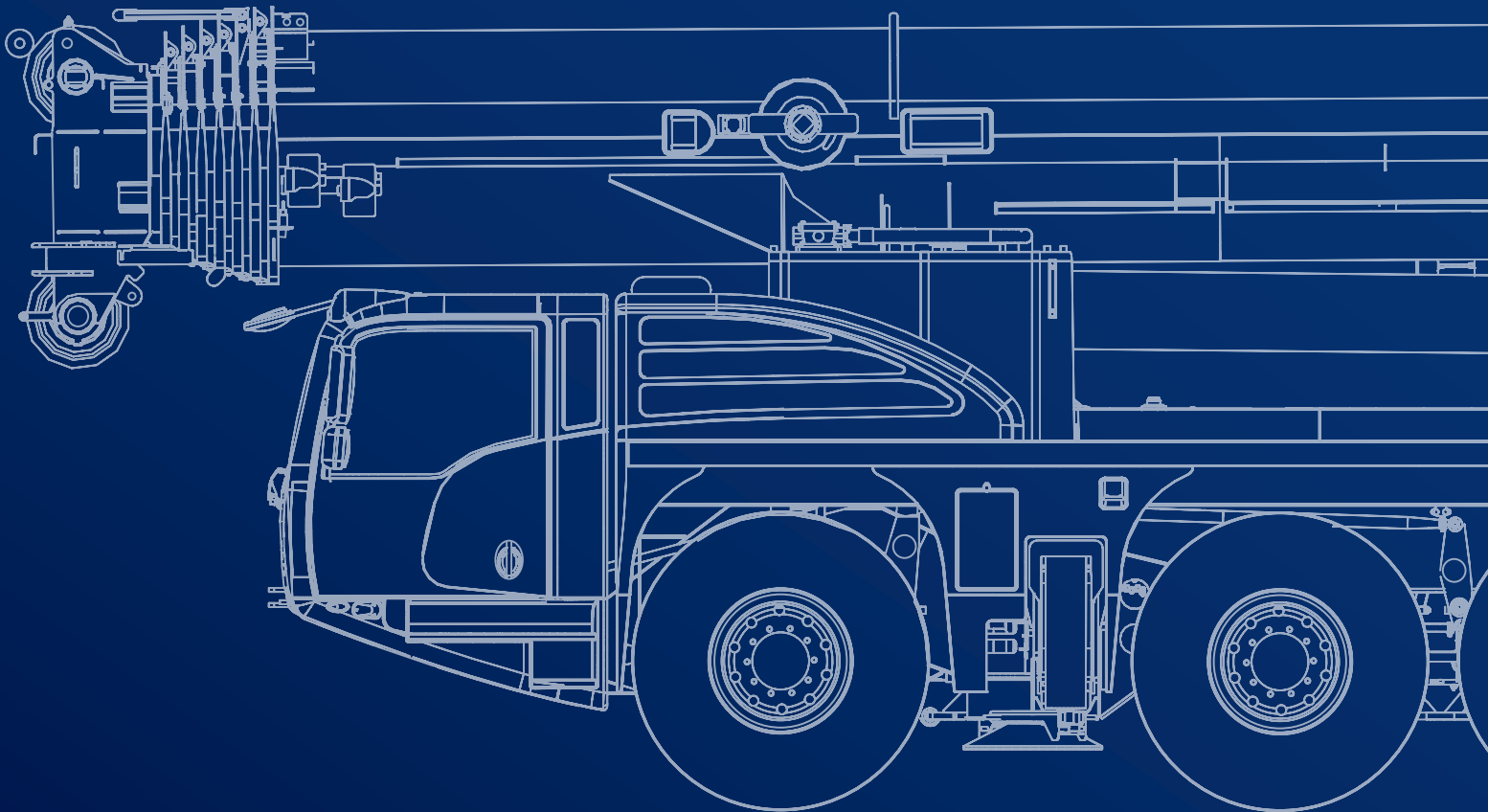


AC 5.220L-1

245 US TON MAX. CRANE CAPACITY



- Suitable for alternative fuels





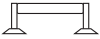
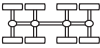
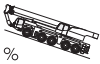
December 2024. Unless otherwise specified, all information in this brochure refers to a standard crane equipment, and it is intended as general information only. No liability is assumed. Errors reserved. Product specifications and prices are subject to changes without notice. The photographs and/or drawings 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.

© Tadano Ltd. 2024

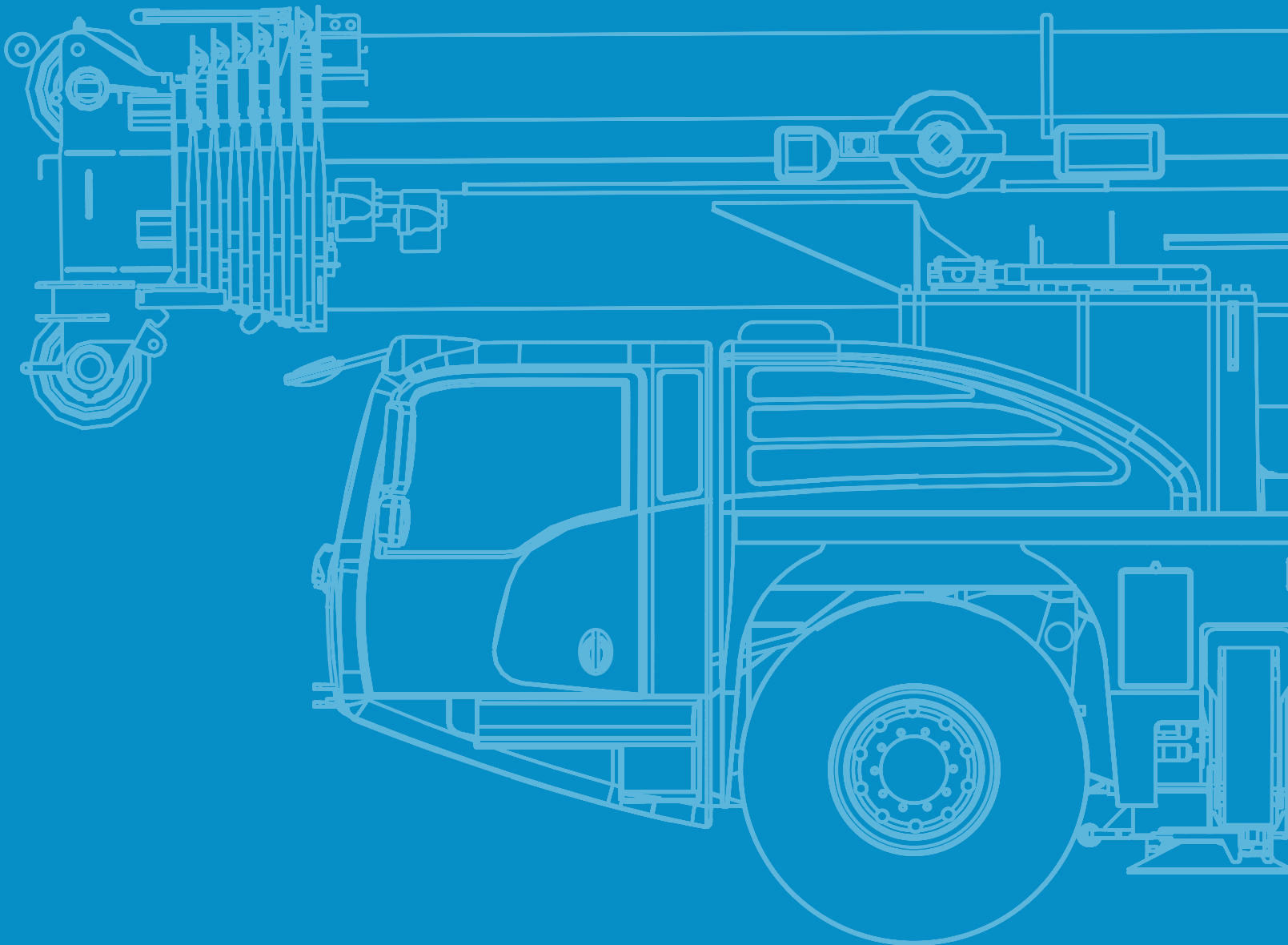
Contents

General	5
Vehicle dimensions	6
Boom combinations	7
On-road and off-road driving	9
Axle loads	10
Speeds and gradeability	10
Steering.....	10
Transportation	11
Counterweight	12-13
Configurations	12
Jib	14-15
Operation	17
Main boom	19
Slewing	19
Hoist.....	19
Outrigger cylinders	19
Hook Blocks	19
HA: Main boom	20-34
HAV: Folding swing-away jib	36-39
HAV-VA: Variable extension with swing-away jib	40-43
MS: Runner	44-48
Notes to Lifting Capacity	50
Technical Description	51
Basic machine	52
Additional equipment.....	53

Key

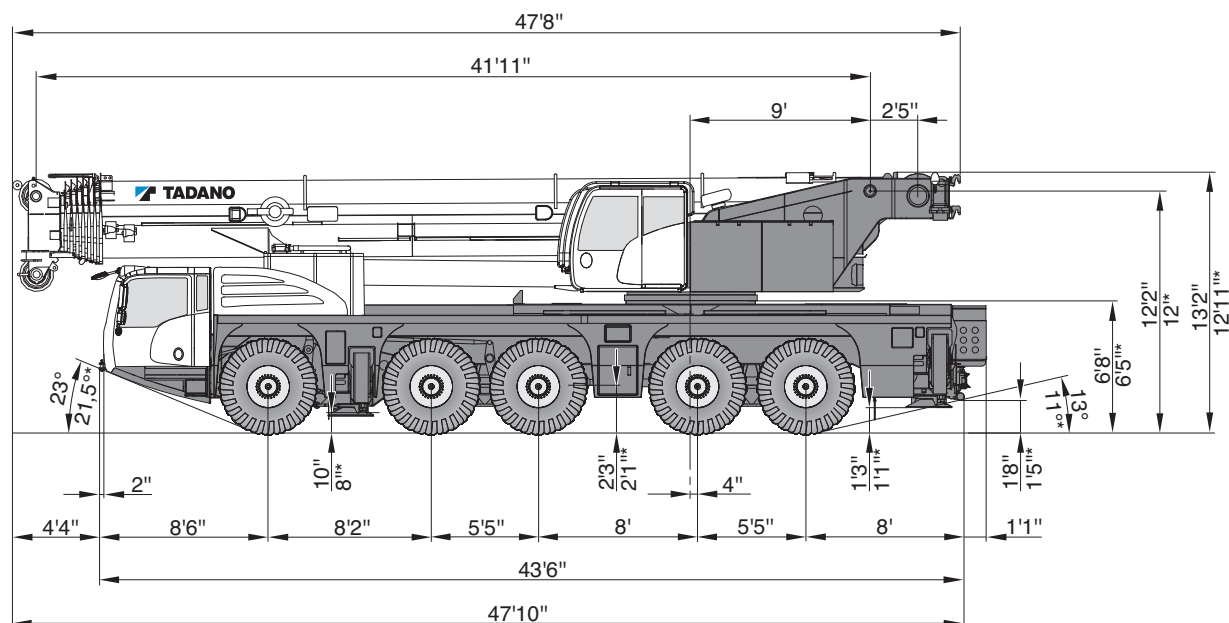
	Counterweight		Dolly
	Lifting capacities on outriggers · 360°		Working speeds
	Radius		Slewing
	Main boom		Max. line pull
	Folding swing-away jib		Rope diameter
	Runner		Rope length
	Max. axle loads		Hook block
	Mechanism		Number of lines
	Tires		Possible load of hook block
	Hook block		Weight of hook 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		Additional parts for hydraulic system

GENERAL TECHNICAL DATA



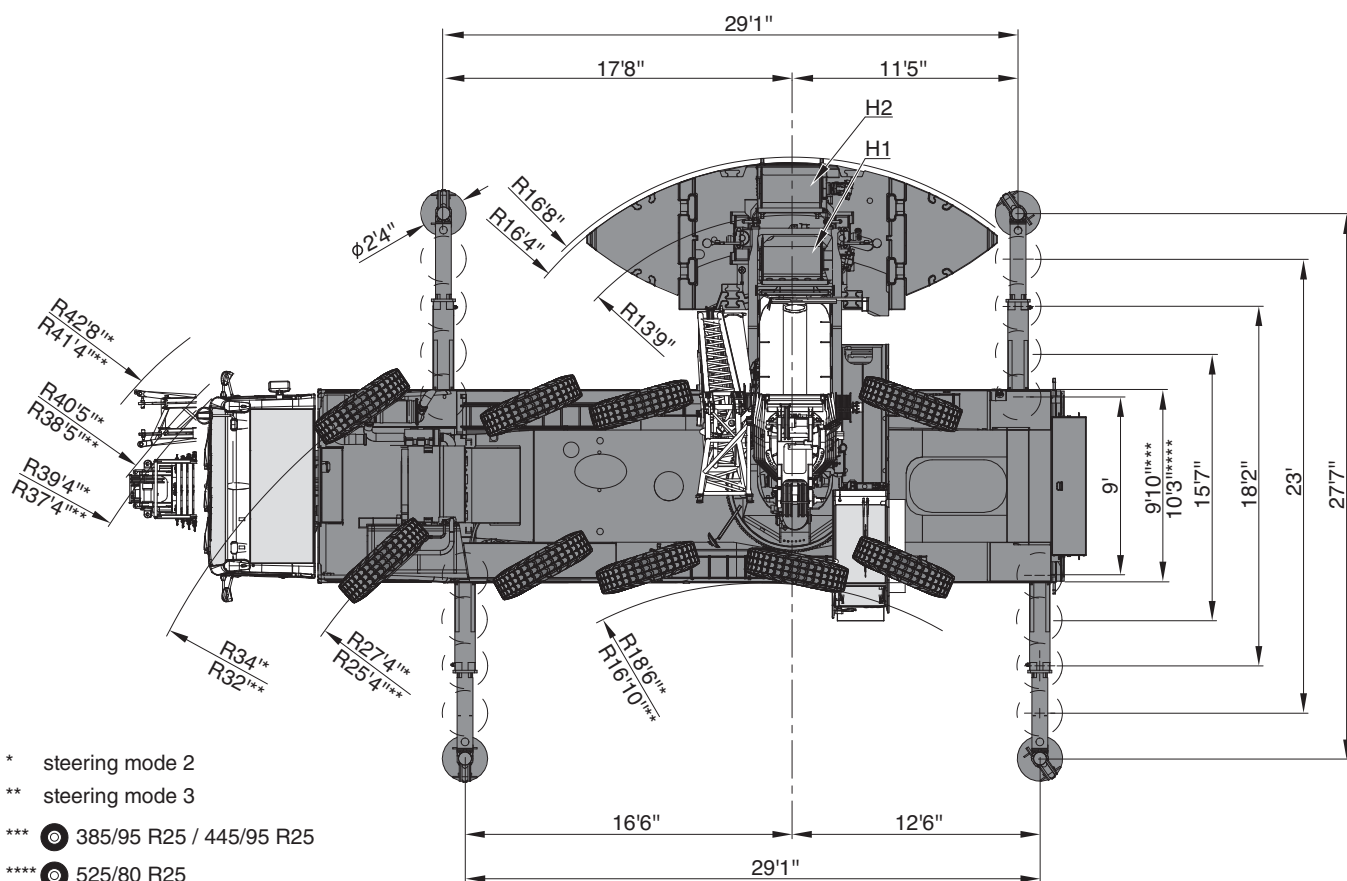
General

Vehicle dimensions



⊙ 445/95 R25 / 525/80 R25

* ⊙ 385/95 R25



* steering mode 2

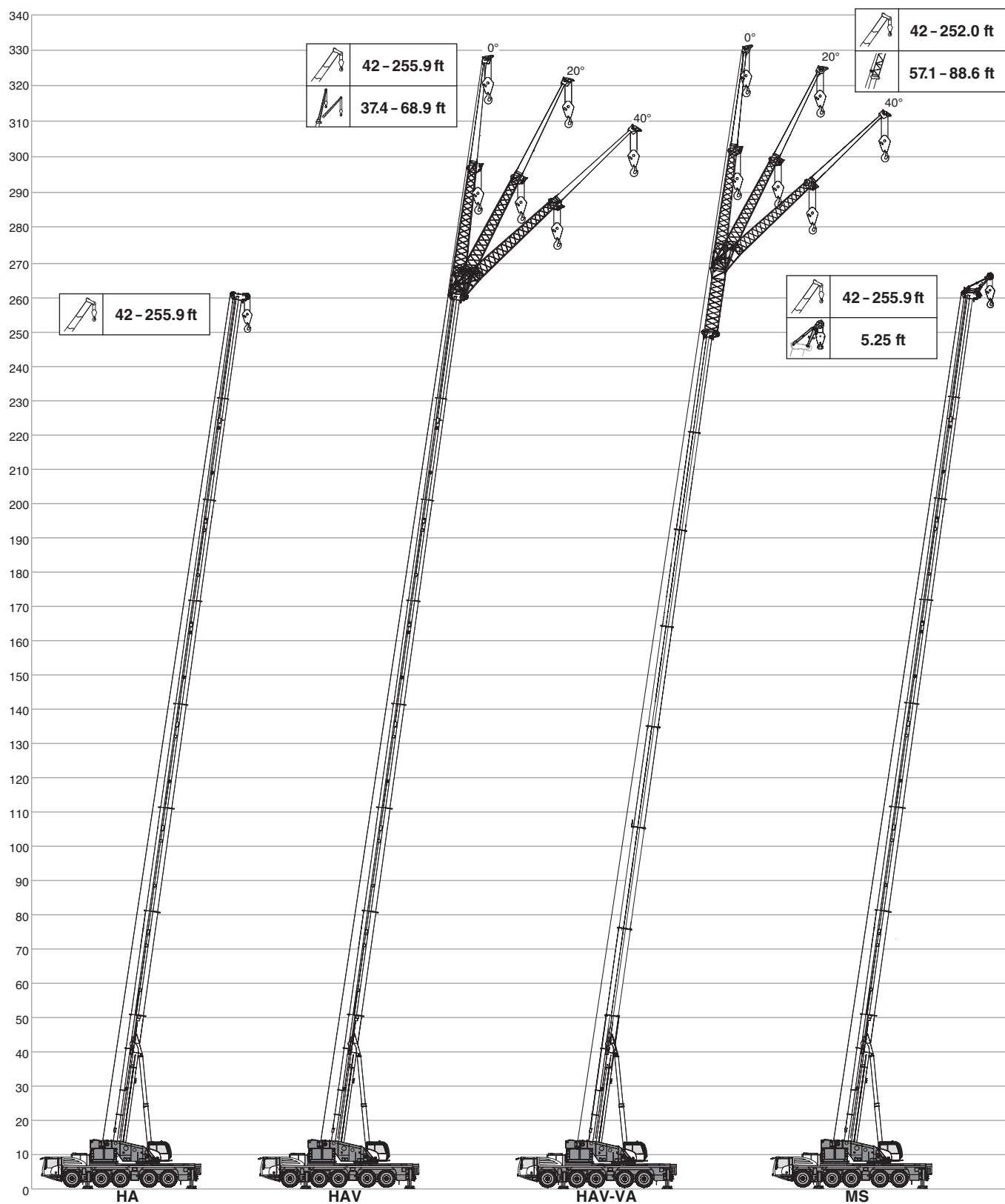
** steering mode 3

*** ⊙ 385/95 R25 / 445/95 R25

**** ⊙ 525/80 R25

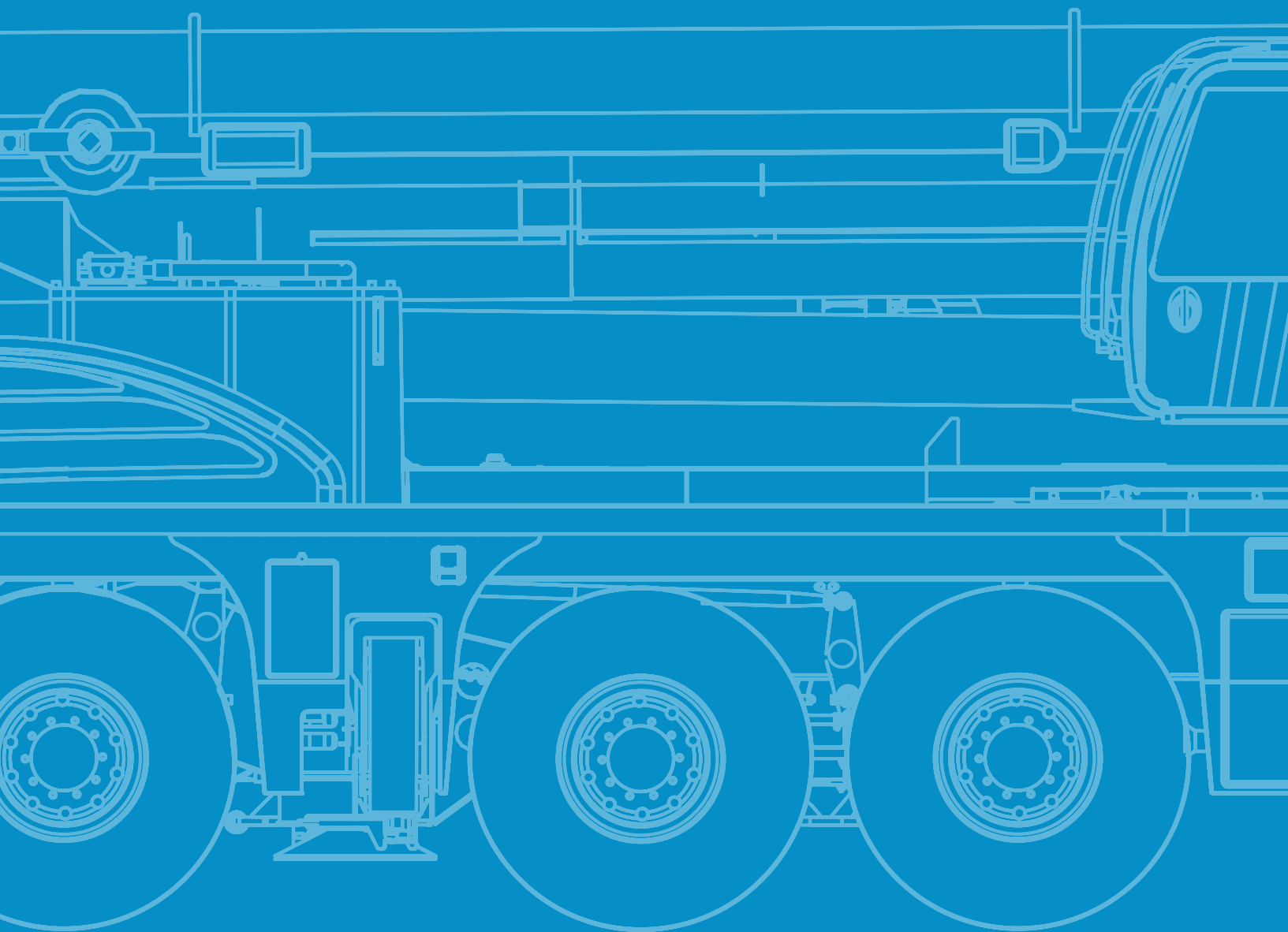
General

Boom combinations



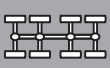
Notes

TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING



On-road and off-road driving

Axle loads

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

Speeds and gradeability

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

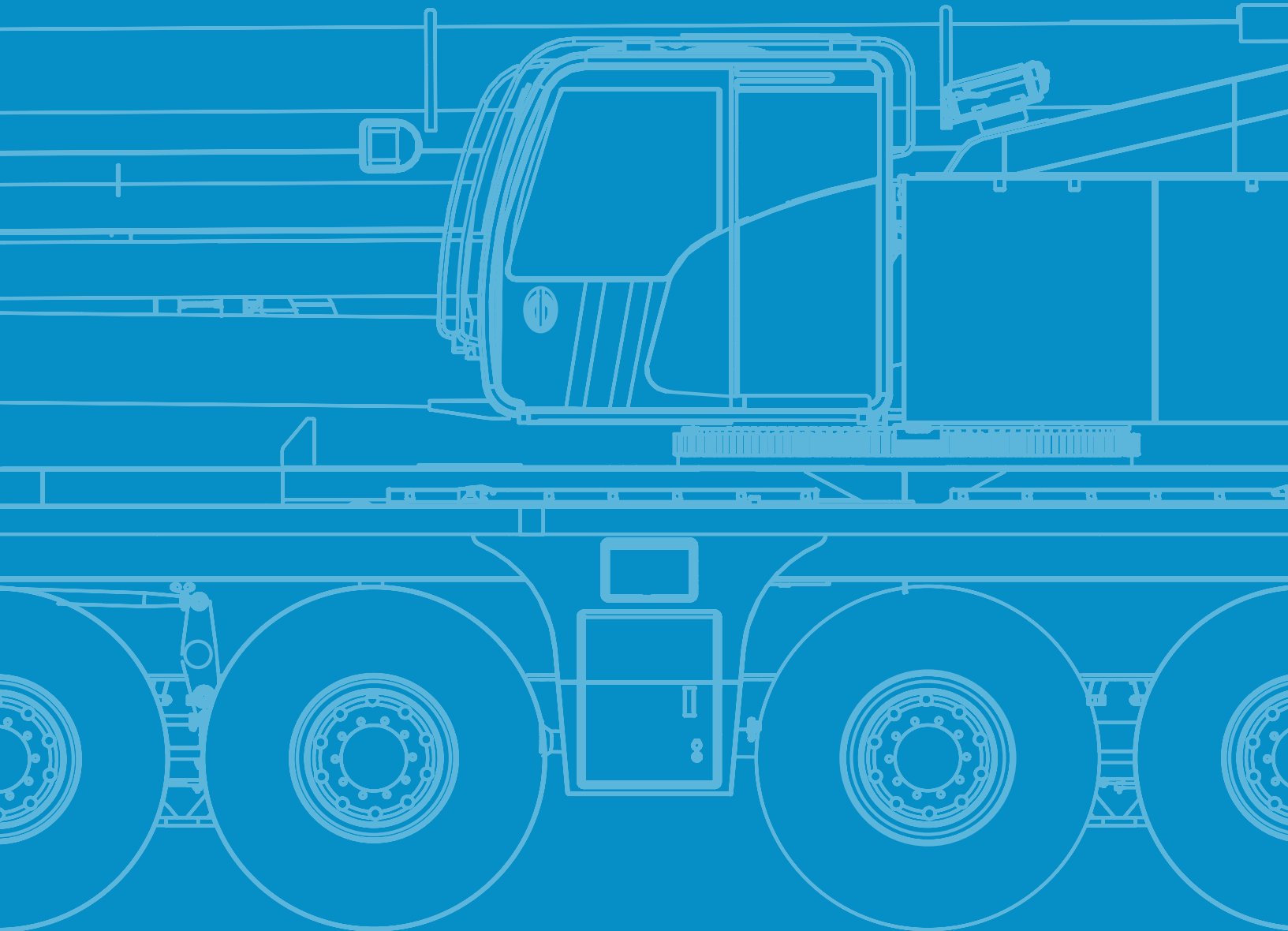
¹⁾ Depending on tire type, size and country specific legislation

Steering

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

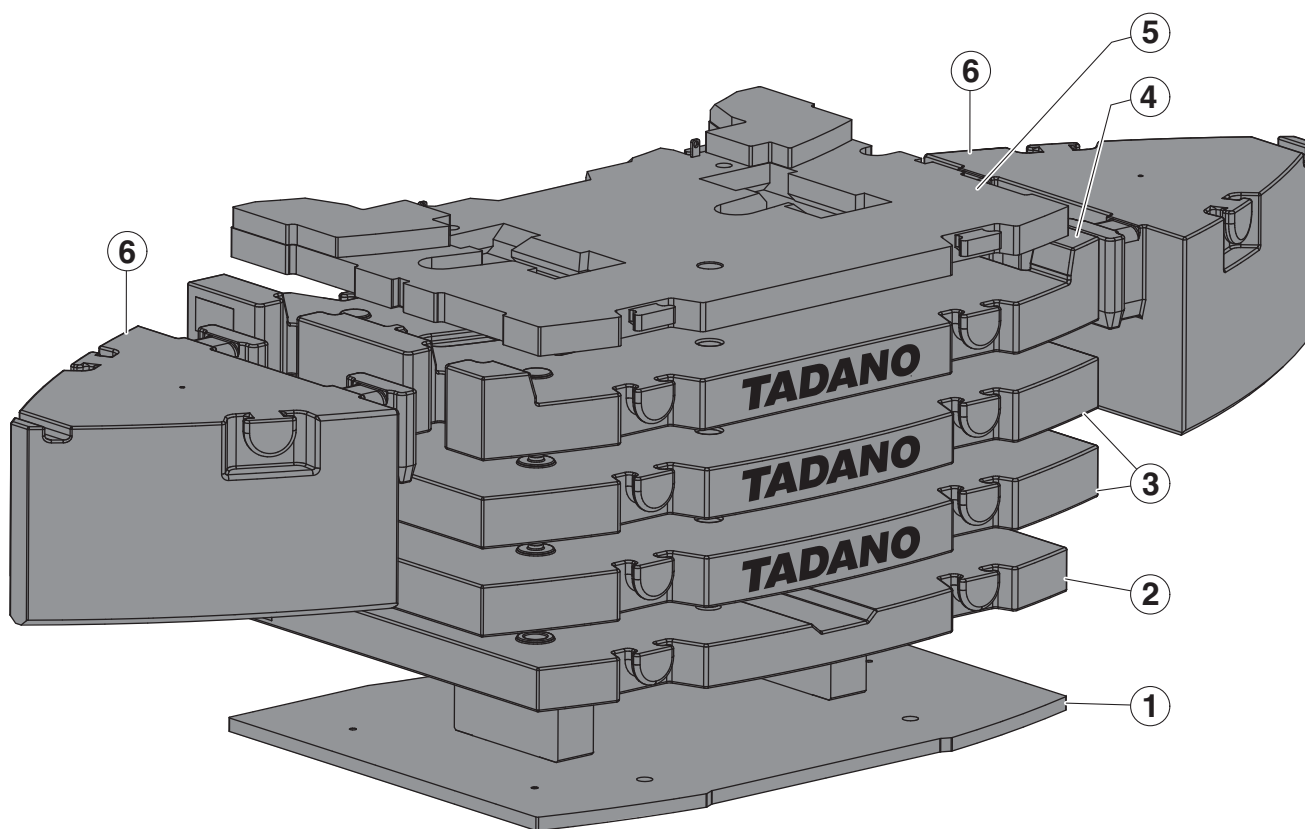
* must be activated

TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight



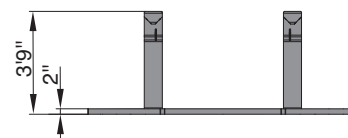
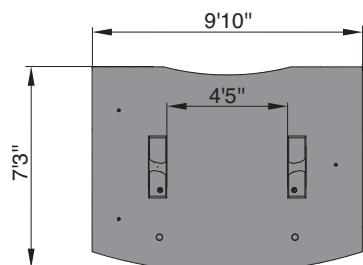
Configurations

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

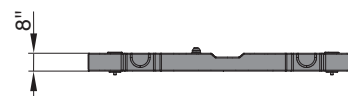
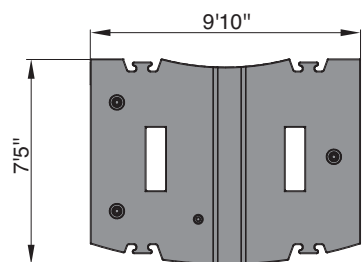
Transportation

Counterweight

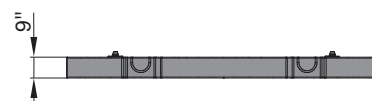
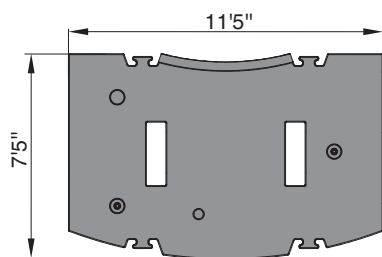
①



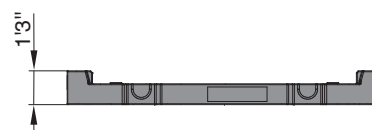
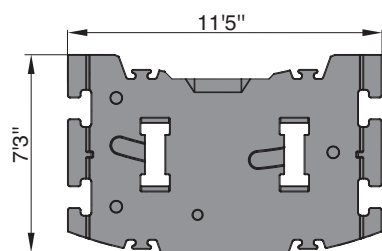
②



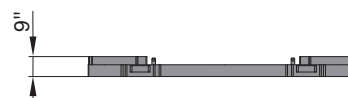
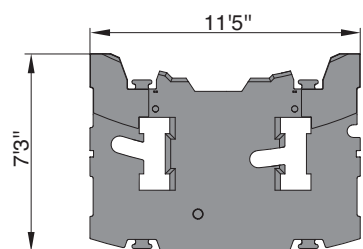
③



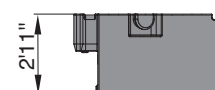
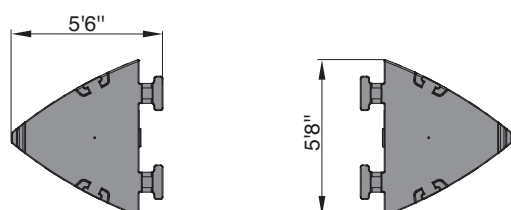
④



⑤



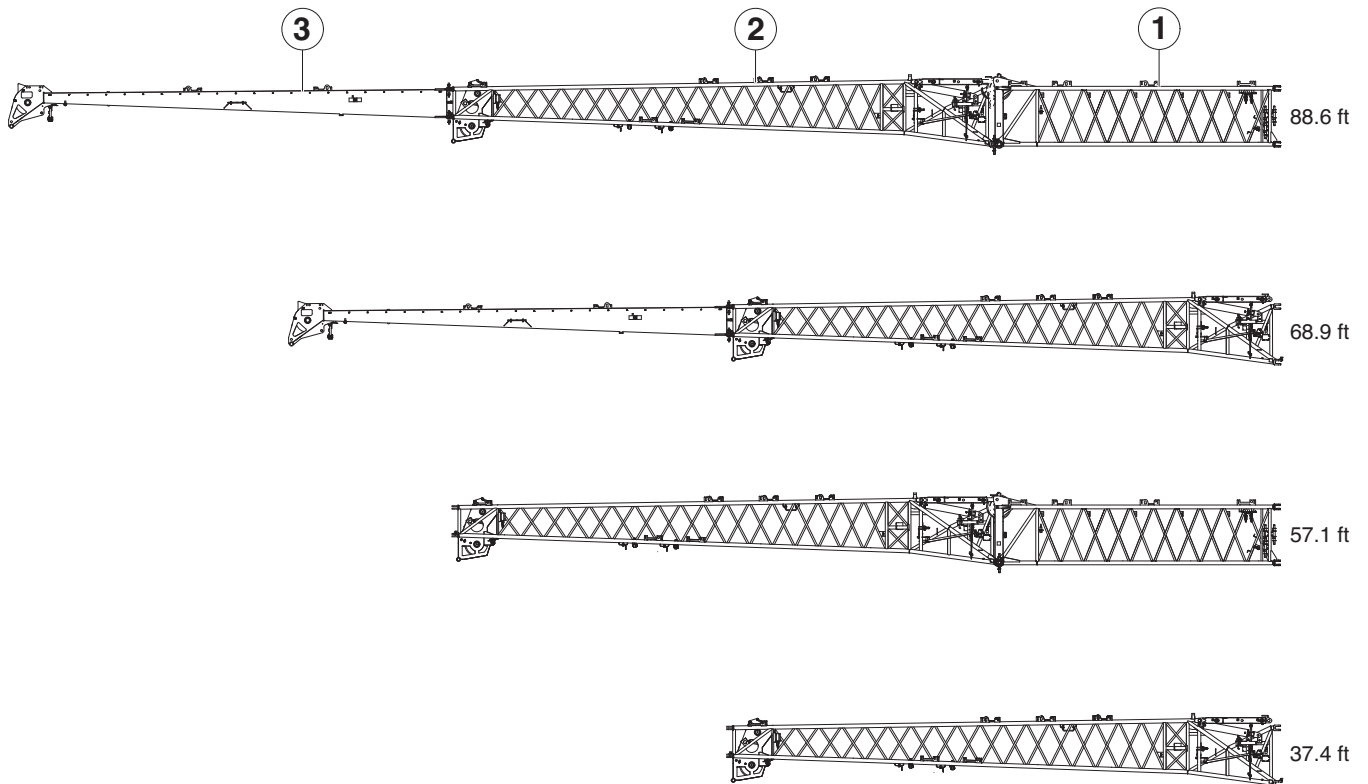
⑥



Transportation

Jib

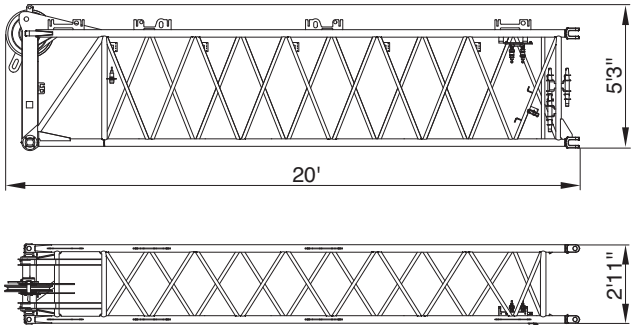
HAV / HAV-VA



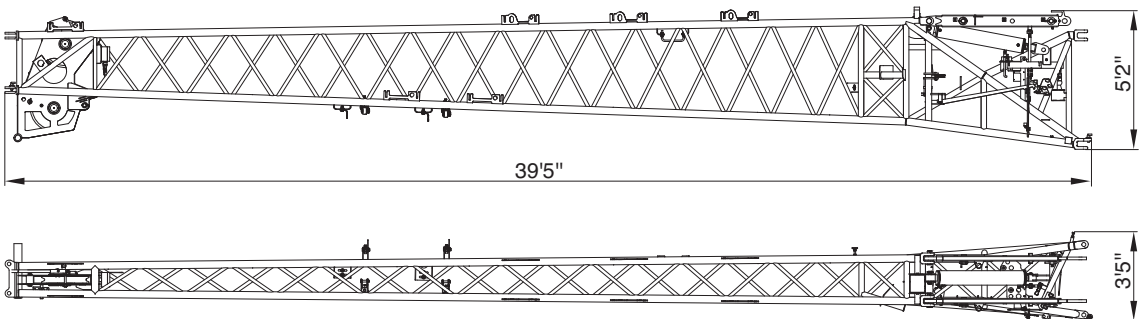
Transportation

Jib

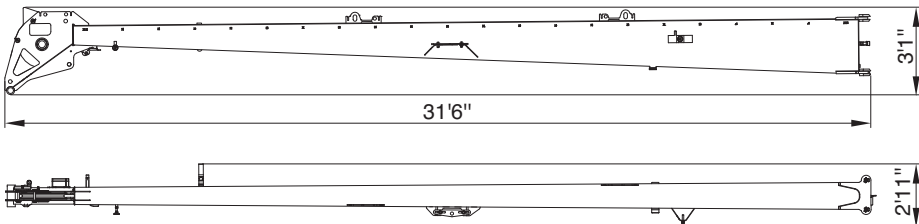
1  1,100



2  3,000 / 3,300 (HY)

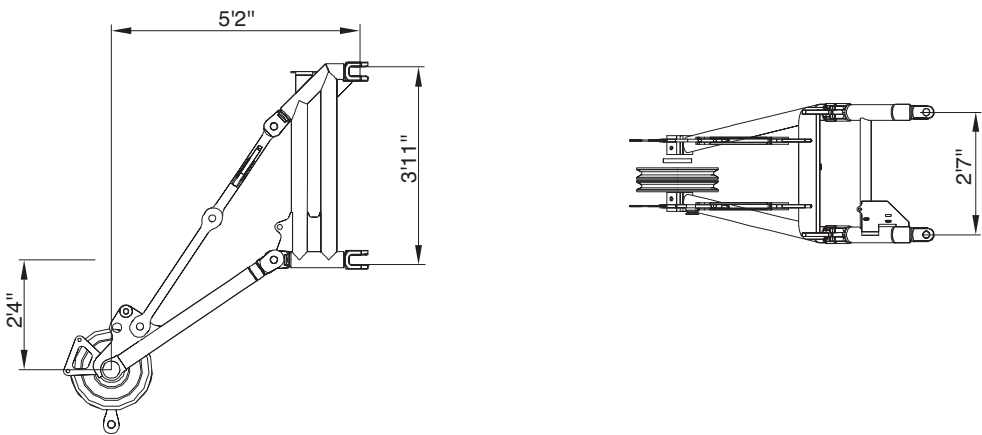


3  1,540



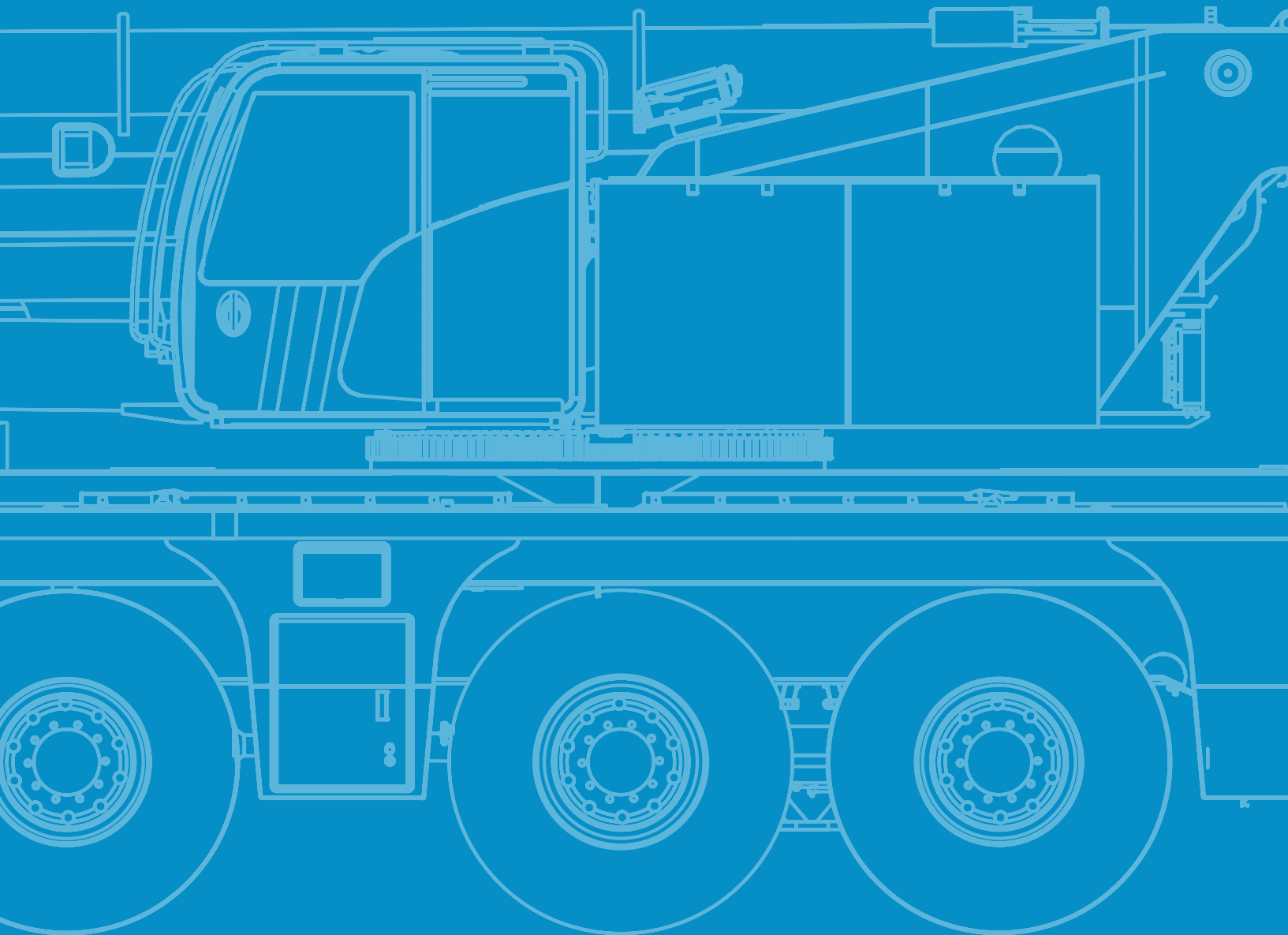
MS

 1,000



Notes

TECHNICAL DATA FOR OPERATION



Notes

Operation

Main boom



approx. 615 s (42.0-255.9 ft)



approx. 49 s (-1,4° - 82°)

Slewing

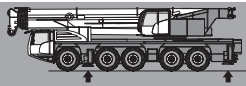


1,55 min⁻¹

Hoist

				
	394 ft/min	22,076 lbf	0.83 in	1083 ft
	394 ft/min	22,076 lbf	0.83 in	1083 ft

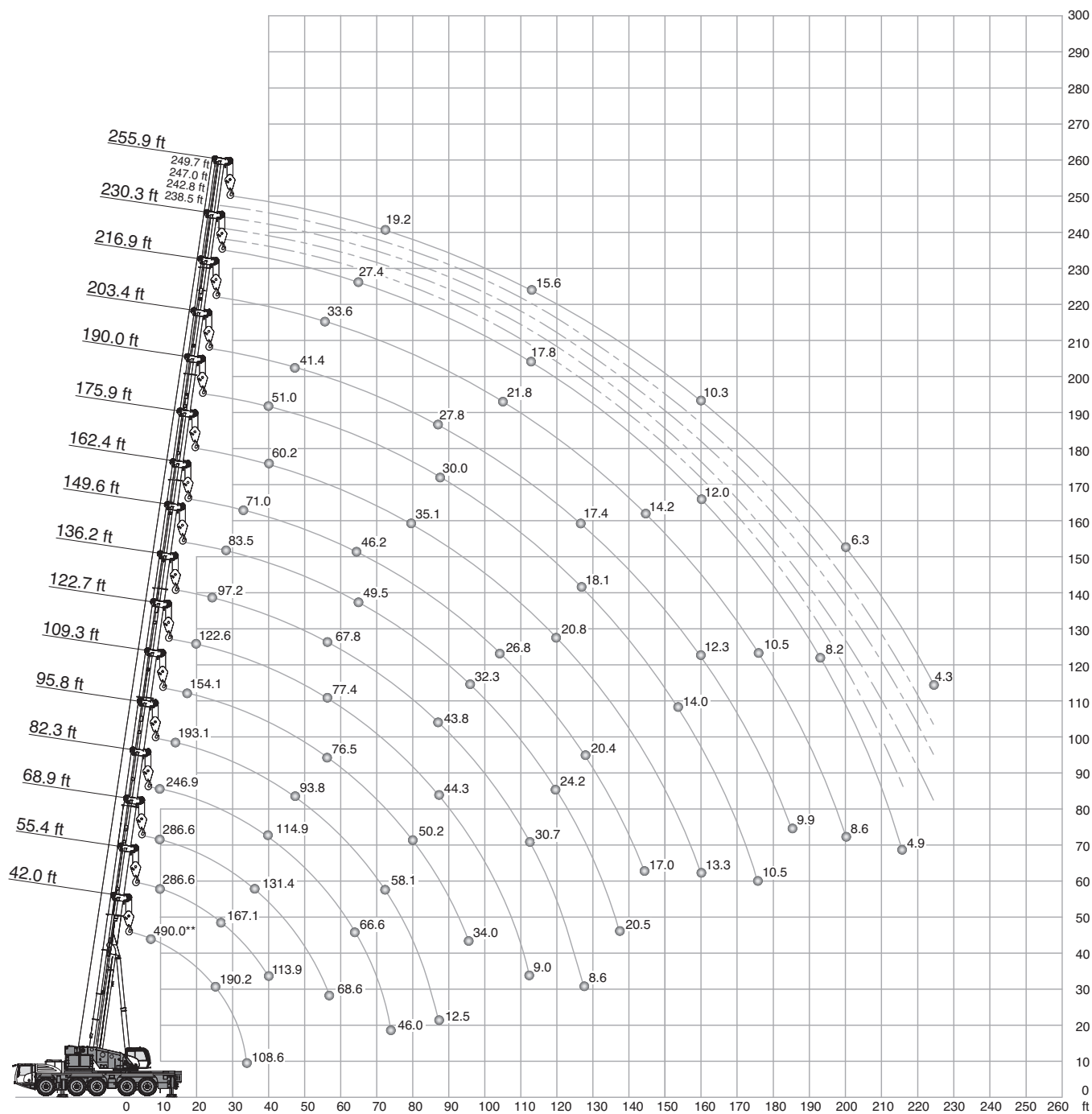
Outrigger cylinders

		
	209,500 lbs	231,500 lbs
	16.9 in	23 in

Hook Blocks



					
26,500 lbs	21,800	—	1	770 lbs	6.6 ft
70,600 lbs	64,800	1	3	1,390 lbs	8.9 ft
176,400 lbs	148,400	3	7	1,870 lbs	9.8 ft
275,600 lbs	209,000	5	10	2,490 lbs	9.8 ft
352,800 lbs	286,600	7	14	3,660 lbs	9.8 ft



** Max. crane capacity – with additional special equipment

 154,800 lbs		 27.60 ft x 29.10 ft										360°									
	(ft)																				
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
	1,000 lbs																				
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
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

113,800 lbs				 27.60 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
1,000 lbs																				
10	286.6	286.6	286.6	286.6	286.6	286.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-
12	284.9	285.2	284.5	284.9	284.5	285.6	246.9	248.0	-	-	-	-	-	-	-	-	-	-	-	-
14	270.5	272.8	269.5	270.6	269.4	272.7	246.9	248.0	193.1	193.1	-	-	-	-	-	-	-	-	-	-
16	248.8	251.3	248.8	249.9	247.7	250.2	245.3	245.5	189.6	189.6	-	-	-	-	-	-	-	-	-	-
18	230.8	232.7	230.8	232.4	229.8	232.0	230.8	231.8	188.1	188.1	154.1	154.1	-	-	-	-	-	-	-	-
20	213.8	215.2	213.8	215.9	214.3	214.9	213.8	215.8	187.2	187.2	153.0	153.0	122.6	122.6	-	-	-	-	-	-
24	185.1	185.3	185.3	185.5	186.1	186.4	185.2	185.2	177.8	177.8	149.7	149.7	119.6	119.6	97.2	97.2	-	-	-	-
28	158.1	158.1	159.4	159.4	158.9	158.9	157.8	157.8	156.1	156.1	146.4	146.4	116.5	116.5	93.4	93.4	83.5	83.5	-	-
32	108.6	108.6	136.8	136.8	136.6	136.6	135.3	135.3	137.0	137.0	134.3	134.3	112.8	112.8	90.7	90.7	81.4	81.4	71.0	71.0
36	-	-	119.9	119.9	119.6	119.6	118.6	118.6	120.1	120.1	118.1	118.1	108.2	108.2	87.3	87.3	78.1	78.1	69.2	69.2
40	-	-	103.1	103.1	104.5	104.5	106.0	106.0	104.9	104.9	103.0	103.0	102.7	102.7	83.6	83.6	74.4	74.4	66.8	66.8
48	-	-	-	-	84.5	84.5	85.3	85.3	84.1	84.1	84.4	84.4	83.9	83.9	75.5	75.5	64.6	64.6	59.2	59.2
56	-	-	-	-	64.5	64.5	70.3	70.3	70.1	70.1	70.8	70.8	68.7	69.0	67.8	67.8	56.4	56.4	52.3	52.3
64	-	-	-	-	-	-	57.8	59.3	59.8	60.7	58.3	59.6	56.9	57.8	57.7	59.2	49.5	49.5	46.2	46.2
72	-	-	-	-	-	-	44.4	45.6	49.6	52.2	48.1	51.1	49.8	51.9	47.8	50.7	44.2	44.2	40.7	40.7
80	-	-	-	-	-	-	-	-	41.7	44.4	43.4	44.3	42.4	45.6	40.3	44.0	39.4	39.7	36.0	36.0
88	-	-	-	-	-	-	-	-	12.5	12.5	37.9	40.7	36.3	40.3	34.3	38.5	33.5	35.6	32.4	32.4
96	-	-	-	-	-	-	-	-	-	-	32.4	33.8	31.5	35.7	29.6	33.9	28.5	32.3	28.4	29.3
104	-	-	-	-	-	-	-	-	-	-	12.0	12.0	27.6	32.0	26.2	30.2	26.4	29.2	24.1	26.8
112	-	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	23.6	27.0	23.2	26.5	20.6	24.4
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.1	23.9	20.3	23.8	18.5	22.3
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	17.7	22.5	16.7	20.4
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.9	20.2	15.6	18.2
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.4	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

	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 lbs																			
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
80	35.1	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
88	31.2	31.2	30.0	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
96	27.3	28.0	26.9	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
104	24.4	25.1	23.6	24.3	23.2	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
112	21.0	22.8	21.6	21.9	20.8	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
120	18.1	20.8	18.5	19.8	18.2	19.2	18.4	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
128	16.4	19.2	16.0	18.1	16.7	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
136	14.9	17.6	14.4	16.6	14.8	15.8	14.3	15.7	14.6	14.6	14.0	14.1	13.7	13.7	13.5	13.5	13.2	13.2	13.0	13.0
144	13.3	16.2	13.3	15.3	13.0	14.6	13.5	14.2	12.7	13.7	12.2	13.1	12.0	12.4	12.2	12.4	12.2	12.2	12.2	12.2
152	11.8	14.5	12.0	14.0	12.2	13.3	11.9	12.9	10.8	12.9	10.5	12.0	10.4	11.5	10.4	11.3	10.4	11.3	10.8	11.1
160	11.2	12.8	10.9	12.9	11.2	12.3	10.4	11.9	9.3	12.0	9.6	10.9	8.8	10.5	8.8	10.3	8.8	10.3	9.2	10.3
168	-	-	10.1	11.7	10.1	11.4	9.0	11.1	7.9	11.0	8.6	9.9	7.3	9.7	7.5	9.5	7.5	9.5	7.8	9.5
176	-	-	9.6	10.3	9.2	10.5	7.7	10.5	6.6	10.1	7.6	9.0	6.1	8.7	6.1	8.5	6.1	8.5	6.6	8.7
184	-	-	-	-	8.1	9.9	6.6	9.8	5.5	9.1	6.6	8.0	4.9	7.9	5.0	7.7	5.0	7.7	5.4	7.9
192	-	-	-	-	-	-	5.6	9.1	4.4	8.2	5.5	7.1	3.8	7.1	4.0	6.9	4.0	6.9	4.2	7.1
200	-	-	-	-	-	-	5.1	8.4	3.5	7.4	4.6	6.5	2.8	6.3	3.0	6.2	3.0	6.2	3.3	6.3
208	-	-	-	-	-	-	-	-	-	6.3	3.7	5.8	-	5.6	-	5.6	-	5.6	-	5.6
216	-	-	-	-	-	-	-	-	-	4.9	2.9	5.1	-	4.9	-	4.9	-	4.9	-	4.9
224	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	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

41,200 lbs				 27.60 ft x 29.10 ft								360° / Max.*								ASME B30.5			
	ft	360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4		
ft		1,000 lbs																					
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	-		
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	-		
96	-	-	-	-	-	-	-	-	-	-	16.8	24.2	16.2	24.1	16.3	24.2	15.4	22.2	16.1	22.4	-		
104	-	-	-	-	-	-	-	-	-	-	12.0	12.0	14.7	21.7	13.7	20.3	14.0	19.0	13.8	19.2	-		
112	-	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	11.7	17.3	12.2	17.1	11.6	16.2	-		
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	15.1	10.4	15.5	10.0	14.8	-		
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	8.7	13.3	8.9	13.1	-		
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	11.8	7.6	11.4	-		
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	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	-		

	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 lbs																				
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 lbs		 27.60 ft x 29.10 ft										360° / Max.*						ASME B30.5			
 ft	360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4	
ft	1,000 lbs																				
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	
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	
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	
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	
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	
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	
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	
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	
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	
96	-	-	-	-	-	-	-	-	-	-	6.5	14.5	6.8	14.3	6.3	13.9	5.4	14.0	5.9	13.3	
104	-	-	-	-	-	-	-	-	-	-	5.0	12.0	5.0	11.8	4.6	11.9	3.7	11.5	4.2	11.9	
112	-	-	-	-	-	-	-	-	-	-	-	-	3.7	9.0	-	10.1	-	9.6	-	9.8	
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7	-	8.0	-	8.2	
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	6.5	-	6.7	
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	5.5	
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	

	ft	360° 175.9	Max. 175.9	360° 190.0	Max. 190.0	360° 203.4	Max. 203.4	360° 216.9	Max. 216.9	360° 230.3	Max. 230.3	360° 238.5	Max. 238.5	360° 242.8	Max. 242.8	360° 247.0	Max. 247.0	360° 249.7	Max. 249.7	360° 255.9	Max. 255.9
1,000 lbs																					
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	-
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	-
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	-
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	-
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

 154,800 lbs				 23.00 ft x 29.10 ft				360° / Max.*												ASME B30.5			
 ft		360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4		
ft		1,000 lbs																					
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	-		
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	-		
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	-		
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	-		
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	-		
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	-		
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	-		
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	-		
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	-		
96	-	-	-	-	-	-	-	-	-	-	30.0	34.0	28.8	37.8	27.9	35.9	27.9	32.3	26.4	29.3	-		
104	-	-	-	-	-	-	-	-	-	-	12.0	12.0	25.3	33.4	24.9	31.6	24.7	29.2	22.9	26.8	-		
112	-	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	23.0	27.8	21.7	26.5	20.4	24.4	-		
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9	24.4	19.3	23.8	18.5	22.3	-		
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	17.5	22.6	16.6	20.4		
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.6	20.3	15.6	18.2		
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.4	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	-		

	ft	360° 175.9	Max. 175.9	360° 190.0	Max. 190.0	360° 203.4	Max. 203.4	360° 216.9	Max. 216.9	360° 230.3	Max. 230.3	360° 238.5	Max. 238.5	360° 242.8	Max. 242.8	360° 247.0	Max. 247.0	360° 249.7	Max. 249.7	360° 255.9	Max. 255.9	
ft	1,000 lbs																					
40	60.2	60.2	51.0	51.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
48	55.1	55.1	49.2	49.2	41.4	41.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
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	-	
208	-	-	-	-	-	-	-	-	4.2	6.3	5.1	5.8	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	3.4	4.9	-	
224	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	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

113,800 lbs				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.
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
ft		1,000 lbs																	
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
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
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
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
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
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
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
80	-	-	-	-	-	-	-	-	30.4	44.4	29.7	44.3	29.1	45.6	29.7	44.0	28.2	39.7	27.7
88	-	-	-	-	-	-	-	-	12.5	12.5	25.4	40.7	25.7	40.3	25.4	38.5	24.1	35.6	24.4
96	-	-	-	-	-	-	-	-	-	-	22.4	33.8	23.2	35.7	21.9	33.9	20.9	32.3	21.0
104	-	-	-	-	-	-	-	-	-	-	12.0	12.0	20.4	32.0	19.1	30.2	19.0	29.2	18.2
112	-	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	16.9	27.0	16.9	26.5	16.2
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	23.9	15.4	23.8	14.9
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	13.7	22.5	13.4
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.2	20.2	20.2	18.2
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	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

ft		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
ft		1,000 lbs																	
40	60.2	60.2	51.0	51.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	55.1	55.1	49.2	49.2	41.4	41.4	39.5	33.6	33.6	-	-	-	-	-	-	-	-	-	-
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
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
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
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
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
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
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
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
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
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
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
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
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
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
184	-	-	-	-	5.7	9.9	4.6	9.8	-	9.1	3.4	8.0	-	7.9	-	7.7	-	7.7	-
192	-	-	-	-	-	-	3.8	9.1	-	8.2	-	7.1	-	7.1	-	6.9	-	6.9	-
200	-	-	-	-	-	-	3.0	8.4	-	7.4	-	6.5	-	6.3	-	6.2	-	6.2	-
208	-	-	-	-	-	-	-	-	-	6.3	-	5.8	-	5.6	-	5.6	-	5.6	-
216	-	-	-	-	-	-	-	-	-	4.9	-	5.1	-	4.9	-	4.9	-	4.9	-
224	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	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 lbs			 23.00 ft x 29.10 ft										360° / Max.*						ASME B30.5			
	ft	360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4	
ft	1,000 lbs																					
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		

	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 lbs																				
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	-	5.0
136	3.5	10.1	2.9	10.3	-	9.2	-	7.5	-	4.7	-	3.8	-	3.6	-	3.5	-	3.5	-	3.8
144	2.7	8.7	-	8.7	-	7.8	-	6.4	-	3.6	-	2.7	-	2.5	-	2.5	-	2.5	-	2.7
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

 0 lbs		 23.00 ft x 29.10 ft										360° / Max.*						ASME B30.5			
 ft	360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4	
ft	1,000 lbs																				
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	

	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 lbs																			
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 lbs				 18.20 ft x 29.10 ft								360° / Max.*								ASME B30.5			
	ft	360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4		
ft	1,000 lbs																						
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			
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			
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			
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			
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			
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			
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			
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			
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			
96	-	-	-	-	-	-	-	-	-	-	18.9	33.8	18.2	35.7	17.7	33.9	17.8	32.3	17.6	29.3			
104	-	-	-	-	-	-	-	-	-	-	12.0	12.0	15.7	32.0	16.3	30.2	15.7	29.2	15.1	26.8			
112	-	-	-	-	-	-	-	-	-	-	-	-	9.0	9.0	14.4	26.7	13.6	26.0	13.8	24.4			
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.7	23.5	12.2	23.8	12.6	22.1			
128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	8.6	11.2	22.1	11.1	19.7			
136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.3	20.0	9.9	17.5			
144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	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			

	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 lbs																			
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
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
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
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
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
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
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
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
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
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
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
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
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
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
184	-	-	-	-	3.0	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	-	-	-	-	-	-	-	8.1	-	7.2	-	6.5	-	6.3	-	6.2	-	6.2	-	6.3
208	-	-	-	-	-	-	-	-	-	6.1	-	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	-	4.1	-	4.1	-	4.3
1)	3.3	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

41,200 lbs				 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
1,000 lbs																				
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	82.3	122.6	64.0	-	-	-	-	-
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

	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 lbs																				
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 lbs		 18.20 ft x 29.10 ft										360° / Max.*								ASME B30.5			
 ft	ft	360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4		
1,000 lbs																							
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	-	-	-		

	ft	360° 175.9	Max. 175.9	360° 190.0	Max. 190.0	360° 203.4	Max. 203.4	360° 216.9	Max. 216.9	360° 230.3	Max. 230.3	360° 238.5	Max. 238.5	360° 242.8	Max. 242.8	360° 247.0	Max. 247.0	360° 249.7	Max. 249.7	360° 255.9	Max. 255.9
ft		1,000 lbs																			
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

41,200 lbs				 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
1,000 lbs																				
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.
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
1,000 lbs																
40	23.8	55.6	20.5	50.3	-	-	-	-	-	-	-	-	-	-	-	-
48	18.5	43.5	16.6	41.8	14.8	39.2	11.2	32.3	9.2	30.8	-	-	-	-	-	-
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
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
80	6.8	21.9	5.5	21.5	4.2	20.4	-	19.3	-	16.2	-	15.3	-	15.1	-	14.9
88	5.1	18.6	3.9	19.1	-	17.8	-	16.2	-	13.2	-	12.3	-	12.2	-	12.0
96	3.7	16.9	-	15.7	-	15.6	-	13.4	-	10.5	-	9.6	-	9.4	-	9.3
104	-	14.4	-	14.1	-	12.9	-	11.1	-	8.4	-	7.5	-	7.3	-	7.2
112	-	12.1	-	12.2	-	10.7	-	8.9	-	6.3	-	5.6	-	5.4	-	5.4
120	-	11.0	-	10.1	-	9.3	-	7.3	-	4.7	-	4.0	-	3.8	-	3.8
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

 0 lbs		 13.60 ft x 29.10 ft										360° / Max.*						ASME B30.5			
 ft	360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4	
ft	1,000 lbs																				
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	-	-	-	-	

	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 lbs																			
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

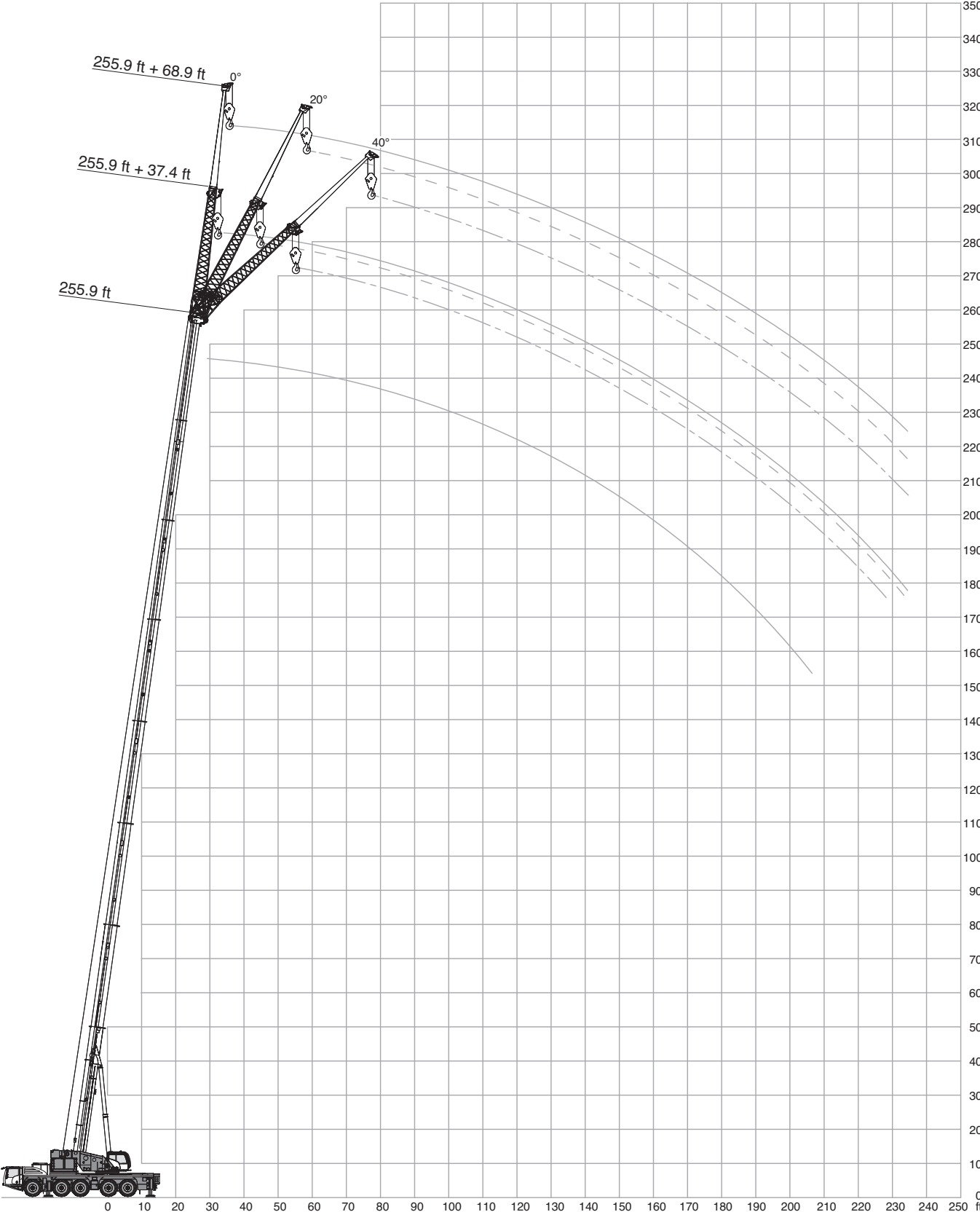
 0 lbs		 9.00 ft x 29.10 ft										360° / Max.*						ASME B30.5			
 ft	360° 42.0	Max. 42.0	360° 55.4	Max. 55.4	360° 68.9	Max. 68.9	360° 82.3	Max. 82.3	360° 95.8	Max. 95.8	360° 109.3	Max. 109.3	360° 122.7	Max. 122.7	360° 136.2	Max. 136.2	360° 149.6	Max. 149.6	360° 162.4	Max. 162.4	
ft	1,000 lbs																				
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	-	-	-	-	

 ft	360° 175.9	Max. 175.9	360° 190.0	Max. 190.0	360° 203.4	Max. 203.4	360° 216.9	Max. 216.9	360° 230.3	Max. 230.3	360° 238.5	Max. 238.5	360° 242.8	Max. 242.8	360° 247.0	Max. 247.0	360° 249.7	Max. 249.7	360° 255.9	Max. 255.9
ft	1,000 lbs																			
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

Notes



Operation

HAV

 154,800 lbs								 27.60 ft x 29.10 ft								360°								ASME B30.5							
 42.0 ft																 136.2 ft															
 		37.4 ft			68.9 ft					 		37.4 ft			68.9 ft																
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°																
ft		1,000 lbs																													
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														
32		36.0	27.7	22.5		19.3	-	-		88		24.4	20.5	18.2		14.1	10.6														
36		33.0	26.1	21.5		18.2	-	-		96		22.9	19.5	17.6		13.5	10.2														
40		30.3	24.5	20.6		17.0	13.6	-		104		21.6	18.6	17.0		12.7	9.8														
48		26.1	21.9	19.3		14.9	12.3	-		112		20.2	17.8	16.7		11.9	9.5														
56		22.7	20.0	-		13.2	11.2	-		120		19.1	17.1	16.4		11.3	9.2														
64		20.1	18.7	-		11.7	10.3	9.1		128		18.2	16.5	6.2		10.8	8.9														
72		-	-	-		10.6	9.5	8.6		136		17.4	16.0	-		10.3	8.7														
80		-	-	-		9.8	9.0	8.3		144		16.6	15.7	-		9.7	8.4														
88		-	-	-		9.1	8.5	-		152		16.2	4.6	-		9.4	8.3														
96		-	-	-		8.5	-	-		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 lbs					
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 lbs					
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 lbs								 27.60 ft x 29.10 ft								360°								ASME B30.5							
 42.0 ft																 136.2 ft															
		37.4 ft			68.9 ft							37.4 ft			68.9 ft																
		0°	20°	40°	0°	20°	40°					0°	20°	40°	0°	20°	40°														
ft		1,000 lbs																													
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							
		37.4 ft			68.9 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lbs					
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							
		37.4 ft			68.9 ft		
		0°	20°	40°	0°	20°*	40°*
ft		1,000 lbs					
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

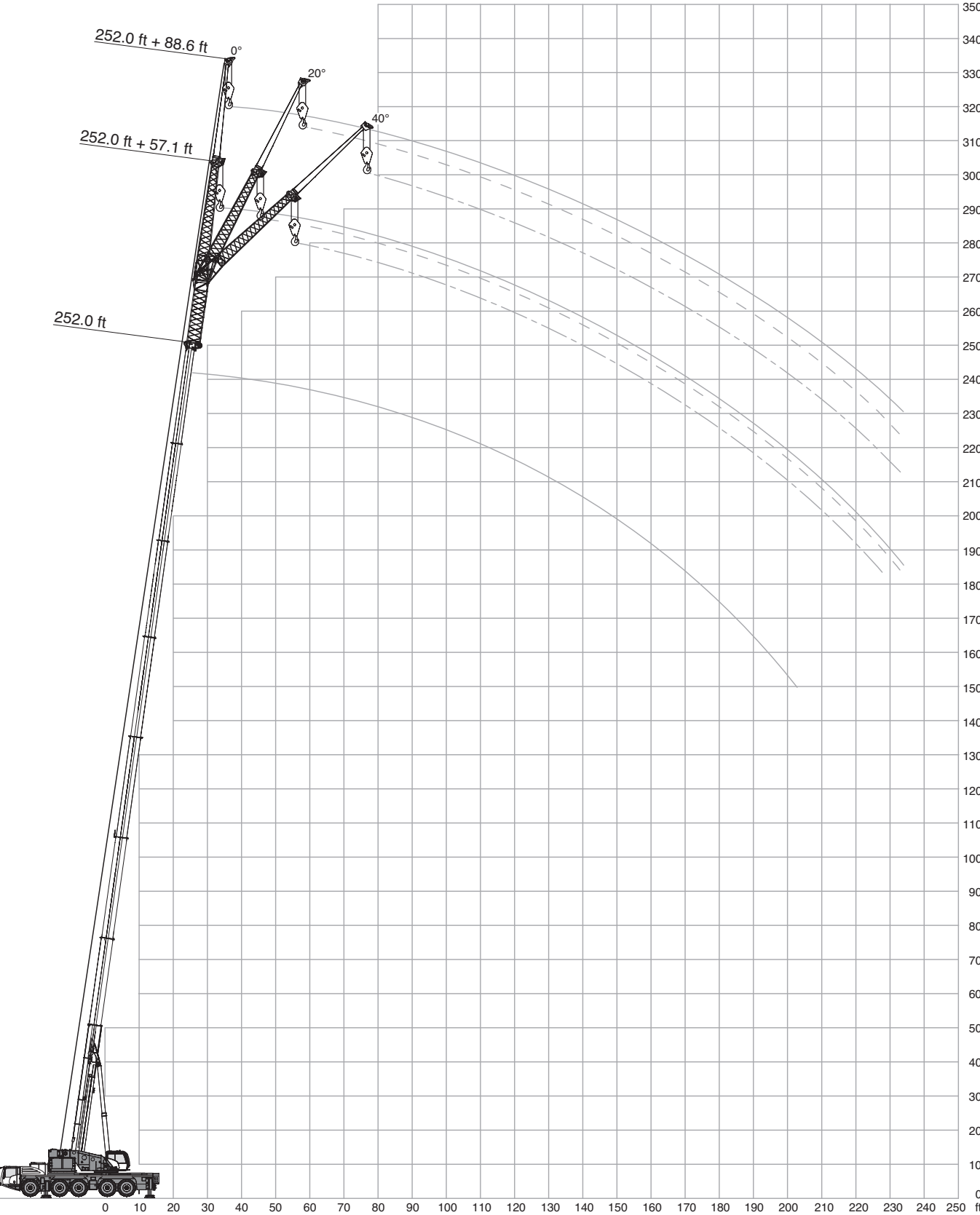
 *252.0 ft

 *252.0 ft

 41,200 lbs								 27.60 ft x 29.10 ft									
 42.0 ft																	
		37.4 ft			68.9 ft							37.4 ft			68.9 ft		
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°		
ft		1,000 lbs															
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							
		37.4 ft			68.9 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lbs					
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							
		37.4 ft			68.9 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lbs					
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

154,800 lbs								27.60 ft x 29.10 ft								360°								ASME B30.5							
 42.0 ft																 136.2 ft															
		57.1 ft			88.6 ft							57.1 ft			88.6 ft																
		0°	20°	40°	0°	20°	40°					0°	20°	40°	0°	20°	40°														
ft		1,000 lbs																													
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		11.3	10.0	-	8.0	7.2	6.0														
104		-	-	-	9.1	8.4	-			168		10.9	2.9	-	7.5	6.9	-														
112		-	-	-	8.4	-	-			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 lbs					
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 lbs					
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 lbs								 27.60 ft x 29.10 ft								360°								ASME B30.5							
 42.0 ft																 136.2 ft															
		57.1 ft			88.6 ft							57.1 ft			88.6 ft																
		0°	20°	40°	0°	20°	40°					0°	20°	40°	0°	20°	40°														
ft		1,000 lbs																													
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							
		57.1 ft			88.6 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lbs					
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							
		57.1 ft			88.6 ft		
		0°	20°	40°	0°*	20°**	40°**
ft		1,000 lbs					
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

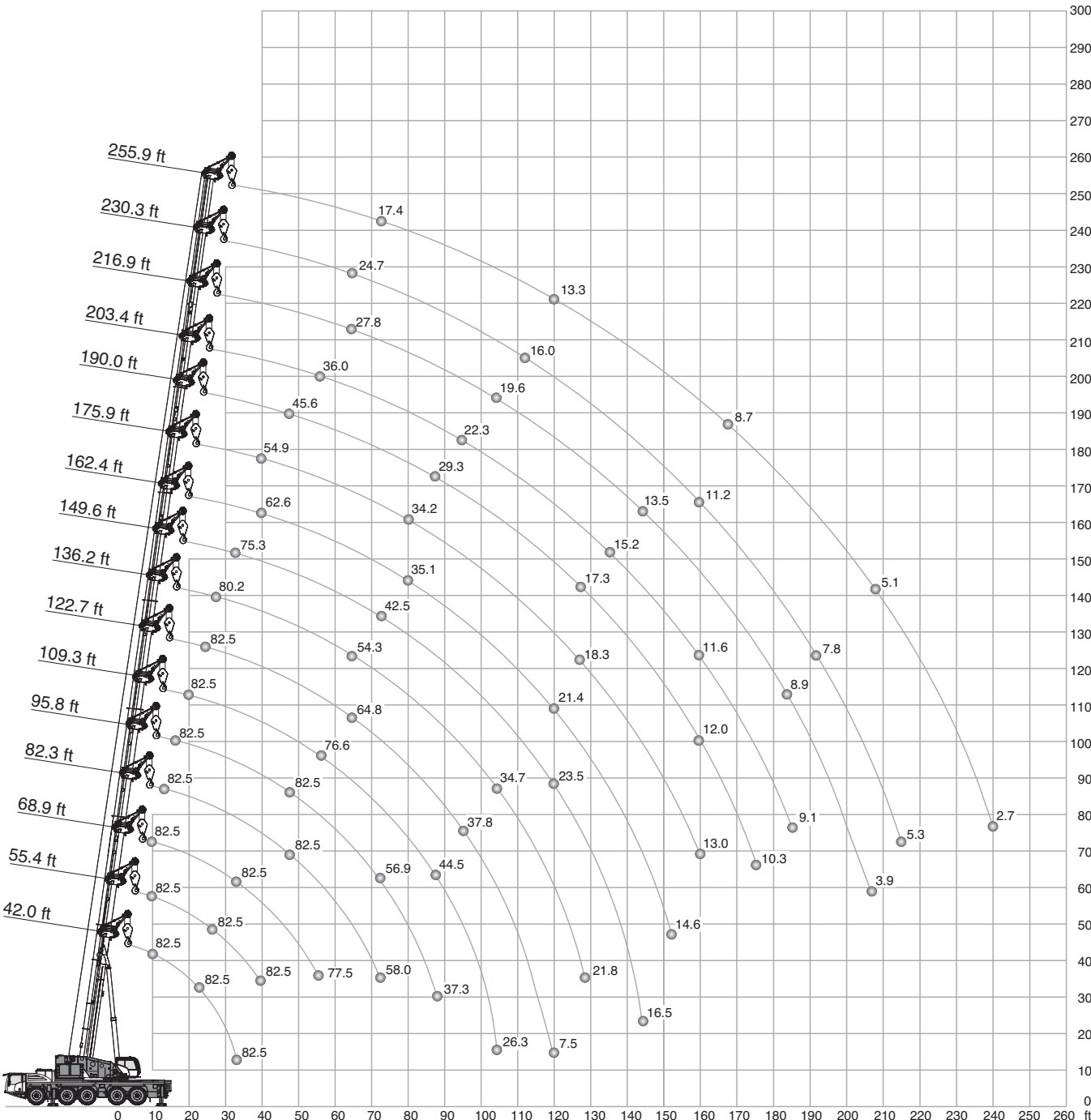
Operation

HAV-VA

41,200 lbs								27.60 ft x 29.10 ft								360°								ASME B30.5							
42.0 ft																136.2 ft															
		57.1 ft			88.6 ft							57.1 ft			88.6 ft							57.1 ft			88.6 ft						
		0°	20°	40°	0°	20°	40°									0°	20°	40°	0°	20°	40°										
ft		1,000 lbs																1,000 lbs													
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	-	-																							

175.9 ft																255.9 ft															
		57.1 ft			88.6 ft							57.1 ft			88.6 ft							57.1 ft			88.6 ft						
		0°	20°	40°	0°	20°	40°									0°	20°*	40°*	0°*	20°**	40°**										
ft		1,000 lbs																1,000 lbs													
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																							

*230.3 ft **218.8 ft															
-------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



Operation

MS

154,800 lbs				 27.60 ft x 29.10 ft				360°								ASME B30.5			
 	42.0	55.4	68.9	82.3	95.8	109.3	122.7	(ft)											
ft	1,000 lbs																	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	9.4	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	-	200	
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	6.2	-	208	
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	5.3	-	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 lbs				 27.60 ft x 29.10 ft				360°								ASME B30.5						
 		42.0	55.4	68.9	82.3	95.8	109.3	122.7	(ft)				136.2	149.6	162.4	175.9	190.0	203.4	216.9	230.3	255.9	
ft		1,000 lbs																			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	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	5.7	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 lbs				 27.60 ft x 29.10 ft				360°								ASME B30.5			
 	42.0	55.4	68.9	82.3	95.8	109.3	122.7	(ft)								230.3	255.9		
ft	1,000 lbs																	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	-	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 lbs		 27.60 ft x 29.10 ft							360°				ASME B30.5			
 	42.0	55.4	68.9	82.3	95.8	109.3	(ft) 122.7	136.2	149.6	162.4	175.9	190.0	203.4			
ft	1,000 lbs														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

Notes to Lifting Capacity

Ratings are in compliance with ASME B30.5.

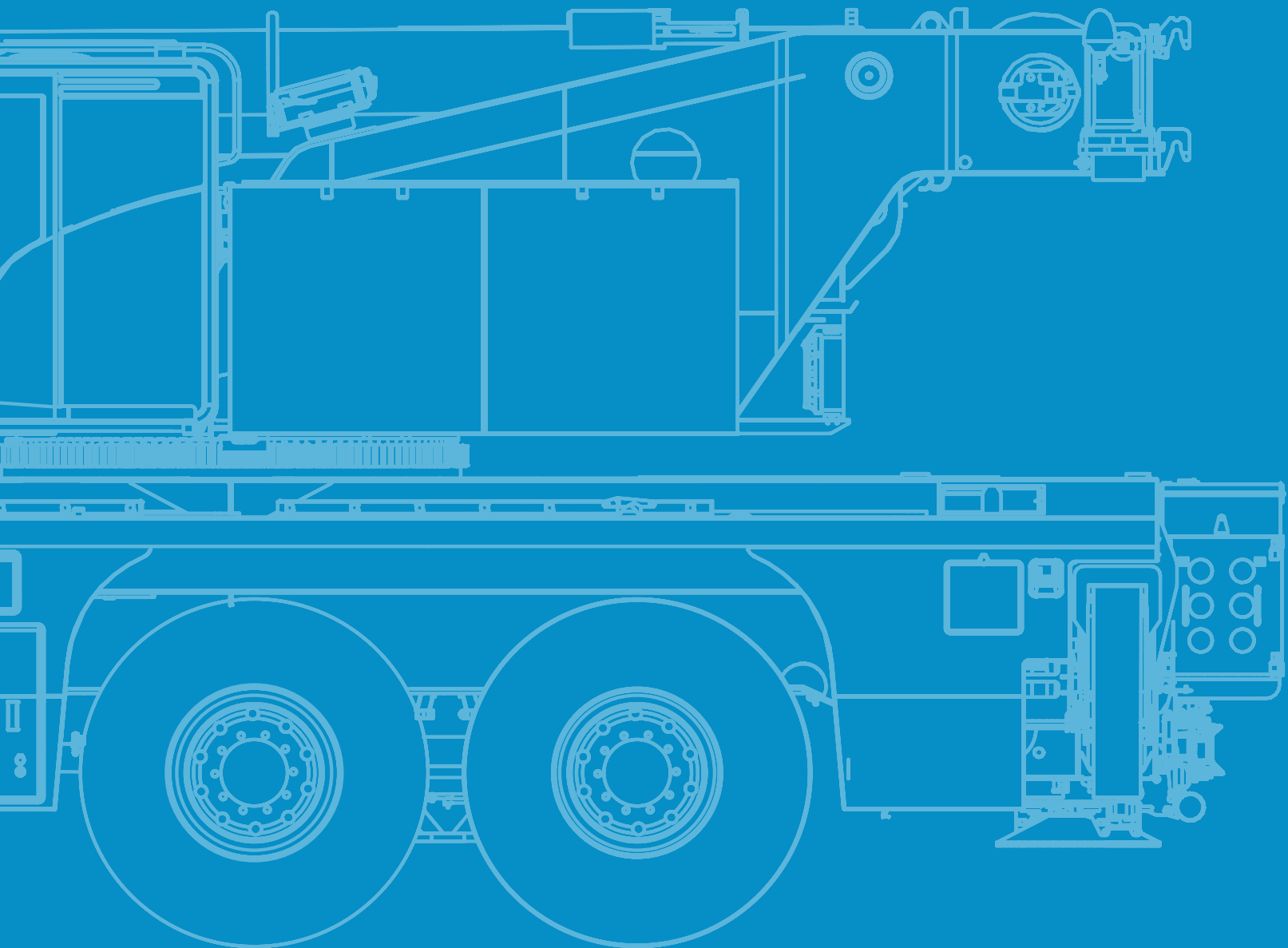
Lifting capacities do not exceed 85 % of tipping load.

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 ft² 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 lbs.
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 lbs	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 lbs.
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 lbs	2 pieces (⑥); for total 154,800 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.
-----------------------	--

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 lbs 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 lbs axle load; Includes HAV 37.4 ft.
HAV-VA 88.6 ft	Variable extension; Single piece, 19.6 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-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 lbs lifting capacity; Incl. transport storage at boom head.

Hook Blocks

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

Notes

Notes

tac.sales@tadano.com
www.tadano.com

Tadano Ltd.

Kanda Square 18th Floor, 2-2-1 Kanda-Nishikicho, Chiyoda-ku, Tokyo 101-0054, Japan
Phone: +81-3-6811-7309 (International Division)

Tadano America Corporation

4242 West Greens Road, Houston, TX 77066
Phone: +1 (281) 869-00300 · Fax: +1 (281) 869-0040



Reaching new heights

