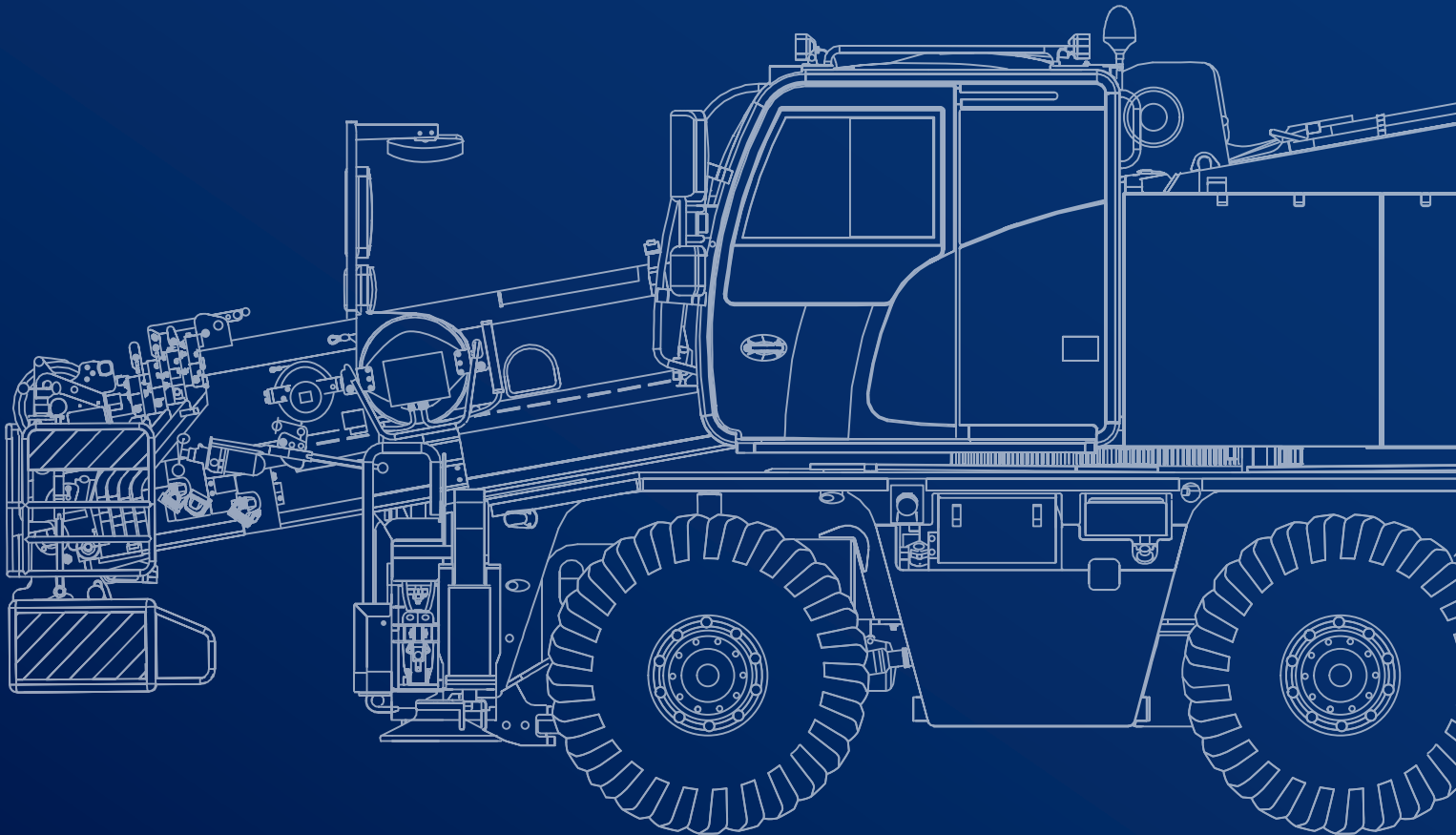


# AC 3.045-1 City

50 US TON MAX. CRANE CAPACITY



- e-PACK
- Suitable for alternative fuels





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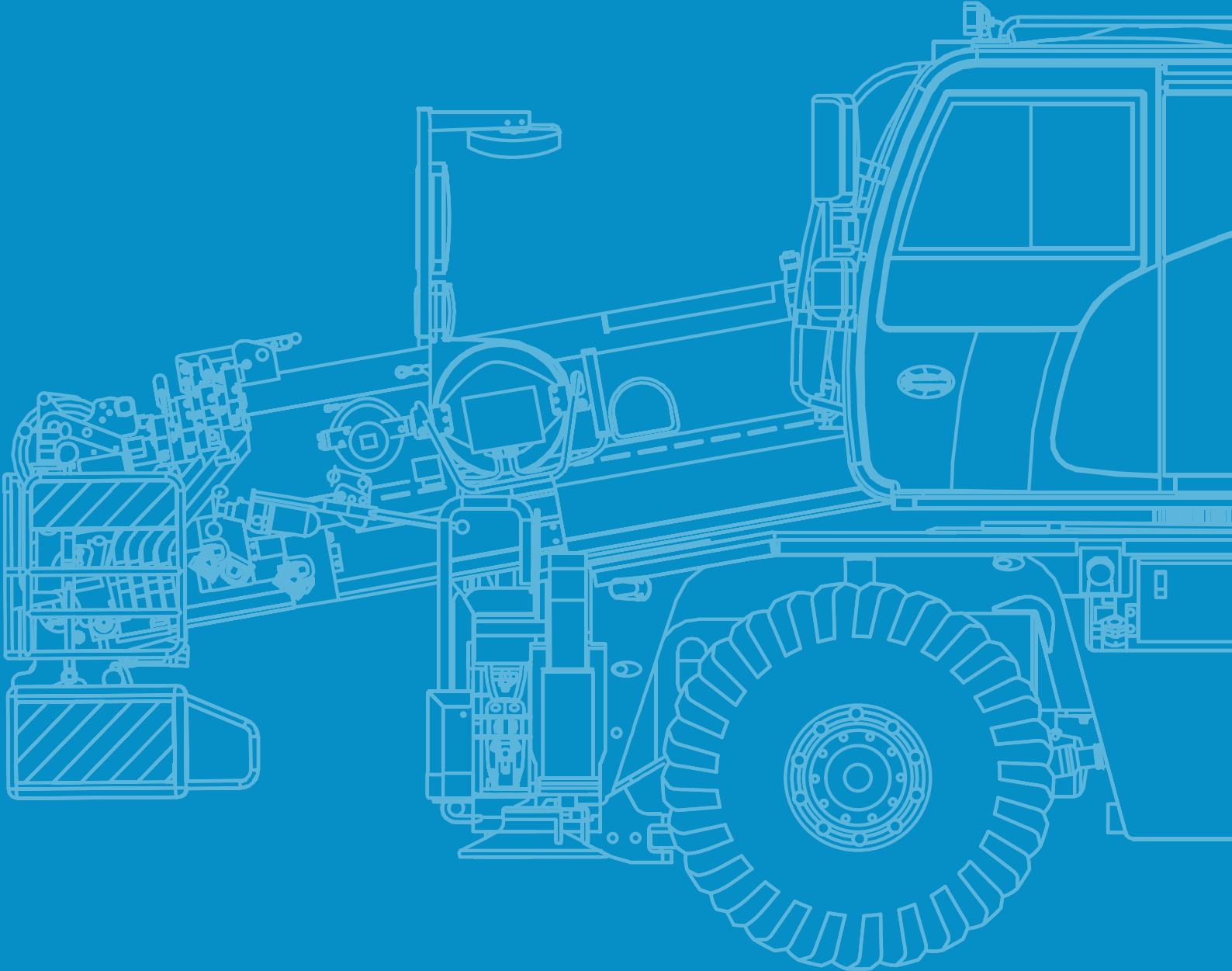
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# Key

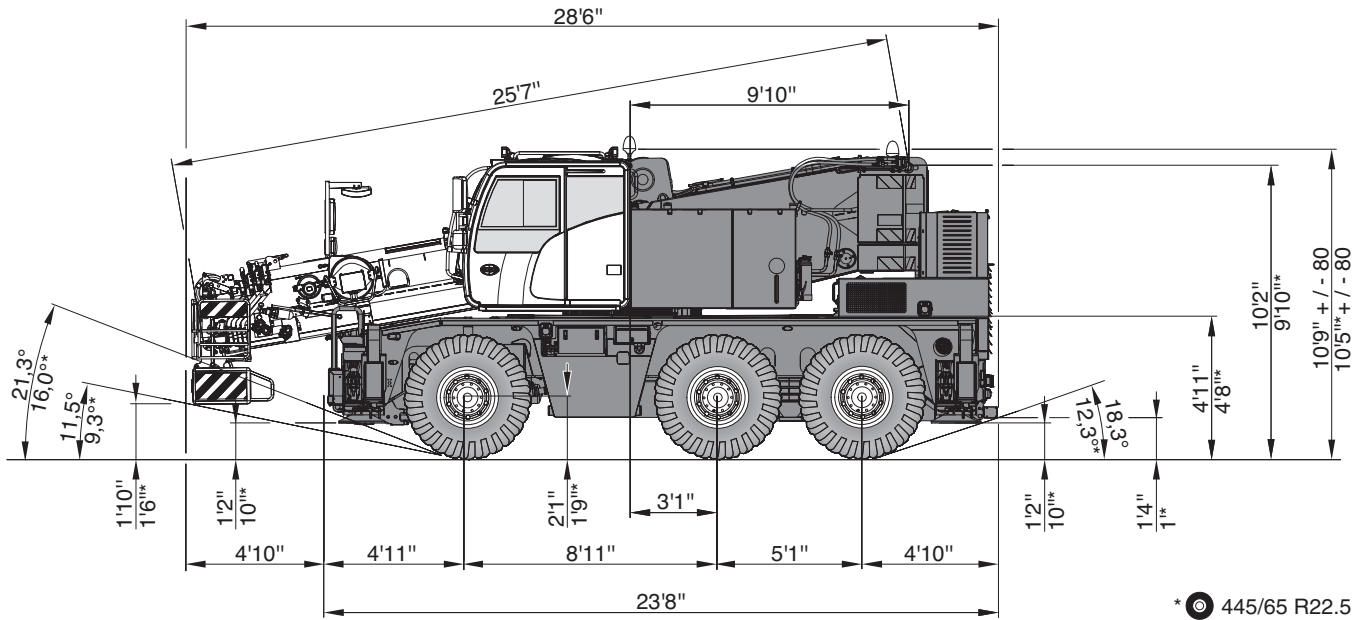
	Counterweight		Boom telescoping
	Lifting capacities on outriggers · 360°		Boom elevation
	Radius		Working speeds
	Main boom		Slewing
	Folding swing-away jib		Max. line pull
	Runner		Rope diameter
	Free on wheels		Rope length
	Max. axle loads		Hook block
	Mechanism		Number of lines
	Tires		Possible load 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)
			Payload incl. rear storage box

# GENERAL TECHNICAL DATA

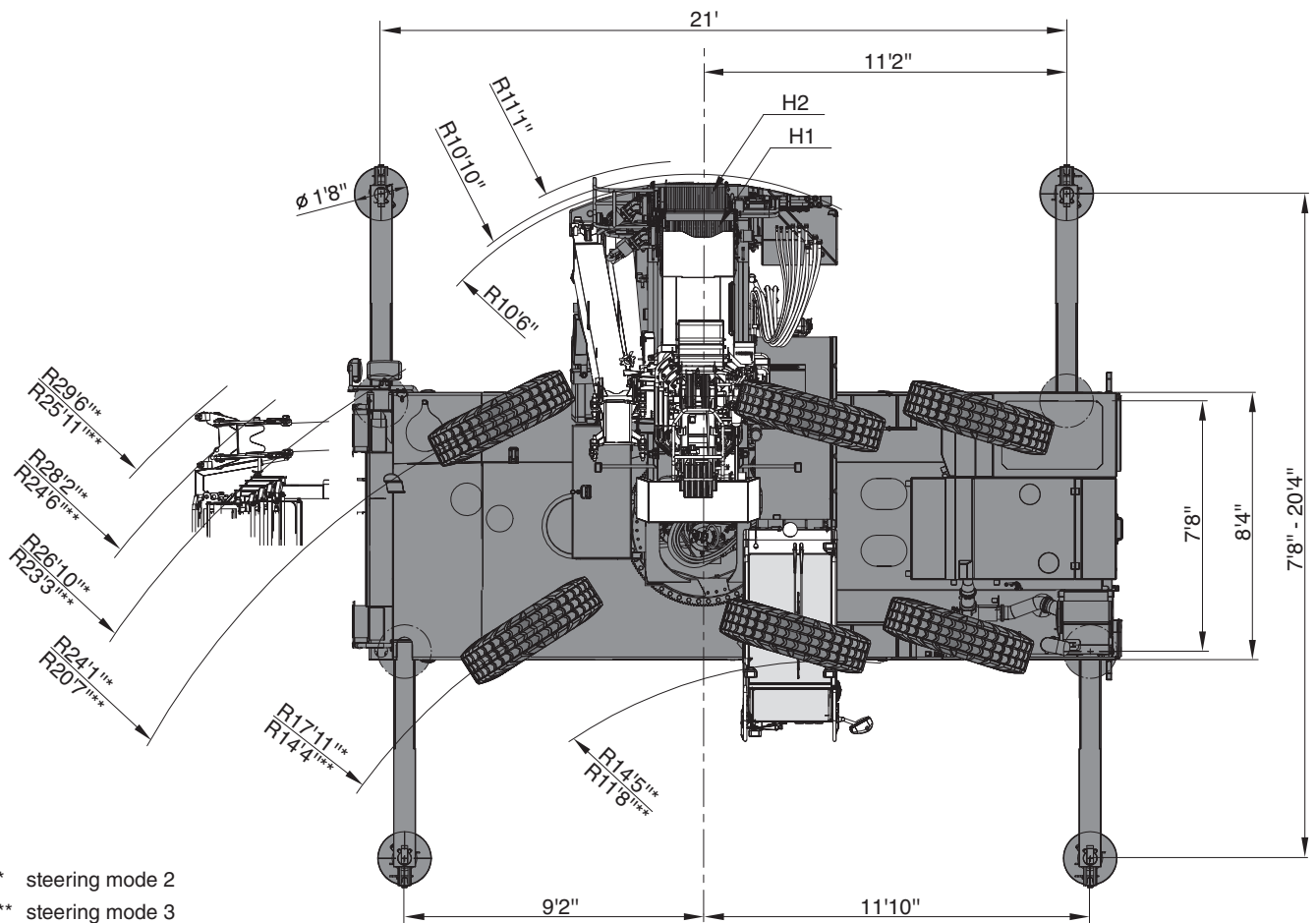


# General

## Vehicle dimensions



\* 445/65 R22.5

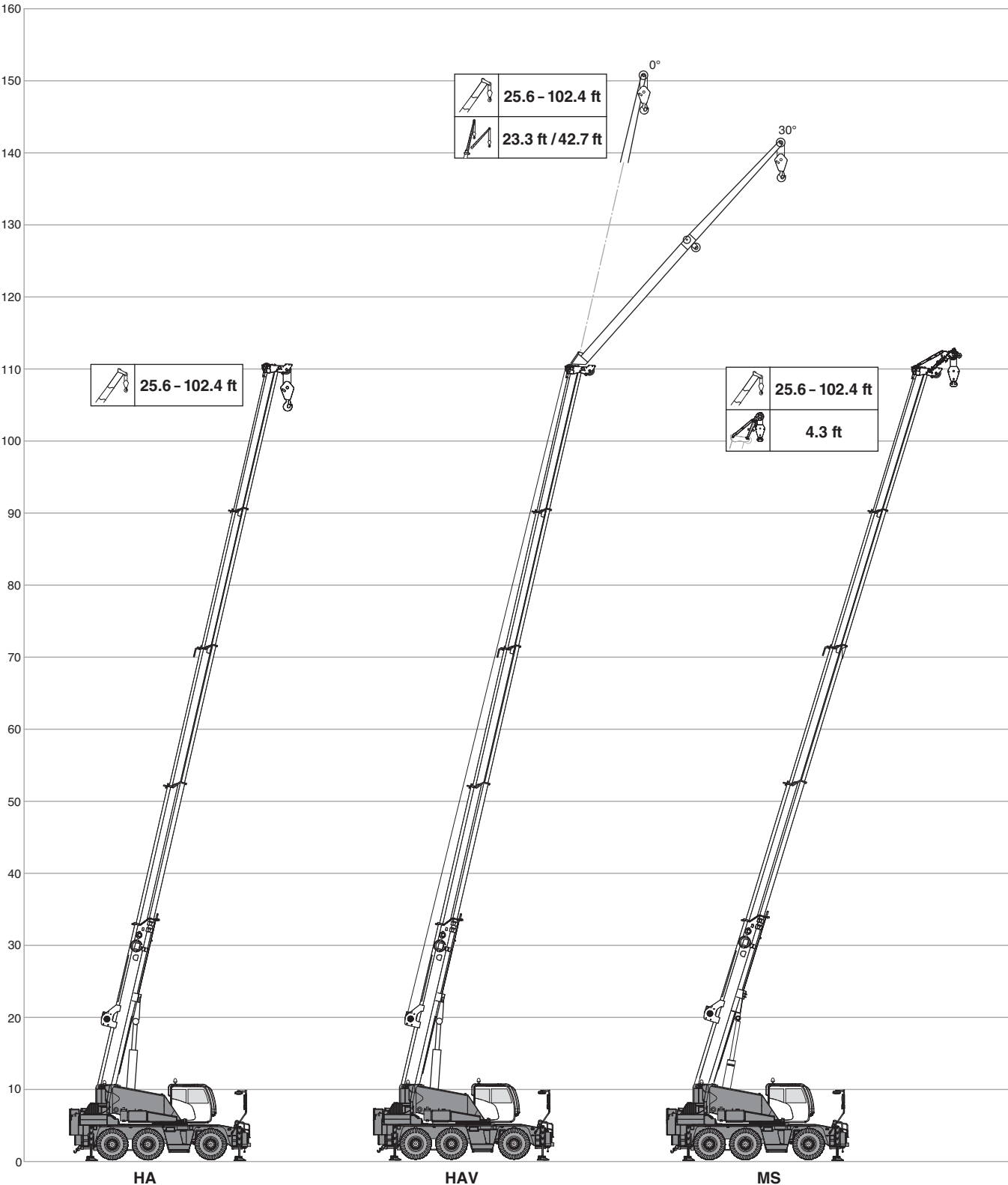


\* steering mode 2

\*\* steering mode 3

# General

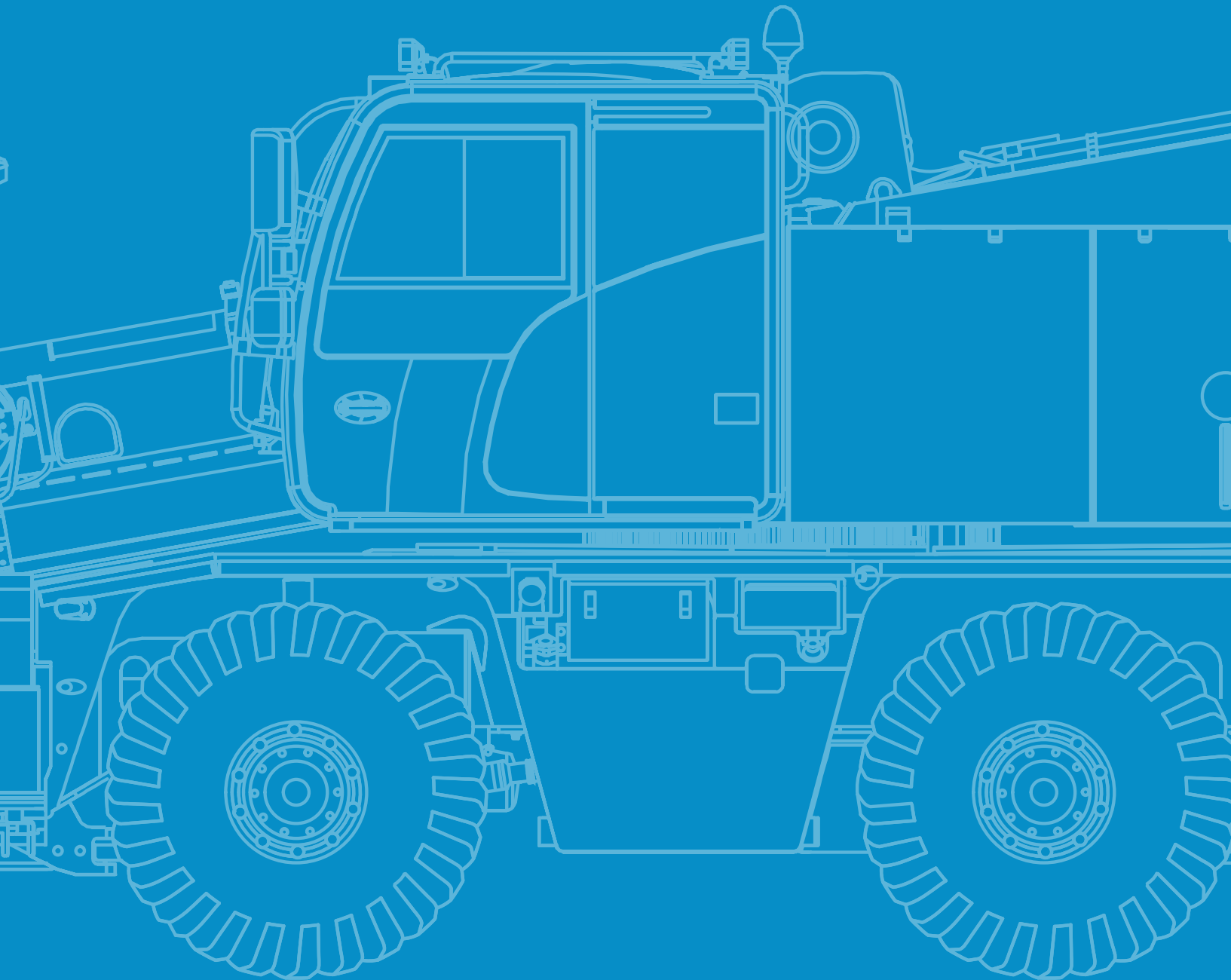
## Boom combinations






















# TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING

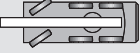
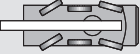
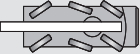
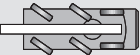




# On-road and off-road driving

Axle loads									
	Total								
< 22,050 lbs	< 57,300 lbs	6 x 6 x 6	385/95R25	102.4 ft	–	–	–	–	–
< 22,050 lbs	< 66,100 lbs	6 x 6 x 6	385/95R25	102.4 ft	70,600 lbs	6,400 lbs	–	X	–
< 26,500 lbs	< 75,000 lbs	6 x 6 x 6	385/95R25	102.4 ft	70,600 lbs	11,700 lbs	42.7 ft	X	880 lbs

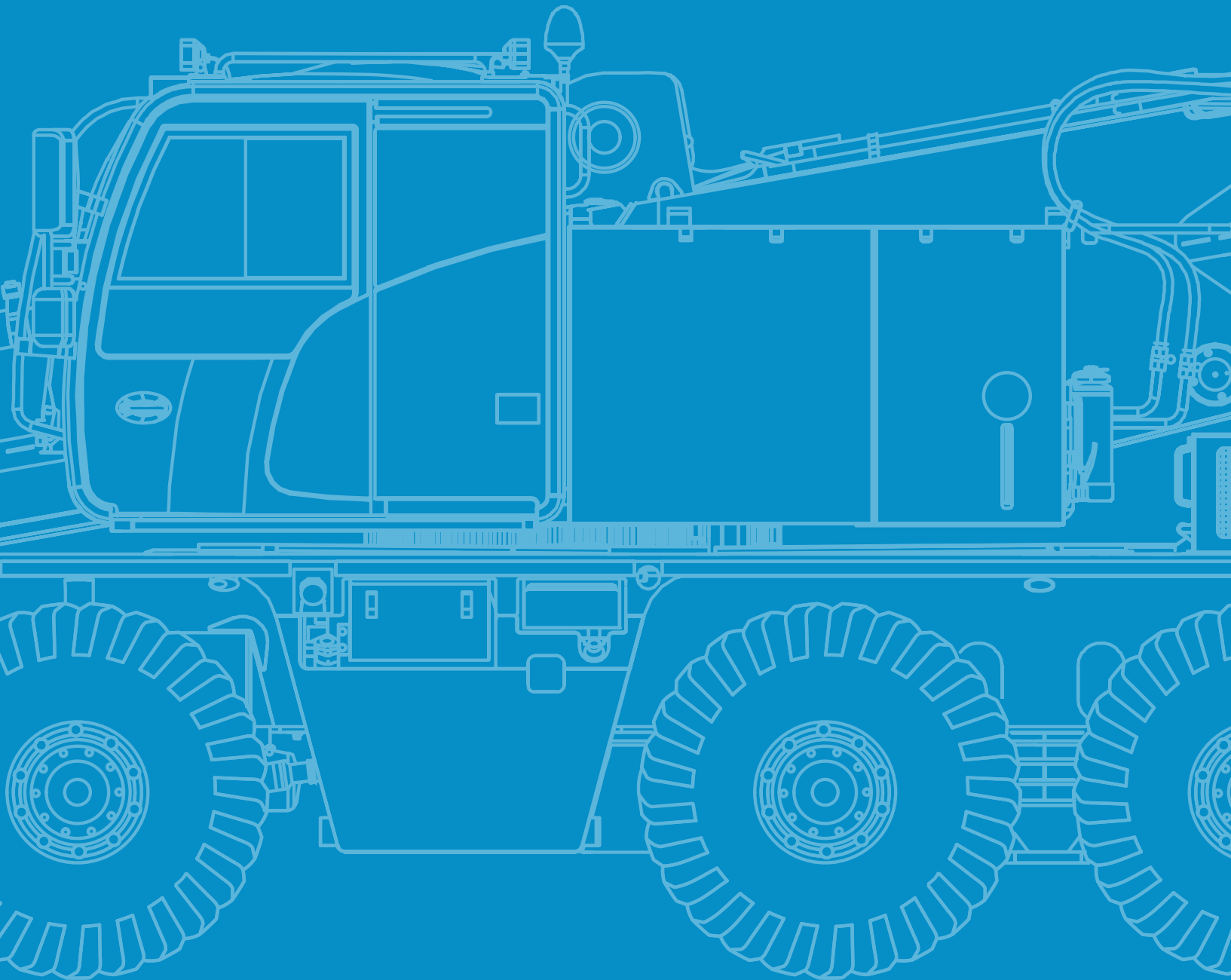
Speeds and gradeability		
	445/65 R 22.5 18.00 R 22.5	385/95 R 25 14.00 R 25
 % 	35 %	29 %
 % 	> 80 %	70 %
	49.7 mph <sup>1)</sup>	

<sup>1)</sup> Depending on tire type, size and country specific legislation

Steering	
	1 Highway > 28 mph
	2 City < 28 mph
	3* Minimum turning radius < 12.4 mph
	4* Off-wall
	5* Crab steer mode
	6* Manually steered

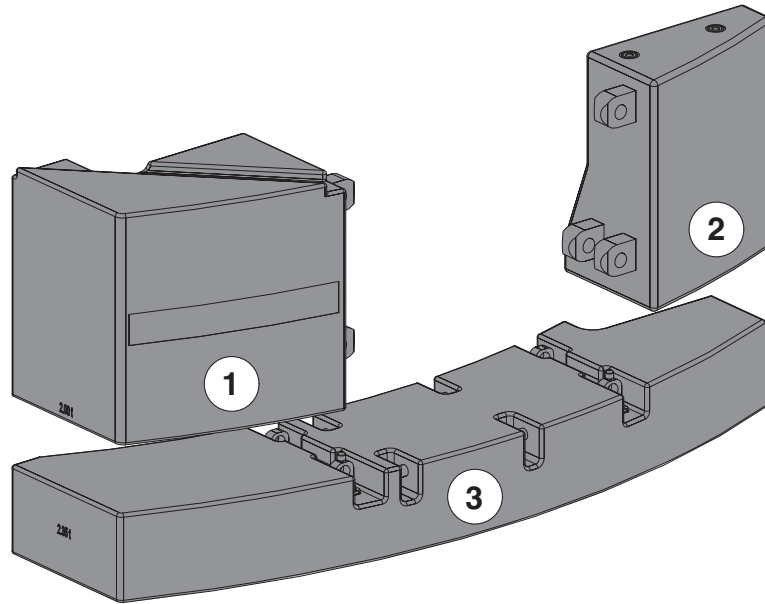
\* must be activated

# TECHNICAL DATA FOR TRANSPORT



# Transportation

## Counterweight

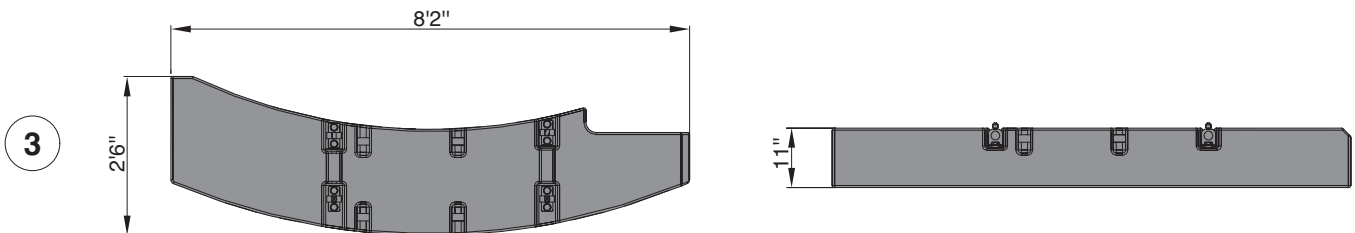
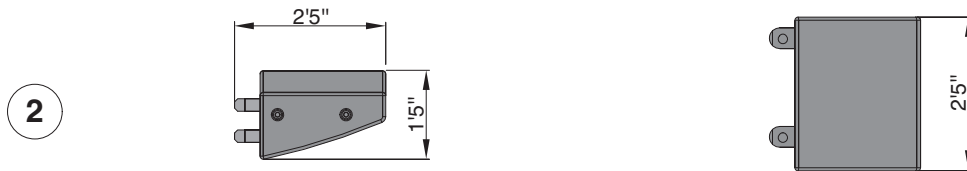
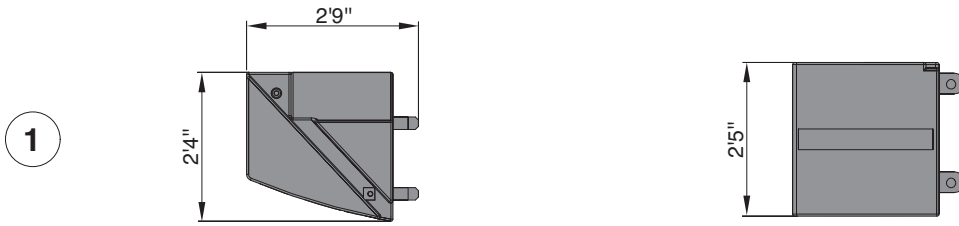


## Configurations

	2,000 lbs	4,400 lbs	5,300 lbs	6,400 lbs	7,300 lbs	9,700 lbs	11,700 lbs
① 4,400 lbs		1		1		1	1
② 2,000 lbs	1			1	1		1
③ 5,300 lbs			1		1	1	1

# Transportation

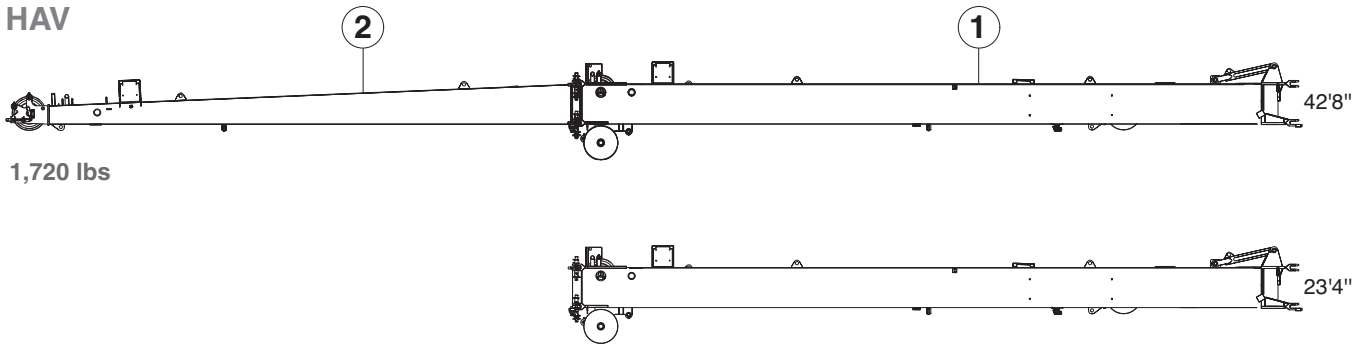
## Counterweight



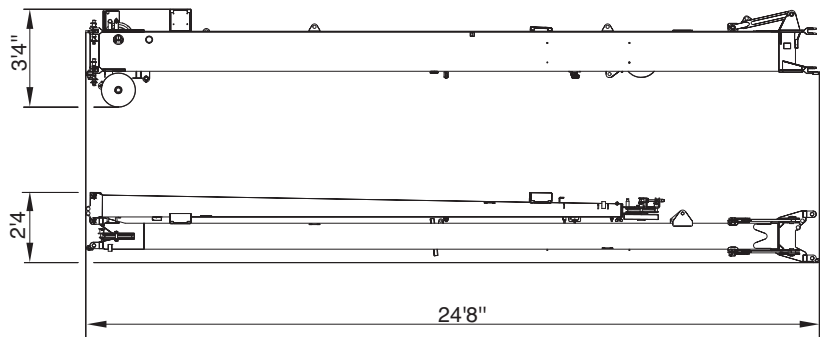
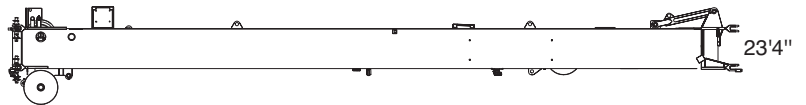
# Transportation

## Jib

### HAV

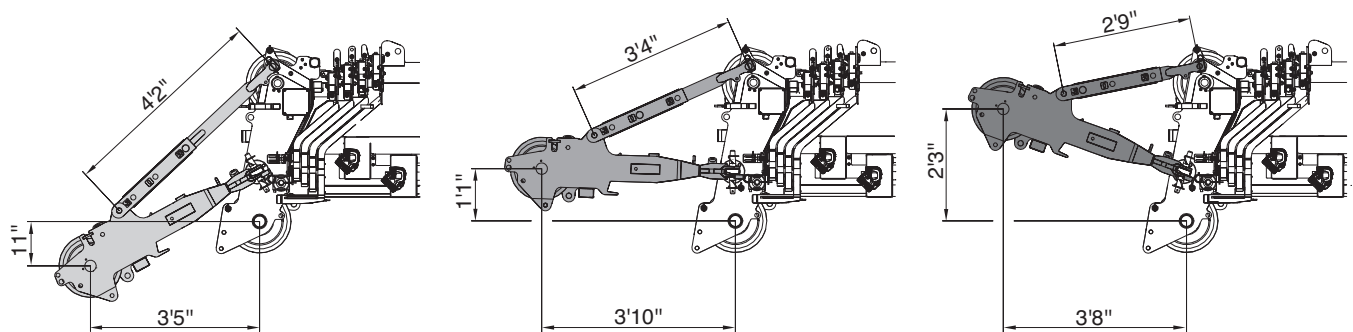


1,720 lbs



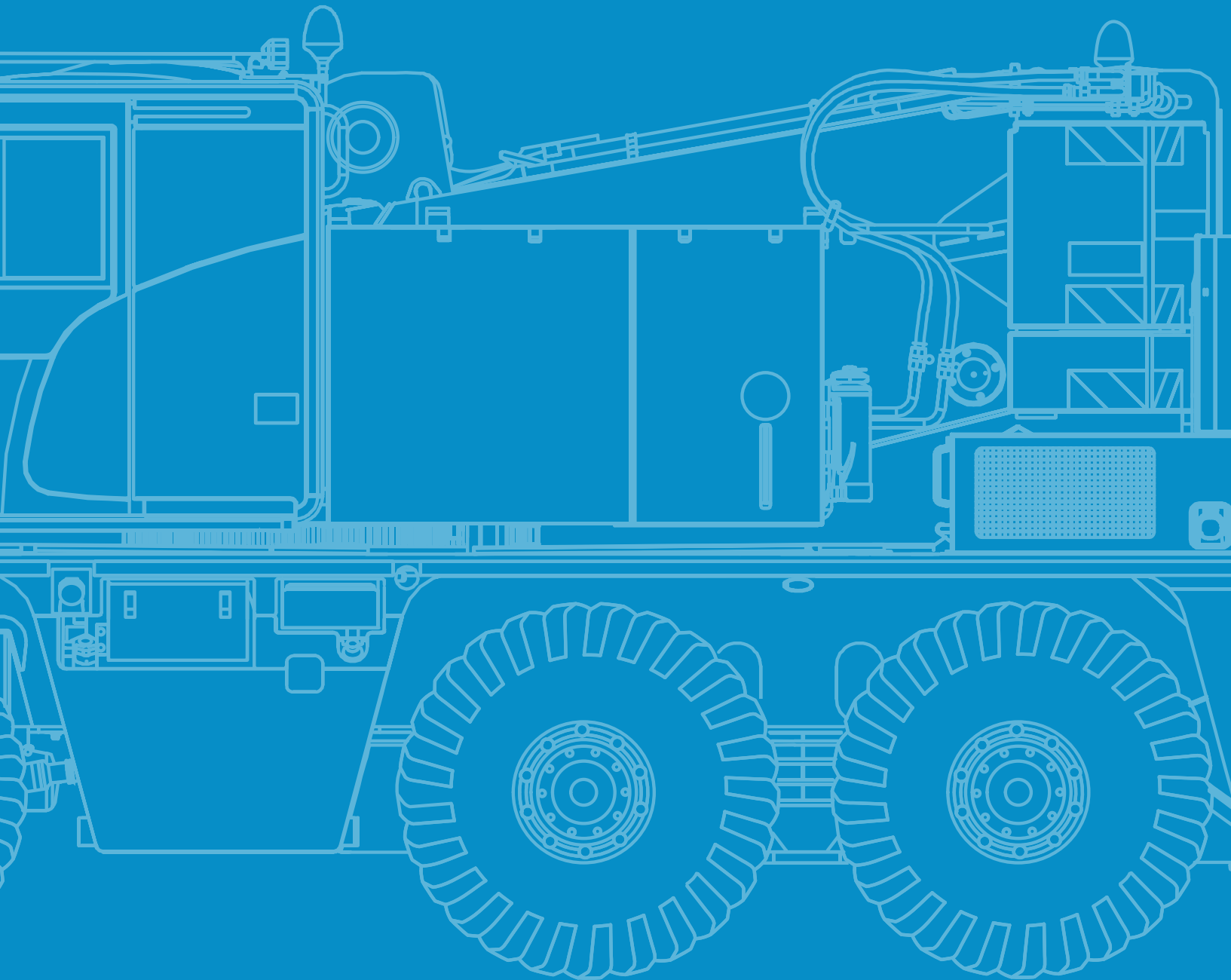
1,210 lbs

### MS



420 lbs

# TECHNICAL DATA FOR OPERATION







# Operation

## Main boom



80 s (25.6 ft – 102.4 ft)



50 s (-10° – 77°)

## Slewing



1,70 min<sup>-1</sup>

## Hoist



1

364 ft/min

9,847 lbf

0.63 in.

459 ft

2

364 ft/min

9,847 lbf

0.63 in.

459 ft

## Outrigger cylinders



70,560 lbs

63,950 lbs



19.7 ft

19.7 ft

## Hook Blocks



11,000 lbs

9,700

–

1

287 lbs

2.6 ft

35,300 lbs

29,000

1

3

496 lbs

3.6 ft

70,600 lbs

66,200

3

7

772 lbs

4.3 ft

110,200 lbs

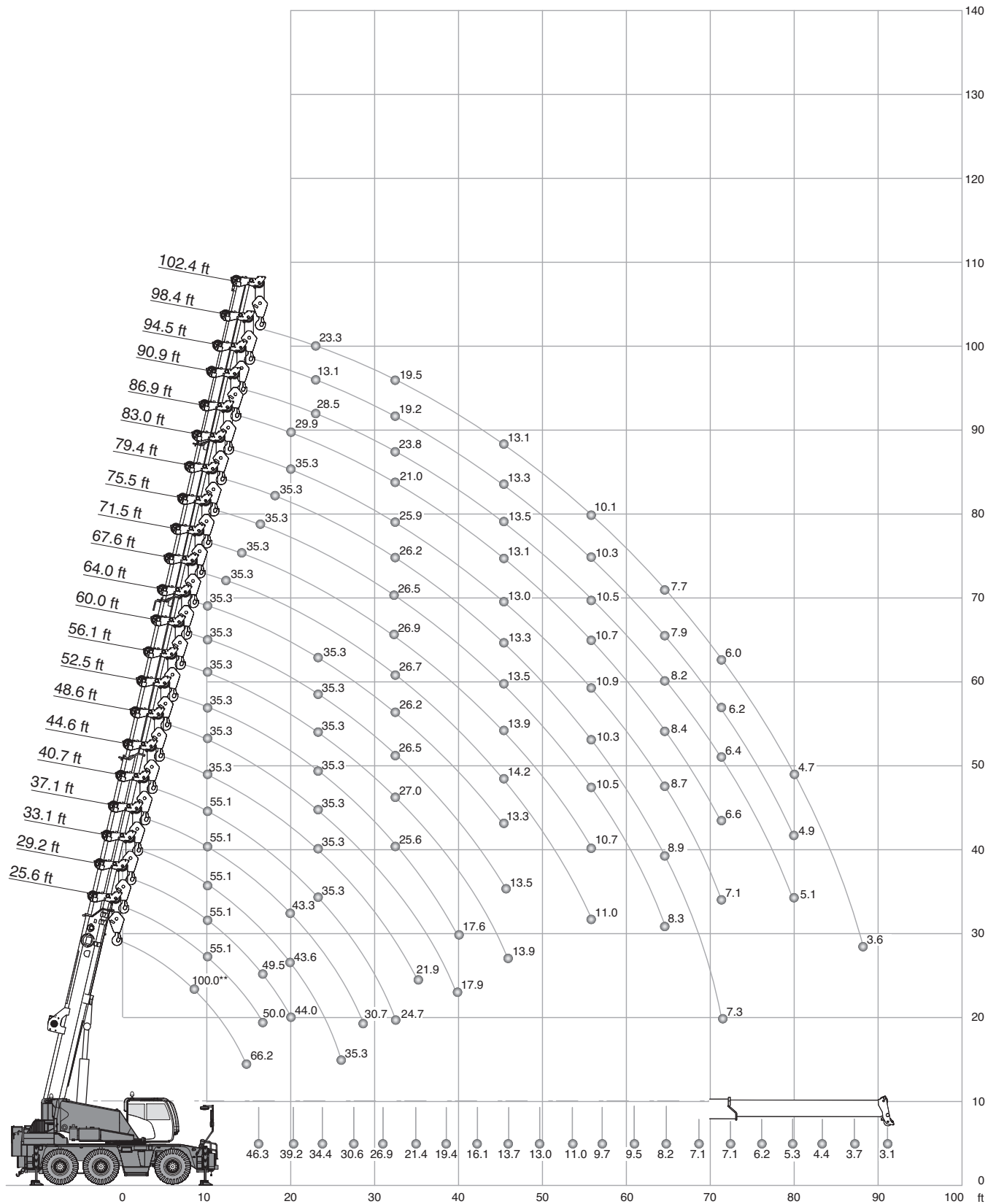
88,200

5

10

904 lbs

6.2 ft



\*\* Max. crane capacity – with additional special equipment

# Operation

HA

11,700 lbs		20.3 ft x 21.0 ft												360°		ASME B30.5	
25.6 ft*		25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft					
ft	1,000 lbs												ft				
8	100.0**	-	-	-	-	-	-	-	-	-	-	-	-	8			
10	87.4	77.4	55.1	55.1	55.1	55.1	55.1	35.3	35.3	35.3	35.3	35.3	35.3	10			
12	77.3	71.9	55.1	55.1	55.1	55.1	55.1	35.3	35.3	35.3	35.3	35.3	35.3	12			
14	66.2	65.6	55.1	55.1	55.1	55.1	54.5	35.3	35.3	35.3	35.3	35.3	35.3	14			
16	-	-	55.1	55.1	54.9	53.6	52.0	35.3	35.3	35.3	35.3	35.3	35.3	16			
18	-	-	50.0	49.5	49.3	49.1	48.8	35.3	35.3	35.3	35.3	35.3	35.3	18			
20	-	-	-	44.0	43.6	43.3	43.1	35.3	35.3	35.3	35.3	35.3	35.3	20			
24	-	-	-	-	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	24			
28	-	-	-	-	-	30.7	30.3	31.6	31.2	31.0	31.8	31.6	28	28			
32	-	-	-	-	-	-	24.7	26.5	26.0	25.6	27.0	26.5	32	32			
36	-	-	-	-	-	-	-	21.9	21.3	21.0	22.1	21.9	36	36			
40	-	-	-	-	-	-	-	-	17.9	17.6	18.8	18.3	40	40			
48	-	-	-	-	-	-	-	-	-	-	13.9	13.7	48	48			
1)	46.3	46.3	39.2	34.4	30.6	26.9	21.4	19.4	16.1	13.7	13.0	11.0	1)				

67.6 ft		71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft		
ft	1,000 lbs										ft	
10	35.3	-	-	-	-	-	-	-	-	-	-	10
12	35.3	35.3	-	-	-	-	-	-	-	-	-	12
14	35.3	35.3	35.3	-	-	-	-	-	-	-	-	14
16	35.3	35.3	35.3	35.3	-	-	-	-	-	-	-	16
18	35.3	35.3	35.3	35.3	35.3	-	-	-	-	-	-	18
20	35.3	35.3	35.3	35.3	35.3	35.3	29.9	-	-	-	-	20
24	35.3	35.3	35.3	35.0	33.9	33.7	26.5	28.5	23.1	23.3	-	24
28	31.4	31.0	30.7	31.2	31.2	31.1	23.5	26.2	20.9	21.1	-	28
32	26.2	26.7	26.9	26.5	26.2	25.9	21.0	23.8	19.2	19.5	-	32
36	21.5	22.6	22.1	21.7	21.5	21.3	19.0	21.2	17.5	17.9	-	36
40	18.0	19.0	18.7	18.3	18.0	17.8	17.2	17.8	16.1	16.3	-	40
48	13.3	14.2	13.9	13.5	13.3	13.0	13.1	13.5	13.3	13.1	-	48
56	-	11.0	10.7	10.5	10.3	10.9	10.7	10.5	10.3	10.1	-	56
64	-	-	-	8.3	8.9	8.7	8.4	8.2	7.9	7.7	-	64
72	-	-	-	-	7.3	7.1	6.6	6.4	6.2	6.0	-	72
80	-	-	-	-	-	-	-	5.1	4.9	4.7	-	80
88	-	-	-	-	-	-	-	-	-	3.6	-	88
1)	9.7	9.5	8.2	7.1	7.1	6.2	5.3	4.4	3.7	3.1	1)	

1) Capacities with horizontal boom

\* 180° over front

\*\* Max. crane capacity – with additional special equipment

# Operation

HA

6,400 lbs		20.3 ft x 21.0 ft										360° / Max.*				ASME B30.5	
	360° 25.6ft	Max. 25.6ft	360° 29.2ft	Max. 29.2ft	360° 33.1ft	Max. 33.1ft	360° 37.1ft	Max. 37.1ft	360° 40.7ft	Max. 40.7ft	360° 44.6ft	Max. 44.6ft	360° 48.6ft	Max. 48.6ft			
ft	1,000 lbs														ft		
10	77.4	77.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	35.3	35.3	10	
12	71.6	71.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	35.3	35.3	12	
14	64.0	64.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	54.5	54.5	35.3	35.3	14	
16	-	-	53.6	53.6	53.3	53.3	53.1	53.1	53.0	53.0	52.0	52.0	35.3	35.3	16		
18	-	-	47.8	-	47.3	47.8	47.1	47.4	46.9	47.1	46.7	46.7	35.3	35.3	18		
20	-	-	-	-	41.8	41.9	41.6	41.6	41.4	41.4	41.2	41.2	35.3	35.3	20		
24	-	-	-	-	-	-	34.7	34.7	34.6	34.6	34.3	34.3	35.1	35.1	24		
28	-	-	-	-	-	-	-	-	27.4	28.8	26.7	28.3	28.7	29.8	28		
32	-	-	-	-	-	-	-	-	-	-	21.0	22.6	22.8	24.2	32		
36	-	-	-	-	-	-	-	-	-	-	-	-	18.6	-	36		
1)	46.3	46.3	39.2	39.2	34.4	34.4	29.3	30.6	22.9	24.5	18.1	19.4	16.5	17.6	1)		

	360° 52.5ft	Max. 52.5ft	360° 56.1ft	Max. 56.1ft	360° 60.0ft	Max. 60.0ft	360° 64.0ft	Max. 64.0ft	360° 67.6ft	Max. 67.6ft	360° 71.5ft	Max. 71.5ft	360° 75.5ft	Max. 75.5ft	
ft	1,000 lbs														ft
10	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	-	-	-	-	10
12	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	12
14	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	14
16	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	16
18	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	18
20	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	20
24	34.9	34.9	34.7	34.7	35.3	35.3	35.1	35.1	34.9	34.9	34.4	34.4	33.7	34.2	24
28	28.3	29.4	27.8	29.0	29.3	30.2	28.9	29.8	28.5	29.5	28.8	29.2	29.1	29.3	28
32	22.4	23.8	21.9	23.4	23.2	24.7	22.8	24.2	22.6	23.8	23.7	24.8	23.2	24.5	32
36	18.2	19.8	17.7	19.4	19.0	20.6	18.6	20.3	18.4	19.8	19.3	20.8	19.0	20.5	36
40	15.2	-	14.8	16.0	16.1	17.1	15.7	16.8	15.2	16.4	16.3	17.3	15.9	17.0	40
48	-	-	-	-	11.7	-	11.3	12.4	11.1	12.2	12.0	13.1	11.7	12.6	48
56	-	-	-	-	-	-	-	-	-	-	9.2	10.2	8.8	9.7	56
1)	13.7	14.6	11.5	12.3	10.8	11.7	9.3	10.1	7.7	8.8	7.7	8.6	6.6	7.5	1)

	360° 79.4ft	Max. 79.4ft	360° 83.0ft	Max. 83.0ft	360° 86.9ft	Max. 86.9ft	360° 90.9ft	Max. 90.9ft	360° 94.5ft	Max. 94.5ft	360° 98.4ft	Max. 98.4ft	360° 102.4ft	Max. 102.4ft	
ft	1,000 lbs														ft
16	35.3	35.3	-	-	-	-	-	-	-	-	-	-	-	-	16
18	35.3	35.3	35.3	35.3	-	-	-	-	-	-	-	-	-	-	18
20	35.3	35.3	35.3	35.3	35.3	35.3	29.9	29.9	-	25.6	-	-	-	-	20
24	33.7	34.1	33.5	33.6	32.9	33.3	26.5	26.6	28.5	28.5	23.1	23.2	23.3	23.3	24
28	28.3	29.5	27.4	29.1	26.8	28.4	23.5	23.6	26.1	26.3	20.9	21.0	21.1	21.2	28
32	22.8	24.2	22.6	23.7	22.1	23.4	21.0	21.0	21.7	23.0	19.2	19.2	19.5	19.5	32
36	18.6	20.3	18.4	19.8	18.2	19.6	17.7	18.5	18.2	19.5	17.5	17.6	17.9	17.9	36
40	15.7	16.8	15.2	16.4	15.0	16.2	15.5	16.0	15.7	16.2	15.5	16.0	15.2	16.2	40
48	11.3	12.4	12.0	12.2	12.0	12.5	11.5	12.6	11.3	12.4	11.1	12.2	10.9	12.0	48
56	8.5	9.5	9.4	10.1	9.0	10.0	8.8	9.7	8.5	9.5	8.3	9.3	8.1	9.1	56
64	6.5	7.4	7.4	8.1	7.0	7.9	6.7	7.7	6.5	7.4	6.3	7.2	6.1	7.0	64
72	-	-	5.8	6.6	5.5	6.4	5.3	6.2	4.9	5.8	4.7	5.5	4.4	5.5	72
80	-	-	-	-	-	-	-	-	3.8	-	3.6	4.5	3.4	4.2	80
88	-	-	-	-	-	-	-	-	-	-	-	-	2.5	3.3	88
1)	5.5	6.4	5.7	6.4	4.9	5.5	4.0	4.9	3.3	4.2	2.6	3.5	2.0	2.9	1)

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

# Operation

HA

0 lbs		20.3 ft x 21.0 ft										360° / Max.*				ASME B30.5	
		360° 25.6ft	Max. 25.6ft	360° 29.2ft	Max. 29.2ft	360° 33.1ft	Max. 33.1ft	360° 37.1ft	Max. 37.1ft	360° 40.7ft	Max. 40.7ft	360° 44.6ft	Max. 44.6ft	360° 48.6ft	Max. 48.6ft		
ft		1,000 lbs														ft	
10		77.4	77.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	35.3	35.3	10	
12		70.7	70.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	35.3	35.3	12	
14		60.9	60.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	54.5	54.5	35.3	35.3	14	
16		-	-	51.3	51.3	51.1	51.1	50.8	50.8	50.6	50.6	50.2	50.2	35.3	35.3	16	
18		-	-	45.1	-	44.7	45.0	44.5	44.7	44.0	44.4	44.0	44.2	35.3	35.3	18	
20		-	-	-	-	39.1	39.5	38.8	39.0	38.5	38.8	38.3	38.6	35.3	35.3	20	
24		-	-	-	-	-	-	30.3	33.6	29.7	33.0	29.0	32.8	31.3	33.7	24	
28		-	-	-	-	-	-	-	-	22.1	27.5	21.5	27.2	23.4	28.3	28	
32		-	-	-	-	-	-	-	-	-	-	16.5	22.5	18.4	24.0	32	
36		-	-	-	-	-	-	-	-	-	-	-	-	14.8	-	36	
1)		46.3	46.3	39.2	39.2	30.9	34.0	23.8	28.7	18.3	24.3	14.1	19.4	13.0	17.6	1)	

		360° 52.5ft	Max. 52.5ft	360° 56.1ft	Max. 56.1ft	360° 60.0ft	Max. 60.0ft	360° 64.0ft	Max. 64.0ft	360° 67.6ft	Max. 67.6ft	360° 71.5ft	Max. 71.5ft	360° 75.5ft	Max. 75.5ft	
ft		1,000 lbs														ft
10		35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	-	-	-	-	10
12		35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	12
14		35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	14
16		35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	16
18		35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	18
20		35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.0	35.3	35.2	35.2	20
24		30.7	33.7	30.1	33.5	31.7	33.9	30.7	33.7	29.7	33.7	30.6	33.6	29.5	33.2	24
28		23.0	28.1	22.3	27.8	23.9	28.7	23.4	28.3	23.0	28.1	24.3	28.5	23.7	28.6	28
32		17.8	23.6	17.4	23.2	18.9	24.4	18.5	24.0	18.1	23.6	19.2	24.6	18.7	24.2	32
36		14.4	19.8	14.0	19.4	15.3	20.6	14.8	20.3	14.4	19.8	15.5	20.8	15.1	20.5	36
40		11.8	-	11.3	16.0	12.7	17.1	12.2	16.8	11.8	16.4	12.9	17.3	12.4	17.0	40
48		-	-	-	-	9.1	-	8.6	12.4	8.3	12.2	9.3	13.1	8.9	12.6	48
56		-	-	-	-	-	-	-	-	-	-	7.0	10.2	6.6	9.7	56
1)		10.4	14.6	8.6	12.3	8.4	11.7	6.8	10.1	5.5	8.8	5.7	8.6	4.6	7.5	1)

		360° 79.4ft	Max. 79.4ft	360° 83.0ft	Max. 83.0ft	360° 86.9ft	Max. 86.9ft	360° 90.9ft	Max. 90.9ft	360° 94.5ft	Max. 94.5ft	360° 98.4ft	Max. 98.4ft	360° 102.4ft	Max. 102.4ft	
ft		1,000 lbs														ft
16		35.3	35.3	-	-	-	-	-	-	-	-	-	-	-	-	16
18		35.3	35.3	35.3	35.3	-	-	-	-	-	-	-	-	-	-	18
20		35.0	35.3	34.8	35.2	34.6	35.2	29.9	29.9	-	25.6	-	-	-	-	20
24		28.6	33.6	27.7	33.2	26.8	33.0	25.9	26.6	26.0	28.4	23.1	23.2	23.3	23.3	24
28		22.8	28.3	22.1	28.1	21.5	27.9	20.8	23.6	20.8	26.3	20.8	21.0	20.2	21.2	28
32		18.5	24.0	18.1	23.6	18.0	23.4	18.2	21.0	17.8	23.0	17.2	19.1	16.7	19.5	32
36		14.8	20.3	15.7	19.8	15.5	19.6	15.1	18.5	14.8	19.5	14.4	17.6	13.9	17.9	36
40		12.2	16.8	13.1	16.4	12.8	16.2	12.4	16.0	12.2	16.2	12.0	16.0	11.8	16.2	40
48		8.6	12.4	9.5	12.2	9.1	12.5	8.9	12.6	8.6	12.4	8.4	12.2	8.2	12.0	48
56		6.1	9.5	7.0	10.1	6.8	10.0	6.6	9.7	6.1	9.5	5.9	9.3	5.7	9.1	56
64		4.5	7.4	5.4	8.1	5.1	7.9	4.7	7.7	4.5	7.4	4.3	7.2	4.1	7.0	64
72		-	-	4.0	6.6	3.8	6.4	3.6	6.2	3.1	5.8	2.9	5.5	2.7	5.5	72
80		-	-	-	-	-	-	-	-	2.3	-	2.0	4.5	1.8	4.2	80
88		-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	88
1)		3.5	6.4	4.0	6.4	3.1	5.5	2.4	4.9	1.8	4.2	1.3	3.5	-	2.9	1)

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

# Operation

HA

11,700 lbs		14.4 ft x 21.0 ft				360° / Max.*				ASME B30.5						
360° 25.6ft	Max. 25.6ft	360° 29.2ft	Max. 29.2ft	360° 33.1ft	Max. 33.1ft	360° 37.1ft	Max. 37.1ft	360° 40.7ft	Max. 40.7ft	360° 44.6ft	Max. 44.6ft	360° 48.6ft	Max. 48.6ft			
1,000 lbs																
ft														ft		
10	75.3	77.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	35.3	35.3	10
12	66.3	71.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	35.3	35.3	12
14	56.2	65.6	52.8	55.1	52.4	55.1	52.2	55.1	51.7	55.1	50.5	54.5	35.3	35.3	14	
16	-	-	43.1	55.1	42.6	55.1	42.1	54.9	41.6	53.6	40.9	51.9	35.3	35.3	16	
18	-	-	33.9	-	35.1	50.0	35.3	49.7	35.3	48.7	35.1	47.6	35.3	35.3	18	
20	-	-	-	-	29.0	43.8	30.1	43.6	29.4	43.4	29.0	43.2	30.8	35.3	20	
24	-	-	-	-	-	-	21.9	34.8	21.4	34.6	21.0	34.3	22.6	34.8	24	
28	-	-	-	-	-	-	-	-	-	16.4	29.2	16.0	28.7	17.5	30.4	28
32	-	-	-	-	-	-	-	-	-	-	12.7	22.6	14.0	24.2	32	
36	-	-	-	-	-	-	-	-	-	-	-	-	11.5	-	36	
1)	44.1	46.3	29.5	39.2	22.3	34.4	17.6	30.6	13.9	24.5	11.0	19.4	10.4	17.6	1)	

360° 52.5ft	Max. 52.5ft	360° 56.1ft	Max. 56.1ft	360° 60.0ft	Max. 60.0ft	360° 64.0ft	Max. 64.0ft	360° 67.6ft	Max. 67.6ft	360° 71.5ft	Max. 71.5ft	360° 75.5ft	Max. 75.5ft		
1,000 lbs															
ft														ft	
10	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	-	-	-	-	10
12	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	-	12
14	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	14
16	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	16
18	35.3	35.3	35.3	35.3	35.3	35.3	35.1	35.3	34.0	35.3	34.6	35.3	33.3	35.3	18
20	30.3	35.3	29.9	35.3	31.2	35.3	30.8	35.3	29.8	35.3	30.5	35.3	29.5	35.3	20
24	22.1	34.6	21.7	34.5	23.0	35.0	22.6	34.9	22.1	34.7	23.2	34.4	22.8	34.2	24
28	17.1	30.0	16.7	29.6	17.8	31.0	17.5	30.5	17.1	30.2	18.0	29.6	17.8	29.3	28
32	13.7	23.8	13.3	23.4	14.3	24.7	14.0	24.2	13.8	23.8	14.5	24.8	14.3	24.5	32
36	11.3	19.8	10.9	19.4	12.0	20.6	11.5	20.3	11.3	19.8	12.0	20.8	11.7	20.5	36
40	9.4	-	9.0	16.0	9.9	17.1	9.7	16.8	9.4	16.4	10.1	17.3	9.9	17.0	40
48	-	-	-	-	7.4	-	7.2	12.4	6.7	12.2	7.6	13.1	7.2	12.6	48
56	-	-	-	-	-	-	-	-	-	-	5.7	10.2	5.5	9.7	56
1)	8.4	14.6	7.1	12.3	6.8	11.7	5.7	10.1	4.9	8.8	4.9	8.6	4.0	7.5	1)

360° 79.4ft	Max. 79.4ft	360° 83.0ft	Max. 83.0ft	360° 86.9ft	Max. 86.9ft	360° 90.9ft	Max. 90.9ft	360° 94.5ft	Max. 94.5ft	360° 98.4ft	Max. 98.4ft	360° 102.4ft	Max. 102.4ft		
1,000 lbs															
ft														ft	
16	35.3	35.3	-	-	-	-	-	-	-	-	-	-	-	16	
18	32.3	35.3	31.2	35.3	-	-	-	-	-	-	-	-	-	18	
20	28.6	35.3	27.7	35.2	26.8	35.2	26.0	29.9	25.5	25.6	-	-	-	20	
24	22.5	34.1	22.1	33.6	22.2	33.3	22.0	26.6	21.4	28.4	20.7	23.2	20.2	23.3	24
28	17.5	29.5	18.2	29.1	18.0	28.4	17.8	23.6	17.5	26.3	17.1	21.0	16.7	21.2	28
32	14.0	24.2	14.8	23.7	14.5	23.4	14.3	21.0	14.1	23.0	13.9	19.1	13.7	19.5	32
36	11.5	20.3	12.2	19.8	12.0	19.6	11.7	18.5	11.5	19.5	11.3	17.6	11.3	17.9	36
40	9.7	16.8	10.3	16.4	10.1	16.2	9.9	16.0	9.7	16.2	9.4	16.0	9.2	16.2	40
48	6.9	12.4	7.6	12.2	7.4	12.5	7.2	12.6	7.0	12.4	6.9	12.2	6.7	12.0	48
56	5.2	9.5	5.9	10.1	5.7	10.0	5.5	9.7	5.2	9.5	5.0	9.3	5.0	9.1	56
64	4.0	7.4	4.6	8.1	4.4	7.9	4.2	7.7	4.0	7.4	3.7	7.2	3.7	7.0	64
72	-	-	3.6	6.6	3.3	6.4	3.3	6.2	3.1	5.8	2.9	5.5	2.7	5.5	72
80	-	-	-	-	-	-	-	-	-	2.3	-	2.1	4.5	1.9	80
88	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	88
1)	3.3	6.4	3.5	6.4	2.9	5.5	2.4	4.9	2.0	4.2	1.5	3.5	-	2.9	1)

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

# Operation

11,700 lbs		7.7 ft x 21.0 ft		360° / Max.*								ASME B30.5			
ft	360° 25.6ft	Max. 25.6ft	360° 29.2ft	Max. 29.2ft	360° 33.1ft	Max. 33.1ft	360° 37.1ft	Max. 37.1ft	360° 40.7ft	Max. 40.7ft	360° 44.6ft	Max. 44.6ft	360° 48.6ft	Max. 48.6ft	ft
1,000 lbs															
10	-	77.4	-	55.1	-	55.1	-	55.1	-	55.1	-	55.1	-	35.3	10
12	-	71.9	-	55.1	-	55.1	-	55.1	-	55.1	-	55.1	-	35.3	12
14	-	65.6	-	55.1	-	55.1	-	55.1	-	55.1	-	54.5	-	35.3	14
16	-	-	17.8	55.1	18.9	55.1	19.6	54.9	19.1	53.6	18.7	51.9	20.3	35.3	16
18	-	-	14.6	-	15.5	50.0	16.2	49.7	15.7	48.7	15.5	47.6	16.8	35.3	18
20	-	-	-	-	13.1	43.8	13.8	43.6	13.3	43.4	12.9	43.2	14.3	35.3	20
24	-	-	-	-	-	-	10.3	34.8	9.9	34.6	9.5	34.3	10.8	34.8	24
28	-	-	-	-	-	-	-	-	7.7	29.2	7.2	28.7	8.3	30.4	28
32	-	-	-	-	-	-	-	-	-	-	5.6	22.6	6.7	24.2	32
36	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	36
1)	-	46.3	12.8	39.2	10.1	34.4	8.4	30.6	6.4	24.5	4.9	19.4	4.9	17.6	1)

ft	360° 52.5ft	Max. 52.5ft	360° 56.1ft	Max. 56.1ft	360° 60.0ft	Max. 60.0ft	360° 64.0ft	Max. 64.0ft	360° 67.6ft	Max. 67.6ft	360° 71.5ft	Max. 71.5ft	360° 75.5ft	Max. 75.5ft	ft
1,000 lbs															
10	-	35.3	-	35.3	-	35.3	-	35.3	-	35.3	-	-	-	-	10
12	-	35.3	-	35.3	-	35.3	-	35.3	-	35.3	-	35.3	-	-	12
14	-	35.3	-	35.3	-	35.3	-	35.3	-	35.3	-	35.3	-	35.3	14
16	19.8	35.3	19.6	35.3	20.7	35.3	20.1	35.3	19.6	35.3	20.4	35.3	19.5	35.3	16
18	16.4	35.3	16.2	35.3	17.3	35.3	16.8	35.3	16.6	35.3	17.5	35.3	17.0	35.3	18
20	14.0	35.3	13.6	35.3	14.7	35.3	14.4	35.3	14.0	35.3	14.9	35.3	14.7	35.3	20
24	10.4	34.6	10.1	34.5	11.1	35.0	10.8	34.9	10.5	34.7	11.3	34.4	11.0	34.2	24
28	8.1	30.0	7.9	29.6	8.8	31.0	8.3	30.5	8.1	30.2	8.8	29.6	8.6	29.3	28
32	6.4	23.8	6.2	23.4	6.9	24.7	6.7	24.2	6.5	23.8	7.2	24.8	6.9	24.5	32
36	5.1	19.8	4.9	19.4	5.8	20.6	5.3	20.3	5.1	19.8	5.8	20.8	5.5	20.5	36
40	4.2	-	3.9	16.0	4.7	17.1	4.5	16.8	4.2	16.4	4.9	17.3	4.7	17.0	40
48	-	-	-	-	3.2	-	3.0	12.4	2.8	12.2	3.5	13.1	3.2	12.6	48
56	-	-	-	-	-	-	-	-	-	-	2.4	10.2	2.2	9.7	56
1)	3.7	14.6	2.9	12.3	3.1	11.7	2.2	10.1	1.8	8.8	2.0	8.6	1.3	7.5	1)



ft	360° 79.4ft	Max. 79.4ft	360° 83.0ft	Max. 83.0ft	360° 86.9ft	Max. 86.9ft	360° 90.9ft	Max. 90.9ft	360° 94.5ft	Max. 94.5ft	360° 98.4ft	Max. 98.4ft	360° 102.4ft	Max. 102.4ft	ft
1,000 lbs															
16	18.8	35.3	-	-	-	-	-	-	-	-	-	-	-	-	16
18	16.4	35.3	17.0	35.3	-	-	-	-	-	-	-	-	-	-	18
20	14.4	35.3	15.1	35.2	14.5	35.2	14.1	29.9	13.6	25.6	-	-	-	-	20
24	10.8	34.1	11.5	33.6	11.2	33.3	11.0	26.6	10.8	28.4	10.5	23.2	10.0	23.3	24
28	8.3	29.5	9.0	29.1	8.8	28.4	8.6	23.6	8.3	26.3	8.3	21.0	8.1	21.2	28
32	6.7	24.2	7.4	23.7	7.2	23.4	6.9	21.0	6.7	23.0	6.5	19.1	6.4	19.5	32
36	5.3	20.3	6.0	19.8	5.8	19.6	5.5	18.5	5.5	19.5	5.3	17.6	5.1	17.9	36
40	4.5	16.8	5.0	16.4	4.8	16.2	4.7	16.0	4.5	16.2	4.2	16.0	4.1	16.2	40
48	3.0	12.4	3.5	12.2	3.2	12.5	3.2	12.6	3.0	12.4	2.8	12.2	2.6	12.0	48
56	2.0	9.5	2.4	10.1	2.4	10.0	2.2	9.7	2.0	9.5	1.7	9.3	-	9.1	56
64	-	7.4	1.8	8.1	1.7	7.9	-	7.7	-	7.4	-	7.2	-	7.0	64
72	-	-	-	6.6	-	6.4	-	6.2	-	5.8	-	5.5	-	5.5	72
80	-	-	-	-	-	-	-	-	-	-	-	4.5	-	4.2	80
88	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	88
1)	-	6.4	-	6.4	-	5.5	-	4.9	-	4.2	-	3.5	-	2.9	1)



1) Capacities with horizontal boom



\* Max. values are valid only for specific superstructure positions

# Operation

HA

11,700 lbs		0° *		ASME B30.5			
				25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs						
10	35.8	35.1	34.9	34.7			
12	30.9	30.5	30.0	30.0			
14	27.1	26.7	26.2	25.9			
16	-	23.5	22.9	22.1			
18	-	19.3	18.6	18.4			
20	-	15.9	15.5	15.2			
24	-	-	10.9	10.7			
28	-	-	8.1	7.9			
32	-	-	-	5.8			
1)	23.8	12.1	6.6	4.9			

11,700 lbs		180° **		ASME B30.5			
				25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs						
10	25.9	25.5	25.0	24.8			
12	22.1	21.7	21.3	21.2			
14	19.1	18.7	18.4	18.2			
16	-	16.3	15.9	15.9			
18	-	14.2	13.9	13.7			
20	-	12.5	12.1	12.1			
24	-	-	9.6	9.4			
28	-	-	7.5	7.2			
32	-	-	-	5.6			
1)	16.5	10.1	6.2	4.6			

11,700 lbs		360°		ASME B30.5			
				25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs						
14	14.9	14.4	14.0	13.8			
16	-	12.1	11.7	11.5			
18	-	10.2	9.7	9.7			
20	-	8.6	8.2	8.2			
24	-	-	5.8	5.8			
28	-	-	4.1	3.9			
32	-	-	-	2.6			
1)	12.3	6.4	2.9	1.8			

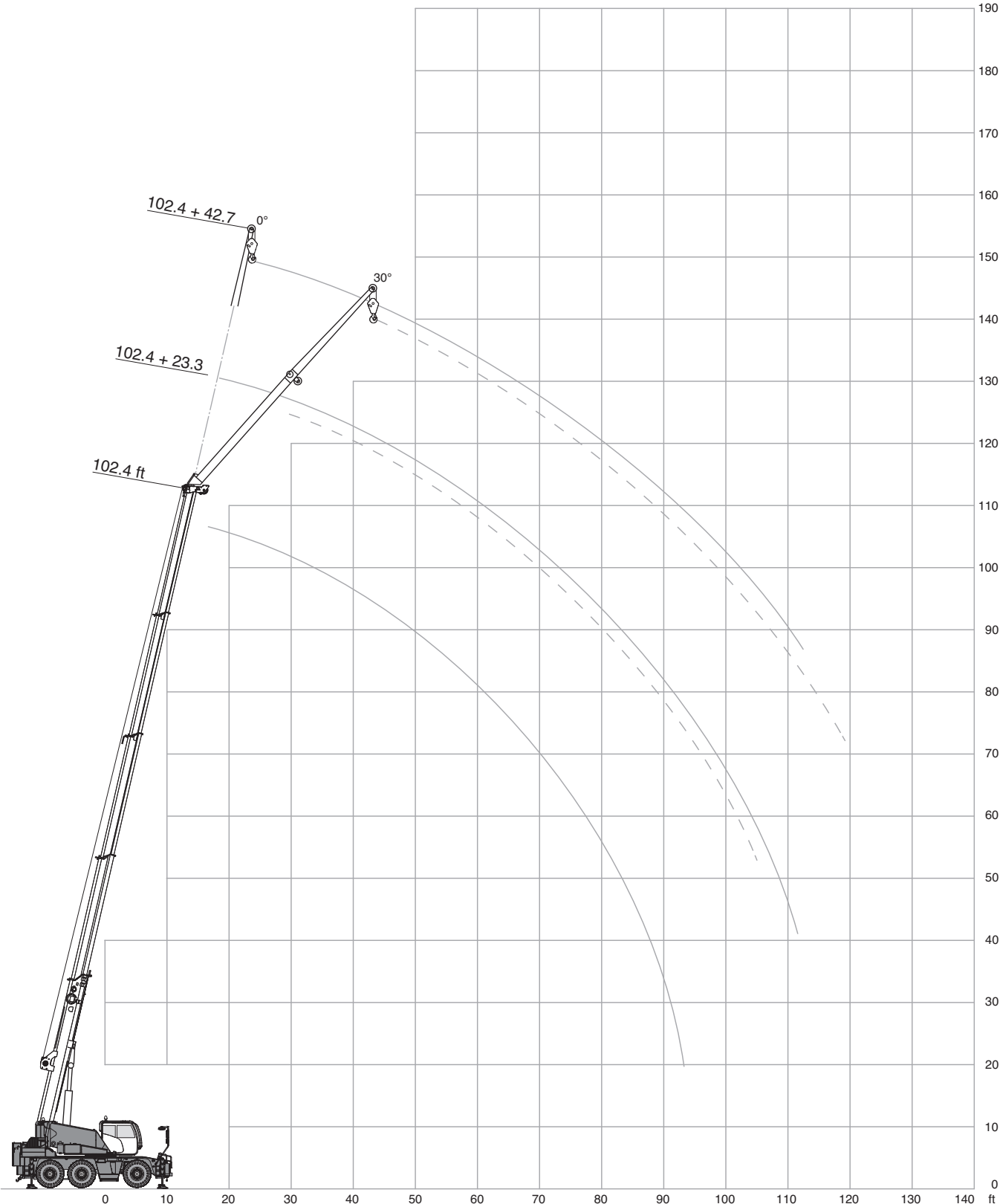
1) Capacities with horizontal boom

\* over rear

\*\* over front







# Operation

11,700 lbs		20.3 ft x 21.0 ft										360°										ASME B30.5			
23.3 ft		(ft)										(ft)													
		0°										30°													
ft		25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	ft	
		1,000 lbs																							
10		18.2	19.3	19.4	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12		16.6	18.4	19.3	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14		15.4	17.0	18.6	19.4	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
16		14.3	15.9	17.4	18.7	19.4	-	-	-	-	-	-	12.9	-	-	-	-	-	-	-	-	-	-	16	
18		13.5	15.0	16.3	17.7	18.5	19.2	-	-	-	-	-	12.4	12.8	-	-	-	-	-	-	-	-	-	18	
20		12.4	14.2	15.5	16.6	17.7	18.4	18.6	-	-	-	-	11.8	12.3	12.7	-	-	-	-	-	-	-	-	20	
24		11.2	12.6	13.9	15.0	15.9	16.8	17.0	17.4	-	-	-	11.0	11.5	12.0	12.3	12.6	-	-	-	-	-	-	24	
28		10.1	11.4	12.5	13.6	14.5	15.2	15.6	16.1	16.1	15.8	-	10.3	10.8	11.4	11.7	11.9	12.1	-	-	-	-	28		
32		9.1	10.4	11.5	12.6	13.4	14.1	14.5	15.0	15.0	14.9	13.4	9.8	10.2	10.8	11.1	11.5	11.7	11.8	11.9	-	-	-	32	
36		8.4	9.5	10.6	11.5	12.6	13.2	13.5	14.1	14.1	14.1	12.8	9.7	9.9	10.4	10.6	11.0	11.3	11.3	11.5	-	-	-	36	
40		-	8.9	9.8	10.7	11.6	12.2	12.7	13.1	13.3	13.4	12.0	-	9.7	10.1	10.3	10.7	10.9	11.0	11.2	11.2	11.2	-	40	
48		-	-	8.5	9.4	10.2	10.8	11.3	11.8	11.9	12.1	10.8	-	-	9.7	9.8	10.0	10.2	10.4	10.4	10.6	10.7	8.7	48	
56		-	-	-	8.4	9.2	9.7	10.1	10.5	10.5	10.3	9.4	-	-	-	-	9.7	9.7	9.9	9.9	10.1	9.9	7.9	56	
64		-	-	-	-	8.3	8.8	9.1	8.6	8.2	8.2	7.9	-	-	-	-	-	9.1	8.9	9.1	8.8	8.8	7.4	64	
72		-	-	-	-	-	7.3	7.5	6.9	6.8	6.6	6.2	-	-	-	-	-	-	7.8	7.3	6.9	6.9	6.8	72	
80		-	-	-	-	-	-	6.1	5.6	5.8	5.3	4.8	-	-	-	-	-	-	-	5.8	6.0	5.7	5.3	80	
88		-	-	-	-	-	-	-	4.5	4.7	4.2	3.6	-	-	-	-	-	-	-	-	4.9	4.5	4.0	88	
96		-	-	-	-	-	-	-	-	3.7	3.2	2.8	-	-	-	-	-	-	-	-	-	3.4	3.0	96	
104		-	-	-	-	-	-	-	-	-	2.5	2.1	-	-	-	-	-	-	-	-	-	-	2.3	104	

42.7 ft		(ft)										(ft)													
		0°										30°													
ft		25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	ft	
		1,000 lbs																							
10		13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12		12.5	13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
14		11.6	12.4	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
16		10.7	11.6	12.3	12.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	
18		9.9	10.8	11.5	12.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
20		9.4	10.2	10.9	11.4	11.8	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	
24		8.3	9.0	9.6	10.3	10.7	11.0	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	
28		7.5	8.1	8.8	9.2	9.7	10.1	10.1	10.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	
32		6.7	7.4	7.9	8.5	8.9	9.1	9.4	9.6	9.4	-	-	6.2	6.4	-	-	-	-	-	-	-	-	-	32	
36		6.0	6.6	7.3	7.7	8.2	8.4	8.6	8.8	8.8	8.4	-	5.7	6.0	6.2	-	-	-	-	-	-	-	-	36	
40		5.6	6.1	6.7	7.2	7.6	7.9	8.1	8.3	8.3	7.9	7.7	5.5	5.7	5.9	5.9	6.1	6.1	-	-	-	-	40		
48		4.7	5.2	5.7	6.1	6.6	6.9	7.1	7.4	7.4	7.1	7.1	4.9	5.2	5.4	5.4	5.6	5.6	5.7	5.8	-	-	48		
56		-	4.6	5.1	5.5	5.7	6.1	6.4	6.6	6.8	6.4	6.6	-	4.6	4.9	5.1	5.1	5.3	5.3	5.5	5.5	5.5	5.5	56	
64		-	4.2	4.5	4.7	5.2	5.4	5.6	6.1	6.1	5.8	6.1	-	-	4.6	4.7	4.9	5.0	5.1	5.1	5.2	5.2	5.2	64	
72		-	-	4.2	4.4	4.6	4.9	5.1	5.3	5.5	5.5	5.5	-	-	-	4.6	4.6	4.6	4.9	4.9	4.9	4.9	4.9	72	
80		-	-	-	-	4.2	4.5	4.8	5.0	5.1	5.0	5.1	-	-	-	-	4.6	4.6	4.6	4.6	4.6	4.8	4.5	80	
88		-	-	-	-	4.0	4.2	4.4	4.6	4.4	4.4	4.0	-	-	-	-	-	4.4	4.4	4.4	4.6	4.6	4.2	88	
96		-	-	-	-	-	4.0	3.9	4.1	3.6	3.2	-	-	-	-	-	-	-	4.3	4.1	4.0	3.9	3.9	96	
104		-	-	-	-	-	-	-	3.2	3.4	2.8	2.3	-	-	-	-	-	-	-	-	3.6	3.4	3.0	104	
112		-	-	-	-	-	-	-	-	2.6	2.2	1.7	-	-	-	-	-	-	-	-	-	2.6	2.2	112	
120		-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	1.6	120	

# Operation

HAV

6,400 lbs		20.3 ft x 21.0 ft										360°										ASME B30.5			
23.3 ft		(ft)										(ft)													
		25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4		
		0°										30°													
ft		1,000 lbs																				ft			
10		18.2	19.3	19.4	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12		16.6	18.4	19.3	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14		15.4	17.0	18.6	19.4	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16		14.3	15.9	17.4	18.7	19.4	-	-	-	-	-	-	12.9	-	-	-	-	-	-	-	-	-	16		
18		13.5	15.0	16.3	17.7	18.5	19.2	-	-	-	-	-	12.4	12.8	-	-	-	-	-	-	-	-	18		
20		12.4	14.2	15.5	16.6	17.7	18.4	18.6	-	-	-	-	11.8	12.3	12.7	-	-	-	-	-	-	-	20		
24		11.2	12.6	13.9	15.0	15.9	16.8	17.0	17.4	-	-	-	11.0	11.5	12.0	12.3	12.6	-	-	-	-	-	24		
28		10.1	11.4	12.5	13.6	14.5	15.2	15.6	16.1	16.1	15.8	-	10.3	10.8	11.4	11.7	11.9	12.1	-	-	-	-	28		
32		9.1	10.4	11.5	12.6	13.4	14.1	14.5	15.0	15.0	14.9	13.4	9.8	10.2	10.8	11.1	11.5	11.7	11.8	11.9	-	-	32		
36		8.4	9.5	10.6	11.5	12.6	13.2	13.5	14.1	14.1	14.1	12.8	9.7	9.9	10.4	10.6	11.0	11.3	11.3	11.5	-	-	36		
40		-	8.9	9.8	10.7	11.6	12.2	12.7	13.1	13.3	13.4	12.0	-	9.7	10.1	10.3	10.7	10.9	11.0	11.2	11.2	11.2	40		
48		-	-	8.5	9.4	10.2	10.8	11.3	11.6	11.5	11.4	10.8	-	-	9.7	9.8	10.0	10.2	10.4	10.4	10.6	10.7	48		
56		-	-	-	8.4	9.0	9.4	9.6	9.2	8.8	9.0	8.5	-	-	-	-	9.4	9.7	9.7	9.8	9.4	9.4	56		
64		-	-	-	-	6.9	7.4	7.6	7.0	7.4	6.8	6.3	-	-	-	-	7.7	7.9	7.6	7.3	7.3	7.0	64		
72		-	-	-	-	-	5.8	6.0	5.3	5.8	5.1	4.7	-	-	-	-	-	6.4	5.8	6.2	5.8	5.3	72		
80		-	-	-	-	-	-	4.9	4.2	4.5	4.0	3.6	-	-	-	-	-	-	4.5	4.7	4.4	4.0	80		
88		-	-	-	-	-	-	-	3.2	3.4	2.9	2.5	-	-	-	-	-	-	-	3.6	3.2	2.9	88		
96		-	-	-	-	-	-	-	-	2.6	2.1	1.7	-	-	-	-	-	-	-	-	-	2.4	96		
104		-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	104		

42.7 ft		(ft)										(ft)													
		25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4		
		0°										30°													
ft		1,000 lbs																				ft			
10		13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12		12.5	13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14		11.6	12.4	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16		10.7	11.6	12.3	12.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
18		9.9	10.8	11.5	12.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
20		9.4	10.2	10.9	11.4	11.8	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
24		8.3	9.0	9.6	10.3	10.7	11.0	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24		
28		7.5	8.1	8.8	9.2	9.7	10.1	10.1	10.1	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
32		6.7	7.4	7.9	8.5	8.9	9.1	9.4	9.6	9.4	-	-	6.2	6.4	-	-	-	-	-	-	-	-	32		
36		6.0	6.6	7.3	7.7	8.2	8.4	8.6	8.8	8.8	8.4	-	5.7	6.0	6.2	-	-	-	-	-	-	-	36		
40		5.6	6.1	6.7	7.2	7.6	7.9	8.1	8.3	8.3	7.9	7.7	5.5	5.7	5.9	5.9	6.1	6.1	-	-	-	-	40		
48		4.7	5.2	5.7	6.1	6.6	6.9	7.1	7.4	7.4	7.1	7.1	4.9	5.2	5.4	5.4	5.6	5.6	5.7	5.8	-	-	48		
56		-	4.6	5.1	5.5	5.7	6.1	6.4	6.6	6.8	6.4	6.6	-	4.6	4.9	5.1	5.1	5.3	5.3	5.5	5.5	5.5	56		
64		-	4.2	4.5	4.7	5.2	5.4	5.6	6.1	6.1	5.8	6.1	-	-	4.6	4.7	4.9	5.0	5.1	5.1	5.2	5.2	64		
72		-	-	4.2	4.4	4.6	4.9	5.1	5.3	5.3	5.3	5.1	-	-	-	4.6	4.6	4.6	4.9	4.9	4.9	4.9	72		
80		-	-	-	-	4.2	4.5	4.8	4.7	4.8	4.2	3.8	-	-	-	-	4.6	4.6	4.6	4.6	4.6	4.8	80		
88		-	-	-	-	4.0	4.0	4.2	3.6	3.8	3.4	2.9	-	-	-	-	4.4	4.4	4.3	4.2	4.0	3.8	88		
96		-	-	-	-	-	-	3.5	2.8	3.0	2.5	2.1	-	-	-	-	-	-	3.2	3.5	3.2	2.8	96		
104		-	-	-	-	-	-	-	2.3	2.3	1.8	1.4	-	-	-	-	-	-	-	-	2.7	2.3	104		
112		-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	1.7	112		

# Operation

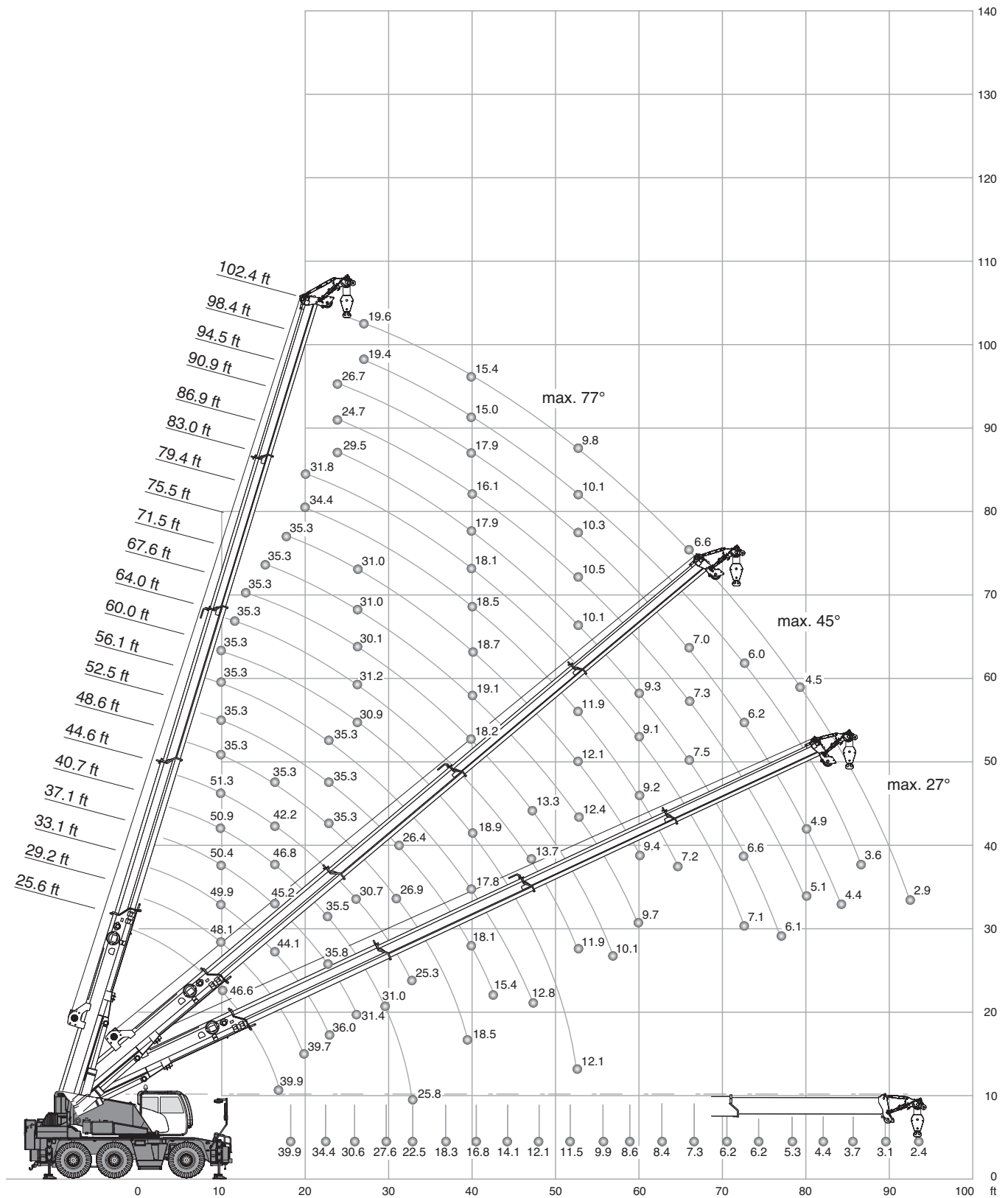
0 lbs		20.3 ft x 21.0 ft										360°										ASME B30.5									
23.3 ft		(ft)										(ft)																			
		25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4								
		0°										30°																			
ft		1,000 lbs																				ft									
10		18.2	19.3	19.4	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10								
12		16.6	18.4	19.3	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12								
14		15.4	17.0	18.6	19.4	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14								
16		14.3	15.9	17.4	18.7	19.4	-	-	-	-	-	-	12.9	-	-	-	-	-	-	-	-	-	16								
18		13.5	15.0	16.3	17.7	18.5	19.2	-	-	-	-	-	12.4	12.8	-	-	-	-	-	-	-	-	18								
20		12.4	14.2	15.5	16.6	17.7	18.4	18.6	-	-	-	-	11.8	12.3	12.7	-	-	-	-	-	-	-	20								
24		11.2	12.6	13.9	15.0	15.9	16.8	17.0	17.4	-	-	-	11.0	11.5	12.0	12.3	12.6	-	-	-	-	-	24								
28		10.1	11.4	12.5	13.6	14.5	15.2	15.6	16.1	16.1	15.8	-	10.3	10.8	11.4	11.7	11.9	12.1	-	-	-	-	28								
32		9.1	10.4	11.5	12.6	13.4	14.1	14.5	15.0	15.0	14.9	13.4	9.8	10.2	10.8	11.1	11.5	11.7	11.8	11.9	-	-	32								
36		8.4	9.5	10.6	11.5	12.6	13.2	13.5	14.1	14.1	13.7	12.8	9.7	9.9	10.4	10.6	11.0	11.3	11.3	11.5	-	-	36								
40		-	8.9	9.8	10.7	11.6	12.2	12.5	12.8	12.0	11.9	11.4	-	9.7	10.1	10.3	10.7	10.9	11.0	11.2	11.2	11.2	40								
48		-	-	8.5	9.4	9.2	9.5	10.0	9.3	9.5	9.0	8.3	-	-	9.6	9.8	9.7	10.1	10.2	10.0	9.7	9.7	48								
56		-	-	-	7.5	6.8	7.2	7.4	6.8	7.2	6.6	6.1	-	-	-	-	7.2	7.7	7.9	7.5	7.9	7.4	56								
64		-	-	-	-	5.0	5.4	5.6	5.0	5.2	4.7	4.3	-	-	-	-	5.7	6.1	5.6	5.8	5.4	5.2	64								
72		-	-	-	-	-	4.0	4.2	3.6	4.0	3.3	2.9	-	-	-	-	-	4.7	4.0	4.4	4.0	3.6	72								
80		-	-	-	-	-	-	3.2	2.7	2.9	2.3	1.9	-	-	-	-	-	-	2.9	3.1	2.7	2.5	80								
88		-	-	-	-	-	-	-	1.8	2.0	1.6	-	-	-	-	-	-	-	-	2.3	1.8	1.6	88								

42.7 ft		(ft)										(ft)													
		25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4		
		0°										30°													
ft		1,000 lbs																				ft			
10		13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12		12.5	13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14		11.6	12.4	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16		10.7	11.6	12.3	12.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
18		9.9	10.8	11.5	12.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
20		9.4	10.2	10.9	11.4	11.8	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
24		8.3	9.0	9.6	10.3	10.7	11.0	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24		
28		7.5	8.1	8.8	9.2	9.7	10.1	10.1	10.1	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
32		6.7	7.4	7.9	8.5	8.9	9.1	9.4	9.6	9.4	-	-	6.2	6.4	-	-	-	-	-	-	-	-	32		
36		6.0	6.6	7.3	7.7	8.2	8.4	8.6	8.8	8.8	8.4	-	5.7	6.0	6.2	-	-	-	-	-	-	-	36		
40		5.6	6.1	6.7	7.2	7.6	7.9	8.1	8.3	8.3	7.9	7.7	5.5	5.7	5.9	5.9	6.1	6.1	-	-	-	-	40		
48		4.7	5.2	5.7	6.1	6.6	6.9	7.1	7.4	7.4	7.1	7.1	4.9	5.2	5.4	5.4	5.6	5.6	5.7	5.8	-	-	48		
56		-	4.6	5.1	5.5	5.7	6.1	6.4	6.6	6.8	6.4	6.1	-	4.6	4.9	5.1	5.1	5.3	5.3	5.5	5.5	5.5	56		
64		-	4.2	4.5	4.7	5.2	5.4	5.6	5.6	5.5	5.2	4.5	-	-	4.6	4.7	4.9	5.0	5.1	5.1	5.2	5.2	64		
72		-	-	4.2	4.4	4.4	4.7	4.7	4.2	4.2	3.8	3.3	-	-	-	4.6	4.6	4.6	4.9	4.9	4.9	4.7	72		
80		-	-	-	-	3.4	3.6	3.7	3.1	3.2	2.7	2.3	-	-	-	-	3.8	4.2	4.2	3.9	4.0	3.8	80		
88		-	-	-	-	2.7	2.7	2.9	2.2	2.5	2.0	1.4	-	-	-	-	-	2.9	3.3	2.9	3.1	2.7	88		
96		-	-	-	-	-	-	2.1	1.6	1.7	-	-	-	-	-	-	-	-	-	2.1	1.9	-	96		
104		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	104		

11,700 lbs		14.4 ft x 21.0 ft										360°										ASME B30.5			
23.3 ft		(ft)										(ft)													
		25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4		
		0°										30°													
ft		1,000 lbs																				ft			
10		18.2	19.3	19.4	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12		16.6	18.4	19.3	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14		15.4	17.0	18.6	19.4	19.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16		14.3	15.9	17.4	18.7	19.4	-	-	-	-	-	-	12.9	-	-	-	-	-	-	-	-	-	16		
18		13.5	15.0	16.3	17.7	18.5	19.2	-	-	-	-	-	12.4	12.8	-	-	-	-	-	-	-	-	18		
20		12.4	14.2	15.5	16.6	17.7	18.4	18.6	-	-	-	-	11.8	12.3	12.7	-	-	-	-	-	-	-	20		
24		11.2	12.6	13.9	15.0	15.9	16.8	17.0	17.4	-	-	-	11.0	11.5	12.0	12.3	12.6	-	-	-	-	-	24		
28		10.1	11.4	12.5	13.6	14.5	15.2	15.6	16.1	16.1	15.8	-	10.3	10.8	11.4	11.7	11.9	12.1	-	-	-	-	28		
32		9.1	10.4	11.5	12.6	13.4	14.1	14.3	14.5	14.1	13.7	13.2	9.8	10.2	10.8	11.1	11.5	11.7	11.8	11.9	-	-	32		
36		8.4	9.5	10.6	11.5	12.2	12.4	12.6	12.2	12.4	11.9	11.3	9.7	9.9	10.4	10.6	11.0	11.3	11.3	11.5	-	-	36		
40		-	8.9	9.8	10.6	10.1	10.5	10.8	10.3	10.5	10.1	9.7	-	9.7	9.9	10.3	10.5	10.7	10.9	10.9	10.8	10.8	40		
48		-	-	7.8	8.0	7.4	7.7	7.9	7.5	7.7	7.4	6.9	-	-	8.0	8.5	8.0	8.3	8.6	8.1	8.3	8.1	7.8	48	
56		-	-	-	6.1	5.7	5.9	6.1	5.7	5.9	5.5	5.0	-	-	-	-	5.9	6.3	6.6	6.1	6.3	6.1	5.7	56	
64		-	-	-	-	4.3	4.6	4.7	4.4	4.4	4.2	3.7	-	-	-	-	-	4.8	5.1	4.6	4.8	4.6	4.4	64	
72		-	-	-	-	-	3.6	3.8	3.3	3.5	3.1	2.9	-	-	-	-	-	-	4.0	3.6	3.8	3.6	3.3	72	
80		-	-	-	-	-	-	3.0	2.6	2.8	2.3	2.0	-	-	-	-	-	-	-	2.7	2.9	2.7	2.3	80	
88		-	-	-	-	-	-	-	1.8	2.0	1.6	-	-	-	-	-	-	-	-	-	2.2	2.0	1.6	88	
96		-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	96	

42.7 ft		(ft)										(ft)													
		25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4	25.6	33.1	40.7	48.6	56.1	64.0	71.5	79.4	86.9	94.5	102.4		
		0°										30°													
ft		1,000 lbs																				ft			
10		13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12		12.5	13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14		11.6	12.4	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
16		10.7	11.6	12.3	12.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
18		9.9	10.8	11.5	12.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18		
20		9.4	10.2	10.9	11.4	11.8	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
24		8.3	9.0	9.6	10.3	10.7	11.0	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24		
28		7.5	8.1	8.8	9.2	9.7	10.1	10.1	10.1	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
32		6.7	7.4	7.9	8.5	8.9	9.1	9.4	9.6	9.4	-	-	6.2	6.4	-	-	-	-	-	-	-	-	32		
36		6.0	6.6	7.3	7.7	8.2	8.4	8.6	8.8	8.8	8.4	-	5.7	6.0	6.2	-	-	-	-	-	-	-	36		
40		5.6	6.1	6.7	7.2	7.6	7.9	8.1	8.3	8.3	7.9	7.7	5.5	5.7	5.9	5.9	6.1	6.1	-	-	-	-	40		
48		4.7	5.2	5.7	6.1	6.6	6.9	7.1	7.4	7.3	7.1	7.0	4.9	5.2	5.4	5.4	5.6	5.6	5.7	5.8	-	-	48		
56		-	4.6	5.1	5.5	5.7	5.9	6.3	5.9	6.1	5.7	5.5	-	4.6	4.9	5.1	5.1	5.3	5.3	5.5	5.5	5.5	5.5	56	
64		-	4.2	4.5	4.7	4.8	4.8	5.1	4.6	4.7	4.4	4.1	-	-	4.6	4.7	4.9	5.0	5.1	5.1	5.1	5.1	5.1	64	
72		-	-	4.2	4.2	3.8	4.0	4.0	3.6	3.8	3.3	3.1	-	-	-	4.6	4.2	4.4	4.6	4.2	4.4	4.2	4.0	72	
80		-	-	-	-	3.0	3.1	3.2	2.8	3.0	2.6	2.3	-	-	-	-	3.4	3.6	3.7	3.4	3.4	3.2	3.0	80	
88		-	-	-	-	2.5	2.5	2.7	2.2	2.2	2.0	1.6	-	-	-	-	-	2.7	2.9	2.7	2.7	2.5	2.2	88	
96		-	-	-	-	-	-	2.1	1.7	1.7	-	-	-	-	-	-	-	-	1.9	2.1	1.9	1.6	-	96	
104		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	104	







# Operation

11,700 lbs		20.3 ft x 21.0 ft		30°		360°		ASME B30.5				
ft	25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft	ft
1,000 lbs												
10	46.6	48.1	49.9	50.4	50.9	51.3	35.3	35.3	35.3	35.3	-	10
12	45.1	46.3	48.2	49.6	50.1	50.1	35.3	35.3	35.3	35.3	35.3	12
14	43.4	44.9	46.5	48.0	49.1	47.7	35.3	35.3	35.3	35.3	35.3	14
16	40.6	43.7	45.0	46.6	47.9	45.1	35.3	35.3	35.3	35.3	35.3	16
18	39.9	41.7	44.1	45.2	46.8	42.2	35.3	35.3	35.3	35.3	35.3	18
20	-	39.7	42.9	43.7	44.2	39.3	35.3	35.3	35.3	35.3	35.3	20
24	-	-	36.0	35.8	35.5	35.3	35.3	35.3	35.3	35.3	35.3	24
28	-	-	-	31.4	31.0	30.7	31.8	31.4	31.2	30.9	31.2	28
32	-	-	-	-	25.8	25.3	26.9	26.4	26.0	26.2	26.7	32
36	-	-	-	-	-	20.6	22.1	21.7	21.3	22.4	21.9	36
40	-	-	-	-	-	-	18.5	18.1	17.8	18.9	18.5	40
44	-	-	-	-	-	-	-	15.4	15.0	16.1	15.8	44
48	-	-	-	-	-	-	-	-	12.8	13.9	13.7	48
52	-	-	-	-	-	-	-	-	-	12.1	11.9	52
1)	39.9	34.4	30.6	27.6	22.5	18.3	16.8	14.1	12.1	11.5	9.9	1)

ft	67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft	ft
1,000 lbs											
14	35.3	-	-	-	-	-	-	-	-	-	14
16	35.3	35.3	-	-	-	-	-	-	-	-	16
18	35.3	35.3	35.3	-	-	-	-	-	-	-	18
20	35.1	35.3	35.3	34.4	31.8	-	-	-	-	-	20
24	32.7	33.6	34.4	31.6	29.1	29.5	24.7	26.7	-	-	24
28	30.1	31.0	31.0	29.0	26.8	27.3	22.0	24.9	19.4	19.6	28
32	26.4	26.1	25.8	26.2	24.8	25.2	19.6	22.9	17.7	18.0	32
36	21.7	21.4	22.1	21.9	21.7	21.5	17.7	21.0	16.3	16.6	36
40	18.2	19.1	18.7	18.5	18.1	17.9	16.1	17.9	15.0	15.4	40
44	15.4	16.3	16.0	15.6	15.4	15.2	14.7	15.2	14.0	14.2	44
48	13.3	14.2	13.9	13.5	13.3	13.1	12.8	13.1	12.9	12.9	48
52	11.7	12.4	12.1	11.9	11.5	11.3	11.3	11.6	11.5	11.3	52
56	10.1	10.9	10.5	10.3	10.1	10.1	10.5	10.3	10.1	9.8	56
60	-	9.7	9.4	9.2	9.1	9.3	9.2	9.0	8.8	8.6	60
64	-	-	8.4	8.2	8.4	8.5	8.3	7.9	7.7	7.5	64
68	-	-	-	7.2	7.8	7.5	7.3	7.0	6.8	6.6	68
72	-	-	-	6.4	7.1	6.6	6.4	6.2	6.0	5.8	72
76	-	-	-	-	-	6.1	5.7	5.4	5.2	5.0	76
80	-	-	-	-	-	-	5.1	4.9	4.7	4.5	80
84	-	-	-	-	-	-	-	4.4	4.1	3.9	84
88	-	-	-	-	-	-	-	-	3.6	3.4	88
92	-	-	-	-	-	-	-	-	-	2.9	92
1)	8.6	8.4	7.3	6.2	6.2	5.3	4.4	3.7	3.1	2.4	1)

1) Capacities with horizontal boom

# Operation

MS

6,400 lbs													20.3 ft x 21.0 ft		30°		360°		ASME B30.5													
25.6 ft													29.2 ft		33.1 ft		37.1 ft		40.7 ft		44.6 ft		48.6 ft		52.5 ft		56.1 ft		60.0 ft		64.0 ft	
ft													1,000 lbs													ft						
10	46.6	48.1	49.9	50.4	50.9	51.3	35.3	35.3	35.3	35.3	35.3	-	10																			
12	45.1	46.3	48.2	49.6	50.1	50.1	35.3	35.3	35.3	35.3	35.3	35.3	12																			
14	43.4	44.9	46.5	48.0	49.1	47.7	35.3	35.3	35.3	35.3	35.3	35.3	14																			
16	40.6	43.7	45.0	46.6	47.9	45.1	35.3	35.3	35.3	35.3	35.3	35.3	16																			
18	39.9	41.7	44.1	45.2	46.8	42.2	35.3	35.3	35.3	35.3	35.3	35.3	18																			
20	-	39.7	42.5	42.4	42.2	39.3	35.3	35.3	35.3	35.3	35.3	35.3	20																			
24	-	-	34.6	35.0	34.7	34.6	35.3	35.0	34.9	34.7	34.9	34.9	24																			
28	-	-	-	28.7	28.0	27.6	29.3	28.7	28.3	28.3	29.1	28																				
32	-	-	-	-	22.1	21.7	23.2	22.8	22.4	23.6	23.1	32																				
36	-	-	-	-	-	17.5	19.0	18.6	18.2	19.3	18.8	36																				
40	-	-	-	-	-	-	15.9	15.5	15.0	16.1	15.7	40																				
44	-	-	-	-	-	-	-	12.9	12.5	13.6	13.4	44																				
48	-	-	-	-	-	-	-	-	10.6	11.7	11.5	48																				
52	-	-	-	-	-	-	-	-	-	10.1	9.9	52																				
1)	39.9	34.4	29.8	24.0	19.2	15.4	14.3	11.7	9.9	9.5	7.9	1)																				

67.6 ft													71.5 ft		75.5 ft		79.4 ft		83.0 ft		86.9 ft		90.9 ft		94.5 ft		98.4 ft		102.4 ft	
ft													1,000 lbs													ft				
14	35.3	-	-	-	-	-	-	-	-	-	-	-	14																	
16	35.3	35.3	-	-	-	-	-	-	-	-	-	-	16																	
18	35.3	35.3	35.3	-	-	-	-	-	-	-	-	-	18																	
20	35.1	35.3	35.3	34.4	31.8	-	-	-	-	-	-	-	20																	
24	32.7	33.6	33.5	31.6	29.1	29.5	24.7	26.7	-	-	-	24																		
28	28.9	28.1	27.2	27.2	26.8	26.5	22.0	24.9	19.4	19.6	-	28																		
32	22.8	23.0	23.2	23.0	22.6	21.9	19.6	21.5	17.7	18.0	-	32																		
36	18.6	19.5	19.3	18.8	18.6	18.4	17.7	18.1	16.3	16.6	-	36																		
40	15.5	16.3	16.0	15.7	15.5	15.2	15.0	15.2	15.0	15.1	-	40																		
44	12.9	13.8	13.6	13.2	12.9	12.9	13.3	13.2	12.9	12.7	-	44																		
48	11.1	12.0	11.7	11.3	11.3	11.7	11.5	11.3	11.1	10.9	-	48																		
52	9.5	10.3	10.1	9.9	10.5	10.1	9.9	9.7	9.5	9.2	-	52																		
56	8.3	9.0	8.8	8.5	9.2	9.0	8.7	8.5	8.1	7.9	-	56																		
60	-	8.0	7.7	7.5	8.1	7.7	7.5	7.2	7.0	6.8	-	60																		
64	-	-	6.7	6.4	7.2	6.8	6.6	6.3	6.1	5.8	-	64																		
68	-	-	-	5.5	6.4	5.9	5.7	5.5	5.3	5.0	-	68																		
72	-	-	-	4.9	5.5	5.3	4.9	4.7	4.4	4.2	-	72																		
76	-	-	-	-	-	4.6	4.3	4.1	3.9	3.7	-	76																		
80	-	-	-	-	-	-	3.8	3.6	3.4	3.1	-	80																		
84	-	-	-	-	-	-	-	3.0	2.8	2.6	-	84																		
88	-	-	-	-	-	-	-	-	2.5	2.2	-	88																		
92	-	-	-	-	-	-	-	-	-	1.8	-	92																		
1)	6.8	6.8	5.5	4.6	4.9	4.0	3.3	2.6	2.0	1.5	1)																			

1) Capacities with horizontal boom

# Operation

0 lbs													20.3 ft x 21.0 ft		30°		360°		ASME B30.5	
ft													1,000 lbs		ft					
ft	25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft	ft								
10	46.6	48.1	49.9	50.4	50.9	51.3	35.3	35.3	35.3	35.3	-	10								
12	45.1	46.3	48.2	49.6	50.1	50.1	35.3	35.3	35.3	35.3	35.3	12								
14	43.4	44.9	46.5	48.0	49.1	47.7	35.3	35.3	35.3	35.3	35.3	14								
16	40.6	43.7	45.0	46.6	47.9	45.1	35.3	35.3	35.3	35.3	35.3	16								
18	39.9	41.7	44.1	45.2	45.0	42.2	35.3	35.3	35.3	35.3	35.3	18								
20	-	39.2	40.1	39.9	39.6	38.8	35.3	35.3	35.3	35.2	35.2	20								
24	-	-	30.3	31.3	30.7	30.0	32.1	31.3	30.5	30.9	30.5	24								
28	-	-	-	23.2	22.8	22.1	23.9	23.4	23.0	24.3	23.9	28								
32	-	-	-	-	17.6	17.2	18.7	18.3	17.8	19.2	18.7	32								
36	-	-	-	-	-	13.5	15.1	14.6	14.2	15.5	15.1	36								
40	-	-	-	-	-	-	12.4	12.0	11.6	12.7	12.4	40								
44	-	-	-	-	-	-	-	9.9	9.6	10.7	10.3	44								
48	-	-	-	-	-	-	-	-	8.0	9.1	8.6	48								
52	-	-	-	-	-	-	-	-	-	7.7	7.4	52								
1)	39.9	31.5	24.0	19.4	15.2	11.9	11.0	9.0	7.3	7.3	5.7	1)								

ft													1,000 lbs		ft	
ft	67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft	ft					
14	35.3	-	-	-	-	-	-	-	-	-	-	14				
16	35.3	35.3	-	-	-	-	-	-	-	-	-	16				
18	35.3	35.3	35.3	-	-	-	-	-	-	-	-	18				
20	35.1	35.0	34.8	34.2	31.8	-	-	-	-	-	-	20				
24	29.5	28.4	28.0	28.1	27.4	26.6	24.7	25.7	-	-	-	24				
28	23.4	24.3	23.5	22.6	21.9	21.3	20.6	20.6	19.4	19.5	-	28				
32	18.3	19.4	18.9	18.5	18.0	17.4	17.0	17.2	17.0	16.4	-	32				
36	14.6	15.7	15.3	15.1	14.6	15.0	15.1	14.6	14.2	13.7	-	36				
40	12.0	12.9	12.6	12.2	13.1	12.8	12.4	12.2	12.0	11.6	-	40				
44	10.0	10.9	10.5	10.3	11.0	10.7	10.5	10.3	10.0	9.8	-	44				
48	8.4	9.3	8.9	8.6	9.4	9.1	8.9	8.6	8.4	8.0	-	48				
52	7.0	7.9	7.6	7.2	8.1	7.7	7.4	7.2	7.0	6.8	-	52				
56	5.9	6.8	6.6	6.1	7.0	6.6	6.3	6.1	5.9	5.7	-	56				
60	-	5.8	5.5	5.1	6.0	5.7	5.3	5.1	4.9	4.7	-	60				
64	-	-	4.7	4.4	5.2	4.8	4.5	4.3	4.1	3.9	-	64				
68	-	-	-	3.7	4.4	4.1	3.9	3.6	3.4	3.2	-	68				
72	-	-	-	3.1	3.8	3.6	3.3	2.9	2.7	2.5	-	72				
76	-	-	-	-	-	3.0	2.8	2.4	2.2	1.9	-	76				
80	-	-	-	-	-	-	2.3	2.0	1.8	-	-	80				
84	-	-	-	-	-	-	-	1.6	-	-	-	84				
1)	4.6	4.9	3.7	2.9	3.3	2.4	1.8	1.3	-	-	-	1)				

1) Capacities with horizontal boom

# Operation

MS

11,700 lbs		14.4 ft x 21.0 ft		30°		360°		ASME B30.5				
ft	25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft	ft
1,000 lbs												
10	46.6	48.1	49.9	50.4	50.9	51.3	35.3	35.3	35.3	35.3	-	10
12	45.1	46.3	48.2	49.6	50.1	50.1	35.3	35.3	35.3	35.3	35.3	12
14	43.4	44.9	46.5	48.0	49.0	47.5	35.3	35.3	35.3	35.3	35.3	14
16	40.6	43.0	42.9	42.9	42.8	41.5	35.3	35.3	35.3	35.3	35.3	16
18	35.8	35.5	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	34.6	18
20	-	29.2	30.1	30.9	30.3	29.8	31.4	30.9	30.5	31.6	30.5	20
24	-	-	21.7	22.4	22.0	21.7	23.0	22.6	22.1	23.3	23.0	24
28	-	-	-	17.3	16.9	16.4	17.8	17.3	17.1	18.0	17.8	28
32	-	-	-	-	13.4	13.1	14.2	13.9	13.5	14.5	14.2	32
36	-	-	-	-	-	10.6	11.7	11.3	11.1	12.0	11.7	36
40	-	-	-	-	-	-	9.9	9.4	9.2	10.1	9.7	40
44	-	-	-	-	-	-	-	8.0	7.8	8.5	8.3	44
48	-	-	-	-	-	-	-	-	6.5	7.4	7.2	48
52	-	-	-	-	-	-	-	-	-	6.3	6.1	52
1)	31.3	22.5	17.9	14.6	11.7	9.3	8.8	7.3	6.0	6.0	4.9	1)

ft	67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft	ft
1,000 lbs											
14	35.3	-	-	-	-	-	-	-	-	-	14
16	35.3	35.3	-	-	-	-	-	-	-	-	16
18	33.6	32.5	32.5	-	-	-	-	-	-	-	18
20	29.7	29.9	29.0	28.2	27.3	22.5	-	-	-	-	20
24	22.6	23.5	23.1	22.6	21.8	21.2	20.6	20.9	-	-	24
28	17.5	18.2	18.0	17.7	17.6	18.2	17.8	17.3	16.9	16.4	28
32	14.0	14.7	14.4	14.2	14.8	14.5	14.3	14.1	13.9	13.7	32
36	11.5	12.2	12.0	11.5	12.2	12.0	11.7	11.5	11.3	11.3	36
40	9.4	10.1	9.9	9.7	10.3	10.1	9.9	9.7	9.4	9.2	40
44	8.0	8.7	8.5	8.2	8.7	8.5	8.3	8.2	8.0	7.8	44
48	6.8	7.4	7.2	6.9	7.6	7.4	7.2	6.9	6.7	6.7	48
52	5.9	6.5	6.3	6.1	6.5	6.3	6.1	6.1	5.8	5.6	52
56	5.0	5.7	5.5	5.2	5.7	5.5	5.3	5.2	5.0	4.8	56
60	-	4.9	4.7	4.5	4.9	4.7	4.7	4.5	4.3	4.1	60
64	-	-	4.2	4.0	4.4	4.2	4.0	3.9	3.7	3.5	64
68	-	-	-	3.4	3.9	3.6	3.4	3.4	3.2	3.0	68
72	-	-	-	2.9	3.5	3.3	3.1	2.9	2.7	2.7	72
76	-	-	-	-	-	2.8	2.6	2.6	2.4	2.1	76
80	-	-	-	-	-	-	2.3	2.1	1.9	1.7	80
84	-	-	-	-	-	-	-	1.7	1.5	-	84
1)	4.2	4.2	3.5	2.9	3.1	2.4	2.0	1.3	-	-	1)

1) Capacities with horizontal boom

# Operation

11,700 lbs													7.7 ft x 21.0 ft		30°		360°		ASME B30.5																			
25.6 ft													29.2 ft		33.1 ft		37.1 ft		40.7 ft		44.6 ft		48.6 ft		52.5 ft		56.1 ft		60.0 ft		64.0 ft							
ft													1,000 lbs													ft												
18	15.9	15.5	16.4	16.8	16.4	16.2	17.3	17.0	16.6	17.7	17.3	18																										
20	-	13.1	13.8	14.2	14.0	13.6	14.7	14.4	14.0	15.1	14.7	20																										
24	-	-	10.2	10.6	10.3	10.0	11.1	10.8	10.4	11.3	11.1	24																										
28	-	-	-	8.3	7.9	7.7	8.6	8.3	8.1	8.8	8.5	28																										
32	-	-	-	-	6.2	5.8	6.9	6.5	6.3	7.1	6.8	32																										
36	-	-	-	-	-	4.7	5.5	5.3	5.1	5.8	5.5	36																										
40	-	-	-	-	-	-	4.5	4.2	4.0	4.7	4.5	40																										
44	-	-	-	-	-	-	-	3.4	3.2	3.8	3.6	44																										
48	-	-	-	-	-	-	-	-	2.6	3.2	3.0	48																										
52	-	-	-	-	-	-	-	-	-	2.7	2.5	52																										
1)	14.1	10.1	8.2	6.8	5.3	4.0	4.0	3.1	2.2	2.4	1.8	1)																										

67.6 ft													71.5 ft		75.5 ft		79.4 ft		83.0 ft		86.9 ft		90.9 ft		94.5 ft		98.4 ft		102.4 ft									
ft													1,000 lbs													ft												
18	17.0	17.7	16.8	-	-	-	-	-	-	-	-	18																										
20	14.4	15.1	14.9	14.3	15.0	14.3	-	-	-	-	-	20																										
24	10.8	11.5	11.2	11.0	11.5	11.3	11.0	10.7	-	-	-	24																										
28	8.3	9.0	8.8	8.5	9.0	8.8	8.6	8.5	8.3	7.9	28																											
32	6.6	7.2	6.9	6.7	7.4	7.2	6.9	6.7	6.5	6.4	32																											
36	5.3	6.0	5.5	5.5	6.0	5.8	5.5	5.3	5.3	5.1	36																											
40	4.2	4.9	4.7	4.5	4.9	4.7	4.5	4.5	4.2	4.0	40																											
44	3.4	4.0	3.8	3.6	4.0	3.8	3.8	3.6	3.4	3.3	44																											
48	2.8	3.2	3.0	3.0	3.5	3.2	3.0	2.8	2.8	2.6	48																											
52	2.3	2.7	2.5	2.3	2.9	2.7	2.5	2.3	2.3	2.1	52																											
56	1.7	2.4	2.2	2.0	2.4	2.2	2.0	2.0	-	-	56																											
60	-	1.9	1.7	-	1.9	1.7	1.6	-	-	-	60																											
64	-	-	-	-	1.7	-	-	-	-	-	64																											
1)	-	1.5	-	-	-	-	-	-	-	-	-	1)																										

1) Capacities with horizontal boom

# Operation

MS

11,700 lbs													20.3 ft x 21.0 ft		0°		360°		ASME B30.5	
		25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft								
ft		1,000 lbs											ft							
14		57.1	-	-	-	-	-	-	-	-	-	-	-	14						
16		56.9	55.1	-	-	-	-	-	-	-	-	-	-	16						
18		51.1	50.6	-	-	-	-	-	-	-	-	-	-	18						
20		-	44.9	44.4	-	-	-	-	-	-	-	-	-	20						
24		-	-	35.9	35.5	35.3	-	-	-	-	-	-	-	24						
28		-	-	-	31.2	30.9	30.5	-	-	-	-	-	-	28						
32		-	-	-	-	25.7	25.1	26.7	26.2	-	-	-	-	32						
36		-	-	-	-	-	20.6	21.9	21.5	21.0	-	-	-	36						
40		-	-	-	-	-	-	18.5	18.0	17.6	18.7	18.3	-	40						
44		-	-	-	-	-	-	-	15.4	15.0	16.0	15.6	-	44						
48		-	-	-	-	-	-	-	-	12.8	13.9	13.5	-	48						
52		-	-	-	-	-	-	-	-	-	12.1	11.9	-	52						
1)		39.9	34.4	30.6	27.3	22.3	18.1	16.5	13.9	11.9	11.5	9.7		1)						

		67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft		
ft		1,000 lbs										ft	
44		15.4	-	-	-	-	-	-	-	-	-	-	44
48		13.2	14.1	13.7	-	-	-	-	-	-	-	-	48
52		11.4	12.3	11.9	-	-	-	-	-	-	-	-	52
56		10.1	10.9	10.5	10.3	10.1	10.1	-	-	-	-	-	56
60		-	9.7	9.4	9.0	9.1	9.4	9.2	-	-	-	-	60
64		-	-	8.4	8.0	8.4	8.4	8.2	7.9	-	-	-	64
68		-	-	7.5	7.1	7.8	7.5	7.2	7.0	6.8	6.6	-	68
72		-	-	-	6.4	7.1	6.6	6.4	6.2	6.0	5.8	-	72
76		-	-	-	-	-	6.1	5.7	5.4	5.2	5.0	-	76
80		-	-	-	-	-	-	5.1	4.9	4.7	4.4	-	80
84		-	-	-	-	-	-	-	4.4	4.1	3.7	-	84
88		-	-	-	-	-	-	-	-	3.6	3.3	-	88
92		-	-	-	-	-	-	-	-	-	2.9	-	92
1)		8.4	8.4	7.1	6.2	6.2	5.3	4.4	3.7	3.1	2.4		1)

1) Capacities with horizontal boom

# Operation

MS

6,400 lbs													20.3 ft x 21.0 ft		0°		360°		ASME B30.5	
		25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft								
ft		1,000 lbs											ft							
14		57.1	-	-	-	-	-	-	-	-	-	-	14							
16		55.1	54.1	-	-	-	-	-	-	-	-	-	16							
18		48.9	48.4	-	-	-	-	-	-	-	-	-	18							
20		-	42.9	42.4	-	-	-	-	-	-	-	-	20							
24		-	-	34.6	34.9	34.6	-	-	-	-	-	-	24							
28		-	-	-	28.5	27.8	27.4	-	-	-	-	-	28							
32		-	-	-	-	21.9	21.5	23.0	22.6	-	-	-	32							
36		-	-	-	-	-	17.3	18.8	18.4	17.9	-	-	36							
40		-	-	-	-	-	-	15.7	15.2	14.9	16.1	15.7	40							
44		-	-	-	-	-	-	-	12.9	12.5	13.6	13.2	44							
48		-	-	-	-	-	-	-	-	10.6	11.7	11.3	48							
52		-	-	-	-	-	-	-	-	-	10.1	9.9	52							
1)		39.9	34.4	29.1	23.6	19.0	15.2	14.1	11.7	9.9	9.5	7.9	1)							

		67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft		
ft		1,000 lbs										ft	
44		12.9	-	-	-	-	-	-	-	-	-	44	
48		11.1	11.7	11.5	-	-	-	-	-	-	-	48	
52		9.5	10.3	9.9	-	-	-	-	-	-	-	52	
56		8.3	9.0	8.8	8.3	9.2	8.8	-	-	-	-	56	
60		-	8.0	7.7	7.2	8.0	7.7	7.5	-	-	-	60	
64		-	-	6.7	6.3	7.2	6.7	6.5	6.3	-	-	64	
68		-	-	5.9	5.5	6.4	5.9	5.7	5.5	5.2	5.0	68	
72		-	-	-	4.9	5.5	5.3	4.9	4.7	4.4	4.2	72	
76		-	-	-	-	-	4.6	4.3	4.1	3.9	3.6	76	
80		-	-	-	-	-	-	3.8	3.6	3.4	3.0	80	
84		-	-	-	-	-	-	-	3.0	2.8	2.6	84	
88		-	-	-	-	-	-	-	-	2.3	2.1	88	
92		-	-	-	-	-	-	-	-	-	1.8	92	
1)		6.6	6.6	5.5	4.6	4.9	4.0	3.3	2.6	2.0	1.5	1)	

1) Capacities with horizontal boom

# Operation

MS

0 lbs													20.3 ft x 21.0 ft													0°													360°													ASME B30.5																																																																																										
25.6 ft													29.2 ft													33.1 ft													37.1 ft													40.7 ft													44.6 ft													48.6 ft													52.5 ft													56.1 ft													60.0 ft													64.0 ft												
ft													1,000 lbs													ft																																																																																																																				
14	57.1	-	-	-	-	-	-	-	-	-	-	-	14																																																																																																																																	
16	52.8	51.8	-	-	-	-	-	-	-	-	-	-	16																																																																																																																																	
18	46.2	45.6	-	-	-	-	-	-	-	-	-	-	18																																																																																																																																	
20	-	40.4	39.9	-	-	-	-	-	-	-	-	-	20																																																																																																																																	
24	-	-	30.1	31.0	30.2	-	-	-	-	-	-	-	24																																																																																																																																	
28	-	-	-	23.2	22.5	21.9	-	-	-	-	-	-	28																																																																																																																																	
32	-	-	-	-	17.5	17.0	18.5	18.1	-	-	-	-	32																																																																																																																																	
36	-	-	-	-	-	13.5	15.1	14.4	14.0	-	-	-	36																																																																																																																																	
40	-	-	-	-	-	-	12.4	11.8	11.5	12.7	12.2	-	40																																																																																																																																	
44	-	-	-	-	-	-	-	9.9	9.6	10.5	10.3	-	44																																																																																																																																	
48	-	-	-	-	-	-	-	-	8.0	8.9	8.6	-	48																																																																																																																																	
52	-	-	-	-	-	-	-	-	-	7.7	7.2	-	52																																																																																																																																	
1)	39.9	30.6	23.6	19.0	15.0	11.7	11.0	8.8	7.3	7.1	5.7	1)																																																																																																																																		

67.6 ft													71.5 ft													75.5 ft													79.4 ft													83.0 ft													86.9 ft													90.9 ft													94.5 ft													98.4 ft													102.4 ft												
ft													1,000 lbs													ft																																																																																																							
44	9.8	-	-	-	-	-	-	-	-	-	-	-	44																																																																																																																				
48	8.2	9.1	8.9	-	-	-	-	-	-	-	-	-	48																																																																																																																				
52	7.0	7.9	7.4	-	-	-	-	-	-	-	-	-	52																																																																																																																				
56	5.9	6.8	6.3	6.1	6.8	6.6	-	-	-	-	-	-	56																																																																																																																				
60	-	5.8	5.5	5.1	5.9	5.5	5.3	-	-	-	-	-	60																																																																																																																				
64	-	-	4.6	4.3	5.1	4.7	4.5	4.2	-	-	-	-	64																																																																																																																				
68	-	-	3.9	3.6	4.4	4.1	3.7	3.5	3.3	3.0	-	-	68																																																																																																																				
72	-	-	-	3.1	3.8	3.6	3.1	2.9	2.7	2.4	-	-	72																																																																																																																				
76	-	-	-	-	-	3.0	2.6	2.4	2.1	1.9	-	-	76																																																																																																																				
80	-	-	-	-	-	-	2.3	2.0	1.7	-	-	-	80																																																																																																																				
84	-	-	-	-	-	-	-	1.6	-	-	-	-	84																																																																																																																				
1)	4.6	4.9	3.7	2.9	3.1	2.4	1.8	1.3	-	-	-	1)																																																																																																																					

1) Capacities with horizontal boom



# Operation

MS

11,700 lbs		14.4 ft x 21.0 ft		0°		360°		ASME B30.5				
ft	25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft	ft
1,000 lbs												
14	55.0	-	-	-	-	-	-	-	-	-	-	14
16	45.3	44.4	-	-	-	-	-	-	-	-	-	16
18	35.9	35.0	-	-	-	-	-	-	-	-	-	18
20	-	29.0	29.8	-	-	-	-	-	-	-	-	20
24	-	-	21.7	22.4	21.7	-	-	-	-	-	-	24
28	-	-	-	17.1	16.7	16.2	-	-	-	-	-	28
32	-	-	-	-	13.3	12.9	14.1	13.8	-	-	-	32
36	-	-	-	-	-	10.6	11.7	11.3	10.9	-	-	36
40	-	-	-	-	-	-	9.7	9.4	9.0	9.9	9.7	40
44	-	-	-	-	-	-	-	8.0	7.6	8.5	8.2	44
48	-	-	-	-	-	-	-	-	6.5	7.4	6.9	48
52	-	-	-	-	-	-	-	-	-	6.3	6.1	52
1)	30.4	22.0	17.4	14.3	11.5	9.3	8.8	7.3	6.0	6.0	4.9	1)

ft	67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft	ft
1,000 lbs											
44	7.8	-	-	-	-	-	-	-	-	-	44
48	6.7	7.4	7.2	-	-	-	-	-	-	-	48
52	5.8	6.5	6.1	-	-	-	-	-	-	-	52
56	5.0	5.7	5.3	5.0	5.7	5.5	-	-	-	-	56
60	-	4.9	4.7	4.5	4.9	4.7	4.5	-	-	-	60
64	-	-	4.2	4.0	4.4	4.2	4.0	3.7	-	-	64
68	-	-	3.6	3.4	3.9	3.6	3.4	3.2	3.1	3.0	68
72	-	-	-	2.9	3.3	3.1	3.1	2.9	2.7	2.4	72
76	-	-	-	-	-	2.8	2.6	2.4	2.2	2.1	76
80	-	-	-	-	-	-	2.3	2.1	1.9	1.7	80
84	-	-	-	-	-	-	-	1.7	1.5	-	84
1)	4.2	4.2	3.5	2.9	3.1	2.4	2.0	1.3	-	-	1)

1) Capacities with horizontal boom

# Operation

MS

11,700 lbs		7.7 ft x 21.0 ft										0°		360°		ASME B30.5	
		25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft					
ft	1,000 lbs											ft					
18	15.9	15.3	-	-	-	-	-	-	-	-	-	-	18				
20	-	12.9	13.6	-	-	-	-	-	-	-	-	-	20				
24	-	-	10.1	10.5	10.1	-	-	-	-	-	-	-	24				
28	-	-	-	8.1	7.7	7.5	-	-	-	-	-	-	28				
32	-	-	-	-	6.1	5.8	6.7	6.5	-	-	-	-	32				
36	-	-	-	-	-	4.7	5.5	5.1	4.9	-	-	-	36				
40	-	-	-	-	-	-	4.5	4.2	3.9	4.7	4.3	-	40				
44	-	-	-	-	-	-	-	3.4	3.1	3.8	3.6	-	44				
48	-	-	-	-	-	-	-	-	2.6	3.2	3.0	-	48				
52	-	-	-	-	-	-	-	-	-	2.7	2.5	-	52				
1)	13.7	9.9	8.2	6.8	5.3	4.0	4.0	3.1	2.2	2.4	1.8	1)					

		67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft		
ft	1,000 lbs											ft	
44	3.3	-	-	-	-	-	-	-	-	-	-	-	44
48	2.8	3.2	3.0	-	-	-	-	-	-	-	-	-	48
52	2.3	2.7	2.5	-	-	-	-	-	-	-	-	-	52
56	1.7	2.2	2.0	1.7	2.4	2.2	-	-	-	-	-	-	56
60	-	1.9	1.6	-	1.9	1.7	-	-	-	-	-	-	60
64	-	-	-	-	1.5	-	-	-	-	-	-	-	64
1)	-	1.3	-	-	-	-	-	-	-	-	-	-	1)

1) Capacities with horizontal boom

# Operation

MS

11,700 lbs		20.3 ft x 21.0 ft		-20°		360°		ASME B30.5				
ft	25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft	ft
1,000 lbs												
18	51.1	-	-	-	-	-	-	-	-	-	-	18
20	-	44.7	-	-	-	-	-	-	-	-	-	20
28	-	-	-	31.2	-	-	-	-	-	-	-	28
32	-	-	-	-	25.6	-	-	-	-	-	-	32
36	-	-	-	-	-	20.4	-	-	-	-	-	36
40	-	-	-	-	-	-	18.5	-	-	-	-	40
44	-	-	-	-	-	-	-	15.4	-	-	-	44
48	-	-	-	-	-	-	-	-	12.8	13.9	-	48
52	-	-	-	-	-	-	-	-	-	12.1	-	52
1)	39.9	34.4	-	27.6	22.5	18.1	16.8	14.1	11.9	11.5	-	1)

ft	67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft	ft
1,000 lbs											
56	10.1	-	-	-	-	-	-	-	-	-	56
60	-	9.7	-	-	-	-	-	-	-	-	60
64	-	-	8.3	-	-	-	-	-	-	-	64
68	-	-	7.5	7.0	-	-	-	-	-	-	68
72	-	-	-	6.2	7.1	-	-	-	-	-	72
76	-	-	-	-	-	5.9	5.7	-	-	-	76
80	-	-	-	-	-	-	5.1	4.7	-	-	80
84	-	-	-	-	-	-	-	4.3	3.9	-	84
88	-	-	-	-	-	-	-	-	3.6	3.2	88
92	-	-	-	-	-	-	-	-	-	2.9	92
1)	8.6	8.4	7.1	6.2	6.2	5.3	4.4	3.7	3.1	2.4	1)

1) Capacities with horizontal boom

# Operation

MS

6,400 lbs		20.3 ft x 21.0 ft										- 20°		360°		ASME B30.5	
		25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft					
ft		1,000 lbs										ft					
18	48.7	-	-	-	-	-	-	-	-	-	-	-	18				
20	-	42.7	-	-	-	-	-	-	-	-	-	-	20				
28	-	-	-	28.3	-	-	-	-	-	-	-	-	28				
32	-	-	-	-	21.9	-	-	-	-	-	-	-	32				
36	-	-	-	-	-	17.3	-	-	-	-	-	-	36				
40	-	-	-	-	-	-	15.7	-	-	-	-	-	40				
44	-	-	-	-	-	-	-	12.9	-	-	-	-	44				
48	-	-	-	-	-	-	-	-	10.6	11.7	-	-	48				
52	-	-	-	-	-	-	-	-	-	10.1	-	-	52				
1)	39.9	34.4	-	23.8	19.2	15.4	14.1	11.7	9.9	9.5	-	-	1)				

		67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft		
ft		1,000 lbs										ft	
56	8.1	-	-	-	-	-	-	-	-	-	-	-	56
60	-	7.9	-	-	-	-	-	-	-	-	-	-	60
64	-	-	6.6	-	-	-	-	-	-	-	-	-	64
68	-	-	5.9	5.5	-	-	-	-	-	-	-	-	68
72	-	-	-	4.9	5.5	-	-	-	-	-	-	-	72
76	-	-	-	-	-	4.6	4.3	-	-	-	-	-	76
80	-	-	-	-	-	-	3.8	3.4	-	-	-	-	80
84	-	-	-	-	-	-	-	3.0	2.7	-	-	-	84
88	-	-	-	-	-	-	-	-	2.3	2.1	-	-	88
92	-	-	-	-	-	-	-	-	-	1.8	-	-	92
1)	6.8	6.8	5.5	4.6	4.9	4.0	3.3	2.6	2.0	1.5	-	-	1)

0 lbs		20.3 ft x 21.0 ft										- 20°		360°		ASME B30.5	
		25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft					
ft		1,000 lbs										ft					
18	46.0	-	-	-	-	-	-	-	-	-	-	-	18				
20	-	40.1	-	-	-	-	-	-	-	-	-	-	20				
28	-	-	-	23.0	-	-	-	-	-	-	-	-	28				
32	-	-	-	-	17.4	-	-	-	-	-	-	-	32				
36	-	-	-	-	-	13.3	-	-	-	-	-	-	36				
40	-	-	-	-	-	-	12.2	-	-	-	-	-	40				
44	-	-	-	-	-	-	-	9.8	-	-	-	-	44				
48	-	-	-	-	-	-	-	-	7.8	8.9	-	-	48				
52	-	-	-	-	-	-	-	-	-	7.7	-	-	52				
1)	39.9	31.1	-	19.2	15.0	11.7	11.0	8.8	7.3	7.1	-	-	1)				

		67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft		
ft		1,000 lbs										ft	
56	5.7	-	-	-	-	-	-	-	-	-	-	-	56
60	-	5.8	-	-	-	-	-	-	-	-	-	-	60
64	-	-	4.6	-	-	-	-	-	-	-	-	-	64
68	-	-	3.9	3.6	-	-	-	-	-	-	-	-	68
72	-	-	-	3.1	3.8	-	-	-	-	-	-	-	72
76	-	-	-	-	-	2.8	2.6	-	-	-	-	-	76
80	-	-	-	-	-	-	2.1	1.9	-	-	-	-	80
84	-	-	-	-	-	-	-	1.6	-	-	-	-	84
1)	4.6	4.9	3.7	2.9	3.1	2.4	1.8	1.3	-	-	-	-	1)

1) Capacities with horizontal boom

# Operation

MS

11,700 lbs		14.4 ft x 21.0 ft		- 20°		360°		ASME B30.5			
25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft	
1,000 lbs											
18	35.7	-	-	-	-	-	-	-	-	-	18
20	-	28.6	-	-	-	-	-	-	-	-	20
28	-	-	-	17.1	-	-	-	-	-	-	28
32	-	-	-	-	13.3	-	-	-	-	-	32
36	-	-	-	-	-	10.4	-	-	-	-	36
40	-	-	-	-	-	-	9.7	-	-	-	40
44	-	-	-	-	-	-	-	7.8	-	-	44
48	-	-	-	-	-	-	-	-	6.5	7.2	48
52	-	-	-	-	-	-	-	-	-	6.3	52
1)	30.9	22.3	-	14.6	11.7	9.3	8.8	7.3	6.0	6.0	1)

67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft	
1,000 lbs										
56	5.0	-	-	-	-	-	-	-	-	56
60	-	4.9	-	-	-	-	-	-	-	60
64	-	-	4.0	-	-	-	-	-	-	64
68	-	-	3.6	3.4	-	-	-	-	-	68
72	-	-	-	2.9	3.3	-	-	-	-	72
76	-	-	-	-	-	2.8	2.6	-	-	76
80	-	-	-	-	-	-	2.3	2.0	-	80
84	-	-	-	-	-	-	-	1.6	1.4	84
1)	4.2	4.2	3.5	2.9	3.1	2.4	2.0	1.3	-	1)





11,700 lbs		7.7 ft x 21.0 ft		- 20°		360°		ASME B30.5			
25.6 ft	29.2 ft	33.1 ft	37.1 ft	40.7 ft	44.6 ft	48.6 ft	52.5 ft	56.1 ft	60.0 ft	64.0 ft	
1,000 lbs											
18	15.7	-	-	-	-	-	-	-	-	-	18
20	-	12.7	-	-	-	-	-	-	-	-	20
28	-	-	-	8.1	-	-	-	-	-	-	28
32	-	-	-	-	6.1	-	-	-	-	-	32
36	-	-	-	-	-	4.4	-	-	-	-	36
40	-	-	-	-	-	-	4.5	-	-	-	40
44	-	-	-	-	-	-	-	3.3	-	-	44
48	-	-	-	-	-	-	-	-	2.4	3.0	48
52	-	-	-	-	-	-	-	-	-	2.7	52
1)	13.9	9.9	-	6.8	5.3	4.0	4.0	3.1	2.2	2.4	1)





67.6 ft	71.5 ft	75.5 ft	79.4 ft	83.0 ft	86.9 ft	90.9 ft	94.5 ft	98.4 ft	102.4 ft	
1,000 lbs										
60	-	1.9	-	-	-	-	-	-	-	60
1)	-	1.3	-	-	-	-	-	-	-	1)





1) Capacities with horizontal boom





# Operation





MS





11,700 lbs  0°*  30° ASME B30.5					
		25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs				
10	36.6	36.0	35.5	35.3	
12	31.7	31.1	30.7	30.5	
14	27.8	27.4	26.9	26.3	
16	24.6	24.0	23.4	22.2	
18	21.2	20.4	19.9	19.0	
20	-	17.0	16.3	16.1	
24	-	12.3	11.6	11.6	
28	-	-	8.7	8.5	
32	-	-	6.5	6.4	
36	-	-	-	4.9	
1)	18.7	9.7	5.5	4.0	

11,700 lbs  0°*  0° ASME B30.5					
		25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs				
14	27.6	-	-	-	
16	24.4	-	-	-	
18	21.2	-	-	-	
20	-	16.7	-	-	
24	-	12.0	11.4	-	
28	-	-	8.5	8.3	
32	-	-	6.5	6.3	
36	-	-	-	4.7	
1)	18.1	9.5	5.3	4.0	

11,700 lbs  180°**  30° ASME B30.5					
		25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs				
10	26.8	26.1	25.7	25.5	
12	23.0	22.3	21.9	21.9	
14	20.0	19.3	18.9	18.8	
16	17.5	16.8	16.5	16.3	
18	15.3	14.8	14.4	14.2	
20	-	13.0	12.8	12.5	
24	-	10.3	9.9	9.8	
28	-	-	7.9	7.7	
32	-	-	6.1	6.1	
36	-	-	-	4.7	
1)	14.1	8.6	5.1	4.0	

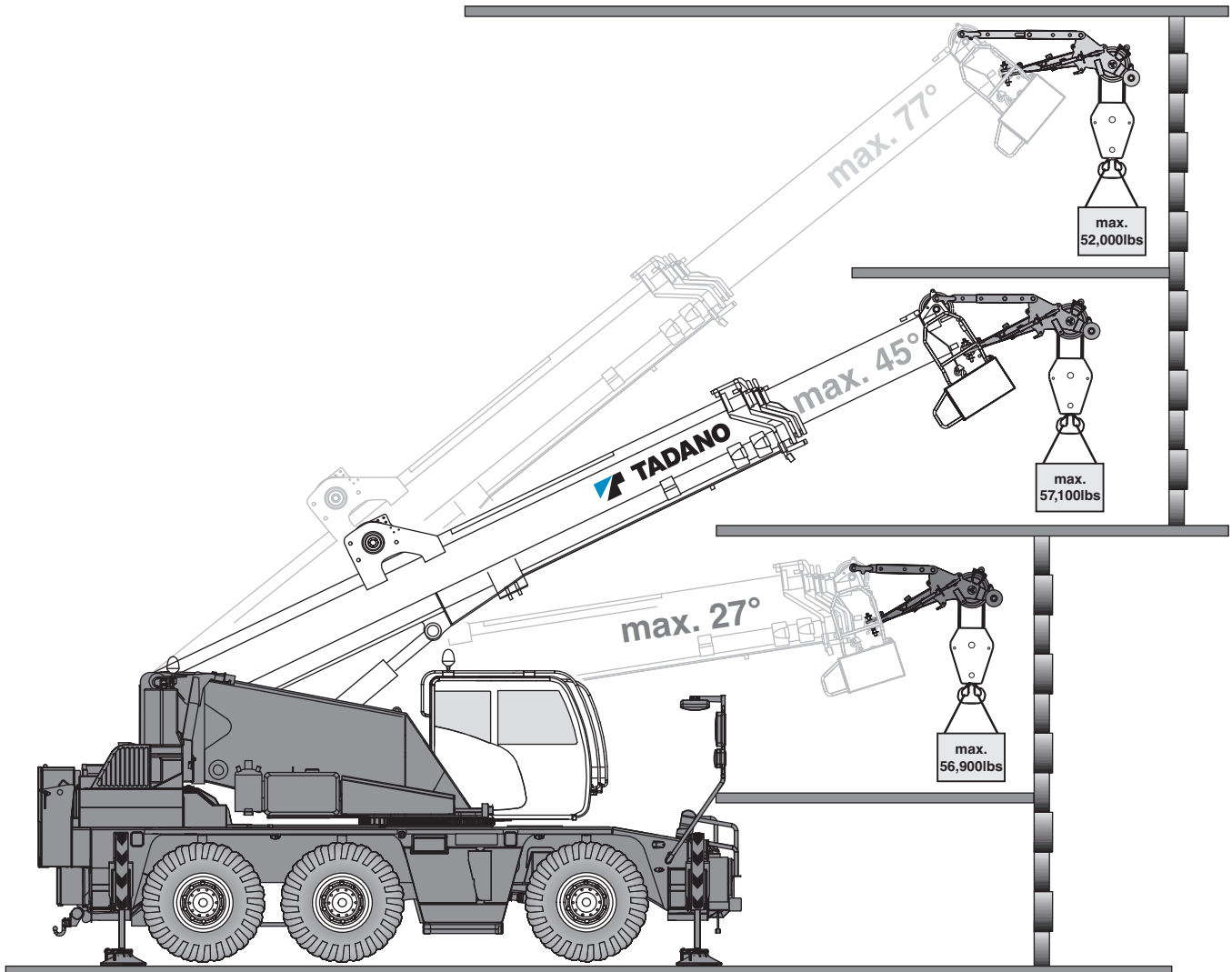
11,700 lbs  180°**  0° ASME B30.5					
		25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs				
14	19.7	-	-	-	
16	17.2	-	-	-	
18	15.3	-	-	-	
20	-	12.8	-	-	
24	-	10.1	9.7	-	
28	-	-	7.7	7.5	
32	-	-	6.1	5.8	
36	-	-	-	4.7	
1)	13.7	8.4	5.1	3.7	

11,700 lbs  360°  30° ASME B30.5					
		25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs				
16	13.4	12.8	12.3	12.1	
18	11.3	10.8	10.4	10.2	
20	-	9.3	8.8	8.6	
24	-	6.7	6.3	6.3	
28	-	-	4.6	4.4	
32	-	-	3.1	2.9	
36	-	-	-	1.8	
1)	10.1	5.1	2.4	1.3	

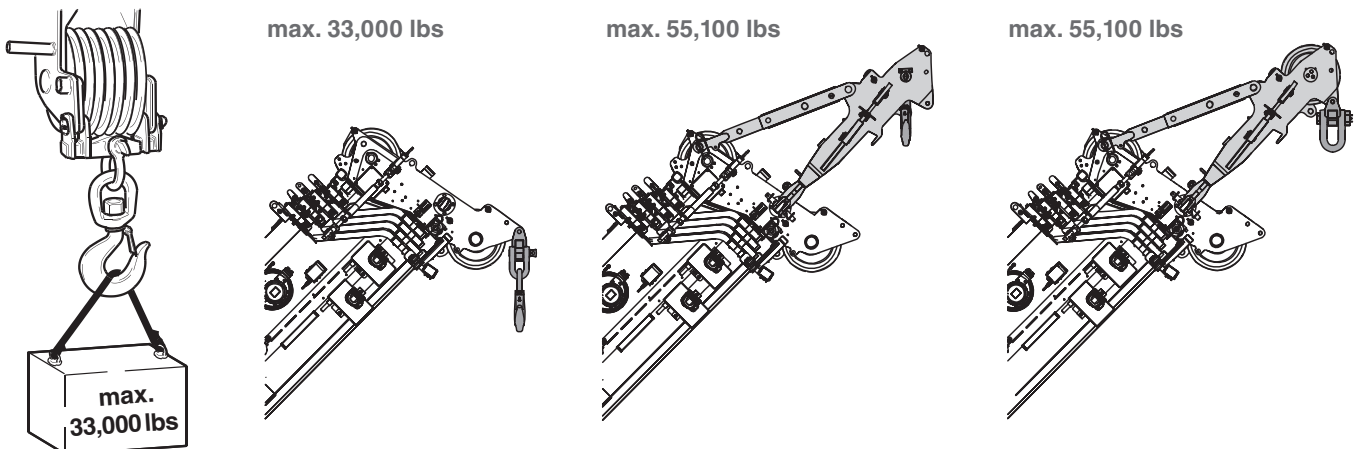
11,700 lbs  360°  0° ASME B30.5					
		25.6 ft	33.1 ft	40.7 ft	44.6 ft
ft	1,000 lbs				
16	13.2	-	-	-	
18	11.3	-	-	-	
20	-	9.0	-	-	
24	-	6.5	6.1	-	
28	-	-	4.4	4.1	
32	-	-	3.0	2.9	
36	-	-	-	1.8	
1)	9.9	5.1	2.2	-	

1) Capacities with horizontal boom      \* over rear      \*\* over front

## Runner



## Hook traverse



# Notes to Lifting Capacity

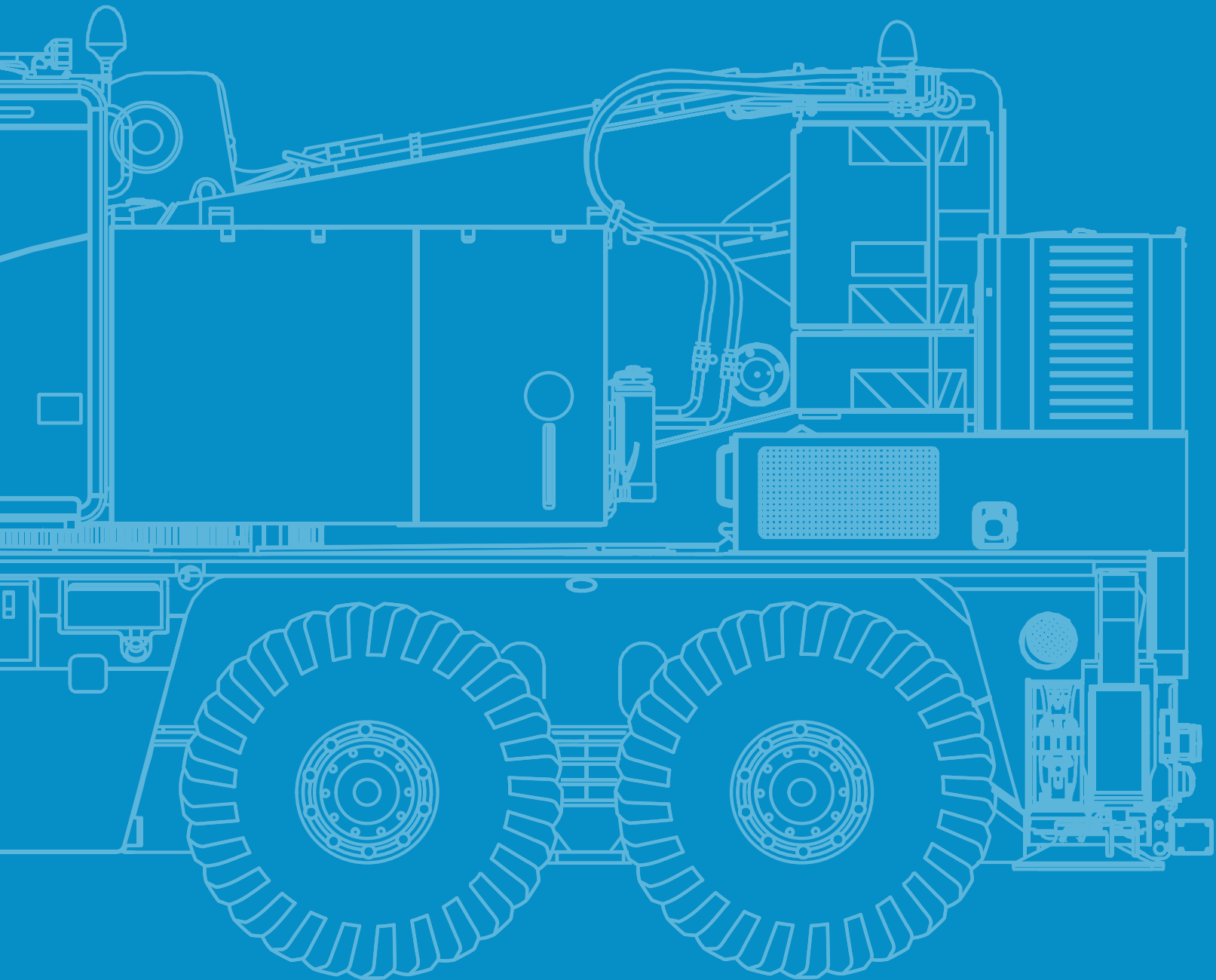
Ratings are in compliance with ASME B30.5.  
Lifting capacities do not exceed 85 % of tipping load.

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

<b>Engine 260-5</b>	Mercedes-Benz OM936LA; Diesel engine; 260 kW / 2200 1/min (348 HP), torque 1450 Nm / 1200-1600 1/min; The engine complies with EU Stage V / Tier 4F; Exhaust system complete stainless steel with SCR catalyzer.
<b>Fuel tank</b>	79 gallons Diesel (no RME / biodiesel); 11 gallons AdBlue tank.
<b>Transmission Allison</b>	Automated gearbox with torque converter, 6 forward speeds and 1 reverse; 2-stage transfer case with switchable off-road gear and switchable longitudinal lock.
<b>Axles 6 x 4 x 6</b>	All 3 axles steered, axles 1 and 3 are driven and equipped with selectable transverse lock.
<b>Suspension</b>	Hydropneumatic suspension with axle load compensation; Hydraulically lockable; Manual or automatic levelling alternatively.
<b>Steering</b>	Dual circuit hydro semiblock steering with emergency steering pump; Active rear axle steering.
<b>Brakes</b>	Pneumatic dual circuit service brake with antilock system, acting on all wheels; Disk brakes; Additional decompression brake; Spring-loaded parking brake.
<b>Tires</b>	Tire size 445/65 R22.5 (18.00 R22.5); Steel rim 14-22.5.
<b>Drive lights</b>	Including low beam, upper beam, daytime running lights.
<b>Central lubrication</b>	Automatic central lubrication system for the lubricating points at the carrier.
<b>Outriggers</b>	H-4-Point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively; 3 outrigger bases of 7.7 ft, 14.4 ft, 20.3 ft. 4 round outrigger pads A = 0.66 ft <sup>2</sup> with transport position at vertical cylinder; Polyamide.
<b>Pneumatic tire filling plug</b>	For self-filling of the wheels.

### Equipment superstructure

<b>Telescopic boom HA31</b>	25.6 ft - 102.4 ft; Fully hydraulic telescoping system; Attachments for all equipment and extensions; 5 sheaves integrated in boom head for max. capacity of 88,200 lbs.
<b>Boom luffing</b>	Single luffing cylinder with automatic lowering brake valve.
<b>Rotary drive</b>	Single slewing gear unit with spring-loaded multi-disc brake.
<b>H1</b>	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. hoist monitoring.
<b>Counterweight 11,700 lbs</b>	3 pieces (①-③); Fully roadable in 26,500 lbs axle load limit.
<b>Control system</b>	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits.
<b>Operator aids</b>	IC-1, with Integrated load moment indicator acc. EN13000; Color display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger.
<b>IC-1 Plus incl. Flex Base</b>	Smart crane control system for main boom and runner configuration enabling higher lifting capacities especially over outriggers. Enables safe use of the full capacity of the crane even in asymmetric outrigger configurations. Flexible and independent outrigger positioning possible. Capacity precalculation for +/- 30° slewing angle and radius area. In-cab lift simulation.
<b>IC-1 Remote</b>	IC-1 Remote, Tadano telematic system.
<b>Outrigger basis monitoring</b>	Surveillance of each outrigger beam for detection of horizontal stroke; Warning in case of anomaly in crane cabin (Attention: There is no automatic linkage with the LMI-system).
<b>Outrigger load indicator</b>	The outrigger load is indicated in the crane cabin and the outrigger control box.
<b>Working range limiter</b>	Displaying and programmability of the work range limits by IC-1.
<b>Cab 875</b>	Type 2.87 ft; Steering wheel height and tilt adjustable; Seat heating; Tinted glass; Power mirrors with heater; Handrails; Pull-down sun visor and light curtains; Radio; Seat heating; Heating engine-independent; Aircondition.
<b>Rear view camera:</b>	Display in carrier cab; Cameras installed on rear of vehicle.
<b>Electronic immobilizer system</b>	Prevents uncontrolled carrier mobilization; Incl. 5 ignition keys.
<b>Central lubrication</b>	Automatic central lubrication system for the lubricating points at the superstructure.

# Technical Description

## Additional equipment

### Carrier

<b>Engine 260-3</b>	Mercedes-Benz OM936LA; Diesel engine; 260 kW / 2200 1/min (348 HP), torque 1400 Nm / 1200-1600 1/min; The engine complies with ECE R96 (equivalent to former regulation EU Stage III A / Tier 3); Exhaust system complete stainless steel incl. spark arrester certificate.
<b>Axles 6 x 6 x 6</b>	All 3 axles steered, axles 1 and 3 permanently driven; Axle 2 connectable with longitudinal lock; All 3 axles equipped with shiftable transverse lock.
<b>CombiBox tail</b>	Storage box for crane equipment at carrier tail.
<b>Hook storage</b>	Storage for single line hook at carrier front.
<b>Timber storage front</b>	Storage for 20 x squared timber 10 x 10 x 3.3 ft at carrier front incl. lashing for secure stowage.

### Superstructure

<b>2. hoist (H2)</b>	Spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. quick couplings.
<b>Load supervision camera</b>	Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head.

### Handling

<b>Remote control</b>	Control of superstructure operations via wireless remote control.
<b>E-Pack</b>	Electro-hydraulic pump aggregate for emission free crane operation.

### Extensions

<b>HAV 23.3 ft</b>	Swing-away jib, manual offset 30°; 1-sheaved head; Incl. transport storage.
<b>HAV 42.7 ft</b>	Double folding swing-away jib, manual offset 30°; 1-sheaved head; Incl. transport storage; Includes HAV 23.3 ft.
<b>MS (runner)</b>	4.3 ft; Variable assembly jib (runner) with manual offset; 3 sheaves; Max. capacity 57,100 lbs.
<b>Hook traverse 55,100 lbs</b>	For runner, installation in sheave axis; Incl. hook; Note: sheave axis needs to be removed.
<b>Boom head traverse 55,100 lbs</b>	For runner, installation in front of sheave axis; Incl. shackle.
<b>Boom head traverse 33,000 lbs</b>	Boom head traverse for main boom head or runner; Incl. shackle and hook.

### Hook Blocks

<b>Hook block 110,200 lbs, 5-sheaves</b>	Max. capacity of 88,200 lbs; 904 lbs; Double hook, red with white signal stripes.
<b>Hook block 70,600 lbs, 3-sheaves</b>	Max. capacity of 66,200 lbs; 772 lbs; Double hook, red with white signal stripes.
<b>Hook block 35,300 lbs, 1-sheave</b>	Max. capacity of 29,000 lbs; 496 lbs; Single hook, red with white signal stripes.
<b>Hook 11,000 lbs</b>	Max. capacity of 9,700 lbs; 287 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.

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



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