

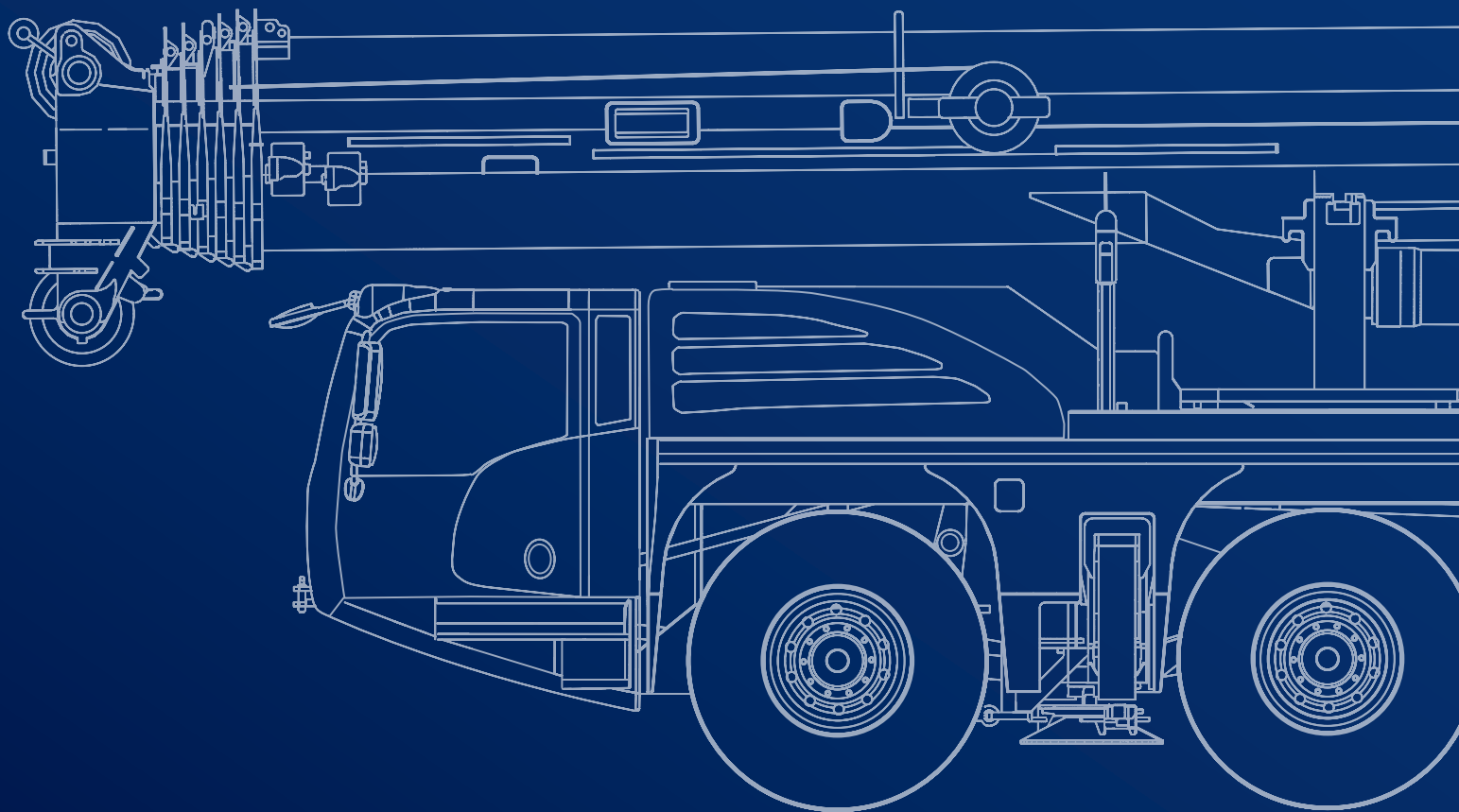


AC 5.160-1

180 US TON MAX. CRANE CAPACITY



- Suitable for alternative fuels





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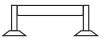
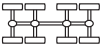
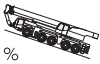


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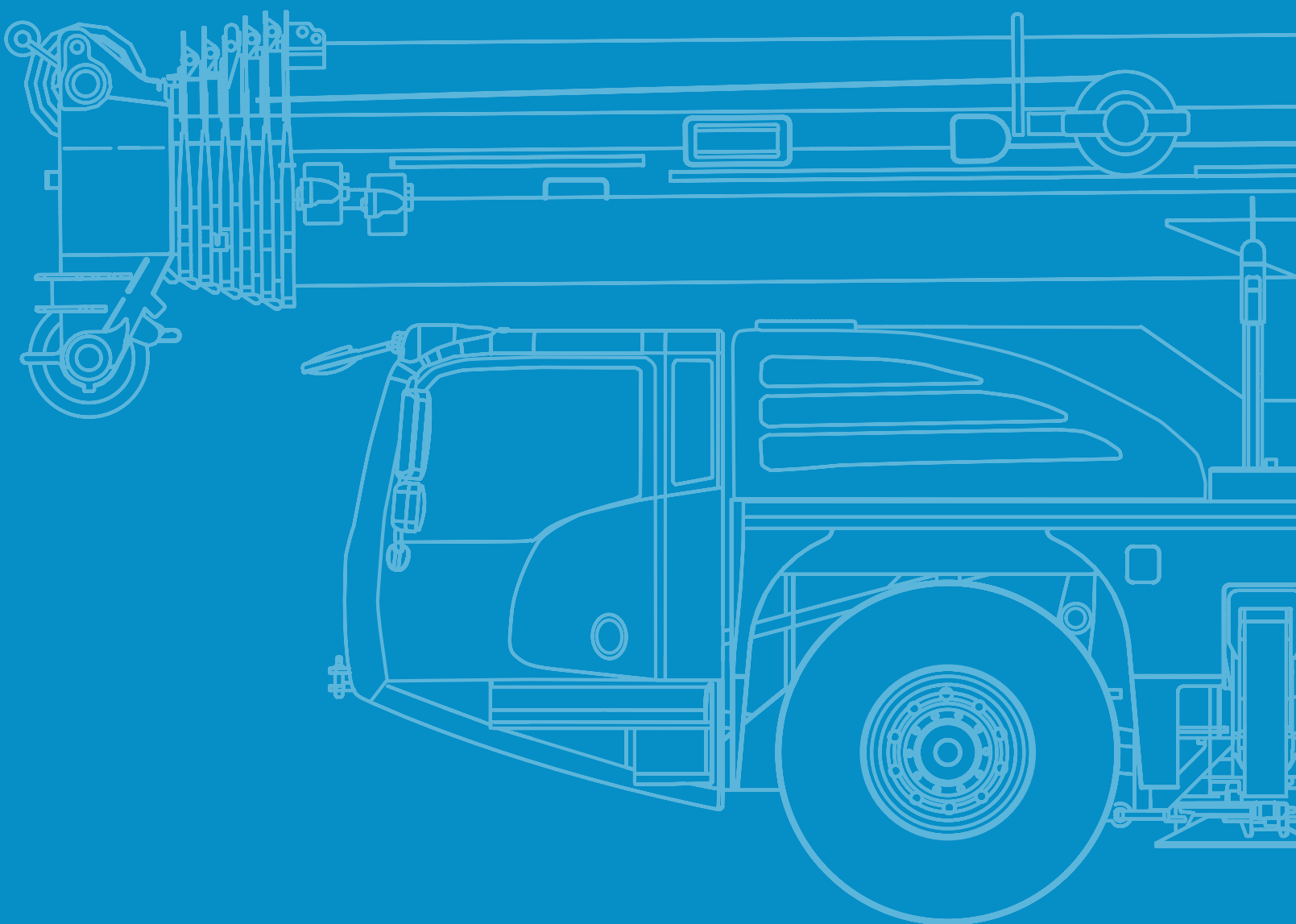
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Key

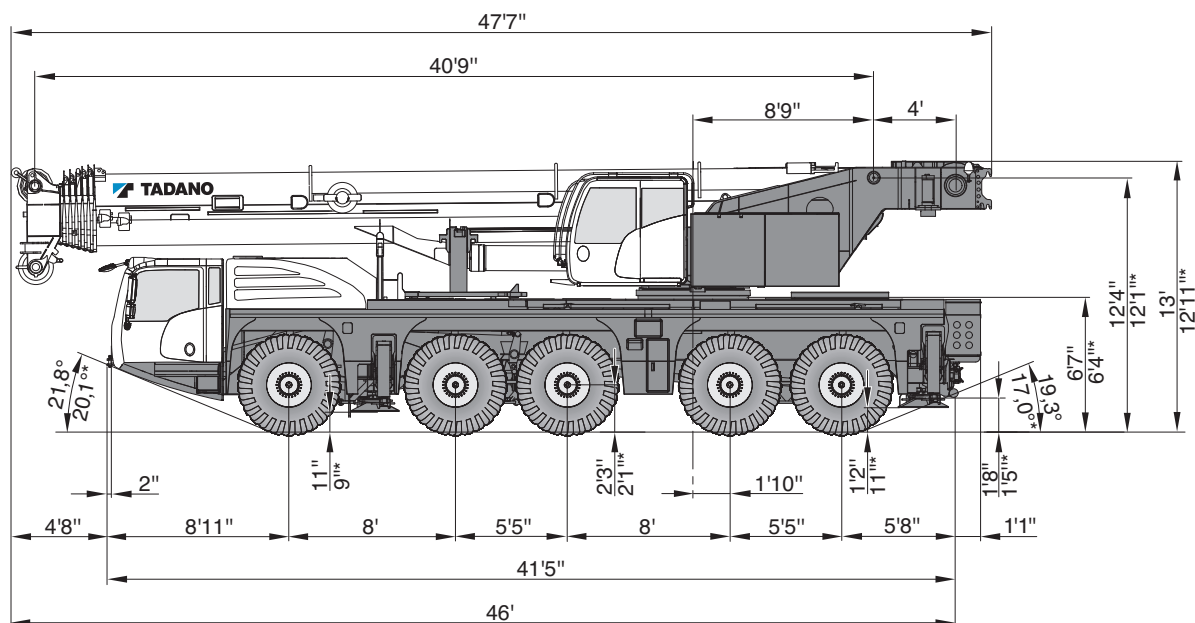
	Counterweight		Dolly
	Lifting capacities on outriggers · 360°		Working speeds
	Radius		Slewing
	Main boom		Max. line pull
	Folding swing-away jib		Rope diameter
	Runner		Rope length
	Max. axle loads		Hook block
	Mechanism		Number of lines
	Tires		Possible load of hook block
	Hook block		Weight of hook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

GENERAL TECHNICAL DATA



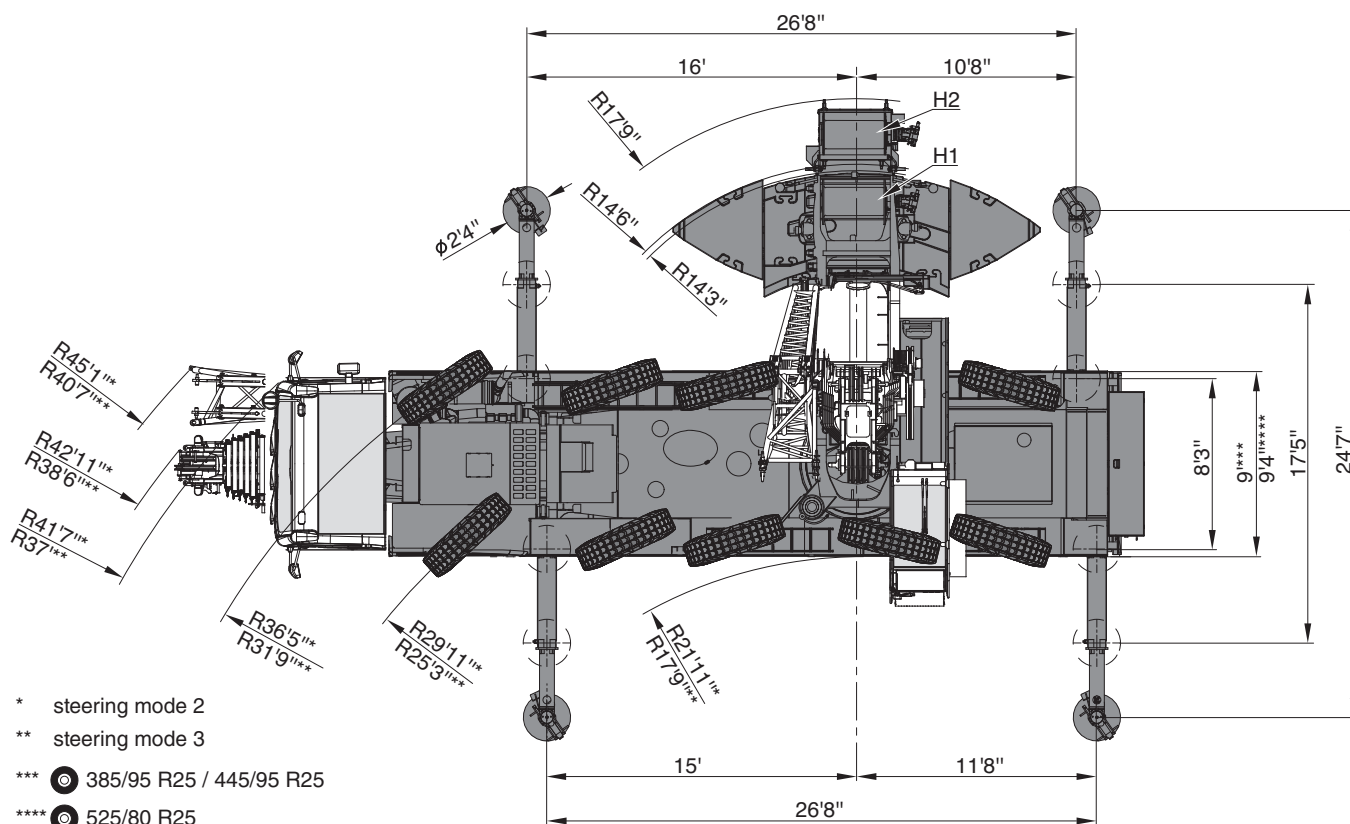
General

Vehicle dimensions



⊙ 445/95 R25 / 525/80 R25

* ⊙ 385/95 R25



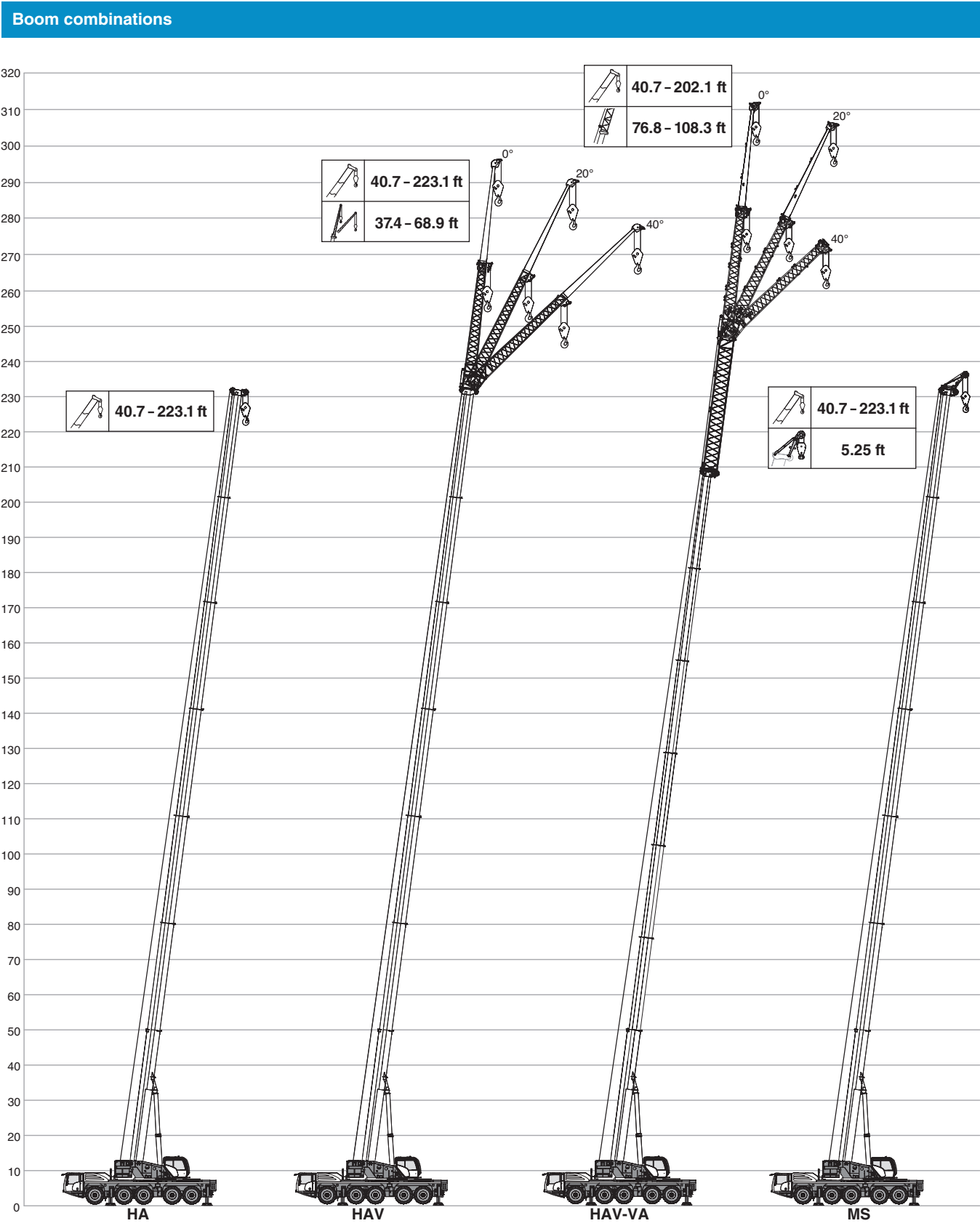
* steering mode 2

** steering mode 3

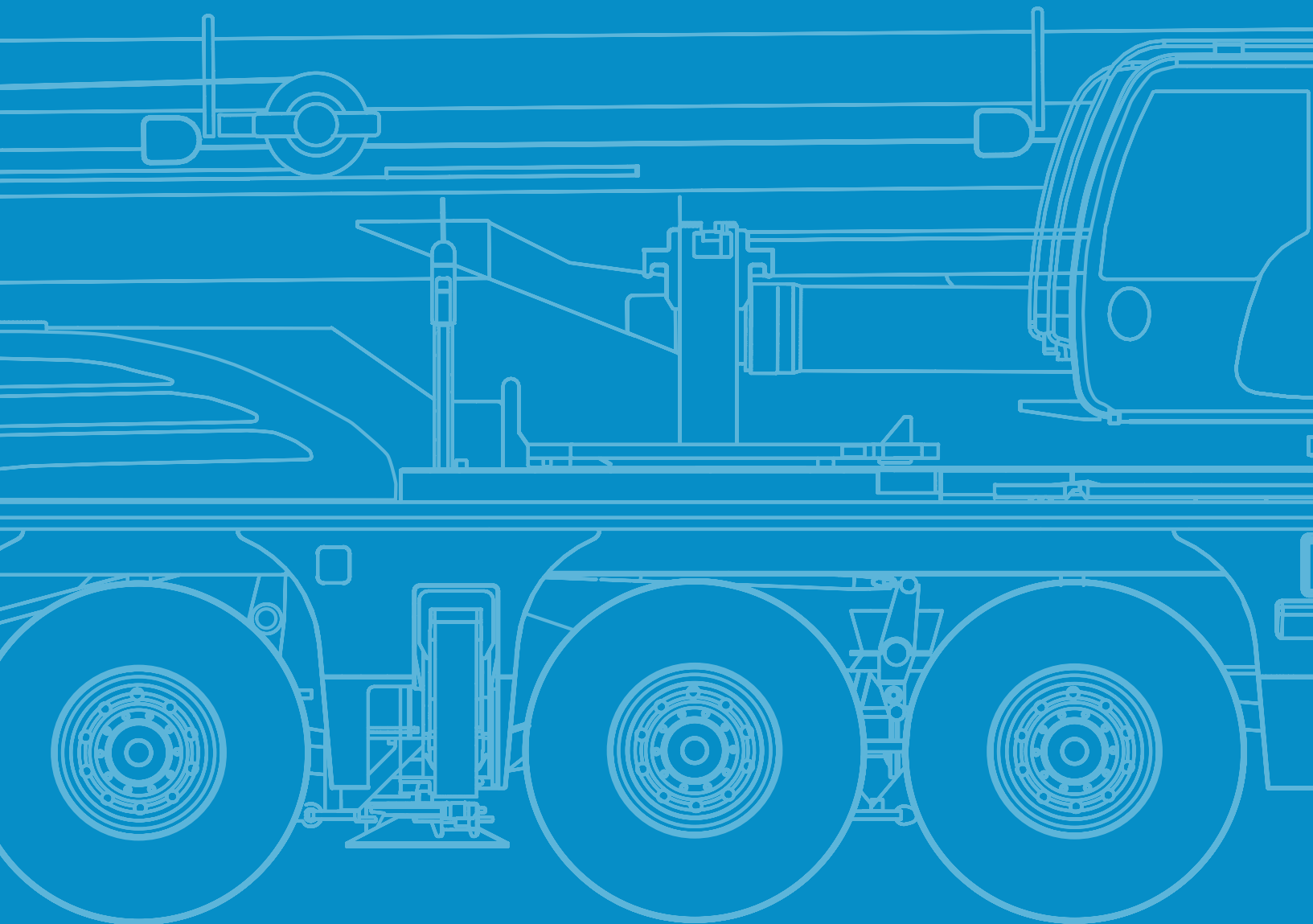
*** ⊙ 385/95 R25 / 445/95 R25

**** ⊙ 525/80 R25

General



TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING



On-road and off-road driving

Axle loads

	Total								
< 20,000 lbs	On request!								X
< 18,100 lbs	< 83,800 lbs	10 x 6 x 10	385/95R25	—	—	8,200 lbs	—	—	—
< 26,500 lbs	< 132,300 lbs	10 x 8 x 10	445/95R25	223.1 ft	176,400 lbs	13,900 lbs	—	1,320 lbs	—
< 26,500 lbs	< 132,300 lbs	10 x 8 x 10	445/95R25	223.1 ft	176,400 lbs	8,200 lbs	68.9 ft	1,430 lbs	—
< 36,400 lbs	< 180,800 lbs	10 x 8 x 10	445/95R25	223.1 ft	176,400 lbs	56,000 lbs	68.9 ft	1,980 lbs	—

Speeds and gradeability

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

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

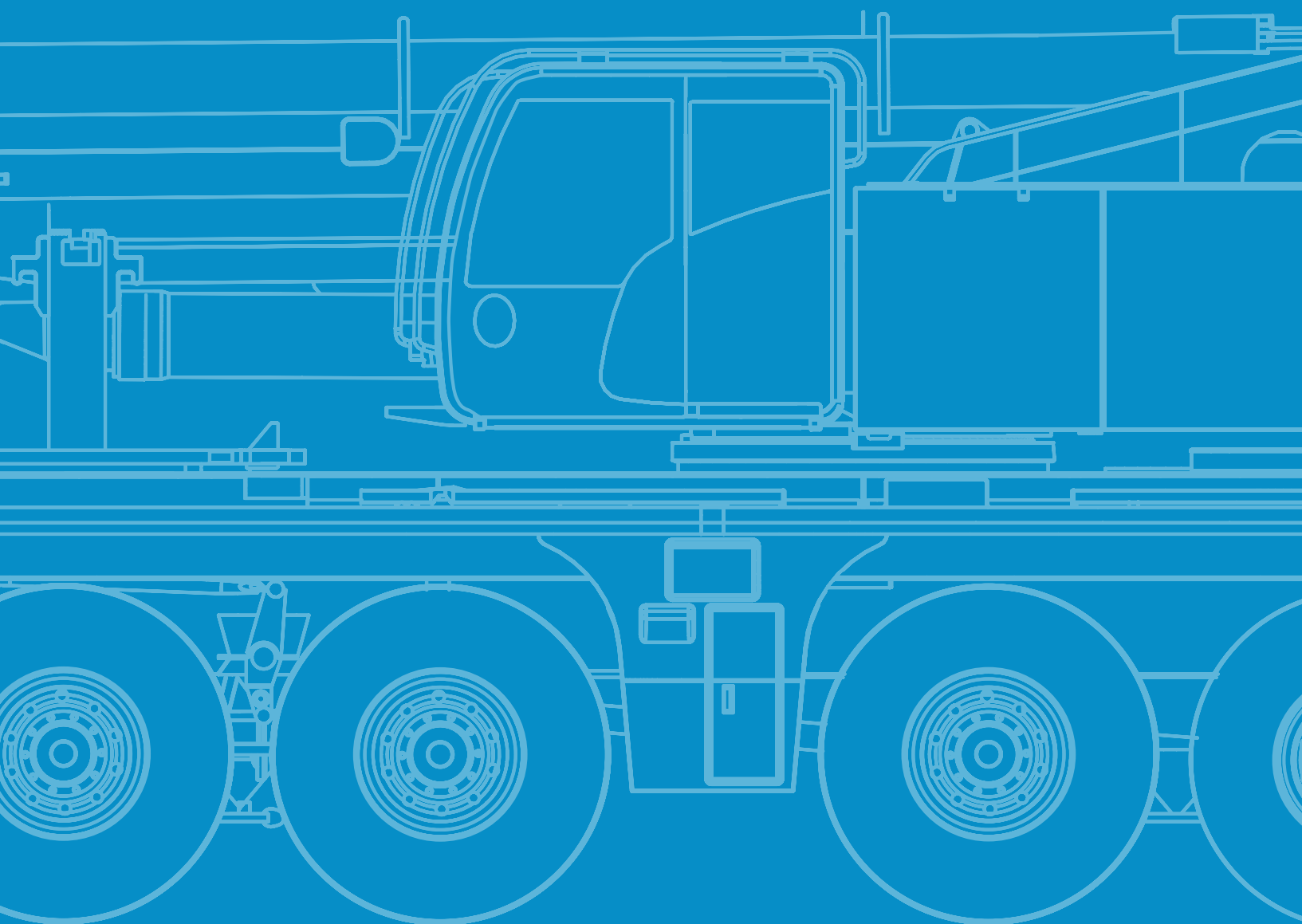
Steering

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

* must be activated

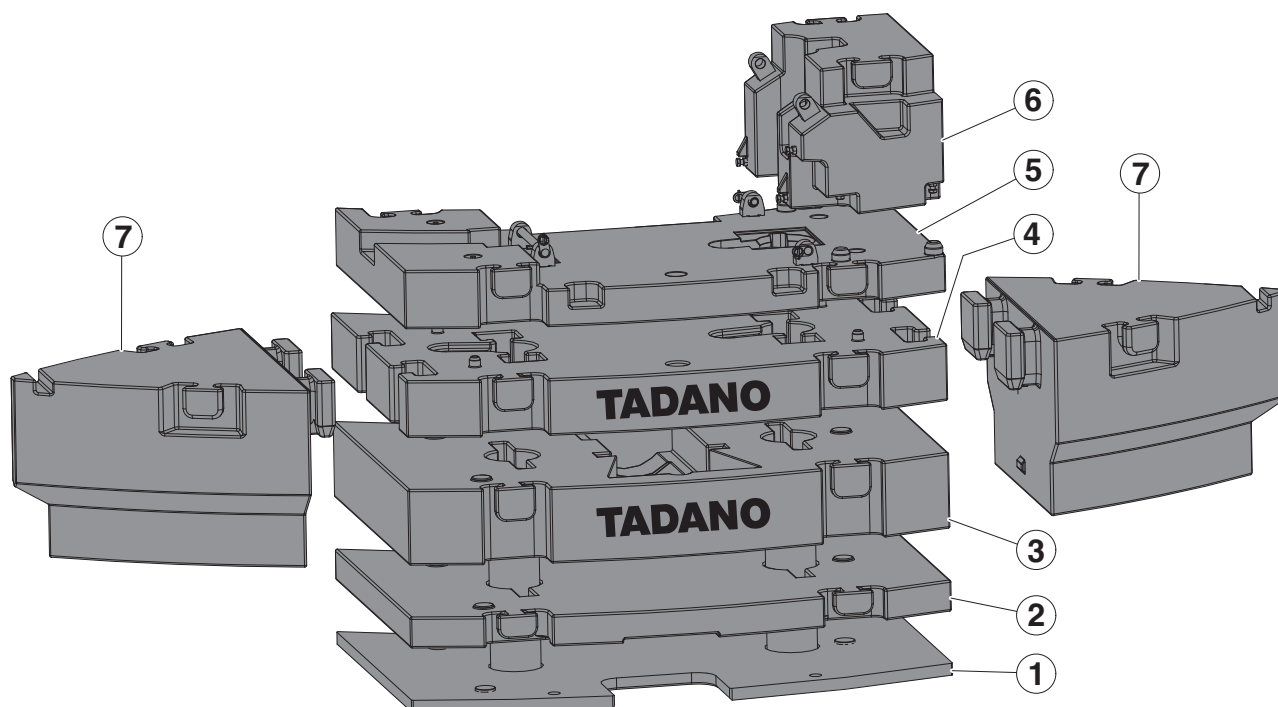


TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight

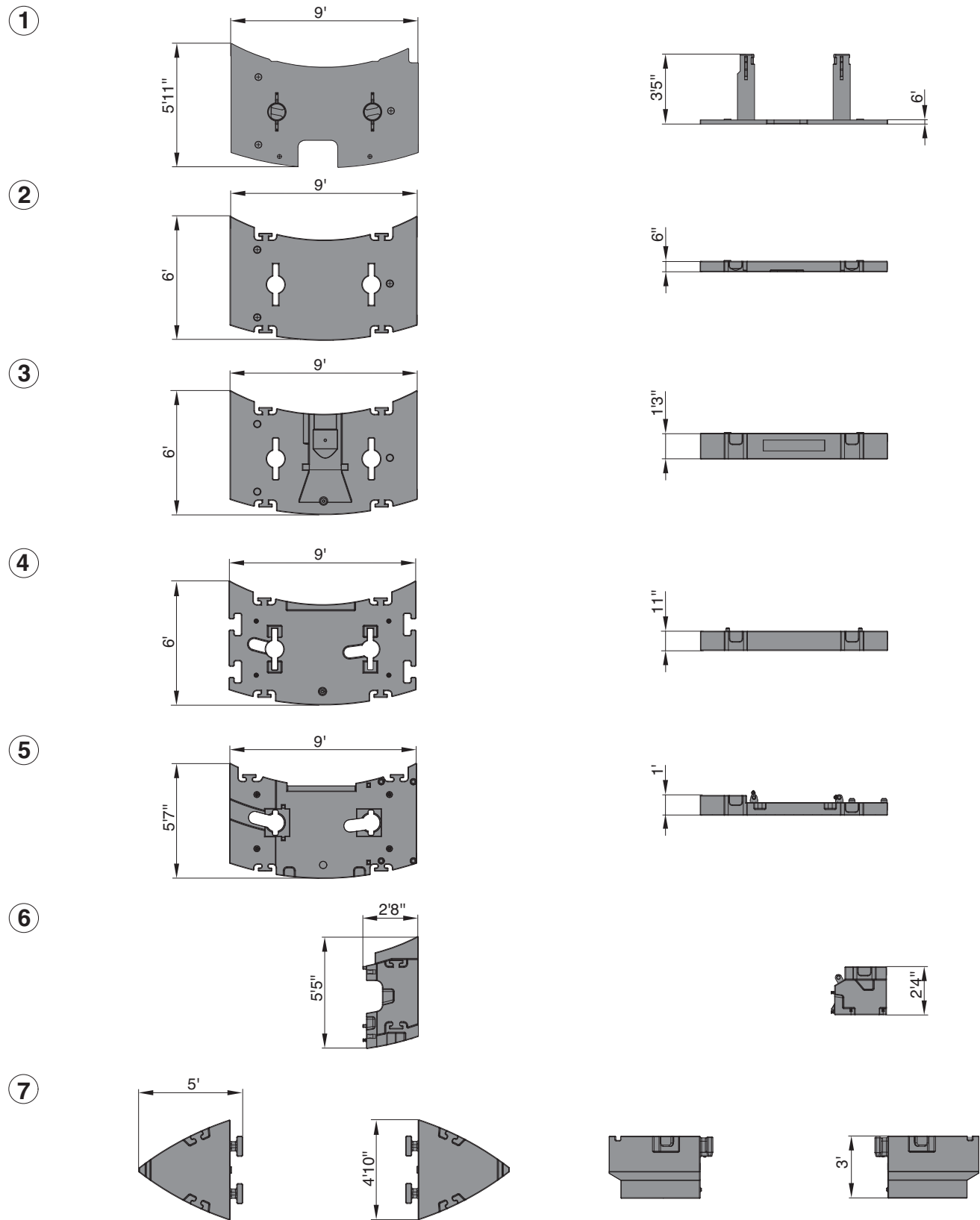


Configurations

lbs	5,700	8,200	13,900	15,200	19,400	23,400	25,100	34,600	36,600	44,800	52,500	56,000	60,600	63,700	71,900	82,000	90,200	93,300	101,400
① 5,700 lbs	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
② 9,500 lbs				1		1		1	1	1	1	1	1	1	1	1	1	1	1
③ 21,400 lbs									1	1	1	1	1	1	1	1	1	1	1
④ 15,900 lbs											1		1	1	1	1	1	1	1
⑤ 11,250 lbs					1		1	1				1		1	1			1	1
⑥ 8,200 lbs		1	1		1	1	1	1		1		1	1		1		1		1
⑦ 14,800 lbs																1	1	1	1
⑦ 14,800 lbs																1	1	1	1

Transportation

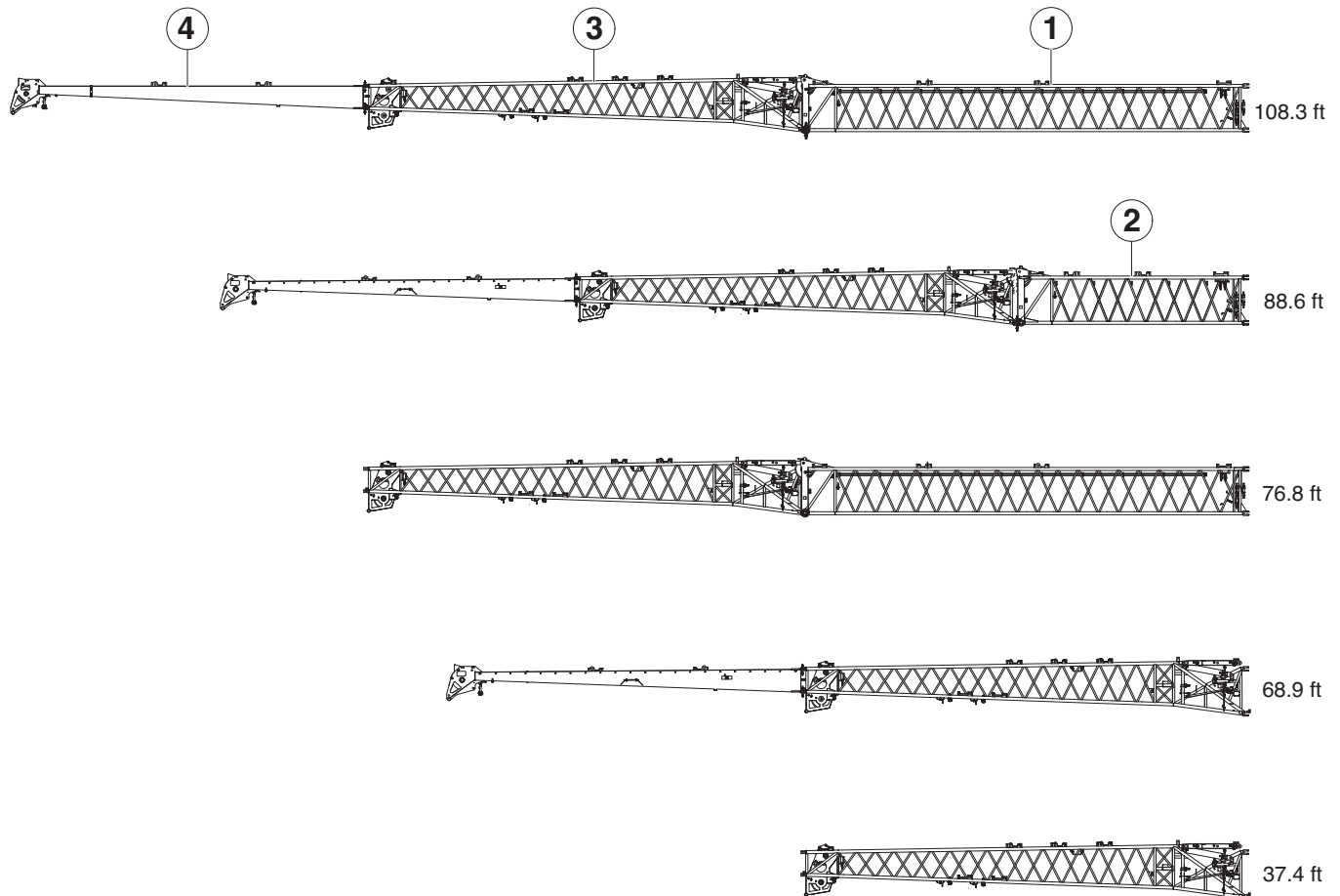
Counterweight



Transportation

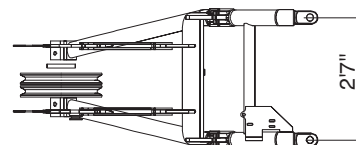
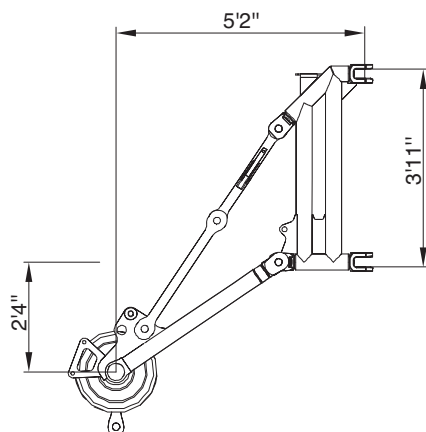
Jib

HAV / HAV-VA



MS

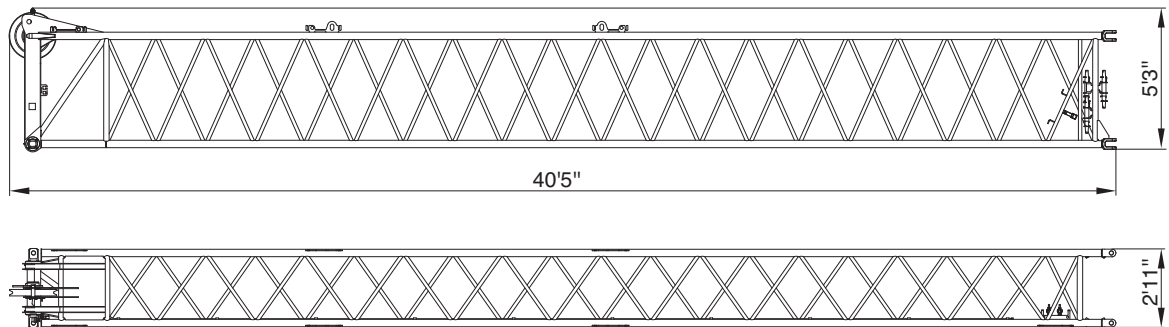
lbs
1,000



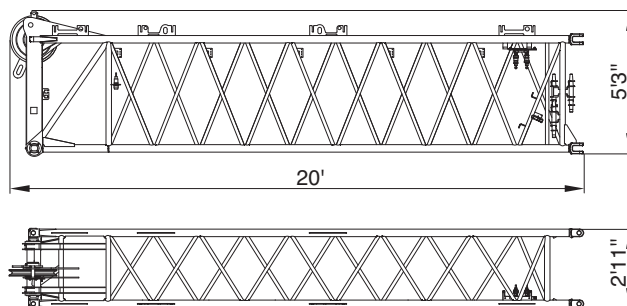
Transportation

Jib

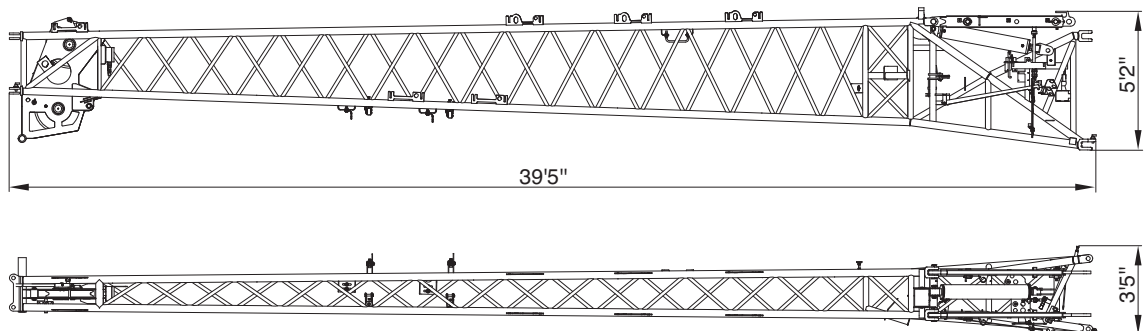
1  2,540



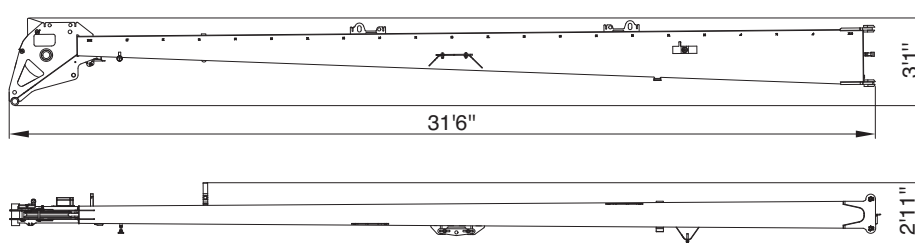
2  1,100



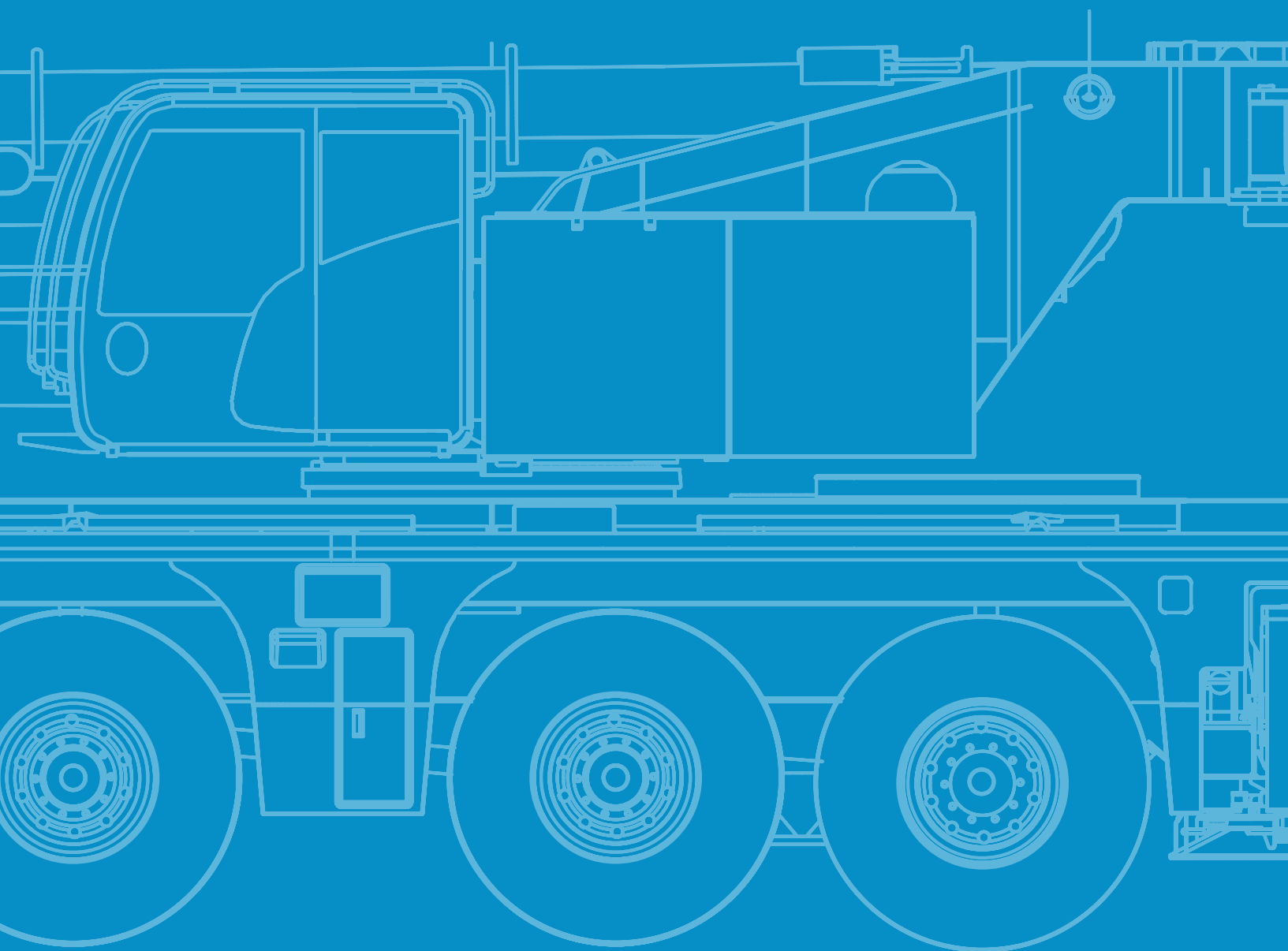
3  3,000 / 3,300 (HY)



4  1,540



TECHNICAL DATA FOR OPERATION



Operation

Main boom



approx. 516 s (40.7 - 223.1 ft)



approx. 33 s (-1,5° – 82°)

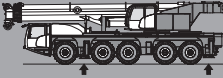
Slewing

1,75 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

		
 Max.	163,200 lbs	183,000 lbs
	19.7 in	23 in

Hook Blocks

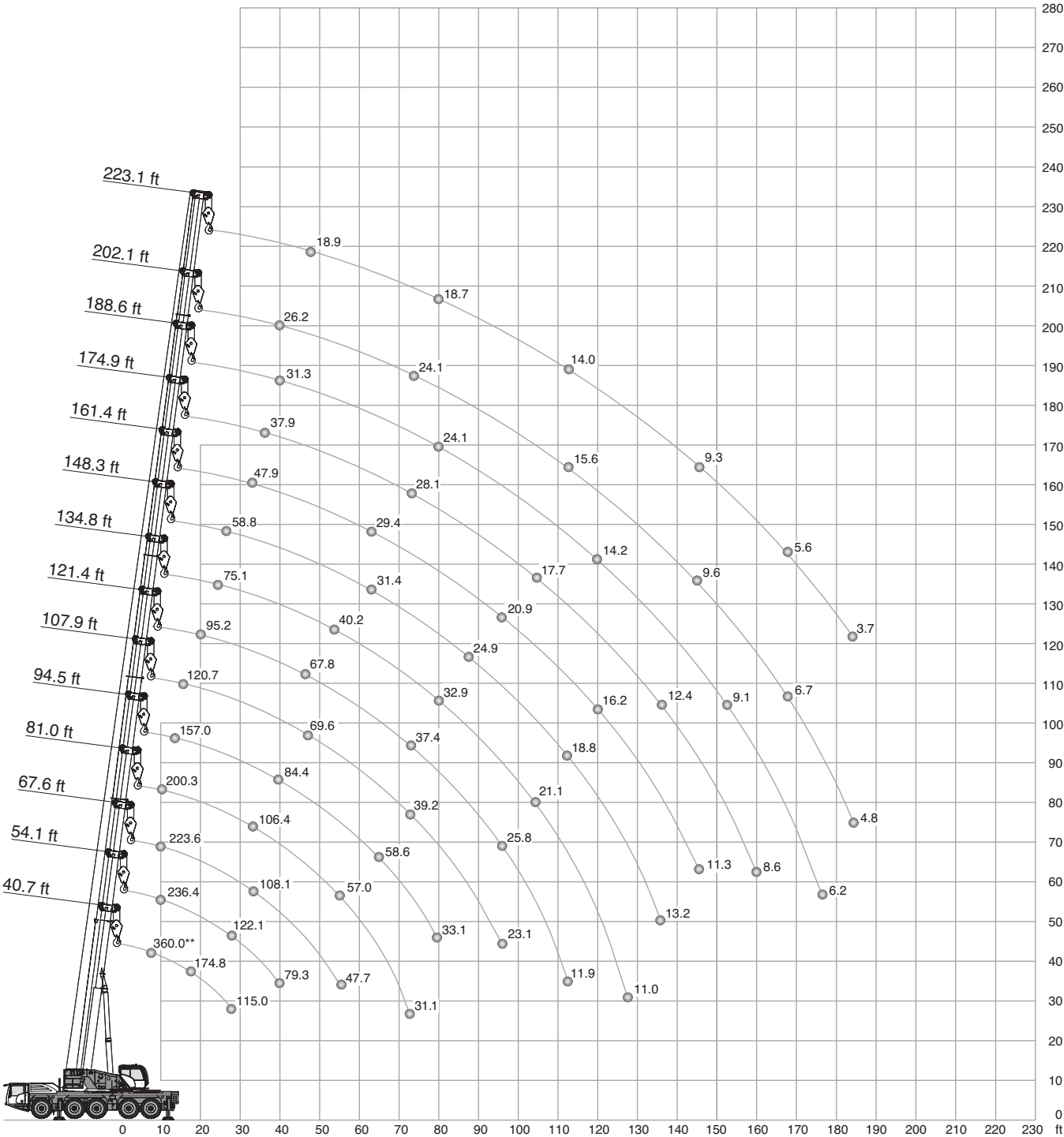


					
26,500 lbs	21,800 lbs	—	1	770 lbs	6.6 ft
70,600 lbs	64,800 lbs	1	3	1,390 lbs	8.9 ft
176,400 lbs	148,400 lbs	3	7	1,870 lbs	9.8 ft
275,600 lbs	209,000 lbs	5	10	2,490 lbs	9.8 ft
352,800 lbs	248,300 lbs	7	12	3,660 lbs	9.8 ft



Operation





** Max. crane capacity – with additional special equipment

Operation

HA

 101,400 lbs		 26.70 ft x 24.60 ft		360°		ASME B30.5									
 40.7*	40.7	54.1	67.6	81.0	94.5	107.9	(ft) 121.4	134.8	148.3	161.4	174.9	188.6	202.1	223.1	
ft	1,000 lbs														ft
8	360.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	8
10	243.0	243.0	236.4	223.6	200.3	-	-	-	-	-	-	-	-	-	10
12	222.1	222.0	215.4	207.8	196.5	157.0	-	-	-	-	-	-	-	-	12
14	204.1	202.7	197.8	192.5	184.0	157.0	-	-	-	-	-	-	-	-	14
16	188.3	185.4	182.8	177.6	172.6	157.0	120.7	-	-	-	-	-	-	-	16
18	174.8	171.3	170.4	165.5	161.2	151.9	120.4	-	-	-	-	-	-	-	18
20	162.0	158.1	158.6	154.2	150.0	145.5	119.9	95.2	-	-	-	-	-	-	20
24	139.1	137.0	138.6	136.2	132.3	130.8	113.6	94.8	75.1	-	-	-	-	-	24
28	115.0	115.0	122.1	121.7	118.0	116.8	106.2	92.3	72.4	58.8	-	-	-	-	28
32	-	-	108.1	108.1	106.4	105.5	98.0	88.9	68.5	57.5	47.9	-	-	-	32
36	-	-	95.8	95.7	95.0	95.0	92.0	83.8	64.4	55.3	46.7	37.9	-	-	36
40	-	-	79.3	84.2	85.7	84.8	85.5	78.4	60.2	52.7	45.4	37.7	31.3	26.2	40
48	-	-	-	69.3	69.1	68.5	69.6	67.8	52.1	46.8	41.7	36.9	31.0	25.8	48
56	-	-	-	47.7	57.0	58.6	57.6	56.0	44.8	41.1	37.5	34.4	30.2	25.8	56
64	-	-	-	-	47.4	48.7	47.4	45.7	40.2	35.9	33.2	31.3	28.5	25.3	64
72	-	-	-	-	31.1	40.5	39.2	37.4	36.7	31.4	29.4	28.1	26.5	24.1	72
80	-	-	-	-	-	33.1	33.2	31.6	32.9	27.7	26.0	24.9	24.1	22.5	80
88	-	-	-	-	-	-	28.5	28.9	28.2	24.9	23.1	22.1	21.7	20.8	88
96	-	-	-	-	-	-	23.1	25.8	24.3	23.1	20.9	19.8	19.4	19.0	96
104	-	-	-	-	-	-	-	22.6	21.1	21.4	19.0	17.7	17.4	17.2	104
112	-	-	-	-	-	-	-	11.9	18.5	18.8	17.4	16.0	15.6	15.6	112
120	-	-	-	-	-	-	-	-	17.0	16.5	16.2	14.7	14.2	14.2	120
128	-	-	-	-	-	-	-	-	11.0	14.4	14.6	13.7	13.0	12.8	128
136	-	-	-	-	-	-	-	-	-	13.2	12.9	12.4	11.9	11.2	136
144	-	-	-	-	-	-	-	-	-	-	11.3	11.1	10.4	9.6	144
152	-	-	-	-	-	-	-	-	-	-	-	9.6	9.1	8.7	152
160	-	-	-	-	-	-	-	-	-	-	-	8.6	7.8	7.8	160
168	-	-	-	-	-	-	-	-	-	-	-	-	6.7	6.7	168
176	-	-	-	-	-	-	-	-	-	-	-	-	6.2	5.7	176
184	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	184
1)	45.0	45.0	32.8	25.6	20.3	16.5	13.2	10.6	7.9	6.0	4.9	2.9	-	-	1)

1) Capacities with horizontal boom

* over rear

** Max. crane capacity – with additional special equipment



Operation

HA

 71,900 lbs		 26.70 ft x 24.60 ft								360° / Max.*				ASME B30.5			
 360° 40.7ft	Max. 40.7ft	360° 54.1ft	Max. 54.1ft	360° 67.6ft	Max. 67.6ft	360° 81.0ft	Max. 81.0ft	360° 94.5ft	Max. 94.5ft	360° 107.9ft	Max. 107.9ft	360° 121.4ft	Max. 121.4ft				
1,000 lbs																	
ft														ft			
10	242.9	243.0	236.4	236.4	223.6	223.6	200.3	200.3	-	-	-	-	-	10			
12	220.6	222.0	215.4	215.4	207.8	207.8	196.5	196.5	157.0	157.0	-	-	-	12			
14	200.9	202.7	197.8	197.8	192.5	192.5	184.0	184.0	157.0	157.0	-	-	-	14			
16	183.6	185.4	182.8	182.8	177.6	177.7	172.6	172.6	157.0	157.0	120.7	120.7	-	16			
18	169.5	171.3	169.9	170.4	165.5	165.5	161.2	161.2	151.9	151.9	120.4	120.4	-	18			
20	156.4	158.1	157.7	158.6	154.2	154.2	150.0	150.0	145.5	145.5	119.9	119.9	95.2	20			
24	134.9	136.3	136.4	137.9	135.4	135.8	132.3	132.3	130.8	130.8	113.6	113.6	94.8	24			
28	113.3	114.1	116.8	117.5	117.0	117.4	116.3	116.3	116.1	116.1	106.2	106.2	92.3	28			
32	-	-	101.1	101.1	100.4	100.4	101.9	101.9	100.9	100.9	98.0	98.0	88.9	32			
36	-	-	88.8	88.9	87.6	87.8	89.3	89.3	88.1	88.3	88.7	88.7	82.1	36			
40	-	-	69.6	72.3	78.1	78.5	77.6	78.1	78.8	79.2	78.5	78.7	74.1	40			
48	-	-	-	-	57.9	63.2	59.8	62.8	59.6	64.3	58.3	63.4	56.2	48			
56	-	-	-	-	37.5	45.1	47.1	53.4	46.4	53.4	45.2	52.3	43.3	56			
64	-	-	-	-	-	-	38.0	44.8	37.3	44.2	36.2	43.1	36.9	64			
72	-	-	-	-	-	-	28.7	30.1	30.8	36.8	31.6	35.7	31.0	72			
80	-	-	-	-	-	-	-	-	26.4	30.4	27.1	30.1	26.0	80			
88	-	-	-	-	-	-	-	-	-	-	23.3	26.8	22.1	88			
96	-	-	-	-	-	-	-	-	-	-	20.1	23.1	19.2	96			
104	-	-	-	-	-	-	-	-	-	-	-	-	17.8	104			
112	-	-	-	-	-	-	-	-	-	-	-	-	11.9	112			
1)	45.0	45.0	32.8	32.8	25.6	25.6	20.3	20.3	16.5	16.5	13.2	13.2	10.6	1)			

 360° 134.8ft	Max. 134.8ft	360° 148.3ft	Max. 148.3ft	360° 161.4ft	Max. 161.4ft	360° 174.9ft	Max. 174.9ft	360° 188.6ft	Max. 188.6ft	360° 202.1ft	Max. 202.1ft	360° 223.1ft	Max. 223.1ft	
1,000 lbs														ft
24	75.1	75.1	-	-	-	-	-	-	-	-	-	-	-	24
28	72.4	72.4	58.8	58.8	-	-	-	-	-	-	-	-	-	28
32	68.5	68.6	57.5	57.5	47.9	47.9	-	-	-	-	-	-	-	32
36	64.4	64.4	55.3	55.3	46.7	46.7	37.9	37.9	-	-	-	-	-	36
40	60.2	60.2	52.7	52.7	45.4	45.4	37.7	37.7	31.3	31.3	26.2	26.2	-	40
48	51.7	52.1	46.8	46.8	41.7	41.7	36.9	36.9	31.0	31.0	25.8	25.8	18.9	48
56	43.6	44.8	40.4	41.1	37.5	37.5	34.4	34.4	30.2	30.2	25.8	25.8	18.7	56
64	36.0	40.2	33.6	35.9	32.4	33.2	31.3	31.3	28.5	28.5	25.3	25.3	18.7	64
72	29.2	35.4	29.4	31.4	27.9	29.4	27.0	28.1	26.5	26.5	24.1	24.1	18.7	72
80	25.0	29.9	25.1	27.5	23.5	26.0	23.6	24.9	22.9	24.1	22.4	22.5	18.7	80
88	22.5	25.6	21.1	24.9	21.3	23.0	20.7	22.1	20.3	21.7	19.7	20.8	17.9	88
96	19.6	22.1	18.8	22.5	18.2	20.6	18.0	19.7	17.3	19.4	16.6	19.0	15.9	96
104	16.9	19.6	16.8	19.7	15.9	18.5	15.7	17.6	14.4	17.4	14.6	17.2	13.3	104
112	14.7	18.4	14.4	17.1	14.2	17.3	13.3	16.0	12.7	15.6	12.2	15.5	11.1	112
120	13.5	16.5	12.6	15.0	12.2	15.2	11.9	14.7	11.5	14.2	10.2	13.7	9.1	120
128	11.0	11.0	11.3	14.0	10.6	13.3	10.6	13.1	9.7	12.6	8.6	11.8	7.5	128
136	-	-	10.0	13.0	9.1	11.8	9.1	11.4	8.2	10.9	7.1	10.4	6.0	136
144	-	-	-	-	8.4	10.8	7.8	10.0	6.9	9.5	5.8	9.5	4.7	144
152	-	-	-	-	-	-	6.7	9.2	5.8	8.2	4.7	8.2	3.6	152
160	-	-	-	-	-	-	5.7	8.3	4.8	7.2	3.6	7.2	-	160
168	-	-	-	-	-	-	-	-	4.0	6.6	-	6.1	-	168
176	-	-	-	-	-	-	-	-	3.2	6.2	-	5.2	-	176
184	-	-	-	-	-	-	-	-	-	-	-	4.4	-	184
1)	7.9	7.9	6.0	6.0	4.9	4.9	2.9	2.9	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

 56,000 lbs		 26.70 ft x 24.60 ft								360° / Max.*				ASME B30.5			
 360° 40.7 ft	Max. 40.7 ft	360° 54.1 ft	Max. 54.1 ft	360° 67.6 ft	Max. 67.6 ft	360° 81.0 ft	Max. 81.0 ft	360° 94.5 ft	Max. 94.5 ft	360° 107.9 ft	Max. 107.9 ft	360° 121.4 ft	Max. 121.4 ft				
1,000 lbs																	
ft														ft			
10	242.8	243.0	236.4	236.4	223.6	223.6	200.3	200.3	-	-	-	-	-	10			
12	219.5	222.0	215.4	215.4	207.8	207.8	196.5	196.5	157.0	157.0	-	-	-	12			
14	199.8	202.7	197.8	197.8	192.5	192.5	184.0	184.0	157.0	157.0	-	-	-	14			
16	182.7	185.4	182.8	182.8	177.6	177.7	172.6	172.6	157.0	157.0	120.7	120.7	-	16			
18	168.7	171.3	169.5	170.4	165.5	165.5	161.2	161.2	151.9	151.9	120.4	120.4	-	18			
20	155.4	157.8	156.5	158.4	154.0	154.2	150.0	150.0	145.5	145.5	119.9	119.9	95.2	20			
24	130.3	132.3	132.2	134.0	132.5	133.9	130.8	130.9	130.3	130.3	113.6	113.6	94.8	24			
28	110.1	110.4	111.7	111.9	111.8	111.9	113.4	113.4	112.0	112.4	102.9	106.2	92.3	28			
32	-	-	96.6	96.6	96.3	96.3	97.0	97.0	93.9	95.9	91.8	96.0	84.4	32			
36	-	-	80.9	84.7	81.8	85.2	81.4	85.0	81.8	85.0	79.4	85.7	73.5	36			
40	-	-	58.5	68.9	67.0	74.6	69.9	74.4	69.0	75.9	67.7	75.0	63.1	40			
48	-	-	-	-	51.5	60.1	51.7	60.9	51.1	61.2	49.7	60.2	47.8	48			
56	-	-	-	-	30.5	43.7	40.2	51.1	39.5	50.7	38.7	49.7	39.6	56			
64	-	-	-	-	-	-	32.3	43.3	31.6	42.7	32.9	41.8	31.8	64			
72	-	-	-	-	-	-	26.6	29.7	27.6	36.7	27.0	35.6	25.9	72			
80	-	-	-	-	-	-	-	23.5	30.4	22.8	30.1	22.9	31.1	80			
88	-	-	-	-	-	-	-	-	-	19.3	26.8	19.9	27.1	88			
96	-	-	-	-	-	-	-	-	-	17.4	23.1	16.9	23.5	96			
104	-	-	-	-	-	-	-	-	-	-	-	14.6	20.6	104			
112	-	-	-	-	-	-	-	-	-	-	-	11.9	11.9	112			
1)	45.0	45.0	32.8	32.8	25.6	25.6	20.3	20.3	16.5	16.5	13.2	13.2	10.6	1)			

 360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
1,000 lbs														ft
24	75.1	75.1	-	-	-	-	-	-	-	-	-	-	-	24
28	72.4	72.4	58.8	58.8	-	-	-	-	-	-	-	-	-	28
32	68.5	68.6	57.5	57.5	47.9	47.9	-	-	-	-	-	-	-	32
36	64.4	64.4	55.3	55.3	46.7	46.7	37.9	37.9	-	-	-	-	-	36
40	59.7	60.2	52.5	52.7	45.4	45.4	37.7	37.7	31.3	31.3	26.2	26.2	-	40
48	48.0	52.1	44.3	46.8	41.0	41.7	36.9	36.9	31.0	31.0	25.8	25.8	18.9	48
56	38.0	44.8	35.8	41.1	35.2	37.5	33.1	34.4	30.2	30.2	25.8	25.8	18.7	56
64	30.3	40.2	30.6	35.9	28.8	33.2	28.6	31.3	26.9	28.5	25.3	25.3	18.7	64
72	26.5	35.0	25.2	31.4	25.2	29.4	25.0	28.1	24.3	26.5	22.8	24.1	18.7	72
80	22.2	29.9	22.2	27.3	21.0	25.9	21.3	24.9	20.1	24.1	19.7	22.5	17.7	80
88	18.9	25.6	18.8	24.9	18.5	23.0	17.8	22.1	17.5	21.7	16.2	20.8	14.4	88
96	16.7	22.1	16.1	22.5	15.6	20.6	15.4	19.4	14.8	19.4	13.5	19.0	11.8	96
104	14.4	19.6	13.9	19.7	13.1	18.5	13.3	17.6	12.2	17.0	11.1	17.2	9.5	104
112	12.7	18.4	11.8	17.1	11.8	17.3	11.1	16.0	10.3	15.6	8.9	15.1	7.6	112
120	10.9	16.5	10.0	15.0	10.3	15.2	9.4	14.7	8.4	14.2	7.3	13.4	6.1	120
128	9.4	11.0	8.7	14.0	8.8	13.3	7.9	13.1	6.9	12.6	5.8	11.7	4.7	128
136	-	-	7.4	13.0	7.5	11.6	6.6	11.4	5.6	10.9	4.5	10.4	3.4	136
144	-	-	-	-	6.4	10.8	5.4	10.0	4.5	9.5	3.4	9.5	-	144
152	-	-	-	-	-	-	4.5	9.2	3.4	8.2	-	8.2	-	152
160	-	-	-	-	-	-	3.6	8.3	-	7.2	-	6.7	-	160
168	-	-	-	-	-	-	-	-	-	6.5	-	5.7	-	168
176	-	-	-	-	-	-	-	-	-	5.8	-	4.8	-	176
184	-	-	-	-	-	-	-	-	-	-	-	3.9	-	184
1)	7.9	7.9	6.0	6.0	4.9	4.9	2.9	2.9	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HA

 13,900 lbs		 26.70 ft x 24.60 ft		360° / Max.*								ASME B30.5			
 360° 40.7ft	Max. 40.7ft	360° 54.1ft	Max. 54.1ft	360° 67.6ft	Max. 67.6ft	360° 81.0ft	Max. 81.0ft	360° 94.5ft	Max. 94.5ft	360° 107.9ft	Max. 107.9ft	360° 121.4ft	Max. 121.4ft		
ft	1,000 lbs													ft	
10	240.5	243.0	236.4	236.4	223.6	223.6	200.3	200.3	-	-	-	-	-	-	10
12	216.3	222.0	215.4	215.4	207.8	207.8	196.5	196.5	157.0	157.0	-	-	-	-	12
14	197.0	202.7	197.6	197.8	192.5	192.5	184.0	184.0	157.0	157.0	-	-	-	-	14
16	176.6	182.9	178.2	182.8	177.1	177.7	164.8	172.6	150.5	157.0	120.7	120.7	-	-	16
18	157.8	162.1	159.3	163.5	153.0	160.9	143.3	158.1	130.5	151.9	113.8	120.4	-	-	18
20	139.3	142.1	140.4	143.8	132.0	143.8	120.7	144.4	115.2	144.3	104.9	119.9	93.5	95.2	20
24	99.0	114.6	102.7	117.6	97.9	116.9	95.1	118.0	88.3	116.2	81.0	110.4	74.8	94.8	24
28	69.4	95.3	74.9	98.0	78.0	98.6	75.3	97.8	70.5	98.5	64.8	96.1	63.1	85.3	28
32	-	-	57.9	83.4	60.3	84.0	60.4	84.4	57.5	83.8	56.5	77.8	52.8	68.7	32
36	-	-	46.7	71.8	48.9	72.3	49.4	73.9	48.4	71.1	48.6	64.9	44.8	58.5	36
40	-	-	28.4	54.9	40.7	64.2	41.0	64.0	41.8	59.9	40.9	54.5	40.0	52.6	40
48	-	-	-	-	29.6	49.5	30.5	49.1	30.2	45.9	30.9	43.3	30.3	41.4	48
56	-	-	-	-	22.3	30.1	23.1	36.5	23.5	35.4	24.0	36.4	23.5	33.0	56
64	-	-	-	-	-	-	17.9	27.8	18.6	29.2	18.6	28.7	18.6	27.9	64
72	-	-	-	-	-	-	14.2	23.7	14.8	23.3	14.8	23.2	14.6	23.3	72
80	-	-	-	-	-	-	-	-	11.7	19.4	11.7	19.8	11.5	19.3	80
88	-	-	-	-	-	-	-	-	-	-	9.4	17.1	9.2	16.7	88
96	-	-	-	-	-	-	-	-	-	-	7.5	14.5	7.3	14.2	96
104	-	-	-	-	-	-	-	-	-	-	-	-	5.7	12.1	104
112	-	-	-	-	-	-	-	-	-	-	-	-	4.3	10.5	112
1)	45.0	45.0	29.3	32.8	19.8	25.6	13.7	20.3	9.9	16.5	6.6	13.2	4.2	10.1	1)

 360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
ft	1,000 lbs													ft
24	68.3	75.1	-	-	-	-	-	-	-	-	-	-	-	24
28	57.5	72.4	52.0	58.8	-	-	-	-	-	-	-	-	-	28
32	48.9	62.7	46.4	56.4	41.7	47.9	-	-	-	-	-	-	-	32
36	43.2	54.9	40.4	49.0	37.6	43.9	33.9	37.9	-	-	-	-	-	36
40	37.9	48.0	37.0	45.2	34.4	41.1	32.2	37.1	28.9	31.2	25.7	26.2	-	40
48	29.6	38.1	28.2	36.2	27.7	34.6	25.7	32.2	23.3	28.8	20.8	25.5	17.8	48
56	23.2	32.4	21.9	30.5	21.8	29.0	19.9	27.5	17.8	24.9	15.5	22.7	13.2	56
64	18.1	26.7	17.0	25.7	17.2	24.3	15.4	23.4	13.4	21.4	11.2	19.1	8.9	64
72	14.2	22.8	13.1	21.9	13.3	20.2	11.8	19.7	10.0	17.7	7.8	15.5	5.8	72
80	11.1	19.1	10.0	18.5	10.4	17.8	9.1	16.6	7.4	14.6	5.4	12.6	3.5	80
88	8.8	16.3	7.7	15.6	8.1	15.6	6.9	14.0	5.3	12.2	3.4	10.2	-	88
96	6.7	14.0	5.9	13.1	6.1	13.2	5.1	11.7	3.6	9.9	-	7.9	-	96
104	5.2	11.7	4.4	10.8	4.6	11.1	3.7	9.7	-	7.9	-	6.0	-	104
112	3.9	9.8	-	9.0	3.2	9.4	-	8.1	-	6.3	-	4.6	-	112
120	-	8.3	-	7.6	-	7.8	-	6.6	-	5.0	-	3.3	-	120
128	-	7.0	-	6.2	-	6.4	-	5.5	-	4.0	-	-	-	128
136	-	-	-	5.1	-	5.3	-	4.4	-	2.9	-	-	-	136
144	-	-	-	-	-	4.2	-	3.4	-	-	-	-	-	144
1)	-	7.7	-	4.9	-	3.3	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HA

 8,200 lbs		 26.70 ft x 24.60 ft		360° / Max.*		ASME B30.5									
 360° 40.7 ft	Max. 40.7 ft	360° 54.1 ft	Max. 54.1 ft	360° 67.6 ft	Max. 67.6 ft	360° 81.0 ft	Max. 81.0 ft	360° 94.5 ft	Max. 94.5 ft	360° 107.9 ft	Max. 107.9 ft	360° 121.4 ft	Max. 121.4 ft		
ft	1,000 lbs													ft	
10	239.5	243.0	236.4	236.4	223.6	223.6	200.3	-	-	-	-	-	-	10	
12	216.2	222.0	215.4	215.4	207.8	207.8	196.5	196.5	157.0	157.0	-	-	-	12	
14	195.9	202.7	197.1	197.8	192.5	192.5	182.4	184.0	157.0	157.0	-	-	-	14	
16	174.0	180.3	176.0	180.8	170.8	177.7	156.1	172.6	140.8	157.0	120.7	120.7	-	16	
18	155.0	158.8	151.8	160.6	143.1	159.5	133.2	156.7	119.1	150.6	109.3	120.4	-	18	
20	135.7	139.1	130.7	140.8	120.7	141.0	112.7	142.8	105.2	141.4	95.8	119.7	86.2	20	
24	89.3	112.2	93.4	115.1	91.4	115.9	86.8	115.0	80.5	112.2	73.6	107.8	69.1	24	
28	62.2	93.2	69.2	96.0	71.0	96.7	68.6	94.1	63.9	95.7	61.7	88.3	57.8	28	
32	-	-	52.1	81.8	54.6	80.8	54.7	82.2	54.3	77.6	51.7	69.8	48.1	32	
36	-	-	41.9	68.4	44.1	70.1	44.5	70.2	46.1	64.9	43.7	58.6	41.6	36	
40	-	-	24.1	52.7	37.0	61.7	37.9	59.6	37.7	54.7	37.9	50.1	36.3	40	
48	-	-	-	-	26.4	44.9	27.3	44.5	27.9	41.4	28.2	41.4	27.7	48	
56	-	-	-	-	19.7	30.1	20.5	32.5	21.3	33.5	21.3	32.5	21.1	56	
64	-	-	-	-	-	-	15.6	26.3	16.5	26.4	16.5	26.0	16.3	64	
72	-	-	-	-	-	-	12.0	21.7	12.9	21.3	12.6	21.9	12.6	72	
80	-	-	-	-	-	-	-	-	10.0	18.3	10.0	18.5	9.8	80	
88	-	-	-	-	-	-	-	-	-	7.7	15.5	7.5	15.2	88	
96	-	-	-	-	-	-	-	-	-	6.0	13.1	5.8	12.9	96	
104	-	-	-	-	-	-	-	-	-	-	-	4.4	10.6	104	
112	-	-	-	-	-	-	-	-	-	-	-	3.2	9.0	112	
1)	45.0	45.0	25.8	32.8	17.4	25.6	11.7	20.3	8.4	16.1	5.3	11.9	3.1	8.8	1)

 360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
ft	1,000 lbs													ft
24	64.4	75.1	-	-	-	-	-	-	-	-	-	-	-	24
28	52.9	68.3	48.9	58.8	-	-	-	-	-	-	-	-	-	28
32	46.2	58.8	43.5	51.8	39.4	46.9	-	-	-	-	-	-	-	32
36	39.7	50.9	37.9	46.5	34.9	41.5	31.9	36.4	-	-	-	-	-	36
40	34.8	44.5	32.8	42.2	31.6	39.0	29.8	35.3	26.0	30.9	23.1	26.2	-	40
48	26.3	36.7	24.9	34.2	24.4	32.3	22.5	30.8	20.1	27.8	17.8	24.6	15.3	48
56	20.5	29.4	19.1	28.4	18.9	26.6	17.2	25.8	15.0	23.4	12.6	20.6	10.2	56
64	15.7	24.9	14.7	23.5	14.5	22.6	12.9	21.2	10.9	18.9	8.6	16.6	6.4	64
72	12.0	20.8	11.1	19.5	11.1	19.0	9.6	17.3	7.8	15.3	5.8	13.3	3.6	72
80	9.3	17.8	8.3	16.3	8.7	16.1	7.2	14.4	5.4	12.6	3.5	10.6	-	80
88	7.1	14.8	6.2	13.7	6.4	13.5	5.2	12.0	3.6	10.1	-	8.0	-	88
96	5.3	12.4	4.5	11.5	4.7	11.2	3.6	9.7	-	7.9	-	6.0	-	96
104	3.9	10.2	3.0	9.3	3.3	9.3	-	7.9	-	6.2	-	4.4	-	104
112	-	8.5	-	7.6	-	7.6	-	6.3	-	4.8	-	3.0	-	112
120	-	7.0	-	6.1	-	6.3	-	5.0	-	3.5	-	-	-	120
128	-	5.7	-	5.0	-	5.1	-	4.1	-	2.5	-	-	-	128
136	-	-	-	3.9	-	4.0	-	3.1	-	-	-	-	-	136
144	-	-	-	-	-	3.1	-	2.2	-	-	-	-	-	144
1)	-	5.7	-	3.5	-	2.4	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions

Operation

HA

 101,400 lbs		 26.70 ft x 17.40 ft		360° / Max.*								ASME B30.5			
 360° 40.7 ft	Max. 40.7 ft	360° 54.1 ft	Max. 54.1 ft	360° 67.6 ft	Max. 67.6 ft	360° 81.0 ft	Max. 81.0 ft	360° 94.5 ft	Max. 94.5 ft	360° 107.9 ft	Max. 107.9 ft	360° 121.4 ft	Max. 121.4 ft		
1,000 lbs														ft	
10	-	243.0	-	236.4	-	223.6	-	200.3	-	-	-	-	-	10	
12	-	222.0	-	215.4	-	207.8	-	196.5	-	157.0	-	-	-	12	
14	-	202.7	-	197.8	-	192.4	-	184.0	-	157.0	-	-	-	14	
16	-	185.4	-	182.8	-	177.7	-	172.6	-	157.0	-	120.7	-	16	
18	153.8	171.3	155.3	170.4	155.3	165.5	154.6	161.2	150.9	151.9	120.4	120.4	-	18	
20	140.8	158.1	142.3	158.6	142.3	154.2	143.6	150.0	142.2	145.5	119.4	119.9	95.2	20	
24	117.5	137.0	120.3	138.6	119.2	136.2	120.8	132.3	115.5	130.8	108.5	113.6	94.3	24	
28	91.2	115.0	94.5	122.1	95.4	121.7	95.2	118.0	96.5	116.8	93.6	106.2	86.4	28	
32	-	-	76.2	108.1	77.3	108.2	79.1	106.5	78.5	105.5	77.4	98.0	74.1	32	
36	-	-	64.8	95.8	66.8	95.7	66.9	94.9	66.4	95.0	65.3	92.0	63.4	36	
40	-	-	48.5	79.3	56.4	84.0	56.4	85.4	56.0	84.7	54.9	85.4	54.2	40	
48	-	-	-	-	43.1	67.4	43.3	67.0	42.8	67.4	42.9	67.7	43.1	48	
56	-	-	-	-	30.1	45.4	34.4	53.4	34.8	54.4	35.1	53.3	34.2	56	
64	-	-	-	-	-	-	28.0	44.8	29.2	44.2	28.7	43.1	27.9	64	
72	-	-	-	-	-	-	24.5	30.1	24.6	36.8	23.9	35.7	24.5	72	
80	-	-	-	-	-	-	-	-	20.9	30.4	20.8	30.1	20.9	80	
88	-	-	-	-	-	-	-	-	-	-	18.4	26.8	17.9	88	
96	-	-	-	-	-	-	-	-	-	-	16.1	23.1	15.6	96	
104	-	-	-	-	-	-	-	-	-	-	-	-	14.1	104	
112	-	-	-	-	-	-	-	-	-	-	-	-	11.9	112	
1)	45.0	45.0	32.8	32.8	25.6	26.5	20.3	20.3	16.5	16.5	13.2	13.2	10.6	1)	

 360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
1,000 lbs														ft
24	75.1	75.1	-	-	-	-	-	-	-	-	-	-	-	24
28	72.4	72.4	58.8	58.8	-	-	-	-	-	-	-	-	-	28
32	68.5	68.6	57.5	57.5	47.9	47.9	-	-	-	-	-	-	-	32
36	60.8	64.4	54.9	55.3	46.7	46.7	37.9	37.9	-	-	-	-	-	36
40	54.5	60.2	51.2	52.7	45.3	45.4	37.7	37.7	31.3	31.3	26.2	26.2	-	40
48	41.7	52.1	40.0	46.8	39.3	41.7	36.4	36.9	31.0	31.0	25.8	25.8	18.9	48
56	33.5	44.8	33.4	41.1	31.8	37.5	31.4	34.4	29.8	30.2	25.8	25.8	18.7	56
64	28.3	40.2	27.4	35.9	27.3	33.2	27.1	31.3	26.1	28.5	25.1	25.3	18.7	64
72	23.7	35.4	23.7	31.4	23.4	29.4	23.0	28.1	21.9	26.5	21.6	24.1	18.7	72
80	20.5	29.9	20.0	27.5	19.8	26.0	19.3	24.9	19.4	24.1	18.5	22.5	17.6	80
88	17.8	25.6	17.5	24.9	17.0	23.0	16.9	22.1	16.5	21.7	15.6	20.8	14.8	88
96	15.4	22.1	15.2	22.5	14.5	20.6	14.8	19.7	14.1	19.4	13.2	19.0	12.6	96
104	13.8	19.6	13.2	19.7	13.0	18.5	12.8	17.6	12.1	17.4	11.3	17.2	10.6	104
112	12.0	18.4	11.6	17.1	11.6	17.3	11.2	16.0	10.5	15.6	9.6	15.5	8.9	112
120	10.7	16.5	10.1	15.0	10.3	15.2	9.6	14.7	9.0	14.2	8.3	13.7	7.5	120
128	9.5	11.0	8.9	14.0	9.0	13.3	8.4	13.1	7.8	12.6	7.0	11.8	6.3	128
136	-	-	7.9	13.0	8.0	11.8	7.3	11.4	6.8	10.9	6.0	10.4	4.9	136
144	-	-	-	-	7.1	10.8	6.4	10.0	5.8	9.5	4.7	9.5	3.8	144
152	-	-	-	-	-	-	5.6	9.2	4.9	8.2	3.8	8.2	2.8	152
160	-	-	-	-	-	-	4.8	8.3	3.9	7.2	2.8	7.2	-	160
168	-	-	-	-	-	-	-	-	3.2	6.6	-	6.1	-	168
176	-	-	-	-	-	-	-	-	2.5	6.2	-	5.2	-	176
184	-	-	-	-	-	-	-	-	-	-	-	4.4	-	184
1)	7.9	7.9	6.0	5.0	4.9	4.9	2.9	2.9	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HA

 71,900 lbs		 26.70 ft x 17.40 ft								360° / Max.*				ASME B30.5			
 360° 40.7ft	Max. 40.7ft	360° 54.1ft	Max. 54.1ft	360° 67.6ft	Max. 67.6ft	360° 81.0ft	Max. 81.0ft	360° 94.5ft	Max. 94.5ft	360° 107.9ft	Max. 107.9ft	360° 121.4ft	Max. 121.4ft				
1,000 lbs														ft			
10	225.1	243.0	226.2	236.4	223.2	223.6	200.3	200.3	-	-	-	-	-	10			
12	200.7	222.0	202.1	215.4	202.1	207.8	196.5	196.5	157.0	157.0	-	-	-	12			
14	180.4	202.7	181.8	197.8	181.8	192.4	179.1	184.0	157.0	157.0	-	-	-	14			
16	163.5	185.4	164.8	182.8	164.8	177.7	157.6	172.6	143.5	157.0	120.7	120.7	-	16			
18	146.7	171.3	148.6	170.4	146.9	165.5	139.5	161.2	126.3	151.9	114.2	120.4	-	18			
20	129.1	158.1	133.6	158.6	131.9	154.2	121.6	150.0	115.7	145.5	106.0	119.9	94.0	20			
24	92.2	136.3	96.1	137.9	97.1	135.8	99.6	132.3	93.9	130.8	86.6	113.6	79.2	24			
28	70.4	114.1	75.0	117.5	76.8	117.4	77.1	116.2	76.3	116.0	72.5	106.2	67.6	28			
32	-	-	60.1	100.9	61.7	100.2	62.0	101.7	61.3	100.8	60.1	97.9	60.2	32			
36	-	-	50.5	88.9	52.0	87.8	52.2	89.2	51.6	88.3	51.6	88.6	52.0	36			
40	-	-	35.8	72.3	43.6	78.5	43.8	78.1	45.2	79.2	44.7	78.7	43.6	40			
48	-	-	-	-	33.6	63.2	34.4	62.8	34.4	64.3	33.9	63.4	34.5	48			
56	-	-	-	-	26.7	44.6	27.4	52.9	27.2	52.7	27.7	51.5	27.3	56			
64	-	-	-	-	-	-	22.3	44.1	22.5	43.3	22.6	42.2	22.5	64			
72	-	-	-	-	-	-	18.4	29.5	18.8	36.7	18.8	35.6	18.8	72			
80	-	-	-	-	-	-	-	15.9	30.0	15.9	29.7	15.9	30.9	80			
88	-	-	-	-	-	-	-	-	-	13.6	26.8	13.5	26.8	88			
96	-	-	-	-	-	-	-	-	-	11.7	23.1	11.6	23.3	96			
104	-	-	-	-	-	-	-	-	-	-	-	9.9	20.2	104			
112	-	-	-	-	-	-	-	-	-	-	-	8.5	11.9	112			
1)	45.0	45.0	32.8	32.8	24.5	25.6	18.1	20.3	14.1	16.5	10.8	13.2	8.6	1)			

 360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
1,000 lbs														ft
24	72.6	75.1	-	-	-	-	-	-	-	-	-	-	-	24
28	63.6	72.4	56.8	58.8	-	-	-	-	-	-	-	-	-	28
32	55.7	68.6	51.5	57.5	46.7	47.9	-	-	-	-	-	-	-	32
36	48.8	64.4	46.4	55.3	41.9	46.7	37.1	37.9	-	-	-	-	-	36
40	42.5	60.2	41.7	52.7	39.1	45.4	35.5	37.7	31.1	31.3	26.2	26.2	-	40
48	33.6	52.1	33.6	46.8	32.3	41.7	31.7	36.9	28.5	31.0	25.4	25.8	18.9	48
56	27.1	44.8	26.8	41.1	26.3	37.5	25.9	34.4	24.5	30.2	22.4	25.8	18.7	56
64	22.1	40.2	21.6	35.9	21.8	33.2	21.2	31.3	20.5	28.5	19.1	25.3	16.9	64
72	18.4	35.4	17.7	31.4	17.9	29.4	17.3	28.1	16.6	26.5	15.7	24.1	14.0	72
80	15.5	29.2	14.8	27.2	15.1	25.9	14.4	24.9	13.7	24.1	12.8	22.5	11.3	80
88	13.2	25.3	12.5	24.9	12.7	23.0	12.1	22.1	11.4	21.7	10.5	20.8	9.2	88
96	11.2	21.8	10.6	22.4	10.7	20.3	10.2	19.4	9.5	19.4	8.6	19.0	7.3	96
104	9.6	19.6	9.0	19.3	9.2	18.5	8.6	17.6	7.9	17.1	7.0	17.2	5.7	104
112	8.3	18.4	7.7	17.1	7.9	17.3	7.2	16.0	6.6	15.6	5.7	15.5	4.3	112
120	7.1	16.5	6.6	15.0	6.6	15.2	6.1	14.7	5.4	14.2	4.3	13.7	3.1	120
128	6.2	11.0	5.6	14.0	5.7	13.3	5.1	13.1	4.2	12.4	3.1	11.7	-	128
136	-	-	4.8	13.0	4.8	11.6	4.0	11.4	3.3	10.9	-	10.4	-	136
144	-	-	-	-	4.0	10.8	3.1	10.0	2.3	9.5	-	9.5	-	144
152	-	-	-	-	-	-	-	9.2	-	8.2	-	8.2	-	152
160	-	-	-	-	-	-	-	8.3	-	7.2	-	6.7	-	160
168	-	-	-	-	-	-	-	-	-	6.6	-	5.8	-	168
176	-	-	-	-	-	-	-	-	-	6.2	-	5.2	-	176
184	-	-	-	-	-	-	-	-	-	-	-	4.4	-	184
1)	6.2	7.9	4.4	6.0	3.1	4.9	-	2.9	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HA

 56,000 lbs		 26.70 ft x 17.40 ft								360° / Max.*				ASME B30.5			
 	360° 40.7ft	Max. 40.7ft	360° 54.1ft	Max. 54.1ft	360° 67.6ft	Max. 67.6ft	360° 81.0ft	Max. 81.0ft	360° 94.5ft	Max. 94.5ft	360° 107.9ft	Max. 107.9ft	360° 121.4ft	Max. 121.4ft			
ft	1,000 lbs														ft		
10	221.8	243.0	222.9	236.4	222.9	223.6	200.3	200.3	-	-	-	-	-	-	10		
12	197.9	222.0	199.2	215.4	199.2	207.8	190.2	196.5	156.3	157.0	-	-	-	-	12		
14	177.8	202.7	179.2	197.8	175.8	192.4	162.0	184.0	144.2	157.0	-	-	-	-	14		
16	161.2	185.4	162.5	182.8	150.2	177.7	137.5	172.6	125.6	157.0	114.9	120.7	-	-	16		
18	136.4	171.3	139.0	170.4	132.3	165.5	119.9	161.2	113.1	151.9	102.7	120.4	-	-	18		
20	110.7	157.8	115.3	158.4	113.4	154.2	108.4	150.0	99.4	145.5	90.7	119.9	83.4	95.2	20		
24	78.7	132.3	83.5	134.0	86.0	133.9	85.6	130.9	80.3	130.3	73.8	113.6	69.6	94.8	24		
28	59.6	110.4	64.2	111.9	66.0	111.9	66.2	113.4	65.4	112.4	63.3	106.2	60.2	92.3	28		
32	-	-	51.2	96.5	52.8	96.1	53.0	97.0	53.8	95.9	54.1	96.0	51.5	88.9	32		
36	-	-	42.8	84.7	44.3	85.2	44.5	85.0	46.1	85.0	45.5	85.7	43.9	80.8	36		
40	-	-	29.0	68.8	38.0	74.5	38.9	74.3	38.7	75.9	38.2	74.9	38.7	71.6	40		
48	-	-	-	-	28.6	58.0	29.4	59.9	29.6	59.5	29.7	58.3	29.7	55.2	48		
56	-	-	-	-	22.5	38.8	23.0	47.8	23.5	47.1	23.7	46.0	23.4	44.1	56		
64	-	-	-	-	-	-	18.5	39.3	19.1	38.6	19.1	37.5	18.9	37.5	64		
72	-	-	-	-	-	-	15.3	28.7	15.7	31.9	15.7	31.6	15.5	32.1	72		
80	-	-	-	-	-	-	-	-	13.1	27.2	13.1	28.4	12.9	27.5	80		
88	-	-	-	-	-	-	-	-	-	-	11.1	24.4	10.8	23.3	88		
96	-	-	-	-	-	-	-	-	-	-	9.3	21.0	9.2	19.9	96		
104	-	-	-	-	-	-	-	-	-	-	-	-	7.9	17.8	104		
112	-	-	-	-	-	-	-	-	-	-	-	-	6.6	11.9	112		
1)	45.0	45.0	28.9	32.8	20.3	25.6	15.0	20.3	11.5	16.5	8.6	13.2	6.6	10.6	1)		

 360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
ft	1,000 lbs													ft
24	65.0	75.1	-	-	-	-	-	-	-	-	-	-	-	24
28	55.7	72.4	51.1	58.8	-	-	-	-	-	-	-	-	-	28
32	48.9	68.6	45.9	57.5	41.7	47.9	-	-	-	-	-	-	-	32
36	43.3	64.4	40.9	55.3	38.1	46.7	34.3	37.9	-	-	-	-	-	36
40	37.8	60.2	37.4	52.7	35.3	45.4	33.2	37.7	29.3	31.3	26.0	26.2	-	40
48	29.1	51.6	28.8	46.8	28.5	41.7	27.6	36.9	24.8	31.0	22.0	25.8	18.7	48
56	23.2	43.9	22.5	40.3	22.7	37.5	22.0	34.4	20.4	30.2	18.3	25.8	16.4	56
64	18.7	37.3	17.8	33.9	18.2	32.3	17.6	31.3	16.6	28.5	14.8	25.3	13.0	64
72	15.3	30.5	14.4	29.4	14.6	28.1	14.2	26.5	13.3	26.5	11.7	24.1	10.2	72
80	12.7	26.0	12.0	26.1	12.2	23.5	11.6	23.7	10.9	22.6	9.4	22.2	7.9	80
88	10.6	23.0	9.9	22.3	10.2	21.6	9.5	20.7	8.8	20.3	7.5	19.1	6.0	88
96	8.9	20.5	8.2	18.8	8.4	19.2	7.8	18.5	7.1	17.6	5.8	16.6	4.2	96
104	7.4	17.7	6.8	17.4	7.0	16.4	6.3	16.0	5.7	15.0	4.4	14.4	2.8	104
112	6.3	15.3	5.7	15.3	5.9	14.5	5.2	14.4	4.3	13.1	3.0	12.5	-	112
120	5.3	13.6	4.6	13.2	4.8	13.2	3.9	12.1	3.3	11.7	-	10.9	-	120
128	4.4	11.0	3.6	11.5	3.7	11.2	3.0	10.9	-	10.4	-	9.2	-	128
136	-	-	2.8	10.4	2.8	9.6	-	9.8	-	8.9	-	7.8	-	136
144	-	-	-	-	-	8.4	-	8.4	-	7.6	-	6.5	-	144
152	-	-	-	-	-	-	-	7.4	-	6.5	-	5.4	-	152
160	-	-	-	-	-	-	-	6.4	-	5.6	-	4.3	-	160
168	-	-	-	-	-	-	-	-	-	4.7	-	3.4	-	168
176	-	-	-	-	-	-	-	-	-	3.9	-	2.7	-	176
1)	4.4	7.9	2.4	6.0	-	4.9	-	2.9	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HA

 13,900 lbs		 26.70 ft x 17.40 ft		360° / Max.*								ASME B30.5			
 360° 40.7ft	Max. 40.7ft	360° 54.1ft	Max. 54.1ft	360° 67.6ft	Max. 67.6ft	360° 81.0ft	Max. 81.0ft	360° 94.5ft	Max. 94.5ft	360° 107.9ft	Max. 107.9ft	360° 121.4ft	Max. 121.4ft		
1,000 lbs														ft	
10	213.9	243.0	206.5	236.4	172.6	223.6	143.6	200.3	-	-	-	-	-	10	
12	178.3	222.0	153.6	215.4	131.7	207.8	118.7	196.5	103.0	157.0	-	-	-	12	
14	133.1	202.7	119.0	197.8	109.3	192.4	97.1	184.0	87.4	157.0	-	-	-	14	
16	100.2	182.9	98.5	182.8	90.3	177.7	81.4	172.6	76.7	157.0	68.9	120.7	-	16	
18	78.4	162.1	81.7	163.5	77.3	160.9	70.9	158.1	67.1	150.1	61.7	120.4	-	18	
20	60.3	142.1	66.6	143.8	65.8	143.8	63.5	143.8	58.5	139.5	55.3	117.9	51.4	94.8	20
24	41.4	114.6	46.7	117.6	50.3	115.0	49.6	111.7	47.8	106.9	44.5	98.4	41.9	85.2	24
28	30.2	90.3	34.7	94.7	37.9	91.8	38.9	90.8	38.8	84.7	36.7	77.0	34.8	69.9	28
32	-	-	26.9	75.0	29.8	76.5	30.6	75.4	31.4	69.6	30.7	62.5	29.2	59.4	32
36	-	-	21.8	62.6	24.6	64.6	25.2	63.0	26.1	58.3	25.9	53.4	25.0	51.5	36
40	-	-	11.0	42.5	20.0	54.9	20.7	52.0	21.5	48.3	21.5	48.1	21.1	44.0	40
48	-	-	-	-	14.3	37.7	14.9	37.9	15.6	38.7	15.6	36.3	15.4	34.9	48
56	-	-	-	-	10.5	28.4	10.9	29.5	11.6	29.4	11.6	28.6	11.5	28.6	56
64	-	-	-	-	-	-	8.2	23.1	8.9	23.2	8.9	23.4	8.6	23.0	64
72	-	-	-	-	-	-	6.2	18.8	6.7	19.2	6.7	19.3	6.7	19.0	72
80	-	-	-	-	-	-	-	-	5.1	16.1	5.1	15.9	5.0	15.8	80
88	-	-	-	-	-	-	-	-	-	-	3.7	13.3	3.5	13.1	88
96	-	-	-	-	-	-	-	-	-	-	-	11.2	-	10.9	96
104	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	104
112	-	-	-	-	-	-	-	-	-	-	-	-	-	7.6	112
1)	22.7	45.0	13.4	32.8	9.0	25.6	6.2	18.5	4.0	13.9	-	10.1	-	7.5	1)

	360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
ft	1,000 lbs														ft
24	38,2	73,0	-	-	-	-	-	-	-	-	-	-	-	-	24
28	31,7	63,7	29,6	56,0	-	-	-	-	-	-	-	-	-	-	28
32	26,7	54,1	24,9	50,3	24,2	45,0	-	-	-	-	-	-	-	-	32
36	22,9	46,7	21,3	43,8	20,8	39,5	18,6	34,9	-	-	-	-	-	-	36
40	19,5	42,2	18,1	39,1	17,7	36,5	15,8	34,2	13,8	30,0	10,7	26,1	-	-	40
48	14,8	32,7	13,6	32,2	13,2	30,1	11,7	28,7	9,7	25,2	7,8	22,9	-	18,9	48
56	11,2	27,0	10,0	25,6	9,9	25,1	8,5	23,5	6,9	21,4	5,1	18,9	-	16,7	56
64	8,4	22,2	7,3	20,9	7,3	20,7	6,0	19,1	4,6	17,3	2,7	15,3	-	13,2	64
72	6,2	18,6	5,3	17,3	5,3	17,1	4,0	15,5	2,5	14,0	-	12,0	-	10,0	72
80	4,6	15,4	3,7	14,5	3,8	14,2	-	12,6	-	11,0	-	9,1	-	7,3	80
88	3,1	12,6	-	11,8	-	12,1	-	10,5	-	8,7	-	6,9	-	5,1	88
96	-	10,5	-	9,6	-	9,9	-	8,7	-	7,0	-	5,1	-	3,4	96
104	-	8,6	-	7,7	-	7,9	-	7,0	-	5,5	-	3,5	-	-	104
112	-	7,0	-	6,3	-	6,5	-	5,7	-	4,1	-	-	-	-	112
120	-	5,9	-	5,0	-	5,3	-	4,4	-	3,1	-	-	-	-	120
128	-	4,7	-	4,0	-	4,2	-	3,3	-	-	-	-	-	-	128
136	-	-	-	3,0	-	3,1	-	2,4	-	-	-	-	-	-	136
144	-	-	-	-	-	2,2	-	-	-	-	-	-	-	-	144
1)	-	4.9	-	2.6	-	-	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HA

 8,200 lbs		 26.70 ft x 17.40 ft								360° / Max.*				ASME B30.5			
		360° 40.7ft	Max. 40.7ft	360° 54.1ft	Max. 54.1ft	360° 67.6ft	Max. 67.6ft	360° 81.0ft	Max. 81.0ft	360° 94.5ft	Max. 94.5ft	360° 107.9ft	Max. 107.9ft	360° 121.4ft	Max. 121.4ft		
ft		1,000 lbs														ft	
10		211.2	243.0	190.4	236.4	156.0	223.6	136.0	200.3	-	-	-	-	-	-	10	
12		160.7	222.0	138.3	215.4	123.2	207.8	107.2	196.5	94.5	157.0	-	-	-	-	12	
14		118.8	202.7	108.0	197.8	98.4	192.4	87.5	184.0	81.2	157.0	-	-	-	-	14	
16		89.5	180.3	88.4	180.8	81.1	177.7	75.5	172.6	69.0	157.0	61.9	120.7	-	-	16	
18		70.0	158.8	73.3	160.6	69.4	159.5	66.0	154.3	60.3	144.2	56.4	119.2	-	-	18	
20		53.6	139.1	59.7	140.8	60.4	140.3	56.9	141.1	53.7	127.8	49.4	115.5	46.2	93.9	20	
24		36.4	111.7	41.6	113.0	45.2	109.5	44.5	104.6	42.7	100.3	39.7	89.9	37.4	78.1	24	
28		26.2	84.5	30.8	88.3	33.9	86.0	34.8	86.1	34.6	77.2	32.6	68.9	30.8	64.3	28	
32		-	-	23.6	71.7	26.4	72.5	27.3	68.1	28.1	62.7	27.2	58.3	25.7	54.4	32	
36		-	-	18.9	58.7	21.6	59.9	22.5	56.3	23.2	52.0	22.8	50.8	21.9	46.5	36	
40		-	-	8.6	36.7	17.4	49.1	18.3	47.2	18.9	45.7	18.9	42.9	18.5	40.6	40	
48		-	-	-	-	12.3	34.5	12.8	34.6	13.5	35.4	13.5	32.9	13.5	32.1	48	
56		-	-	-	-	8.8	25.9	9.4	26.6	9.9	26.4	9.9	27.0	9.9	26.3	56	
64		-	-	-	-	-	-	6.9	21.0	7.5	21.5	7.5	21.8	7.3	21.3	64	
72		-	-	-	-	-	-	5.1	16.8	5.6	17.5	5.6	17.5	5.3	17.3	72	
80		-	-	-	-	-	-	-	-	4.0	14.4	4.0	14.3	3.8	14.1	80	
88		-	-	-	-	-	-	-	-	-	-	-	11.8	-	11.6	88	
96		-	-	-	-	-	-	-	-	-	-	-	9.8	-	9.6	96	
104		-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	104	
112		-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	112	
1)		19.4	45.0	11.2	32.8	7.5	23.4	4.9	16.8	2.9	12.3	-	8.8	-	6.2	1)	

	360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
ft	1,000 lbs														ft
24	34.0	69.0	-	-	-	-	-	-	-	-	-	-	-	-	24
28	28.0	59.3	25.9	52.5	-	-	-	-	-	-	-	-	-	-	28
32	23.4	49.3	21.7	46.6	21.0	41.7	-	-	-	-	-	-	-	-	32
36	19.9	43.8	18.5	40.9	17.9	37.5	15.9	33.7	-	-	-	-	-	-	36
40	16.8	38.4	15.5	37.4	15.1	34.3	13.4	31.8	11.4	29.2	8.3	25.8	-	-	40
48	12.5	30.6	11.2	29.2	11.1	28.6	9.5	26.2	7.8	23.5	5.8	21.3	-	18.1	48
56	9.3	24.5	8.1	23.3	8.1	22.9	6.7	21.1	5.1	19.0	-	16.4	-	14.5	56
64	6.8	20.0	5.7	18.7	5.7	18.5	4.4	17.1	2.9	15.3	-	13.2	-	11.0	64
72	4.9	16.4	3.8	15.3	3.8	15.1	2.5	13.7	-	12.0	-	10.0	-	8.0	72
80	3.3	13.9	-	12.6	-	12.3	-	10.9	-	9.1	-	7.4	-	5.6	80
88	-	11.2	-	10.3	-	10.4	-	8.8	-	7.1	-	5.3	-	3.6	88
96	-	9.2	-	8.3	-	8.5	-	7.1	-	5.3	-	3.6	-	-	96
104	-	7.5	-	6.6	-	6.8	-	5.7	-	3.9	-	-	-	-	104
112	-	5.9	-	5.2	-	5.4	-	4.3	-	-	-	-	-	-	112
120	-	4.8	-	3.9	-	4.2	-	3.3	-	-	-	-	-	-	120
128	-	3.7	-	3.0	-	3.1	-	-	-	-	-	-	-	-	128
1)	-	3.7	-	-	-	-	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HA

 8,200 lbs		 26.70 ft x 8.30 ft		360° / Max.*								ASME B30.5			
 360° 40.7ft	Max. 40.7ft	360° 54.1ft	Max. 54.1ft	360° 67.6ft	Max. 67.6ft	360° 81.0ft	Max. 81.0ft	360° 94.5ft	Max. 94.5ft	360° 107.9ft	Max. 107.9ft	360° 121.4ft	Max. 121.4ft		
1,000 lbs														ft	
10	56.7	243.0	55.3	236.4	52.6	170.6	48.3	107.3	-	-	-	-	-	10	
12	42.9	222.0	44.7	215.4	43.4	171.9	40.3	109.0	36.2	78.7	-	-	-	12	
14	31.6	202.7	36.3	197.8	36.3	176.1	34.0	110.8	32.1	79.5	-	-	-	14	
16	24.1	180.3	29.0	180.8	30.8	175.7	29.1	112.9	27.7	80.5	23.4	59.6	-	16	
18	19.2	158.8	23.7	160.6	26.1	159.0	25.3	114.1	24.3	78.1	22.1	61.1	-	18	
20	15.0	139.1	19.1	140.2	22.0	138.3	21.8	113.7	21.2	79.3	19.3	61.0	18.0	20	
24	9.5	108.1	13.4	108.4	16.0	99.1	16.7	95.3	16.4	78.8	15.2	62.4	14.2	24	
28	5.4	75.8	9.6	78.0	11.9	77.2	12.6	72.2	13.0	66.4	12.1	61.3	11.2	28	
32	-	-	6.7	59.7	8.9	60.6	9.6	57.1	10.2	54.8	9.5	52.5	8.8	32	
36	-	-	4.3	46.8	6.9	48.4	7.5	47.1	8.2	47.1	7.6	44.0	7.0	36	
40	-	-	-	27.6	5.0	39.3	5.7	40.2	6.4	39.4	6.0	38.0	5.3	40	
48	-	-	-	-	-	28.2	-	28.6	3.6	29.2	3.4	28.9	-	48	
56	-	-	-	-	-	21.5	-	22.1	-	22.5	-	22.2	-	56	
64	-	-	-	-	-	-	-	17.4	-	17.8	-	17.6	-	64	
72	-	-	-	-	-	-	-	14.2	-	14.4	-	14.2	-	72	
80	-	-	-	-	-	-	-	-	-	11.7	-	11.6	-	80	
88	-	-	-	-	-	-	-	-	-	-	-	9.4	-	88	
96	-	-	-	-	-	-	-	-	-	-	-	7.5	-	96	
104	-	-	-	-	-	-	-	-	-	-	-	-	-	104	
112	-	-	-	-	-	-	-	-	-	-	-	-	-	112	
1)	2.2	45.0	-	28.7	-	19.6	-	13.9	-	10.1	-	7.1	-	1)	

 360° 134.8 ft	Max. 134.8 ft	360° 148.3 ft	Max. 148.3 ft	360° 161.4 ft	Max. 161.4 ft	360° 174.9 ft	Max. 174.9 ft	360° 188.6 ft	Max. 188.6 ft	360° 202.1 ft	Max. 202.1 ft	360° 223.1 ft	Max. 223.1 ft	
1,000 lbs														ft
24	12.0	39.6	-	-	-	-	-	-	-	-	-	-	-	24
28	9.5	40.3	8.2	32.7	-	-	-	-	-	-	-	-	-	28
32	7.4	41.1	6.1	33.2	6.1	28.2	-	-	-	-	-	-	-	32
36	5.8	38.2	4.6	33.4	4.6	28.5	-	23.1	-	-	-	-	-	36
40	4.2	34.4	-	32.9	-	28.6	-	23.4	-	17.9	-	13.3	-	40
48	-	26.7	-	25.4	-	24.9	-	22.8	-	18.2	-	13.8	-	48
56	-	21.2	-	19.9	-	19.8	-	18.2	-	16.3	-	13.4	-	56
64	-	17.0	-	15.9	-	15.8	-	14.4	-	12.6	-	10.6	-	64
72	-	13.3	-	12.4	-	12.6	-	11.1	-	9.3	-	7.6	-	72
80	-	10.9	-	9.8	-	10.0	-	8.7	-	7.2	-	5.2	-	80
88	-	8.6	-	7.7	-	7.8	-	6.6	-	5.2	-	3.4	-	88
96	-	6.7	-	6.0	-	6.2	-	5.0	-	3.6	-	-	-	96
104	-	5.4	-	4.4	-	4.6	-	3.7	-	2.3	-	-	-	104
112	-	4.1	-	3.2	-	3.5	-	-	-	-	-	-	-	112
120	-	3.1	-	-	-	-	-	-	-	-	-	-	-	120
1)	-	2.2	-	-	-	-	-	-	-	-	-	-	-	1)

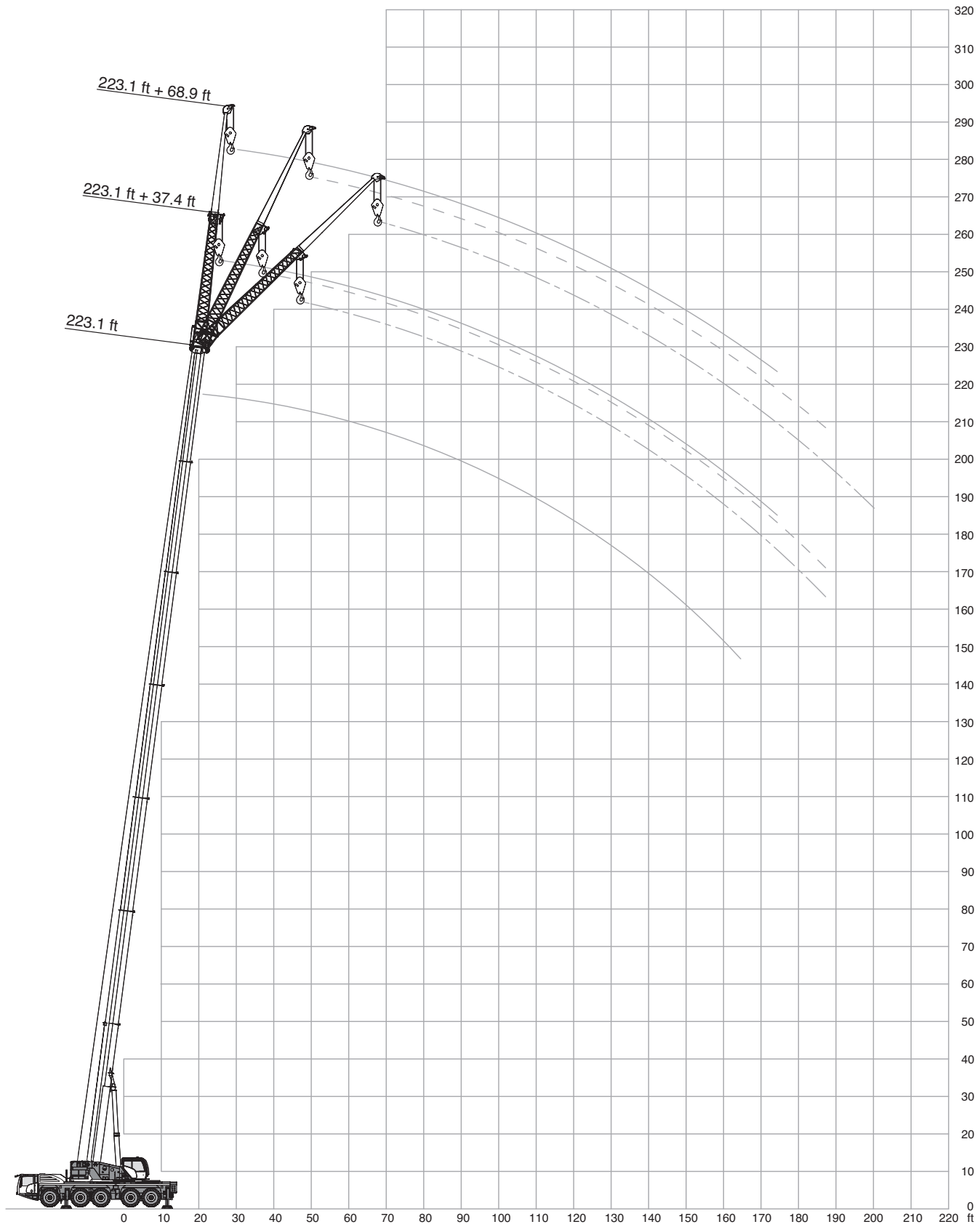
1) Capacities with horizontal boom

* Max. values are valid only for specific superstructure positions



Operation

HAV



Operation

HAV

 101,400 lbs  26.70 ft x 24.60 ft								360°								ASME B30.5		
 40.7 ft								 121.4 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	-	-	22.2	-	-	24		39.0	-	-	-	-	-			
12		41.2	-	-	22.0	-	-	28		38.6	-	-	16.6	-	-			
14		41.2	-	-	21.9	-	-	32		38.2	-	-	16.4	-	-			
16		41.2	-	-	21.7	-	-	36		37.7	-	-	16.1	-	-			
18		41.2	-	-	21.4	-	-	40		37.2	29.2	-	15.9	-	-			
20		41.2	34.8	-	21.1	-	-	48		35.6	27.3	21.4	15.5	-	-			
24		41.2	31.9	-	20.5	-	-	56		33.0	25.5	20.6	15.1	12.8	-			
28		39.6	29.5	-	19.7	-	-	64		30.1	23.9	20.0	14.7	12.1	-			
32		35.8	27.5	22.5	18.9	-	-	72		27.4	22.5	19.4	14.1	11.5	-			
36		32.7	25.8	21.5	17.9	-	-	80		25.3	21.2	18.9	13.8	10.9	9.0			
40		29.9	24.3	20.6	16.8	13.6	-	88		23.5	20.1	18.3	13.3	10.4	8.7			
48		25.7	21.7	19.3	14.9	12.3	-	96		21.9	19.1	17.8	12.7	9.9	8.5			
56		22.3	19.9	18.6	13.2	11.2	9.7	104		20.6	18.2	17.3	12.0	9.5	8.4			
64		19.8	18.7	-	11.7	10.3	9.1	112		18.4	17.4	17.0	11.2	9.2	8.2			
72		-	-	-	10.6	9.5	8.6	120		16.0	16.5	16.5	10.7	9.0	8.1			
80		-	-	-	9.8	9.0	8.3	128		13.9	14.5	7.6	10.1	8.7	7.9			
88		-	-	-	9.1	8.5	8.2	136		12.3	12.5	-	9.6	8.4	7.9			
96		-	-	-	8.5	8.2	-	144		11.3	11.3	-	9.3	8.2	7.9			
								152		5.9	-	-	8.8	8.2	7.9			
								160		-	-	-	8.5	8.2	4.7			
								168		-	-	-	8.0	7.8	-			
								176		-	-	-	7.6	7.0	-			

 202.1 ft							
 		37.4 ft			68.9 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lbs					
48		13.2	-	-	-	-	-
56		13.2	-	-	7.7	-	-
64		13.2	-	-	7.7	-	-
72		13.2	-	-	7.7	-	-
80		13.2	13.2	-	7.7	-	-
88		13.2	13.2	13.2	7.7	-	-
96		13.2	13.2	13.2	7.7	7.7	-
104		13.2	13.2	13.2	7.7	7.7	-
112		12.7	12.7	12.5	7.7	7.7	7.5
120		11.9	11.9	11.9	7.7	7.7	7.5
128		11.1	11.1	11.1	7.7	7.7	7.5
136		10.3	10.3	10.3	7.7	7.7	7.5
144		9.1	9.5	9.7	7.5	7.5	7.5
152		7.8	8.6	8.7	7.2	7.2	7.2
160		6.5	7.3	7.7	6.6	6.9	6.7
168		5.8	6.1	6.5	5.5	6.3	6.5
176		5.0	5.4	5.4	4.7	5.6	6.2
184		4.2	4.6	4.7	4.1	4.7	5.5
192		3.4	3.8	4.0	3.4	4.0	4.6
200		2.5	3.0	3.0	2.5	3.4	3.7
208		-	-	-	-	-	3.1
216		-	-	-	-	-	2.5

 223.1 ft							
 		37.4 ft			68.9 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lbs					
56		9.5	-	-	-	-	-
64		9.5	-	-	-	-	-
72		9.5	-	-	5.7	-	-
80		9.5	9.5	-	5.7	-	-
88		9.5	9.5	-	5.7	-	-
96		9.5	9.5	9.5	5.7	-	-
104		9.5	9.5	9.5	5.7	-	-
112		9.5	9.5	9.5	5.7	-	-
120		9.5	9.5	9.5	5.7	-	-
128		9.4	9.5	9.5	5.7	-	-
136		8.8	9.2	9.2	5.7	-	-
144		8.2	8.4	8.4	5.7	-	-
152		7.3	7.6	7.8	5.7	-	-
160		6.1	6.8	7.0	5.5	-	-
168		5.0	5.9	6.1	4.6	-	-
176		3.9	4.8	5.0	3.7	-	-
184		3.1	3.7	4.0	3.0	-	-



Operation

HAV

71,900 lbs  26.70 ft x 24.60 ft								360° ASME B30.5							
 40.7 ft								 121.4 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						ft		1,000 lbs					
10		41.2	-	-	22.2	-	-	24		39.0	-	-	-	-	-
12		41.2	-	-	22.0	-	-	28		38.6	-	-	16.6	-	-
14		41.2	-	-	21.9	-	-	32		38.2	-	-	16.4	-	-
16		41.2	-	-	21.7	-	-	36		37.7	-	-	16.1	-	-
18		41.2	-	-	21.4	-	-	40		37.2	29.2	-	15.9	-	-
20		41.2	34.8	-	21.1	-	-	48		35.6	27.3	21.4	15.5	-	-
24		41.2	31.9	-	20.5	-	-	56		33.0	25.5	20.6	15.1	12.8	-
28		39.6	29.5	-	19.7	-	-	64		30.1	23.9	20.0	14.7	12.1	-
32		35.8	27.5	22.5	18.9	-	-	72		27.4	22.5	19.4	14.1	11.5	-
36		32.7	25.8	21.5	17.9	-	-	80		24.7	21.2	18.9	13.8	10.9	9.0
40		29.9	24.3	20.6	16.8	13.6	-	88		21.4	20.1	18.3	13.3	10.4	8.7
48		25.7	21.7	19.3	14.9	12.3	-	96		18.2	18.8	17.8	12.7	9.9	8.5
56		22.3	19.9	18.6	13.2	11.2	9.7	104		15.8	16.5	16.9	12.0	9.5	8.4
64		19.8	18.7	-	11.7	10.3	9.1	112		14.0	14.4	15.1	11.2	9.2	8.2
72		-	-	-	10.6	9.5	8.6	120		12.6	12.7	12.7	10.6	9.0	8.1
80		-	-	-	9.8	9.0	8.3	128		11.0	11.6	7.6	10.0	8.7	7.9
88		-	-	-	9.1	8.5	8.2	136		9.6	9.8	-	9.0	8.4	7.9
96		-	-	-	8.5	8.2	-	144		9.1	8.8	-	8.2	8.2	7.9
								152		5.9	-	-	7.6	7.5	7.8
								160		-	-	-	6.5	6.9	4.7
								168		-	-	-	5.9	4.3	-
								176		-	-	-	5.6	3.8	-

 202.1 ft								 223.1 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						ft		1,000 lbs					
48		13.2	-	-	-	-	-	56		9.5	-	-	-	-	-
56		13.2	-	-	7.7	-	-	64		9.5	-	-	-	-	-
64		13.2	-	-	7.7	-	-	72		9.5	-	-	5.7	-	-
72		13.2	-	-	7.7	-	-	80		9.5	9.5	-	5.7	-	-
80		13.2	13.2	-	7.7	-	-	88		9.5	9.5	-	5.7	-	-
88		13.2	13.2	13.2	7.7	-	-	96		9.5	9.5	9.5	5.7	-	-
96		13.2	13.2	13.2	7.7	7.7	-	104		9.5	9.5	9.5	5.7	-	-
104		12.5	13.2	13.2	7.7	7.7	-	112		9.4	9.5	9.5	5.7	-	-
112		11.1	12.0	12.5	7.7	7.7	7.5	120		7.6	9.1	9.4	5.7	-	-
120		9.3	10.3	11.2	7.5	7.7	7.5	128		6.1	7.5	8.6	5.2	-	-
128		7.7	9.0	9.6	6.5	7.7	7.5	136		4.7	6.0	7.1	3.8	-	-
136		6.4	7.6	8.3	5.5	7.1	7.5	144		3.6	4.7	5.8	2.7	-	-
144		5.1	6.0	6.9	4.5	6.2	7.5	152		-	3.6	4.5	-	-	-
152		4.0	4.9	5.6	3.4	5.1	6.5	160		-	2.6	3.4	-	-	-
160		3.0	3.9	4.3	-	4.2	5.6								
168		-	-	-	-	3.3	4.5								
176		-	-	-	-	2.3	3.5								



Operation

HAV

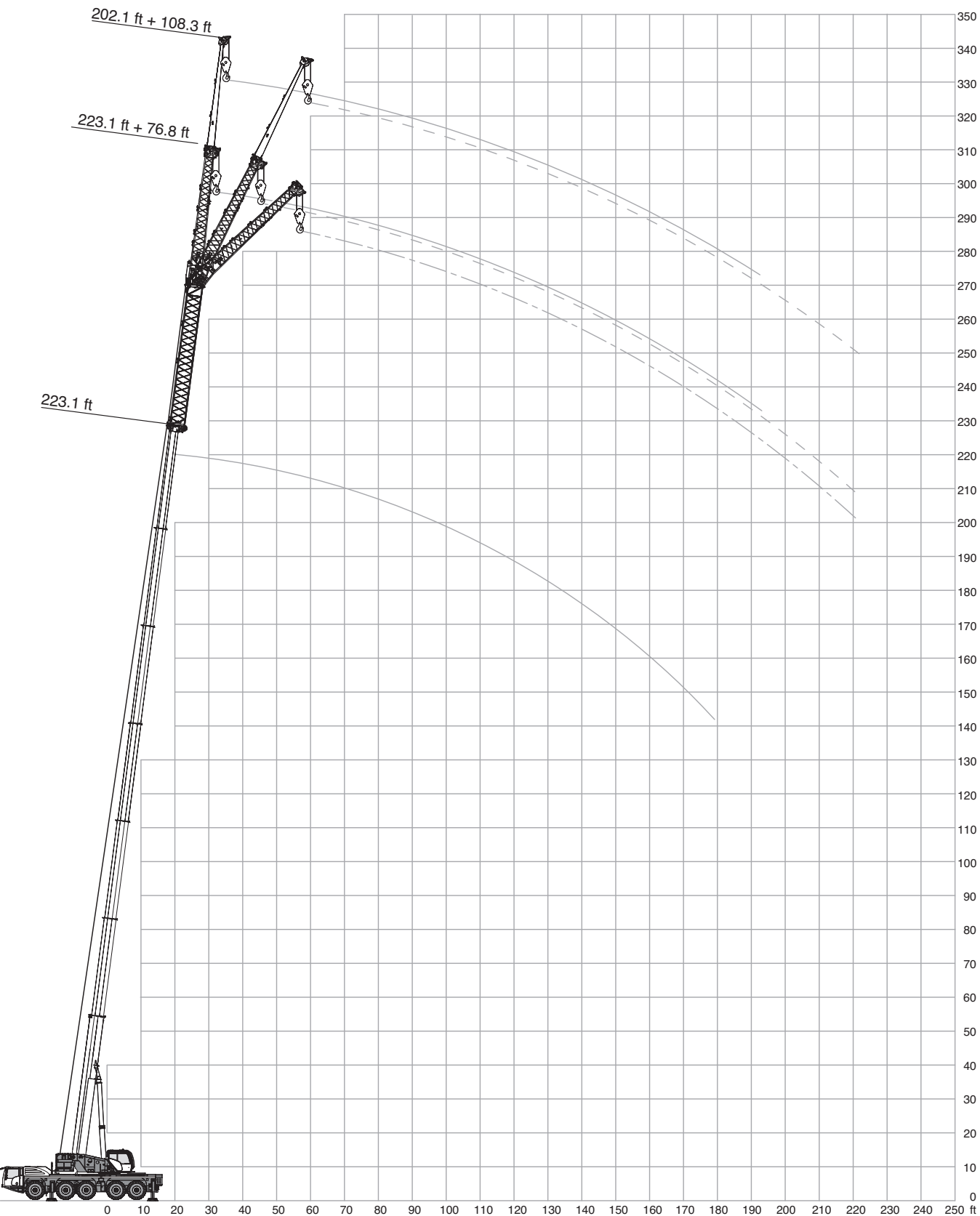
56,000 lbs								26.70 ft x 24.60 ft								360°								ASME B30.5							
40.7 ft								121.4 ft																							
		37.4 ft			68.9 ft					37.4 ft			68.9 ft					37.4 ft			68.9 ft					37.4 ft			68.9 ft		
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°
ft		1,000 lbs						ft		1,000 lbs						ft		1,000 lbs						ft		1,000 lbs					
10		41.2	-	-	22.2	-	-	24		39.0	-	-	-	-	-	28		38.6	-	-	16.6	-	-	32		38.2	-	-	16.4	-	-
12		41.2	-	-	22.0	-	-	28		38.6	-	-	-	-	-	36		37.7	-	-	16.1	-	-	40		37.2	29.2	-	15.9	-	-
14		41.2	-	-	21.9	-	-	32		38.2	-	-	-	-	-	48		35.6	27.3	21.4	15.5	-	-	56		33.0	25.5	20.6	15.1	12.8	-
16		41.2	-	-	21.7	-	-	36		37.7	-	-	-	-	-	64		29.8	23.9	20.0	14.7	12.1	-	72		25.2	22.5	19.4	14.1	11.5	-
18		41.2	-	-	21.4	-	-	40		37.2	29.2	-	-	-	-	80		21.5	21.0	18.9	13.8	10.9	9.0	88		17.9	18.9	18.2	13.3	10.4	8.7
20		41.2	34.8	-	21.1	-	-	48		35.6	27.3	21.4	15.5	-	-	96		15.8	16.1	16.8	12.7	9.9	8.5	104		13.5	14.0	14.3	12.0	9.5	8.4
24		41.2	31.9	-	20.5	-	-	56		33.0	25.5	20.6	15.1	12.8	-	112		12.0	12.2	12.7	11.1	9.2	8.2	120		10.6	10.7	10.8	10.0	9.0	8.1
28		39.6	29.5	-	19.7	-	-	64		29.8	23.9	20.0	14.7	12.1	-	128		9.6	9.7	7.6	8.7	8.6	7.9	136		8.2	8.5	-	7.9	8.2	7.9
32		35.8	27.5	22.5	18.9	-	-	72		25.2	22.5	19.4	14.1	11.5	-	144		7.3	7.3	-	6.9	7.3	7.5	152		5.9	-	-	6.3	6.7	6.9
36		32.7	25.8	21.5	17.9	-	-	80		21.5	21.0	18.9	13.8	10.9	9.0	160		-	-	-	5.5	5.8	4.7	168		-	-	-	4.8	4.2	-
40		29.9	24.3	20.6	16.8	13.6	-	88		17.9	18.9	18.2	13.3	10.4	8.7	176		-	-	-	4.3	3.8	-			-	-	-	-	-	-
48		25.7	21.7	19.3	14.9	12.3	-	96		15.8	16.1	16.8	12.7	9.9	8.5			-	-	-	-	-	-			-	-	-	-	-	-
56		22.3	19.9	18.6	13.2	11.2	9.7			13.5	14.0	14.3	12.0	9.5	8.4			-	-	-	-	-	-			-	-	-	-	-	-
64		19.8	18.7	-	11.7	10.3	9.1			12.0	12.2	12.7	11.1	9.2	8.2			-	-	-	-	-	-			-	-	-	-	-	-
72		-	-	-	10.6	9.5	8.6			10.6	10.7	10.8	10.0	9.0	8.1			-	-	-	-	-	-			-	-	-	-	-	-
80		-	-	-	9.8	9.0	8.3			9.6	9.7	7.6	8.7	8.6	7.9			-	-	-	-	-	-			-	-	-	-	-	-
88		-	-	-	9.1	8.5	8.2			8.2	8.5	-	7.9	8.2	7.9			-	-	-	-	-	-			-	-	-	-	-	-
96		-	-	-	8.5	8.2	-			7.3	7.3	-	6.9	7.3	7.5			-	-	-	-	-	-			-	-	-	-	-	-

202.1 ft								223.1 ft																							
		37.4 ft			68.9 ft					37.4 ft			68.9 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°			0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°
ft		1,000 lbs						ft		1,000 lbs						ft		1,000 lbs						ft		1,000 lbs					
48		13.2	-	-	-	-	-	56		9.5	-	-	-	-	-	64		9.5	-	-	-	-	-	72		9.5	-	-	5.7	-	-
56		13.2	-	-	7.7	-	-	64		9.5	-	-	-	-	-	72		9.5	-	-	-	-	-	80		9.5	9.5	-	5.7	-	-
64		13.2	-	-	7.7	-	-	72		9.5	-	-	-	-	-	80		9.5	9.5	-	5.7	-	-	88		9.5	9.5	-	5.7	-	-
72		13.2	-	-	7.7	-	-	80		9.5	9.5	-	-	-	-	96		9.2	9.5	9.5	5.7	-	-	104		7.5	9.1	9.5	5.7	-	-
80		13.2	13.2	-	7.7	-	-	88		9.5	9.5	-	-	-	-	112		5.9	7.4	8.9	4.8	-	-	120		4.3	5.8	7.1	3.2	-	-
88		12.8	13.2	13.2	7.7	-	-	96		9.2	9.5	9.5	5.7	-	-	128		3.0	4.3	5.5	-	-	-	136		-	3.1	4.2	-	-	-
96		11.0	12.5	13.2	7.7	7.7	-	104		7.5	9.1	9.5	5.7	-	-	144		-	-	-	-	-	-			-	-	-	-	-	-
104		9.3	10.9	11.9	7.5	7.7	-	112		5.9	7.4	8.9	4.8	-	-			-	-	-	-	-	-			-	-	-	-	-	-
112		7.6	9.2	10.3	6.5	7.7	7.5	120		4.3	5.8	7.1	3.2	-	-			-	-	-	-	-	-			-	-	-	-	-	-
120		6.0	7.3	8.4	5.0	7.1	7.5	128		3.0	4.3	5.5	-	-	-			-	-	-	-	-	-			-	-	-	-	-	-
128		4.6	5.8	6.9	3.7	6.1	7.4	136		-	3.1	4.2	-	-	-			-	-	-	-	-	-			-	-	-	-	-	-
136		3.5	4.7	5.6	2.7	4.7	6.5	144		-	-	2.9	-	-	-			-	-	-	-	-	-			-	-	-	-	-	-
144		2.5	3.6	4.2	-	3.6	5.4			-	-	-	-	-	-			-	-	-	-	-	-			-	-	-	-	-	-
152		-	-	3.2	-	-	4.3			-	-	-	-	-	-			-	-	-	-	-	-			-	-	-	-	-	-
160		-	-	-	-	-	3.2			-	-	-	-	-	-			-	-	-	-	-	-			-	-	-	-	-	-



Operation

HAV-VA



Operation

HAV-VA

101,400 lbs  26.70 ft x 24.60 ft								360° ASME B30.5							
 40.7 ft								 121.4 ft							
 76.8 ft				 108.3 ft				 76.8 ft				 108.3 ft			
0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°	
ft 1,000 lbs								ft 1,000 lbs							
16	38.0	-	-	-	-	-	-	36	21.4	-	-	-	-	-	-
18	36.5	-	-	-	-	-	-	40	21.1	-	-	11.9	-	-	-
20	35.0	-	-	17.2	-	-	-	48	20.8	-	-	11.8	-	-	-
24	32.0	-	-	16.8	-	-	-	56	19.9	17.7	-	11.6	-	-	-
28	28.8	-	-	16.4	-	-	-	64	18.7	16.4	14.5	11.3	-	-	-
32	25.9	22.4	-	16.1	-	-	-	72	17.4	15.0	13.7	11.0	10.2	-	-
36	23.6	20.7	-	15.9	-	-	-	80	16.1	14.0	12.9	10.7	9.6	-	-
40	21.5	19.0	17.5	15.5	-	-	-	88	14.8	13.2	12.2	10.1	8.9	-	-
48	18.0	16.6	15.4	14.1	13.0	-	-	96	13.8	12.4	11.5	9.4	8.3	-	-
56	15.6	14.4	13.7	12.5	11.5	-	-	104	12.9	11.6	10.9	8.9	7.8	-	-
64	13.6	12.8	12.4	11.1	10.2	-	-	112	12.1	11.0	10.3	8.3	7.3	-	-
72	12.2	11.5	11.1	9.9	9.1	-	-	120	11.3	10.5	10.0	7.9	6.9	-	-
80	10.9	10.4	10.2	8.9	8.3	-	-	128	10.6	9.9	9.6	7.5	6.5	-	-
88	9.8	9.4	9.4	7.9	7.4	-	-	136	10.0	9.4	9.2	7.0	6.2	-	-
96	8.8	8.8	-	7.1	6.6	-	-	144	9.5	9.1	8.8	6.6	5.8	-	-
104	8.2	8.2	-	6.5	6.0	-	-	152	9.0	8.6	8.5	6.1	5.5	-	-
112	-	-	-	5.7	5.5	-	-	160	8.3	8.3	5.6	5.8	5.2	-	-
120	-	-	-	5.2	5.2	-	-	168	7.4	7.6	-	5.4	5.0	-	-
128	-	-	-	5.0	4.7	-	-	176	6.7	6.9	-	5.1	4.9	-	-
136	-	-	-	4.5	-	-	-	184	2.6	2.7	-	4.8	4.6	-	-
								192	-	-	-	4.6	4.4	-	-
								200	-	-	-	4.3	4.2	-	-
								208	-	-	-	4.0	-	-	-
								216	-	-	-	3.6	-	-	-

 202.1 ft							
 76.8 ft				 108.3 ft			
0°	20°	40°		0°	20°	40°	
ft 1,000 lbs							
64	7.5	-	-	-	-	-	-
72	7.5	-	-	3.7	-	-	-
80	7.5	7.3	-	3.7	-	-	-
88	7.5	7.3	6.4	3.7	-	-	-
96	7.5	7.3	6.3	3.7	-	-	-
104	7.5	7.3	6.2	3.7	3.7	-	-
112	7.5	7.3	6.0	3.7	3.7	-	-
120	7.5	7.3	6.0	3.7	3.7	-	-
128	7.5	7.3	5.8	3.7	3.7	-	-
136	7.3	7.3	5.7	3.7	3.7	-	-
144	6.9	6.9	5.7	3.7	3.7	-	-
152	6.5	6.5	5.5	3.7	3.7	-	-
160	5.9	6.1	5.5	3.7	3.7	-	-
168	5.0	5.6	5.4	3.6	3.7	-	-
176	4.1	4.7	5.3	3.3	3.7	-	-
184	3.5	3.8	4.4	-	3.5	-	-
192	-	3.2	3.4	-	-	-	-
200	-	2.7	2.9	-	-	-	-

 223.1 ft			
 76.8 ft			
	0°	20°	40°
ft	1,000 lbs		
72	4.9	-	-
80	4.9	-	-
88	4.9	-	-
96	4.9	-	-
104	4.9	-	-
112	4.9	-	-
120	4.9	-	-
128	4.9	-	-
136	4.9	-	-
144	4.9	-	-
152	4.9	-	-
160	4.8	-	-
168	4.2	-	-
176	3.2	-	-



Operation

HAV-VA

71,900 lbs  26.70 ft x 24.60 ft								360° ASME B30.5							
 40.7 ft								 121.4 ft							
 76.8 ft				 108.3 ft				 76.8 ft				 108.3 ft			
0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°	
ft 1,000 lbs								ft 1,000 lbs							
16	38.0	-	-	-	-	-		36	21.4	-	-	-	-	-	
18	36.5	-	-	-	-	-		40	21.1	-	-	11.9	-	-	
20	35.0	-	-	17.2	-	-		48	20.8	-	-	11.8	-	-	
24	32.0	-	-	16.8	-	-		56	19.9	17.7	-	11.6	-	-	
28	28.8	-	-	16.4	-	-		64	18.7	16.4	14.5	11.3	-	-	
32	25.9	22.4	-	16.1	-	-		72	17.4	15.0	13.7	11.0	10.2	-	
36	23.6	20.7	-	15.9	-	-		80	16.1	14.0	12.9	10.7	9.6	-	
40	21.5	19.0	17.5	15.5	-	-		88	14.8	13.2	12.2	10.1	8.9	-	
48	18.0	16.6	15.4	14.1	13.0	-		96	13.8	12.4	11.5	9.4	8.3	-	
56	15.6	14.4	13.7	12.5	11.5	-		104	12.9	11.6	10.9	8.9	7.8	-	
64	13.6	12.8	12.4	11.1	10.2	-		112	12.1	11.0	10.3	8.3	7.3	-	
72	12.2	11.5	11.1	9.9	9.1	-		120	11.2	10.5	10.0	7.9	6.9	-	
80	10.9	10.4	10.2	8.9	8.3	-		128	10.2	9.8	9.6	7.5	6.5	-	
88	9.8	9.4	9.4	7.9	7.4	-		136	8.7	9.2	9.1	7.0	6.2	-	
96	8.8	8.8	-	7.1	6.6	-		144	7.3	8.0	8.4	6.6	5.8	-	
104	8.2	8.2	-	6.5	6.0	-		152	6.6	6.9	7.1	6.1	5.5	-	
112	-	-	-	5.7	5.5	-		160	6.1	6.1	5.6	5.4	5.2	-	
120	-	-	-	5.2	5.2	-		168	5.1	5.5	-	4.8	4.9	-	
128	-	-	-	5.0	4.7	-		176	4.7	4.7	-	4.3	4.5	-	
136	-	-	-	4.5	-	-		184	2.6	2.7	-	3.5	4.0	-	
								192	-	-	-	3.0	3.4	-	
								200	-	-	-	2.6	3.0	-	

 202.1 ft							
 76.8 ft				 108.3 ft			
0°	20°	40°		0°	20°	40°	
ft 1,000 lbs							
64	7.5	-	-	-	-	-	
72	7.5	-	-	3.7	-	-	
80	7.5	7.3	-	3.7	-	-	
88	7.5	7.3	6.4	3.7	-	-	
96	7.5	7.3	6.3	3.7	-	-	
104	7.5	7.3	6.2	3.7	3.7	-	
112	7.5	7.3	6.0	3.7	3.7	-	
120	7.2	7.3	6.0	3.7	3.7	-	
128	6.1	6.9	5.8	3.7	3.7	-	
136	4.9	6.0	5.7	3.3	3.7	-	
144	3.8	4.9	5.5	2.3	3.7	-	
152	2.8	3.9	4.7	-	3.4	-	
160	-	3.0	3.7	-	-	-	

 223.1 ft			
 76.8 ft			
	0°	20°	40°
ft	1,000 lbs		
72	4.9	-	-
80	4.9	-	-
88	4.9	-	-
96	4.9	-	-
104	4.9	-	-
112	4.9	-	-
120	4.9	-	-
128	4.4	-	-
136	3.3	-	-



Operation

HAV-VA

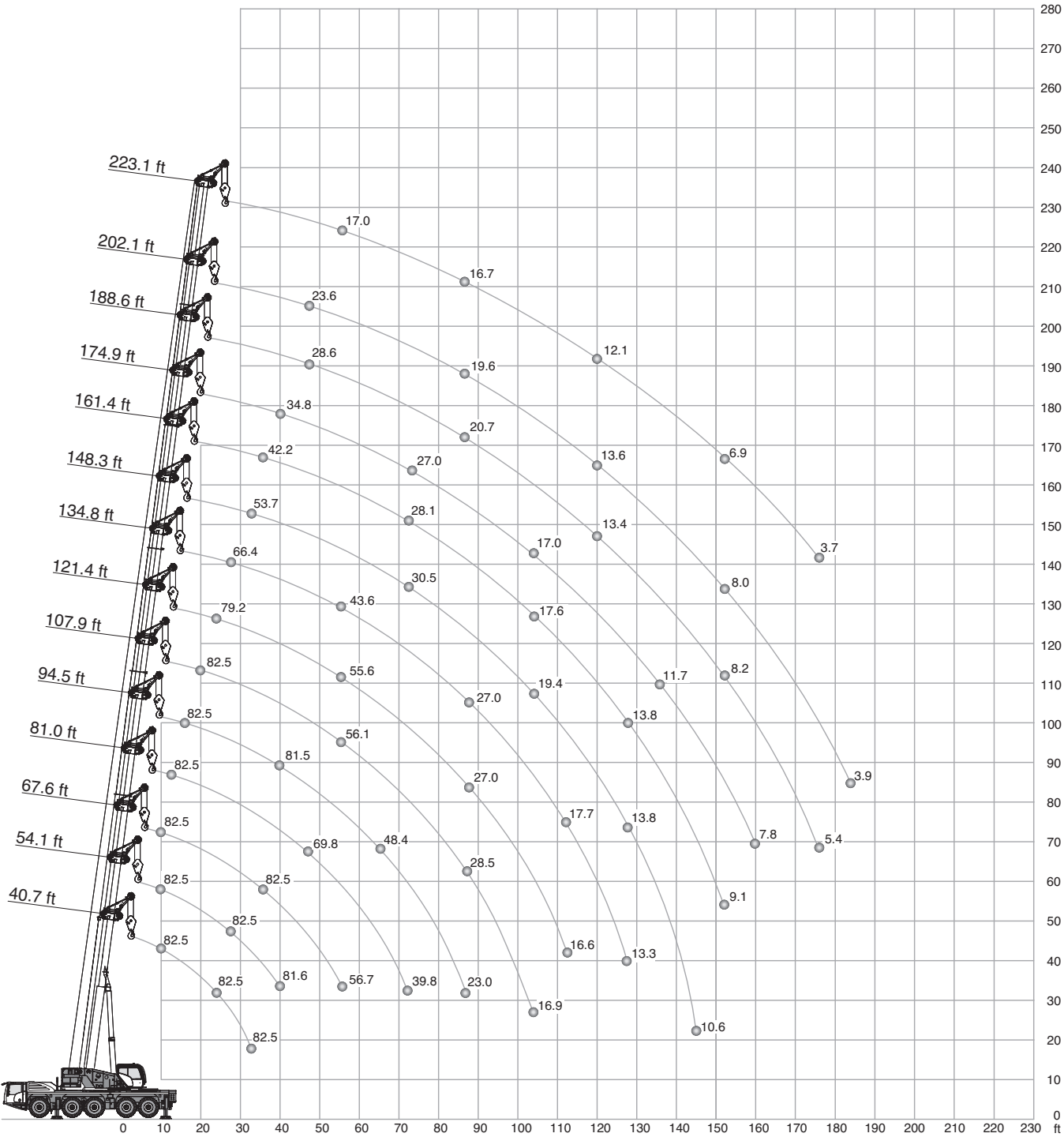
56,000 lbs								26.70 ft x 24.60 ft								360°								ASME B30.5							
40.7 ft								121.4 ft																							
		76.8 ft			108.3 ft					76.8 ft			108.3 ft					76.8 ft			108.3 ft					76.8 ft			108.3 ft		
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°
ft		1,000 lbs						ft		1,000 lbs						ft		1,000 lbs						ft		1,000 lbs					
16		38.0	-	-	-	-	-	36		21.4	-	-	-	-	-	40		21.1	-	-	11.9	-	-	48		20.8	-	-	11.8	-	-
18		36.5	-	-	-	-	-	40		20.8	-	-	-	-	-	56		19.9	17.7	-	11.6	-	-	64		18.7	16.4	14.5	11.3	-	-
20		35.0	-	-	17.2	-	-	48		20.8	-	-	-	-	-	64		18.7	16.4	14.5	11.3	-	-	72		17.4	15.0	13.7	11.0	10.2	-
24		32.0	-	-	16.8	-	-	56		19.9	17.7	-	-	-	-	80		16.1	14.0	12.9	10.7	9.6	-	88		14.8	13.2	12.2	10.1	8.9	-
28		28.8	-	-	16.4	-	-	64		18.7	16.4	14.5	-	-	-	96		13.8	12.4	11.5	9.4	8.3	-	104		12.7	11.6	10.9	8.9	7.8	-
32		25.9	22.4	-	16.1	-	-	72		17.4	15.0	13.7	-	-	-	112		10.9	10.9	10.3	8.3	7.3	-	120		10.9	10.9	10.3	8.3	7.3	-
36		23.6	20.7	-	15.9	-	-	80		16.1	14.0	12.9	-	-	-	128		8.3	8.9	9.0	7.3	6.5	-	136		7.2	7.6	8.0	6.7	6.2	-
40		21.5	19.0	17.5	15.5	-	-	88		14.8	13.2	12.2	-	-	-	144		6.4	6.6	6.8	5.8	5.8	-	152		5.5	5.8	6.0	5.0	5.5	-
48		18.0	16.6	15.4	14.1	13.0	-	96		13.8	12.4	11.5	-	-	-	160		5.0	5.1	5.0	4.4	5.0	-	168		4.2	4.5	-	3.6	4.1	-
56		15.6	14.4	13.7	12.5	11.5	-	104		12.7	11.6	10.9	-	-	-	176		3.8	3.8	-	3.1	3.6	-	184		2.6	2.7	-	2.6	3.0	-
64		13.6	12.8	12.4	11.1	10.2	-	112		10.9	10.9	10.3	-	-	-																
72		12.2	11.5	11.1	9.9	9.1	-	120		9.6	10.0	9.9	-	-	-																
80		10.9	10.4	10.2	8.9	8.3	-	128		8.3	8.9	9.0	-	-	-																
88		9.8	9.4	9.4	7.9	7.4	-	136		7.2	7.6	8.0	-	-	-																
96		8.8	8.8	-	7.1	6.6	-	144		6.4	6.6	6.8	-	-	-																
104		8.2	8.2	-	6.5	6.0	-	152		5.5	5.8	6.0	-	-	-																
112		-	-	-	5.7	5.5	-	160		5.0	5.1	5.0	-	-	-																
120		-	-	-	5.2	5.2	-	168		4.2	4.5	-	-	-	-																
128		-	-	-	5.0	4.7	-	176		3.8	3.8	-	-	-	-																
136		-	-	-	4.5	-	-	184		2.6	2.7	-	-	-	-																

202.1 ft								223.1 ft							
		76.8 ft			108.3 ft					76.8 ft					
		0°	20°	40°	0°	20°	40°			0°	20°	40°			
ft		1,000 lbs						ft		1,000 lbs					
64		7.5	-	-	-	-	-	72		4.9	-	-			
72		7.5	-	-	3.7	-	-	80		4.9	-	-			
80		7.5	7.3	-	3.7	-	-	88		4.9	-	-			
88		7.5	7.3	6.4	3.7	-	-	96		4.9	-	-			
96		7.5	7.3	6.3	3.7	-	-	104		4.9	-	-			
104		7.1	7.3	6.2	3.7	3.7	-	112		4.1	-	-			
112		5.9	7.2	6.0	3.7	3.7	-								
120		4.5	5.9	6.0	-	3.7	-								
128		3.2	4.5	5.4	-	3.6	-								
136		-	3.3	4.4	-	2.9	-								
144		-	2.3	3.1	-	-	-								



Operation

MS



Operation

MS

 101,400 lbs		 26.70 ft x 24.60 ft		360°		ASME B30.5											
 	40.7	54.1	67.6	81.0	94.5	107.9	(ft)		121.4	134.8	148.3	161.4	174.9	188.6	202.1	223.1	
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	79.2	-	-	-	-	-	-	-	-	-	24
28	82.5	82.5	82.5	82.5	82.5	82.5	76.3	66.4	-	-	-	-	-	-	-	-	28
32	82.5	82.5	82.5	82.5	82.5	82.5	74.2	64.6	53.7	-	-	-	-	-	-	-	32
36	-	82.5	82.5	82.5	82.5	82.0	71.7	61.2	52.1	42.2	-	-	-	-	-	-	36
40	-	81.6	81.5	81.6	81.5	80.6	69.0	57.4	50.1	41.3	34.8	-	-	-	-	-	40
48	-	-	68.7	69.8	68.9	67.5	63.0	50.2	44.8	39.0	34.2	28.6	23.6	-	-	-	48
56	-	-	56.7	57.8	56.8	56.1	55.6	43.6	39.6	35.3	32.3	28.1	23.6	17.0	-	-	56
64	-	-	33.2	47.6	48.4	47.9	46.1	37.7	34.9	31.4	29.9	26.8	23.4	17.0	64	-	64
72	-	-	-	39.8	40.7	39.6	37.9	33.0	30.5	28.1	27.0	25.0	22.5	17.0	72	-	72
80	-	-	-	-	34.7	33.4	31.8	29.2	26.8	24.7	24.0	22.8	21.1	17.0	80	-	80
88	-	-	-	-	23.0	28.5	27.0	27.0	23.8	21.9	21.5	20.7	19.6	16.7	88	-	88
96	-	-	-	-	-	24.6	23.4	24.0	21.2	19.6	19.0	18.6	18.0	15.8	96	-	96
104	-	-	-	-	-	16.9	22.2	20.7	19.4	17.6	17.0	16.8	16.5	14.7	104	-	104
112	-	-	-	-	-	-	16.6	17.7	18.0	16.0	15.1	14.9	14.9	13.4	112	-	112
120	-	-	-	-	-	-	9.7	15.7	16.0	14.8	13.8	13.4	13.6	12.1	120	-	120
128	-	-	-	-	-	-	-	13.3	13.8	13.8	12.7	12.3	12.0	10.9	128	-	128
136	-	-	-	-	-	-	-	9.4	12.0	12.1	11.7	11.1	10.1	9.7	136	-	136
144	-	-	-	-	-	-	-	-	10.6	10.6	10.2	9.6	8.9	8.4	144	-	144
152	-	-	-	-	-	-	-	-	-	9.1	8.9	8.2	8.0	6.9	152	-	152
160	-	-	-	-	-	-	-	-	-	-	7.8	6.9	6.9	5.7	160	-	160
168	-	-	-	-	-	-	-	-	-	-	-	5.9	5.7	4.6	168	-	168
176	-	-	-	-	-	-	-	-	-	-	-	5.4	4.8	3.7	176	-	176
184	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	184	-	184
1)	39.0	29.1	22.9	18.1	14.6	11.5	9.0	6.8	4.9	3.7	-	-	-	-	1)	-	1)

1) Capacities with horizontal boom



Operation

MS

 71,900 lbs		 26.70 ft x 24.60 ft						360°						ASME B30.5			
 	40.7	54.1	67.6	81.0	94.5	107.9	(ft)		121.4	134.8	148.3	161.4	174.9	188.6	202.1	223.1	
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	79.2	-	-	-	-	-	-	-	-	-	24
28	82.5	82.5	82.5	82.5	82.5	82.5	76.3	66.4	-	-	-	-	-	-	-	-	28
32	82.5	82.5	82.5	82.5	82.5	82.5	74.2	64.6	53.7	-	-	-	-	-	-	-	32
36	-	81.5	81.0	81.5	81.1	79.3	71.7	61.2	52.1	42.2	-	-	-	-	-	-	36
40	-	78.7	77.6	78.8	77.8	74.5	68.6	57.4	50.1	41.3	34.8	-	-	-	-	-	40
48	-	-	59.2	58.7	57.4	58.7	57.0	50.2	44.8	39.0	34.2	28.6	23.6	-	-	-	48
56	-	-	45.9	47.3	47.1	45.9	43.9	42.2	39.6	35.3	32.3	28.1	23.6	17.0	-	-	56
64	-	-	30.1	38.5	37.8	36.7	34.7	34.4	33.0	31.4	29.9	26.8	23.4	17.0	-	-	64
72	-	-	-	31.7	31.0	29.9	29.6	29.2	27.3	27.0	26.5	25.0	22.5	17.0	-	-	72
80	-	-	-	-	26.0	25.2	25.8	24.2	24.0	22.6	22.6	22.3	21.1	17.0	-	-	80
88	-	-	-	-	16.0	22.8	22.0	21.0	20.8	20.0	19.4	19.2	18.9	16.7	-	-	88
96	-	-	-	-	-	19.9	18.6	18.8	17.3	17.5	17.0	16.4	15.7	14.8	-	-	96
104	-	-	-	-	-	13.8	16.3	16.2	15.8	14.9	14.8	13.6	13.5	12.2	-	-	104
112	-	-	-	-	-	-	10.5	14.0	14.0	13.3	12.7	12.0	11.3	10.0	-	-	112
120	-	-	-	-	-	-	9.7	12.5	11.9	11.5	11.0	10.6	9.3	8.2	-	-	120
128	-	-	-	-	-	-	-	10.0	10.4	9.7	9.8	8.8	7.5	6.4	-	-	128
136	-	-	-	-	-	-	-	9.4	9.3	8.3	8.3	7.4	6.0	4.9	-	-	136
144	-	-	-	-	-	-	-	-	5.8	7.5	7.1	6.0	4.7	3.6	-	-	144
152	-	-	-	-	-	-	-	-	-	4.7	5.8	4.9	3.6	-	-	-	152
160	-	-	-	-	-	-	-	-	-	-	5.0	3.9	-	-	-	-	160
1)	39.0	29.1	22.9	18.1	14.6	11.5	9.0	6.8	4.9	3.7	-	-	-	-	-	-	1)

1) Capacities with horizontal boom



Operation

MS

 56,000 lbs		 26.70 ft x 24.60 ft		360°		ASME B30.5											
 	40.7	54.1	67.6	81.0	94.5	107.9	(ft)		121.4	134.8	148.3	161.4	174.9	188.6	202.1	223.1	
ft	1,000 lbs																ft
10	82.5	82.5	82.5	-	-	-	1,000 lbs		-	-	-	-	-	-	-	-	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	79.2	-	-	-	-	-	-	-	-	-	24
28	82.5	82.5	82.5	82.5	82.5	82.5	76.3	66.4	-	-	-	-	-	-	-	-	28
32	82.5	82.5	82.5	82.5	82.5	82.5	74.2	64.6	53.7	-	-	-	-	-	-	-	32
36	-	76.2	76.6	76.3	75.7	73.8	69.2	61.2	52.1	42.2	-	-	-	-	-	-	36
40	-	68.1	68.8	68.3	67.0	65.8	63.2	57.1	50.1	41.3	34.8	-	-	-	-	-	40
48	-	-	50.8	52.4	51.9	50.6	48.6	46.2	43.5	38.9	34.2	28.6	23.6	-	-	-	48
56	-	-	40.7	40.7	40.1	39.0	37.6	37.0	35.5	33.5	31.5	28.1	23.6	17.0	-	-	56
64	-	-	24.0	32.6	31.9	30.8	31.4	30.1	29.0	28.1	27.5	25.8	23.4	17.0	-	-	64
72	-	-	-	26.6	25.9	27.0	25.9	24.7	24.8	23.9	23.4	23.2	21.7	17.0	-	-	72
80	-	-	-	-	22.9	22.6	21.5	21.9	20.7	20.4	20.6	19.2	18.5	16.5	-	-	80
88	-	-	-	-	14.4	19.1	19.1	18.3	18.2	17.6	17.0	16.6	15.2	13.3	-	-	88
96	-	-	-	-	-	16.1	16.5	16.1	15.3	14.8	14.5	13.9	12.4	10.7	-	-	96
104	-	-	-	-	-	13.8	14.0	14.0	13.3	12.3	12.4	11.3	10.0	8.4	-	-	104
112	-	-	-	-	-	-	10.5	11.8	11.1	10.9	10.3	9.4	8.1	6.5	-	-	112
120	-	-	-	-	-	-	9.7	10.2	9.4	9.5	8.4	7.6	6.2	4.9	-	-	120
128	-	-	-	-	-	-	-	8.7	7.9	7.9	6.9	6.1	4.7	3.5	-	-	128
136	-	-	-	-	-	-	-	7.5	6.6	6.6	5.8	4.7	3.4	-	-	-	136
144	-	-	-	-	-	-	-	-	3.4	5.6	4.7	3.6	2.3	-	-	-	144
152	-	-	-	-	-	-	-	-	-	-	3.6	-	-	-	-	-	152
160	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	160
1)	39.0	29.1	22.9	18.1	14.6	11.5	9.0	6.8	4.9	3.7	-	-	-	-	-	-	1)

1) Capacities with horizontal boom



Operation

MS

 13,900 lbs		 26.70 ft x 24.60 ft										360°			ASME B30.5		
 	40.7	54.1	67.6	81.0	94.5	107.9	(ft) 121.4 134.8		148.3	161.4	174.9	188.6	202.1	223.1			
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	81.3	79.4	78.8	73.1	-	-	-	-	-	-	-	24		
28	73.3	75.3	75.7	72.0	70.4	65.1	60.8	56.6	-	-	-	-	-	-	28		
32	55.4	59.0	60.3	61.6	57.8	53.8	51.2	47.9	43.7	-	-	-	-	-	32		
36	-	48.0	50.5	50.7	48.6	46.0	44.6	41.0	38.7	35.2	-	-	-	-	36		
40	-	39.1	40.7	40.9	40.5	41.0	38.1	36.9	35.0	33.1	30.9	-	-	-	40		
48	-	-	29.8	30.8	30.6	30.0	30.3	29.4	27.6	26.7	24.6	22.3	19.4	-	48		
56	-	-	22.6	23.4	23.3	23.5	23.4	22.6	21.5	20.7	18.9	16.8	14.5	12.2	56		
64	-	-	17.5	18.1	18.5	18.4	18.2	17.5	16.7	16.2	14.5	12.5	10.3	8.0	64		
72	-	-	-	14.2	14.6	14.4	14.2	13.5	12.7	12.4	10.9	8.9	6.9	4.9	72		
80	-	-	-	-	11.5	11.3	11.1	10.4	9.5	9.5	8.2	6.5	4.5	-	80		
88	-	-	-	-	9.2	9.0	8.8	8.1	7.2	7.2	6.0	4.2	-	-	88		
96	-	-	-	-	-	7.0	6.7	6.1	5.3	5.3	4.2	-	-	-	96		
104	-	-	-	-	-	5.5	5.0	4.4	3.7	3.7	2.8	-	-	-	104		
112	-	-	-	-	-	-	3.9	3.0	-	-	-	-	-	-	112		
1)	39.0	24.3	16.8	11.5	8.2	5.1	2.9	-	-	-	-	-	-	-	1)		

1) Capacities with horizontal boom



Operation

MS

 8,200 lbs		 26.70 ft x 24.60 ft		360°		ASME B30.5												
		40.7	54.1	67.6	81.0	94.5	107.9	(ft)		121.4	134.8	148.3	161.4	174.9	188.6	202.1	223.1	
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	82.5	-	-	-	-	-	-	-	-	-	-	-	16
18	82.5	82.5	82.5	82.5	82.5	82.5	-	-	-	-	-	-	-	-	-	-	-	18
20	82.5	82.5	82.5	82.5	82.3	82.1	-	-	-	-	-	-	-	-	-	-	-	20
24	80.4	81.8	80.8	79.1	77.4	74.0	68.1	-	-	-	-	-	-	-	-	-	-	24
28	66.8	70.7	69.9	67.9	64.1	59.2	55.1	51.9	-	-	-	-	-	-	-	-	-	28
32	49.7	53.4	56.2	55.9	52.2	49.6	47.3	44.5	40.7	-	-	-	-	-	-	-	-	32
36	-	44.0	45.7	45.9	43.7	43.4	39.9	38.6	35.8	33.4	-	-	-	-	-	-	-	36
40	-	35.0	36.8	36.8	38.3	36.6	35.7	34.3	32.4	29.8	27.5	-	-	-	-	-	-	40
48	-	-	27.0	27.9	27.5	27.9	27.6	25.9	24.3	23.5	21.5	19.3	16.8	-	-	-	-	48
56	-	-	20.0	20.8	21.1	21.2	21.0	19.9	18.6	17.9	16.2	14.1	11.8	9.5	-	-	-	56
64	-	-	15.0	15.9	16.5	16.3	15.9	15.2	14.3	13.6	12.0	10.0	7.8	5.6	-	-	-	64
72	-	-	-	12.0	12.6	12.4	12.2	11.5	10.7	10.2	8.7	6.9	4.7	2.7	-	-	-	72
80	-	-	-	-	9.8	9.5	9.3	8.7	7.8	7.6	6.3	4.5	-	-	-	-	-	80
88	-	-	-	-	7.7	7.3	7.1	6.4	5.7	5.6	4.2	-	-	-	-	-	-	88
96	-	-	-	-	-	5.6	5.3	4.7	3.8	3.9	-	-	-	-	-	-	-	96
104	-	-	-	-	-	4.1	3.9	3.1	-	2.4	-	-	-	-	-	-	-	104
1)	34.8	21.4	14.6	9.7	6.6	4.0	-	-	-	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom



Notes to Lifting Capacity

Ratings are in compliance with ASME B30.5.

Lifting capacities do not exceed 85 % of tipping load.

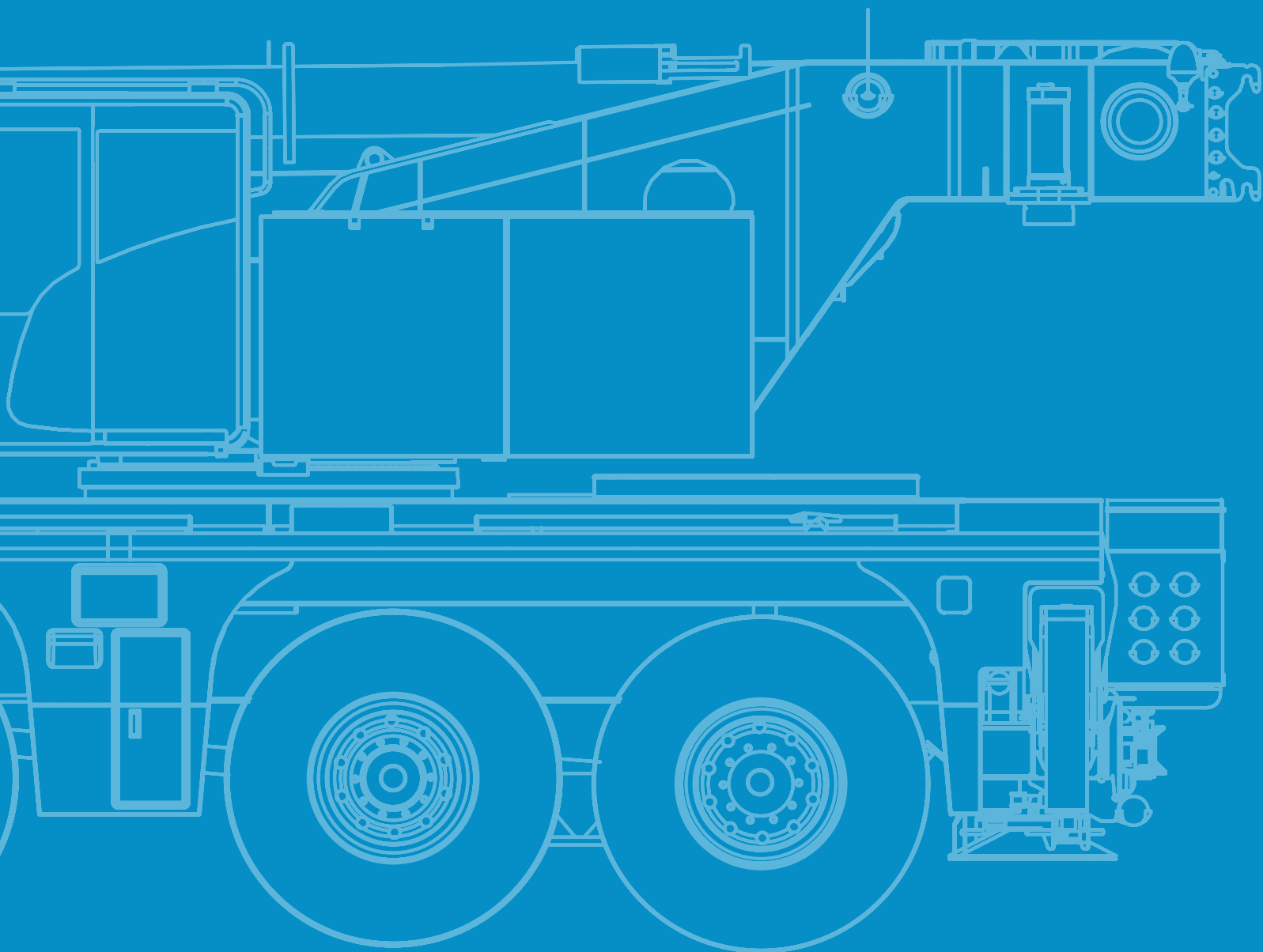
Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.

Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.



TECHNICAL DESCRIPTION



Technical Description

Basic machine

Equipment carrier

Engine 405-5	Scania DC13; Diesel engine; 405 kW / 2100 1/min (550 HP), torque 2476 Nm / 1400 1/min; The engine complies with EU Stage V; Exhaust system complete stainless steel.
Fuel tank	127 gallons Diesel (no RME / biodiesel); 16 gallons AdBlue tank.
Transmission ZF TraXon	Automated gearbox with integrated hydraulic retarder, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable longitudinal lock.
Axles 10 x 6 x 10	All 5 axles steered, axles 2, 4, 5 are driven and dispose of a selectable transverse lock; Axle 4 with selectable longitudinal lock.
Suspension	Hydropneumatic suspension with axle load compensation; Hydraulically lockable.
Steering	Dual-circuit steering system with independent rear axle steering; Axles 1, 2, 3 mechanically connected; Axles 4 and 5 electro-hydraulically connected, all axles steered with 6 different steering programs.
Brakes	Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Hydraulic retarder integrated into transmission as wear-free sustained-action brake; Additional exhaust brake; Parking brake.
Tires	Tires size 385/95 R25 (14.00R25); Steel rim 9,5-25/1,7".
Cab 2550	Type 8.4 ft; Adjustable driver seat, armrests and pneumatic suspension; Height and tilt-adjustable steering wheel; Auxiliary / passenger seat; Powered door windows; Tinted glass; Central door locking; Electrically adjustable rear-view mirrors, heated; Radio; Seat heating; Heating engine-dependent; Aircondition.
Drive lights	Including low beam, upper beam, daytime running lights, fog lights and cornering lights.
Central lubrication	Automatic central lubrication system for the lubricating points at the carrier.
Outriggers	H-4-point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively; 3 outrigger bases: 8.3 ft, 17.4 ft, 24.6 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 HA68	40.7 ft - 223.1 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 4 sheaves integrated in boom head for max. capacity of 168,900 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 71,900 lbs	6 pieces (①-⑥); Automatic rigging system.
Control system	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits.
Operator aids	IC-1, with integrated electronic load moment indicator in accordance with EN13000; Color display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger.
Working range limiter	Displaying and programmability of the work range limits by IC-1.
IC-1 Plus	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 1, 2, 4, 5 are driven and dispose of a selectable transverse lock; Axles 2 and 4 with selectable longitudinal lock.
Additional fuel tank	37 gallons; For 164 gallons diesel total in carrier (no RME/biodiesel).

Superstructure

Heavy lift attachment	2 additional sheaves; Dis-/connectable; For total 6 sheaves at boom head; Max. capacity 244,800 lbs.
2. hoist (H2)	Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. quick couplings and transport rack.
Additional counterweight 29,600 lbs	2 pieces (⊙); For total 101,400 lbs, 8 pieces.
Load supervision camera	Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head.

Handling

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

HAV 37.4 ft	Lattice swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage.
HAV 68.9 ft	Double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage; Includes HAV 37.4 ft.
HAV-VA 88.6 ft	Variable extension; Single piece, 19.7 ft lattice boom extension and double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage for double folding swing-away jib; Includes HAV 37.4 ft and HAV 68.9 ft.
HAV-VA 108.3 ft	Variable extension; Single piece, 39.4 ft lattice boom extension and double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage for double folding swing-away jib; Includes HAV 37.4 ft, HAV 68.9 ft and HAV-VA 76.8 ft.
HAV-HY	Hydraulic offset 0°-40° instead of manual offset 20°/40°; Available for HAV 37.4 ft, HAV 68.9 ft, HAV-VA 88.6 ft, HAV-VA 108.3 ft.
MS (runner)	5.25 ft; Fixed angle runner; 2 sheaves, for max. 86,200 lbs lifting capacity; Incl. transport storage at the left side of main boom; Not transportable within 9 ft crane width.

Hook Blocks

Hook block 352,800 lbs, 7-sheaves	Max. capacity 248,300 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.
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.



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