.9	33.7	26.5	20.9	16.5	13.7	10.6	8.6	6.6	5.3	3.3	-	-	-	-	-	-	-	-	-	-					

1) Capacities with horizontal boom

* over rear

** Max. crane capacity – with additional special equipment

Operation

HA

41,200 lb		27.60 ft x 29.10 ft		360° / Max.*		ASME B30.5														
ft	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft	42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
1,000 lb																				
10	286.6	286.6	286.6	286.6	286.6	286.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-
12	283.1	285.2	283.5	284.9	283.1	285.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-
14	265.6	271.7	266.1	270.0	265.0	271.5	246.9	248.0	193.1	193.1	-	-	-	-	-	-	-	-	-	-
16	241.9	243.5	241.9	243.6	241.6	242.3	239.4	239.9	189.6	189.6	-	-	-	-	-	-	-	-	-	-
18	217.5	217.5	217.5	217.7	218.7	218.9	217.5	217.5	186.4	188.1	154.1	154.1	-	-	-	-	-	-	-	-
20	193.7	193.7	195.4	195.4	195.0	195.0	193.6	193.6	180.5	185.1	152.1	153.0	122.6	122.6	-	-	-	-	-	-
24	156.2	156.2	157.7	157.7	157.4	157.4	155.7	156.8	147.4	157.7	133.8	146.9	118.6	119.6	97.2	97.2	-	-	-	-
28	126.7	129.7	128.7	131.0	128.3	130.6	127.2	132.4	118.4	131.1	115.6	129.0	105.8	116.5	93.4	93.4	83.5	83.5	-	-
32	99.6	101.6	102.6	111.4	104.8	112.6	103.3	112.5	101.7	111.4	96.3	111.4	92.6	109.5	86.2	90.7	80.1	81.4	71.0	71.0
36	-	-	85.1	97.3	85.9	99.0	85.3	98.4	86.7	97.2	82.3	99.0	81.5	97.1	74.8	87.3	70.5	78.1	64.2	69.2
40	-	-	70.6	85.7	70.0	86.3	72.8	85.8	71.9	87.6	74.3	86.3	69.8	84.5	65.5	83.0	62.9	74.4	57.5	66.8
48	-	-	-	-	52.7	69.0	52.8	69.7	55.4	70.1	54.3	69.0	52.4	70.0	50.9	67.7	48.1	63.1	46.9	58.1
56	-	-	-	-	41.6	56.8	42.6	58.3	42.2	57.7	41.3	57.9	40.6	58.0	39.3	54.0	38.9	50.6	37.4	48.3
64	-	-	-	-	-	-	33.6	49.1	33.3	48.4	32.3	50.0	33.1	48.7	32.4	45.3	31.7	42.4	31.0	39.3
72	-	-	-	-	-	-	27.2	40.8	26.8	43.1	27.6	41.8	27.5	40.1	26.1	37.7	25.9	36.1	25.6	34.7
80	-	-	-	-	-	-	-	23.0	35.4	23.6	34.3	22.7	32.8	21.8	32.1	22.0	30.9	21.8	29.4	29.4
88	-	-	-	-	-	-	-	12.5	12.5	19.9	28.6	18.7	27.4	18.9	27.5	18.6	26.7	17.8	24.8	24.8
96	-	-	-	-	-	-	-	-	-	16.8	24.2	16.2	24.1	16.3	24.2	15.4	22.2	16.1	22.4	22.4
104	-	-	-	-	-	-	-	-	-	12.0	12.0	14.7	21.7	13.7	20.3	14.0	19.0	13.8	19.2	19.2
112	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	11.7	17.3	12.2	17.1	11.6	16.2	16.2
120	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	15.1	10.4	15.5	10.0	14.8	14.8
128	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	8.7	13.3	8.9	13.1	13.1
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	11.8	7.6	11.4	11.4	11.4
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	10.4	10.4	10.4
1)	45.9	45.9	33.7	33.7	26.5	26.5	20.9	20.9	16.5	16.5	13.7	13.7	10.6	10.6	8.6	8.6	6.6	6.6	5.3	5.3

ft	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft	175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
1,000 lb																				
40	55.6	60.2	50.3	51.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	43.6	54.4	42.3	49.2	39.4	41.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	36.5	45.7	33.0	43.6	32.6	39.5	31.2	33.6	-	-	-	-	-	-	-	-	-	-	-	-
64	29.1	38.4	29.1	36.6	26.6	35.2	26.6	31.2	25.2	27.4	24.0	26.6	23.4	25.0	22.7	22.8	21.2	21.2	-	-
72	25.6	32.0	24.1	31.2	23.9	29.2	22.5	28.7	20.2	25.2	21.0	25.2	19.1	24.5	18.8	22.1	18.8	20.7	19.0	19.2
80	20.9	28.9	21.3	26.0	20.4	25.7	19.5	24.5	16.2	23.3	17.1	23.1	15.1	23.0	14.9	21.4	14.9	20.2	14.9	18.7
88	18.5	24.7	17.8	23.0	17.5	22.3	15.9	21.2	12.8	20.9	13.7	20.0	11.6	19.6	11.5	19.5	11.5	19.0	11.6	18.1
96	15.7	20.9	15.5	20.9	14.8	19.0	12.9	19.1	9.9	17.7	10.7	16.6	8.8	16.4	8.7	16.3	8.7	16.3	8.8	16.5
104	13.1	18.7	13.1	18.2	12.0	17.6	10.4	16.4	7.5	14.9	8.4	14.0	6.4	13.7	6.4	13.6	6.4	13.6	6.4	13.8
112	11.8	16.8	10.9	16.0	9.8	16.2	8.5	14.7	5.6	12.4	6.3	11.6	4.5	11.3	4.3	11.3	4.3	11.3	4.5	11.3
120	9.9	14.3	9.0	14.5	7.9	14.1	6.7	13.3	3.8	10.4	4.7	9.5	-	9.3	-	9.2	-	9.2	-	9.2
128	8.3	12.9	7.4	13.0	6.3	12.1	5.1	11.2	-	8.5	3.2	7.7	-	7.5	-	7.3	-	7.3	-	7.3
136	6.9	11.9	5.9	11.0	4.9	11.0	3.6	9.5	-	6.9	-	6.1	-	5.9	-	5.8	-	5.8	-	5.8
144	5.6	10.4	4.7	9.5	3.6	9.6	2.5	8.0	-	5.6	-	4.7	-	4.5	-	4.5	-	4.5	-	4.5
152	4.5	9.1	3.6	8.7	-	8.2	-	6.9	-	4.3	-	3.6	-	3.4	-	3.2	-	3.2	-	3.4
160	3.5	7.8	-	7.8	-	6.9	-	5.6	-	3.2	-	-	-	-	-	-	-	-	-	-
168	-	-	-	6.8	-	5.7	-	4.6	-	-	-	-	-	-	-	-	-	-	-	-
176	-	-	-	5.9	-	4.8	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-
184	-	-	-	-	-	3.9	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-
1)	2.9	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

0 lb		27.60 ft x 29.10 ft										360° / Max.*						ASME B30.5			
ft		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
1,000 lb																					
10	286.6	286.6	286.6	286.6	286.6	286.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	281.7	282.0	282.1	282.1	281.4	281.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	255.9	256.6	256.4	256.7	253.1	255.4	226.6	245.4	192.7	193.1	-	-	-	-	-	-	-	-	-	-	-
16	222.1	222.2	224.1	224.1	207.9	223.7	187.4	222.2	168.8	189.6	-	-	-	-	-	-	-	-	-	-	-
18	194.2	194.7	188.3	196.4	170.8	196.1	158.7	194.6	141.5	182.0	131.9	154.1	-	-	-	-	-	-	-	-	-
20	166.8	170.0	153.8	171.6	144.5	171.3	131.6	173.3	124.9	171.8	112.2	151.4	107.6	122.6	-	-	-	-	-	-	-
24	109.2	136.7	111.6	138.3	104.4	139.0	100.9	139.7	95.0	137.2	90.3	127.2	83.3	112.3	75.9	97.2	-	-	-	-	-
28	74.0	113.2	82.0	115.6	82.2	116.4	79.2	115.9	76.8	110.5	70.9	101.8	65.7	95.3	62.3	86.3	55.5	75.8	-	-	-
32	53.1	95.8	61.6	98.4	63.3	98.9	65.5	95.3	61.6	91.3	56.9	86.1	54.2	78.7	51.6	71.6	49.0	65.8	43.9	56.0	56.0
36	-	-	48.6	85.5	52.0	83.6	53.2	80.9	51.0	75.0	48.8	73.3	47.1	65.4	44.3	60.3	41.2	56.3	40.4	52.0	52.0
40	-	-	38.0	72.7	41.0	69.7	42.1	67.1	41.7	66.3	43.1	60.3	39.9	55.3	36.9	52.3	36.7	47.1	34.6	45.9	45.9
48	-	-	-	-	29.4	48.8	30.0	50.9	31.5	47.9	31.1	44.2	29.6	42.4	29.7	40.3	28.6	38.7	27.7	35.5	35.5
56	-	-	-	-	21.3	36.3	22.8	37.0	23.3	36.6	23.4	34.8	23.8	35.2	23.2	32.5	22.9	30.7	22.1	30.4	30.4
64	-	-	-	-	-	-	17.4	28.8	18.0	28.4	18.5	29.6	18.4	28.8	18.4	26.5	17.7	26.2	17.8	24.7	24.7
72	-	-	-	-	-	-	13.1	22.8	14.4	24.5	14.6	24.2	14.8	23.3	14.4	22.8	13.3	21.7	14.0	21.2	21.2
80	-	-	-	-	-	-	-	-	11.3	20.2	11.3	19.7	11.7	19.1	11.0	19.7	10.2	18.4	10.6	18.9	18.9
88	-	-	-	-	-	-	-	-	8.7	12.5	8.7	16.3	9.0	17.1	8.4	16.1	7.6	16.5	8.0	15.6	15.6
96	-	-	-	-	-	-	-	-	-	-	6.5	14.5	6.8	14.3	6.3	13.9	5.4	14.0	5.9	13.3	13.3
104	-	-	-	-	-	-	-	-	-	-	5.0	12.0	5.0	11.8	4.6	11.9	3.7	11.5	4.2	11.9	11.9
112	-	-	-	-	-	-	-	-	-	-	-	-	3.7	9.0	-	10.1	-	9.6	-	9.8	9.8
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7	-	8.0	-	8.2	8.2
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	6.5	-	6.7	6.7
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	5.5	5.5
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	4.5
1)	45.9	45.9	27.3	33.7	18.1	26.5	12.3	20.9	8.6	16.5	5.3	13.7	3.1	10.4	-	7.1	-	4.6	-	3.3	3.3


ft		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
1,000 lb																					
36	36.6	39.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	34.5	42.4	31.5	40.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	26.5	34.6	24.8	32.6	22.4	31.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	21.0	28.0	18.9	27.6	16.8	25.6	14.3	23.3	-	-	-	-	-	-	-	-	-	-	-	-	-
64	16.3	24.6	14.3	22.6	12.3	21.6	9.7	19.2	-	15.6	-	14.5	-	14.3	-	14.0	-	14.0	-	-	-
72	12.4	20.6	10.4	19.7	8.5	17.7	6.0	15.3	-	12.0	-	10.9	-	10.7	-	10.7	-	10.7	-	10.7	10.7
80	9.3	17.4	7.6	16.3	5.6	14.5	-	12.3	-	9.1	-	8.1	-	7.9	-	7.5	-	7.5	-	7.3	7.3
88	6.8	15.4	5.2	13.5	3.5	11.8	-	9.5	-	6.5	-	5.4	-	5.1	-	4.9	-	4.8	-	4.8	4.8
96	4.9	12.9	3.4	11.1	-	9.3	-	7.1	-	4.2	-	3.2	-	3.0	-	2.8	-	2.8	-	2.8	2.8
104	3.3	10.6	-	9.1	-	7.3	-	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-
112	-	8.7	-	7.2	-	5.6	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-
120	-	7.3	-	5.6	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128	-	5.9	-	4.4	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136	-	4.7	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	-	3.6	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

154,800 lb		23.00 ft x 29.10 ft										360° / Max.*				ASME B30.5					
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	286.6	286.6	286.6	286.6	286.6	286.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	282.8	285.2	282.8	284.9	282.4	285.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	263.9	272.8	263.9	270.6	262.8	272.7	246.9	248.0	193.1	193.1	-	-	-	-	-	-	-	-	-	-	-
16	241.3	251.3	241.3	249.9	241.6	250.2	239.4	245.5	189.6	189.6	-	-	-	-	-	-	-	-	-	-	-
18	222.7	232.7	222.9	232.4	224.0	232.0	222.9	231.8	188.1	188.1	154.1	154.1	-	-	-	-	-	-	-	-	-
20	205.5	215.4	205.7	216.0	206.8	215.1	205.7	216.0	187.2	187.2	153.0	153.0	122.6	122.6	-	-	-	-	-	-	-
24	178.6	188.6	179.9	188.8	179.7	189.6	178.8	188.8	177.1	179.9	149.7	149.7	119.6	119.6	97.2	97.2	-	-	-	-	-
28	156.7	161.4	158.5	167.1	158.3	168.0	157.3	167.1	156.8	165.0	146.4	146.4	116.5	116.5	93.4	93.4	83.5	83.5	-	-	-
32	108.6	108.6	141.1	148.1	141.0	148.0	139.9	147.0	141.5	145.3	138.7	143.1	112.8	112.8	90.7	90.7	81.4	81.4	71.0	71.0	71.0
36	-	-	123.1	131.9	123.0	131.4	121.7	130.2	123.3	131.0	121.5	129.9	108.2	108.2	87.3	87.3	78.1	78.1	69.2	69.2	69.2
40	-	-	103.9	113.9	105.1	116.2	106.9	114.9	105.4	116.5	103.2	114.7	102.4	103.4	83.6	83.6	74.4	74.4	66.8	66.8	66.8
48	-	-	-	-	81.2	93.5	80.8	94.9	79.4	93.7	81.2	91.9	79.2	91.4	75.2	75.5	64.6	64.6	59.2	59.2	59.2
56	-	-	-	-	61.6	68.6	63.8	78.6	65.4	77.5	64.2	76.6	63.1	77.4	63.9	67.8	56.4	56.4	52.3	52.3	52.3
64	-	-	-	-	-	-	53.8	66.6	53.3	65.3	52.6	66.8	53.8	65.1	51.9	61.2	49.5	49.5	46.2	46.2	46.2
72	-	-	-	-	-	-	44.3	45.8	44.5	57.9	46.0	56.7	44.7	54.5	43.2	55.9	42.5	44.2	40.7	40.7	40.7
80	-	-	-	-	-	-	-	-	39.6	47.7	39.5	48.3	38.2	47.9	36.6	47.8	35.9	39.7	35.6	36.0	36.0
88	-	-	-	-	-	-	-	-	12.5	12.5	34.2	41.7	33.1	43.2	32.2	41.3	30.6	35.6	30.6	32.4	32.4
96	-	-	-	-	-	-	-	-	-	-	30.0	34.0	28.8	37.8	27.9	35.9	27.9	32.3	26.4	29.3	29.3
104	-	-	-	-	-	-	-	-	-	-	12.0	12.0	25.3	33.4	24.9	31.6	24.7	29.2	22.9	26.8	26.8
112	-	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	23.0	27.8	21.7	26.5	20.4	24.4	24.4
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	24.4	19.3	23.8	18.5	22.3	22.3
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	17.5	22.6	16.6	20.4	20.4
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6	20.3	15.6	18.2	18.2	18.2
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.4	16.2	16.2	16.2
1)	45.9	45.9	33.7	33.7	26.5	26.5	20.9	20.9	16.5	16.5	13.7	13.7	10.6	10.6	8.6	8.6	6.6	6.6	5.3	5.3	5.3


		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
40	60.2	60.2	51.0	51.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	55.1	55.1	49.2	49.2	41.4	41.4	39.5	39.5	33.6	33.6	-	-	-	-	-	-	-	-	-	-	-
56	49.3	49.3	45.6	45.6	39.5	39.5	33.6	33.6	-	-	-	-	-	-	-	-	-	-	-	-	-
64	43.9	43.9	41.4	41.4	36.2	36.2	31.2	31.2	27.4	27.4	26.6	26.6	25.0	25.0	22.8	22.8	21.2	21.2	-	-	-
72	39.3	39.3	37.1	37.1	33.1	33.1	28.7	28.7	25.2	25.2	25.2	25.2	24.5	24.5	22.1	22.1	20.7	20.7	19.2	19.2	19.2
80	34.9	35.1	33.4	33.4	30.4	30.4	26.6	26.6	23.3	23.3	23.3	23.3	23.3	23.3	21.4	21.4	20.2	20.2	18.7	18.7	18.7
88	30.2	31.2	29.8	30.0	27.8	27.8	24.8	24.8	21.5	21.5	21.7	21.7	21.7	21.7	20.4	20.4	19.5	19.5	18.1	18.1	18.1
96	26.7	28.0	25.9	26.9	25.4	25.4	23.2	23.2	20.2	20.2	20.2	20.2	20.2	20.2	19.3	19.3	18.5	18.5	17.4	17.4	17.4
104	23.1	25.1	23.4	24.3	22.8	23.2	21.8	21.8	18.9	18.9	18.9	18.9	19.1	19.1	18.0	18.0	17.5	17.5	16.4	16.4	16.4
112	20.1	22.8	20.6	21.9	20.1	21.1	20.2	20.2	17.8	17.8	17.8	17.8	17.6	17.6	16.9	16.9	16.5	16.5	15.6	15.6	15.6
120	18.1	20.8	18.2	19.8	18.2	19.2	18.2	18.6	16.6	16.6	16.4	16.4	16.2	16.2	15.6	15.6	15.4	15.4	14.7	14.7	14.7
128	16.4	19.2	16.0	18.1	16.6	17.4	16.0	17.2	15.6	15.6	15.2	15.2	14.9	14.9	14.5	14.5	14.3	14.3	13.8	13.8	13.8
136	14.9	17.6	14.4	16.6	14.8	15.8	14.3	15.7	14.6	14.6	14.1	14.1	13.7	13.7	13.5	13.5	13.2	13.2	13.0	13.0	13.0
144	13.5	16.2	13.3	15.3	13.1	14.6	13.5	14.2	13.1	13.7	12.6	13.1	12.4	12.4	12.4	12.4	12.2	12.2	12.2	12.2	12.2
152	12.2	14.5	12.0	14.0	12.2	13.3	12.4	12.9	11.7	12.9	11.3	12.0	11.3	11.5	11.3	11.3	11.3	11.3	11.1	11.1	11.1
160	11.2	12.8	11.0	12.9	11.4	12.3	11.0	11.9	10.4	12.0	9.9	10.9	9.9	10.5	9.9	10.3	10.0	10.3	10.2	10.3	10.3
168	-	-	10.2	11.7	10.5	11.4	9.8	11.1	9.2	11.0	8.7	9.9	8.7	9.7	8.7	9.5	8.9	9.5	9.2	9.5	9.5
176	-	-	9.6	10.3	9.6	10.5	8.8	10.5	8.1	10.1	7.8	9.0	7.7	8.7	7.7	8.5	7.7	8.5	8.1	8.7	8.7
184	-	-	-	-	8.8	9.9	7.8	9.8	7.0	9.1	7.1	8.0	6.6	7.9	6.6	7.7	6.6	7.7	6.9	7.9	7.9
192	-	-	-	-	-	-	6.9	9.1	6.0	8.2	6.5	7.1	5.5	7.1	5.5	6.9	5.5	6.9	5.8	7.1	7.1
200	-	-	-	-	-	-	6.1	8.4	5.0	7.4	5.8	6.5	4.6	6.3	4.6	6.2	4.6	6.2	5.0	6.3	6.3
208	-	-	-	-	-	-	-	4.2	6.3	5.1	5.8	3.7	5.6	3.7	5.6	3.7	5.6	3.7	5.6	4.2	5.6
216	-	-	-	-	-	-	-	3.6	4.9	4.5	5.1	2.9	4.9	2.9	4.9	2.9	4.9	2.9	4.9	3.4	4.9
224	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	4.3	-	4.3	-	4.3	4.3
1)	3.3	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

113,800 lb		23.00 ft x 29.10 ft										360° / Max.*				ASME B30.5					
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	286.6	286.6	286.6	286.6	286.6	286.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	281.0	285.2	281.0	284.9	280.7	285.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	258.4	272.8	258.4	270.6	258.4	272.7	246.9	248.0	193.1	193.1	-	-	-	-	-	-	-	-	-	-	-
16	236.7	251.3	236.7	249.9	236.9	250.2	236.1	245.5	189.6	189.6	-	-	-	-	-	-	-	-	-	-	-
18	218.7	232.7	218.8	232.4	219.2	232.0	218.8	231.8	188.1	188.1	154.1	154.1	-	-	-	-	-	-	-	-	-
20	201.7	215.2	203.1	215.9	202.9	214.9	201.9	215.8	186.9	187.2	153.0	153.0	122.6	122.6	-	-	-	-	-	-	-
24	175.3	185.3	176.6	185.5	176.4	186.4	175.4	185.1	171.6	177.8	149.5	149.7	119.6	119.6	97.2	97.2	-	-	-	-	-
28	147.9	157.8	149.6	159.2	149.3	158.9	148.0	157.6	148.6	156.1	136.3	146.4	116.5	116.5	93.4	93.4	83.5	83.5	-	-	-
32	105.2	108.4	119.5	136.8	119.3	136.4	121.2	135.1	119.7	136.8	115.0	134.1	110.3	112.8	90.7	90.7	81.4	81.4	71.0	71.0	71.0
36	-	-	99.1	119.8	99.9	119.5	100.7	118.6	99.2	119.8	98.2	118.0	96.5	108.2	87.3	87.3	78.1	78.1	69.2	69.2	69.2
40	-	-	83.3	102.9	83.7	104.5	83.3	106.0	85.3	104.7	83.9	103.0	81.8	102.7	82.5	83.6	74.2	74.4	66.8	66.8	66.8
48	-	-	-	-	62.8	84.5	64.7	85.2	64.0	83.9	64.3	84.3	64.5	83.9	62.5	75.5	61.2	64.6	58.2	59.2	59.2
56	-	-	-	-	51.0	64.5	50.8	70.3	51.8	70.0	51.9	70.7	50.6	69.0	49.6	67.8	48.1	56.4	48.0	52.3	52.3
64	-	-	-	-	-	-	41.9	59.3	43.0	60.7	42.1	59.6	41.0	57.8	40.3	59.2	39.9	49.5	39.3	46.2	46.2
72	-	-	-	-	-	-	36.1	45.6	35.6	52.2	35.0	51.1	34.0	51.9	33.4	50.7	33.4	44.2	33.0	40.7	40.7
80	-	-	-	-	-	-	-	30.4	44.4	29.7	44.3	29.1	45.6	29.7	44.0	28.2	39.7	27.7	36.0	36.0	36.0
88	-	-	-	-	-	-	-	12.5	12.5	25.4	40.7	25.7	40.3	25.4	38.5	24.1	35.6	24.4	32.4	32.4	32.4
96	-	-	-	-	-	-	-	-	-	22.4	33.8	23.2	35.7	21.9	33.9	20.9	32.3	21.0	29.3	29.3	29.3
104	-	-	-	-	-	-	-	-	-	12.0	12.0	20.4	32.0	19.1	30.2	19.0	29.2	18.2	26.8	26.8	26.8
112	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	16.9	27.0	16.9	26.5	16.2	24.4	24.4	24.4
120	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	23.9	15.4	23.8	14.9	22.3	22.3	22.3
128	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	13.7	22.5	13.4	20.4	20.4	20.4
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.2	20.2	12.0	18.2	18.2	18.2
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	16.2	16.2	16.2
1)	45.9	45.9	33.7	33.7	26.5	26.5	20.9	20.9	16.5	16.5	13.7	13.7	10.6	10.6	8.6	8.6	6.6	6.6	5.3	5.3	5.3

		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
40	60.2	60.2	51.0	51.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	55.1	55.1	49.2	49.2	41.4	41.4	39.5	39.5	-	-	-	-	-	-	-	-	-	-	-	-	-
56	47.0	49.3	45.0	45.6	39.5	39.5	33.6	33.6	-	-	-	-	-	-	-	-	-	-	-	-	-
64	38.8	43.9	37.8	41.4	36.2	36.2	31.2	31.2	27.4	27.4	26.6	26.6	25.0	25.0	22.8	22.8	21.2	21.2	-	-	-
72	32.0	39.3	32.1	37.1	31.4	33.1	28.7	28.7	25.2	25.2	25.2	25.2	24.5	24.5	22.1	22.1	20.7	20.7	19.2	19.2	19.2
80	28.0	35.1	26.8	33.4	26.2	30.4	26.3	26.6	23.3	23.3	23.3	23.3	23.3	23.3	21.4	21.4	20.2	20.2	18.7	18.7	18.7
88	23.9	31.2	23.0	30.0	23.4	27.8	22.6	24.8	21.5	21.5	21.7	21.7	21.7	21.7	20.4	20.4	19.5	19.5	18.1	18.1	18.1
96	20.4	28.0	20.8	26.9	19.9	25.4	19.8	23.2	19.6	20.2	19.4	20.2	19.4	20.2	19.0	19.3	18.5	18.5	17.4	17.4	17.4
104	18.7	25.1	18.2	24.3	17.6	23.2	17.7	21.8	17.1	18.9	16.6	18.9	16.6	19.1	16.6	18.0	16.6	17.5	16.4	16.4	16.4
112	16.4	22.8	16.0	21.9	16.2	21.1	15.4	20.2	14.6	17.8	15.3	17.8	14.2	17.6	14.2	16.9	14.4	16.5	14.6	15.6	15.6
120	14.5	20.8	14.6	19.8	14.5	19.2	14.0	18.6	12.6	16.6	13.4	16.4	12.3	16.2	12.3	15.6	12.3	15.4	12.6	14.7	14.7
128	12.9	19.2	13.4	18.1	12.8	17.4	12.4	17.2	11.0	15.6	11.7	15.2	10.6	14.9	10.6	14.5	10.6	14.3	10.8	13.8	13.8
136	12.1	17.6	11.8	16.6	11.2	15.8	11.1	15.7	9.4	14.6	10.2	14.1	9.0	13.7	9.0	13.5	9.1	13.2	9.3	13.0	13.0
144	11.1	16.2	10.4	15.3	10.2	14.6	9.8	14.2	8.0	13.7	8.9	13.1	7.6	12.4	7.6	12.4	7.8	12.2	8.0	12.2	12.2
152	10.0	14.5	9.3	14.0	9.3	13.3	8.7	12.9	6.7	12.9	7.6	12.0	6.2	11.5	6.2	11.3	6.2	11.3	6.5	11.1	11.1
160	9.0	12.8	8.3	12.9	8.3	12.3	7.6	11.9	5.4	12.0	6.4	10.9	5.0	10.5	5.0	10.3	5.0	10.3	5.3	10.3	10.3
168	-	-	7.4	11.7	7.5	11.4	6.5	11.1	4.3	11.0	5.3	9.9	3.9	9.7	3.9	9.5	3.9	9.5	4.2	9.5	9.5
176	-	-	6.7	10.3	6.5	10.5	5.4	10.5	3.2	10.1	4.3	9.0	2.8	8.7	2.8	8.5	2.8	8.5	3.2	8.7	8.7
184	-	-	-	5.7	9.9	4.6	9.8	-	9.1	3.4	8.0	-	7.9	-	7.7	-	7.7	-	7.9	-	7.9
192	-	-	-	-	-	3.8	9.1	-	8.2	-	7.1	-	7.1	-	6.9	-	6.9	-	6.9	-	7.1
200	-	-	-	-	-	-	3.0	8.4	-	7.4	-	6.5	-	6.3	-	6.2	-	6.2	-	6.3	6.3
208	-	-	-	-	-	-	-	-	6.3	-	5.8	-	5.6	-	5.6	-	5.6	-	5.6	-	5.6
216	-	-	-	-	-	-	-	-	4.9	-	5.1	-	4.9	-	4.9	-	4.9	-	4.9	-	4.9
224	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	4.3	-	4.3	-	4.3	4.3
1)	3.3	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

41,200 lb		23.00 ft x 29.10 ft										360° / Max.*				ASME B30.5					
ft		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	286.2	286.6	286.2	286.6	286.2	286.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	275.2	285.2	275.2	284.9	275.6	285.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	250.1	271.7	251.2	270.0	251.2	271.5	227.3	248.0	191.8	193.1	-	-	-	-	-	-	-	-	-	-	-
16	228.9	243.5	230.0	243.6	214.7	242.3	190.7	239.9	169.6	189.6	-	-	-	-	-	-	-	-	-	-	-
18	200.8	217.5	199.8	217.7	180.0	218.9	164.3	217.5	145.2	188.1	134.4	154.1	-	-	-	-	-	-	-	-	-
20	170.0	193.5	167.5	195.2	154.6	195.0	138.8	193.5	130.7	185.1	117.6	153.0	112.1	122.6	-	-	-	-	-	-	-
24	111.1	156.0	115.9	157.5	115.2	157.3	111.5	156.8	102.3	157.7	98.7	146.9	89.8	119.6	83.6	97.2	-	-	-	-	-
28	80.0	129.7	85.5	131.0	86.1	130.6	87.5	132.4	86.5	131.1	80.9	129.0	75.3	116.5	69.3	93.4	63.2	83.5	-	-	-
32	61.2	101.6	66.6	111.4	67.8	112.6	69.7	112.5	70.5	111.4	67.9	111.4	63.5	105.2	60.2	90.7	55.9	81.4	47.4	71.0	-
36	-	-	55.0	97.3	56.8	99.0	58.3	98.4	58.1	97.2	56.9	98.7	54.4	89.1	52.4	82.9	49.0	75.8	47.1	68.5	-
40	-	-	44.8	85.7	47.0	86.3	47.8	85.8	47.6	87.6	46.8	85.4	47.0	80.2	45.8	73.8	44.1	69.1	40.7	64.8	-
48	-	-	-	-	34.4	68.3	35.0	69.3	34.8	69.5	36.5	65.6	35.6	63.7	34.8	59.3	34.0	54.8	33.9	50.6	-
56	-	-	-	-	27.0	52.9	27.0	54.9	28.5	53.9	28.1	55.3	27.3	51.2	27.3	47.1	27.3	44.5	26.6	42.9	-
64	-	-	-	-	-	-	22.4	42.5	22.6	44.4	22.3	43.5	22.8	41.5	22.2	39.5	22.5	37.8	22.4	34.9	-
72	-	-	-	-	-	-	18.4	36.3	18.4	35.9	19.0	35.0	18.6	34.0	18.8	32.5	18.6	31.7	18.1	30.3	-
80	-	-	-	-	-	-	-	-	15.3	29.9	15.9	29.0	15.5	28.3	15.5	28.6	15.2	26.4	15.7	26.4	-
88	-	-	-	-	-	-	-	-	12.5	12.5	13.5	24.4	13.3	25.3	13.1	24.3	12.7	23.0	13.1	22.0	-
96	-	-	-	-	-	-	-	-	-	-	11.4	22.2	11.2	21.9	11.2	20.6	10.7	20.4	10.9	19.3	-
104	-	-	-	-	-	-	-	-	-	-	9.7	12.0	9.8	18.9	9.5	17.8	8.8	18.0	9.2	17.6	-
112	-	-	-	-	-	-	-	-	-	-	-	-	8.3	9.0	8.1	15.6	7.4	15.5	7.7	15.3	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	14.5	6.4	13.6	6.6	13.0	-
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	8.6	5.2	11.6	5.5	11.8	-
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	10.7	4.4	10.8	-	-
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	9.3	-
1)	45.9	45.9	33.7	33.7	23.8	26.5	17.6	20.9	13.4	16.5	10.4	13.7	7.9	10.6	5.7	8.6	3.7	6.6	2.4	5.3	-

ft		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
40	39.5	59.6	37.5	50.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	31.7	48.7	31.3	45.6	29.4	40.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	26.8	39.4	25.4	38.4	24.6	35.8	22.1	33.6	-	-	-	-	-	-	-	-	-	-	-	-	-
64	21.8	34.0	21.5	31.2	20.0	30.6	17.8	29.2	14.7	27.4	15.5	26.6	13.5	25.0	13.3	22.8	13.3	21.2	-	-	-
72	18.2	28.8	17.5	27.2	16.4	25.7	14.4	24.7	11.3	24.1	12.2	23.0	10.2	22.8	10.2	22.1	10.2	20.7	10.2	19.2	-
80	15.0	24.5	14.3	24.7	13.5	22.4	11.5	21.7	8.7	19.9	9.5	18.9	7.6	18.6	7.6	18.6	7.6	18.6	7.8	18.3	-
88	12.4	21.9	11.8	20.9	11.0	20.4	9.2	18.5	6.3	16.7	7.3	15.6	5.4	15.3	5.3	15.1	5.3	15.1	5.5	15.3	-
96	10.3	19.1	9.7	18.0	8.9	18.1	7.2	17.1	4.5	14.2	5.4	13.2	3.6	13.0	3.4	12.8	3.6	12.8	3.8	12.8	-
104	8.6	16.2	7.9	16.7	7.3	15.5	5.5	14.7	2.8	11.8	3.7	10.9	-	10.7	-	10.4	-	10.4	-	10.4	-
112	7.2	14.9	6.5	14.4	5.7	13.8	4.1	12.2	-	9.4	-	8.7	-	8.3	-	8.3	-	8.3	-	8.3	-
120	5.9	13.6	5.2	12.6	4.3	12.2	-	10.2	-	7.6	-	6.7	-	6.5	-	6.5	-	6.5	-	6.5	-
128	4.7	12.0	4.0	11.1	3.0	10.7	-	8.7	-	5.9	-	5.2	-	5.0	-	4.8	-	4.8	-	4.8	-
136	3.5	10.1	2.9	10.3	-	9.2	-	7.5	-	4.7	-	3.8	-	3.6	-	3.5	-	3.5	-	3.5	-
144	2.7	8.7	-	8.7	-	7.8	-	6.4	-	3.6	-	2.7	-	2.5	-	2.5	-	2.5	-	2.5	-
152	-	7.9	-	7.4	-	6.5	-	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-
160	-	7.2	-	6.4	-	5.4	-	4.3	-	-	-	-	-	-	-	-	-	-	-	-	-
168	-	-	-	5.5	-	4.5	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-
176	-	-	-	4.5	-	3.6	-	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-
184	-	-	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1)	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

0 lb		23.00 ft x 29.10 ft										360° / Max.*						ASME B30.5			
ft		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	285.8	286.6	285.8	286.6	280.5	286.6	229.1	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	270.8	282.0	256.3	282.0	205.7	281.6	173.7	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	223.2	256.6	184.2	256.7	158.0	255.4	140.3	245.4	123.5	193.1	-	-	-	-	-	-	-	-	-	-	-
16	162.3	222.2	142.0	223.9	125.7	223.7	112.6	222.2	104.6	189.6	-	-	-	-	-	-	-	-	-	-	-
18	124.0	194.7	115.8	196.4	106.4	196.1	98.7	194.6	89.3	178.9	80.3	145.4	-	-	-	-	-	-	-	-	-
20	91.8	170.0	94.8	171.6	90.1	171.3	83.8	173.0	75.9	163.6	69.5	139.4	65.2	119.8	-	-	-	-	-	-	-
24	57.7	136.7	66.0	138.3	67.4	138.5	63.7	132.9	58.3	118.6	57.0	105.1	51.5	98.9	49.2	86.2	-	-	-	-	-
28	39.7	113.2	46.7	115.6	49.6	110.3	49.7	99.1	49.6	92.2	45.9	87.0	43.2	76.8	41.2	69.5	39.4	61.9	-	-	-
32	28.8	95.6	34.9	93.1	38.5	85.4	39.8	81.0	40.4	75.9	38.0	69.6	37.1	63.7	35.3	59.4	32.9	53.7	28.9	46.1	-
36	-	-	27.7	74.2	31.0	70.5	32.7	66.6	33.0	64.3	32.7	57.6	31.7	53.0	30.2	49.9	28.2	47.5	27.4	43.3	-
40	-	-	21.6	61.9	25.1	58.0	26.4	57.6	27.3	53.6	27.8	49.1	27.3	46.9	25.7	43.7	24.0	41.1	23.3	39.8	-
48	-	-	-	-	17.5	42.6	18.6	42.5	19.9	39.6	19.9	38.2	20.1	37.6	19.3	34.2	17.9	33.1	17.7	31.1	-
56	-	-	-	-	12.6	31.3	13.5	31.9	14.6	31.0	14.6	31.7	14.9	29.7	14.6	28.0	13.6	26.7	13.5	26.0	-
64	-	-	-	-	-	-	10.1	24.7	11.0	26.2	11.0	25.5	11.2	23.6	11.0	23.9	10.1	22.9	10.3	22.0	-
72	-	-	-	-	-	-	7.5	20.6	8.4	20.8	8.4	20.6	8.7	21.0	8.2	19.5	7.5	20.1	7.6	18.4	-
80	-	-	-	-	-	-	-	6.4	16.9	6.4	17.2	6.6	17.3	6.3	16.8	5.5	16.4	5.7	16.2	-	-
88	-	-	-	-	-	-	-	4.7	12.5	4.7	14.5	5.0	14.2	4.5	14.2	3.8	13.2	4.1	13.6	-	-
96	-	-	-	-	-	-	-	-	-	-	3.3	12.3	3.5	12.0	3.1	12.1	-	10.9	-	11.1	-
104	-	-	-	-	-	-	-	-	-	-	-	10.4	-	10.2	-	10.2	-	9.2	-	9.1	-
112	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	8.5	-	7.6	-	7.7	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	-	6.3	-	6.5	-	-
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	5.0	-	5.3	-	-
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	4.2	-	-
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-
1)	26.5	45.6	15.4	33.7	10.1	26.5	6.8	19.8	4.6	14.3	2.4	11.0	-	8.4	-	5.5	-	3.5	-	2.2	-


ft		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
36	-	39.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	21.4	36.8	17.7	35.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	16.0	30.6	13.9	28.8	12.0	26.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	11.9	25.1	10.2	23.9	8.5	21.9	-	18.9	-	-	-	-	-	-	-	-	-	-	-	-	-
64	8.9	20.9	7.3	19.4	5.6	17.6	-	15.3	-	12.1	-	10.9	-	10.5	-	10.4	-	10.4	-	-	-
72	6.4	17.7	4.9	15.7	3.6	14.0	-	12.0	-	9.1	-	8.2	-	7.8	-	7.6	-	7.6	-	7.6	-
80	4.6	15.1	-	12.9	-	11.0	-	9.1	-	6.2	-	5.3	-	4.9	-	4.7	-	4.7	-	4.7	-
88	2.9	12.5	-	10.7	-	8.8	-	6.7	-	3.9	-	-	-	-	-	-	-	-	-	-	-
96	-	10.1	-	8.6	-	7.1	-	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-
104	-	8.2	-	6.8	-	5.3	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-
112	-	6.5	-	5.2	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120	-	5.2	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128	-	4.2	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

113,800 lb		18.20 ft x 29.10 ft										360° / Max.*				ASME B30.5					
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	285.5	286.6	285.6	286.6	285.6	286.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	268.3	285.2	269.4	284.9	269.4	285.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	241.8	272.8	242.9	270.6	242.9	272.7	239.3	248.0	193.1	193.1	-	-	-	-	-	-	-	-	-	-	-
16	220.0	251.3	221.2	249.9	221.1	250.2	220.0	245.5	189.6	189.6	-	-	-	-	-	-	-	-	-	-	-
18	202.0	232.7	203.4	232.4	203.2	232.0	200.3	231.8	181.2	188.1	154.1	154.1	-	-	-	-	-	-	-	-	-
20	184.4	215.2	186.0	215.9	185.8	214.9	180.8	215.8	170.3	187.2	151.1	153.0	122.6	122.6	-	-	-	-	-	-	-
24	145.5	185.3	147.7	185.5	147.4	186.4	147.5	185.1	137.7	177.8	129.2	149.7	116.7	119.6	97.2	97.2	-	-	-	-	-
28	111.1	157.8	113.4	159.2	115.4	158.9	114.9	157.6	112.2	156.1	111.1	146.4	101.5	116.5	93.4	93.4	83.5	83.5	-	-	-
32	88.8	108.4	91.8	136.8	92.5	136.4	93.0	135.1	94.0	136.8	92.4	134.1	92.0	112.8	85.2	90.7	79.4	81.4	71.0	71.0	71.0
36	-	-	77.1	119.8	77.7	119.5	79.9	118.6	79.1	119.8	78.3	118.0	79.6	108.2	74.7	87.3	71.2	78.1	65.5	69.2	69.2
40	-	-	65.7	102.9	67.0	104.5	67.0	106.0	68.2	104.7	68.3	103.0	66.7	102.7	65.9	83.6	63.7	74.4	59.9	66.8	66.8
48	-	-	-	-	50.9	84.5	52.3	85.2	52.8	83.9	52.0	84.3	50.7	83.9	50.4	75.5	49.6	64.6	48.9	59.2	59.2
56	-	-	-	-	41.5	64.5	42.1	70.3	41.8	70.0	41.2	70.7	40.6	69.0	39.6	67.8	39.8	56.4	39.1	52.3	52.3
64	-	-	-	-	-	-	34.4	59.3	34.0	60.7	33.4	59.6	33.1	57.8	33.5	59.2	32.1	49.5	32.5	46.2	46.2
72	-	-	-	-	-	-	28.8	45.6	28.3	52.2	27.7	51.1	28.8	51.9	27.7	50.7	27.6	44.2	26.8	40.7	40.7
80	-	-	-	-	-	-	-	-	24.1	44.4	25.1	44.3	24.5	45.6	23.5	44.0	23.4	39.7	23.2	36.0	36.0
88	-	-	-	-	-	-	-	-	12.5	12.5	21.8	40.7	21.0	40.3	20.4	38.5	20.4	35.6	20.4	32.4	32.4
96	-	-	-	-	-	-	-	-	-	-	18.9	33.8	18.2	35.7	17.7	33.9	17.8	32.3	17.6	29.3	29.3
104	-	-	-	-	-	-	-	-	-	-	12.0	12.0	15.7	32.0	16.3	30.2	15.7	29.2	15.1	26.8	26.8
112	-	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	14.4	26.7	13.6	26.0	13.8	24.4	24.4
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.7	23.5	12.2	23.8	12.6	22.1	22.1
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	11.2	22.1	11.1	19.7	19.7
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.3	20.0	9.9	17.5	17.5
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	15.3	15.3
1)	45.9	45.9	33.7	33.7	26.5	26.5	20.9	20.9	16.5	16.5	13.7	13.7	10.6	10.6	8.6	8.6	6.6	6.6	5.3	5.3	5.3

		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
40	57.0	60.2	50.7	51.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	47.0	55.1	44.5	49.2	40.8	41.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	38.4	49.3	37.7	45.6	36.0	39.5	33.6	33.6	-	-	-	-	-	-	-	-	-	-	-	-	-
64	31.8	43.9	30.7	41.4	30.6	36.2	29.7	31.2	27.4	27.4	26.6	26.6	25.0	25.0	22.8	22.8	21.2	21.2	-	-	-
72	26.3	39.3	26.7	37.1	25.7	33.1	25.0	28.7	25.2	25.2	24.3	25.2	24.1	24.5	22.1	22.1	20.7	20.7	19.2	19.2	19.2
80	23.2	35.1	22.6	33.4	22.2	30.4	22.1	26.6	21.3	23.3	20.6	23.3	20.4	23.3	20.2	21.4	19.9	20.2	18.6	18.7	18.7
88	19.7	31.2	19.6	30.0	19.7	27.8	19.1	24.8	17.9	21.5	18.4	21.7	17.2	21.7	17.1	20.4	17.1	19.5	17.2	18.1	18.1
96	17.2	28.0	17.5	26.9	16.9	25.4	16.7	23.2	15.1	20.2	15.8	20.2	14.5	20.2	14.4	19.3	14.4	18.5	14.6	17.4	17.4
104	15.8	25.1	15.1	24.3	14.9	23.2	14.4	21.8	12.6	18.9	13.5	18.9	12.2	19.1	12.2	18.0	12.2	17.5	12.2	16.4	16.4
112	14.0	22.8	13.2	21.9	13.3	21.1	12.5	20.2	10.7	17.8	11.4	17.8	10.3	17.6	10.0	16.9	10.0	16.5	10.3	15.6	15.6
120	12.2	20.8	12.0	19.8	11.5	19.2	10.6	18.6	8.9	16.6	9.8	16.4	8.4	16.2	8.4	15.6	8.4	15.4	8.7	14.7	14.7
128	10.7	19.2	10.7	18.1	10.0	17.4	9.1	17.2	7.5	15.6	8.3	15.2	6.8	14.9	6.8	14.5	6.9	14.3	7.0	13.8	13.8
136	9.3	17.6	9.5	16.6	8.7	15.8	8.0	15.7	5.9	14.6	6.9	14.1	5.4	13.7	5.4	13.5	5.6	13.2	5.6	13.0	13.0
144	8.4	15.5	8.2	15.3	7.5	14.6	6.7	14.2	4.5	13.7	5.6	13.1	4.0	12.4	4.0	12.4	4.2	12.2	4.5	12.2	12.2
152	7.8	13.6	7.4	14.0	6.7	13.3	5.6	12.9	3.4	12.9	4.3	12.0	-	11.5	-	11.3	2.9	11.3	3.2	11.1	11.1
160	7.0	11.9	6.4	12.6	5.6	12.3	4.5	11.9	-	12.0	3.3	10.9	-	10.5	-	10.3	-	10.3	-	10.3	10.3
168	-	-	5.6	11.0	4.6	11.4	3.6	11.1	-	11.0	-	9.9	-	9.7	-	9.5	-	9.5	-	9.5	9.5
176	-	-	4.7	10.0	3.7	10.5	2.8	10.5	-	10.1	-	9.0	-	8.7	-	8.5	-	8.5	-	8.7	8.7
184	-	-	-	9.9	3.0	9.9	-	9.8	-	9.1	-	8.0	-	7.9	-	7.7	-	7.7	-	7.9	7.9
192	-	-	-	-	-	-	-	9.1	-	8.2	-	7.1	-	7.1	-	6.9	-	6.9	-	7.1	7.1
200	-	-	-	-	-	-	-	8.1	-	7.2	-	6.5	-	6.3	-	6.2	-	6.2	-	6.3	6.3
208	-	-	-	-	-	-	-	-	-	6.1	-	5.8	-	5.6	-	5.6	-	5.6	-	5.6	5.6
216	-	-	-	-	-	-	-	-	-	4.9	-	5.1	-	4.9	-	4.9	-	4.9	-	4.9	4.9
224	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	4.1	-	4.1	-	4.3	4.3
1)	3.3	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

41,200 lb		18.20 ft x 29.10 ft										360° / Max.*				ASME B30.5					
ft		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
1,000 lb																					
10	284.1	286.6	284.2	286.6	281.2	286.6	234.8	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	253.2	285.2	248.4	284.9	217.2	285.6	191.6	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	221.3	271.7	200.2	270.0	178.3	271.5	156.1	248.0	143.7	193.1	-	-	-	-	-	-	-	-	-	-	-
16	177.2	243.5	162.6	243.6	147.0	242.3	135.8	239.9	122.1	189.6	-	-	-	-	-	-	-	-	-	-	-
18	139.9	217.5	137.4	217.7	125.8	218.9	118.1	217.5	109.4	188.1	101.6	154.1	-	-	-	-	-	-	-	-	-
20	107.8	193.5	114.5	195.2	111.0	195.0	102.0	193.5	97.8	185.1	89.4	153.0	-	-	-	-	-	-	-	-	-
24	75.1	156.0	81.0	157.5	82.7	157.3	83.6	156.8	78.5	157.7	72.2	146.2	68.2	119.6	54.4	97.2	-	-	-	-	-
28	55.7	129.7	61.8	131.0	64.4	130.6	65.2	132.4	64.0	131.1	60.9	123.1	57.6	112.9	46.3	93.4	49.5	83.5	-	-	-
32	43.2	101.6	48.6	111.4	50.9	112.6	51.8	112.5	51.5	111.4	51.1	106.9	49.9	96.0	40.2	90.7	44.8	81.4	40.8	71.0	-
36	-	-	40.1	97.3	42.3	99.0	43.1	98.4	42.8	94.2	44.3	90.6	42.7	84.5	36.3	79.3	39.5	72.4	36.9	65.4	-
40	-	-	32.7	85.3	35.6	85.7	35.6	85.3	37.3	83.5	37.1	77.0	36.0	75.9	27.4	69.6	34.2	63.9	34.0	59.8	-
48	-	-	-	-	26.2	64.6	27.4	65.6	27.9	63.3	27.4	62.9	28.3	57.8	21.9	54.1	28.1	50.9	27.0	48.7	-
56	-	-	-	-	20.0	49.5	21.5	49.7	21.5	50.9	22.1	49.0	21.9	46.1	17.7	43.1	21.7	41.6	21.8	39.4	-
64	-	-	-	-	-	-	16.9	40.0	17.3	40.4	17.8	39.2	17.6	36.7	14.2	35.5	17.1	34.3	17.3	33.2	-
72	-	-	-	-	-	-	13.5	32.8	14.4	32.4	14.4	31.3	14.6	30.6	11.7	30.3	13.7	28.3	14.0	28.1	-
80	-	-	-	-	-	-	-	-	11.8	26.8	11.8	26.0	12.0	27.2	9.6	25.7	11.1	24.8	11.3	23.3	-
88	-	-	-	-	-	-	-	-	9.7	12.5	9.7	23.2	9.9	23.0	8.0	21.1	9.1	21.1	9.3	21.0	-
96	-	-	-	-	-	-	-	-	-	-	8.1	20.5	8.2	19.5	6.6	18.6	7.3	18.4	7.5	18.2	-
104	-	-	-	-	-	-	-	-	-	-	6.8	12.0	6.8	16.8	5.2	16.4	5.9	16.3	6.1	15.1	-
112	-	-	-	-	-	-	-	-	-	-	-	-	5.7	9.0	4.2	15.1	4.6	14.0	5.0	13.8	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	13.0	3.5	12.2	3.7	12.6	-
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	11.1	2.6	11.0	-
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.3	-	9.4	-
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	-
1)	40.3	45.6	24.9	33.7	17.6	26.5	12.8	20.9	9.7	16.5	7.1	13.7	5.3	10.6	2.9	8.6	-	6.6	-	5.3	-


ft		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
1,000 lb																					
36	33.5	39.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	32.1	56.4	29.5	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	26.5	44.9	24.2	43.4	22.3	39.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	21.2	38.1	19.3	34.5	17.5	33.3	15.3	31.9	-	-	-	-	-	-	-	-	-	-	-	-	-
64	16.7	31.2	15.5	29.5	13.9	28.1	11.9	26.9	8.8	26.1	9.7	24.8	-	24.2	-	22.8	-	21.2	-	-	-
72	13.3	26.3	12.4	25.7	10.9	24.1	9.1	23.5	6.2	21.7	7.1	20.6	-	19.9	-	19.7	-	19.7	-	19.2	-
80	10.9	23.7	10.0	21.9	8.5	21.8	6.8	19.6	3.9	17.7	5.0	16.9	-	16.5	-	16.4	-	16.5	-	16.6	-
88	8.7	19.9	8.0	19.6	6.6	18.9	4.9	17.6	-	14.4	3.1	13.6	-	13.3	-	13.2	-	13.3	-	13.3	-
96	7.1	17.2	6.2	17.2	4.9	16.3	3.3	15.1	-	12.0	-	11.2	-	10.9	-	10.7	-	10.7	-	10.6	-
104	5.7	15.8	4.8	14.8	3.5	14.4	-	12.5	-	9.6	-	8.9	-	8.5	-	8.5	-	8.5	-	8.5	-
112	4.1	13.8	3.5	13.2	-	12.3	-	10.3	-	7.6	-	6.7	-	6.5	-	6.5	-	6.5	-	6.5	-
120	3.1	11.6	-	11.8	-	10.6	-	8.7	-	5.8	-	5.0	-	4.9	-	4.7	-	4.7	-	4.8	-
128	-	10.2	-	9.8	-	8.8	-	7.3	-	4.6	-	3.7	-	3.5	-	3.3	-	3.3	-	3.5	-
136	-	9.2	-	8.4	-	7.2	-	5.8	-	3.4	-	2.7	-	2.4	-	2.4	-	2.4	-	2.4	-
144	-	8.4	-	7.3	-	5.8	-	4.7	-	2.3	-	-	-	-	-	-	-	-	-	-	-
152	-	6.9	-	6.2	-	5.0	-	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-
160	-	5.9	-	5.2	-	4.2	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-
168	-	-	-	4.2	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
176	-	-	-	3.4	-	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1)	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

0 lb		18.20 ft x 29.10 ft										360° / Max.*				ASME B30.5					
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	251.4	286.6	198.3	286.6	162.2	286.6	138.0	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	165.8	282.0	144.6	282.0	124.8	281.6	113.0	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	120.0	256.6	110.1	256.7	102.2	255.4	91.4	245.4	80.8	193.1	-	-	-	-	-	-	-	-	-	-	-
16	91.6	222.2	89.8	223.9	83.4	223.7	76.0	222.2	70.8	189.6	64.9	-	-	-	-	-	-	-	-	-	-
18	71.2	194.7	74.8	196.4	70.7	196.1	65.2	190.5	62.6	167.1	56.7	140.5	-	-	-	-	-	-	-	-	-
20	53.3	170.0	61.6	171.6	61.4	170.5	57.8	170.2	54.1	139.9	50.6	129.0	48.1	112.3	-	-	-	-	-	-	-
24	34.9	136.7	41.9	136.4	46.0	131.1	45.4	113.3	42.5	105.7	41.0	98.9	38.6	87.7	35.5	78.7	-	-	-	-	-
28	24.2	108.5	30.3	105.7	34.0	94.9	35.6	88.8	35.3	84.6	33.3	76.2	31.6	69.8	29.1	64.1	27.1	56.6	-	-	-
32	17.3	81.1	22.7	82.6	26.5	75.7	27.9	72.9	28.9	67.3	27.5	61.5	26.2	57.2	24.2	52.9	22.5	50.1	18.9	44.6	-
36	-	-	17.8	64.8	21.4	61.1	22.6	61.5	23.9	56.2	23.2	50.7	22.2	48.4	20.6	45.9	19.0	42.7	18.5	41.2	-
40	-	-	13.7	52.6	17.0	52.7	18.1	50.0	19.3	46.6	19.4	44.5	18.8	42.6	17.2	39.8	15.9	38.5	15.5	35.9	-
48	-	-	-	-	11.5	37.1	12.6	36.1	13.4	34.8	13.7	35.9	13.7	33.4	12.5	31.7	11.4	30.1	11.2	29.5	-
56	-	-	-	-	7.7	27.7	8.7	27.6	9.6	28.9	9.8	27.9	10.0	26.1	9.1	26.3	8.0	25.6	8.0	24.1	-
64	-	-	-	-	-	-	6.0	22.8	6.9	22.7	7.1	22.3	7.3	22.4	6.4	21.0	5.3	21.3	5.5	20.3	-
72	-	-	-	-	-	-	3.8	18.4	4.9	18.4	4.9	18.8	5.1	18.4	4.5	17.7	3.3	17.3	3.6	17.3	-
80	-	-	-	-	-	-	-	-	-	15.2	-	15.4	3.3	15.2	-	14.9	-	13.9	-	14.3	-
88	-	-	-	-	-	-	-	-	-	12.4	-	13.1	-	12.5	-	12.7	-	11.4	-	11.5	-
96	-	-	-	-	-	-	-	-	-	-	-	10.8	-	10.6	-	10.1	-	9.2	-	9.5	-
104	-	-	-	-	-	-	-	-	-	-	-	9.0	-	9.0	-	8.2	-	7.5	-	7.7	-
112	-	-	-	-	-	-	-	-	-	-	-	-	-	7.6	-	6.8	-	5.9	-	6.1	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	-	4.7	-	4.8	-
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	-	3.7	-	3.7	-
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	2.8	-
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-
1)	15.7	45.6	9.3	33.7	6.0	24.7	3.1	17.4	-	13.0	-	9.5	-	7.1	-	4.4	-	2.4	-	-	-


		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
36	-	37.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	13.8	35.3	-	33.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9.7	28.1	-	27.0	-	24.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	6.8	23.2	-	21.5	-	19.3	-	17.1	-	-	-	-	-	-	-	-	-	-	-	-	-
64	4.2	18.9	-	17.3	-	15.5	-	13.1	-	10.0	-	9.1	-	8.9	-	8.7	-	8.7	-	-	-
72	2.5	15.9	-	13.7	-	12.2	-	10.0	-	7.1	-	6.2	-	6.0	-	5.8	-	5.8	-	5.6	-
80	-	13.0	-	11.3	-	9.3	-	7.3	-	4.5	-	-	-	-	-	-	-	-	-	-	-
88	-	10.4	-	9.0	-	7.4	-	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-
96	-	8.3	-	7.0	-	5.4	-	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-
104	-	6.6	-	5.1	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112	-	5.4	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120	-	4.1	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA


41,200 lb		13.60 ft x 29.10 ft										360° / Max.*				ASME B30.5					
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	236.5	286.6	205.2	286.6	175.4	286.6	157.0	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	179.5	285.2	160.2	284.9	145.3	285.6	128.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	139.5	271.7	132.3	270.0	120.4	271.5	112.8	248.0	102.2	193.1	-	-	-	-	-	-	-	-	-	-	-
16	107.3	243.5	110.4	243.6	103.1	242.3	96.8	239.9	88.5	189.6	75.0	-	-	-	-	-	-	-	-	-	-
18	86.8	217.5	92.1	217.7	91.7	218.9	85.2	217.5	78.4	188.1	72.6	154.1	-	-	-	-	-	-	-	-	-
20	69.7	193.5	76.7	195.2	79.4	195.0	74.8	193.5	69.2	185.1	66.7	153.0	61.5	122.6	-	-	-	-	-	-	-
24	50.1	156.0	56.1	157.5	58.7	157.3	59.4	156.8	56.4	157.7	55.2	144.1	50.5	119.6	49.0	97.2	-	-	-	-	-
28	37.6	129.7	43.1	131.0	46.3	130.6	46.1	132.4	48.1	129.9	46.1	120.4	43.6	110.4	41.7	93.4	40.4	83.5	-	-	-
32	29.2	101.6	34.2	111.4	37.1	112.6	38.5	112.5	38.9	105.1	38.3	102.0	38.2	92.6	36.6	88.1	34.6	81.4	31.0	71.0	-
36	-	-	28.2	96.2	31.0	96.9	32.3	95.2	32.6	91.6	33.0	86.0	32.7	82.0	32.1	76.2	30.2	71.3	29.5	64.3	-
40	-	-	23.0	82.8	26.1	83.3	27.2	79.9	27.8	78.2	28.3	75.0	28.1	71.5	27.8	66.7	26.2	63.5	25.8	57.4	-
48	-	-	-	-	19.1	59.6	20.0	60.3	21.1	58.5	21.1	58.4	21.5	54.4	21.1	51.3	20.2	48.2	20.2	46.6	-
56	-	-	-	-	14.3	46.1	15.2	46.4	16.2	47.0	16.3	45.0	16.5	42.6	16.2	40.5	15.4	39.5	15.9	37.6	-
64	-	-	-	-	-	-	11.8	37.8	12.6	36.9	12.8	35.5	13.0	34.1	12.6	34.2	11.9	31.7	12.3	31.4	-
72	-	-	-	-	-	-	9.1	30.4	10.0	30.1	10.0	28.4	10.2	29.8	10.0	27.7	9.3	27.6	9.5	25.9	-
80	-	-	-	-	-	-	-	-	7.9	24.7	8.1	25.2	8.1	24.6	7.9	23.4	7.2	22.6	7.6	23.0	-
88	-	-	-	-	-	-	-	-	6.4	12.5	6.4	22.1	6.6	21.1	6.3	19.6	5.6	20.0	5.8	19.2	-
96	-	-	-	-	-	-	-	-	-	-	5.0	18.8	5.3	17.6	4.8	17.7	4.0	16.9	4.4	16.3	-
104	-	-	-	-	-	-	-	-	-	-	3.7	12.0	3.9	15.3	3.5	15.5	2.8	14.3	3.0	14.9	-
112	-	-	-	-	-	-	-	-	-	-	-	-	-	9.0	-	13.1	-	12.9	-	13.1	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5	-	11.7	-	11.2	-
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	10.5	-	9.5	-
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	8.3	-
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	-
1)	27.1	45.6	17.2	33.7	12.1	26.5	8.6	20.9	6.4	16.5	4.0	13.7	2.2	10.6	-	8.6	-	6.6	-	5.3	-


		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
40	23.8	55.6	20.5	50.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	18.5	43.5	16.6	41.8	14.8	39.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	14.6	36.3	12.8	32.6	11.2	32.3	9.2	30.8	-	-	-	-	-	-	-	-	-	-	-	-	-
64	11.4	29.1	9.8	28.8	8.3	26.6	6.4	26.4	-	24.8	-	23.8	-	23.0	-	22.5	-	21.2	-	-	-
72	8.9	25.9	7.3	24.1	6.0	23.9	4.2	21.7	-	20.2	-	19.0	-	18.8	-	18.8	-	18.8	-	18.5	-
80	6.8	21.9	5.5	21.5	4.2	20.4	-	19.3	-	16.2	-	15.3	-	15.1	-	14.9	-	14.9	-	15.1	-
88	5.1	18.6	3.9	19.1	-	17.8	-	16.2	-	13.2	-	12.3	-	12.2	-	12.0	-	12.0	-	12.0	-
96	3.7	16.9	-	15.7	-	15.6	-	13.4	-	10.5	-	9.6	-	9.4	-	9.3	-	9.3	-	9.4	-
104	-	14.4	-	14.1	-	12.9	-	11.1	-	8.4	-	7.5	-	7.3	-	7.2	-	7.2	-	7.1	-
112	-	12.1	-	12.2	-	10.7	-	8.9	-	6.3	-	5.6	-	5.4	-	5.4	-	5.4	-	5.4	-
120	-	11.0	-	10.1	-	9.3	-	7.3	-	4.7	-	4.0	-	3.8	-	3.8	-	3.8	-	3.9	-
128	-	9.7	-	8.4	-	7.5	-	6.1	-	3.4	-	-	-	-	-	-	-	-	-	-	-
136	-	8.2	-	7.2	-	6.0	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-
144	-	6.9	-	6.0	-	4.9	-	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-
152	-	5.9	-	4.9	-	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160	-	5.2	-	3.9	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
168	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
176	-	-	-	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1)	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions


Operation


0 lb		13.60 ft x 29.10 ft										360° / Max.*				ASME B30.5					
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	117.2	286.6	107.9	286.6	95.8	286.6	84.2	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	85.2	282.0	82.7	282.0	77.7	281.6	71.1	248.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	64.9	256.6	65.6	256.7	63.5	255.4	59.2	245.4	55.2	193.1	-	-	-	-	-	-	-	-	-	-	-
16	49.5	222.2	53.5	223.9	52.9	223.7	50.2	222.2	47.3	189.6	41.6	-	-	-	-	-	-	-	-	-	-
18	38.8	194.7	44.7	196.4	45.4	196.1	43.5	181.4	41.5	162.0	38.4	137.0	-	-	-	-	-	-	-	-	-
20	29.7	170.0	36.7	171.4	38.7	168.9	37.4	153.1	36.2	134.4	33.6	122.2	31.4	112.0	-	-	-	-	-	-	-
24	19.2	134.2	25.3	130.8	29.3	117.8	29.1	109.0	28.4	97.2	26.7	94.0	25.1	84.1	22.8	76.0	-	-	-	-	-
28	12.6	99.0	18.1	93.1	21.8	87.0	22.9	81.2	22.8	78.6	21.4	70.9	20.3	65.0	18.4	61.0	16.9	53.8	-	-	-
32	7.9	68.8	13.2	72.1	16.6	68.4	17.9	67.1	18.5	62.2	17.5	56.9	16.6	54.0	15.0	50.0	13.6	47.3	-	-	43.1
36	-	-	9.9	57.0	13.1	56.4	14.4	55.8	15.2	51.0	14.5	48.3	13.8	46.6	12.4	43.4	11.1	40.9	11.0	39.7	-
40	-	-	6.9	44.3	10.0	45.8	11.3	45.0	12.2	43.1	11.8	43.0	11.4	40.0	10.1	36.7	8.8	36.5	8.8	34.6	-
48	-	-	-	-	6.2	32.6	7.2	32.4	8.2	33.6	8.1	33.1	7.6	30.4	6.7	30.5	5.5	29.0	5.5	28.2	-
56	-	-	-	-	-	25.2	4.2	26.1	5.3	26.0	5.3	25.1	5.0	25.2	4.1	23.9	3.0	24.0	3.2	22.9	-
64	-	-	-	-	-	-	-	20.7	3.1	20.5	3.1	20.7	3.0	20.3	-	20.0	-	19.5	-	19.2	-
72	-	-	-	-	-	-	-	16.6	-	17.0	-	17.0	-	17.0	-	16.4	-	15.7	-	15.7	-
80	-	-	-	-	-	-	-	-	-	13.9	-	13.9	-	13.6	-	13.5	-	12.4	-	12.8	-
88	-	-	-	-	-	-	-	-	-	11.5	-	11.5	-	11.3	-	10.9	-	10.1	-	10.2	-
96	-	-	-	-	-	-	-	-	-	-	-	9.4	-	9.4	-	8.7	-	7.9	-	8.3	-
104	-	-	-	-	-	-	-	-	-	-	-	7.7	-	7.7	-	7.0	-	6.2	-	6.6	-
112	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	5.9	-	4.8	-	5.0	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	-	3.7	-	3.7	-
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	2.6	-	3.0	-
1)	6.8	45.6	3.3	32.2	-	22.0	-	15.7	-	11.5	-	8.2	-	5.7	-	3.3	-	-	-	-	-

		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
36	-	36,2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	34,2	-	31,6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	26,8	-	25,4	-	23,4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	22,0	-	20,0	-	18,2	-	15,9	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	17,8	-	15,8	-	14,2	-	12,2	-	9,0	-	8,0	-	7,8	-	7,6	-	7,6	-	-	-
72	-	14,2	-	12,6	-	11,1	-	8,9	-	5,8	-	4,9	-	4,7	-	4,5	-	4,5	-	4,5	-
80	-	11,7	-	9,8	-	8,2	-	6,3	-	-	-	-	-	-	-	-	-	-	-	-	-
88	-	9,2	-	7,7	-	6,2	-	4,1	-	-	-	-	-	-	-	-	-	-	-	-	-
96	-	7,2	-	5,8	-	4,3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
104	-	5,7	-	4,2	-	2,8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112	-	4,3	-	3,0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120	-	3,1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

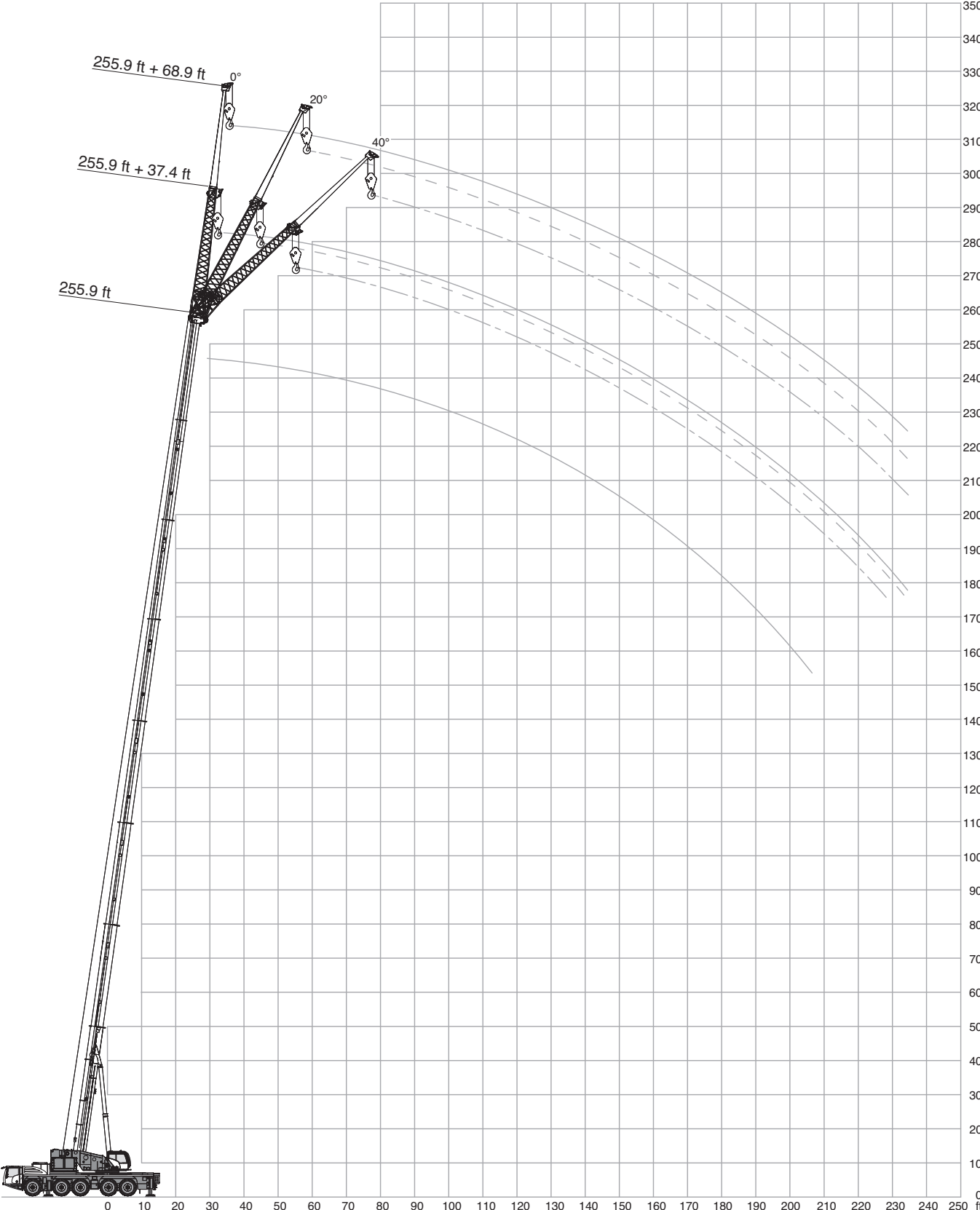
* Max. values are valid only for specific superstructure positions

0 lb		9.00 ft x 29.10 ft										360° / Max.*				ASME B30.5					
		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		42.0	42.0	55.4	55.4	68.9	68.9	82.3	82.3	95.8	95.8	109.3	109.3	122.7	122.7	136.2	136.2	149.6	149.6	162.4	162.4
ft		1,000 lb																			
10	53.8	286.6	54.2	286.6	52.1	157.1	48.5	102.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12	40.2	282.0	42.8	282.0	42.4	157.2	40.3	103.4	-	-	-	-	-	-	-	-	-	-	-	-	-
14	29.9	256.6	34.5	256.7	35.1	161.9	33.8	105.1	32.2	75.2	-	-	-	-	-	-	-	-	-	-	-
16	21.9	222.2	28.1	223.9	29.5	167.3	28.5	107.0	27.5	74.1	23.5	57.9	-	-	-	-	-	-	-	-	-
18	16.9	194.7	22.8	196.4	25.2	167.3	24.7	105.0	23.9	75.2	22.2	58.4	-	-	-	-	-	-	-	-	-
20	12.5	170.0	18.0	170.3	21.3	166.3	21.2	107.3	20.5	76.2	19.2	59.0	17.7	47.9	-	-	-	-	-	-	-
24	6.0	132.0	12.0	123.6	15.3	112.3	15.9	103.9	15.8	78.7	14.8	59.1	13.7	47.0	12.2	38.9	-	-	-	-	-
28	-	89.0	7.6	88.4	11.0	84.3	12.0	79.1	12.3	74.2	11.5	59.5	10.7	46.5	9.2	39.7	-	32.1	-	-	-
32	-	60.6	4.2	66.5	8.0	65.7	9.0	64.5	9.4	60.0	8.9	55.4	8.2	47.6	6.8	38.9	-	32.5	-	25.1	-
36	-	-	-	52.2	5.6	54.0	6.7	52.7	7.2	49.3	6.8	46.6	6.3	43.9	5.0	37.9	-	33.3	-	28.2	-
40	-	-	-	40.0	-	42.4	-	42.9	5.3	41.1	4.9	41.9	4.6	38.9	-	36.5	-	33.6	-	28.5	-
48	-	-	-	-	-	31.0	-	30.4	-	32.1	-	31.4	-	29.8	-	29.7	-	28.7	-	26.7	-
56	-	-	-	-	-	23.2	-	24.2	-	24.5	-	23.8	-	24.5	-	23.7	-	23.2	-	22.5	-
64	-	-	-	-	-	-	-	19.3	-	19.1	-	19.7	-	19.3	-	19.3	-	18.7	-	18.5	-
72	-	-	-	-	-	-	-	15.1	-	15.7	-	15.9	-	15.7	-	15.7	-	14.8	-	15.1	-
80	-	-	-	-	-	-	-	-	-	13.0	-	12.8	-	13.0	-	12.6	-	11.7	-	11.9	-
88	-	-	-	-	-	-	-	-	-	10.5	-	10.5	-	10.5	-	10.1	-	9.1	-	9.4	-
96	-	-	-	-	-	-	-	-	-	-	-	8.5	-	8.5	-	8.1	-	7.2	-	7.4	-
104	-	-	-	-	-	-	-	-	-	-	-	6.8	-	6.8	-	6.4	-	5.5	-	5.9	-
112	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-	5.0	-	4.1	-	4.3	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	3.1	-	3.3	-
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-
1)	-	45.6	-	30.2	-	20.7	-	14.6	-	10.8	-	7.3	-	4.9	-	2.6	-	-	-	-	-

		360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.	360°	Max.
ft		175.9	175.9	190.0	190.0	203.4	203.4	216.9	216.9	230.3	230.3	238.5	238.5	242.8	242.8	247.0	247.0	249.7	249.7	255.9	255.9
ft		1,000 lb																			
36	-	18.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	23.2	-	17.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	23.7	-	18.0	-	14.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	21.6	-	18.1	-	14.3	-	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	17.1	-	15.5	-	13.4	-	10.3	-	6.7	-	5.0	-	4.3	-	3.7	-	3.5	-	-	-
72	-	13.7	-	12.2	-	10.4	-	8.4	-	5.5	-	4.6	-	4.4	-	4.2	-	3.7	-	3.3	-
80	-	10.9	-	9.3	-	7.8	-	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-
88	-	8.5	-	7.0	-	5.5	-	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-
96	-	6.7	-	5.2	-	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
104	-	5.0	-	3.7	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HAV

154,800 lb		27.60 ft x 29.10 ft		360°			ASME B30.5			
42.0 ft		37.4 ft			68.9 ft			136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
ft	1,000 lb									
10	41.2	-	-	-	-	-	-	-	-	
12	41.2	-	-	22.9	-	-	-	-	-	
14	41.2	-	-	22.8	-	-	-	-	-	
16	41.2	-	-	22.4	-	-	-	-	-	
18	41.2	-	-	22.1	-	-	-	-	-	
20	41.2	34.8	-	21.8	-	-	-	-	-	
24	41.2	32.0	-	21.2	-	-	-	-	-	
28	39.7	29.7	-	20.3	-	-	-	-	-	
32	36.0	27.7	22.5	19.3	-	-	-	-	-	
36	33.0	26.1	21.5	18.2	-	-	-	-	-	
40	30.3	24.5	20.6	17.0	13.6	-	-	-	-	
48	26.1	21.9	19.3	14.9	12.3	-	-	-	-	
56	22.7	20.0	-	13.2	11.2	-	-	-	-	
64	20.1	18.7	-	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	-	-	-	-	
96	-	-	-	8.5	-	-	-	-	-	
32	41.2	-	-	-	-	-	-	-	-	
36	41.2	-	-	17.6	-	-	-	-	-	
40	41.0	-	-	17.4	-	-	-	-	-	
48	38.0	27.9	-	16.8	-	-	-	-	-	
56	34.3	26.0	21.0	16.3	-	-	-	-	-	
64	31.4	24.2	20.4	15.8	12.3	-	-	-	-	
72	28.7	22.7	19.6	15.2	11.7	-	-	-	-	
80	26.3	21.6	19.1	14.7	11.2	9.0	-	-	-	
88	24.4	20.5	18.2	14.1	10.6	8.7	-	-	-	
96	22.9	19.5	17.6	13.5	10.2	8.6	-	-	-	
104	21.6	18.6	17.0	12.7	9.8	8.4	-	-	-	
112	20.2	17.8	16.7	11.9	9.5	8.2	-	-	-	
120	19.1	17.1	16.4	11.3	9.2	8.2	-	-	-	
128	18.2	16.5	16.2	10.8	8.9	8.0	-	-	-	
136	17.4	16.0	-	10.3	8.7	7.9	-	-	-	
144	16.6	15.7	-	9.7	8.4	7.9	-	-	-	
152	16.2	4.6	-	9.4	8.3	3.9	-	-	-	
160	13.6	-	-	9.0	8.2	-	-	-	-	
168	-	-	-	8.8	8.1	-	-	-	-	
176	-	-	-	8.6	8.0	-	-	-	-	
184	-	-	-	8.5	2.4	-	-	-	-	




175.9 ft		37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
48	33.0	-	-	15.1	-	-	
56	32.6	-	-	14.8	-	-	
64	32.1	25.2	-	14.4	-	-	
72	30.9	23.8	19.9	14.1	-	-	
80	28.8	22.7	19.3	13.6	11.4	-	
88	27.0	21.6	18.8	13.4	11.1	-	
96	25.1	20.6	18.2	13.1	10.5	8.7	
104	23.0	19.7	17.9	12.6	10.2	8.4	
112	21.1	19.1	17.4	12.3	9.9	8.4	
120	19.2	18.3	16.9	12.1	9.6	8.2	
128	17.4	17.1	16.5	11.7	9.4	8.0	
136	15.8	15.9	16.0	11.1	9.1	7.9	
144	14.2	14.6	14.8	10.8	8.8	7.9	
152	12.9	13.3	13.5	10.3	8.6	7.9	
160	11.8	12.1	-	10.0	8.4	7.7	
168	10.8	11.0	-	9.5	8.3	7.7	
176	10.0	10.1	-	9.1	8.2	7.7	
184	9.2	9.3	-	8.5	7.9	7.7	
192	8.0	-	-	7.8	7.7	-	
200	5.3	-	-	7.3	7.4	-	
208	-	-	-	6.7	7.0	-	
216	-	-	-	6.2	6.4	-	
224	-	-	-	5.5	-	-	


255.9 ft		37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°*	40°*	
ft	1,000 lb						
80	11.2	-	-	7.0	-	-	
88	10.9	-	-	6.8	-	-	
96	10.7	10.7	-	6.7	-	-	
104	10.4	10.4	10.4	6.4	-	-	
112	9.9	10.1	9.9	6.4	6.6	-	
120	9.6	9.6	9.3	6.2	6.3	-	
128	9.4	9.0	8.7	6.1	6.1	5.8	
136	8.9	8.3	8.3	5.8	6.0	5.6	
144	8.4	7.9	7.7	5.7	5.7	5.3	
152	7.9	7.4	7.2	5.5	5.4	5.3	
160	7.3	7.0	6.9	5.2	5.0	5.0	
168	6.8	6.6	6.5	4.9	4.7	4.7	
176	6.3	6.2	6.2	4.7	4.4	4.4	
184	5.8	5.8	5.9	4.4	4.2	4.2	
192	5.4	5.5	5.6	4.1	3.9	3.9	
200	5.0	5.2	5.2	3.9	3.6	3.6	
208	4.6	4.8	4.8	3.6	3.4	3.4	
216	4.2	4.2	4.2	3.3	3.1	3.1	
224	3.7	3.8	3.8	3.1	3.0	3.0	
232	3.1	3.4	-	2.8	2.7	2.8	
240	2.6	2.8	-	2.5	2.3	2.5	


 *252.0 ft

Operation

HAV

113,800 lb  27.60 ft x 29.10 ft										360°			ASME B30.5			
42.0 ft 										136.2 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 lb																
10	41.2	-	-	-	-	-	32	41.2	-	-	-	-	-			
12	41.2	-	-	22.9	-	-	36	41.2	-	-	17.6	-	-			
14	41.2	-	-	22.8	-	-	40	41.0	-	-	17.4	-	-			
16	41.2	-	-	22.4	-	-	48	38.0	27.9	-	16.8	-	-			
18	41.2	-	-	22.1	-	-	56	34.3	26.0	21.0	16.3	-	-			
20	41.2	34.8	-	21.8	-	-	64	31.4	24.2	20.4	15.8	12.3	-			
24	41.2	32.0	-	21.2	-	-	72	28.7	22.7	19.6	15.2	11.7	-			
28	39.7	29.7	-	20.3	-	-	80	26.3	21.6	19.1	14.7	11.2	9.0			
32	36.0	27.7	22.5	19.3	-	-	88	24.4	20.5	18.2	14.1	10.6	8.7			
36	33.0	26.1	21.5	18.2	-	-	96	22.9	19.5	17.6	13.5	10.2	8.6			
40	30.3	24.5	20.6	17.0	13.6	-	104	21.6	18.6	17.0	12.7	9.8	8.4			
48	26.1	21.9	19.3	14.9	12.3	-	112	20.2	17.8	16.7	11.9	9.5	8.2			
56	22.7	20.0	-	13.2	11.2	-	120	19.1	17.1	16.4	11.3	9.2	8.2			
64	20.1	18.7	-	11.7	10.3	9.1	128	17.9	16.5	6.2	10.8	8.9	8.0			
72	-	-	-	10.6	9.5	8.6	136	16.6	16.0	-	10.3	8.7	7.9			
80	-	-	-	9.8	9.0	8.3	144	14.6	15.2	-	9.7	8.4	7.9			
88	-	-	-	9.1	8.5	-	152	13.1	4.6	-	9.4	8.3	3.9			
96	-	-	-	8.5	-	-	160	10.6	-	-	9.0	8.2	-			
							168	-	-	-	8.8	8.1	-			
							176	-	-	-	8.6	8.0	-			
							184	-	-	-	8.5	2.4	-			

175.9 ft 						
ft	37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°	40°
1,000 lb						
48	33.0	-	-	15.1	-	-
56	32.6	-	-	14.8	-	-
64	32.1	25.2	-	14.4	-	-
72	30.9	23.8	19.9	14.1	-	-
80	28.8	22.7	19.3	13.6	11.4	-
88	27.0	21.6	18.8	13.4	11.1	-
96	25.1	20.6	18.2	13.1	10.5	8.7
104	23.0	19.7	17.9	12.6	10.2	8.4
112	21.0	19.1	17.4	12.3	9.9	8.4
120	17.9	18.3	16.9	12.1	9.6	8.2
128	16.0	16.7	16.5	11.7	9.4	8.0
136	14.2	15.0	15.2	11.1	9.1	7.9
144	12.2	13.3	13.7	10.8	8.8	7.9
152	10.7	11.4	11.9	10.3	8.6	7.9
160	9.9	9.9	-	9.5	8.4	7.7
168	8.9	9.1	-	8.2	8.3	7.7
176	7.9	8.5	-	7.1	8.2	7.7
184	6.9	7.3	-	6.7	7.1	7.3
192	5.5	-	-	6.2	6.1	-
200	5.3	-	-	5.4	5.8	-
208	-	-	-	4.6	5.3	-
216	-	-	-	4.2	4.5	-
224	-	-	-	3.9	-	-

255.9 ft 						
ft	37.4 ft			68.9 ft		
	0°	20°	40°	0°	20°*	40°*
1,000 lb						
80	11.2	-	-	7.0	-	-
88	10.9	-	-	6.8	-	-
96	10.7	10.7	-	6.7	-	-
104	10.4	10.4	10.4	6.4	-	-
112	9.9	10.1	9.9	6.4	6.6	-
120	9.6	9.6	9.3	6.2	6.3	-
128	9.4	9.0	8.7	6.1	6.1	5.8
136	8.9	8.3	8.3	5.8	6.0	5.6
144	8.4	7.9	7.7	5.7	5.7	5.3
152	7.9	7.4	7.2	5.5	5.4	5.3
160	7.3	7.0	6.9	5.2	5.0	5.0
168	6.7	6.6	6.5	4.9	4.7	4.7
176	5.8	6.2	6.2	4.7	4.4	4.4
184	4.8	5.5	5.7	4.2	4.2	4.2
192	3.8	4.6	5.1	3.6	3.9	3.9
200	2.8	3.5	4.0	2.8	3.6	3.6
208	-	-	-	-	3.2	3.4
216	-	-	-	-	2.7	3.1

 *252.0 ft

Operation

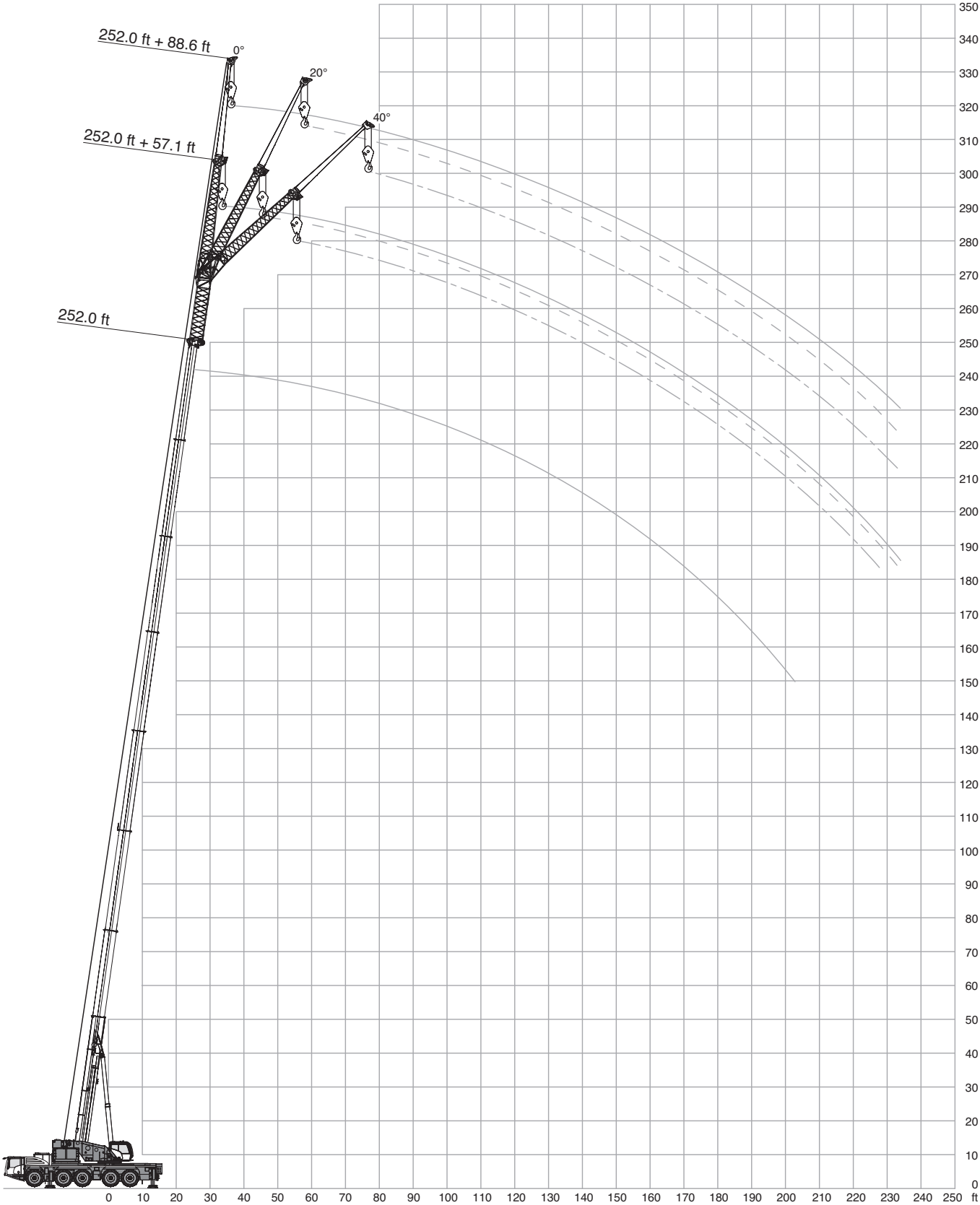
41,200 lb										27.60 ft x 29.10 ft			360°			ASME B30.5		
42.0 ft										136.2 ft								
ft	37.4 ft			68.9 ft			ft	37.4 ft			68.9 ft							
	0°	20°	40°	0°	20°	40°		0°	20°	40°	0°	20°	40°					
1,000 lb																		
10	41.2	-	-	-	-	-	32	41.2	-	-	-	-	-					
12	41.2	-	-	22.9	-	-	36	41.2	-	-	17.6	-	-					
14	41.2	-	-	22.8	-	-	40	41.0	-	-	17.4	-	-					
16	41.2	-	-	22.4	-	-	48	38.0	27.9	-	16.8	-	-					
18	41.2	-	-	22.1	-	-	56	34.3	26.0	21.0	16.3	-	-					
20	41.2	34.8	-	21.8	-	-	64	30.7	24.2	20.4	15.8	12.3	-					
24	41.2	32.0	-	21.2	-	-	72	25.9	22.7	19.6	15.2	11.7	-					
28	39.7	29.7	-	20.3	-	-	80	22.1	21.3	19.1	14.7	11.2	9.0					
32	36.0	27.7	22.5	19.3	-	-	88	18.1	19.3	18.1	14.1	10.6	8.7					
36	33.0	26.1	21.5	18.2	-	-	96	15.0	16.5	17.1	13.3	10.2	8.6					
40	30.3	24.5	20.6	17.0	13.6	-	104	13.1	13.6	14.7	12.2	9.8	8.4					
48	26.1	21.9	19.3	14.9	12.3	-	112	10.7	12.0	12.0	10.9	9.5	8.2					
56	22.7	20.0	-	13.2	11.2	-	120	9.4	9.9	10.5	9.5	9.2	8.2					
64	20.1	18.7	-	11.7	10.3	9.1	128	8.5	8.5	6.2	7.9	8.6	8.0					
72	-	-	-	10.6	9.5	8.6	136	7.1	7.6	-	6.5	7.8	7.9					
80	-	-	-	9.8	9.0	8.3	144	6.0	6.5	-	6.0	6.7	7.3					
88	-	-	-	9.1	8.5	-	152	5.6	4.6	-	5.2	5.5	3.9					
96	-	-	-	8.5	-	-	160	4.8	-	-	4.4	5.0	-					
							168	-	-	-	3.8	4.2	-					
							176	-	-	-	3.4	3.4	-					
							184	-	-	-	2.8	2.4	-					

175.9 ft									
ft	37.4 ft			68.9 ft					
	0°	20°	40°	0°	20°	40°			
1,000 lb									
48	33.0	-	-	15.1	-	-			
56	30.5	-	-	14.8	-	-			
64	25.5	25.2	-	14.4	-	-			
72	22.3	23.4	19.9	14.1	-	-			
80	18.6	19.0	19.3	13.5	11.4	-			
88	15.9	16.8	17.5	12.9	11.1	-			
96	13.8	14.3	15.1	11.9	10.5	8.7			
104	11.6	12.7	12.9	10.6	10.2	8.4			
112	10.5	10.5	11.4	8.8	9.6	8.4			
120	8.9	9.5	9.4	8.0	8.5	8.2			
128	7.5	8.3	8.7	7.2	7.7	8.0			
136	6.5	6.7	7.4	5.8	6.5	7.1			
144	5.3	6.0	6.2	5.1	6.0	6.6			
152	4.3	4.9	5.3	4.5	5.1	5.5			
160	3.2	3.9	-	3.4	4.2	5.0			
168	-	-	-	-	3.6	4.1			
176	-	-	-	-	2.8	3.4			

255.9 ft									
ft	37.4 ft			68.9 ft					
	0°	20°	40°	0°	20°	40°			
1,000 lb									
80	11.0	-	-	7.0	-	-			
88	9.2	-	-	6.7	-	-			
96	6.7	9.2	-	5.3	-	-			
104	4.5	6.9	8.9	3.3	-	-			
112	-	4.8	6.5	-	-	-			
120	-	-	4.7	-	-	-			
128	-	-	3.1	-	-	-			

Operation

HAV-VA



Operation

HAV-VA

154,800 lb		27.60 ft x 29.10 ft		360°			ASME B30.5			
42.0 ft		57.1 ft			88.6 ft			136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
ft	1,000 lb									
12	41.2	-	-	-	-	-	-	-	-	
14	41.2	-	-	-	-	-	-	-	-	
16	41.2	-	-	-	-	-	-	-	-	
18	41.2	-	-	20.2	-	-	-	-	-	
20	41.1	-	-	20.0	-	-	-	-	-	
24	38.9	-	-	19.5	-	-	-	-	-	
28	34.8	30.0	-	18.9	-	-	-	-	-	
32	31.1	27.9	-	18.6	-	-	-	-	-	
36	28.1	26.2	22.3	18.0	-	-	-	-	-	
40	25.2	24.5	21.5	17.3	-	-	-	-	-	
48	21.3	21.7	20.0	16.3	12.9	-	-	-	-	
56	18.4	19.6	18.3	15.1	11.8	-	-	-	-	
64	16.1	17.1	16.1	13.6	11.0	9.4	-	-	-	
72	14.2	14.4	-	12.2	10.2	8.8	-	-	-	
80	12.6	-	-	11.1	9.6	8.6	-	-	-	
88	-	-	-	10.3	9.1	8.3	-	-	-	
96	-	-	-	9.6	8.7	8.2	-	-	-	
104	-	-	-	9.1	8.4	-	-	-	-	
112	-	-	-	8.4	-	-	-	-	-	
36	33.5	-	-	-	-	-	-	-	-	
40	32.9	-	-	15.6	-	-	-	-	-	
48	30.2	23.9	-	15.1	-	-	-	-	-	
56	27.0	21.9	-	14.8	-	-	-	-	-	
64	24.7	20.2	17.9	14.4	-	-	-	-	-	
72	22.5	18.8	16.8	13.9	11.7	-	-	-	-	
80	20.6	17.6	15.5	13.4	11.2	-	-	-	-	
88	18.9	16.5	14.6	12.8	10.8	8.8	-	-	-	
96	17.6	15.5	13.6	12.1	10.4	8.7	-	-	-	
104	16.4	14.7	12.7	11.5	10.0	8.4	-	-	-	
112	15.4	13.9	11.9	11.0	9.7	8.3	-	-	-	
120	14.6	13.3	11.3	10.5	9.4	7.9	-	-	-	
128	13.8	12.6	10.6	9.9	8.8	7.5	-	-	-	
136	13.0	11.9	9.9	9.4	8.4	7.1	-	-	-	
144	12.4	11.3	4.2	8.8	8.0	6.6	-	-	-	
152	11.8	10.5	-	8.3	7.6	6.4	-	-	-	
160	11.3	10.0	-	8.0	7.2	6.0	-	-	-	
168	10.9	2.9	-	7.5	6.9	-	-	-	-	
176	10.6	2.5	-	7.1	6.7	-	-	-	-	
184	-	-	-	6.8	6.5	-	-	-	-	
192	-	-	-	6.6	6.4	-	-	-	-	
200	-	-	-	6.5	6.2	-	-	-	-	




175.9 ft		57.1 ft			88.6 ft		
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
56	24.8	-	-	13.0	-	-	
64	24.5	-	-	12.8	-	-	
72	23.6	18.1	-	12.6	-	-	
80	22.2	17.3	13.6	12.3	11.4	-	
88	20.7	16.5	13.0	12.0	11.1	-	
96	19.4	15.7	12.3	11.6	10.7	7.4	
104	18.2	15.1	11.8	11.3	10.2	7.1	
112	17.1	14.3	11.2	10.8	9.9	6.8	
120	16.1	13.5	10.7	10.5	9.6	6.6	
128	15.2	12.9	10.1	10.0	9.3	6.3	
136	14.1	12.2	9.6	9.6	8.9	6.0	
144	13.3	11.7	9.3	9.3	8.6	5.7	
152	12.2	11.1	8.8	9.0	8.1	5.5	
160	11.3	10.4	8.5	8.6	7.9	5.2	
168	10.3	9.8	-	8.2	7.6	4.9	
176	9.2	9.1	-	8.0	7.3	4.7	
184	8.4	8.5	-	7.6	6.9	4.5	
192	7.6	7.8	-	7.1	6.6	4.4	
200	7.1	7.1	-	6.5	6.3	4.2	
208	6.4	-	-	5.9	5.9	-	
216	5.8	-	-	5.3	5.5	-	
224	-	-	-	4.9	5.1	-	
232	-	-	-	4.5	4.7	-	
240	-	-	-	3.9	4.2	-	


255.9 ft		57.1 ft			88.6 ft		
	0°	20°	40°	0°*	20°**	40°**	
ft	1,000 lb						
80	8.1	-	-	-	-	-	
88	7.9	-	-	4.9	-	-	
96	7.8	-	-	4.7	-	-	
104	7.5	7.5	-	4.6	-	-	
112	7.3	7.3	6.4	4.4	6.6	-	
120	7.0	7.0	6.3	4.3	6.5	4.0	
128	6.7	6.8	6.2	4.2	6.1	3.9	
136	6.5	6.7	6.0	4.0	5.6	3.7	
144	6.2	6.2	6.0	4.0	5.3	3.5	
152	5.9	5.9	5.7	3.7	5.0	3.5	
160	5.6	5.4	5.3	3.5	4.5	3.3	
168	5.2	5.1	4.9	3.4	4.3	3.2	
176	4.7	4.7	4.7	3.1	4.0	3.1	
184	4.4	4.3	4.4	2.9	3.7	3.0	
192	4.1	3.9	4.1	2.6	3.5	2.9	
200	3.7	3.6	3.9	2.5	3.2	2.9	
208	3.4	3.4	3.6	-	2.9	2.8	
216	3.1	3.1	3.3	-	2.7	2.7	
224	2.8	2.8	2.9	-	2.4	2.5	


 *252.0 ft **230.3 ft

Operation

HAV-VA

113,800 lb  27.60 ft x 29.10 ft										360°			ASME B30.5					
 42.0 ft										 136.2 ft								
ft	57.1 ft			88.6 ft			ft	57.1 ft			88.6 ft							
	0°	20°	40°	0°	20°	40°		0°	20°	40°	0°	20°	40°					
1,000 lb																		
12	41.2	-	-	-	-	-	36	33.5	-	-	-	-	-					
14	41.2	-	-	-	-	-	40	32.9	-	-	15.6	-	-					
16	41.2	-	-	-	-	-	48	30.2	23.9	-	15.1	-	-					
18	41.2	-	-	20.2	-	-	56	27.0	21.9	-	14.8	-	-					
20	41.1	-	-	20.0	-	-	64	24.7	20.2	17.9	14.4	-	-					
24	38.9	-	-	19.5	-	-	72	22.5	18.8	16.8	13.9	11.7	-					
28	34.8	30.0	-	18.9	-	-	80	20.6	17.6	15.5	13.4	11.2	-					
32	31.1	27.9	-	18.6	-	-	88	18.9	16.5	14.6	12.8	10.8	8.8					
36	28.1	26.2	22.3	18.0	-	-	96	17.6	15.5	13.6	12.1	10.4	8.7					
40	25.2	24.5	21.5	17.3	-	-	104	16.4	14.7	12.7	11.5	10.0	8.4					
48	21.3	21.7	20.0	16.3	12.9	-	112	15.4	13.9	11.9	11.0	9.7	8.3					
56	18.4	19.6	18.3	15.1	11.8	-	120	14.6	13.3	11.3	10.5	9.4	7.9					
64	16.1	17.1	16.1	13.6	11.0	9.4	128	13.8	12.6	10.6	9.9	8.8	7.5					
72	14.2	14.4	-	12.2	10.2	8.8	136	13.0	11.9	9.9	9.4	8.4	7.1					
80	12.6	-	-	11.1	9.6	8.6	144	12.4	11.3	4.2	8.8	8.0	6.6					
88	-	-	-	10.3	9.1	8.3	152	11.8	10.5	-	8.3	7.6	6.4					
96	-	-	-	9.6	8.7	8.2	160	11.1	10.0	-	8.0	7.2	6.0					
104	-	-	-	9.1	8.4	-	168	10.2	2.9	-	7.5	6.9	-					
112	-	-	-	8.4	-	-	176	9.4	2.5	-	7.1	6.7	-					
							184	-	-	-	6.8	6.5	-					
							192	-	-	-	6.6	6.3	-					
							200	-	-	-	6.5	6.1	-					

 175.9 ft						
ft	57.1 ft			88.6 ft		
	0°	20°	40°	0°	20°	40°
1,000 lb						
56	24.8	-	-	13.0	-	-
64	24.5	-	-	12.8	-	-
72	23.6	18.1	-	12.6	-	-
80	22.2	17.3	13.6	12.3	11.4	-
88	20.7	16.5	13.0	12.0	11.1	-
96	19.4	15.7	12.3	11.6	10.7	7.4
104	18.2	15.1	11.8	11.3	10.2	7.1
112	17.1	14.3	11.2	10.8	9.9	6.8
120	16.1	13.5	10.7	10.5	9.6	6.6
128	15.1	12.9	10.1	10.0	9.3	6.3
136	13.3	12.2	9.6	9.6	8.9	6.0
144	12.2	11.7	9.3	9.3	8.6	5.7
152	10.5	10.9	8.8	9.0	8.1	5.5
160	8.8	9.9	8.5	8.5	7.9	5.2
168	7.7	8.4	-	7.7	7.6	4.9
176	7.1	7.1	-	6.8	7.3	4.7
184	6.5	6.7	-	5.7	6.7	4.5
192	5.8	6.2	-	4.8	5.9	4.4
200	4.8	5.1	-	4.5	4.9	4.2
208	4.3	-	-	4.0	4.3	-
216	4.2	-	-	3.4	4.0	-
224	-	-	-	2.5	3.3	-
232	-	-	-	2.4	-	-
240	-	-	-	2.3	-	-

 255.9 ft						
ft	57.1 ft			88.6 ft		
	0°	20°	40°	0°*	20°**	40°**
1,000 lb						
80	8.1	-	-	-	-	-
88	7.9	-	-	4.9	-	-
96	7.8	-	-	4.7	-	-
104	7.5	7.5	-	4.6	-	-
112	7.3	7.3	6.4	4.4	6.6	-
120	7.0	7.0	6.3	4.3	6.5	4.0
128	6.7	6.8	6.2	4.2	6.1	3.9
136	6.5	6.7	6.0	4.0	5.6	3.7
144	6.2	6.2	6.0	4.0	5.3	3.5
152	5.9	5.9	5.7	3.7	5.0	3.5
160	5.6	5.4	5.3	3.5	4.5	3.3
168	5.2	5.1	4.9	3.4	4.3	3.2
176	4.7	4.7	4.7	3.1	4.0	3.1
184	4.1	4.3	4.4	2.9	3.7	3.0
192	-	3.8	4.1	-	3.5	2.9
200	-	3.2	3.5	-	3.2	2.9
208	-	-	-	-	2.9	2.8
216	-	-	-	-	2.7	2.7

 *252.0 ft **230.3 ft

Operation

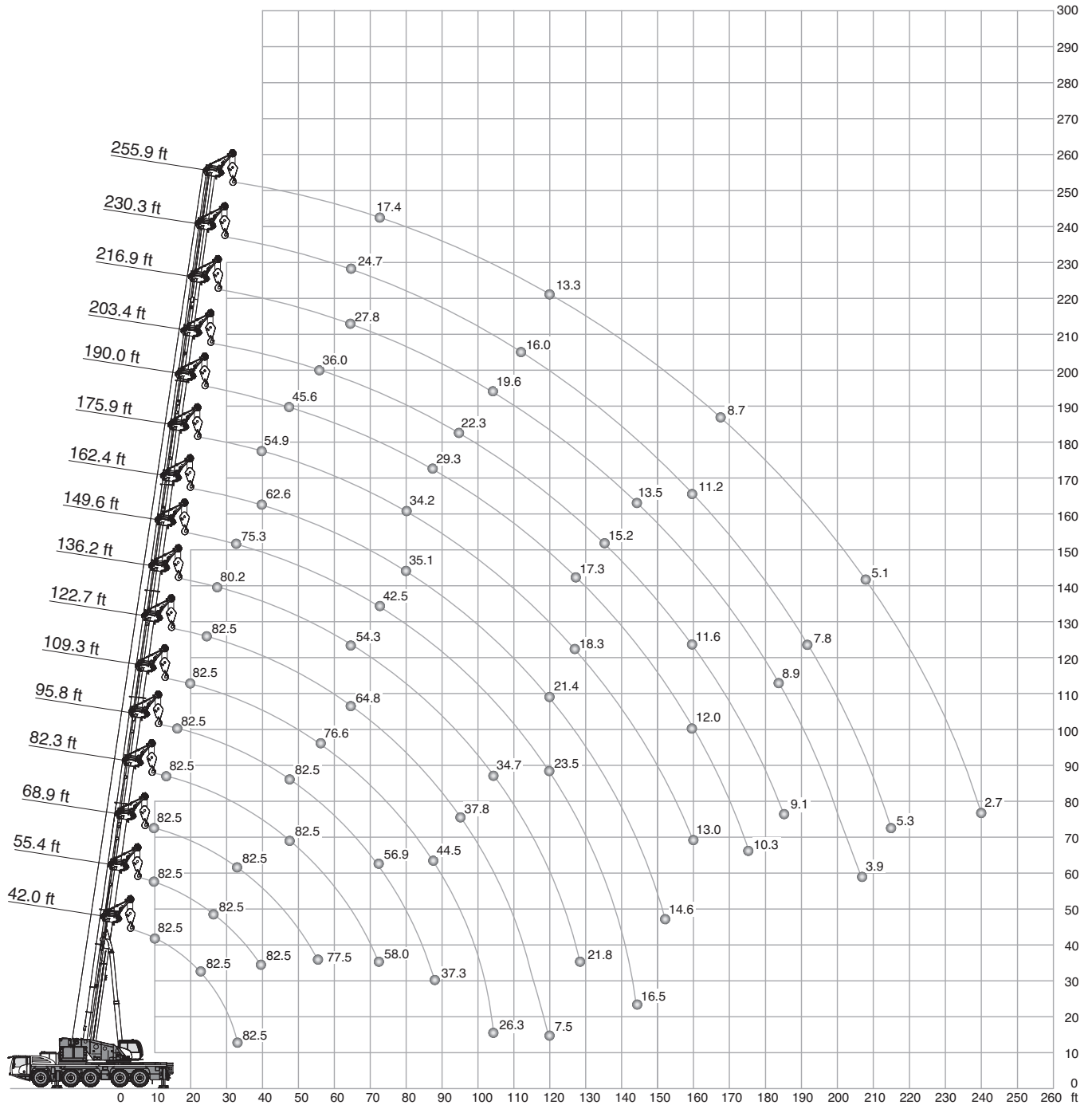
HAV-VA

14,200 lb		27.60 ft x 29.10 ft		360°			ASME B30.5			
42.0 ft		57.1 ft			88.6 ft			136.2 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
ft	1,000 lb									
12	41.2	-	-	-	-	-	-	-	-	
14	41.2	-	-	-	-	-	-	-	-	
16	41.2	-	-	-	-	-	-	-	-	
18	41.2	-	-	20.2	-	-	-	-	-	
20	41.1	-	-	20.0	-	-	-	-	-	
24	38.9	-	-	19.5	-	-	-	-	-	
28	34.8	30.0	-	18.9	-	-	-	-	-	
32	31.1	27.9	-	18.6	-	-	-	-	-	
36	28.1	26.2	22.3	18.0	-	-	-	-	-	
40	25.2	24.5	21.5	17.3	-	-	-	-	-	
48	21.3	21.7	20.0	16.3	12.9	-	-	-	-	
56	18.4	19.6	18.3	15.1	11.8	-	-	-	-	
64	16.1	17.1	16.1	13.6	11.0	9.4	-	-	-	
72	14.2	14.4	-	12.2	10.2	8.8	-	-	-	
80	12.6	-	-	11.1	9.6	8.6	-	-	-	
88	-	-	-	10.3	9.1	8.3	-	-	-	
96	-	-	-	9.6	8.7	8.2	-	-	-	
104	-	-	-	9.1	8.4	-	-	-	-	
112	-	-	-	8.4	-	-	-	-	-	
36	33.5	-	-	-	-	-	-	-	-	
40	32.9	-	-	15.6	-	-	-	-	-	
48	30.2	23.9	-	15.1	-	-	-	-	-	
56	27.0	21.9	-	14.8	-	-	-	-	-	
64	24.7	20.2	17.9	14.4	-	-	-	-	-	
72	22.5	18.8	16.8	13.9	11.7	-	-	-	-	
80	20.2	17.6	15.5	13.4	11.2	-	-	-	-	
88	17.9	16.5	14.6	12.8	10.8	8.8	-	-	-	
96	15.1	15.3	13.6	12.1	10.4	8.7	-	-	-	
104	12.4	13.9	12.7	11.5	10.0	8.4	-	-	-	
112	10.5	11.3	11.6	10.7	9.7	8.3	-	-	-	
120	9.0	9.5	10.1	8.8	9.1	7.9	-	-	-	
128	7.3	8.3	8.6	7.5	8.6	7.5	-	-	-	
136	6.5	6.7	7.2	6.5	7.6	7.1	-	-	-	
144	5.7	6.0	4.2	5.1	6.2	6.6	-	-	-	
152	4.7	5.1	-	4.4	5.4	6.0	-	-	-	
160	3.9	4.2	-	3.9	4.3	5.0	-	-	-	
168	3.4	2.9	-	3.0	3.5	-	-	-	-	
176	2.7	2.5	-	2.3	3.1	-	-	-	-	

175.9 ft		57.1 ft			88.6 ft		
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
56	24.8	-	-	13.0	-	-	
64	23.6	-	-	12.8	-	-	
72	19.9	18.1	-	12.6	-	-	
80	17.3	17.0	13.6	12.3	11.4	-	
88	14.6	15.2	13.0	11.6	11.1	-	
96	12.2	13.4	12.1	10.6	10.7	7.4	
104	10.6	11.1	11.3	9.4	10.2	7.1	
112	9.0	9.8	10.5	7.8	9.2	6.8	
120	8.0	8.2	9.0	6.7	7.9	6.6	
128	6.9	7.4	7.6	5.8	6.6	6.2	
136	5.4	6.4	6.7	4.9	5.8	5.8	
144	4.9	5.1	5.8	4.0	4.9	5.3	
152	3.8	4.5	4.6	3.4	4.3	4.9	
160	2.8	3.6	3.9	2.6	3.6	4.1	
168	-	-	-	-	-	3.6	
176	-	-	-	-	-	2.8	

255.9 ft		57.1 ft			88.6 ft		
	0°	20°*	40°*	0°*	20°**	40°**	
ft	1,000 lb						
80	8.1	-	-	7.5	-	-	
88	7.5	11.2	-	7.4	-	-	
96	5.6	9.9	8.5	6.0	-	-	
104	3.4	7.4	8.2	4.0	-	-	
112	-	5.2	7.2	-	6.8	4.6	
120	-	3.6	5.1	-	5.4	4.4	
128	-	-	3.5	-	3.9	4.3	
136	-	-	-	-	-	4.0	
144	-	-	-	-	-	3.6	

 *230.3 ft **218.8 ft



Operation

154,800 lb		27.60 ft x 29.10 ft														360°		ASME B30.5	
		(ft)																	
		42.0	55.4	68.9	82.3	95.8	109.3	122.7	136.2	149.6	162.4	175.9	190.0	203.4	216.9	230.3	255.9		
ft		1,000 lb														ft			
10		82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12		82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	12	
14		82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	14	
16		82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	16	
18		82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	18	
20		82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	20	
24		82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	24	
28		82.5	82.5	82.5	82.5	82.5	82.5	82.5	80.2	-	-	-	-	-	-	-	-	28	
32		82.5	82.5	82.5	82.5	82.5	82.5	82.5	76.5	75.3	-	-	-	-	-	-	-	32	
36		-	82.5	82.5	82.5	82.5	82.5	82.5	73.3	72.9	-	-	-	-	-	-	-	36	
40		-	82.5	82.5	82.5	82.5	82.5	82.3	70.1	70.2	62.6	54.9	-	-	-	-	-	40	
48		-	77.5	82.5	82.5	82.5	82.5	79.3	64.7	62.7	56.7	53.1	45.6	-	-	-	-	48	
56		-	-	77.5	78.0	77.5	76.6	71.6	59.3	55.0	50.1	47.7	42.9	36.0	-	-	-	56	
64		-	-	53.7	67.5	66.4	64.6	64.8	54.3	48.5	44.5	42.6	39.1	33.2	27.8	24.7	-	64	
72		-	-	-	58.0	56.9	55.7	56.2	50.1	42.5	39.6	38.2	35.8	30.5	25.6	22.7	17.4	72	
80		-	-	-	-	49.5	50.6	48.8	46.5	38.0	35.1	34.2	32.6	28.1	23.8	20.9	16.9	80	
88		-	-	-	-	37.3	44.5	42.7	43.1	34.4	31.3	30.6	29.3	26.0	22.2	19.4	16.4	88	
96		-	-	-	-	-	39.5	37.8	38.9	31.2	28.2	27.4	26.2	24.2	20.8	18.2	15.7	96	
104		-	-	-	-	-	26.3	35.3	34.7	28.3	25.4	24.6	23.7	22.3	19.6	17.1	14.9	104	
112		-	-	-	-	-	-	31.8	30.7	25.7	23.3	22.1	21.3	20.4	18.2	16.0	14.1	112	
120		-	-	-	-	-	-	7.5	27.2	23.5	21.4	19.9	19.2	18.7	17.1	15.0	13.3	120	
128		-	-	-	-	-	-	-	21.8	21.5	19.5	18.3	17.3	17.0	15.9	14.0	12.5	128	
136		-	-	-	-	-	-	-	7.2	19.8	17.8	16.8	15.6	15.2	14.6	13.2	11.8	136	
144		-	-	-	-	-	-	-	-	16.5	16.2	15.3	14.2	13.7	13.5	12.4	11.1	144	
152		-	-	-	-	-	-	-	-	-	14.6	14.1	13.1	12.6	12.4	11.8	10.3	152	
160		-	-	-	-	-	-	-	-	-	-	13.0	12.0	11.6	11.1	11.2	9.4	160	
168		-	-	-	-	-	-	-	-	-	-	-	11.1	10.6	10.2	10.3	8.7	168	
176		-	-	-	-	-	-	-	-	-	-	-	-	10.3	9.8	9.6	8.0	176	
184		-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	8.9	8.6	7.2	184
192		-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	7.8	6.5	192
200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	7.0	5.8	200
208		-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	6.2	5.1	208
216		-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	5.3	4.5	216
224		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	224
232		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	232
240		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	240
1)		39.9	30.0	23.1	18.5	14.8	12.1	9.3	7.3	5.3	4.2	2.4	-	-	-	-	-	1)	

1) Capacities with horizontal boom

Operation

MS

113,800 lb		27.60 ft x 29.10 ft		360°		ASME B30.5													
		(ft)																	
		42.0	55.4	68.9	82.3	95.8	109.3	122.7	136.2	149.6	162.4	175.9	190.0	203.4	216.9	230.3	255.9		
ft	1,000 lb																ft		
10	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
16	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	16
18	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	18
20	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	20
24	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	24
28	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	80.2	-	-	-	-	-	-	-	-	-	28
32	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	76.5	75.3	-	-	-	-	-	-	-	-	32
36	-	82.5	82.5	82.5	82.5	82.5	82.5	82.5	73.3	72.9	-	-	-	-	-	-	-	-	36
40	-	82.5	82.5	82.5	82.5	82.5	82.5	82.3	70.1	70.2	62.6	54.9	-	-	-	-	-	-	40
48	-	77.5	80.4	80.8	80.4	79.9	79.3	64.7	62.7	56.7	53.1	45.6	-	-	-	-	-	-	48
56	-	-	70.3	71.5	70.3	68.2	69.3	59.3	55.0	50.1	47.7	42.9	36.0	-	-	-	-	-	56
64	-	-	51.4	58.9	57.6	58.5	57.0	54.3	48.5	44.5	42.6	39.1	33.2	27.8	24.7	-	-	-	64
72	-	-	-	48.7	50.2	48.9	46.8	48.2	42.5	39.6	38.2	35.8	30.5	25.6	22.7	17.4	-	-	72
80	-	-	-	-	42.6	41.3	42.7	40.7	38.0	35.1	34.2	32.6	28.1	23.8	20.9	16.9	-	-	80
88	-	-	-	-	29.9	36.8	36.7	34.6	33.7	31.3	30.6	29.3	26.0	22.2	19.4	16.4	-	-	88
96	-	-	-	-	-	33.1	31.7	29.6	28.7	27.8	26.9	26.2	24.2	20.8	18.2	15.7	-	-	96
104	-	-	-	-	-	23.7	27.6	25.9	24.3	24.1	24.1	23.1	22.3	19.6	17.1	14.9	-	-	104
112	-	-	-	-	-	-	23.8	22.8	21.3	20.5	20.8	20.0	20.1	18.2	16.0	14.1	-	-	112
120	-	-	-	-	-	-	7.5	20.4	19.9	17.9	17.7	18.1	17.2	17.1	15.0	13.3	-	-	120
128	-	-	-	-	-	-	-	17.7	17.5	16.1	15.4	15.5	15.5	15.3	14.0	12.5	-	-	128
136	-	-	-	-	-	-	-	7.2	15.3	14.3	14.0	13.5	13.9	12.9	13.2	11.8	-	-	136
144	-	-	-	-	-	-	-	-	13.1	13.0	12.6	12.4	12.0	12.1	11.8	11.1	-	-	144
152	-	-	-	-	-	-	-	-	-	12.2	11.2	11.3	11.0	11.0	9.9	9.7	-	-	152
160	-	-	-	-	-	-	-	-	-	-	10.3	10.2	10.2	9.4	8.4	8.1	-	-	160
168	-	-	-	-	-	-	-	-	-	-	-	9.1	9.2	8.0	7.1	6.7	-	-	168
176	-	-	-	-	-	-	-	-	-	-	-	-	8.7	8.3	6.8	5.5	-	-	176
184	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	5.7	4.6	4.3	-	184
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	3.5	-	-	192
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	2.6	-	-	200
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-	-	208
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	216
1)	39.9	30.0	23.1	18.5	14.8	12.1	9.3	7.3	5.3	4.2	2.4	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

Operation

MS

41,200 lb		27.60 ft x 29.10 ft										360°			ASME B30.5				
		(ft)																	
		42.0	55.4	68.9	82.3	95.8	109.3	122.7	136.2	149.6	162.4	175.9	190.0	203.4	216.9	230.3	255.9		
ft		1,000 lb															ft		
10	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
16	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	16	
18	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	-	18	
20	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	20	
24	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	24	
28	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	80.2	-	-	-	-	-	-	-	-	28	
32	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	76.5	75.3	-	-	-	-	-	-	-	32	
36	-	78.2	78.5	78.1	79.0	77.2	74.1	71.0	68.2	-	-	-	-	-	-	-	-	36	
40	-	71.9	72.6	71.7	73.7	70.1	67.1	65.7	60.5	57.7	53.8	-	-	-	-	-	-	40	
48	-	43.9	53.7	54.3	53.4	55.4	53.3	50.4	48.1	45.2	42.6	39.9	-	-	-	-	-	48	
56	-	-	41.1	42.3	43.1	42.1	40.5	39.7	38.5	36.5	34.3	32.6	30.3	-	-	-	-	56	
64	-	-	21.3	34.3	34.0	32.9	32.2	31.7	30.9	30.4	28.7	26.7	25.6	24.5	23.9	-	-	64	
72	-	-	-	27.7	27.3	26.4	26.1	26.1	25.9	24.6	23.6	23.2	21.9	21.0	19.3	17.4	-	72	
80	-	-	-	-	22.5	22.3	22.7	21.6	20.9	20.5	20.3	19.5	19.5	17.7	15.1	13.8	-	80	
88	-	-	-	-	17.3	19.8	18.7	17.6	17.7	17.5	17.0	17.1	16.1	14.8	11.8	10.5	-	88	
96	-	-	-	-	-	16.5	15.3	15.4	15.0	14.7	14.9	14.1	13.9	11.8	9.0	7.6	-	96	
104	-	-	-	-	-	13.8	13.1	13.3	12.7	13.0	12.2	12.2	11.1	9.3	6.5	5.3	-	104	
112	-	-	-	-	-	-	12.0	11.1	11.6	10.7	10.9	10.0	8.9	7.2	4.5	-	-	112	
120	-	-	-	-	-	-	7.5	9.6	9.8	9.2	9.1	8.2	7.1	5.6	-	-	-	120	
128	-	-	-	-	-	-	-	8.7	8.1	8.2	7.5	6.4	5.4	4.1	-	-	-	128	
136	-	-	-	-	-	-	-	7.2	6.7	6.9	6.0	4.9	4.0	2.7	-	-	-	136	
144	-	-	-	-	-	-	-	-	5.6	5.6	4.7	3.8	2.7	-	-	-	-	144	
152	-	-	-	-	-	-	-	-	-	4.5	3.6	-	-	-	-	-	-	152	
160	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	-	160	
1)	39.9	30.0	23.1	18.5	14.8	12.1	9.3	7.3	5.3	4.0	-	-	-	-	-	-	-	1)	

1) Capacities with horizontal boom

0 lb		27.60 ft x 29.10 ft											360°		ASME B30.5	
		(ft)														
		42.0	55.4	68.9	82.3	95.8	109.3	122.7	136.2	149.6	162.4	175.9	190.0	203.4		
ft		1,000 lb												ft		
10		82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	10
12		82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	12
14		82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	14
16		82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	16
18		82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	18
20		82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	20
24		82.5	82.5	82.5	82.5	81.8	80.7	79.5	-	-	-	-	-	-	-	24
28		75.6	78.7	78.9	76.6	72.7	71.2	66.4	59.2	-	-	-	-	-	-	28
32		58.2	63.6	65.2	64.6	62.6	57.7	53.9	50.9	45.4	-	-	-	-	-	32
36		-	50.3	52.1	54.4	52.4	48.1	45.7	42.5	41.2	35.0	-	-	-	-	36
40		-	40.3	42.8	43.6	43.2	41.0	39.5	36.9	34.4	33.9	32.0	-	-	-	40
48		-	16.6	29.7	30.3	30.1	31.7	29.4	27.9	26.7	26.7	25.1	23.9	-	-	48
56		-	-	22.1	23.0	23.7	23.2	22.7	22.2	22.1	20.9	20.1	18.0	16.0	-	56
64		-	-	15.8	17.5	17.8	18.2	18.1	17.9	17.2	17.0	15.4	13.4	11.5	-	64
72		-	-	-	13.3	14.0	14.4	14.2	14.0	13.1	13.1	11.5	9.6	7.6	-	72
80		-	-	-	-	11.0	11.0	11.0	10.6	9.9	9.9	8.4	6.6	4.7	-	80
88		-	-	-	-	8.4	8.4	8.4	8.0	7.1	7.3	6.0	4.2	-	-	88
96		-	-	-	-	-	6.3	6.3	5.7	5.0	5.2	4.0	-	-	-	96
104		-	-	-	-	-	4.6	4.4	3.9	3.3	3.3	2.4	-	-	-	104
1)		37.7	22.7	15.2	10.4	6.8	4.0	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

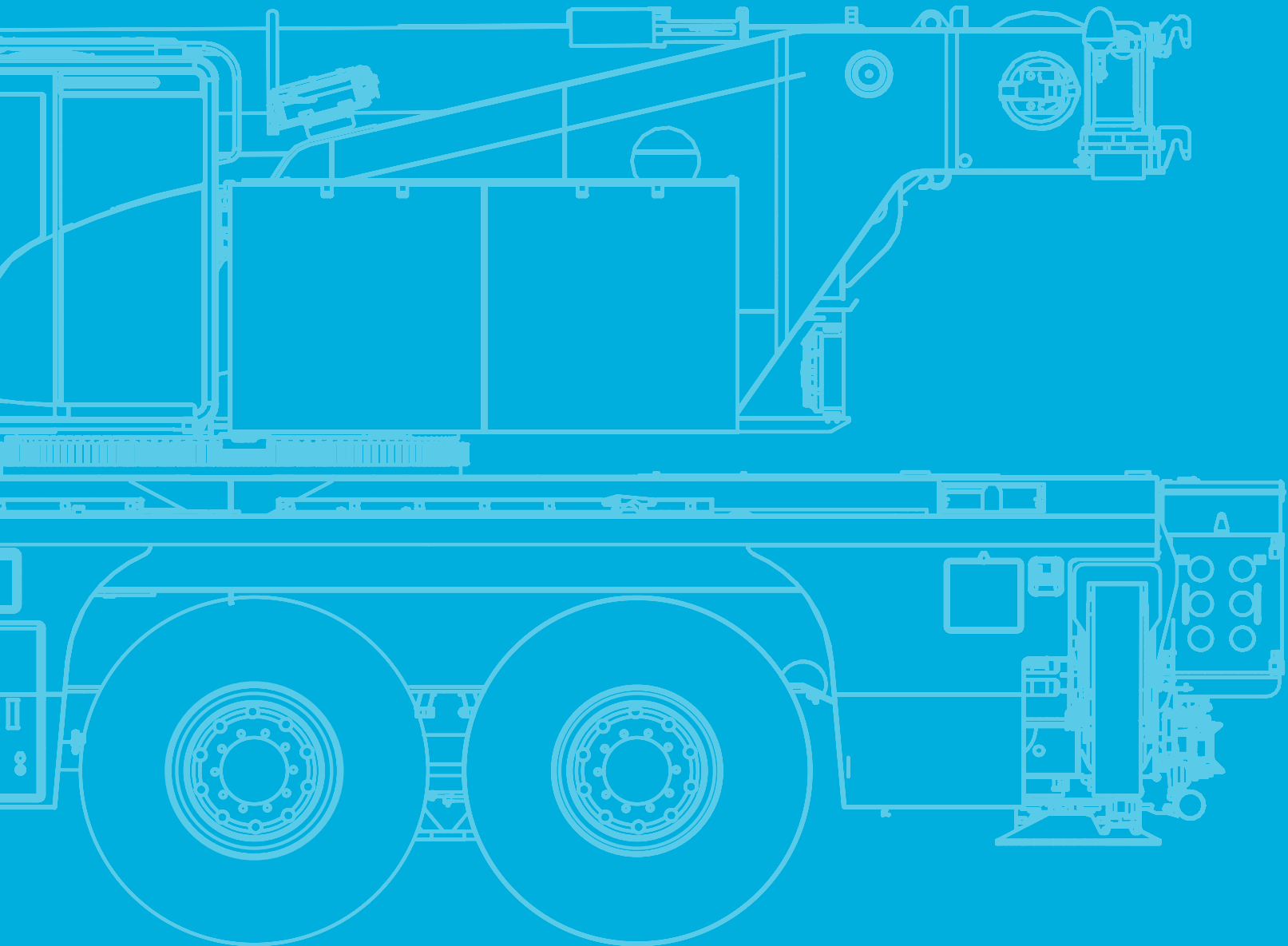
Notes to Lifting Capacity

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	132 gallons (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 off-road gear.
Axles 10 x 6 x 10	All 5 axles steered, axles 3-5 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 2850	Type 9.35 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; 5 outrigger bases: 9.0 ft, 13.6 ft, 18.2 ft, 23.0 ft, 27.6 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 HA78	42.0 ft - 255.9 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 5 sheaves integrated in boom head for max. capacity of 209,000 lb.
Boom luffing	1 luffing cylinder with automatic lowering brake valve.
Rotary drive	Single slewing gear unit with spring-loaded multi-disc brake; Different operating modes selectable.
H1	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. hoist monitoring.
Counterweight 113,800 lb	6 pieces (①-⑤); 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	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 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 2-5 are driven and dispose of a selectable transverse lock; Axles 3 and 4 with selectable longitudinal lock.
Additional fuel tank	53 gallons; For 185 gallons diesel total in carrier (no RME /biodiesel).

Superstructure

Heavy lift attachment	2 additional sheaves; Dis-/connectable; For total 7 sheaves at boom head; Max. capacity 286,600 lb.
2. hoist (H2)	Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. quick couplings and transport rack; Rope twist prevention is not included.
Additional counterweight 41,000 lb	2 pieces (Ⓢ); for total 154,800 lb, 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; Cannot be carried while maintaining 26,500 lb axle load.
HAV 68.9 ft	Double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage; Cannot be carried while maintaining 26,500 lb axle load; Includes HAV 37.4 ft.
HAV-VA 88.6 ft	Variable extension; Single piece, 6 m 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-HY	Hydraulic offset 0°-40° instead of manual offset 20°/40°; available for HAV 37.4 ft, HAV 68.9 ft and HAV-VA 88.6 ft.
MS (runner)	5.25 ft; Fixed angle runner; 2 sheaves, for max. 86,200 lb lifting capacity; Incl. transport storage at boom head.

Hook Blocks

Hook block 352,800 lb, 7-sheaves	Max. capacity 286,600 lb; 3,660 lb; Double hook, white with red signal stripes.
Hook block 275,600 lb, 5-sheaves	Max. capacity 209,000 lb; 2,490 lb; Double hook, white with red signal stripes.
Hook block 176,400 lb, 3-sheaves	Max. capacity 148,400 lb; 1,870 lb; Double hook, white with red signal stripes.
Vario hook block 70,600 lb, 1-sheave	Max. capacity 64,800 lb; 440 lb / 1,320 lb; Adjustable ballast and double hook, variable usage as 1- and 3-sheaves hook block, white with red signal stripes.
Hook block 70,600 lb, 1-sheave	Max. capacity 64,800 lb; 1,390 lb; Double hook, white with red signal stripes.
Hook 26,500 lb	Max. capacity 21,800 lb; 770 lb; Single hook, red.

Further additional equipment on request!

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

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