

GMK6300L-1

Product Guide

ASME B30.5
Imperial 85%



Features

- 300 t (350 USt) capacity class
- 15,6 m - 80 m (51 ft - 263 ft) seven-section full power MEGAFORM™ boom with TWIN-LOCK™ pinning
- 12 m - 21 m (39 ft - 69 ft) hydraulic offset bi-fold swingaway
- 2 x 8 m (26 ft) intermediate lattice inserts
- 92,5 t (203,900 lb) counterweight with hydraulic removal system
- MEGATRAK™ independent suspension
- Allison 4500 SP transmission

GROVE GMK6300L-1

Features

> MEGATRAK®

The MEGATRAK® suspension system is the best off road driveline available on the market today. The system's versatility and performance allows the GMK6300L-1 to operate as a true all-terrain crane. The MEGATRAK® independent suspension and all-wheel steer system allows wheels to remain on the ground at all times so stresses and weight are not continually transferred between axles. MEGATRAK® provides true ground clearance where others just raise the chassis.

Other benefits of the MEGATRAK® system are:

- Excellent job site maneuverability with all-wheel steering
- Commonality among almost all models
- A driveline that remains aligned at all times
- A steering linkage system that is protected against damage
- Constant tire contact for equal tire wear
- Reduced maintenance
- A reliable suspension system

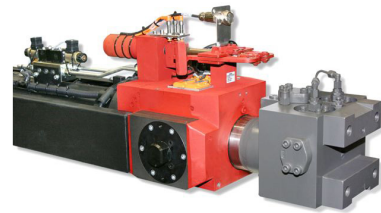


> TWIN-LOCK™

Boom pinning mechanism automatically pins the sections in position using two horizontal pins.

> ECOS

Electronic Crane Operating System - ECOS enables control of the entire crane's principle operations. Simple programming eases lift planning and a supply of essential information allows full concentration on the lift itself.



> EKS 5

The EKS 5 monitors the lifting conditions of the crane at all times and provides a full graphic display, rear lighting, graphic of boom telescoping percentage, and load charts.



Jobsite benefits

- Higher and Stronger: With a maximum boom and extension tip height of 394 ft (120 m) the crane is still able to lift 2.3 USt (2,1 t).
- Be flexible and save logistic costs thanks to interchangeable self-rigging auxiliary hoist and a flexible counterweight.
- Five outrigger positions provide ultimate flexibility for job sites with the ability to position the crane in tighter spaces.
- MEGATRAK™ independent suspension, all-wheel steering system and steer by wire technology provides increased ground clearance, adjustable suspension and reduces tire-wear to provide maximum maneuverability in all-terrains.
- Human Machine Interface (HMI) allows for control of the MEGATRAK™ suspension system from both sides of the carrier allowing for adjustment of ground clearance independent of the outriggers.



What you need, when you need it.

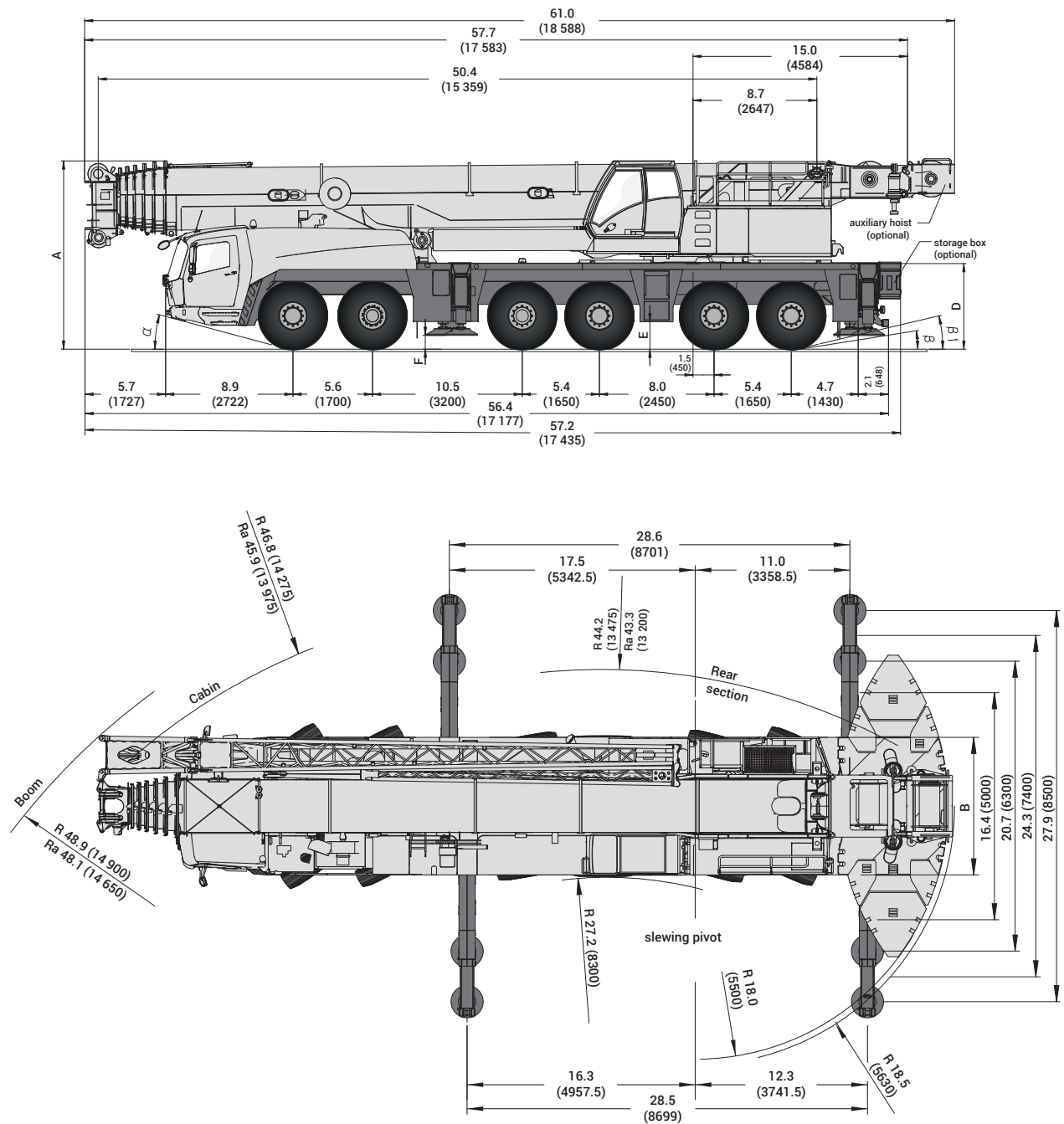
Get right to work with the right equipment — Manitowoc Finance gives you access to flexible, affordable financing you can use to seize profitable new opportunities as they arise.

Feel confident in your investment — rest easy with the assurance of the world's most advanced crane service and support network.

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Dimensions



Ra = Radius all wheels steered

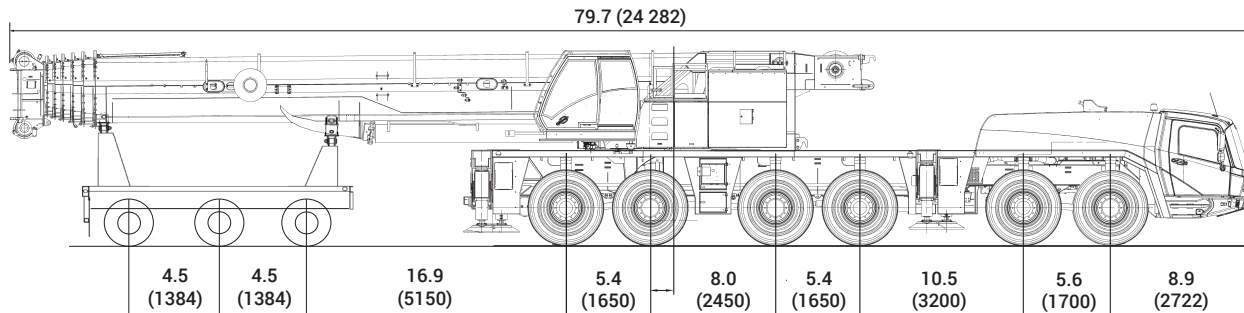
Dimensions are shown in ft (mm)

	A	A 130 mm**	B	C	D	E	F	a	b	b ₁
385/95 R25	13.0 (3950)	12.5 (3820)	9.8 (3000)	8.4 (2570)	5.9 (1802)	1.8 (536)	0.8 (245)	14	8	6
445/95 R25	13.1 (4000)	12.7 (3870)	9.8 (3000)	8.2 (2510)	6.1 (1852)	1.9 (586)	1.0 (295)	16	10	8
525/80 R25	13.1 (4000)	12.7 (3870)	10.2 (3120)	8.3 (2530)	6.1 (1852)	1.9 (586)	1.0 (295)	16	10	8

** Lowered

Weights

Trailing Boom



Dimensions are shown in ft (mm)

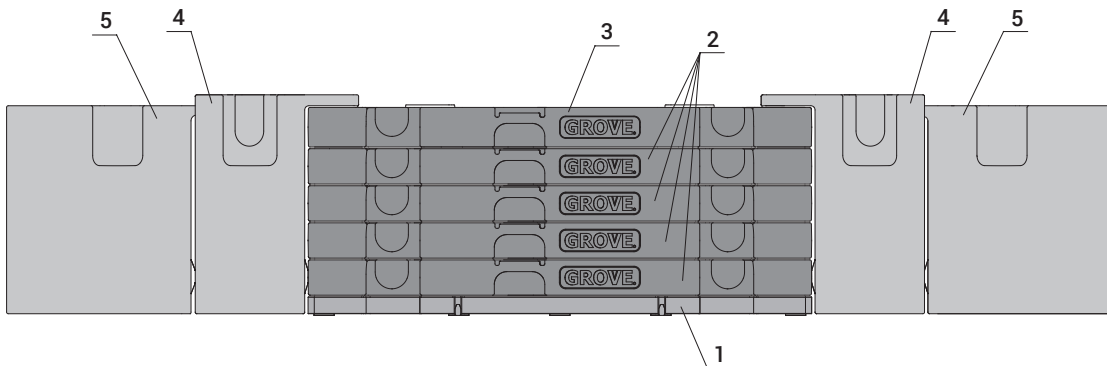
Basic Weights - lb (kg)	Axles 1 and 2		Axles 3 - 6		Three dolly axle		Total	
GMK6300L-1 Tier 4 Final, Mercedes-Benz power with 20.5 R25 tires, 12x8x12 drive/steer, retarder, 39 ft - 69 ft (12 m - 21 m) hydraulic luffing swingaway, 2nd oil cooler, outrigger pads, auxiliary hoist, removed rear outrigger box, driver and tanks filled, three-axle boom dolly (11,023 lb [5000 kg])	38,240 lb	17 340 kg	78,960 lb	35 800 kg	57,750 lb	26 190 kg	174,950 lb	79 330 kg
Additions:								
15,400 lb (7000 kg) base section stowed on carrier	7474 lb	3390 kg	7209 lb	3270 kg	0 lb	0 kg	14,683 lb	6660 kg
Removals:								
39 ft - 69 ft (12 m - 21 m) hydraulic swingaway	-160 lb	-60 kg	-440 lb	- 200 kg	-3840 lb	-1740 kg	-4440 lb	- 2000 kg
Front outriggers	-3518 lb	-1596 kg	-2050 lb	- 930 kg	0 lb	0 kg	-5569 lb	- 2526 kg
Front and rear outrigger floats	-2 lb	- 1 kg	-538 lb	- 244 kg	0 lb	0 kg	-540 lb	- 245 kg
Substitutions:								
12x6x12 drive/steer	340 lb	160 kg	-1280 lb	- 560 kg	0 lb	0 kg	-940 lb	- 400 kg
14.00R25 tires	-1020 lb	- 460 kg	-2040 lb	- 920 kg	0 lb	0 kg	-3060 lb	- 1380 kg
16.00R25 tires	-560 lb	- 240 kg	-1120 lb	- 480 kg	0 lb	0 kg	-1680 lb	- 720 kg

Boom Over Front

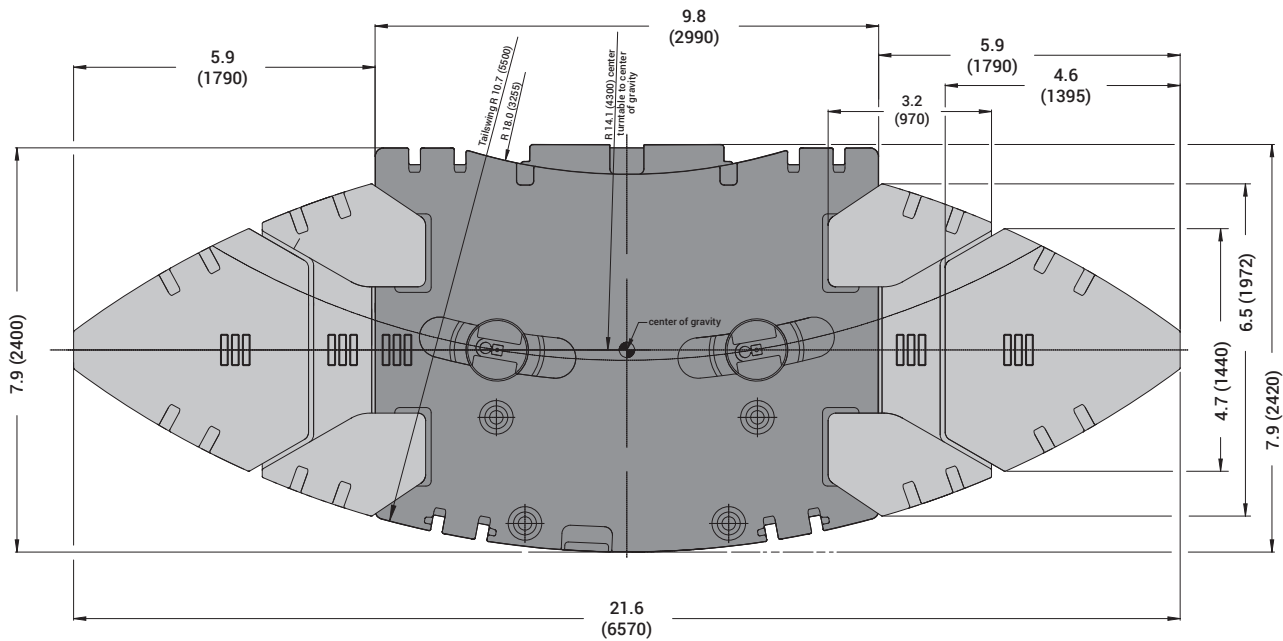
Basic Weights - lb (kg)	Axles 1 and 2		Axles 3 - 6		Total	
GMK6300L-1 Tier 4 Final, Mercedes-Benz power with 20.5 R25 Tires on aluminum wheels, 12x6x12 drive/steer, retarder, 2nd oil cooler, outrigger pads, driver and tanks filled, removable rear outrigger box installed, one sheave 35 US1 (32 t) hook block	54,100 lb	24 540 kg	103,800 lb	47 080 kg	157,900 lb	71 620 kg
Additions:						
12x8x12 drive/steer	-346 lb	- 157 kg	1254 lb	569 kg	908 lb	412 kg
Hose reel + parts for hydraulic swingaway	465 lb	211 kg	351 lb	159 kg	816 lb	370 kg
39 ft - 69 ft (12 m - 21 m) hydraulic swingaway	4057 lb	1840 kg	368 lb	167 kg	4425 lb	2007 kg
Auxiliary hoist	-3997 lb	- 1813 kg	8966 lb	4067 kg	4969 lb	2254 kg
15,400 lb (7000 kg) base plate stowed on carrier	7474 lb	3390 kg	7209 lb	3270 kg	14,683 lb	6660 kg
Removals:						
Front and rear outrigger floats	-2 lb	- 1 kg	-538 lb	- 244 kg	-540 lb	- 245 kg
Front outriggers	-3519 lb	- 1596 kg	-2050 lb	- 930 kg	-5569 lb	- 2526 kg
Removable rear outrigger box	6735 lb	3055 kg	-17,522 lb	- 7948 kg	-10,785 lb	- 4892 kg
Main boom	-35,520 lb	- 16 110 kg	-25,360 lb	- 11 500 kg	-60,880 lb	- 27 610 kg

Counterweight

Counterweight



Dimensions are shown in ft (mm)

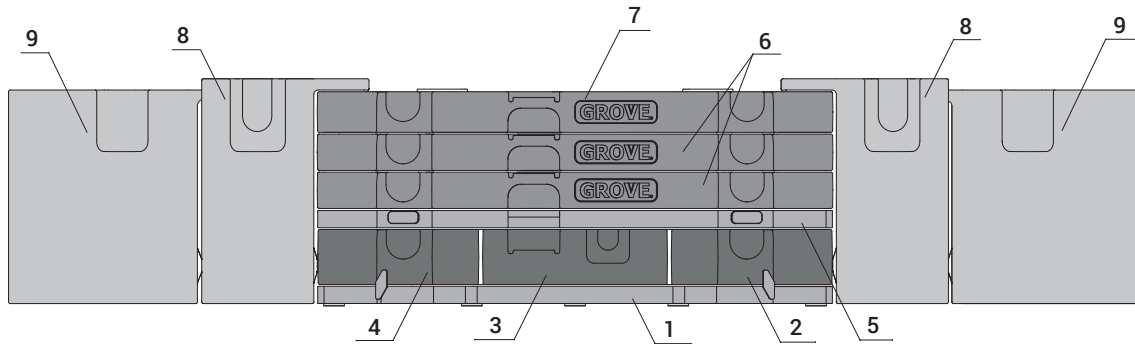


	1 15,400 lb (7,0 t)	2 20,950 lb (9,5 t)	3 20,950 lb (9,5 t)	4* 22,050 lb (10,0 t)	5* 19,850 lb (9,0 t)
15,400 lb (7,0 t)	x	-	-	-	-
36,300 lb (16,5 t)	x	x	-	-	-
57,300 lb (26,0 t)	x	2 x	-	-	-
78,200 lb (35,5 t)	x	3 x	-	-	-
99,200 lb (45,0 t)	x	4 x	-	-	-
120,100 lb (54,5 t)	x	4 x	x	-	-
164,200 lb (74,5 t)	x	4 x	x	2 x	-
203,900 lb (92,5 t)	x	4 x	x	2 x	2 x

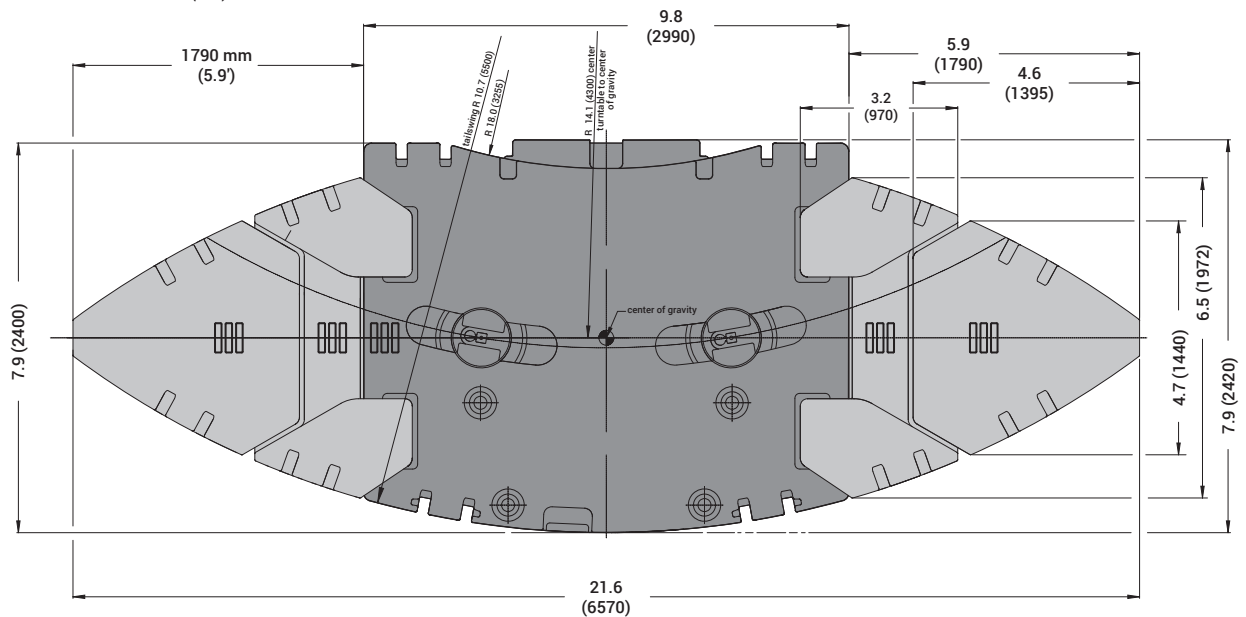
* *Optional equipment*

Counterweight

Heavy Roadable Counterweight



Dimensions are shown in ft (mm)



	1	2**	3**	4**	5**	6	7	8*	9*
	15,400 lb (7,0 t)	10,400 lb (4,7 t)	10,400 lb (4,7 t)	10,400 lb (4,7 t)	10,400 lb (4,7 t)	20,950 lb (9,5 t)	20,950 lb (9,5 t)	22,050 lb (10,0 t)	19,850 lb (9,0 t)
15,400 lb (7,0 t)	x	-	-	-	-	-	-	-	-
36,300 lb (16,5 t)	x	x	-	x	-	-	-	-	-
46,600 lb (21,2 t)	x	x	x	x	-	-	-	-	-
57,300 lb (26,0 t)	x	x	x	x	x	-	-	-	-
78,200 lb (35,5 t)	x	x	x	x	x	x	-	-	-
99,200 lb (45,0 t)	x	x	x	x	x	2 x	-	-	-
120,100 lb (54,5 t)	x	x	x	x	x	2 x	x	-	-
164,200 lb (74,5 t)	x	x	x	x	x	2 x	x	2 x	-
203,900 lb (92,5 t)	x	x	x	x	x	2 x	x	2 x	2 x

* Optional equipment

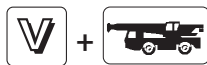
** Optional equipment. Replaces two standard 9.5t (20,950 lb) pieces for a heavy roadable configuration.

Data



Lifting Capacity	Sheaves	Weight	Parts of line	Possible load with crane
220 USt (200 t)	9	5291 lb (2400 kg)	2 - 18 / *19	197 USt/209 USt* (179 t / 190 t*)
176 USt (160 t)	7	3858 lb (1750 kg)	2 - 15	182 USt (135 t)
137 USt (125 t)	5	3638 lb (1650 kg)	2 - 11	110 USt (100 t)
88 USt (80 t)	3	2094 lb (950 kg)	1 - 7	72 USt (65 t)
35 USt (32 t)	1	1323 lb (600 kg)	1 - 3	31 USt (28 t)
13 USt (12 t)	Overhaul Weight	880 lb (400 kg)	1	10.5 USt (9,5 t)

* Requires additional boom nose sheave



		1	2	3	4	5	6	R	
Tier 4 Final		5.7	15.0	22.0	34.2	45.4	52.8	7.2	53,6 %
	 	2.6	6.8	9.9	15.4	20.5	23.6	3.2	
		385/95 R25							

* Theoretical gradeability

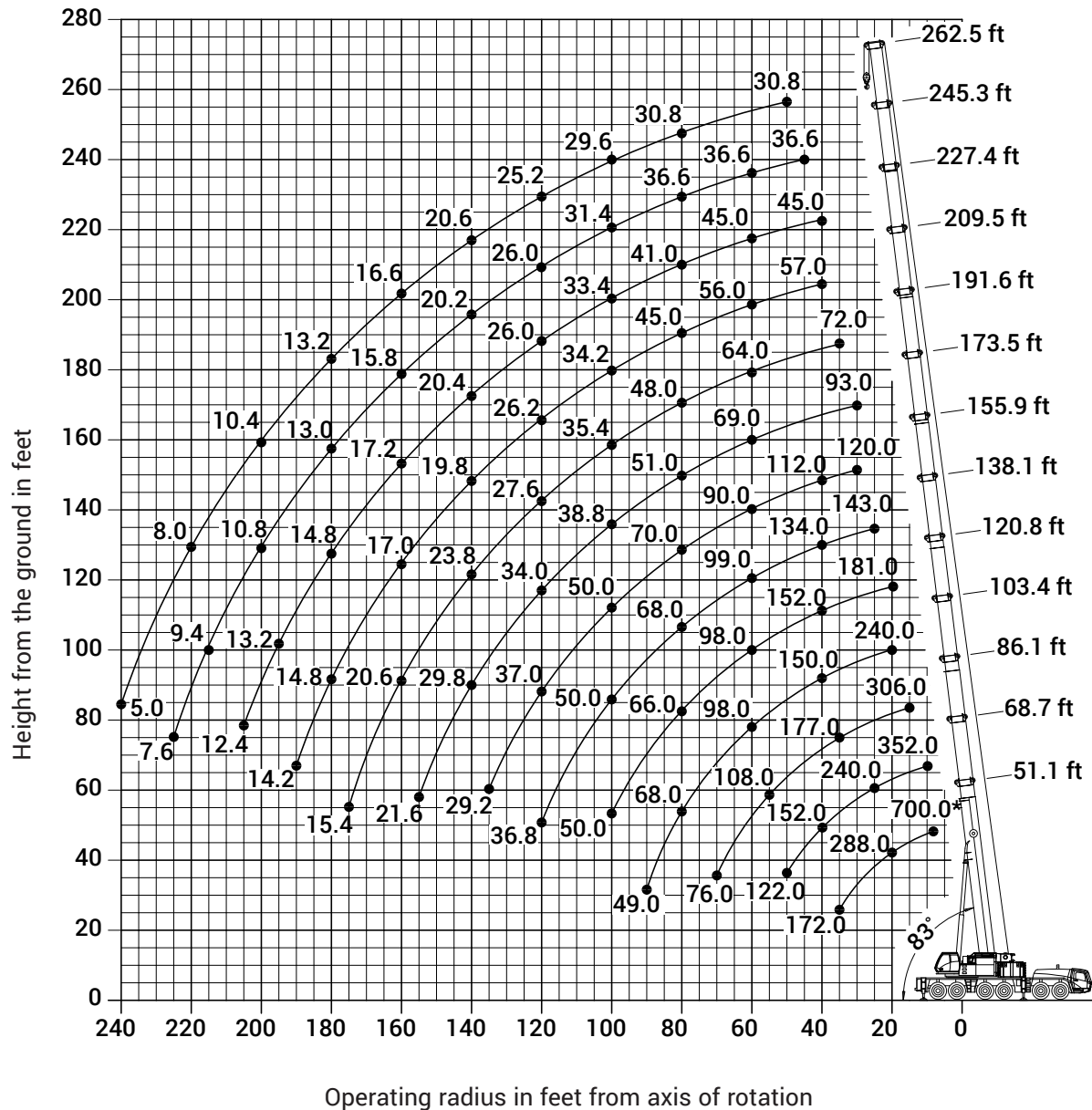


	Infinitely variable	Rope	Max. Single line pull
	0 - 394 ft/min (0 - 120 m/min) (Single line)	22 mm / 1148 ft (22 mm / 350 m)	21,220 lb (94,4 kN)
	0 - 394 ft/min (0 - 120 m/min) (Single line)	22 mm / 1148 ft (22 mm / 350 m)	21,220 lb (94,4 kN)
	0 - 1,3 min ⁻¹		
	-1,5° to + 83° (approx. 95 s)		
	51.2 to 262.5 ft (15,6 to 80,0 m) (approx. 760 s)		

Working Range

Main Boom

51 ft - 263 ft main boom



Hook heights shown in the working diagram do not consider loaded boom deflection.

	Hook block	H
	220 USt (200 ton), 9 sheave	12.0 ft (3650 mm)
	176 USt (160 ton), 7 sheave	12.0 ft (3650 mm)
	137 USt (125 ton), 5 sheave	10.8 ft (3300 mm)
	88 USt (80 ton), 3 sheave	10.8 ft (3300 mm)
	35 USt (32 ton), 1 sheave	10.5 ft (3200 mm)
	13 USt (12 ton), single line overhaul weight	8.0 ft (2450 mm)

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.
The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Load Chart

Main Boom



51.1 ft - 262.5 ft
(15.6 m - 80 m)



203,900 lb
(92 500 kg)



27 ft 9 in spread
(100%)



360°



Pounds x 1000

Feet	51.1	68.7	86.1	103.4	120.8	138.1	155.9	173.5	191.6	209.5	227.4	245.3	262.5
8.0	700.0*	—	—	—	—	—	—	—	—	—	—	—	—
10.0	418.0	352.0	—	—	—	—	—	—	—	—	—	—	—
15.0	348.0	324.0	306.0	—	—	—	—	—	—	—	—	—	—
20.0	288.0	276.0	258.0	240.0	181.0	—	—	—	—	—	—	—	—
25.0	244.0	240.0	230.0	217.0	181.0	143.0	—	—	—	—	—	—	—
30.0	207.0	207.0	202.0	192.0	180.0	143.0	120.0	93.0	—	—	—	—	—
35.0	172.0	178.0	177.0	171.0	167.0	143.0	116.0	93.0	72.0	—	—	—	—
40.0	—	152.0	152.0	150.0	152.0	134.0	112.0	92.0	72.0	57.0	45.0	—	—
45.0	—	135.0	134.0	132.0	135.0	124.0	106.0	87.0	72.0	57.0	45.0	36.6	—
50.0	—	122.0	120.0	118.0	120.0	115.0	101.0	81.0	71.0	57.0	45.0	36.6	30.8
55.0	—	—	108.0	106.0	108.0	107.0	95.0	75.0	68.0	57.0	45.0	36.6	30.8
60.0	—	—	100.0	98.0	98.0	99.0	90.0	69.0	64.0	56.0	45.0	36.6	30.8
65.0	—	—	91.0	91.0	88.0	91.0	84.0	64.0	59.0	54.0	45.0	36.6	30.8
70.0	—	—	76.0	82.0	80.0	82.0	80.0	59.0	55.0	51.0	44.0	36.6	30.8
75.0	—	—	—	74.0	72.0	75.0	76.0	55.0	52.0	48.0	43.0	36.6	30.8
80.0	—	—	—	68.0	66.0	68.0	70.0	51.0	48.0	45.0	41.0	36.6	30.8
85.0	—	—	—	61.0	62.0	62.0	64.0	47.0	44.0	42.4	39.2	35.6	30.8
90.0	—	—	—	49.0	59.0	57.0	59.0	43.2	40.8	39.4	37.2	34.4	30.8
95.0	—	—	—	—	55.0	52.0	55.0	40.4	37.8	36.6	35.4	32.8	30.4
100.0	—	—	—	—	50.0	50.0	50.0	38.8	35.4	34.2	33.4	31.4	29.6
105.0	—	—	—	—	—	47.0	47.0	37.4	32.8	32.0	31.6	30.0	28.6
110.0	—	—	—	—	—	44.0	43.0	36.2	30.8	30.0	29.6	28.8	27.4
115.0	—	—	—	—	—	41.8	40.0	35.0	28.8	28.0	27.8	27.4	26.4
120.0	—	—	—	—	—	36.8	37.0	34.0	27.6	26.2	26.0	26.0	25.2
125.0	—	—	—	—	—	—	34.4	33.0	26.6	24.6	24.6	24.6	24.2
130.0	—	—	—	—	—	—	32.0	32.0	25.8	23.0	23.0	23.4	22.6
135.0	—	—	—	—	—	—	29.2	31.2	24.8	21.2	21.2	21.6	21.4
140.0	—	—	—	—	—	—	—	29.8	23.8	19.8	20.4	20.2	20.6
145.0	—	—	—	—	—	—	—	27.8	22.8	19.0	19.4	19.0	19.6
150.0	—	—	—	—	—	—	—	26.0	22.0	18.2	18.6	18.0	18.6
155.0	—	—	—	—	—	—	—	21.6	21.4	17.6	18.0	17.0	17.6
160.0	—	—	—	—	—	—	—	—	20.6	17.0	17.2	15.8	16.6
165.0	—	—	—	—	—	—	—	—	20.0	16.4	16.6	15.0	15.8
170.0	—	—	—	—	—	—	—	—	19.6	15.8	16.0	14.4	14.8
175.0	—	—	—	—	—	—	—	—	15.4	15.4	15.4	13.8	14.0
180.0	—	—	—	—	—	—	—	—	—	14.8	14.8	13.0	13.2
185.0	—	—	—	—	—	—	—	—	—	14.4	14.2	12.6	12.4
190.0	—	—	—	—	—	—	—	—	—	14.2	13.8	12.0	11.8
195.0	—	—	—	—	—	—	—	—	—	—	13.2	11.4	11.0
200.0	—	—	—	—	—	—	—	—	—	—	12.8	10.8	10.4
205.0	—	—	—	—	—	—	—	—	—	—	12.4	10.4	9.8
210.0	—	—	—	—	—	—	—	—	—	—	—	10.0	9.0
215.0	—	—	—	—	—	—	—	—	—	—	—	9.4	8.4
220.0	—	—	—	—	—	—	—	—	—	—	—	9.0	8.0
225.0	—	—	—	—	—	—	—	—	—	—	—	7.6	7.4
230.0	—	—	—	—	—	—	—	—	—	—	—	—	6.8
235.0	—	—	—	—	—	—	—	—	—	—	—	—	6.2
240.0	—	—	—	—	—	—	—	—	—	—	—	—	5.0

* Over the rear with special equipment

Loads greater than 370,000 lb can only be lifted with additional equipment.

• Boom length noted represents range of similar lengths.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Load Chart

Main Boom

 51.1 ft - 262.5 ft
(15.6 m - 80 m)
  164,200 lb
(74 500 kg)
  27 ft 9 in spread
(100%)
  360°



Pounds x 1000

Feet	51.1	68.7	86.1	103.4	120.8	138.1	155.9	173.5	191.6	209.5	227.4	245.3	262.5
10.0	418.0	352.0	—	—	—	—	—	—	—	—	—	—	—
15.0	348.0	324.0	306.0	—	—	—	—	—	—	—	—	—	—
20.0	286.0	276.0	258.0	240.0	181.0	—	—	—	—	—	—	—	—
25.0	240.0	240.0	230.0	217.0	181.0	143.0	—	—	—	—	—	—	—
30.0	195.0	196.0	196.0	192.0	180.0	143.0	120.0	93.0	—	—	—	—	—
35.0	167.0	168.0	168.0	166.0	167.0	143.0	116.0	93.0	72.0	—	—	—	—
40.0	—	148.0	147.0	145.0	144.0	134.0	112.0	92.0	72.0	57.0	45.0	—	—
45.0	—	132.0	129.0	127.0	124.0	122.0	106.0	87.0	72.0	57.0	45.0	36.6	—
50.0	—	116.0	117.0	115.0	107.0	107.0	101.0	81.0	71.0	57.0	45.0	36.6	30.8
55.0	—	—	103.0	101.0	96.0	94.0	95.0	75.0	68.0	57.0	45.0	36.6	30.8
60.0	—	—	91.0	90.0	88.0	84.0	85.0	69.0	64.0	56.0	45.0	36.6	30.8
65.0	—	—	80.0	79.0	81.0	75.0	76.0	64.0	59.0	54.0	45.0	36.6	30.8
70.0	—	—	71.0	73.0	73.0	69.0	69.0	59.0	55.0	51.0	44.0	36.6	30.8
75.0	—	—	—	67.0	65.0	65.0	63.0	55.0	52.0	48.0	43.0	36.6	30.8
80.0	—	—	—	60.0	59.0	61.0	57.0	51.0	48.0	45.0	41.0	36.6	30.8
85.0	—	—	—	55.0	53.0	56.0	52.0	47.0	44.0	42.4	39.2	35.6	30.8
90.0	—	—	—	49.0	49.0	51.0	48.0	43.2	40.8	39.4	37.2	34.4	30.8
95.0	—	—	—	—	47.0	47.0	44.0	40.4	37.8	36.6	35.4	32.8	30.4
100.0	—	—	—	—	45.0	43.0	40.6	38.8	35.4	34.2	33.4	31.4	29.6
105.0	—	—	—	—	—	39.6	37.0	37.4	32.6	32.0	31.6	30.0	28.6
110.0	—	—	—	—	—	36.6	33.8	36.2	30.0	29.8	29.6	28.8	27.4
115.0	—	—	—	—	—	33.6	32.6	33.4	28.6	27.4	27.8	27.4	26.4
120.0	—	—	—	—	—	31.0	31.4	30.8	27.6	25.2	25.6	26.0	25.2
125.0	—	—	—	—	—	—	30.6	28.4	26.6	23.0	23.8	24.4	24.2
130.0	—	—	—	—	—	—	28.8	26.2	25.8	21.4	22.2	22.6	22.6
135.0	—	—	—	—	—	—	26.8	24.2	24.8	20.4	21.2	20.8	21.4
140.0	—	—	—	—	—	—	—	22.2	23.8	19.6	20.4	19.2	20.2
145.0	—	—	—	—	—	—	—	20.6	22.0	19.0	19.4	18.2	18.8
150.0	—	—	—	—	—	—	—	19.0	20.4	18.2	18.6	17.4	17.4
155.0	—	—	—	—	—	—	—	17.6	18.8	17.6	18.0	16.6	16.2
160.0	—	—	—	—	—	—	—	—	17.4	17.0	17.2	15.8	15.0
165.0	—	—	—	—	—	—	—	—	16.2	16.4	16.6	15.0	13.8
170.0	—	—	—	—	—	—	—	—	15.0	15.4	15.4	14.4	12.6
175.0	—	—	—	—	—	—	—	—	14.0	14.2	14.2	13.2	11.4
180.0	—	—	—	—	—	—	—	—	—	13.2	13.0	12.2	10.2
185.0	—	—	—	—	—	—	—	—	—	12.8	12.0	11.0	9.2
190.0	—	—	—	—	—	—	—	—	—	12.4	11.0	10.2	8.2
195.0	—	—	—	—	—	—	—	—	—	—	10.2	9.2	7.4
200.0	—	—	—	—	—	—	—	—	—	—	9.6	8.4	6.6
205.0	—	—	—	—	—	—	—	—	—	—	9.0	7.6	5.8
210.0	—	—	—	—	—	—	—	—	—	—	—	6.8	5.0
215.0	—	—	—	—	—	—	—	—	—	—	—	6.0	4.2
220.0	—	—	—	—	—	—	—	—	—	—	—	5.4	3.6
225.0	—	—	—	—	—	—	—	—	—	—	—	4.8	2.8

Loads greater than 370,000 lb can only be lifted with additional equipment.

• Boom length noted represents range of similar lengths.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Load Chart

Main Boom



51.1 ft - 262.5 ft
(15.6 m - 80 m)



120,100 lb
(54 500 kg)



27 ft 9 in spread
(100%)



360°



Pounds x 1000

Feet	51.1	68.7	86.1	103.4	120.8	138.1	155.9	173.5	191.6	209.5	227.4	245.3	262.5
10.0	418.0	352.0	—	—	—	—	—	—	—	—	—	—	—
15.0	344.0	324.0	306.0	—	—	—	—	—	—	—	—	—	—
20.0	278.0	276.0	258.0	240.0	181.0	—	—	—	—	—	—	—	—
25.0	220.0	220.0	220.0	217.0	181.0	143.0	—	—	—	—	—	—	—
30.0	186.0	188.0	187.0	175.0	166.0	143.0	120.0	93.0	—	—	—	—	—
35.0	156.0	160.0	156.0	147.0	140.0	133.0	116.0	93.0	72.0	—	—	—	—
40.0	—	135.0	130.0	122.0	121.0	112.0	111.0	92.0	72.0	57.0	45.0	—	—
45.0	—	113.0	111.0	109.0	103.0	96.0	96.0	87.0	72.0	57.0	45.0	36.6	—
50.0	—	97.0	95.0	95.0	90.0	90.0	84.0	78.0	71.0	57.0	45.0	36.6	30.8
55.0	—	—	81.0	84.0	79.0	79.0	74.0	69.0	66.0	57.0	45.0	36.6	30.8
60.0	—	—	73.0	74.0	71.0	71.0	66.0	61.0	58.0	56.0	45.0	36.6	30.8
65.0	—	—	65.0	65.0	66.0	63.0	58.0	54.0	52.0	51.0	45.0	36.6	30.8
70.0	—	—	57.0	57.0	61.0	57.0	52.0	51.0	46.0	46.0	44.0	36.6	30.8
75.0	—	—	—	51.0	54.0	52.0	47.0	49.0	41.4	40.8	41.0	36.6	30.8
80.0	—	—	—	48.0	48.0	47.0	42.8	44.0	38.6	36.6	37.0	36.6	30.8
85.0	—	—	—	44.0	43.6	41.8	40.8	40.4	36.8	33.0	33.4	33.8	30.8
90.0	—	—	—	40.0	39.4	37.6	39.0	36.8	35.2	31.0	32.0	32.2	30.8
95.0	—	—	—	—	35.6	34.4	36.6	33.8	33.8	29.6	30.6	30.8	28.8
100.0	—	—	—	—	32.4	33.2	33.2	30.6	31.6	28.2	29.2	28.8	26.2
105.0	—	—	—	—	—	31.8	30.2	27.6	29.2	27.0	28.0	26.6	24.0
110.0	—	—	—	—	—	29.4	27.6	25.0	26.6	25.8	26.0	24.4	22.0
115.0	—	—	—	—	—	27.0	25.2	22.6	24.2	24.6	24.0	22.4	20.0
120.0	—	—	—	—	—	24.8	23.0	20.4	22.0	23.0	22.4	20.6	18.2
125.0	—	—	—	—	—	—	21.2	18.4	20.4	22.0	21.0	19.0	16.6
130.0	—	—	—	—	—	—	19.4	17.6	19.6	20.4	19.2	17.4	15.2
135.0	—	—	—	—	—	—	17.6	17.0	18.8	18.8	17.6	16.0	13.8
140.0	—	—	—	—	—	—	—	16.2	17.8	17.2	16.0	14.4	12.4
145.0	—	—	—	—	—	—	—	15.6	16.4	15.8	14.6	13.0	11.2
150.0	—	—	—	—	—	—	—	15.0	15.4	14.4	13.2	11.8	9.8
155.0	—	—	—	—	—	—	—	14.4	14.2	13.2	12.0	10.4	8.6
160.0	—	—	—	—	—	—	—	—	13.2	12.0	10.8	9.4	7.4
165.0	—	—	—	—	—	—	—	—	12.0	11.0	9.8	8.2	6.4
170.0	—	—	—	—	—	—	—	—	11.0	10.0	8.8	7.2	5.4
175.0	—	—	—	—	—	—	—	—	10.2	9.2	7.8	6.4	4.4
180.0	—	—	—	—	—	—	—	—	—	8.2	7.0	5.4	3.6
185.0	—	—	—	—	—	—	—	—	—	7.4	6.0	4.6	2.8
190.0	—	—	—	—	—	—	—	—	—	6.6	5.4	3.8	—
195.0	—	—	—	—	—	—	—	—	—	—	4.6	3.2	—
200.0	—	—	—	—	—	—	—	—	—	—	3.8	—	—
205.0	—	—	—	—	—	—	—	—	—	—	3.2	—	—



51.1 ft - 262.5 ft
(15.6 m - 80 m)



99,200 lb
(45 000 kg)



27 ft 9 in spread
(100%)



360°



Pounds x 1000

Feet	51.1	68.7	86.1	103.4	120.8	138.1	155.9	173.5	191.6	209.5	227.4	245.3	262.5
10.0	418.0	352.0	—	—	—	—	—	—	—	—	—	—	—
15.0	340.0	324.0	306.0	—	—	—	—	—	—	—	—	—	—
20.0	268.0	266.0	258.0	240.0	181.0	—	—	—	—	—	—	—	—
25.0	216.0	218.0	215.0	196.0	181.0	143.0	—	—	—	—	—	—	—
30.0	178.0	182.0	171.0	160.0	155.0	143.0	120.0	93.0	—	—	—	—	—
35.0	145.0	146.0	139.0	132.0	127.0	118.0	116.0	93.0	72.0	—	—	—	—
40.0	—	119.0	115.0	113.0	106.0	102.0	98.0	91.0	72.0	57.0	45.0	—	—
45.0	—	100.0	97.0	97.0	91.0	91.0	84.0	78.0	72.0	57.0	45.0	36.6	—
50.0	—	83.0	86.0	84.0	83.0	79.0	73.0	68.0	65.0	57.0	45.0	36.6	30.8
55.0	—	—	73.0	73.0	74.0	70.0	64.0	59.0	57.0	55.0	45.0	36.6	30.8
60.0	—	—	63.0	63.0	66.0	62.0	57.0	56.0	50.0	49.0	45.0	36.6	30.8
65.0	—	—	56.0	58.0	59.0	55.0	50.0	52.0	45.0	43.2	43.2	36.6	30.8
70.0	—	—	51.0	52.0	52.0	49.0	48.0	46.0	42.8	38.4	38.4	36.6	30.8
75.0	—	—	—	46.0	46.0	44.0	45.0	41.8	40.6	36.4	36.6	35.4	30.8
80.0	—	—	—	41.4	40.8	39.2	41.6	37.8	38.2	34.4	34.8	34.6	30.8
85.0	—	—	—	37.2	36.6	37.6	37.4	34.2	34.8	32.8	33.4	31.6	28.8
90.0	—	—	—	33.4	32.8	35.6	33.6	31.0	31.8	31.0	31.0	28.8	26.0
95.0	—	—	—	—	31.2	32.2	30.4	27.6	29.0	29.2	28.4	26.2	23.4
100.0	—	—	—	—	30.0	29.2	27.4	24.8	26.4	27.8	26.0	23.8	21.2
105.0	—	—	—	—	—	26.6	24.8	23.0	25.0	25.8	23.8	21.6	19.0
110.0	—	—	—	—	—	24.2	22.4	21.4	24.0	23.6	21.8	19.6	17.2
115.0	—	—	—	—	—	22.0	20.2	20.2	22.0	21.4	20.0	17.8	15.4
120.0	—	—	—	—	—	20.0	18.2	19.4	20.6	19.4	18.2	16.2	13.8
125.0	—	—	—	—	—	—	16.6	18.4	18.8	17.6	16.4	14.8	12.4
130.0	—	—	—	—	—	—	15.6	17.6	17.0	16.0	14.8	13.2	11.0
135.0	—	—	—	—	—	—	15.0	16.6	15.6	14.6	13.4	11.8	9.8
140.0	—	—	—	—	—	—	—	15.2	14.2	13.2	12.0	10.4	8.6
145.0	—	—	—	—	—	—	—	14.0	13.0	11.8	10.6	9.2	7.2
150.0	—	—	—	—	—	—	—	12.8	11.8	10.6	9.4	8.0	6.0
155.0	—	—	—	—	—	—	—	11.8	10.6	9.6	8.4	6.8	5.0
160.0	—	—	—	—	—	—	—	—	9.6	8.6	7.4	5.8	4.0
165.0	—	—	—	—	—	—	—	—	8.6	7.6	6.4	4.8	3.0
170.0	—	—	—	—	—	—	—	—	7.8	6.8	5.4	4.0	—
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180.0	—	—	—	—	—	—	—	—	—	5.2	3.8	—	—
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Load Chart

Main Boom



51.1 ft - 262.5 ft
(15.6 m - 80 m)



78,200 lb
(35 500 kg)



27 ft 9 in spread
(100%)



360°



Pounds x 1000

Feet	51.1	68.7	86.1	103.4	120.8	138.1	155.9	173.5	191.6	209.5	227.4	245.3	262.5
10.0	418.0	352.0	-	-	-	-	-	-	-	-	-	-	-
15.0	336.0	324.0	306.0	-	-	-	-	-	-	-	-	-	-
20.0	256.0	258.0	256.0	232.0	181.0	-	-	-	-	-	-	-	-
25.0	209.0	206.0	190.0	180.0	167.0	143.0	-	-	-	-	-	-	-
30.0	165.0	160.0	150.0	146.0	136.0	125.0	120.0	93.0	-	-	-	-	-
35.0	123.0	130.0	121.0	119.0	111.0	109.0	101.0	93.0	72.0	-	-	-	-
40.0	-	104.0	103.0	99.0	96.0	92.0	85.0	78.0	72.0	57.0	45.0	-	-
45.0	-	84.0	88.0	84.0	84.0	79.0	73.0	67.0	64.0	57.0	45.0	36.6	-
50.0	-	70.0	73.0	73.0	73.0	68.0	63.0	63.0	55.0	53.0	45.0	36.6	30.8
55.0	-	-	64.0	66.0	64.0	60.0	56.0	56.0	51.0	46.0	45.0	36.6	30.8
60.0	-	-	56.0	57.0	57.0	53.0	53.0	49.0	48.0	42.8	41.0	36.6	30.8
65.0	-	-	48.0	50.0	49.0	47.0	48.0	43.4	43.8	40.4	40.0	36.2	30.8
70.0	-	-	42.2	43.6	43.0	44.0	42.8	38.6	39.0	38.4	37.8	35.0	30.8
75.0	-	-	-	38.4	37.8	40.6	38.4	34.4	35.0	35.6	34.0	31.4	28.4
80.0	-	-	-	33.8	35.6	36.2	34.4	30.6	32.6	32.8	30.6	28.2	25.2
85.0	-	-	-	30.0	33.2	32.2	30.4	28.6	30.8	29.8	27.6	25.2	22.4
90.0	-	-	-	28.8	29.8	29.0	27.0	27.0	28.8	27.0	25.0	22.6	20.0
95.0	-	-	-	-	26.8	26.2	24.2	25.6	26.2	24.4	22.6	20.4	17.8
100.0	-	-	-	-	24.2	25.0	21.6	24.2	23.8	22.2	20.4	18.2	15.8
105.0	-	-	-	-	-	23.0	20.2	22.6	21.4	20.2	18.4	16.4	13.8
110.0	-	-	-	-	-	21.0	19.2	20.4	19.4	18.4	16.6	14.6	12.2
115.0	-	-	-	-	-	19.0	18.2	18.6	17.4	16.4	15.0	13.0	10.6
120.0	-	-	-	-	-	17.4	17.2	16.8	15.8	14.6	13.4	11.6	9.2
125.0	-	-	-	-	-	-	15.6	15.2	14.2	13.0	11.8	10.2	8.0
130.0	-	-	-	-	-	-	14.0	13.8	12.6	11.6	10.4	9.0	6.8
135.0	-	-	-	-	-	-	12.8	12.4	11.4	10.4	9.0	7.6	5.6
140.0	-	-	-	-	-	-	-	11.2	10.2	9.2	7.8	6.4	4.6
145.0	-	-	-	-	-	-	-	10.0	9.0	8.0	6.8	5.2	3.4
150.0	-	-	-	-	-	-	-	9.0	8.0	7.0	5.6	4.2	-
155.0	-	-	-	-	-	-	-	8.0	7.0	6.0	4.8	3.2	-
160.0	-	-	-	-	-	-	-	-	6.2	5.0	3.8	-	-
165.0	-	-	-	-	-	-	-	-	5.2	4.2	3.0	-	-
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20.0	252.0	252.0	226.0	201.0	181.0	-	-	-	-	-	-	-	-
25.0	194.0	182.0	169.0	162.0	149.0	135.0	-	-	-	-	-	-	-
30.0	137.0	140.0	130.0	126.0	116.0	114.0	105.0	93.0	-	-	-	-	-
35.0	101.0	110.0	108.0	102.0	101.0	94.0	86.0	79.0	72.0	-	-	-	-
40.0	-	86.0	89.0	88.0	84.0	78.0	72.0	71.0	62.0	57.0	45.0	-	-
45.0	-	69.0	73.0	76.0	72.0	67.0	64.0	61.0	57.0	50.0	45.0	36.6	-
50.0	-	58.0	63.0	64.0	61.0	57.0	58.0	52.0	52.0	49.0	43.0	36.6	30.8
55.0	-	-	53.0	54.0	53.0	52.0	50.0	45.0	45.0	44.0	42.0	36.2	30.8
60.0	-	-	45.0	46.0	46.0	48.0	44.0	39.4	41.4	41.0	38.2	35.2	30.8
65.0	-	-	38.6	40.0	41.8	42.2	38.6	36.6	38.2	36.2	33.8	31.0	27.8
70.0	-	-	33.2	35.0	38.0	37.0	34.2	34.4	34.4	32.2	30.0	27.4	24.4
75.0	-	-	-	32.8	33.4	32.8	30.4	32.2	30.8	28.8	26.6	24.0	21.2
80.0	-	-	-	28.8	29.4	30.8	27.8	29.6	27.6	25.8	23.6	21.2	18.6
85.0	-	-	-	25.6	26.0	27.4	26.2	26.8	24.8	23.0	21.0	18.8	16.2
90.0	-	-	-	22.6	23.6	24.4	24.4	24.0	22.4	20.6	18.8	16.6	14.0
95.0	-	-	-	-	21.0	21.8	21.8	21.4	20.2	18.4	16.6	14.4	12.0
100.0	-	-	-	-	18.8	19.6	19.4	19.0	18.0	16.6	14.8	12.6	10.2
105.0	-	-	-	-	-	17.6	17.4	17.0	16.0	14.8	13.0	11.0	8.6
110.0	-	-	-	-	-	15.6	15.6	15.2	14.2	13.0	11.6	9.6	7.2
115.0	-	-	-	-	-	14.0	13.8	13.6	12.4	11.4	10.0	8.2	5.8
120.0	-	-	-	-	-	12.6	12.4	12.0	11.0	10.0	8.6	6.8	4.6
125.0	-	-	-	-	-	-	11.0	10.6	9.6	8.6	7.4	5.6	3.4
130.0	-	-	-	-	-	-	9.8	9.4	8.4	7.2	6.0	4.6	-
135.0	-	-	-	-	-	-	8.6	8.2	7.2	6.2	4.8	3.4	-
140.0	-	-	-	-	-	-	-	7.2	6.2	5.0	3.8	-	-
145.0	-	-	-	-	-	-	-	6.2	5.2	4.2	2.8	-	-
150.0	-	-	-	-	-	-	-	5.2	4.2	3.2	-	-	-
155.0	-	-	-	-	-	-	-	4.4	3.4	-	-	-	-

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20.0	238.0	213.0	190.0	178.0	167.0	-	-	-	-	-	-	-	-
25.0	163.0	156.0	148.0	137.0	125.0	122.0	-	-	-	-	-	-	-
30.0	109.0	117.0	112.0	105.0	104.0	96.0	87.0	79.0	-	-	-	-	-
35.0	80.0	88.0	90.0	90.0	84.0	77.0	74.0	70.0	61.0	-	-	-	-
40.0	-	68.0	75.0	73.0	69.0	64.0	64.0	57.0	57.0	51.0	45.0	-	-
45.0	-	55.0	60.0	61.0	57.0	58.0	54.0	50.0	51.0	47.0	43.6	36.6	-
50.0	-	45.0	49.0	51.0	52.0	50.0	46.0	46.0	45.0	41.8	38.8	35.6	30.8
55.0	-	-	41.0	42.6	46.0	43.0	39.6	41.4	38.8	36.2	33.6	30.4	27.2
60.0	-	-	-	34.4	38.6	39.2	36.6	36.4	34.0	31.6	29.0	26.2	23.0
65.0	-	-	-	29.6	33.0	33.6	35.0	33.6	32.0	29.8	27.6	25.2	22.4
70.0	-	-	-	25.0	28.4	29.6	30.4	29.8	28.2	26.2	24.0	21.8	19.2
75.0	-	-	-	-	24.6	25.8	26.6	26.4	25.0	23.0	21.0	18.8	16.4
80.0	-	-	-	-	21.4	22.4	23.2	23.2	22.0	20.2	18.2	16.2	13.8
85.0	-	-	-	-	18.4	19.6	20.4	20.2	19.6	17.8	16.0	14.0	11.6
90.0	-	-	-	-	16.0	17.0	17.8	17.8	17.4	15.6	13.8	12.0	9.8
95.0	-	-	-	-	-	14.8	15.6	15.6	15.2	13.6	12.0	10.2	8.0
100.0	-	-	-	-	-	13.0	13.8	13.6	13.2	12.0	10.4	8.6	6.4
105.0	-	-	-	-	-	-	12.0	11.8	11.4	10.4	8.8	7.0	5.0
110.0	-	-	-	-	-	-	10.4	10.2	10.0	8.8	7.4	5.8	3.8
115.0	-	-	-	-	-	-	9.0	8.8	8.4	7.4	6.2	4.6	-
120.0	-	-	-	-	-	-	7.8	7.6	7.2	6.2	5.0	3.4	-
125.0	-	-	-	-	-	-	-	6.4	6.0	5.0	4.0	-	-
130.0	-	-	-	-	-	-	-	5.4	5.0	4.0	3.0	-	-
135.0	-	-	-	-	-	-	-	4.4	4.0	3.0	-	-	-
140.0	-	-	-	-	-	-	-	-	3.2	-	-	-	-

 51.1 ft - 262.5 ft
(15.6 m - 80 m)
  15,400 lb
(7 000 kg)
  27 ft 9 in spread
(100%)
  360°

	Pounds x 1000												
Feet	51.1	68.7	86.1	103.4	120.8	138.1	155.9	173.5	191.6	209.5	227.4	245.3	262.5
10.0	414.0	352.0	-	-	-	-	-	-	-	-	-	-	-
15.0	304.0	294.0	254.0	-	-	-	-	-	-	-	-	-	-
20.0	195.0	179.0	166.0	153.0	138.0	-	-	-	-	-	-	-	-
25.0	125.0	128.0	121.0	115.0	108.0	98.0	-	-	-	-	-	-	-
30.0	82.0	91.0	94.0	89.0	82.0	77.0	74.0	66.0	-	-	-	-	-
35.0	58.0	69.0	73.0	70.0	66.0	65.0	59.0	58.0	56.0	-	-	-	-
40.0	-	52.0	57.0	56.0	57.0	55.0	52.0	50.0	46.0	42.8	39.0	-	-
45.0	-	40.2	45.0	49.0	47.0	47.0	44.0	41.8	38.6	35.4	32.2	28.6	-
50.0	-	31.4	36.8	40.6	40.0	39.0	37.2	35.0	32.4	29.6	26.6	23.4	20.0
55.0	-	-	29.8	33.6	33.8	33.2	31.6	29.8	27.2	24.8	22.2	19.2	16.0
60.0	-	-	24.4	28.0	28.6	28.2	27.0	25.4	23.0	20.8	18.4	15.8	12.8
65.0	-	-	19.8	23.4	24.4	24.2	23.0	21.6	19.6	17.6	15.4	12.8	9.8
70.0	-	-	16.2	19.6	20.8	20.8	19.8	18.6	16.6	14.6	12.6	10.2	7.4
75.0	-	-	-	16.4	17.6	18.0	17.0	16.0	14.0	12.2	10.2	8.0	5.4
80.0	-	-	-	13.8	14.8	15.6	14.6	13.6	11.8	10.2	8.2	6.0	3.4
85.0	-	-	-	11.4	12.6	13.4	12.6	11.6	10.0	8.2	6.4	4.2	-
90.0	-	-	-	9.4	10.4	11.2	10.8	9.8	8.2	6.6	4.8	2.8	-
95.0	-	-	-	-	8.6	9.4	9.2	8.2	6.6	5.2	3.4	-	-
100.0	-	-	-	-	7.0	7.8	7.6	6.8	5.2	3.8	-	-	-
105.0	-	-	-	-	-	6.4	6.2	5.6	4.0	-	-	-	-
110.0	-	-	-	-	-	5.2	5.0	4.4	3.0	-	-	-	-
115.0	-	-	-	-	-	4.0	3.8	3.4	-	-	-	-	-
120.0	-	-	-	-	-	3.0	2.8	-	-	-	-	-	-

 51.1 ft - 262.5 ft
(15.6 m - 80 m)
  0 lb
(0 kg)
  27 ft 9 in spread
(100%)
  360°

	Pounds x 1000												
Feet	51.1	68.7	86.1	103.4	120.8	138.1	155.9	173.3	191.6	209.5	226.7		
10.0	410.0	352.0	-	-	-	-	-	-	-	-	-	-	-
15.0	294.0	258.0	217.0	-	-	-	-	-	-	-	-	-	-
20.0	165.0	156.0	144.0	130.0	125.0	-	-	-	-	-	-	-	-
25.0	99.0	105.0	104.0	97.0	89.0	84.0	-	-	-	-	-	-	-
30.0	63.0	74.0	76.0	72.0	71.0	67.0	63.0	60.0	-	-	-	-	-
35.0	42.6	53.0	57.0	59.0	56.0	54.0	51.0	47.0	43.0	-	-	-	-
40.0	-	39.2	44.0	46.0	45.0	43.0	40.6	37.8	34.4	31.2	27.8	-	-
45.0	-	29.4	34.8	36.6	36.0	35.0	33.0	30.8	28.0	25.2	22.2	-	-
50.0	-	22.0	27.4	29.8	29.4	28.8	27.2	25.4	22.8	20.4	17.8	-	-
55.0	-	-	21.6	24.2	24.2	23.8	22.6	21.0	18.6	16.4	14.0	-	-
60.0	-	-	16.8	20.0	20.0	19.8	18.8	17.4	15.2	13.2	11.0	-	-
65.0	-	-	-	13.0	16.4	16.6	15.6	14.4	12.4	10.4	8.4	-	-
70.0	-	-	-	10.0	13.4	13.6	12.8	11.8	10.0	8.2	6.2	-	-
75.0	-	-	-	-	10.8	11.2	11.4	10.6	9.6	7.8	6.2	4.2	-
80.0	-	-	-	-	8.4	9.2	9.4	8.6	7.6	6.0	4.4	-	-
85.0	-	-	-	-	6.4	7.4	7.6	6.8	6.0	4.4	2.8	-	-
90.0	-	-	-	-	4.8	5.8	6.0	5.4	4.6	3.0	-	-	-
95.0	-	-	-	-	-	4.4	4.6	4.0	3.2	-	-	-	-
100.0	-	-	-	-	-	3.0	3.4	2.8	-	-	-	-	-

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

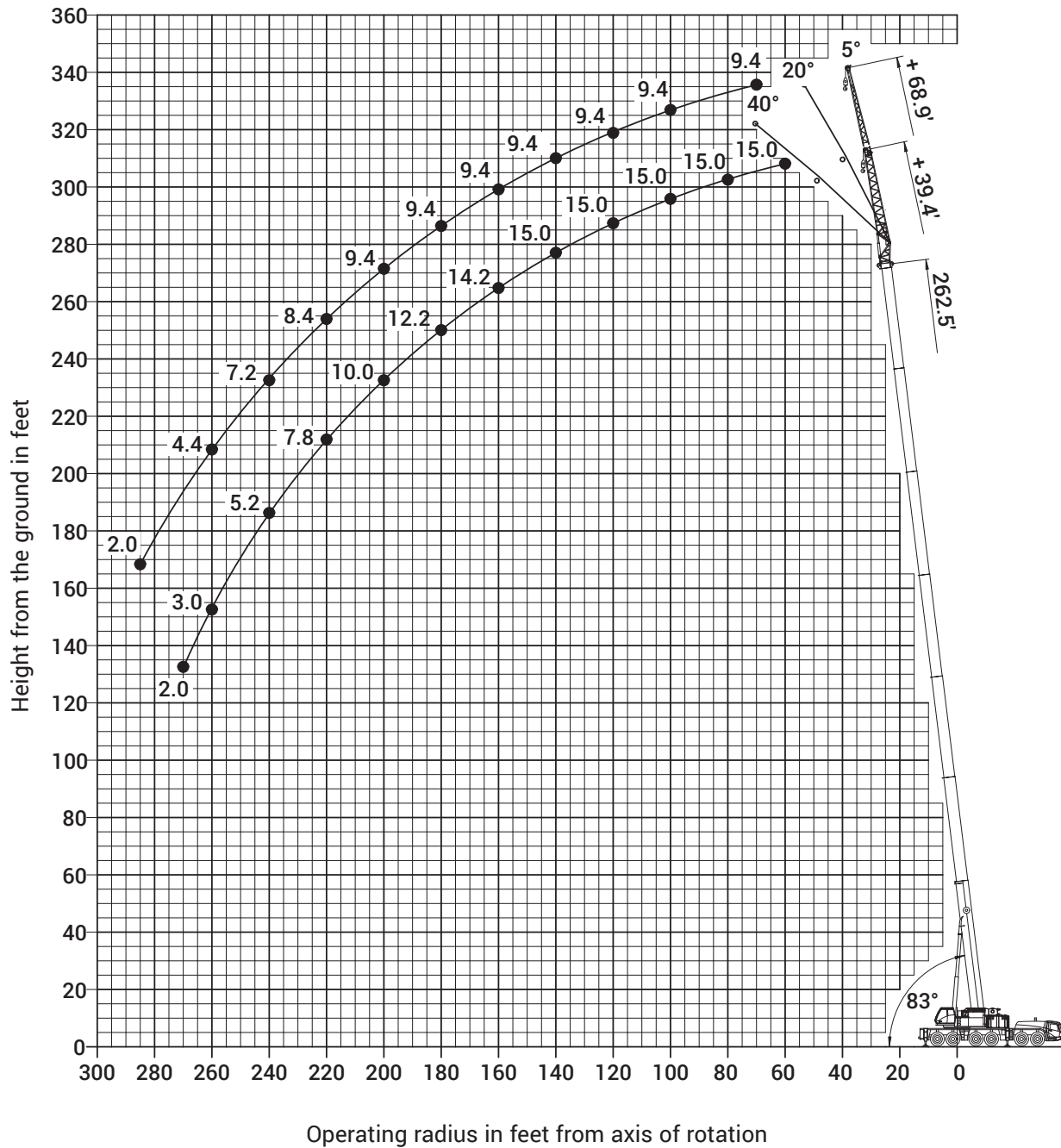
The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Loads greater than 370,000 lb can only be lifted with additional equipment. • Boom length noted represents range of similar lengths.

Working Range

Hydraulic offsettable swingaway

263 ft main boom with 39 ft - 69 ft swingaway



Hook heights shown in the working diagram do not consider loaded boom deflection.

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The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Load Chart

Hydraulic offsettable swingaway

Intermediate angle and loads for luffing

 245 ft - 263 ft
(74,8 m - 80 m)

 39 ft - 69 ft
(12 m - 21 m)

 203,900 lb
(92 500 kg)

 27 ft 9 in spread
(100%)

 360°



Pounds x 1000

Feet	245.3' + 39.4'			262.5' + 39.4'			245.3' + 68.9'			262.5' + 68.9'		
	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°
55.0	18.6	—	—	—	—	—	—	—	—	—	—	—
60.0	18.6	18.0	—	15.0	14.8	—	—	—	—	—	—	—
65.0	18.6	18.0	—	15.0	14.8	—	—	—	—	—	—	—
70.0	18.6	18.0	—	15.0	14.8	—	11.0	—	—	9.4	—	—
75.0	18.6	18.0	18.0	15.0	14.8	—	11.0	—	—	9.4	—	—
80.0	18.6	18.0	17.8	15.0	14.8	14.8	11.0	11.0	—	9.4	9.4	—
85.0	18.6	18.0	17.6	15.0	14.8	14.8	11.0	11.0	—	9.4	9.4	—
90.0	18.6	18.0	17.6	15.0	14.8	14.8	11.0	11.0	—	9.4	9.4	—
95.0	18.6	18.0	17.4	15.0	14.8	14.8	11.0	11.0	—	9.4	9.4	—
100.0	18.6	18.0	17.2	15.0	14.8	14.8	11.0	11.0	9.6	9.4	9.4	—
105.0	18.6	18.0	17.2	15.0	14.8	14.8	11.0	11.0	9.4	9.4	9.4	9.4
110.0	18.6	18.0	17.0	15.0	14.8	14.8	11.0	11.0	9.4	9.4	9.4	9.2
115.0	18.6	18.0	17.0	15.0	14.8	14.8	11.0	10.8	9.2	9.4	9.4	9.2
120.0	18.6	18.0	16.8	15.0	14.8	14.8	11.0	10.6	9.2	9.4	9.4	9.2
125.0	18.6	18.0	16.8	15.0	14.8	14.8	11.0	10.6	9.2	9.4	9.4	9.0
130.0	18.6	18.0	16.6	15.0	14.8	14.8	11.0	10.4	9.0	9.4	9.4	9.0
135.0	18.4	18.0	16.6	15.0	14.8	14.8	11.0	10.2	9.0	9.4	9.4	9.0
140.0	17.8	17.6	16.4	15.0	14.8	14.8	11.0	10.2	9.0	9.4	9.4	8.8
145.0	17.0	17.0	16.4	15.0	14.8	14.8	11.0	10.0	8.8	9.4	9.4	8.8
150.0	16.2	16.2	16.2	15.0	14.8	14.6	11.0	9.8	8.8	9.4	9.4	8.8
155.0	15.4	15.4	15.6	14.6	14.6	14.4	11.0	9.8	8.8	9.4	9.4	8.8
160.0	14.6	14.6	15.0	14.2	14.2	14.2	11.0	9.6	8.8	9.4	9.4	8.6
165.0	14.0	14.0	14.4	13.8	13.6	13.6	10.8	9.6	8.6	9.4	9.4	8.6
170.0	13.4	13.4	13.6	13.2	13.2	13.2	10.6	9.4	8.6	9.4	9.4	8.6
175.0	12.6	12.6	13.0	12.4	12.4	12.8	10.4	9.4	8.6	9.4	9.2	8.6
180.0	11.8	11.8	12.4	12.0	12.0	12.2	10.4	9.2	8.6	9.4	9.2	8.6
185.0	11.0	11.0	11.6	11.4	11.4	11.8	10.2	9.2	8.6	9.4	9.2	8.4
190.0	10.4	10.4	11.0	10.8	10.8	11.2	10.0	9.0	8.6	9.4	9.0	8.4
195.0	9.6	9.6	10.2	10.2	10.2	10.6	10.0	9.0	8.4	9.4	9.0	8.4
200.0	9.0	9.0	9.6	9.6	9.6	10.0	9.6	9.0	8.4	9.4	8.8	8.4
205.0	8.6	8.6	8.8	9.0	9.0	9.6	9.4	8.8	8.4	9.2	8.8	8.4
210.0	8.2	8.2	8.4	8.4	8.4	9.0	9.0	8.8	8.4	8.8	8.6	8.4
215.0	7.8	7.8	8.0	8.0	8.0	8.4	8.4	8.4	8.4	8.6	8.6	8.4
220.0	7.4	7.4	—	7.4	7.4	7.8	7.8	7.8	8.4	8.2	8.2	8.4
225.0	7.0	7.0	—	6.8	6.8	7.2	7.4	7.4	8.2	7.8	7.8	8.0
230.0	6.6	6.6	—	6.4	6.4	—	6.8	6.8	7.6	7.4	7.4	7.8
235.0	6.2	6.2	—	5.8	5.8	—	6.4	6.4	7.0	6.8	6.8	7.6
240.0	5.8	5.8	—	5.2	5.2	—	6.0	6.0	6.6	6.4	6.4	7.2
245.0	5.6	5.6	—	4.6	4.6	—	5.8	5.8	—	6.0	6.0	6.6
250.0	5.2	5.2	—	4.0	4.0	—	5.4	5.4	—	5.6	5.6	6.2
255.0	4.8	4.8	—	3.4	3.4	—	5.2	5.2	—	5.0	5.0	5.6
260.0	4.4	—	—	3.0	3.0	—	4.8	4.8	—	4.4	4.4	—
265.0	—	—	—	2.4	2.4	—	4.6	4.6	—	4.0	4.0	—
270.0	—	—	—	2.0	2.0	—	4.2	4.2	—	3.4	3.4	—
275.0	—	—	—	—	—	—	4.0	4.0	—	3.0	3.0	—
280.0	—	—	—	—	—	—	3.8	3.8	—	2.4	2.4	—
285.0	—	—	—	—	—	—	3.4	3.4	—	2.0	2.0	—

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Load Chart

Hydraulic offsettable swingaway

Intermediate angle and loads for luffing



245 ft - 263 ft
(74,8 m - 80 m)



39 ft - 69 ft
(12 m - 21 m)



120,100 lb
(54 500 kg)



27 ft 9 in spread
(100%)



360°



Pounds x 1000

Feet	245.3' + 39.4'			262.5' + 39.4'			245.3' + 68.9'			262.5' + 68.9'		
	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°
55.0	18.6	—	—	—	—	—	—	—	—	—	—	—
60.0	18.6	18.0	—	15.0	14.8	—	—	—	—	—	—	—
65.0	18.6	18.0	—	15.0	14.8	—	—	—	—	—	—	—
70.0	18.6	18.0	—	15.0	14.8	—	11.0	—	—	9.4	—	—
75.0	18.6	18.0	18.0	15.0	14.8	—	11.0	—	—	9.4	—	—
80.0	18.6	18.0	17.8	15.0	14.8	14.8	11.0	11.0	—	9.4	9.4	—
85.0	18.6	18.0	17.6	15.0	14.8	14.8	11.0	11.0	—	9.4	9.4	—
90.0	18.6	18.0	17.6	15.0	14.8	14.8	11.0	11.0	—	9.4	9.4	—
95.0	18.6	18.0	17.4	15.0	14.8	14.8	11.0	11.0	—	9.4	9.4	—
100.0	18.6	18.0	17.2	15.0	14.8	14.8	11.0	11.0	9.6	9.4	9.4	—
105.0	18.6	18.0	17.2	15.0	14.8	14.8	11.0	11.0	9.4	9.4	9.4	9.4
110.0	18.6	18.0	17.0	15.0	14.8	14.8	11.0	11.0	9.4	9.4	9.4	9.2
115.0	18.0	18.0	17.0	15.0	14.8	14.8	11.0	10.8	9.2	9.4	9.4	9.2
120.0	17.4	17.0	16.8	15.0	14.8	14.8	11.0	10.6	9.2	9.4	9.4	9.2
125.0	17.4	16.6	16.0	15.0	14.8	14.8	11.0	10.6	9.2	9.4	9.4	9.0
130.0	16.2	16.2	15.6	14.0	14.0	14.8	11.0	10.4	9.0	9.4	9.4	9.0
135.0	14.8	14.8	15.2	12.6	12.6	13.6	11.0	10.2	9.0	9.4	9.4	9.0
140.0	13.6	13.6	14.6	11.4	11.4	12.4	11.0	10.2	9.0	9.4	9.4	8.8
145.0	12.4	12.4	13.2	10.2	10.2	11.2	11.0	10.0	8.8	9.4	9.4	8.8
150.0	11.2	11.2	12.2	9.0	9.0	10.0	10.6	9.8	8.8	9.4	9.4	8.8
155.0	10.2	10.2	11.0	8.0	8.0	9.0	10.6	9.6	8.8	9.4	9.4	8.8
160.0	9.2	9.2	10.0	7.0	7.0	8.0	10.6	9.6	8.8	8.8	8.8	8.6
165.0	8.4	8.4	9.0	6.2	6.2	7.0	9.8	9.4	8.6	7.8	7.8	8.6
170.0	7.4	7.4	8.2	5.4	5.4	6.0	9.0	9.0	8.6	7.0	7.0	8.4
175.0	6.4	6.4	7.2	4.6	4.6	5.2	8.2	8.2	8.6	6.2	6.2	7.6
180.0	5.6	5.6	6.2	3.6	3.6	4.4	7.4	7.4	8.6	5.4	5.4	6.8
185.0	4.6	4.6	5.4	2.8	2.8	3.6	6.6	6.6	7.8	4.6	4.6	6.0
190.0	3.8	3.8	4.4	2.0	2.0	2.8	5.8	5.8	7.0	4.0	4.0	5.2
195.0	3.2	3.2	3.6	—	—	2.0	5.0	5.0	6.2	3.2	3.2	4.4
200.0	2.4	2.4	3.0	—	—	—	4.2	4.2	5.4	2.6	2.6	3.8
205.0	—	—	2.2	—	—	—	3.6	3.6	4.6	—	—	3.0
210.0	—	—	—	—	—	—	3.0	3.0	4.0	—	—	2.4
215.0	—	—	—	—	—	—	2.4	2.4	3.2	—	—	—
220.0	—	—	—	—	—	—	—	—	2.6	—	—	—
225.0	—	—	—	—	—	—	—	—	2.0	—	—	—

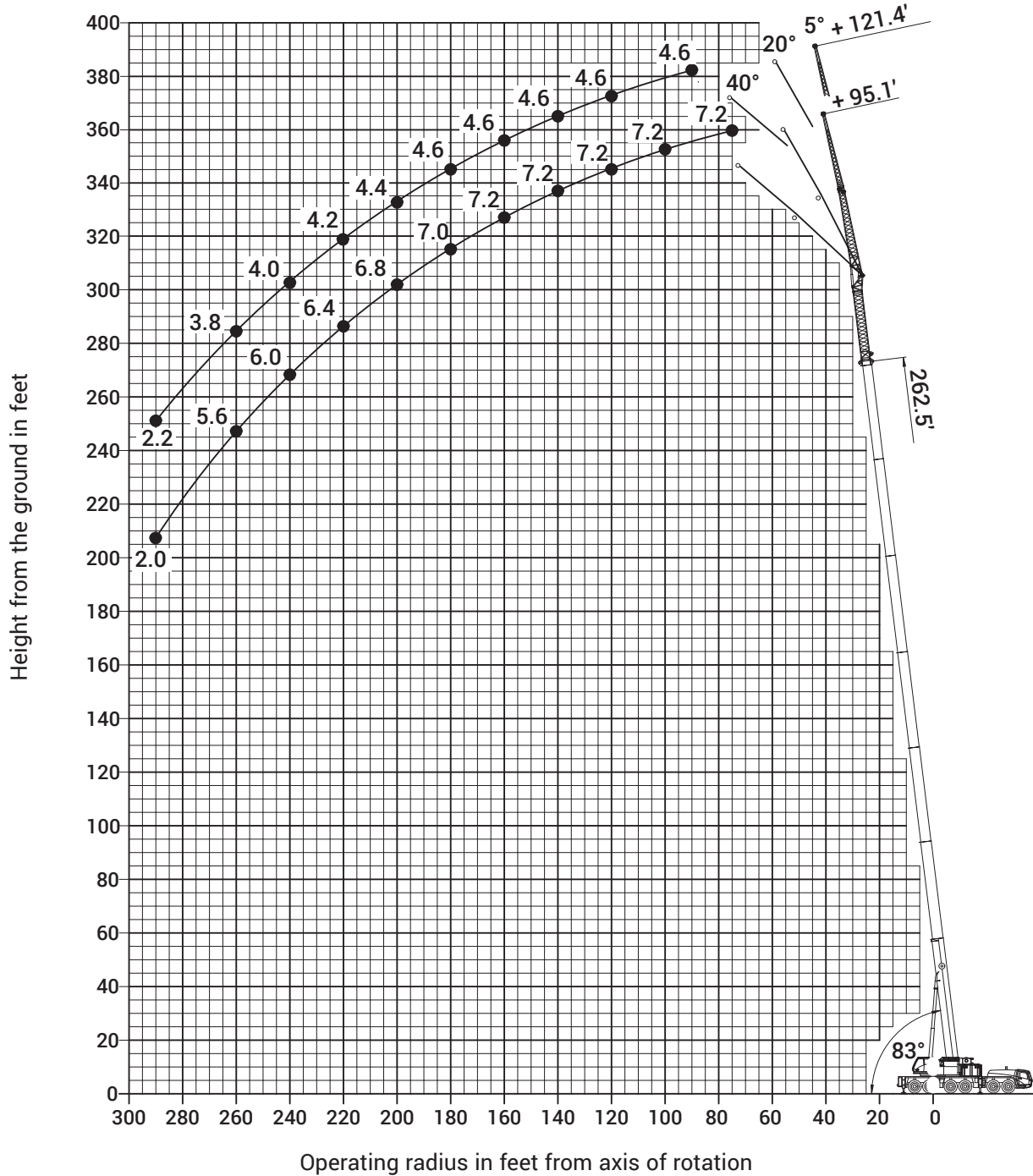
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Working Range

Hydraulic offsettable swingaway with inserts

263 ft main boom with 39 ft - 69 ft swingaway and 2 X 26 ft inserts



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Load Chart

Hydraulic offsettable swingaway with inserts

 245 ft - 263 ft
(74,8 m - 80 m)

 95 ft - 121 ft
(29 m - 37 m)

 203,900 lb
(92 500 kg)

 27 ft 9 in spread
(100%)

 360°



Pounds x 1000

Feet	245.3' + 95.1'			262.5' + 95.1'			245.3' + 121.4'			262.5' + 121.4'		
	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°
75.0	8.4	—	—	7.2	—	—	—	—	—	—	—	—
80.0	8.4	—	—	7.2	—	—	5.6	—	—	—	—	—
85.0	8.4	—	—	7.2	—	—	5.6	—	—	—	—	—
90.0	8.4	—	—	7.2	—	—	5.6	—	—	4.6	—	—
95.0	8.4	8.4	—	7.2	7.2	—	5.6	—	—	4.6	—	—
100.0	8.4	8.4	—	7.2	7.2	—	5.6	5.6	—	4.6	4.6	—
105.0	8.4	8.4	7.0	7.2	7.2	—	5.6	5.6	—	4.6	4.6	—
110.0	8.4	8.2	7.0	7.2	7.2	—	5.6	5.6	—	4.6	4.6	—
115.0	8.4	8.2	7.0	7.2	7.2	6.2	5.6	5.6	4.4	4.6	4.6	—
120.0	8.4	8.0	7.0	7.2	7.2	6.2	5.6	5.6	4.4	4.6	4.6	3.8
125.0	8.4	8.0	7.0	7.2	7.2	6.2	5.6	5.6	4.4	4.6	4.6	3.8
130.0	8.4	7.8	7.0	7.2	7.2	6.2	5.6	5.4	4.4	4.6	4.6	3.8
135.0	8.2	7.8	7.0	7.2	7.2	6.2	5.6	5.4	4.4	4.6	4.6	3.8
140.0	8.2	7.6	7.0	7.2	7.2	6.2	5.6	5.4	4.4	4.6	4.6	3.8
145.0	8.0	7.6	7.0	7.2	7.2	6.2	5.4	5.2	4.4	4.6	4.6	3.8
150.0	8.0	7.6	7.0	7.2	7.0	6.2	5.4	5.2	4.4	4.6	4.6	3.8
155.0	7.8	7.4	7.0	7.2	7.0	6.2	5.4	5.0	4.4	4.6	4.6	3.8
160.0	7.8	7.4	7.0	7.2	7.0	6.2	5.2	5.0	4.4	4.6	4.6	3.8
165.0	7.6	7.2	7.0	7.2	6.8	6.2	5.2	5.0	4.4	4.6	4.6	3.8
170.0	7.6	7.2	6.8	7.2	6.8	6.2	5.0	4.8	4.4	4.6	4.6	3.8
175.0	7.6	7.2	6.8	7.0	6.8	6.2	5.0	4.8	4.4	4.6	4.4	3.8
180.0	7.4	7.0	6.8	7.0	6.6	6.2	5.0	4.8	4.4	4.6	4.4	3.8
185.0	7.4	7.0	6.6	7.0	6.6	6.2	4.8	4.6	4.4	4.6	4.4	3.8
190.0	7.2	6.8	6.6	6.8	6.6	6.2	4.8	4.6	4.4	4.4	4.4	3.8
195.0	7.2	6.8	6.6	6.8	6.6	6.2	4.8	4.6	4.4	4.4	4.2	3.8
200.0	7.0	6.6	6.4	6.8	6.4	6.2	4.6	4.4	4.4	4.4	4.2	3.8
205.0	7.0	6.6	6.4	6.6	6.4	6.2	4.6	4.4	4.4	4.4	4.2	3.8
210.0	6.8	6.4	6.4	6.6	6.4	6.2	4.6	4.4	4.4	4.2	4.2	3.8
215.0	6.8	6.4	6.4	6.6	6.4	6.2	4.4	4.4	4.4	4.2	4.0	3.8
220.0	6.6	6.2	6.2	6.4	6.2	6.2	4.4	4.2	4.4	4.2	4.0	3.8
225.0	6.6	6.2	6.2	6.4	6.2	6.2	4.4	4.2	4.4	4.2	4.0	3.8
230.0	6.4	6.2	6.2	6.4	6.0	6.2	4.2	4.2	4.4	4.0	4.0	3.8
235.0	6.4	6.0	6.2	6.2	6.0	6.0	4.2	4.0	4.2	4.0	4.0	3.8
240.0	6.0	6.0	6.0	6.0	6.0	6.0	4.2	4.0	4.2	4.0	3.8	3.8
245.0	5.6	5.8	6.0	6.0	5.8	6.0	4.0	4.0	4.2	4.0	3.8	3.8
250.0	5.2	5.4	6.0	5.8	5.8	6.0	4.0	4.0	4.0	3.8	3.8	3.8
255.0	4.8	5.2	5.6	5.4	5.4	5.8	4.0	4.0	4.0	3.8	3.8	3.8
260.0	4.6	5.0	—	4.8	4.8	5.6	4.0	3.8	4.0	3.8	3.8	3.8
265.0	4.4	4.6	—	4.4	4.4	5.0	3.8	3.8	4.0	3.8	3.6	3.8
270.0	4.0	4.4	—	3.8	3.8	—	3.6	3.6	3.8	3.6	3.6	3.8
275.0	3.8	4.0	—	3.2	3.2	—	3.4	3.6	3.8	3.6	3.6	3.8
280.0	3.6	3.8	—	2.8	2.8	—	3.2	3.6	—	3.0	3.0	3.6
285.0	3.2	3.6	—	2.4	2.4	—	3.0	3.4	—	2.6	2.6	—
290.0	3.0	3.2	—	2.0	2.0	—	2.8	3.0	—	2.2	2.2	—
295.0	2.8	3.0	—	—	—	—	2.6	2.8	—	—	—	—
300.0	2.6	2.6	—	—	—	—	2.2	2.6	—	—	—	—
305.0	2.2	—	—	—	—	—	2.0	2.4	—	—	—	—
310.0	1.8	—	—	—	—	—	—	—	—	—	—	—

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Load Chart

Hydraulic offsettable swingaway with inserts

 245 ft - 263 ft
(74,8 m - 80 m)

 95 ft - 121 ft
(29 m - 37 m)

 120,900 lb
(54 500 kg)

 27 ft 9 in spread
(100%)

 360°



Pounds x 1000

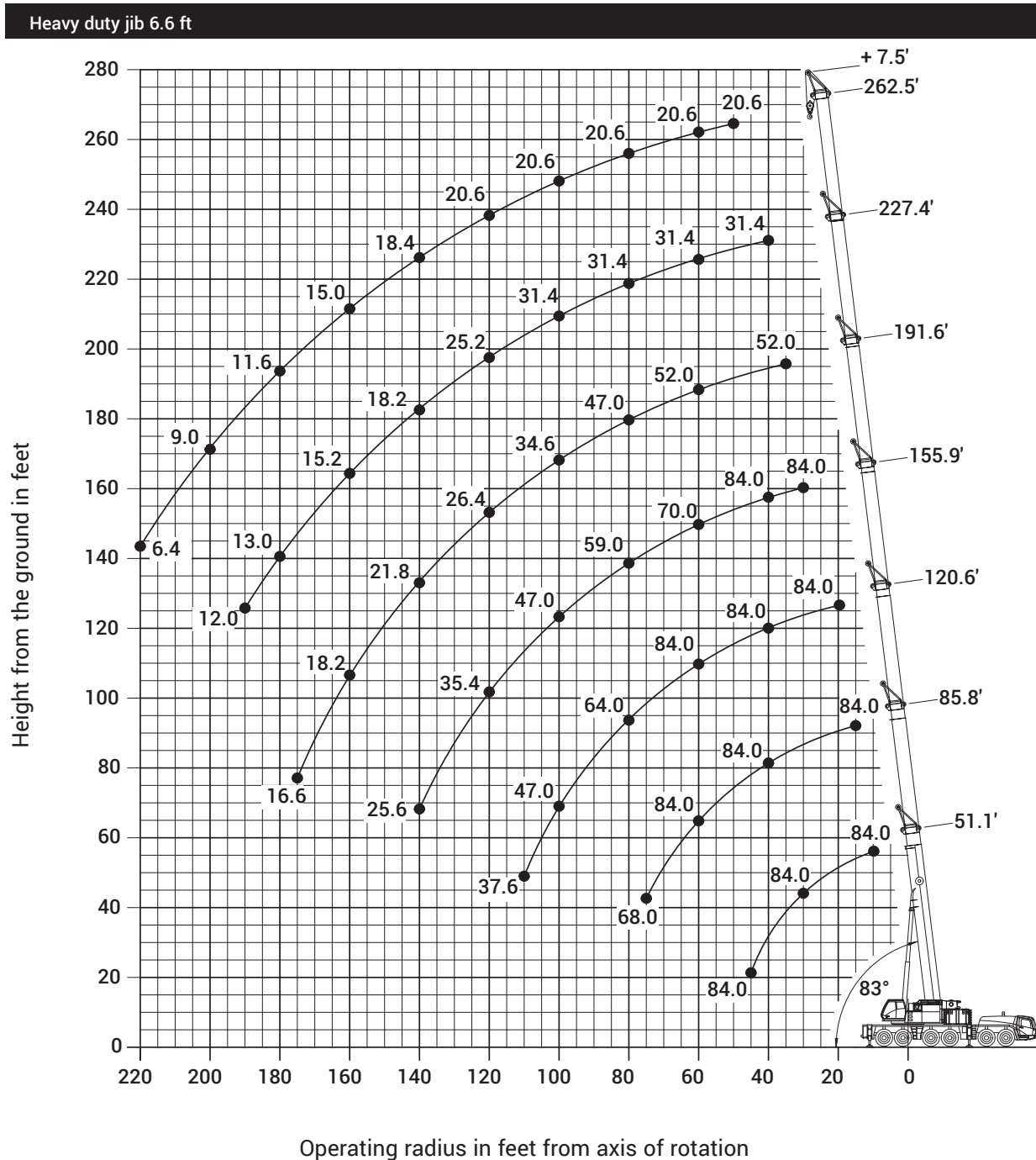
Feet	245.3' + 95.1'			262.5' + 95.1'			245.3' + 121.4'			262.5' + 121.4'		
	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°	5°	5°- 20°	20°- 40°
75.0	8.4	—	—	7.2	—	—	—	—	—	—	—	—
80.0	8.4	—	—	7.2	—	—	5.6	—	—	—	—	—
85.0	8.4	—	—	7.2	—	—	5.6	—	—	—	—	—
90.0	8.4	—	—	7.2	—	—	5.6	—	—	4.6	—	—
95.0	8.4	8.4	—	7.2	7.2	—	5.6	—	—	4.6	—	—
100.0	8.4	8.4	—	7.2	7.2	—	5.6	5.6	—	4.6	4.6	—
105.0	8.4	8.4	7.0	7.2	7.2	—	5.6	5.6	—	4.6	4.6	—
110.0	8.4	8.2	7.0	7.2	7.2	—	5.6	5.6	—	4.6	4.6	—
115.0	8.4	8.2	7.0	7.2	7.2	6.2	5.6	5.6	4.4	4.6	4.6	—
120.0	8.4	8.0	7.0	7.2	7.2	6.2	5.6	5.6	4.4	4.6	4.6	3.8
125.0	8.4	8.0	7.0	7.2	7.2	6.2	5.6	5.6	4.4	4.6	4.6	3.8
130.0	8.4	7.8	7.0	7.2	7.2	6.2	5.6	5.4	4.4	4.6	4.6	3.8
135.0	8.2	7.8	7.0	7.2	7.2	6.2	5.6	5.4	4.4	4.6	4.6	3.8
140.0	8.2	7.6	7.0	7.2	7.2	6.2	5.6	5.4	4.4	4.6	4.6	3.8
145.0	8.0	7.6	7.0	7.2	7.2	6.2	5.4	5.2	4.4	4.6	4.6	3.8
150.0	8.0	7.6	7.0	7.2	7.0	6.2	5.4	5.2	4.4	4.6	4.6	3.8
155.0	7.8	7.4	7.0	7.2	7.0	6.2	5.4	5.0	4.4	4.6	4.6	3.8
160.0	7.8	7.4	7.0	7.2	7.0	6.2	5.2	5.0	4.4	4.6	4.6	3.8
165.0	7.4	7.2	7.0	7.2	6.8	6.2	5.2	5.0	4.4	4.6	4.6	3.8
170.0	7.4	7.0	6.8	7.0	6.8	6.2	5.0	4.8	4.4	4.6	4.6	3.8
175.0	7.4	7.0	6.8	6.2	6.2	6.2	5.0	4.8	4.4	4.6	4.4	3.8
180.0	7.2	6.8	6.6	5.4	5.4	6.2	5.0	4.8	4.4	4.6	4.4	3.8
185.0	6.6	6.6	6.6	4.8	4.8	6.0	4.8	4.6	4.4	4.6	4.4	3.8
190.0	6.0	6.0	6.6	4.0	4.0	5.2	4.6	4.4	4.4	4.0	4.0	3.8
195.0	5.2	5.2	6.4	3.4	3.4	4.6	4.6	4.4	4.4	3.4	3.4	3.8
200.0	4.6	4.6	5.8	2.8	2.8	4.0	4.6	4.4	3.6	2.8	2.8	3.8
205.0	4.0	4.0	5.0	2.2	—	3.2	4.0	4.0	3.0	2.2	2.2	3.4
210.0	3.4	3.4	4.4	—	—	2.6	3.4	3.4	2.4	—	—	2.6
215.0	2.6	2.6	3.8	—	—	2.0	2.8	2.8	—	—	—	2.2
220.0	2.0	2.0	3.0	—	—	—	2.4	2.4	—	—	—	—
225.0	—	—	2.4	—	—	—	—	—	—	—	—	—
230.0	—	—	1.8	—	—	—	—	—	—	—	—	—

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Working Range

Heavy Duty Jib



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Load Chart

Heavy Duty Jib

Fixed angle



51 ft - 263 ft
(15,6 m - 80 m)



6.6 ft
(2 m)



203,900 lb
(92 500 kg)



27 ft 9 in spread
(100%)



360°



Pounds x 1000

Feet	51.1' + 6.6'		85.8' + 6.6'		120.6' + 6.6'		155.9' + 6.6'		191.6' + 6.6'		227.4' + 6.6'		262.5' + 6.6'	
	8°	30°	8°	30°	8°	30°	8°	30°	8°	30°	8°	30°	8°	30°
10.0	—	84.0	—	—	—	—	—	—	—	—	—	—	—	—
15.0	—	84.0	—	84.0	—	—	—	—	—	—	—	—	—	—
20.0	—	84.0	—	84.0	—	84.0	—	—	—	—	—	—	—	—
25.0	—	84.0	—	84.0	—	84.0	—	—	—	—	—	—	—	—
30.0	—	84.0	—	84.0	—	84.0	—	84.0	—	—	—	—	—	—
35.0	84.0	84.0	—	84.0	—	84.0	—	84.0	—	52.0	—	—	—	—
40.0	84.0	84.0	—	84.0	—	84.0	—	84.0	—	52.0	—	31.4	—	—
45.0	84.0	—	—	84.0	—	84.0	—	80.0	—	52.0	—	31.4	—	—
50.0	—	—	—	84.0	—	84.0	—	76.0	—	52.0	—	31.4	—	20.6
55.0	—	—	—	84.0	—	84.0	—	73.0	—	52.0	—	31.4	—	20.6
60.0	—	—	84.0	84.0	—	84.0	—	70.0	—	52.0	—	31.4	—	20.6
65.0	—	—	84.0	84.0	—	78.0	—	67.0	—	52.0	—	31.4	—	20.6
70.0	—	—	77.0	77.0	—	73.0	—	64.0	—	52.0	—	31.4	—	20.6
75.0	—	—	68.0	—	—	68.0	—	61.0	—	50.0	—	31.4	—	20.6
80.0	—	—	—	—	64.0	63.0	—	59.0	—	47.0	—	31.4	—	20.6
85.0	—	—	—	—	59.0	60.0	—	57.0	—	43.4	—	31.4	—	20.6
90.0	—	—	—	—	55.0	55.0	—	55.0	—	40.0	—	31.4	—	20.6
95.0	—	—	—	—	51.0	51.0	—	51.0	—	37.2	—	31.4	—	20.6
100.0	—	—	—	—	47.0	—	—	47.0	—	34.6	—	31.4	—	20.6
105.0	—	—	—	—	43.4	—	43.4	43.8	—	32.2	—	30.4	—	20.6
110.0	—	—	—	—	37.6	—	40.2	40.8	—	30.2	—	28.8	—	20.6
115.0	—	—	—	—	—	—	37.4	37.8	—	28.2	—	27.0	—	20.6
120.0	—	—	—	—	—	—	35.0	35.4	—	26.4	—	25.2	—	20.6
125.0	—	—	—	—	—	—	32.4	32.8	—	24.8	—	23.0	—	20.6
130.0	—	—	—	—	—	—	30.0	30.2	—	23.0	—	20.8	—	20.6
135.0	—	—	—	—	—	—	27.8	—	22.8	21.4	—	19.2	—	19.6
140.0	—	—	—	—	—	—	25.6	—	21.8	20.4	—	18.2	—	18.4
145.0	—	—	—	—	—	—	—	—	20.6	19.8	—	17.4	—	17.6
150.0	—	—	—	—	—	—	—	—	19.4	19.2	—	16.6	—	16.8
155.0	—	—	—	—	—	—	—	—	18.8	18.6	—	16.0	—	15.8
160.0	—	—	—	—	—	—	—	—	18.2	—	—	15.2	—	15.0
165.0	—	—	—	—	—	—	—	—	17.6	—	—	14.6	—	14.2
170.0	—	—	—	—	—	—	—	—	17.0	—	—	14.0	—	13.2
175.0	—	—	—	—	—	—	—	—	16.6	—	—	13.4	—	12.4
180.0	—	—	—	—	—	—	—	—	—	—	—	13.0	—	11.6
185.0	—	—	—	—	—	—	—	—	—	—	—	12.4	—	11.0
190.0	—	—	—	—	—	—	—	—	—	—	—	12.0	—	10.2
195.0	—	—	—	—	—	—	—	—	—	—	—	—	—	9.6
200.0	—	—	—	—	—	—	—	—	—	—	—	—	—	9.0
205.0	—	—	—	—	—	—	—	—	—	—	—	—	—	8.2
210.0	—	—	—	—	—	—	—	—	—	—	—	—	—	7.6
215.0	—	—	—	—	—	—	—	—	—	—	—	—	—	7.0
220.0	—	—	—	—	—	—	—	—	—	—	—	—	—	6.4

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Load Chart

Heavy Duty Jib

Fixed angle



51 ft - 263 ft
(15,6 m - 80 m)



6.6 ft
(2 m)



120,100 lb
(54 500 kg)



27 ft 9 in spread
(100%)



360°



Pounds x 1000

Feet	51.1' + 6.6'		85.8' + 6.6'		120.6' + 6.6'		155.9' + 6.6'		191.6' + 6.6'		227.4' + 6.6'		262.5' + 6.6'	
	8°	30°	8°	30°	8°	30°	8°	30°	8°	30°	8°	30°	8°	30°
10.0	—	84.0	—	—	—	—	—	—	—	—	—	—	—	—
15.0	—	84.0	—	84.0	—	—	—	—	—	—	—	—	—	—
20.0	—	84.0	—	84.0	—	84.0	—	—	—	—	—	—	—	—
25.0	—	84.0	—	84.0	—	84.0	—	—	—	—	—	—	—	—
30.0	—	84.0	—	84.0	—	84.0	—	84.0	—	—	—	—	—	—
35.0	84.0	84.0	—	84.0	—	84.0	—	84.0	—	52.0	—	—	—	—
40.0	84.0	84.0	—	84.0	—	84.0	—	84.0	—	52.0	—	31.4	—	—
45.0	84.0	—	—	84.0	—	84.0	—	80.0	—	52.0	—	31.4	—	—
50.0	—	—	—	84.0	—	84.0	—	76.0	—	52.0	—	31.4	—	20.6
55.0	—	—	—	82.0	—	77.0	—	72.0	—	52.0	—	31.4	—	20.6
60.0	—	—	70.0	71.0	—	68.0	—	64.0	—	52.0	—	31.4	—	20.6
65.0	—	—	63.0	62.0	—	61.0	—	57.0	—	50.0	—	31.4	—	20.6
70.0	—	—	57.0	58.0	—	55.0	—	51.0	—	44.0	—	31.4	—	20.6
75.0	—	—	50.0	—	—	49.0	—	46.0	—	39.6	—	31.4	—	20.6
80.0	—	—	—	—	48.0	47.0	—	41.4	—	35.6	—	31.4	—	20.6
85.0	—	—	—	—	42.8	43.4	—	37.4	—	33.8	—	30.8	—	20.6
90.0	—	—	—	—	38.6	39.2	—	34.0	—	32.2	—	29.2	—	20.6
95.0	—	—	—	—	34.8	35.4	—	31.6	—	30.8	—	28.0	—	20.6
100.0	—	—	—	—	31.6	—	—	30.4	—	29.4	—	27.0	—	20.6
105.0	—	—	—	—	28.6	—	28.8	29.2	—	27.0	—	25.6	—	20.6
110.0	—	—	—	—	26.2	—	26.2	26.8	—	24.8	—	23.6	—	19.2
115.0	—	—	—	—	—	—	23.8	24.4	—	22.8	—	21.6	—	17.4
120.0	—	—	—	—	—	—	21.8	22.2	—	20.6	—	19.8	—	15.6
125.0	—	—	—	—	—	—	19.8	20.2	—	18.6	—	18.6	—	14.0
130.0	—	—	—	—	—	—	18.6	18.4	—	16.8	—	17.0	—	12.6
135.0	—	—	—	—	—	—	17.8	—	16.6	16.0	—	15.6	—	11.2
140.0	—	—	—	—	—	—	17.2	—	15.8	15.0	—	14.2	—	10.0
145.0	—	—	—	—	—	—	—	—	14.6	14.4	—	12.8	—	8.8
150.0	—	—	—	—	—	—	—	—	13.2	13.6	—	11.4	—	7.6
155.0	—	—	—	—	—	—	—	—	12.0	12.8	—	10.2	—	6.6
160.0	—	—	—	—	—	—	—	—	11.0	—	—	9.0	—	5.6
165.0	—	—	—	—	—	—	—	—	10.0	—	—	8.0	—	4.6
170.0	—	—	—	—	—	—	—	—	9.0	—	—	7.0	—	3.6
175.0	—	—	—	—	—	—	—	—	8.2	—	—	6.0	—	—
180.0	—	—	—	—	—	—	—	—	—	—	—	5.2	—	—
185.0	—	—	—	—	—	—	—	—	—	—	—	4.4	—	—
190.0	—	—	—	—	—	—	—	—	—	—	—	3.6	—	—
195.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
205.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
210.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
215.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
220.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—

The lifting capacities correspond to ASME B30.5

The lifting capacities likewise fulfill the requirements of SAEJ1289 and ISO 4305 with regard to stability.

The lifting capacities are given in 1000 lb.

Lifting capacity = Payload + weight of hook block and suspending device.

The lifting capacities for the main boom only apply with the jib dismantled.

Lifting capacities > 168 t (370,000 lb) require additional equipment.

The right is reserved to modify the load-carrying capacities.

Note: The details in this brochure serve only as general information. The determinant values for the operation of the crane are the lifting capacity tables belonging to it and the operating instructions.

Lifting capacities are indicated by boom length for different levels of extension. The actual boom length will be in accordance with the selected configuration for boom extension.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Specifications

Superstructure



Boom

51 ft - 263 ft (15.6 m - 80 m) seven-section, MEGAFORM™ boom with TWIN-LOCK™ pinning. Maximum tip height: 272 ft (83 m).



*Hydraulic offsettable lattice extension

39 ft – 69 ft (12 m - 21 m) bi-fold lattice swingaway extension, hydraulically offsettable and luffing under load, 5° - 40°. Maximum tip height: 341 ft (104 m).



*Lattice inserts

2 x 26 ft (8 m) inserts for use with lattice swingaway extension to increase length to 121 ft (37 m). Maximum tip height: 394 ft (120 m)



Boom elevation

Single lift cylinder with safety valve provides boom angle from -1.5° to +83°.



Load moment & independent anti-two block system

Load moment and anti-two block system with audio/visual warning and control lever lockout provides electronic display of boom angle, length, radius, tip height, relative load moment, maximum permissible load, load indication and warning of impending two-block condition.



Cab

Aluminum construction, full vision, hydraulically tilt-able up to 20°. Includes safety glass, adjustable operator's seat with suspension, engine-dependent hot water heater and secondary engine-independent diesel heater with timer. Armrest-integrated crane controls. Ergonomically arranged instrumentation and crane operating controls. Radio with bluetooth, USB and CD player.



Slewing

Three slewing gears with axial piston motors, planetary geared. Automatic brake with foot operated release switch for free slew. Speed is infinitely variable to 1.3 rpm.



Counterweight

120,100 lb (54.5 t) consisting of various sections with hydraulic installation/removal system controlled from the superstructure cab. *Optional counterweight package provides a maximum of 203,900 lb (92.5 t).



Hydraulic system

Two separate circuits, one axial piston variable displacement pump (load sensing) with electronic power limiting control for crane functions and one double gear pump for slewing. Thermostatically controlled oil coolers keep oil at optimum operating temperature. Hydraulic tank capacity: 317 gal (1200 L)



Engine

Mercedes-Benz OM936LA, diesel, 6-cylinders, water cooled, turbocharger, 282 HP (210 kW) at 2200 rpm. Max. torque: 848 ft/lb (1150 Nm) at 1200 rpm to 1600 rpm. Engine emission: Euromot 5 / EPA / CARB Tier 4 final (non road). Fuel tank capacity 79 gal (300 L).



Electrical system

3 phase alternator: 28V/80A; 2 batteries: 12V/170Ah



Hoist

Powered by axial piston motor with planetary gear and brake. Drum rotation indicator alerts operator of hoist movement. Hoist camera and light included.

Carrier



Chassis

Special 6-axle chassis, all-welded torsion-resistant box type construction in high strength steel.



Outriggers

Four hydraulic two stage outrigger beams with vertical cylinders and outrigger pads. Independent horizontal and vertical movement controlled from each side of carrier and the operators cab. Electronic level indicator with automatic leveling system. Working light for each outrigger beam. Outrigger pad load indicator with read out on superstructure and carrier. Includes outrigger monitoring system.



Engine

Mercedes-Benz OM473LA, diesel, 6-cylinders, water cooled, turbocharger, 585 HP (430 kW) at 1600 rpm (80/1269/EWG - fan loose). Max. torque: 2,030 ft/lb (2750 Nm) at 1300 rpm. Engine emission: Euromot 5 / EPA / CARB Tier 4 final (non road). Fuel tank capacity: 132 gal (500 L)



Transmission

Allison automatic 4500 SP, 6 speeds forward, 1 reverse. Transverse differential locks. 2 speed transfer case with inter-axle differential lock.



Drive/Steer

12x6x12



Axle lines

6 axle lines. 1, 4 and 5 are driven steering axle lines, the 2nd, 3rd and 6th are steering axle lines.



Suspension

MEGATRAK®. All wheels with independent hydro-pneumatic suspension and hydraulic lockout. Longitudinal and transverse level control with automatic on-highway leveling system. Range +6.7 in (170 mm) / -5.1 in (-130 mm). Active suspension control on outrigger control units.



Tires

12 tires, 14.00 R25 (385/95 R25) (vehicle width – 9.8 ft [3.00 m])



Steering

Dual circuit, hydraulic power assisted steering with emergency steering pump. Axle lines 1, 2, 5 and 6 steer on highway (steer by wire). Separate electronic hydraulic (steer by wire) steering of the 3rd to 6th axle line for all wheel steering and crabbing.



Brakes

Service brake: pneumatic dual circuit, acting on all wheels, air dryer. Permanent brake: exhaust brake and constant throttle brake. Parking brake: pneumatically operated spring-loaded brake acting on axle lines 2, 4, 5 and 6.



Driver's Cab

Composite designed aluminum and fiber reinforced plastic, 2-man-design, safety glass, driver seat with pneumatic suspension, engine-dependent hot water heater and secondary engine-independent diesel heater with timer. Complete instrumentation and driving controls. Reversing camera system. Air conditioning. 12 V plug. Two strobe lights. Fire extinguisher. Radio with bluetooth, USB and CD player.



Electrical system

24V system with three phase alternator, 28V/100A; 2 batteries, 12V/170 Ah

*Denotes optional equipment

Specifications

* Optional equipment - Superstructure

- Work lights, mounted on boom base section
- Boom position indicator light
- Boom removal kit
- Hook blocks/overhaul weight
- Auxiliary hoist – self rigging with counterweight
- 360° NYC swing lock
- 6.6 ft (2 m) side stowed heavy duty jib with 42 USt (38 t) maximum capacity using four parts of line, offset 8° and 30°
- Boom head camera

* Optional equipment - Carrier

- 12 tires, 16.00 R25 (445/95 R25) (vehicle width – 9.8 ft [3,00 m])
- 12 tires, 20.5 R25 (525/80 R25) (vehicle width – 10.2 ft [3,10 m])
- 12x8x12 drive/steer; (1, 4, 5 and 6 driven)
- Transmission integrated hydraulic retarder
- Aluminum Wheels
- Spare tire and wheel with carry bracket
- Removable rear outrigger box
- Trailer hitch

Notes

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