

ALL TERRAIN CRANE 550 TONS

GROVE GMK7550

BOOM LENGTHS:
53 TO 197 FT

JIB LENGTHS:
82 TO 240 FT

JIB OFFSETS:
LUFFING



NOTES:

Specifications

Superstructure

Boom

16 m - 60 m (53 ft - 197 ft) five-section, full power boom with patented TWIN-LOCK™ boom pinning system. Maximum tip height: 63 m (207 ft).



Boom elevation

Two lift cylinders with safety valves provide boom angles from -1.2° to +82°.



*Lattice jib

Luffing jib is a lattice design with lengths of 25 m - 79 m (82 ft - 259 ft) in sections of 6,2 m (20 ft) and 12,2 m (40 ft). The luffing jib converts to a fixed offset lattice jib providing lengths of 12 m - 70 m (39 ft - 230 ft) offsettable at 3° and 25°.



Load moment and anti-two block system

Graphic display load moment and anti-two block system with audio/visual warning and control lever lockout. These systems provide 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

All aluminum construction cab is tiltable (approximately 20°) and includes safety glass and adjustable operator's seat. Other features include engine independent hot water heater including 24 hour timer, air conditioning, armrest integrated crane controls, and ergonomically arranged instrumentation. Cab hydraulically stows to the rear of the superstructure for highway travel.



Swing

Three axial piston fixed displacement motors provide swing speed of 0 - 1.1 RPM thru planetary gear box. Also provided is a spring applied, hydraulically released automatic swing brake with foot operated release for free swing.



Counterweight

120 t (264,500 lb) consisting of various sections with hydraulic installation/removal system (see counterweight configuration on page 12).



Engine

Mercedes OM906LA, diesel, 6 cylinders, water cooled, turbocharged, 205 kW (279 hp) at 1800 rpm. Max. torque: 1100 Nm (811 ft/lb) at 1200 rpm. Engine emission: EUROMOT/EPA/CARB Tier III (non-road).



Fuel tank capacity

300 L (79 gal).



Hydraulic system

Five separate circuits, Three axial piston variable displacement pumps with electronic power limiting control, 1 axial piston variable displacement pump for slewing and 1 fixed displacement pump for auxiliary gears. Standard thermostatically controlled oil coolers keep oil at optimum operating temperature. Tank capacity: 1570 L (415 gal)



Control system

Full electronic control of all crane movements is accomplished using electrical control levers with automatic reset to zero. Controls are integrated with the LMI and engine management system by CAN-BUS.



Electrical system

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

Specifications

Superstructure continued

Hoist

Main and auxiliary hoist are powered by axial piston variable displacement motor with planetary gear and brake. "Thumb-thumper" hoist drum rotation indicator alerts operator of hoist movement.

	Main	Auxiliary
Line length	460 m (1509 ft)	690 m (2264 ft)
Rope diameter	24 mm	24 mm
Line speed	130 m/min (427 fpm)	130 m/min (427 fpm)
Line pull	110 kN (24,729 lb)	104 kN (23,380 lb)

Hoist cameras and lights included.

*Optional hookblocks

Lifting capacity	Sheaves	Weight	Possible load with the crane*
320 t (353 USt)	11	3500 kg (7716 lb)	231 t / 277 t* (255 USt / 305 USt*)
250 t (275 USt)	9	3000 kg (6614 lb)	231 t (255 USt)
200 t (220 USt)	7	2400 kg (5291 lb)	184 t (203 USt)
160 t (176 USt)	5	1800 kg (3669 lb)	136 t (150 USt)
100 t (110 USt)	3	1300 kg (2866 lb)	88 t (97 USt)
40 t** (44 USt)	1	850 kg (1874 lb)	38 t (42 USt)
16 t*** (18 USt)	H/B	450 kg (992 lb)	12,5 t (13.8 USt)

* Requires additional boom nose sheave

** Required for overhaul of single part line with boom/jib lengths in excess of 99,4 m (326 ft)

*** Overhaul weight designed for a maximum of 99,4 m (326 ft) boom/jib lengths

*Optional equipment

- Second spotlight on superstructure cab
- Stereo/CD player
- Lift enhancement system (MegaWingLift™)
- Additional 40 t (88,200 lb) counterweight for MegaWingLift™
- Worklights on boom base section
- Aircraft warning lights
- Hook blocks
- Adapter for heavy duty jib
- 360° positive swing lock

Carrier



Chassis

Special seven-axle carrier, welded torsion resistant frame is fabricated from high-strength steel.



Outrigger system

Hydraulic two-stage outrigger beams are extended by a single hydraulic cylinder and two cables. Outriggers can adjust to two positions:

Fully extended (100%) - 8,9 m (29.2 ft)

Partially extended (50%) - 6,1 m (20 ft)

Four 810 mm x 810 mm (32 in x 32 in), self stowing, steel outrigger pads provide rigid lifting base. Outrigger controls are located on both sides of the carrier. Electronic level indicators with automatic levelling system. Outrigger pad load indication through ECOS and carrier controls. Includes outrigger monitoring system.



Engine

Mercedes, diesel, 8 cylinders, water-cooled, turbocharged, 420 kW (563 hp) at 1800 rpm.

Max. torque: 2700 Nm (1991 ft lb) at 1300 rpm.

Engine emission: EUROMOT/EPA/CARB Tier III (non-road).



Fuel tank capacity

500 L (132 gal).

Specifications

Carrier continued



Transmission

Allison automatic 4800 SP-R, seven forward and one reverse speed. Transfer case with two speeds and inter-axle differential lock. Hydraulic transmission retarder.



Drive/steer

14x6x14



Axes

Seven axles. 1, 4 and 5 are drive/steer. Axles 2, 3, 6 and 7 are steer only.



Suspension

GMK7550 features the Grove exclusive MEGATRAK™ suspension. This revolutionary design features an independent hydneumatic system with hydraulic lockout acting on all wheels. The suspension can be raised 170 mm (6 - 1/2 in) or lowered 130 mm (5 in) both longitudinally and transversely and features an automatic leveling system for on-highway travel.



Tires

14 tires 445/95 R25 (16.00 R25)
(vehicle width: 3,00 m [9.8 ft])



Steering

Dual circuit steering system is hydraulic power assisted with emergency steering pump.
Axles 1, 2, 3, 6 and 7steer on highway.
Separate steering of the 4th, 5th, 6th and 7th axles for all wheel steer and crab-steer, controlled by an electric rocker switch.



Brakes

A dual circuit air system operates on all wheels with a spring-applied, air released parking brake acting on axles 2, 4, 5 and 7. An air dryer is fitted to remove moisture from the air system. Standard engine compression brake and transmission retarder.



Cab

Two-man, aluminum construction driver's cab includes the following features: safety glass; driver seat with pneumatic suspension, engine-dependent hot water heater and air conditioning. Complete instrumentation and driving controls.



Electrical system

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



Maximum speed

85 km/h (53 mph) with 20.5 R25 tires.



Gradeability (theoretical)

32% with 20.5 R25 tires (14x6x14)
50% with 20.5 R25 tires (14x8x14)

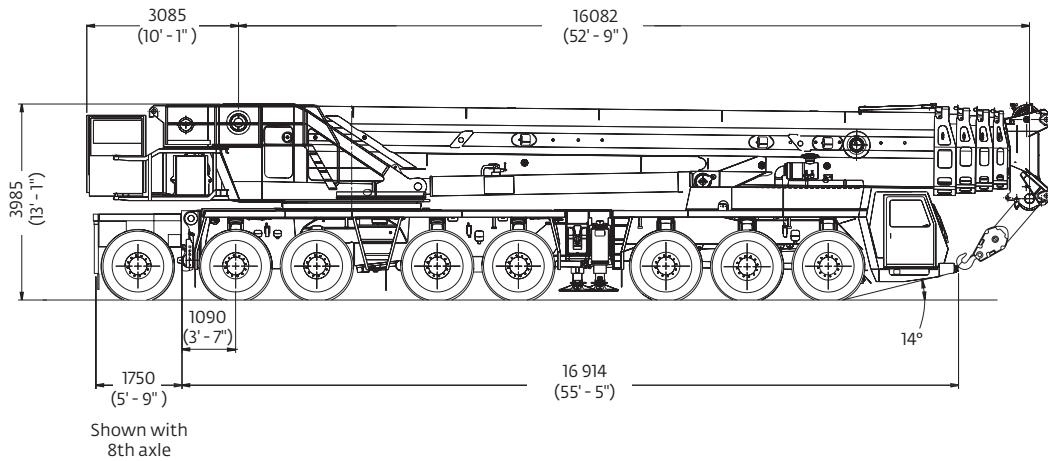
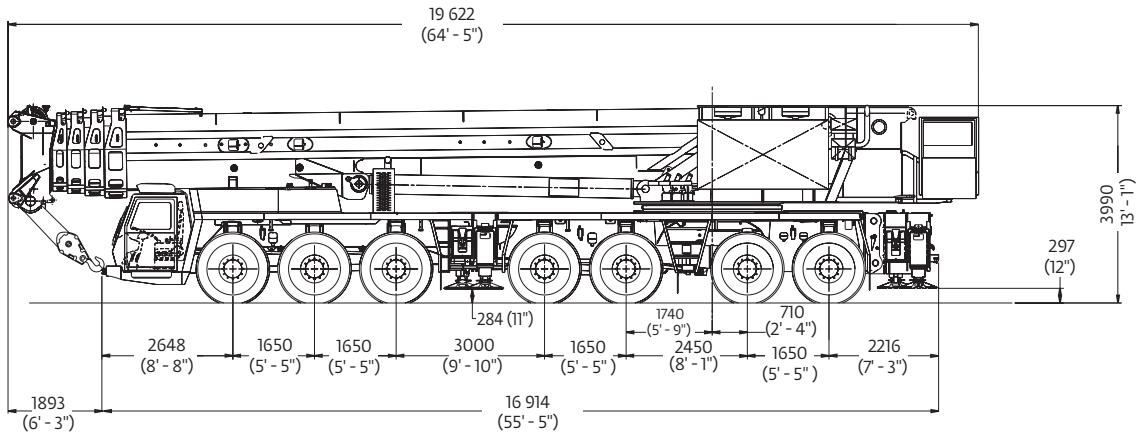
Miscellaneous standard equipment

Boom removal kit; trailing boom kit (less dolly), additional hydraulic oil cooler; removable rear outrigger box; tool kit; fire extinguisher; radio/cd player in carrier cab, CraneSTAR asset management system.

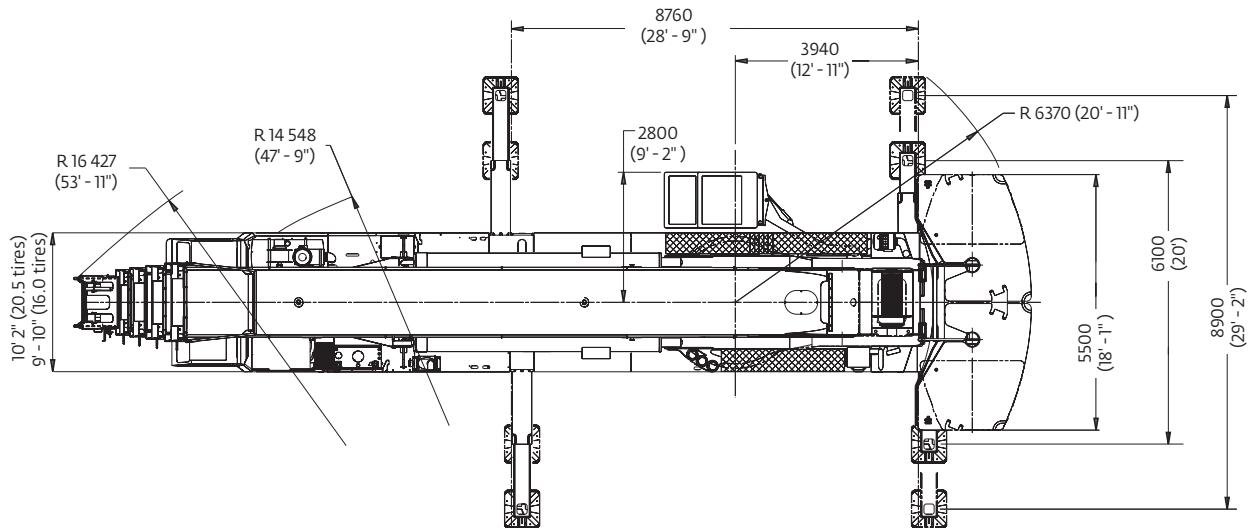
*Optional equipment

- 14 x 8 x 14 (1,2,4 and 5 are drive/steer)
- Engine-independent hot water heater, with engine pre-heater
- 14 tires, 385/95 R25 (14.00 R25).
(vehicle width 3,00 m [9.8 ft])
- 14 tires, 525/80 R25 (20.5 R25).
(vehicle width 3,1 m [10.2 ft])
- Aluminum rims
- Auxiliary axle, pinned when rear outrigger box is removed
- Hinged bunk bed
- Working range limiter
- Reversing camera system
- Engine shutdown valves (for both engines)

Dimensions



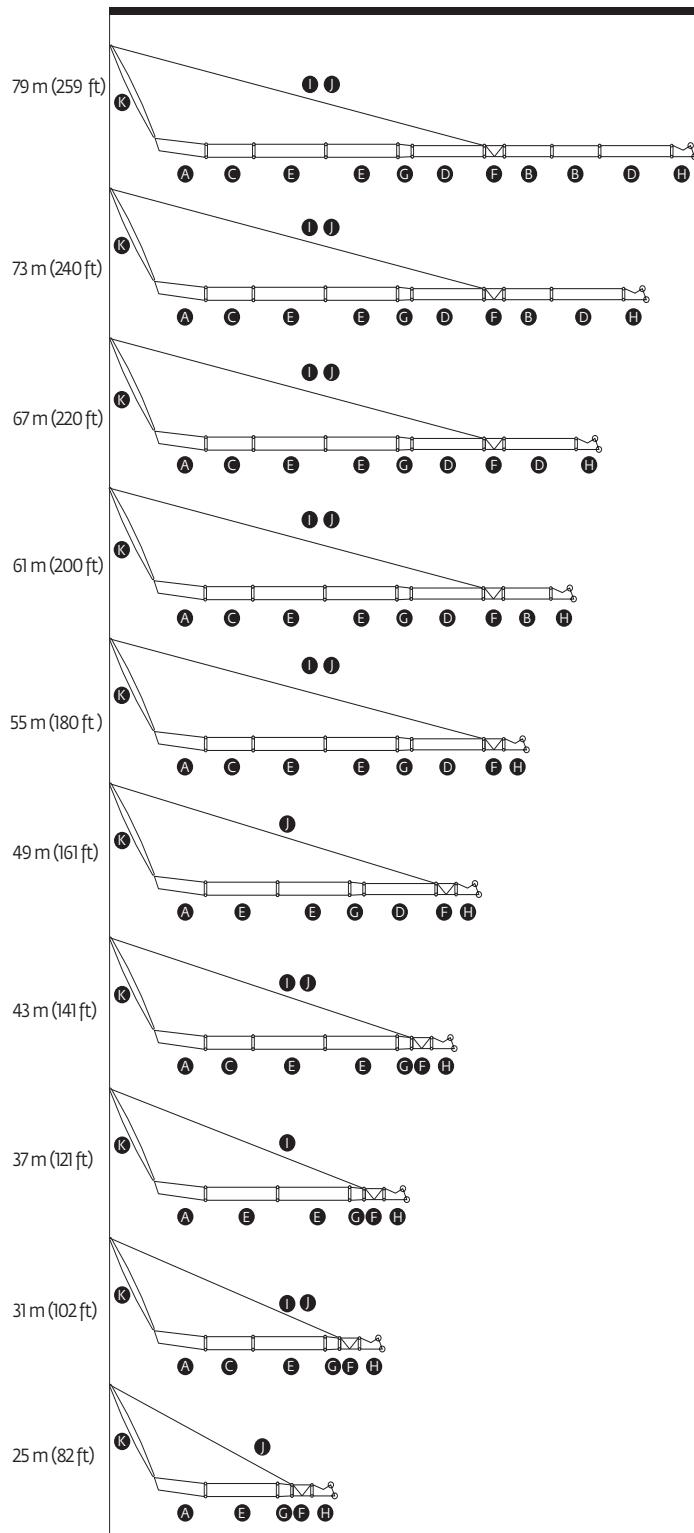
Shown with
8th axle



Dimensions

Luffing jib combinations

Without angle offset



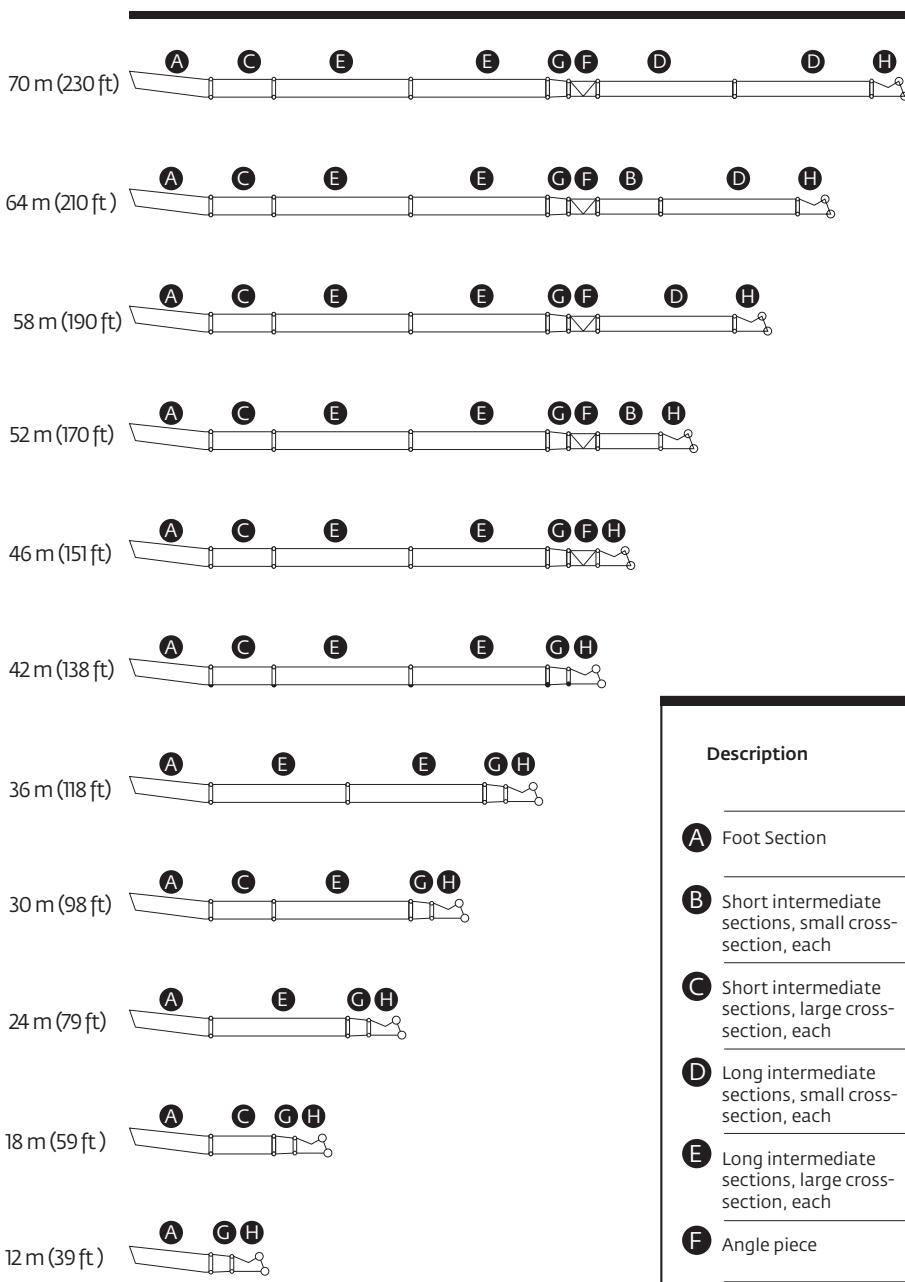
Description	Length x width x height m (ft)	Weight in kg (lb)
A Foot Section	8.80 x 1.80 x 2.50 (28.87 x 5.90 x 8.20)	3700 (8160)
B Short intermediate sections, small cross-section, each	6.20 x 1.50 x 1.500 (20.34 x 4.91 x 4.91)	900 (1985)
C Short intermediate sections, large cross-section, each	6.20 x 1.80 x 1.90 (20.34 x 5.90 X 6.23)	1000 (2205)
D Long intermediate sections, small cross-section, each	12.20 x 1.50 x 1.50 (40.03 x 4.91 x 4.91)	1600 (3530)
E Long intermediate sections, large cross-section, each	12.20 x 1.80 x 1.90 (40.03 x 5.90 x 6.23)	1600 (3530)
F Angle piece	3.70 x 1.50 x 1.80 (12.14 x 4.91 x 5.90)	1600 (3530)
G Reducing piece	1.20 x 1.80 x 1.90 (3.94 x 5.90 x 6.23)	500 (1105)
H Head piece	3.20 x 1.50 x 2.10 (10.50 x 4.91 x 6.89)	1200 (2650)
I Rear pendant link for short intermediate section	6.20 x 0.20 x 0.20 (20.34 x 0.70 x 0.70)	200 (440)
J Rear pendant link for long intermediate section	12.20 x 0.20 x 0.20 (40.03 x 0.70 x 0.70 80)	400 (880)
K Luffing control arm with fall-back guard strut	12.20 x 2.10 x 1.80 (40.03 x 6.89 x 5.90)	3200 (7055)

*Individual weight of rear pendant link: 360 kg (795 lb)

Dimensions

Lattice boom extension combinations

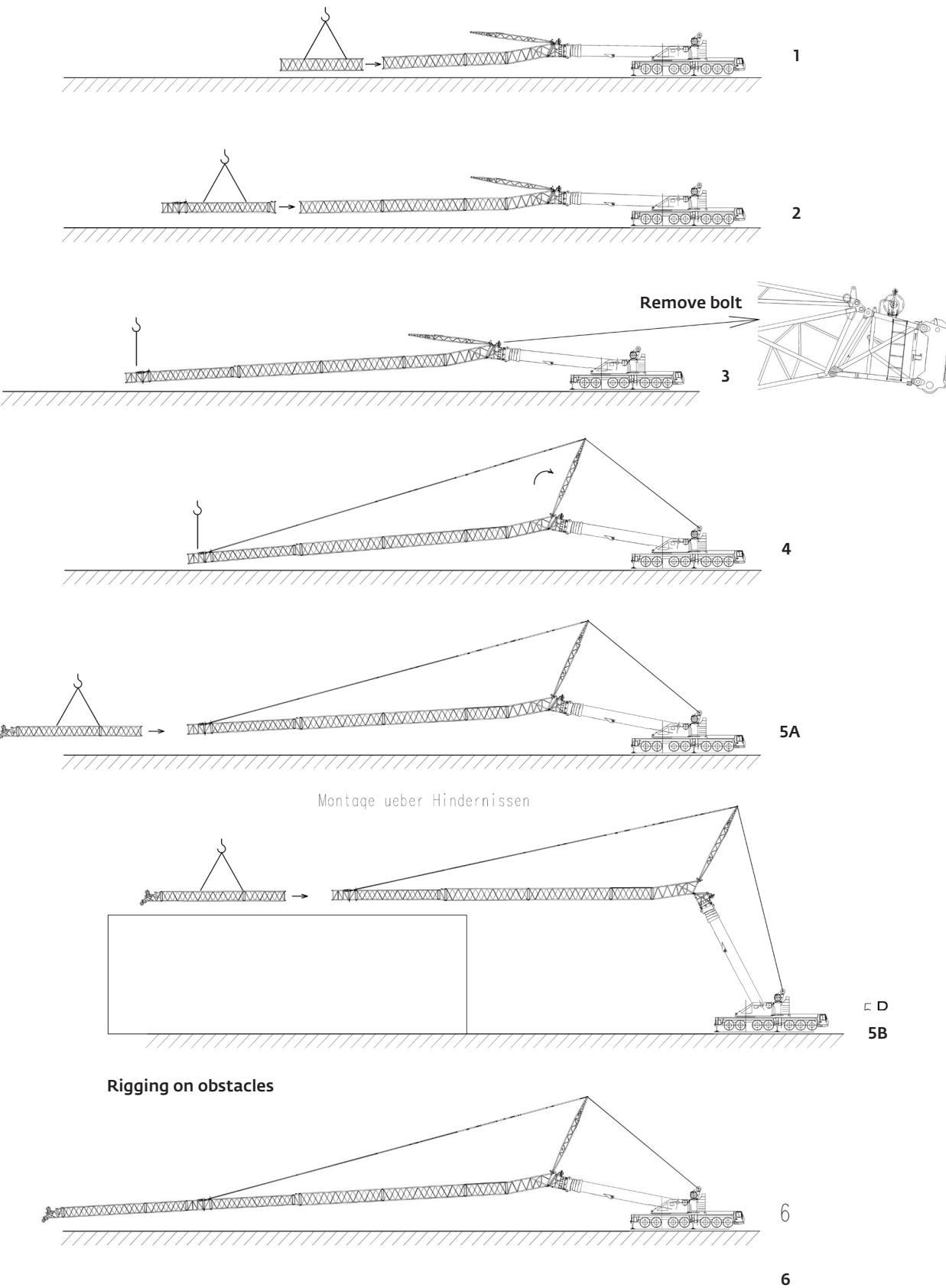
Without angle offset



Description	Length x width x height m (ft)	Weight in kg (lb)
A Foot Section	8.80 x 1.80 x 2.50 (28.87 x 5.90 x 8.20)	3700 (8160)
B Short intermediate sections, small cross-section, each	6.20 x 1.50 x 1.50 (20.34 x 4.91 x 4.91)	900 (1985)
C Short intermediate sections, large cross-section, each	6.20 x 1.80 x 1.90 (20.34 x 5.90 X 6.23)	1000 (2205)
D Long intermediate sections, small cross-section, each	12.20 x 1.50 x 1.50 (40.03 x 4.91 x 4.91)	1600 (3530)
E Long intermediate sections, large cross-section, each	12.20 x 1.80 x 1.90 (40.03 x 5.90 x 6.23)	1600 (3530)
F Angle piece	3.70 x 1.50 x 1.80 (12.14 x 4.91 x 5.90)	1600 (3530)
G Reducing piece	1.20 x 1.80 x 1.90 (3.94 x 5.90 x 6.23)	500 (1105)
H Head piece	3.20 x 1.50 x 2.10 (10.50 x 4.91 x 6.89)	1200 (2650)

Dimensions

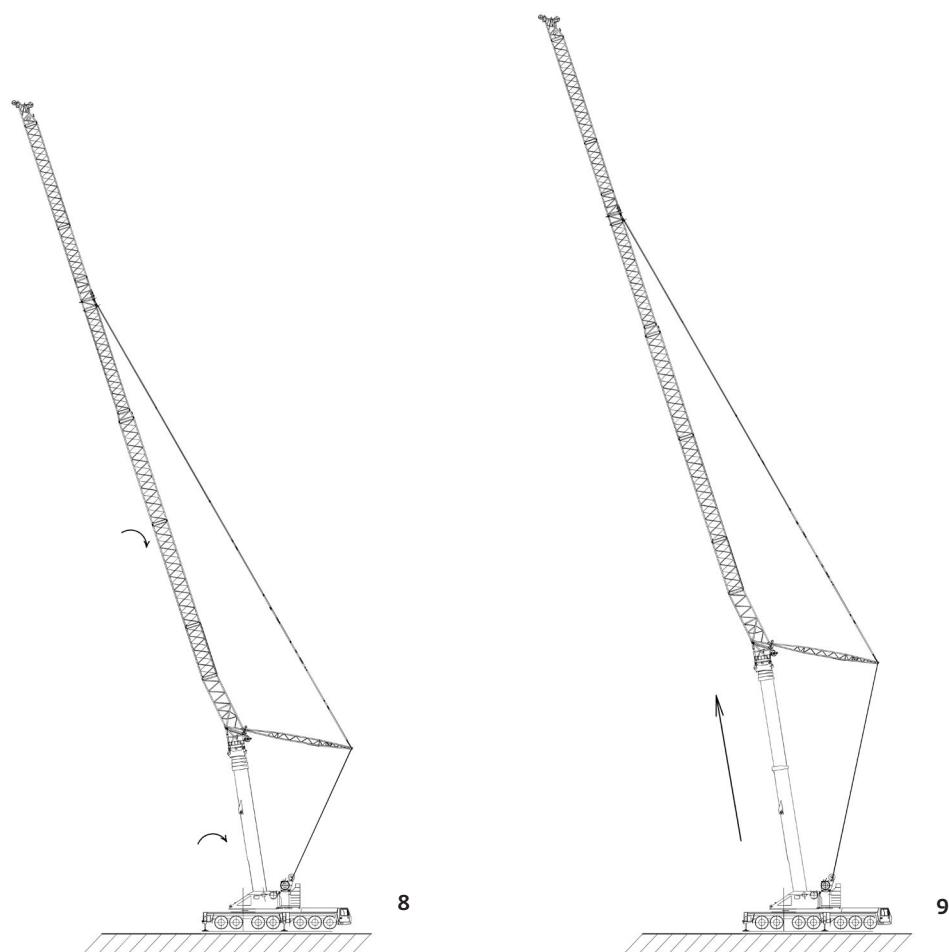
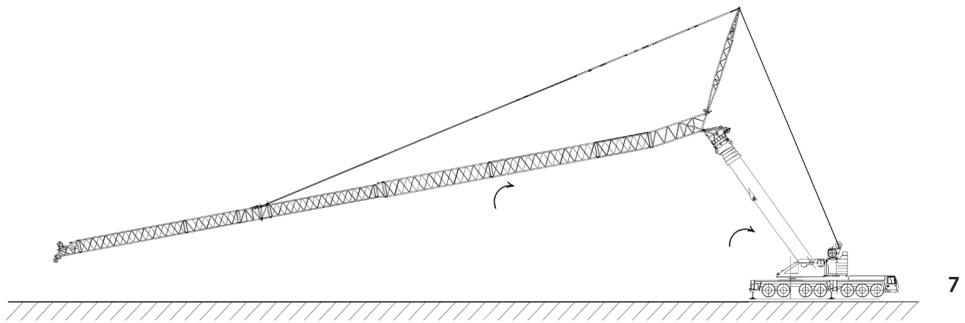
Aerial rigging of jib



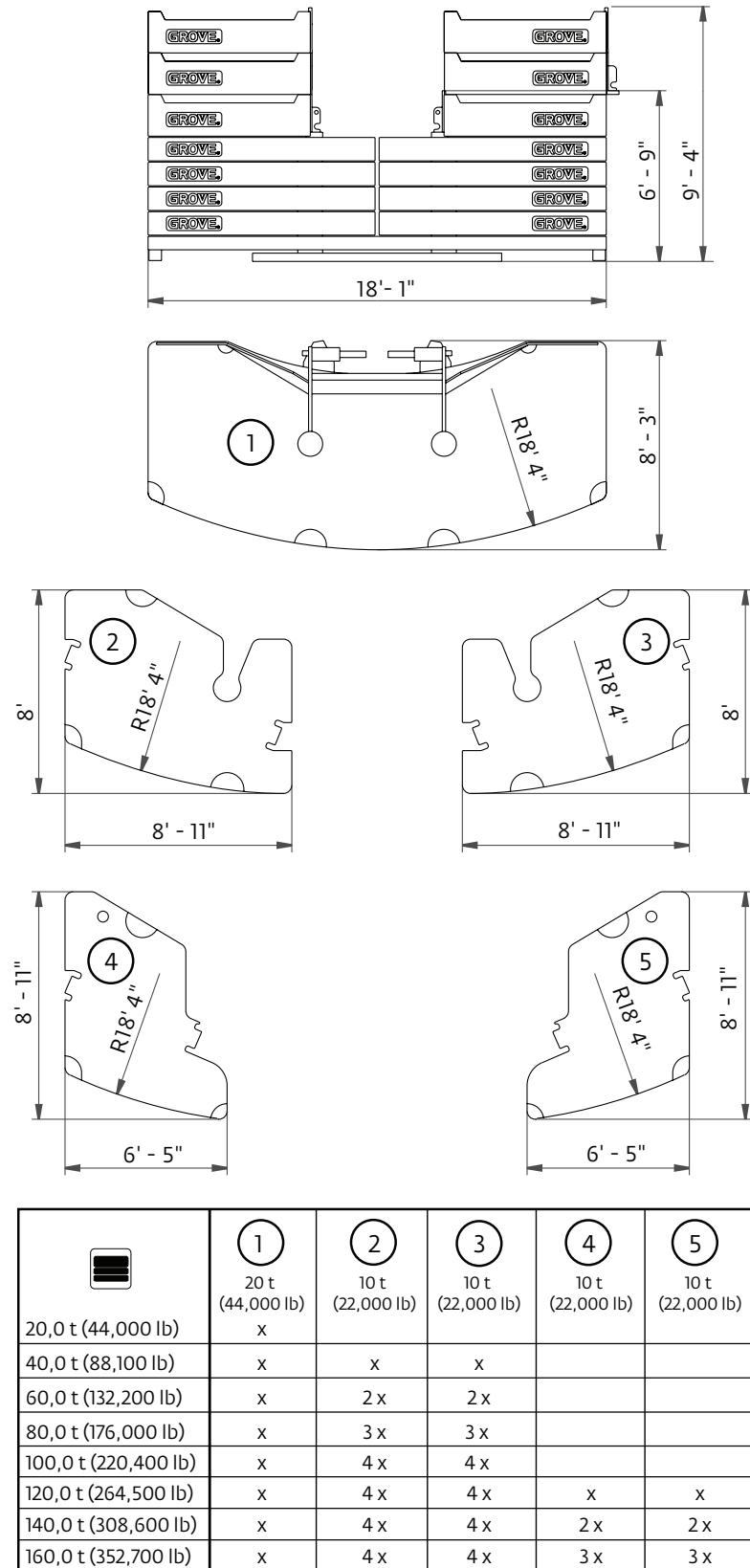
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Dimensions

Aerial rigging of jib

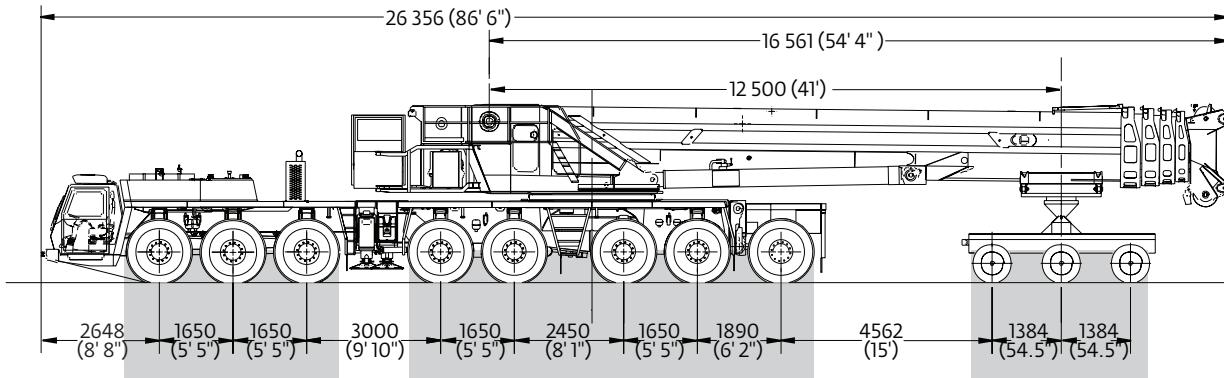


Counterweight



Travel proposals

Trailing boom dolly with 8th axle

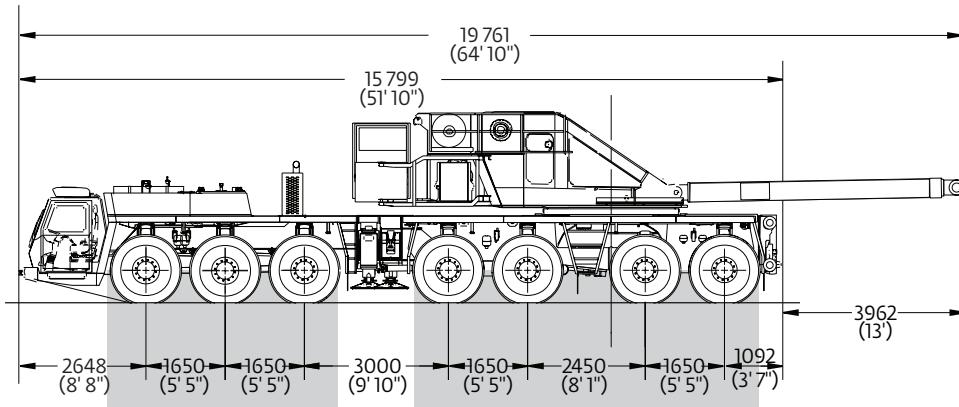


Axes 1 - 3	Axes 4 - 8	Dolly	Total GVW
Boom in dolly over rear, rear outrigger box removed, 8th axle installed	26 254 kg (57,879 lb)	38 388 kg (84,631 lb)	26 822 kg (59,132 lb)

- Unit equipped with:
- 20.5 tires on aluminum rims - axles 1 through 8
 - Operator, 75 kg (165 lb)
 - Welded on MEGAWINGLIFT hardware
 - Dolly weight: 3900 kg (8600 lb)

Allow 3% variation in weight due to manufacturing tolerances

Boom removed, superstructure over rear



Axes 1 - 3	Axes 4 - 7	Total GVW
Boom removed, superstructure over rear	16 717 kg (36,855 lb)	34 879 kg (76,895 lb)

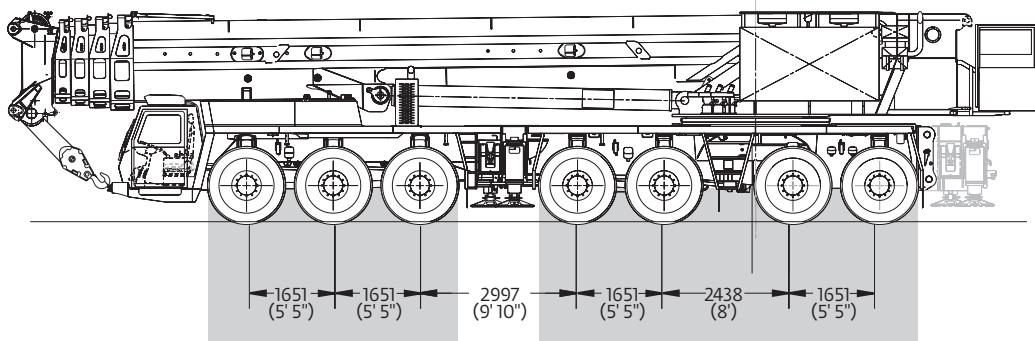
Unit equipped with:

- Rear outrigger box removed
- 20.5 tires on aluminum rims
- Operator, 75 kg (165 lb)

Allow 3% variation in weight due to manufacturing tolerances

Travel proposals

Boom over front



Axes 1 - 3 Axes 4 - 7/8 Total GVW

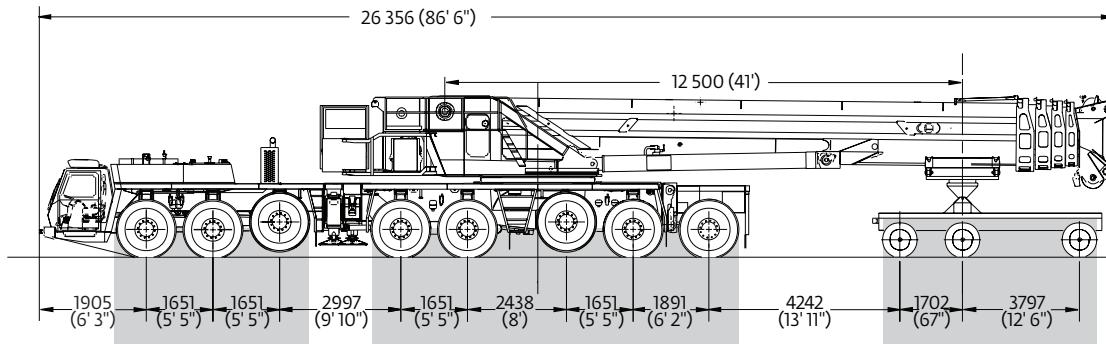
Boom over front, rear outrigger box removed	37 724 kg (83,167 lb)	47 502 kg (104,722 lb)	85 226 kg (187,889 lb)
Boom over front, rear outrigger box installed	33 762 kg (74,431 lb)	58 193 kg (128,292 lb)	91 955 kg (202,723 lb)
Boom over front, 8th axle installed	43 562 kg (96,038 lb)	44 000 kg (97,003 lb)	87 563 kg (193,041 lb)

Unit equipped with:

- 20.5 tires on aluminum rims
- Operator, 75 kg (165 lb)
- Welded on MEGAWINGLIFT hardware

Allow 3% variation in weight due to manufacturing tolerances

Trailing boom (spread dolly) with axles 3 and 6 raised



Axes 1 - 2 Axes 4, 5, 7, 8 Dolly Total GVW

Boom in dolly over rear, rear outrigger box removed, 8th axle installed, axles 3 and 6 raised	23 899 kg (52,689 lb)	40 743 kg (89,821 lb)	27 485 kg (60,594 lb)	92 127 kg (203,104 lb)
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Unit equipped with:

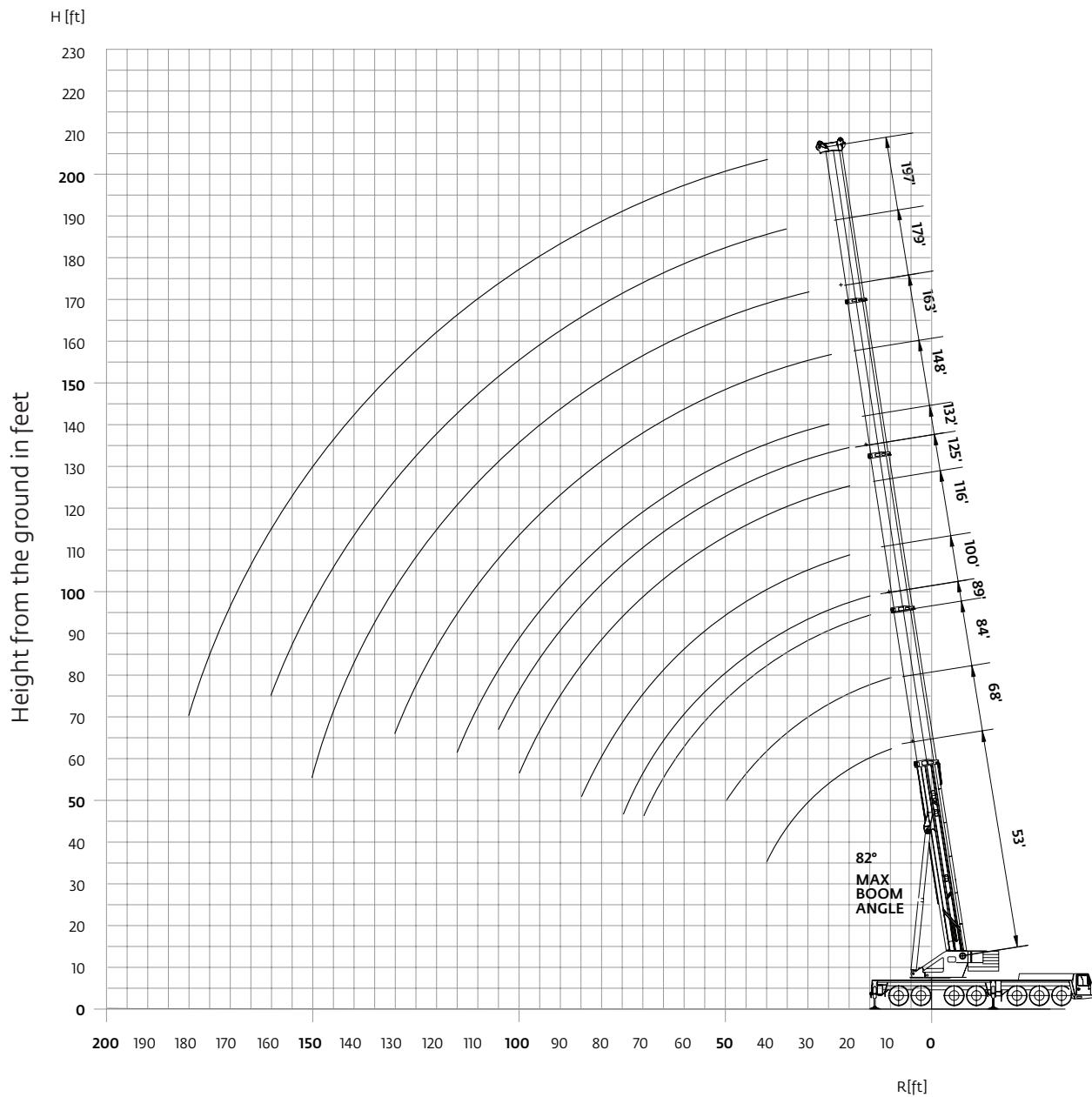
- 20.5 tires on aluminum rims - axles 1 through 8
- Operator, 75 kg (165 lb)
- Welded on MEGAWINGLIFT hardware
- 3 axle dolly (4563 kg (10,000 lb))

Allow 3% variation in weight due to manufacturing tolerances

Working range

Main boom

197 ft main boom



Operating radius in feet from axis of rotation

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



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Load charts

Main boom

16,0 m - 60 m
(53 ft - 197 ft)

120 000 kg
(264,500 lb)

29 ft 2 in spread
(100%)

360°



Pounds (thousands)

Feet	52.6	68.4	84.3	88.9	100.1	115.9	125.1	131.7	147.6	163.4	179.2	196.9
8	1100.0											
10	678.0	624.0										
15	538.0	536.0	496.0	300.0	410.0	372.0	284.0					
20	438.0	442.0	438.0	300.0	368.0	346.0	256.0	254.0				
25	370.0	374.0	374.0	300.0	278.0	282.0	206.0	207.0	186.0	168.0	146.0	
30	318.0	320.0	320.0	298.0	318.0	316.0	232.0	228.0	204.0	181.0		
35	276.0	280.0	280.0	270.0	278.0	282.0	187.0	186.0	168.0	155.0	141.0	123.0
40	242.0	244.0	246.0	238.0	244.0	246.0	154.0	155.0	141.0	131.0	119.0	
45		215.0	216.0	209.0	219.0	217.0	170.0	170.0	154.0	142.0	131.0	119.0
50		194.0	196.0	185.0	195.0	193.0	154.0	155.0	141.0	131.0	122.0	112.0
55		176.0	165.0	175.0	174.0	143.0	145.0	129.0	121.0	114.0	105.0	
60		159.0	147.0	159.0	157.0	132.0	136.0	120.0	111.0	106.0	98.0	
65		144.0	136.0	144.0	142.0	121.0	128.0	111.0	104.0	98.0	92.0	
70		131.0	122.0	130.0	127.0	111.0	119.0	102.0	97.0	92.0	86.0	
75		109.0		117.0	114.0	104.0	113.0	96.0	90.0	87.0	80.0	
80				106.0	104.0	95.0	107.0	90.0	83.0	81.0	76.0	
85					97.0	94.0	86.0	98.0	84.0	79.0	75.0	72.0
90						87.0	78.0	90.0	79.0	75.0	71.0	67.0
95						84.0	70.0	82.0	75.0	70.0	68.0	63.0
100						79.0	64.0	76.0	72.0	66.0	64.0	60.0
105						59.0	70.0	69.0	62.0	60.0	57.0	
110						56.0	65.0	66.0	59.0	56.0	54.0	
115						61.0	62.0	56.0	53.0	51.0		
120							57.0	52.0	51.0	47.0		
125							54.0	49.0	49.0	45.0		
130							50.0	47.0	46.0	43.4		
135								46.0	44.0	41.4		
140									43.4	41.2	39.6	
145									40.6	38.6	37.6	
150									38.2	36.0	35.8	
155										33.6	33.8	
160										31.4	31.6	
165											29.4	
170											27.6	
175											25.8	
180												24.2

Loads > 420,000 lb can only be lifted with additional equipment

* Over rear, 20 ft outrigger span, with special equipment

16,0 m - 60 m
(53 ft - 197 ft)

100 000 kg
(220,400 lb)

29 ft 2 in spread
(100%)

360°



Pounds (thousands)

Feet	52.6	68.4	84.3	88.9	100.1	115.9	125.1	131.7	147.6	163.4	179.2	196.9
8	788.0											
10	664.0	624.0										
15	526.0	524.0	496.0	300.0	410.0	372.0	284.0					
20	428.0	432.0	432.0	300.0	362.0	346.0	256.0	254.0				
25	360.0	364.0	364.0	300.0	362.0	346.0	206.0	207.0	186.0	168.0	146.0	
30	308.0	312.0	312.0	298.0	310.0	314.0	232.0	228.0	204.0	181.0		
35	264.0	268.0	268.0	262.0	272.0	270.0	206.0	207.0	186.0	168.0	146.0	123.0
40	228.0	232.0	236.0	226.0	226.0	236.0	234.0	187.0	186.0	168.0	155.0	141.0
45	206.0	208.0	196.0	207.0	205.0	170.0	170.0	154.0	142.0	131.0	119.0	
50	180.0	183.0	172.0	183.0	180.0	154.0	155.0	141.0	131.0	122.0	112.0	
55	159.0	150.0	158.0	155.0	143.0	145.0	129.0	121.0	114.0	105.0		
60	139.0	130.0	139.0	136.0	127.0	136.0	120.0	111.0	106.0	98.0		
65	123.0	115.0	123.0	120.0	111.0	124.0	111.0	104.0	98.0	92.0		
70	110.0	108.0	109.0	109.0	98.0	111.0	102.0	97.0	92.0	86.0		
75		96.0	98.0	102.0	87.0	99.0	94.0	90.0	87.0	80.0		
80			89.0	93.0	80.0	90.0	88.0	83.0	81.0	76.0		
85				81.0	84.0	75.0	82.0	83.0	78.0	75.0	72.0	
90					77.0	70.0	74.0	76.0	71.0	71.0	67.0	
95					71.0	65.0	68.0	69.0	67.0	67.0	63.0	
100					65.0	60.0	64.0	64.0	63.0	61.0	60.0	
105						55.0	61.0	59.0	58.0	56.0	56.0	
110						50.0	57.0	54.0	54.0	52.0	52.0	
115							53.0	50.0	49.0	48.0	48.0	
120								46.0	46.0	43.8	44.0	
125								44.0	44.0	42.4	40.4	
130								41.2	41.2	37.4	37.6	
135									36.4	34.6	34.6	
140									34.0	32.0	32.0	
145									31.6	29.6	29.6	
150									29.4	27.2	27.4	
155										25.2	25.4	
160										23.4	23.4	
165											21.6	
170											20.0	
175											18.4	
180											17.0	

Loads > 420,000 lb can only be lifted with additional equipment

* Over rear, 20 ft outrigger span, with special equipment



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Load charts

Main boom

 16,0 m - 60 m
(53 ft - 197 ft)
80 000 kg
(176,300 lb)

 29 ft 2 in spread
(100%)

 360°

Feet	Pounds (thousands)											
	52.6	68.4	84.3	88.9	100.1	115.9	125.1	131.7	147.6	163.4	179.2	196.9
8												
10	650.0	624.0										
15	512.0	514.0	496.0	300.0	410.0	372.0	284.0					
20	418.0	420.0	420.0	300.0	352.0	346.0	256.0	254.0				
25	352.0	355.0	354.0	300.0	350.0	296.0	232.0	228.0	204.0	181.0		
30	294.0	298.0	298.0	290.0	300.0	246.0	242.0	206.0	207.0	186.0	168.0	146.0
35	250.0	252.0	258.0	246.0	256.0	242.0	187.0	186.0	168.0	155.0	141.0	123.0
40	203.0	213.0	216.0	206.0	215.0	203.0	174.0	160.0	168.0	154.0	142.0	131.0
45	176.0	170.0	170.0	179.0	174.0	160.0	168.0	154.0	154.0	142.0	131.0	119.0
50	149.0	152.0	143.0	152.0	149.0	138.0	150.0	139.0	139.0	131.0	122.0	112.0
55	131.0	129.0	129.0	131.0	133.0	119.0	131.0	121.0	121.0	119.0	114.0	105.0
60	115.0	112.0	114.0	118.0	118.0	107.0	115.0	112.0	112.0	105.0	105.0	98.0
65	103.0	98.0	100.0	105.0	98.0	98.0	102.0	102.0	96.0	94.0	92.0	92.0
70	91.0	91.0	94.0	93.0	87.0	90.0	92.0	89.0	89.0	85.0	83.0	83.0
75		83.0	85.0	84.0	78.0	84.0	82.0	81.0	81.0	77.0	75.0	75.0
80			76.0	75.0	70.0	77.0	74.0	73.0	73.0	70.0	68.0	68.0
85				69.0	68.0	62.0	69.0	68.0	66.0	63.0	62.0	62.0
90					63.0	58.0	63.0	62.0	60.0	58.0	56.0	56.0
95					58.0	55.0	58.0	56.0	54.0	53.0	52.0	52.0
100					53.0	53.0	53.0	51.0	50.0	48.0	47.0	47.0
105					49.0	48.0	47.0	45.0	45.0	43.4	43.6	43.6
110					46.0	45.0	43.2	41.4	41.4	39.4	39.6	39.6
115						41.0	39.6	37.8	36.0	36.0	36.2	36.2
120							36.4	34.6	32.8	33.0		
125							33.6	31.8	29.8	30.0		
130							31.0	29.2	27.2	27.4		
135								26.8	25.8	25.6		
140								24.6	22.6	22.6		
145								22.6	20.4	20.6		
150								20.8	18.6	18.6		
155									16.8	17.0		
160									15.2	15.2		
165										13.8		
170										12.4		
175										11.0		
180										9.8		

Loads > 420,000 lb can only be lifted with additional equipment

 16,0 m - 60 m
(53 ft - 197 ft)
60 000 kg
(132,200 lb)

 29 ft 2 in spread
(100%)

 360°

Feet	Pounds (thousands)											
	52.6	68.4	84.3	88.9	100.1	115.9	125.1	131.7	147.6	163.4	179.2	196.9
10	634.0	624.0										
15	500.0	500.0	496.0	300.0	408.0	372.0	284.0					
20	406.0	410.0	410.0	300.0	338.0	314.0	256.0	254.0				
25	336.0	340.0	340.0	300.0	338.0	314.0	244.0	226.0	228.0	204.0	181.0	
30	268.0	276.0	278.0	254.0	262.0	244.0	199.0	182.0	194.0	179.0	168.0	146.0
35	205.0	215.0	219.0	208.0	212.0	199.0	182.0	194.0	179.0	168.0	141.0	123.0
40	171.0	175.0	172.0	174.0	170.0	151.0	161.0	150.0	143.0	141.0	121.0	116.0
45	141.0	145.0	142.0	144.0	145.0	135.0	136.0	133.0	127.0	110.0	104.0	101.0
50	118.0	124.0	119.0	126.0	125.0	115.0	119.0	114.0	110.0	104.0		
55	106.0	107.0	109.0	108.0	100.0	100.0	106.0	101.0	96.0	91.0	88.0	
60	92.0	93.0	95.0	94.0	88.0	94.0	89.0	85.0	80.0	78.0		
65	81.0	82.0	83.0	84.0	81.0	81.0	83.0	79.0	75.0	71.0	69.0	
70	71.0	72.0	74.0	74.0	75.0	74.0	71.0	67.0	63.0	61.0		
75		64.0	66.0	67.0	66.0	66.0	64.0	64.0	60.0	56.0	55.0	
80			59.0	59.0	59.0	59.0	58.0	58.0	54.0	51.0	49.0	
85				53.0	53.0	54.0	53.0	52.0	49.0	46.0	44.0	44.0
90				48.0	49.0	48.0	48.0	46.0	44.0	41.0	40.0	
95				43.6	44.0	44.0	43.2	41.8	40.0	37.0	36.2	
100				39.6	40.2	39.2	37.8	36.0	33.4	32.6		
105					36.6	35.6	34.2	32.4	32.4	30.2	29.4	
110					33.2	32.2	30.8	29.0	29.0	27.2	26.6	
115						29.2	27.8	26.0	24.2	24.0		
120							25.2	23.4	21.6	21.6		
125								22.8	21.0	19.2	19.2	
130								20.6	18.8	16.8	17.0	
135									16.8	14.8	15.0	
140									15.0	13.0	13.2	
145									13.4	11.2	11.4	
150									11.8	9.8	9.8	
155										8.2	8.4	
160										7.0	7.0	
165											5.8	
170											4.6	
175											3.6	

Loads > 420,000 lb can only be lifted with additional equipment

 16,0 m - 45 m
(53 ft - 148 ft)
0 kg
(0 lb)

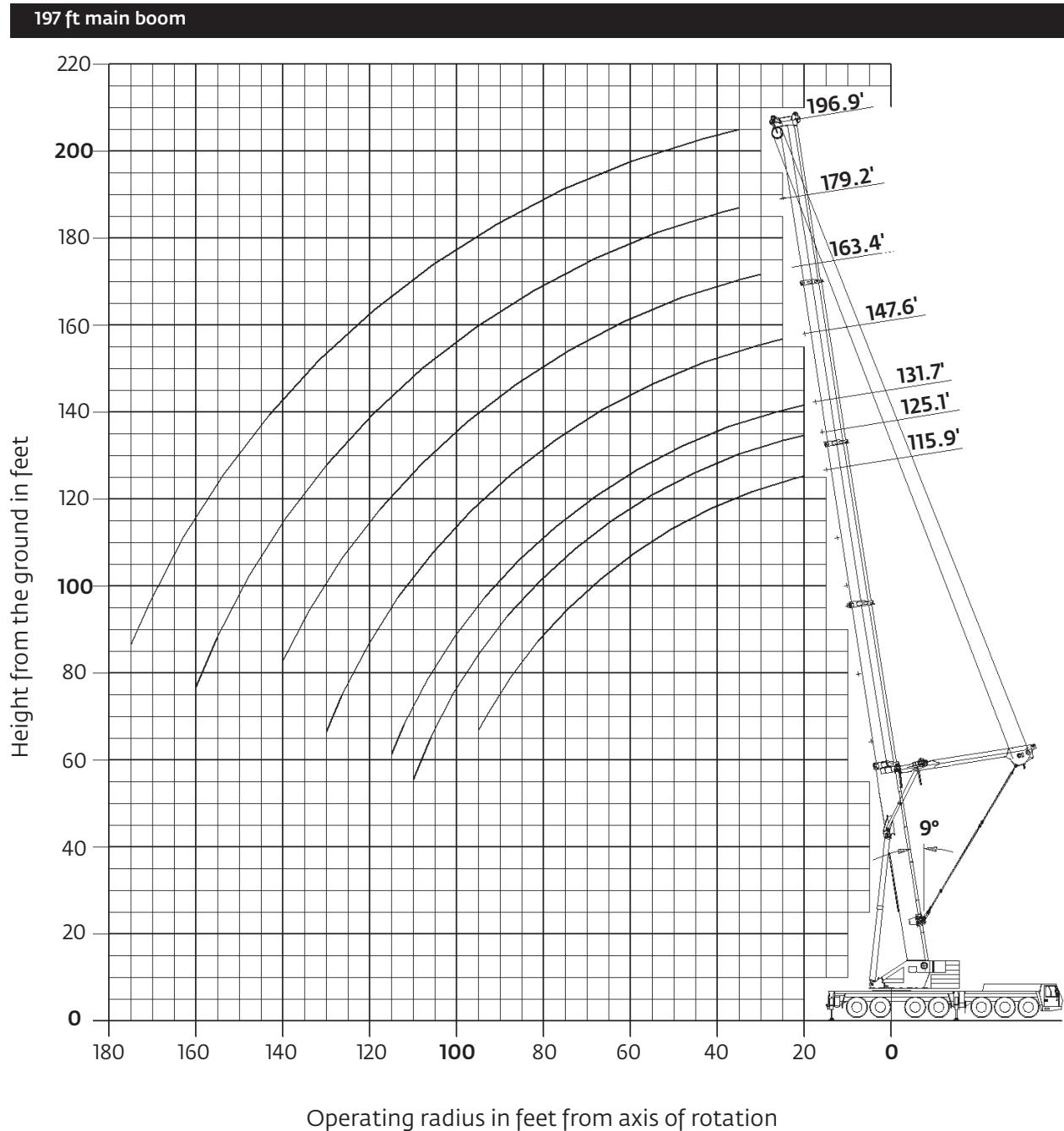
 29 ft 2 in spread
(100%)

 360°

Feet	Pounds (thousands)									
	52.6	68.4	84.3	88.9	100.1	115.9	125.1	131.7	147.6	
10	586.0	584.0								
15	440.0	366.0	302.0	278.0						
20	199.0	180.0	163.0	159.0	146.0	130.0	124.0			
25	114.0	111.0	106.0	104.0	99.0	90.0	87.0	81.0	53.0	
30	72.0	75.0	74.0	73.0	71.0	66.0	64.0	60.0	40.2	
35	49.0	53.0	54.0	54.0	53.0	50.0	49.0	45.0	30.6	
40	34.0	38.6	40.6	41.0	40.4	38.2	37.6	34.8	23.4	
45	28.2	30.8	31.4	31.4	29.8	29.4	27.0	17.6		
50	20.6	23.4	24.0	24.4	23.0	23.0	20.8	13.0		
55		17.6	18.2	18.8	17.8	17.8	16.0	9.2		
60		13.0	13.6	14.2	13.6	13.6	11.8	6.0		
65		9.2	9.8	10.6	10.0	10.2	8.4			
70		6.0	6.8	7.6	7.0	7.2	5.6			
75			4.0	5.0	4.4	4.8				

Working range

Main boom and MegaWingLift™



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

Load charts

Main boom and MegaWingLift™

35,3 m - 60 m
(116 ft - 197 ft)

160 000 kg
(352,700 lb)

29 ft 2 in spread
(100%)

360°



Pounds (thousands)

Feet	115.9	125.1	131.7	147.6	163.4	179.2	196.9
20	352.0	270.0	330.0				
25	324.0	254.0	310.0	298.0			
30	298.0	242.0	280.0	268.0	222.0	213.0	
35	274.0	230.0	258.0	244.0	211.0	200.0	167.0
40	242.0	219.0	240.0	226.0	200.0	186.0	158.0
45	222.0	209.0	219.0	212.0	190.0	175.0	149.0
50	200.0	195.0	197.0	193.0	181.0	164.0	142.0
55	182.0	180.0	181.0	175.0	172.0	154.0	134.0
60	166.0	167.0	166.0	163.0	161.0	146.0	127.0
65	153.0	153.0	153.0	152.0	147.0	138.0	121.0
70	140.0	141.0	140.0	139.0	138.0	130.0	115.0
75	129.0	130.0	129.0	128.0	127.0	124.0	110.0
80	120.0	120.0	120.0	119.0	118.0	116.0	104.0
85	111.0	112.0	111.0	110.0	109.0	108.0	100.0
90	104.0	104.0	104.0	103.0	102.0	100.0	96.0
95	97.0	97.0	97.0	96.0	95.0	93.0	91.0
100	91.0	91.0	91.0	90.0	89.0	87.0	87.0
105	86.0	86.0	85.0	84.0	83.0	82.0	82.0
110	73.0	73.0	80.0	79.0	78.0	77.0	77.0
115			71.0	75.0	73.0	72.0	72.0
120				70.0	69.0	68.0	68.0
125				67.0	65.0	63.0	64.0
130				58.0	61.0	60.0	60.0
135				58.0	56.0	56.0	
140				54.0	53.0	53.0	
145					49.0	50.0	
150					46.0	47.0	
155					43.6	44.0	
160					38.4	41.4	
165						39.0	
170						36.8	
175						33.8	

35,3 m - 60 m
(116 ft - 197 ft)

120 000 kg
(264,500 lb)

29 ft 2 in spread
(100%)

360°



Pounds (thousands)

Feet	115.9	125.1	131.7	147.6	163.4	179.2	196.9
20	352.0	270.0	330.0				
25	324.0	254.0	310.0	298.0			
30	298.0	242.0	280.0	268.0	222.0	213.0	
35	260.0	230.0	258.0	244.0	211.0	200.0	167.0
40	236.0	219.0	232.0	226.0	200.0	186.0	158.0
45	208.0	204.0	206.0	202.0	190.0	175.0	149.0
50	185.0	186.0	186.0	185.0	180.0	164.0	142.0
55	167.0	167.0	167.0	166.0	165.0	154.0	134.0
60	151.0	152.0	151.0	150.0	149.0	146.0	127.0
65	137.0	138.0	138.0	137.0	136.0	134.0	121.0
70	125.0	126.0	125.0	124.0	123.0	122.0	115.0
75	115.0	115.0	115.0	114.0	112.0	111.0	110.0
80	104.0	105.0	104.0	103.0	102.0	100.0	100.0
85	94.0	95.0	95.0	93.0	92.0	90.0	91.0
90	86.0	87.0	86.0	85.0	84.0	82.0	83.0
95	79.0	80.0	79.0	78.0	77.0	75.0	76.0
100	74.0	73.0	72.0	72.0	71.0	69.0	69.0
105	68.0	67.0	66.0	66.0	65.0	63.0	64.0
110	63.0	63.0	63.0	61.0	60.0	58.0	59.0
115		58.0	57.0	56.0	56.0	54.0	54.0
120			53.0	52.0	50.0	50.0	
125			49.0	48.0	46.0	46.0	
130			46.0	45.0	42.8	43.0	
135				41.4	39.6	40.0	
140				38.6	36.8	37.2	
145					34.2	34.4	
150					31.8	32.0	
155					29.6	29.8	
160					27.6	27.6	
165						25.8	
170						23.8	
175						22.2	



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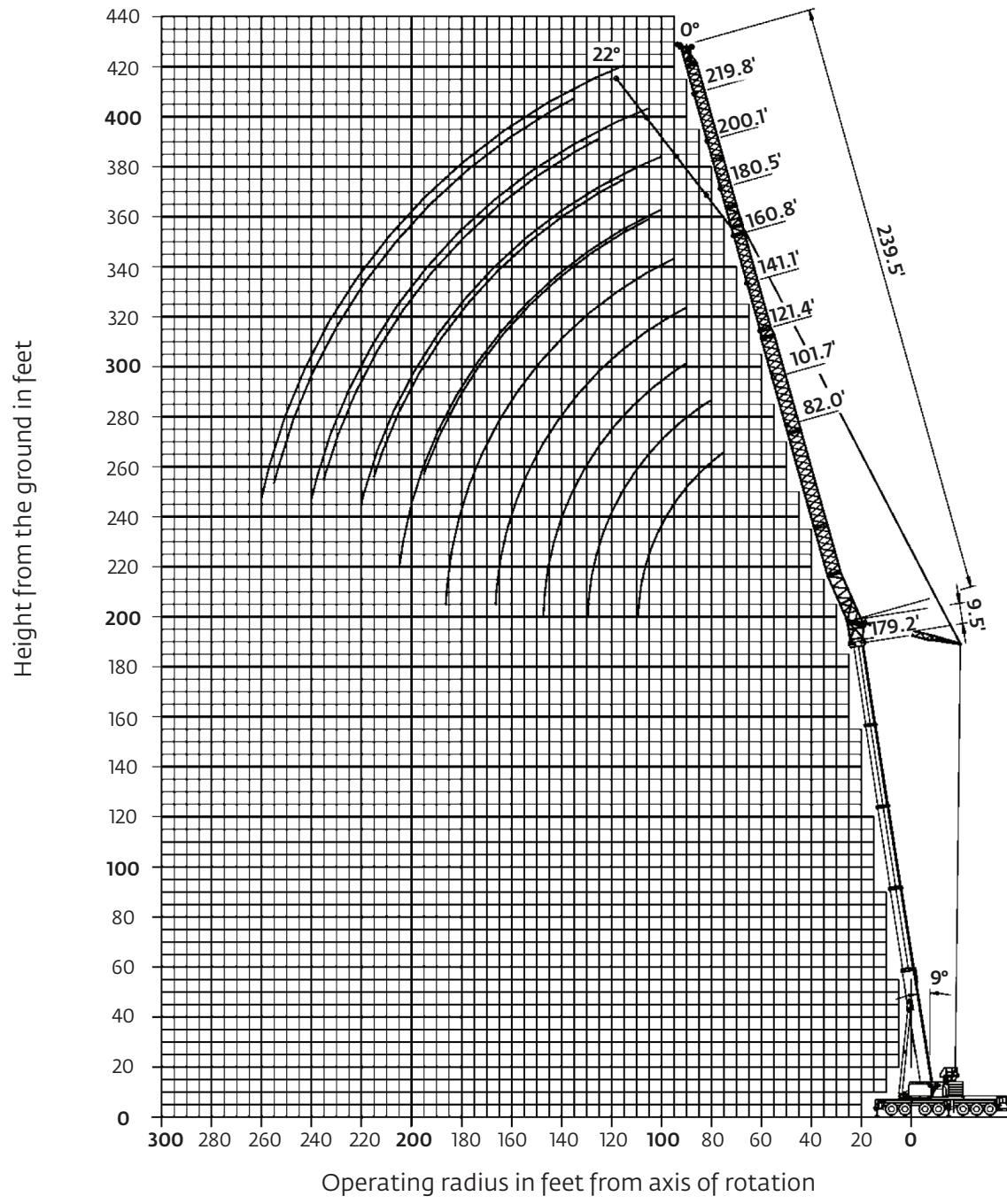
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Working range

Luffing jib

82 ft - 240 ft luffing jib - 81° main boom



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



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Load charts

Luffing jib

 81°
 16,0 m + 2,9 m
 (52.6 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
40	169.0	144.0							
45	160.0	140.0							
50	151.0	136.0	114.0	92.0					
55	142.0	132.0	111.0	91.0					
60	134.0	129.0	109.0	89.0	73.0				
65	128.0	125.0	106.0	88.0	72.0				
70	118.0	122.0	104.0	86.0	70.0	56.0	42.6		
75	102.0	118.0	102.0	84.0	69.0	54.0	41.4	32.6	
80	86.0	108.0	99.0	83.0	67.0	53.0	40.4	31.6	23.4
85	70.0	96.0	96.0	81.0	65.0	52.0	39.2	30.8	22.8
90		86.0	93.0	80.0	64.0	50.0	38.2	29.8	22.0
95		75.0	88.0	78.0	62.0	49.0	37.2	29.0	21.4
100		65.0	80.0	76.0	61.0	47.0	36.2	28.0	20.6
105			73.0	74.0	59.0	46.0	35.2	27.0	20.0
110			65.0	71.0	58.0	45.0	34.4	26.2	19.4
115			58.0	68.0	57.0	43.6	33.4	25.2	18.8
120			51.0	62.0	56.0	42.6	32.6	24.2	18.2
125				57.0	54.0	41.6	31.8	23.2	17.6
130				51.0	53.0	40.6	31.0	22.6	17.2
135				46.0	50.0	39.6	30.2	22.0	16.6
140					47.0	38.8	29.4	21.4	16.0
145					43.2	38.0	28.4	20.8	15.4
150					39.6	37.0	27.6	20.2	15.0
155					36.2	36.2	26.6	19.6	14.6
160					35.0	25.8	19.2	14.2	
165						33.4	24.8	18.6	13.6
170						31.8	24.4	18.2	13.2
175						29.6	23.8	17.8	12.8
180							23.2	17.2	12.4
185							22.8	16.8	12.0
190							22.2	16.4	11.6
195							21.6	15.8	11.2
200								15.6	11.0
205								15.2	10.6
210								14.8	10.2
215								14.4	9.8
220									9.6
225									9.2
230									9.0
235									8.6

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
40									
45	154.0								
50	145.0	125.0							
55	137.0	123.0	100.0						
60	129.0	120.0	99.0	79.0					
65	122.0	118.0	98.0	79.0					
70	117.0	116.0	97.0	79.0	63.0				
75	112.0	113.0	95.0	78.0	62.0	49.0	38.4		
80	107.0	111.0	93.0	77.0	61.0	48.0	37.6	29.6	
85	100.0	109.0	92.0	76.0	60.0	47.0	36.8	28.6	
90	81.0	105.0	90.0	75.0	59.0	46.0	36.0	27.8	21.0
95	98.0	89.0	74.0	58.0	45.0	35.0	26.8	20.4	
100	87.0	88.0	73.0	57.0	44.0	34.2	26.0	20.0	
105	75.0	87.0	72.0	55.0	43.2	33.6	25.0	19.4	
110	62.0	81.0	71.0	54.0	42.2	32.8	24.4	18.8	
115		75.0	70.0	53.0	41.4	32.0	23.8	18.2	
120		67.0	69.0	52.0	40.6	31.2	23.2	17.6	
125			68.0	51.0	39.8	30.6	22.6	17.2	
130			64.0	50.0	39.0	29.8	22.0	16.6	
135			59.0	48.0	38.0	29.2	21.4	16.2	
140			53.0	47.0	37.4	28.6	21.0	15.8	
145			45.0	36.6	27.8	20.4	15.2		
150			43.6	35.8	27.2	20.0	14.8		
155			42.2	35.2	26.4	19.4	14.4		
160			40.6	34.4	25.8	18.8	14.0		
165				33.6	25.0	18.4	13.6		
170				33.0	24.2	18.0	13.2		
175				32.4	23.4	17.6	12.8		
180				31.8	22.8	17.0	12.4		
185					22.4	16.6	12.0		
190					22.0	16.2	11.6		
195					21.4	15.8	11.2		
200					21.0	15.4	10.8		
205						15.0	10.6		
210						14.6	10.2		
215						14.2	9.8		
220						13.8	9.6		
225							9.2		
230							9.0		
235									



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Load charts

Luffing jib

 81°
 35,3 m + 2,9 m
 (115.9 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
45									
50	116.0								
55	113.0	99.0							
60	107.0	99.0	80.0						
65	102.0	95.0	80.0						
70	97.0	92.0	80.0	65.0					
75	93.0	88.0	79.0	65.0	51.0				
80	89.0	84.0	77.0	64.0	51.0	40.4	32.0		
85	85.0	80.0	75.0	64.0	50.0	39.8	31.6		
90	82.0	77.0	72.0	63.0	49.0	39.2	31.2	23.8	
95	79.0	74.0	70.0	62.0	49.0	38.8	30.6	23.4	18.4
100	72.0	67.0	61.0	48.0	38.2	30.2	23.0	18.0	
105	69.0	65.0	60.0	47.0	37.6	29.6	22.6	17.4	
110	67.0	62.0	58.0	47.0	37.2	29.2	22.2	17.0	
115	64.0	60.0	56.0	46.0	36.6	28.6	21.6	16.6	
120		58.0	55.0	45.0	36.0	28.2	21.2	16.2	
125		57.0	53.0	45.0	35.6	27.6	20.8	15.8	
130		55.0	52.0	44.0	35.0	27.2	20.4	15.4	
135		50.0	43.6	34.4	26.6	20.0	15.0		
140		49.0	43.0	33.8	26.0	19.4	14.6		
145		48.0	42.4	33.4	25.2	19.0	14.2		
150		47.0	41.8	32.8	24.6	18.6	14.0		
155			41.2	32.4	24.0	18.2	13.6		
160			40.6	31.8	23.6	17.8	13.2		
165			40.2	31.2	23.0	17.4	12.8		
170			39.6	30.8	22.6	17.0	12.4		
175				30.2	22.2	16.6	12.2		
180				29.8	21.8	16.4	11.8		
185				29.2	21.4	16.0	11.4		
190				28.8	21.0	15.6	11.2		
195					20.6	15.2	10.8		
200					20.2	14.8	10.6		
205					19.8	14.4	10.2		
210						14.2	9.8		
215						13.8	9.6		
220						13.6	9.2		
225						13.2	9.0		
230							8.8		
235							8.4		
240							8.2		

 81°
 45,0 m + 2,9 m
 (147.6 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
55									
60	86.0								
65	83.0								
70	79.0	70.0							
75	75.0	67.0	57.0	45.0					
80	71.0	65.0	57.0	45.0	37.2				
85	68.0	62.0	57.0	45.0	37.2				
90	65.0	60.0	55.0	45.0	37.2	29.8	23.2		
95	62.0	58.0	54.0	45.0	37.0	29.8	23.2	18.0	
100	59.0	56.0	52.0	45.0	36.8	29.4	23.2	18.0	
105		53.0	50.0	45.0	36.4	29.2	22.8	18.0	13.6
110		52.0	49.0	45.0	36.2	29.0	22.6	17.8	13.6
115		50.0	47.0	44.0	36.0	28.8	22.4	17.6	13.4
120		49.0	46.0	42.6	35.8	28.6	22.2	17.4	13.2
125		44.0	41.2	35.4	28.2	22.0	17.2	13.0	
130		43.0	40.0	35.2	28.0	21.6	16.8	12.8	
135		41.8	38.8	35.0	27.8	21.4	16.6	12.6	
140		40.4	37.6	34.6	27.6	21.2	16.4	12.2	
145			36.4	33.8	27.2	20.8	16.2	12.0	
150			35.4	33.2	27.0	20.6	15.8	11.8	
155			34.4	32.4	26.8	20.4	15.6	11.6	
160				31.8	26.4	20.0	15.4	11.4	
165				31.0	26.0	19.8	15.0	11.0	
170				30.2	25.6	19.6	14.8	10.8	
175				29.2	25.4	19.2	14.6	10.6	
180					25.0	19.0	14.4	10.4	
185					24.6	18.8	14.0	10.0	
190					24.4	18.4	13.8	9.8	
195					24.0	18.2	13.6	9.6	
200						18.0	13.2	9.4	
205						17.6	13.0	9.2	
210						17.4	12.8	9.0	
215						17.2	12.6	8.6	
220							12.2	8.4	
225							12.0	8.2	
230							11.8	8.0	
235							11.6	7.8	
240							7.6		
245								7.4	



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Load charts

Luffing jib

 81°
 49,8 m + 2,9 m
 (163.4 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
65									
70	67.0								
75	64.0	57.0							
80	62.0	57.0	45.0	37.0					
85	59.0	55.0	45.0	37.0					
90	57.0	53.0	45.0	37.0	29.2				
95	55.0	51.0	45.0	37.0	29.2	23.8	19.2		
100	53.0	50.0	45.0	37.0	29.2	23.8	19.2	14.6	
105		48.0	44.0	37.0	29.2	23.6	19.0	14.6	10.8
110		46.0	43.2	37.0	29.2	23.6	19.0	14.6	10.8
115		45.0	41.8	37.0	29.2	23.4	18.8	14.4	10.8
120		43.4	40.6	36.6	29.2	23.2	18.6	14.4	10.8
125			39.2	35.8	29.2	23.2	18.6	14.2	10.6
130			38.0	34.8	29.2	23.0	18.4	14.0	10.4
135			36.8	34.0	29.2	22.8	18.2	13.8	10.2
140			35.8	33.0	28.8	22.6	18.0	13.6	10.2
145				32.0	28.6	22.6	17.8	13.6	10.0
150					31.0	28.2	22.4	17.6	13.4
155						30.0	27.8	17.6	13.2
160						29.2	27.4	17.4	13.0
165							27.0	21.8	12.8
170							26.2	21.8	12.6
175							25.4	21.6	12.6
180							24.8	21.4	12.4
185								21.2	16.4
190								21.0	16.2
195								20.6	16.0
200								20.4	16.0
205									15.8
210									15.6
215									15.4
220									15.2
225									10.8
230									10.6
235									10.4
240									10.2
245									6.8
250									6.6
255									6.4
									6.2

 81°
 54,6 m + 2,9 m
 (179.2 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
70									
75	55.0								
80	55.0	45.0							
85	55.0	45.0							
90	53.0	45.0	36.6	29.8					
95	51.0	45.0	36.6	29.8	23.8				
100	49.0	45.0	36.6	29.8	23.8	19.6	15.2		
105	47.0	43.2	36.6	29.8	23.8	19.6	15.2	11.6	
110	45.0	41.8	36.6	29.8	23.8	19.4	15.2	11.6	
115		40.4	36.6	29.8	23.8	19.4	15.2	11.6	8.4
120		39.0	36.2	29.8	23.8	19.4	15.0	11.6	8.4
125		37.8	35.2	29.8	23.8	19.2	15.0	11.6	8.4
130		36.4	34.0	29.8	23.8	19.2	15.0	11.4	8.2
135			33.0	29.8	23.8	19.0	14.8	11.4	8.2
140			32.0	29.2	23.8	19.0	14.8	11.2	8.0
145			31.0	28.4	23.8	18.8	14.6	11.2	8.0
150			30.0	27.4	23.8	18.8	14.6	11.0	7.8
155				26.6	23.6	18.6	14.4	11.0	7.8
160				25.8	23.4	18.6	14.4	10.8	7.6
165				25.2	23.2	18.4	14.2	10.8	7.6
170				24.4	23.0	18.4	14.2	10.6	7.4
175					22.4	18.2	14.0	10.4	7.4
180					21.8	18.2	13.8	10.4	7.2
185					21.2	18.0	13.8	10.2	7.2
190					20.4	18.0	13.6	10.2	7.0
195						17.6	13.6	10.0	6.8
200						17.2	13.4	10.0	6.8
205						16.8	13.4	9.8	6.6
210							13.2	9.6	6.6
215							13.0	9.6	6.4
220							13.0	9.4	6.2
225								9.2	6.2
230								9.2	6.0
235								9.0	5.8
240								8.8	5.8
245									5.6
250									5.6
255									5.4
260									5.2



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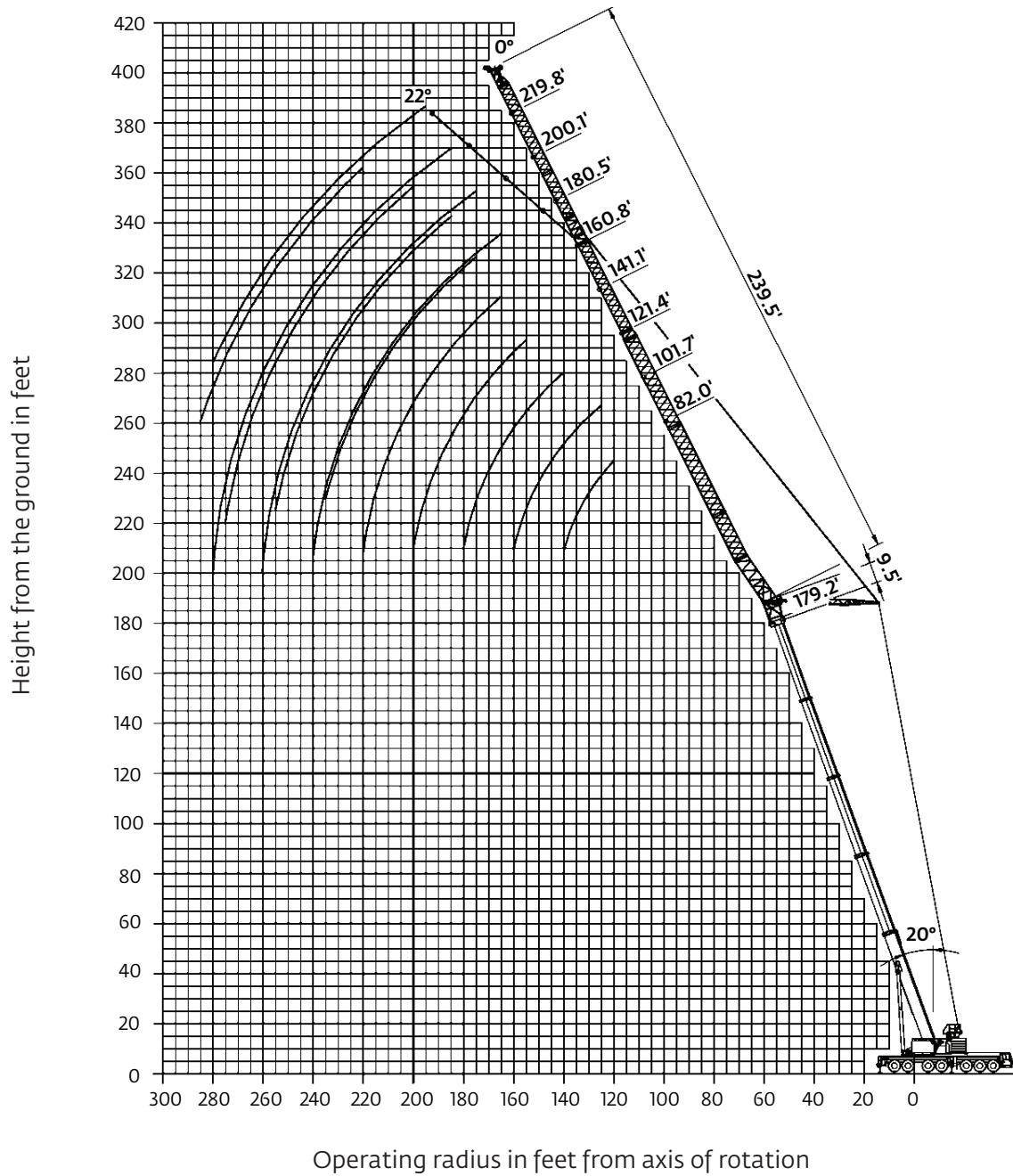
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Working range

Luffing jib

82 ft - 240 ft luffing jib - 70° main boom



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



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Load charts

Luffing jib

 70°
 16,0 m + 2,9 m
 (52.6 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120,000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
60	152.0								
65	142.0								
70	134.0								
75	128.0	125.0							
80	120.0	119.0							
85	112.0	112.0							
90	104.0	105.0	100.0						
95		98.0	97.0	81.0					
100		92.0	91.0	80.0	64.0				
105		86.0	85.0	79.0	62.0				
110		78.0	80.0	77.0	61.0				
115			76.0	75.0	59.0	46.0			
120			72.0	71.0	58.0	45.0	34.4		
125			68.0	67.0	57.0	43.6	33.4	25.4	
130			61.0	64.0	56.0	42.6	32.6	24.4	
135				61.0	54.0	41.6	31.8	23.4	17.6
140					58.0	53.0	40.6	31.0	22.6
145					55.0	51.0	39.6	30.2	22.0
150					49.0	50.0	38.8	29.4	21.4
155						48.0	38.0	28.8	20.8
160						45.0	37.0	28.0	20.2
165						43.2	36.2	27.2	19.8
170						40.0	35.4	26.4	19.2
175							34.6	25.6	18.8
180							34.0	24.8	18.2
185							33.0	24.0	17.8
190							31.4	23.2	17.2
195								22.6	16.8
200								22.2	16.4
205								21.6	16.0
210									15.6
215									15.0
220									14.6
225									14.4
230									9.6
235									9.2
240									9.0
245									
250									
255									8.6

 70°
 75,7 m + 2,9 m
 (84.3 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120,000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
70									
75	116.0								
80	110.0								
85	104.0								
90	97.0	96.0							
95	90.0	89.0	89.0						
100	85.0	84.0	83.0						
105		78.0	78.0	75.0					
110		74.0	73.0	72.0					
115		70.0	69.0	68.0	57.0				
120		66.0	65.0	64.0	56.0				
125		62.0	61.0	55.0	42.4				
130		59.0	58.0	54.0	41.6				
135		56.0	55.0	53.0	40.8	31.4			
140		53.0	52.0	52.0	39.8	30.8	22.8		
145			50.0	49.0	39.0	30.0	22.2	16.8	
150			48.0	47.0	38.2	29.4	21.6	16.2	
155			46.0	45.0	37.6	28.6	21.0	15.8	
160			43.6	43.2	36.8	28.0	20.4	15.4	
165				41.4	36.0	27.2	20.0	14.8	
170					39.6	35.2	26.4	19.4	14.4
175					38.0	34.6	25.6	19.0	14.0
180					36.4	33.8	24.8	18.6	13.6
185						33.2	24.0	18.0	13.2
190						32.6	23.6	17.6	12.8
195						31.8	23.0	17.2	12.4
200						30.4	22.4	16.6	12.0
205							22.0	16.2	11.6
210							21.6	15.8	11.2
215							21.0	15.4	11.0
220							20.6	15.0	10.6
225								14.6	10.2
230								14.4	10.0
235								14.0	9.6
240									9.4
245									9.0
250									8.8
255									8.4



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Load charts

Luffing jib

 70°
 35,3 m + 2,9 m
 (115.9 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
85									
90	72.0								
95	69.0								
100	66.0	63.0							
105	64.0	61.0	58.0						
110	61.0	58.0	55.0						
115	59.0	56.0	53.0						
120	54.0	52.0	49.0						
125	52.0	50.0	48.0						
130	51.0	48.0	46.0						
135	50.0	47.0	44.0	43.0					
140		46.0	43.0	41.6	36.8				
145		44.0	41.6	40.4	36.8	27.8			
150		42.8	40.4	39.0	35.8	27.4			
155		41.6	39.2	37.8	34.8	26.8	20.2		
160			38.0	36.8	34.0	26.2	19.6	14.8	
165				37.0	35.6	33.0	25.6	19.2	14.4
170				36.0	34.6	32.0	25.0	18.8	14.0
175				35.0	33.6	31.2	24.2	18.4	13.8
180					32.8	30.2	23.6	18.0	13.4
185					31.6	29.4	23.2	17.6	13.0
190					30.4	28.6	22.8	17.2	12.6
195					29.2	27.8	22.4	16.8	12.2
200					27.0	22.0	16.4	12.0	
205					26.0	21.6	16.0	11.6	
210					25.0	21.0	15.8	11.2	
215					24.0	20.6	15.4	11.0	
220						20.2	15.0	10.6	
225						19.8	14.6	10.4	
230						19.6	14.2	10.0	
235						19.2	14.0	9.8	
240							13.6	9.4	
245							13.4	9.2	
250								8.8	
255								8.6	
260								8.4	
265								8.0	

 70°
 45,0 m + 2,9 m
 (147.6 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
95									
100	51.0								
105	51.0								
110	49.0								
115	46.0	42.0							
120	44.0	40.4							
125	42.0	39.0	36.8						
130	40.2	37.6	35.6						
135		36.4	34.4	32.0					
140		35.2	33.2	30.8					
145		34.0	32.0	29.8	28.8				
150		33.0	31.0	28.8	27.8				
155			30.0	27.8	26.8	24.6			
160			29.0	27.0	25.8	24.2	21.4		
165			28.2	26.0	25.0	23.4	21.2	16.4	
170			27.4	25.4	24.4	22.6	20.8	16.2	
175				24.8	23.8	21.8	20.2	16.0	11.8
180				24.0	23.0	21.0	19.6	15.8	11.8
185				23.4	22.4	20.4	19.0	15.6	11.4
190				22.8	21.6	19.6	18.4	15.2	11.2
195					21.0	19.0	17.8	15.0	11.0
200					20.4	18.4	17.2	14.8	10.8
205					19.8	17.8	16.6	14.6	10.6
210						17.2	16.0	14.2	10.2
215						16.8	15.6	14.0	10.0
220						16.2	15.0	13.6	9.8
225						15.8	14.6	13.4	9.6
230							14.0	13.0	9.4
235							13.6	12.6	9.0
240							13.2	12.2	8.8
245							12.8	11.8	8.6
250								11.4	8.4
255								11.2	8.2
260								10.8	8.0
265									7.8
270									7.6
275									7.2
280									



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Load charts

Luffing jib

 70°
 49,8 m + 2,9 m
 (163.4 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°



Pounds (thousands)

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
110									
115	39.0								
120	37.6	35.2							
125	36.2	33.8							
130	35.0	32.6							
135	33.8	31.6	29.6						
140		30.4	28.6						
145		29.4	27.6	25.4					
150		28.4	26.6	24.6					
155		27.6	25.8	24.0					
160		25.0	23.2	23.0	19.4				
165		24.4	22.4	22.2	19.4		17.2		
170		23.6	21.6	21.4	18.6		17.2		
175		23.0	21.0	20.6	18.0		16.8	13.6	
180			20.2	20.0	17.4		16.2	13.4	
185			19.6	19.2	16.6		15.6	13.2	9.6
190			19.0	18.6	16.0		15.0	13.2	9.6
195			18.4	18.0	15.6		14.6	12.8	9.4
200				17.4	15.0		14.0	12.4	9.2
205				16.8	14.4		13.4	12.0	9.0
210				16.2	14.0		13.0	11.6	9.0
215				15.8	13.4		12.6	11.2	8.8
220				15.2	13.0		12.2	10.8	8.6
225					12.6		11.6	10.4	8.4
230					12.0		11.2	10.0	8.2
235					11.6		10.8	9.6	8.0
240							10.4	9.4	7.8
245							10.0	9.0	7.6
250							9.8	8.6	7.2
255							9.4	8.2	7.0
260								8.0	6.8
265								7.6	6.6
270								7.4	6.2
275								7.0	6.0
280								5.8	
285									5.4

 70°
 54,6 m + 2,9 m
 (179.2 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°



Pounds (thousands)

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
115									
120	35.0								
125	33.6	29.8							
130	32.4	28.8							
135	31.2	27.6							
140	30.2	26.8	25.0						
145		25.8	24.4						
150		25.2	23.4						
155		24.4	22.6	20.6					
160		23.6	21.8	19.8					
165		21.2	19.2	18.2	15.4				
170		20.4	18.4	17.4	15.4				
175		19.8	17.8	16.8	14.8		12.8		
180		19.2	17.2	16.2	14.2		12.8		
185		16.6	15.6	13.8	12.4		10.6		
190		16.0	15.0	13.2	12.0		10.6		
195		15.6	14.6	12.6	11.4		10.2	7.6	
200		15.0	14.0	12.2	11.0		9.8	7.6	
205		13.6	11.6	10.6	9.4		7.4		
210		13.0	11.2	10.0	9.0		7.4		
215		12.6	10.8	9.6	8.6		7.2		
220		12.2	10.4	9.2	8.4		7.0		
225			10.0	9.0	8.0		6.6		
230			9.6	8.6	7.6		6.4		
235			9.2	8.2	7.2		6.0		
240				8.8	7.8		7.0	5.8	
245					7.4		6.6	5.4	
250					7.2		6.2	5.2	
255					6.8		6.0	4.8	
260					6.6		5.6	4.6	
265							5.4	4.4	
270							5.2	4.0	
275							4.8	3.8	
280							4.6		
285								3.6	



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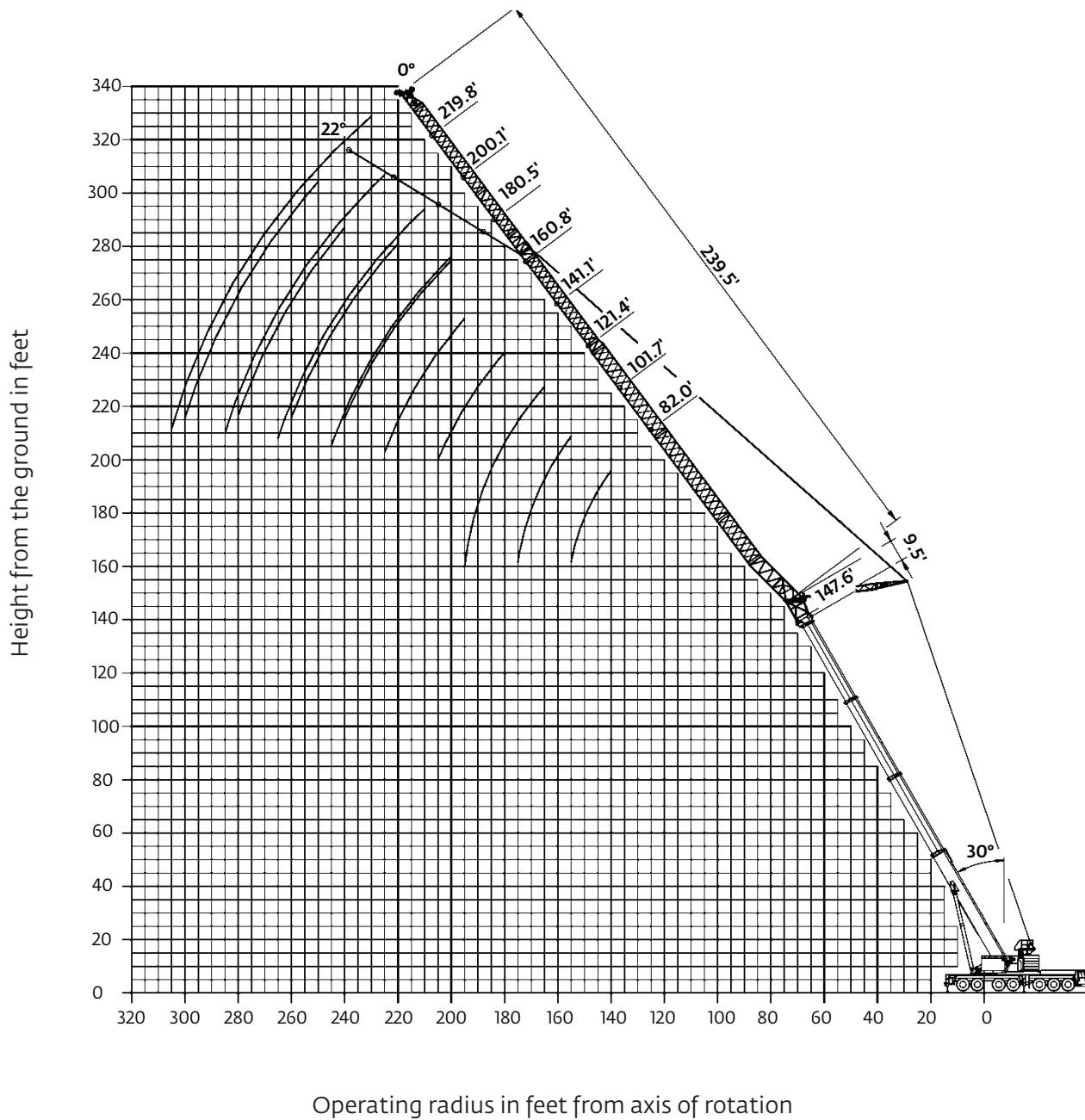
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Working range

Luffing jib

82 ft - 240 ft luffing jib - 60° main boom



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

Load charts

Luffing jib

 60°
 16,0 m + 2,9 m
 (52.6 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
90	100.0								
95	94.0	93.0							
100	88.0	87.0							
105		82.0	81.0						
110		77.0	76.0						
115		73.0	72.0						
120		69.0	68.0	67.0					
125			64.0	63.0					
130			61.0	60.0					
135			58.0	57.0	57.0				
140			56.0	55.0	54.0				
145				52.0	52.0	41.6			
150				50.0	49.0	40.6			
155				48.0	47.0	39.6	30.2		
160				46.0	45.0	38.8	29.4		
165					43.2	37.8	28.6	20.8	
170					41.4	37.0	28.0	20.2	
175					39.8	36.2	27.2	19.6	
180						35.4	26.4	19.2	14.0
185						34.6	25.4	18.6	13.6
190						33.8	24.4	18.2	13.2
195						33.2	23.8	17.6	12.8
200							23.2	17.2	12.4
205							22.6	16.8	12.0
210							22.0	16.4	11.6
215							21.6	15.8	11.2
220								15.4	10.8
225								15.0	10.6
230								14.8	10.2
235								14.4	9.8
240									9.6
245									9.2
250									9.0
255									8.6

 60°
 25,7 m + 2,9 m
 (84.3 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
95									
100	77.0								
105	72.0								
110	68.0								
115	64.0	63.0							
120		60.0							
125		57.0	56.0						
130		54.0	53.0						
135		51.0	50.0						
140			48.0	47.0					
145			46.0	44.0					
150			43.4	42.4					
155			41.6	40.4	39.6				
160				38.6	37.8	37.0			
165				37.0	36.2	35.4			
170				35.4	34.6	33.8			
175				34.0	33.2	32.4	28.0		
180					31.8	31.0	27.4		
185					30.6	29.8	26.8	19.4	
190					29.4	28.6	26.0	19.0	
195					28.2	27.4	25.4	18.4	
200						26.2	24.8	18.0	13.2
205						25.2	23.8	17.6	12.8
210						24.2	23.0	17.2	12.4
215						23.4	22.4	16.6	12.0
220						21.8	16.2	11.6	
225						21.0	15.8	11.2	
230						20.2	15.4	11.0	
235						19.4	15.0	10.6	
240							14.6	10.2	
245							14.4	10.0	
250							14.0	9.6	
255							13.6	9.2	
260								9.0	
265								8.8	
270								8.4	
275								8.2	

Load charts

Luffing jib

 60°
 35,3 m + 2,9 m
 (115.9 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

		 Pounds (thousands)							
Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
115									
120	51.0								
125	49.0								
130	47.0								
135	46.0	43.6							
140		42.2							
145		40.6	38.6						
150		38.8	37.4						
155		36.8	36.2						
160		34.4	33.2						
165		33.0	31.8						
170		31.6	30.4						
175		30.2	29.0	28.2					
180			27.8	27.0					
185			26.6	25.8	25.0				
190			25.6	24.8	23.8				
195			24.4	23.8	22.8	22.0			
200			22.8	21.8	21.2				
205			21.8	21.0	20.2	20.2	17.6		
210			21.0	20.2	19.4	17.2	12.6		
215			20.0	19.2	18.6	16.8	12.2		
220				18.4	17.8	16.4	12.0		
225				17.8	17.0	16.0	11.6		
230				17.0	16.4	15.8	11.2		
235				16.2	15.6	15.2	11.0		
240					15.0	14.6	10.6		
245					14.4	13.8	10.4		
250						13.2	10.0		
255						12.8	9.8		
260						12.2	9.4		
265						11.6	9.2		
270							8.8		
275							8.6		
280							8.4		
285							8.0		

 60°
 45,0 m + 2,9 m
 (147.6 ft + 9.5 ft)

 25 m - 73 m
 (82 ft - 240 ft)

 120 000 kg
 (264,500 lb)

 29 ft 2 in spread
 (100%)

 360°

		 Pounds (thousands)							
Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
135									
140	33.4								
145	31.6								
150	30.0								
155	28.6	26.0							
160		25.2							
165		24.6	23.0						
170		23.8	22.2						
175		23.0	21.4						
180			20.8	18.8					
185			20.2	18.2					
190			19.6	17.6					
195			18.8	17.0	16.0				
200				16.4	15.4	13.6			
205				16.0	15.0	13.2			
210					14.4	12.6	15.2		
215					14.0	12.2	12.6		
220					13.4	11.6	10.6		
225					13.0	11.2	10.2	9.2	
230						10.8	9.8	8.8	8.4
235						10.4	9.4	8.4	8.4
240						10.0	9.0	8.2	8.2
245						9.6	8.6	7.8	7.8
250							8.2	7.4	7.6
255							7.8	7.0	7.2
260							7.6	6.8	7.0
265							7.2	6.4	6.6
270								6.2	6.4
275								5.8	6.0
280								5.6	5.6
285								5.4	5.2
290									4.8
295									4.4
300									4.0
305									3.6



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Load charts

Luffing jib

 60°
 25 m - 61 m
 120 000 kg
 29 ft 2 in spread (100%)
 360°
 49,8 m + 2,9 m
 (163.4 ft + 9.5 ft)

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1
140							
145	25.4						
150	24.8						
155	24.0						
160	23.2	21.2					
165		20.6					
170		19.8					
175		19.2	17.6				
180		18.6	17.0				
185			16.4	14.4			
190			15.8	14.0			
195			15.4	13.4			
200			14.8	13.0			
205				12.4	11.4		
210				12.0	11.0	9.2	
215				11.6	10.6	8.8	
220				11.2	10.2	8.4	7.6
225					9.8	8.0	7.2
230					9.4	7.6	6.8
235					9.0	7.2	6.4
240					8.6	6.8	6.0
245						6.6	5.8
250						6.2	5.4
255						6.0	5.2
260						5.6	4.8
265							4.6
270							4.2
275							4.0
280							3.8

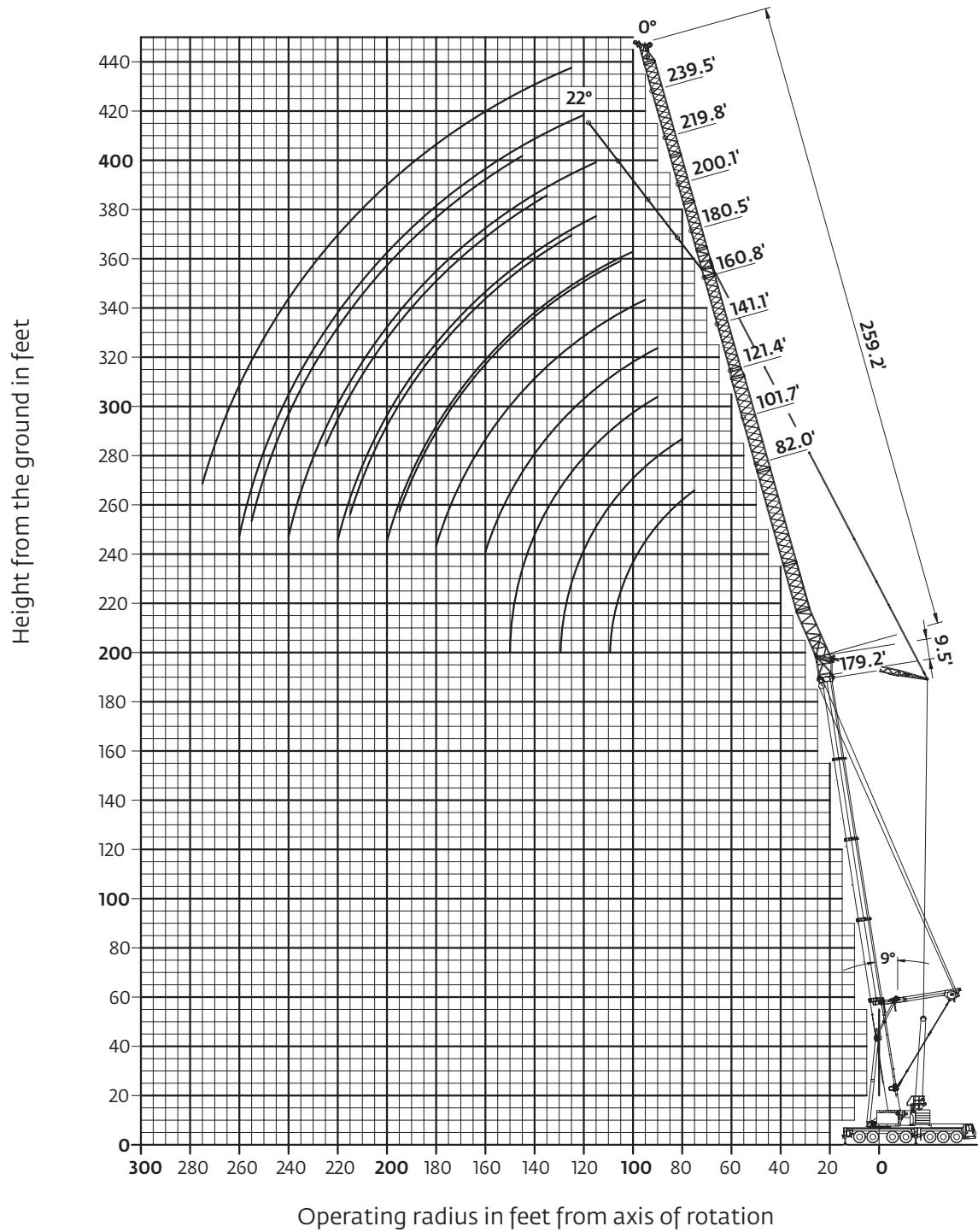
 60°
 31 m - 49 m
 120 000 kg
 29 ft 2 in spread (100%)
 360°
 54,6 m + 2,9 m
 (179.2 ft + 9.5 ft)

Feet	101.7	121.4	141.1	160.8
170				
175		16.0		
180		15.4		
185		14.8	13.2	
190		14.4	12.8	
195		13.8	12.4	
200		11.8	10.0	
205		11.4	9.6	
210			9.2	
215			8.8	
220			8.4	7.4
225			8.0	7.0
230				6.6
235				6.4
240				6.0
245				5.8

Working range

Luffing jib with MegaWingLift™

82 ft - 259 ft luffing jib - 81° main boom with MegaWingLift



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

Load charts

Luffing jib with MegaWingLift™

 81°
 49,8 m + 2,9 m
 (163.4 ft + 9.5 ft)

 25 m - 79 m
 (82 ft - 259 ft)

 160 000 kg
 (352,700 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
70	98.0									
75	95.0	85.0								
80	93.0	83.0	74.0							
85	91.0	81.0	73.0							
90	89.0	79.0	72.0	60.0						
95	86.0	78.0	70.0	60.0	50.0	41.2				
100	81.0	76.0	68.0	60.0	50.0	41.2				
105	74.0	67.0	60.0	50.0	41.2		34.2	28.6		
110	71.0	66.0	59.0	50.0	41.2		34.2	28.6		
115	68.0	64.0	58.0	50.0	41.2		34.2	28.6	22.6	
120	65.0	63.0	57.0	50.0	41.2		34.2	28.6	22.6	17.2
125		60.0	55.0	50.0	41.2		34.2	28.6	22.6	17.2
130		58.0	54.0	50.0	41.2		34.2	28.6	22.6	17.2
135		55.0	52.0	50.0	41.2		34.2	28.6	22.6	17.2
140		53.0	50.0	50.0	41.2		34.2	28.6	22.6	17.2
145		48.0	48.0	41.2			34.2	28.6	22.6	17.2
150		47.0	47.0	41.2			34.2	28.6	22.6	17.2
155		45.0	46.0	41.2			34.2	28.6	22.6	17.2
160		43.0	44.0	40.6			34.2	28.6	22.6	17.2
165		43.0	39.8				34.2	28.6	22.6	17.2
170		41.6	39.2				34.2	28.6	22.6	17.2
175		40.2	38.4				34.2	28.6	22.4	17.2
180			38.8	37.2			34.2	28.6	22.0	17.2
185				36.2			34.2	28.4	21.6	17.2
190				35.0			33.8	28.0	21.2	16.8
195				34.0			32.8	27.4	20.8	16.4
200							32.0	26.8	20.4	16.0
205							31.0	26.2	20.0	15.8
210							29.8	25.8	19.6	15.4
215							28.4	25.4	19.2	15.0
220							27.0	25.0	18.8	14.8
225							24.6	18.4	14.4	
230							24.2	18.2	14.0	
235							23.6	17.8	13.8	
240								17.6	13.4	
245								17.2	13.2	
250								17.0	13.0	
255								16.8	12.6	
260								12.4		
265								12.2		

 81°
 54,6 m + 2,9 m
 (179.2 ft + 9.5 ft)

 25 m - 79 m
 (82 ft - 259 ft)

 160 000 kg
 (352,700 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
75	85.0									
80	80.0	75.0								
85	76.0	71.0								
90	73.0	68.0	64.0	55.0						
95	69.0	65.0	61.0	54.0	47.0					
100	66.0	62.0	59.0	53.0	47.0	38.0				
105	63.0	60.0	56.0	51.0	47.0	38.0				
110	60.0	57.0	53.0	50.0	47.0	38.0				
115	54.0	51.0	48.0	46.0	38.0		31.6	25.2		
120	51.0	49.0	47.0	45.0	38.0		31.6	25.2	20.8	
125	49.0	47.0	45.0	45.0	38.0		31.6	25.2	20.8	15.8
130	46.0	45.0	43.0	43.4	38.0		31.6	25.2	20.8	15.8
135	43.2	41.4	42.0	38.0			31.6	25.2	20.8	15.8
140	41.4	39.8	40.6	37.4			31.6	25.2	20.8	15.8
145	39.6	38.2	39.2	36.4			31.6	25.2	20.8	15.8
150	37.8	36.6	38.0	35.4			31.6	25.2	20.8	15.8
155	35.2	36.8	34.6				31.6	25.2	20.8	15.8
160	33.8	35.4	33.4				31.2	25.2	20.8	15.8
165		34.2	31.8				30.6	25.2	20.8	15.8
170			33.0	30.4			30.0	25.2	20.8	15.8
175			31.8	29.0			28.8	25.2	20.8	15.8
180			30.6	27.4			27.6	25.0	20.8	15.8
185				26.6			26.4	24.4	20.8	15.8
190				25.6			25.2	23.8	20.8	15.8
195				24.6			24.0	23.0	20.6	15.8
200				23.8			23.2	22.4	20.2	15.8
205							22.4	21.8	19.8	15.8
210							21.6	21.0	19.4	15.4
215							20.8	20.4	19.0	15.2
220							20.0	19.8	18.6	14.8
225								19.0	18.2	14.6
230								18.4	17.6	14.2
235								17.8	17.0	14.0
240								17.0	16.6	13.6
245									16.0	13.4
250									15.4	13.2
255									14.8	12.8
260									14.2	12.6
265									12.4	
270									12.0	
275									11.8	



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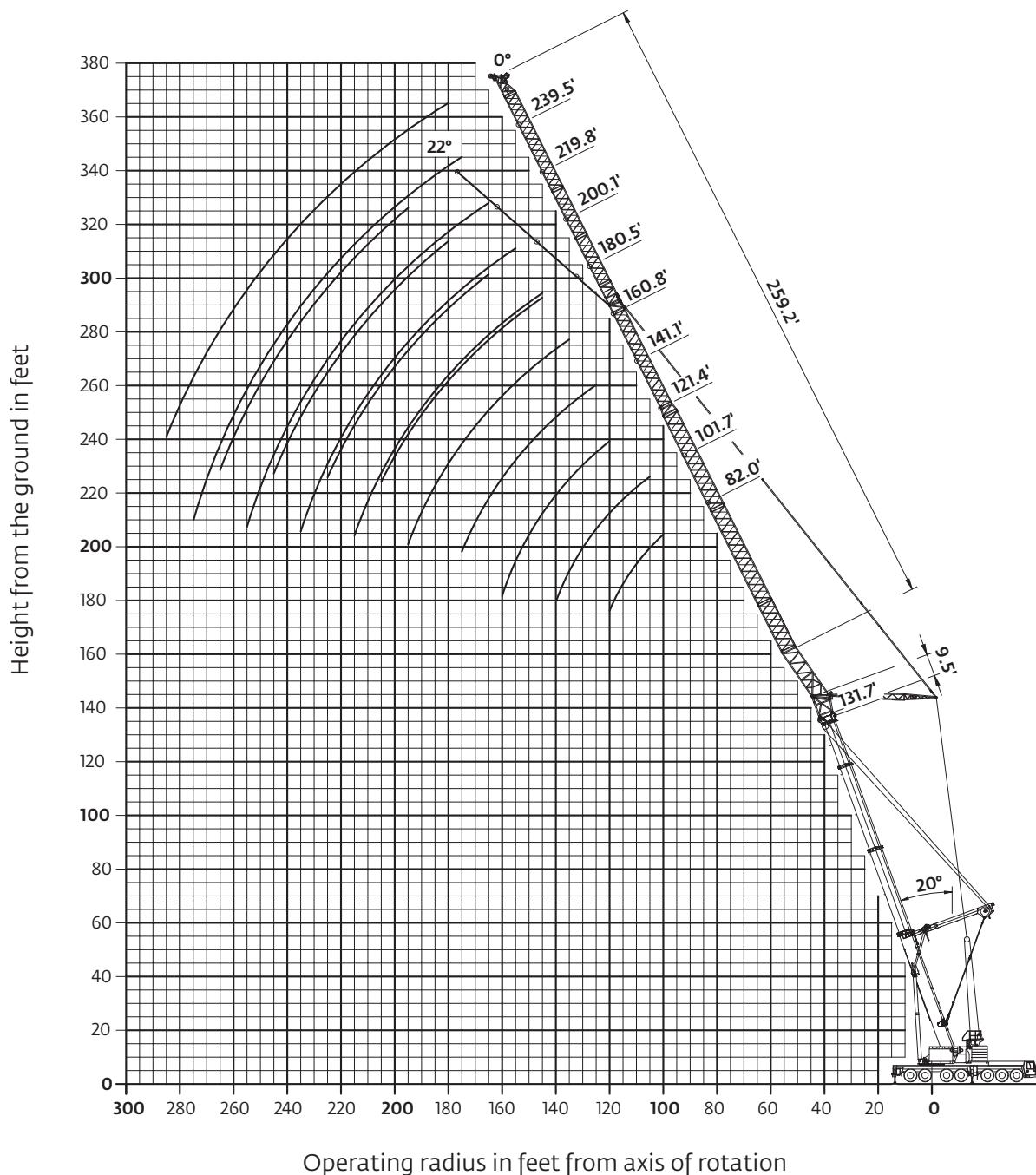
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Working range

Luffing jib with MegaWingLift™

82 ft - 259 ft luffing jib - 70° main boom with MegaWingLift



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

Load charts

Luffing jib with MegaWingLift™

 70°
 34,3 m + 2,9 m
 (115.9 ft + 9.5 ft)

 25 m - 79 m
 (82 ft - 259 ft)

 160 000 kg
 (352,700 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
95	98.0									
100	93.0	91.0								
105	88.0	87.0								
110	84.0	83.0								
115	80.0	79.0	78.0							
120		75.0	74.0	71.0						
125		72.0	71.0	70.0	60.0					
130		68.0	68.0	67.0	60.0					
135		66.0	65.0	64.0	59.0					
140		62.0	61.0	59.0	48.0					
145		60.0	59.0	58.0	47.0	40.4				
150		58.0	57.0	56.0	47.0	40.4				
155		55.0	54.0	54.0	47.0	40.4				
160		52.0	52.0	47.0	40.4	33.4				
165		50.0	50.0	46.0	40.4	33.2	25.2			
170		49.0	48.0	46.0	40.4	32.8	24.8			
175		46.0	45.0	40.4	32.4	24.4	18.8			
180		45.0	43.6	40.4	32.0	23.8	18.8			
185		43.2	42.2	40.4	31.6	23.4	18.8			
190		41.6	40.8	39.8	31.2	23.0	18.4			
195		39.2	38.4	30.8	22.4	18.0				
200		37.8	37.0	29.8	22.0	17.6				
205		36.6	35.8	29.0	21.4	17.2				
210		34.6	28.0	21.0	16.6					
215		33.4	27.2	20.6	16.2					
220		32.2	26.6	20.2	15.8					
225		31.2	26.0	19.8	15.4					
230			25.6	19.2	15.2					
235			25.2	18.8	14.8					
240			24.8	18.4	14.4					
245			24.4	18.0	14.0					
250				17.8	13.8					
255				17.4	13.4					
260				17.2	13.2					
265				16.8	12.8					
270					12.6					
275					12.4					
280					12.2					

 70°
 45,0 m + 2,9 m
 (147.6 ft + 9.5 ft)

 25 m - 79 m
 (82 ft - 259 ft)

 160 000 kg
 (352,700 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
105	83.0									
110	79.0									
115	75.0	71.0								
120	72.0	69.0								
125	68.0	68.0	62.0							
130	65.0	65.0	61.0							
135	62.0	59.0	54.0							
140	59.0	58.0	53.0	51.0						
145	57.0	56.0	53.0	50.0						
150	55.0	54.0	53.0	49.0						
155	52.0	51.0	48.0	39.6						
160	50.0	49.0	47.0	39.6	37.0					
165	48.0	47.0	46.0	39.6	37.0					
170	46.0	45.0	44.0	39.6	37.0					
175	43.8	42.8	39.6	37.0	31.2					
180		42.2	41.2	39.6	36.6	31.2	24.0			
185		39.8	38.4	36.2	31.0	23.6				
190		38.4	37.0	35.6	30.8	23.4				
195		37.0	35.6	34.8	30.6	23.0	17.4			
200		35.6	34.4	33.4	30.4	22.6	17.4			
205		34.4	33.0	32.2	30.0	22.2	17.4			
210		32.0	31.2	29.8	21.8	17.4				
215		30.8	30.0	29.0	21.4	17.0				
220		29.8	29.0	28.2	21.0	16.6				
225			28.0	27.4	20.6	16.2				
230			27.0	26.4	20.2	15.8				
235			26.0	25.4	19.8	15.4				
240			25.2	24.6	19.4	15.2				
245			24.2	23.8	19.0	14.8				
250				23.0	18.6	14.6				
255				22.2	18.2	14.2				
260				21.4	18.0	14.0				
265					17.6	13.6				
270					17.4	13.4				
275					17.0	13.2				
280					16.8	12.8				
285						12.6				
290						12.4				
295						12.0				



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Load charts

Luffing jib with MegaWingLift™

 70°
 49,8 m + 2,9 m
 (163.4 ft + 9.5 ft)

 25 m - 79 m
 (82 ft - 259 ft)

 160 000 kg
 (352,700 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
115	72.0									
120	70.0	62.0								
125	67.0	60.0								
130	64.0	59.0								
135	61.0	58.0	52.0							
140		56.0	51.0	46.0						
145		55.0	50.0	46.0						
150		52.0	49.0	45.0						
155		50.0	48.0	44.0	42.2					
160			47.0	43.2	41.6	35.2				
165			45.0	42.2	40.8	35.2				
170			43.6	41.2	40.8	35.2				
175			42.0	39.8	39.6	35.2	32.0			
180				38.4	39.0	35.0	31.6	28.4		
185				37.2	38.0	34.6	31.2	28.2		
190				35.8	36.6	34.0	30.6	27.8		
195					35.4	33.6	30.4	27.4	22.4	
200					34.0	32.8	30.0	27.0	22.2	
205					32.8	31.6	29.6	26.6	22.0	16.8
210					31.6	30.4	29.2	26.4	21.6	16.8
215					30.6	29.4	28.4	26.0	21.4	16.8
220						28.4	27.4	25.6	21.0	16.8
225						27.4	26.4	25.0	20.8	16.4
230							25.4	24.4	20.4	16.0
235							24.6	23.8	20.0	15.8
240							23.8	23.2	19.6	15.4
245							22.8	22.4	19.2	15.0
250							22.0	21.6	19.0	14.8
255							21.2	20.8	18.6	14.4
260								20.0	18.2	14.2
265								19.4	18.0	13.8
270									17.6	13.6
275									17.4	13.4
280									17.0	13.0
285									16.4	12.8
290										12.6
295										12.2
300										12.0

 70°
 54,6 m + 2,9 m
 (179.2 ft + 9.5 ft)

 25 m - 79 m
 (82 ft - 259 ft)

 160 000 kg
 (352,700 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
120	57.0									
125	53.0	49.0								
130	51.0	47.0								
135	49.0	46.0								
140	47.0	43.8	41.4							
145		42.2	39.8	37.2						
150		40.6	38.4	36.0						
155		39.0	37.0	34.6						
160		37.4	35.6	33.4	34.6					
165			34.4	32.2	33.6					
170			33.0	31.0	32.6					
175			31.8	29.6	31.4	28.0				
180			30.6	28.0	29.6	26.6	25.2			
185				26.2	27.8	25.8	24.4	23.0		
190				25.0	26.6	25.0	23.8	22.4		
195				24.0	25.8	24.2	23.0	21.8		
200					25.0	23.4	22.4	21.2	19.6	
205					24.2	22.8	21.6	20.6	19.2	
210					23.4	22.0	21.0	20.0	18.6	15.2
215					22.6	21.4	20.4	19.4	18.2	15.2
220					21.8	20.6	19.8	18.8	17.6	15.2
225						20.0	19.2	18.2	17.2	15.2
230						19.2	18.6	17.6	16.6	15.0
235						18.6	18.0	17.2	16.2	14.6
240							17.4	16.6	15.6	14.2
245							16.8	16.2	15.2	13.6
250							16.2	15.6	14.6	13.2
255							15.6	15.2	14.2	12.8
260							15.0	14.6	13.8	12.4
265								14.2	13.2	12.0
270								13.6	12.8	11.6
275								13.2	12.4	11.2
280									12.0	10.8
285									11.6	10.6
290									11.2	10.2
295									10.8	9.8
300										9.4
305										9.0
310										8.6



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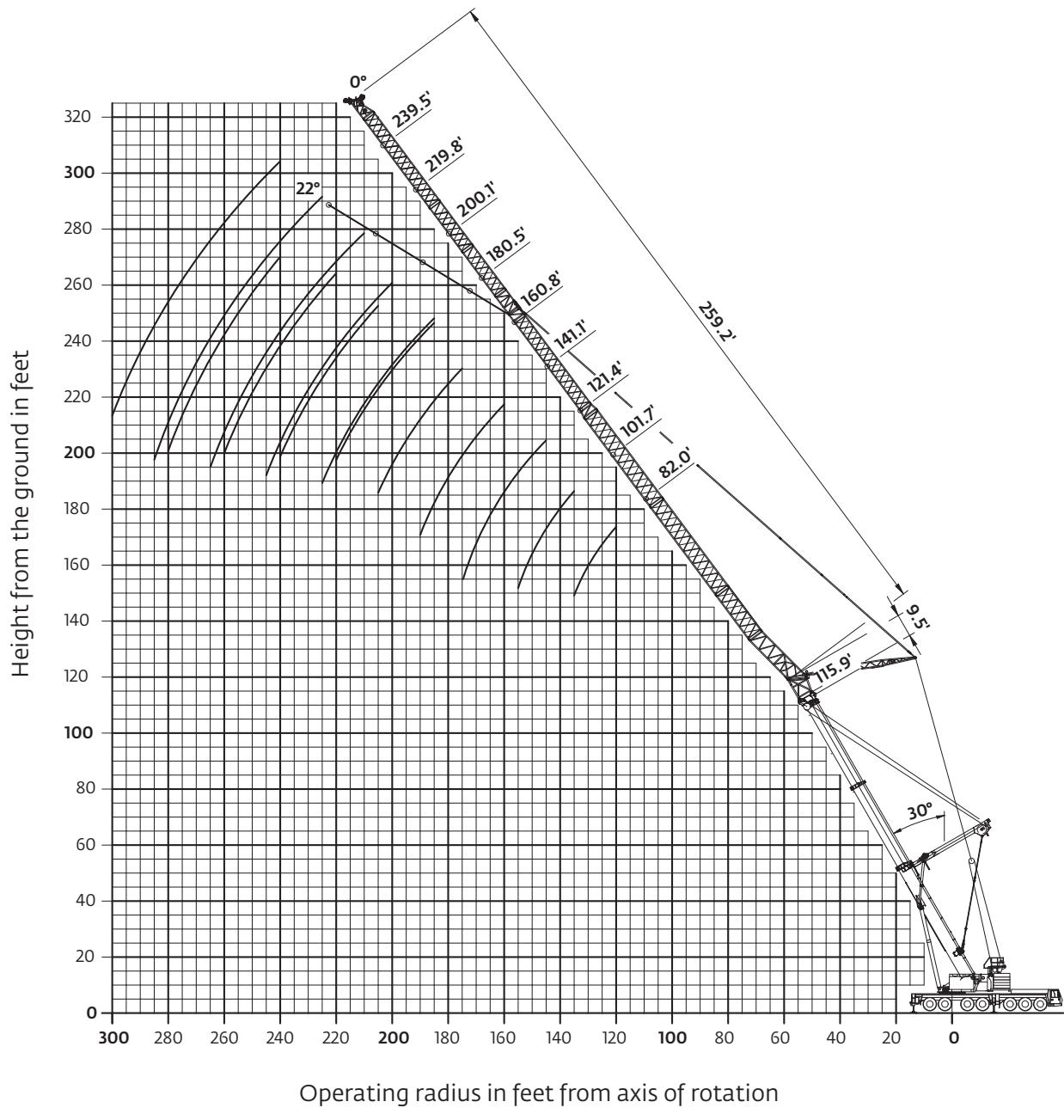
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Working range

Luffing jib with MegaWingLift™

82 ft - 259 ft luffing jib - 60° main boom with MegaWingLift



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

Load charts

Luffing jib with MegaWingLift™

 60°
 35,3 m + 2,9 m
 (115.9 ft + 9.5 ft)

 25 m - 79 m
 (82 ft - 259 ft)

 160 000 kg
 (352,700 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
120	68.0									
125	65.0									
130	62.0									
135	60.0	58.0								
140		56.0								
145		54.0	53.0							
150		52.0	51.0							
155		50.0	49.0							
160			47.0	45.0						
165			45.0	43.6						
170			43.4	42.0						
175			41.6	40.4	39.4					
180				38.8	37.8					
185				37.4	36.4	35.0				
190				36.0	35.0	33.6				
195					33.8	32.4				
200					32.6	31.2	30.2			
205					31.4	30.0	29.0			
210						29.0	28.0	27.2		
215						27.8	27.0	26.2		
220						26.8	26.0	25.4		
225						26.0	25.0	24.4	21.4	
230							24.2	23.6	20.8	
235							23.4	22.6	20.4	
240							22.4	21.8	20.0	15.4
245							21.6	21.0	19.6	15.4
250								20.4	19.2	15.0
255								19.6	18.8	14.6
260								19.0	18.4	14.2
265								18.2	17.8	14.0
270									17.2	13.6
275									16.6	13.4
280									16.0	13.0
285									15.4	12.8
290										12.6
295										12.4
300										12.0

 60°
 45,0 m + 2,9 m
 (147.6 ft + 9.5 ft)

 25 m - 79 m
 (82 ft - 259 ft)

 160 000 kg
 (352,700 lb)

 29 ft 2 in spread
 (100%)

 360°

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
140	52.0									
145	50.0									
150	48.0									
155	46.0	44.0								
160		42.6								
165		40.8	39.6							
170		39.2	38.2							
175		37.6	36.6	35.0						
180			35.2	33.6						
185			34.0	32.4						
190			32.6	31.2						
195			31.4	30.0	29.0					
200				28.8	27.8					
205				27.8	26.8	25.6				
210					25.8	24.8				
215					24.8	23.8				
220					24.0	22.8	22.0			
225					23.0	22.0	21.0			
230						21.2	20.2	19.6		
235						20.4	19.6	18.8		
240						19.6	18.8	18.2	17.2	
245						18.8	18.0	17.4	16.6	
250							17.4	16.8	15.8	14.4
255							16.6	16.2	15.2	14.2
260							16.0	15.4	14.6	13.6
265							15.4	14.8	14.0	13.0
270								14.2	13.4	12.4
275								13.8	12.8	11.8
280								13.2	12.4	11.4
285								12.6	11.8	10.8
290									11.4	10.4
295									10.8	9.8
300									10.4	9.4
305										9.0
310										8.6
315										8.0
320										7.6



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Load charts

Luffing jib with MegaWingLift™

 60°
 25 m - 79 m
 160 000 kg (352,700 lb)
 29 ft 2 in spread (100%)
 360°
 49,8 m + 2,9 m (82 ft - 259 ft)

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
145	47.0									
150	45.0									
155	43.6									
160	41.8	40.4								
165	38.8									
170	37.2									
175	35.6	34.6								
180	34.2	33.2								
185		32.0	30.2							
190		30.8	29.2							
195		29.6	28.0							
200		28.4	27.0	26.4						
205			26.0	25.4						
210			25.0	24.4	22.8					
215			24.0	23.6	22.0					
220			23.0	22.6	21.2					
225				21.8	20.2	19.2				
230				21.0	19.6	18.6				
235				20.2	18.8	17.8				
240				19.4	18.0	17.0	16.2			
245					17.4	16.4				
250					16.6	15.8	15.0	13.8		
255					16.0	15.2	14.4	13.2		
260						14.6	13.8	12.6		
265						14.0	13.2	12.2	10.6	
270						13.4	12.6	11.6	10.6	
275						12.8	12.2	11.0	10.0	
280						12.2	11.6	10.6	9.6	
285						11.0	10.2	9.0	8.6	
290						10.6	9.6	8.6	8.2	
295						10.2	9.2	8.2	8.2	
300							8.8	7.8		
305							8.2	7.2		
310							7.8	6.8		
315								6.4		
320								6.2		
325								5.8		
330								5.4		

 60°
 25 m - 79 m (82 ft - 259 ft)
 160 000 kg (352,700 lb)
 29 ft 2 in spread (100%)
 360°
 54,6 m + 2,9 m (179.2 ft + 9.5 ft)

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
160	39.6									
165	38.0									
170	36.4									
175	34.8	33.4								
180		32.2								
185		31.0	29.0							
190		29.8	27.8							
195		25.8	23.2							
200		24.6	22.4							
205		23.6	21.6							
210			21.0	22.6						
215			20.2	21.8						
220			19.4	20.8						
225			18.8	20.0	18.6					
230				19.4	17.8					
235				18.6	17.0					
240				17.8	16.4	15.4				
245				17.2	15.8	14.6				
250					15.0	14.0	13.2			
255					14.4	13.4	12.6			
260					13.8	12.8	12.0	10.8		
265					13.2	12.4	11.6	10.2		
270						11.8	11.0	9.8	7.8	
275						11.2	10.6	9.2	7.8	
280						10.8	10.0	8.8	7.6	
285						10.2	9.6	8.4	7.2	
290							9.2	8.0	6.8	
295							8.6	7.6	6.4	
300							8.2	7.0	6.0	
305							7.8	6.6	5.6	
310								6.2	5.2	
315								6.0	4.8	
320								5.6	4.6	
325									4.2	
330									3.8	
335									3.6	
340									3.2	



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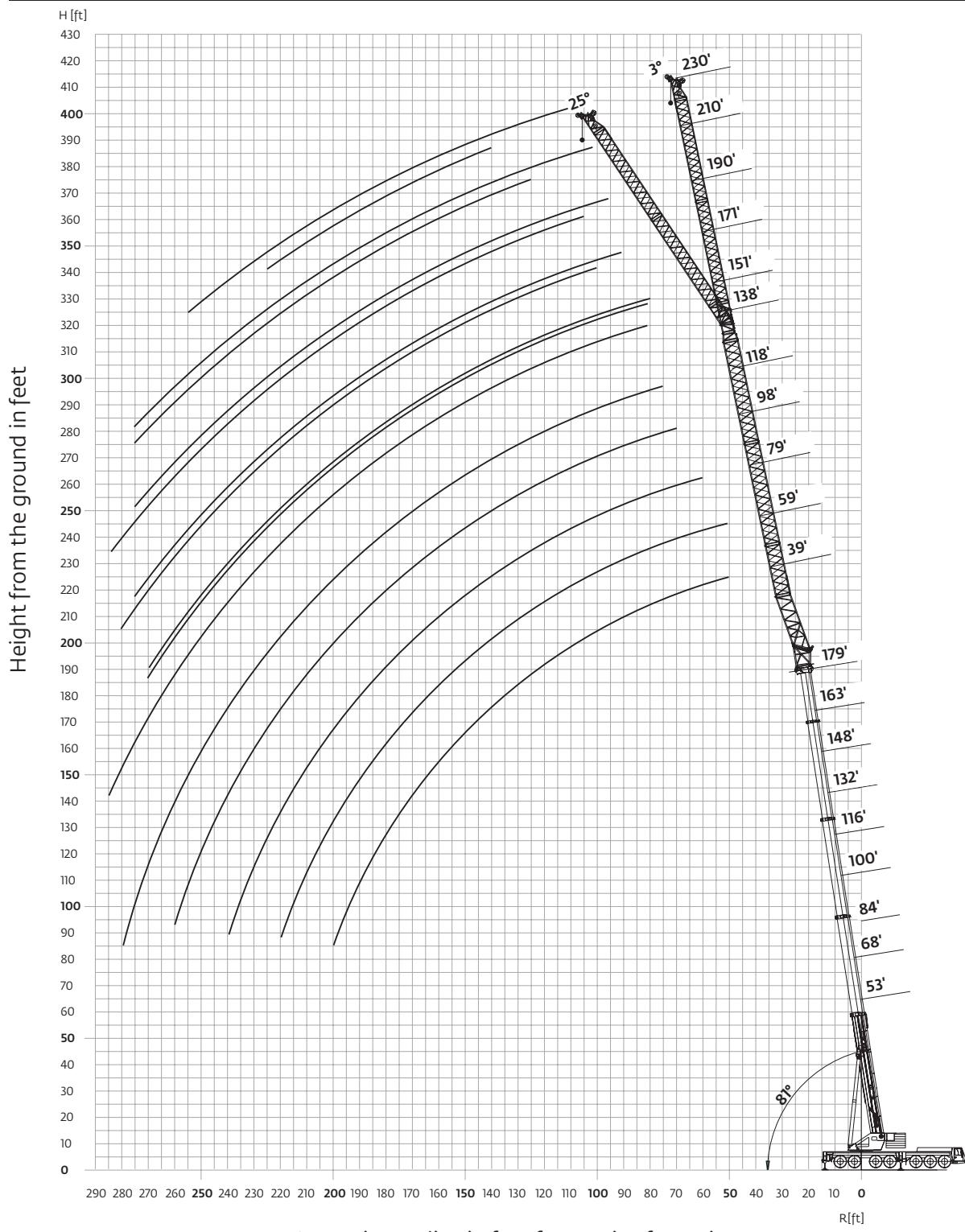
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Working range

Lattice extension

39 ft - 230 ft boom extension



Operating radius in feet from axis of rotation

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



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Load chart

Lattice extension



49.8 m
(163.4 ft)



12 m - 70 m
(39 ft - 230 ft)



120 000 kg
(264,500 lb)



29 ft 2 in spread
(100%)



360°



Pounds (thousands)

Feet	163.4											
Feet	39.4	59.1	78.7	98.4	118.1	137.8	150.9	170.6	190.3	210.0	229.7	
	3°	3°	3°	3°	3°	3°	3° 25°	3° 25°	3° 25°	3° 25°	3° 25°	
45	105.0											
50	100.0	87.0										
55	96.0	83.0	66.0									
60	90.0	80.0	63.0	51.0								
65	85.0	77.0	61.0	49.0								
70	79.0	72.0	58.0	47.0	41.6							
75	74.0	68.0	56.0	45.0	40.0	33.8	28.2					
80	70.0	64.0	53.0	43.6	38.6	32.6	27.0	25.6	23.4			
85	66.0	61.0	51.0	42.0	37.2	31.4	26.0	24.4	22.6			
90	62.0	57.0	50.0	40.4	35.8	29.8	24.8	23.6	21.6	19.0		
95	58.0	54.0	48.0	39.0	34.4	28.4	23.8	22.6	20.8	18.6	15.4	
100	54.0	51.0	46.0	37.8	33.4	26.8	23.0	21.8	19.8	17.8	14.8	
105	52.0	49.0	45.0	36.6	32.2	25.8	22.0	21.0	19.2	17.2	14.2	
110	49.0	46.0	43.0	35.2	31.2	25.0	21.2	20.2	18.4	16.4	13.6	
115	46.0	44.0	41.4	34.0	30.0	24.2	20.4	19.4	17.6	15.8	13.2	
120	43.6	41.8	39.6	32.8	28.8	23.4	19.6	18.8	17.0	15.2	12.8	
125	41.0	39.8	37.8	31.6	27.6	22.4	18.8	18.0	16.2	14.6	12.2	
130	38.6	38.0	36.0	30.4	26.4	21.8	18.2	17.4	15.6	14.2	10.0	
135	36.6	36.0	34.2	29.2	25.2	21.2	17.6	16.8	15.0	13.6	9.0	
140	34.6	34.2	32.6	28.0	24.2	20.4	17.0	16.2	14.4	13.2	8.6	
145	32.6	32.4	30.8	26.8	23.6	19.8	16.4	15.6	14.0	12.6	8.4	
150	30.6	30.6	29.0	25.8	23.0	19.2	15.8	15.2	13.4	12.2	6.4	
155	28.6	29.0	27.4	25.0	22.4	18.6	15.2	14.6	13.0	11.8	5.6	
160	26.6	27.4	25.6	24.0	21.6	18.2	14.8	14.0	12.4	11.4	5.8	
165	25.0	26.0	24.4	23.2	21.0	17.6	14.2	13.6	12.0	11.0	5.4	
170	23.0	24.4	23.4	22.2	20.4	17.2	13.8	13.2	11.6	10.6	5.2	
175	21.2	22.8	22.4	21.2	19.8	16.6	13.4	12.8	11.2	10.2	4.8	
180	19.4	21.2	21.4	20.4	19.2	16.2	12.8	12.4	10.8	9.0	4.6	
185	17.8	19.6	20.2	19.6	18.4	15.8	12.4	12.0	10.4	9.6	4.4	
190	16.4	18.0	19.2	18.6	17.8	15.4	12.0	11.6	10.0	9.2	4.0	
195	16.4	18.2	17.8	17.2	15.0		11.6	11.2	9.6	8.8	3.8	
200	15.0	16.8	17.0	16.6	14.6		11.4	11.0	9.2	8.6	3.6	
205	13.8	15.4	16.0	15.8	14.2		11.0	10.6	9.0	8.2	3.4	
210		14.2	15.2	15.0	13.8		10.6	10.2	8.6	8.0	3.2	
215		12.8	13.8	14.4	13.4		10.2	10.0	8.4	7.8	3.0	
220		11.8	12.6	13.6	12.8		10.0	9.6	8.0	7.4	2.8	
225		10.6	11.6	12.4	12.2		9.6	9.2	7.8	7.2	2.6	
230			10.4	11.4	11.6		9.0	8.8	7.4	7.0	2.4	
235			9.4	10.4	10.6		8.6	8.4	7.2	6.8	2.2	
240				8.4	9.4	9.6	7.6	8.0	6.8	6.4	2.0	
245					8.4	8.6	6.8	7.2	6.6	6.2	1.8	
250					7.4	7.8	5.8	6.2	5.2	4.6	1.6	
255					6.6	7.0	5.0	5.2	5.6	5.8	1.4	
260					5.8	6.0	4.0	4.4	4.8	5.4	1.2	
265						5.2	3.2	3.6	4.0	4.4	1.0	
270						4.4	2.6	2.8	3.2	3.6	0.8	
275						3.8		2.4	3.2	3.4	0.6	
280						3.0			2.4	3.2	0.4	
285										2.6		



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Load chart

Lattice extension

54,6 m
(179.2 ft)

12 m - 70 m
(39 ft - 230 ft)

120 000 kg
(264,500 lb)

29 ft 2 in spread
(100%)

360°

Feet	179.2											
Feet	39.4	59.1	78.7	98.4	118.1	137.8	150.9	170.6	190.3	210.0	229.7	
	3°	3°	3°	3°	3°	3°	25°	25°	25°	3°	25°	25°
45												
50	83.0	78.0										
55	83.0	75.0										
60	80.0	72.0	60.0									
65	76.0	68.0	58.0									
70	72.0	65.0	56.0	47.0								
75	68.0	61.0	54.0	46.0	38.6							
80	65.0	58.0	52.0	44.0	37.4	31.4	25.8	24.6				
85	61.0	55.0	49.0	43.0	36.2	29.8	25.0	23.8				
90	57.0	52.0	47.0	41.6	35.0	28.2	24.2	22.8	20.8			
95	54.0	50.0	45.0	40.2	34.0	27.0	23.2	22.0	20.0	17.2		
100	51.0	47.0	43.4	38.8	32.8	26.2	22.4	21.2	19.4	17.4	16.6	13.8
105	49.0	45.0	41.6	37.4	31.4	25.4	21.6	20.6	18.6	16.8	16.0	14.0
110	46.0	43.0	39.8	35.8	30.2	24.6	20.8	19.8	18.0	16.2	15.6	13.4
115	44.0	41.0	38.0	34.6	28.8	24.0	20.2	19.2	17.2	15.6	15.0	13.0
120	41.8	39.2	36.4	33.2	27.6	23.2	19.4	18.6	16.6	15.0	14.4	12.4
125	39.8	37.2	35.0	31.8	26.6	22.6	18.8	18.0	16.0	14.6	14.0	12.0
130	37.8	35.4	33.6	30.6	25.8	21.8	18.2	17.4	15.4	14.0	13.4	11.6
135	35.8	33.6	32.2	29.2	25.0	21.2	17.6	16.8	15.0	13.6	13.0	11.2
140	34.0	31.8	30.6	27.8	24.2	20.6	17.0	16.2	14.4	13.0	12.4	10.8
145	32.0	30.0	29.2	26.6	23.4	20.0	16.4	15.6	14.0	12.6	12.0	10.4
150	30.4	28.2	28.0	25.2	22.6	19.4	16.0	15.2	13.4	12.2	11.4	10.0
155	28.8	26.4	26.6	23.8	21.8	18.8	15.4	14.8	13.0	11.8	11.0	9.6
160	27.2	25.0	25.2	22.6	21.0	18.2	14.8	14.2	12.4	11.4	10.6	9.2
165	25.6	24.0	23.8	21.6	20.2	17.6	14.4	13.8	12.0	11.0	10.2	9.0
170	24.0	22.8	22.4	20.8	19.4	17.2	13.8	13.4	11.6	10.6	9.8	8.6
175	22.2	21.8	21.2	20.0	18.6	16.6	13.4	13.0	11.2	10.2	9.6	8.2
180	21.0	20.8	20.4	19.2	17.8	16.0	13.0	12.6	10.8	10.0	9.2	8.0
185	19.2	19.6	19.4	18.4	17.2	15.4	12.6	12.2	10.4	9.6	8.8	7.6
190	17.6	18.6	18.6	17.4	16.6	14.8	12.0	11.8	10.2	9.4	8.4	7.4
195	16.2	17.2	17.6	16.6	15.8	14.4	11.6	11.4	9.8	9.0	8.2	7.2
200	14.8	15.8	16.8	16.0	15.2	13.8	11.2	11.0	9.4	8.8	7.8	6.8
205	14.4	15.8	15.8	15.2	14.6	13.2	10.6	10.6	9.2	8.4	7.6	6.6
210	13.2	14.6	14.6	13.8	12.8	10.2	10.2	8.8	8.2	7.4	6.4	5.6
215	12.0	13.4	13.8	13.2	12.2	9.8	9.8	8.4	7.8	7.0	6.2	5.4
220	10.8	12.2	13.0	12.8	11.6	9.2	9.2	8.2	7.6	6.8	6.0	5.2
225	11.2	12.0	12.2	11.2	8.8	8.8	7.8	7.4	6.6	5.8	5.0	4.0
230	10.0	10.8	11.6	10.6	8.4	8.4	7.4	7.0	6.2	5.4	4.8	3.8
235	9.0	9.8	10.6	10.2	7.8	8.0	7.0	6.8	6.0	5.2	4.6	3.6
240	8.2	8.8	9.6	9.6	7.4	7.6	6.6	6.4	5.6	5.0	4.2	3.4
245	7.8	8.6	8.8	6.8	6.8	7.2	6.2	6.2	5.4	4.8	4.0	3.2
250	7.0	7.8	7.8	5.8	6.2	5.8	5.8	5.0	4.6	3.8	3.2	2.6
255	6.0	6.8	7.0	5.0	5.4	5.4	5.6	4.8	4.6	3.6	3.0	2.4
260	5.2	6.0	6.2	4.2	4.4	4.8	5.2	4.4	4.4	3.2	2.8	
265	5.2	5.4	3.4	3.6	4.0	4.8	4.0	4.2	3.0	2.6		
270	4.4	4.6	2.6	2.8	3.2	4.0	3.6	3.8	2.8	2.6		
275	3.8	3.8			2.4	3.2	2.8	3.6	2.6	2.4		
280	3.0	3.2				2.4		3.2				
285					2.4			2.6				



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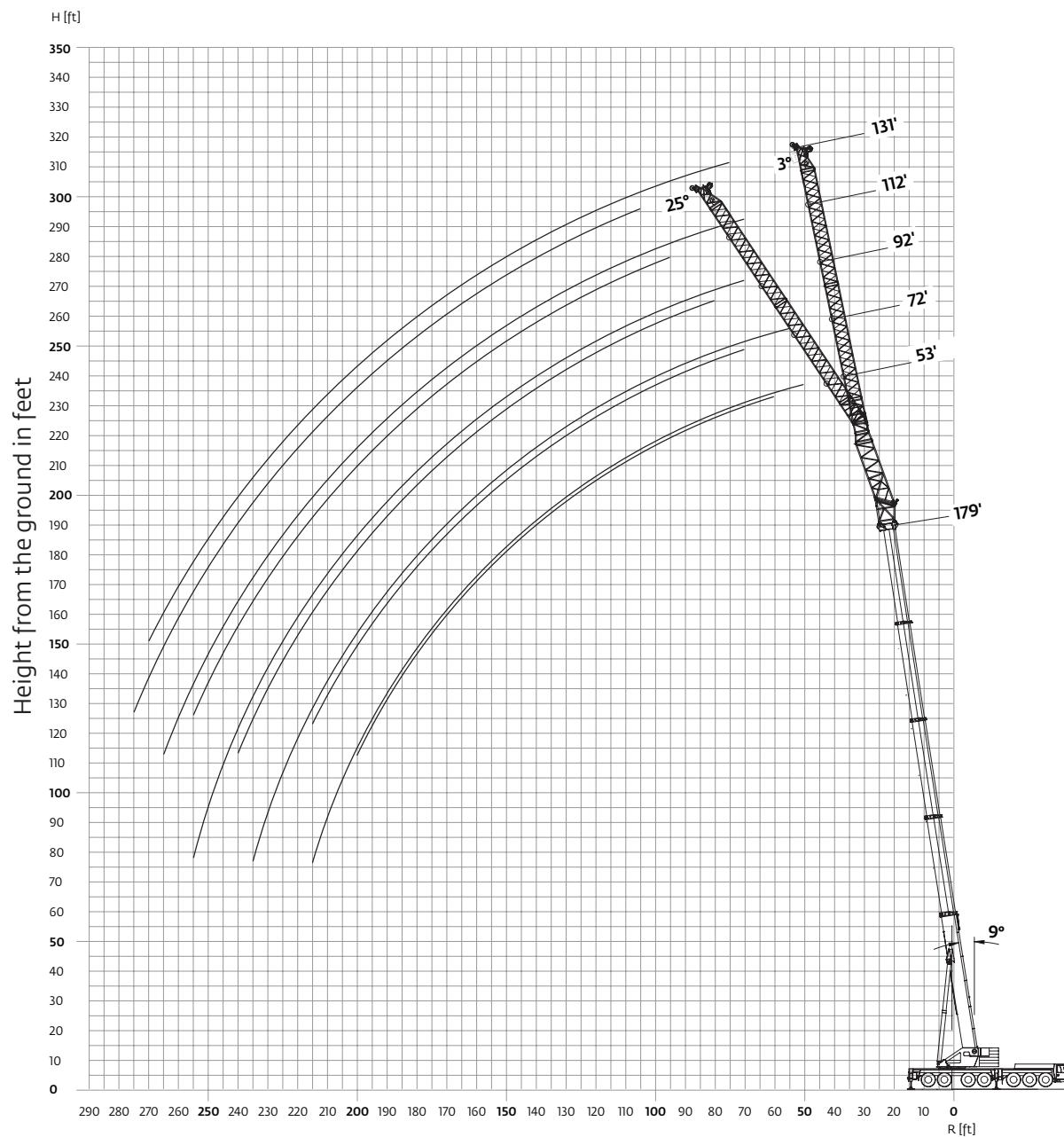
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Working range

Lattice extension

53 ft - 131 ft boom extension



Load chart

Lattice extension

 49,8 m
(163.4 ft)

 16 m - 60 m
(53 ft - 131 ft)

 120 000 kg
(264,500 lb)

 29 ft 2 in spread
(100%)

 360°

Feet	Pounds (thousands)											
	52.5		72.2		91.9		111.6		131.2			
	3°	25°	3°	25°	3°	25°	3°	25°	3°	25°	3°	25°
45	97.0											
50	94.0		74.0									
55	88.0	79.0	71.0									
60	82.0	77.0	69.0		54.0							
65	78.0	74.0	66.0		52.0							
70	73.0	71.0	63.0	51.0	50.0							
75	69.0	67.0	61.0	49.0	48.0							
80	65.0	64.0	58.0	48.0	47.0	36.4						
85	61.0	60.0	55.0	46.0	45.0	35.4						
90	57.0	57.0	53.0	45.0	43.4	34.4						
95	54.0	53.0	50.0	43.8	42.0	33.4						
100	51.0	51.0	48.0	42.8	40.6	32.6						
105	48.0	48.0	45.0	41.6	39.2	31.6						
110	46.0	46.0	43.4	40.4	38.0	30.6						
115	43.2	43.4	41.4	39.0	36.6	29.4						
120	41.2	41.2	39.4	37.8	35.4	28.2						
125	39.0	39.2	37.4	36.4	34.2	27.0						
130	37.0	37.2	35.4	35.2	33.0	26.6						
135	35.0	35.2	33.4	33.6	31.8	26.0						
140	32.8	33.4	31.6	31.8	30.6	25.4						
145	31.2	31.4	29.6	30.0	29.2	24.8						
150	29.4	29.8	27.8	28.2	27.6	24.2						
155	27.8	28.0	26.0	26.4	26.2	23.6						
160	26.0	26.4	24.4	25.0	24.8	23.0						
165	24.4	24.8	23.4	23.8	23.2	22.4						
170	22.6	23.2	22.2	22.8	21.8	21.8						
175	20.6	21.2	21.2	21.6	20.8	21.2						
180	18.8	19.4	20.0	20.4	19.8	20.4						
185	17.2	17.6	19.0	19.4	19.0	19.6						
190	15.6	16.0	17.4	18.2	18.0	18.6						
195	14.0		15.8	17.0	17.0	17.6						
200	12.6		14.4	15.4	16.0	16.8						
205			13.0		14.6	15.8						
210			11.8		13.2	15.0						
215			10.6		12.0	13.6						
220			9.4		10.8	12.2						
225					9.8							
230					8.8							
235					7.8							
240					6.8							
245												
250												
255												
260												
265												
270												



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Load chart

Lattice extension

54.6 m
(179.2 ft)16 m - 40 m
(53 ft - 131 ft)120 000 kg
(264,500 lb)29 ft 2 in spread
(100%)

360°



Pounds (thousands)

Feet	179.2											
	52.5		72.2		91.9		111.6		131.2			
	3°	25°	3°	25°	3°	25°	3°	25°	3°	25°	3°	25°
45												
50	81.0											
55	77.0		67.0									
60	73.0	71.0	65.0									
65	70.0	67.0	61.0									
70	66.0	64.0	58.0	50.0	49.0							
75	63.0	61.0	55.0	48.0	47.0							
80	59.0	57.0	53.0	47.0	46.0	36.0						
85	56.0	54.0	50.0	46.0	44.0	35.0						
90	53.0	52.0	48.0	44.0	42.6	34.2						
95	50.0	49.0	46.0	43.0	41.2	33.2						
100	47.0	47.0	43.6	41.6	39.6	32.4						
105	45.0	45.0	41.6	40.0	38.0	31.6						
110	43.0	42.6	39.6	38.4	36.4	30.8						
115	40.8	40.6	38.0	36.8	34.8	30.0						
120	38.8	38.6	36.4	35.2	33.2	29.0						
125	36.6	36.8	34.8	33.4	31.8	28.0						
130	34.6	34.8	33.0	31.6	30.2	27.0						
135	32.8	32.8	31.4	29.8	28.6	26.0						
140	30.8	31.0	29.8	28.2	27.2	25.2						
145	28.8	29.0	28.4	27.0	25.6	24.4						
150	27.0	27.2	26.8	25.8	24.4	23.6						
155	25.2	25.4	25.4	24.8	23.4	23.0						
160	24.0	24.2	23.8	23.6	22.4	22.2						
165	22.8	23.2	22.4	22.6	21.4	21.4						
170	21.8	22.0	21.2	21.6	20.6	20.6						
175	20.6	20.8	20.2	20.6	19.6	19.8						
180	19.4	19.6	19.2	19.6	18.6	18.8						
185	18.0	18.4	18.2	18.6	17.8	18.0						
190	16.4	17.0	17.4	17.8	17.0	17.4						
195	15.0	15.4	16.4	16.8	16.2	16.6						
200	13.6	14.0	15.0	15.8	15.4	15.8						
205	12.2		13.8	15.0	14.6	15.0						
210	11.0		12.4	13.6	13.8	14.4						
215	9.8		11.2	12.2	12.8	13.6						
220			10.0		11.6	12.8						
225			9.0		10.4	11.8						
230			7.8		9.4	10.6						
235			6.8		8.4	9.4						
240					7.4	8.2						
245					6.4							
250					5.4							
255					4.6							
260												
265												
270												
275												



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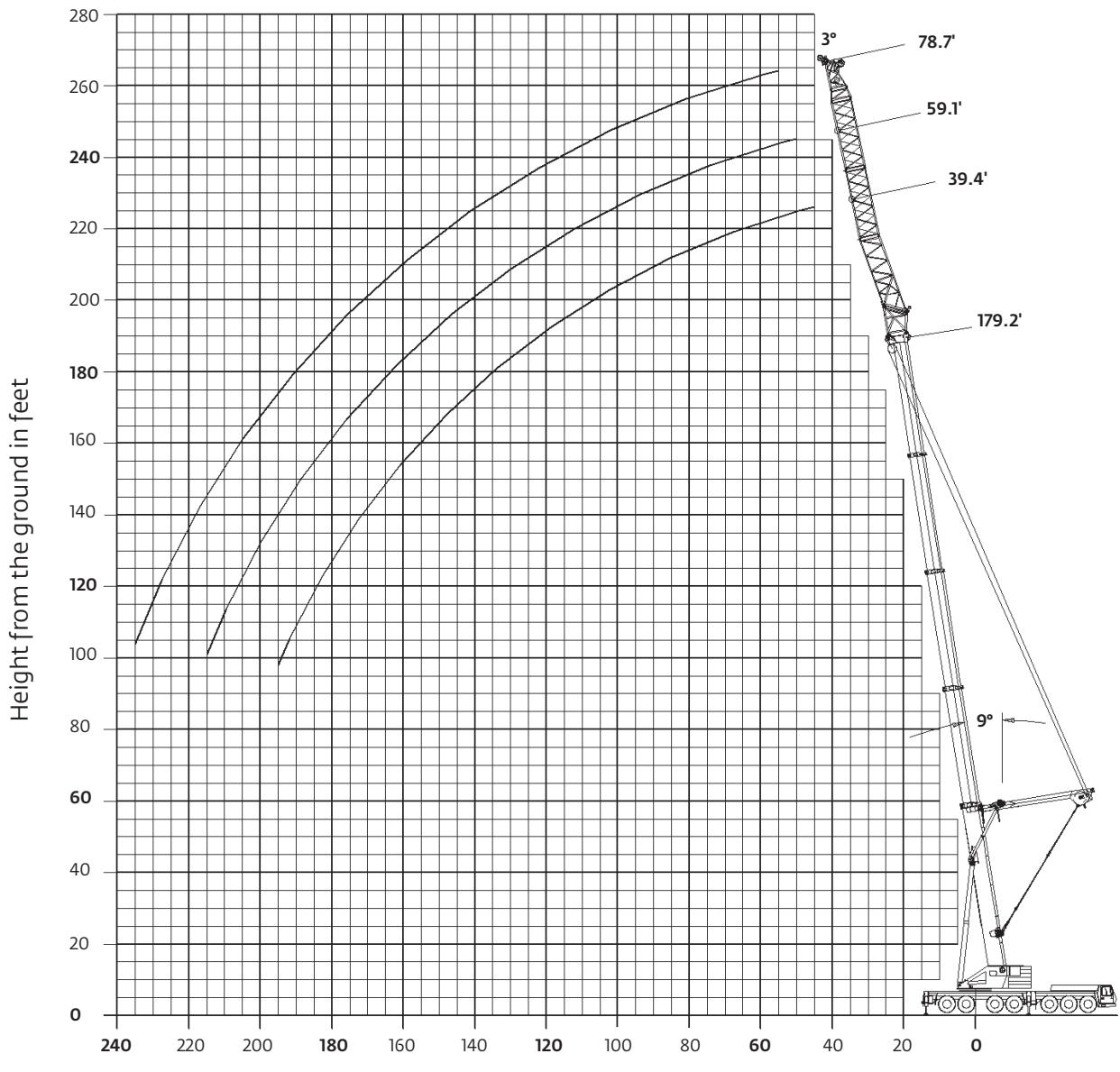
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Working range

Lattice extension with MegaWingLift™

39 ft - 79 ft lattice extension with MegaWingLift



Operating radius in feet from axis of rotation

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



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Load chart

Lattice extension with MegaWingLift™

49,8 m - 54,6 m
(163.4 ft - 179.2 ft)

12 m - 24 m
(39 ft - 79 ft)

160 000 kg
(352,700 lb)

29 ft 2 in spread
(100%)

360°

			Pounds (thousands)
Feet	39.4	163.4	179.2
Feet	59.1	78.7	78.7
	3°	3°	3°
40	114.0		
45	107.0	86.0	100.0
50	100.0	81.0	94.0
55	95.0	77.0	88.0
60	90.0	73.0	83.0
65	85.0	69.0	79.0
70	81.0	65.0	75.0
75	77.0	62.0	71.0
80	73.0	59.0	68.0
85	69.0	56.0	65.0
90	67.0	53.0	62.0
95	64.0	51.0	59.0
100	62.0	49.0	56.0
105	59.0	47.0	54.0
110	57.0	45.0	52.0
115	55.0	43.4	49.0
120	53.0	41.8	47.0
125	51.0	40.2	46.0
130	49.0	39.0	44.0
135	47.0	37.8	43.0
140	46.0	36.6	41.6
145	45.0	35.4	40.2
150	43.4	34.2	38.8
155	40.8	33.2	37.8
160	38.2	32.4	36.8
165	35.6	31.4	35.8
170	33.4	30.6	34.4
175	31.2	29.8	32.2
180	29.2	28.8	30.2
185		28.0	28.2
190		27.0	26.4
195		25.4	24.6
200		23.6	20.2
205			19.8
210			19.4
215			19.0
220			18.4
225			
230			
235			16.0



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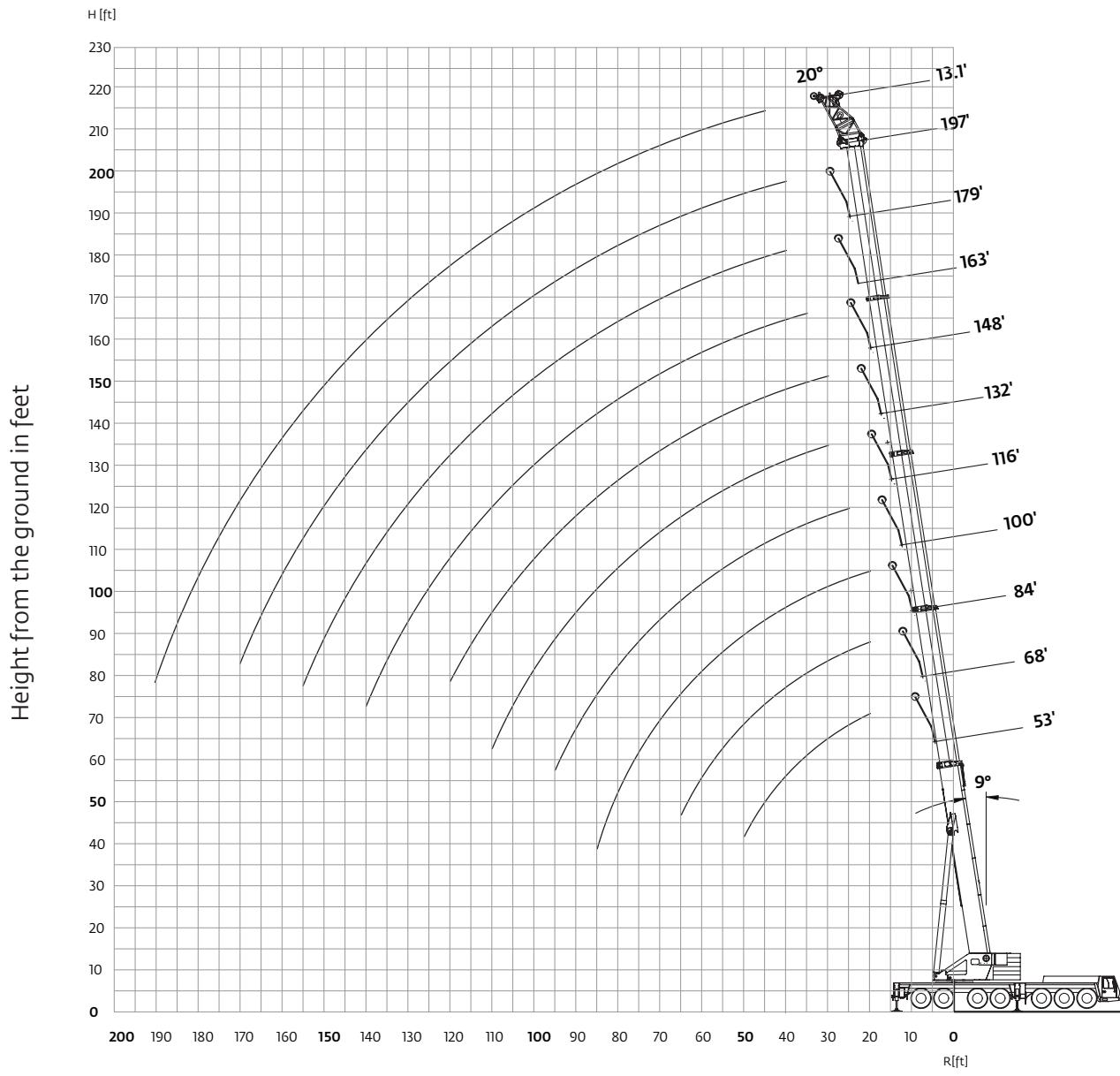
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Working range

Heavy duty jib

13 ft heavy duty jib



Operating radius in feet from axis of rotation

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



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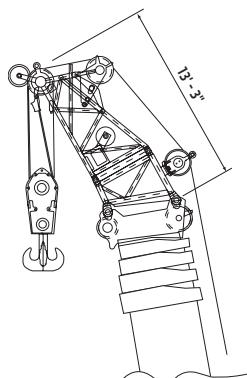
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Load chart

Heavy duty jib

	16,0 m - 60 m (53 ft - 197 ft)		4 m (13.1 ft)		120 000 kg (264,500 lb)		29 ft 2 in spread (100%)		360°	
	Pounds (thousands)									
Feet	52.6	68.4	84.3	100.1	115.9	131.7	147.6	163.4	179.2	196.9
20	190.0	190.0	190.0							
25	190.0	190.0	190.0	190.0						
30	190.0	190.0	190.0	190.0	190.0	190.0				
35	190.0	190.0	190.0	190.0	190.0	182.0	166.0			
40	190.0	190.0	190.0	190.0	181.0	167.0	153.0	138.0	120.0	
45	190.0	190.0	190.0	185.0	164.0	151.0	140.0	129.0	116.0	104.0
50	190.0	190.0	187.0	170.0	151.0	140.0	130.0	121.0	109.0	99.0
55		171.0	169.0	156.0	138.0	129.0	120.0	113.0	102.0	94.0
60		154.0	151.0	143.0	128.0	118.0	110.0	105.0	96.0	89.0
65		138.0	135.0	132.0	119.0	109.0	102.0	98.0	91.0	84.0
70			120.0	121.0	110.0	102.0	95.0	91.0	85.0	79.0
75			107.0	108.0	103.0	95.0	88.0	85.0	80.0	74.0
80			96.0	97.0	97.0	88.0	82.0	79.0	75.0	71.0
85			86.0	88.0	88.0	83.0	77.0	74.0	71.0	67.0
90				79.0	80.0	78.0	73.0	70.0	67.0	63.0
95					72.0	73.0	74.0	68.0	66.0	63.0
100						66.0	68.0	64.0	62.0	60.0
105						60.0	62.0	61.0	58.0	57.0
110						55.0	57.0	58.0	55.0	54.0
115							52.0	54.0	52.0	51.0
120							48.0	50.0	49.0	48.0
125								46.0	47.0	45.0
130								42.2	45.0	43.4
135								39.0	41.2	41.4
140								36.0	38.2	39.4
145									35.4	37.4
150									32.8	34.8
155									30.4	32.4
160									30.2	29.2
165									28.0	27.4
170									26.2	25.6
175										24.4
180										22.6
185										21.0
190										19.4



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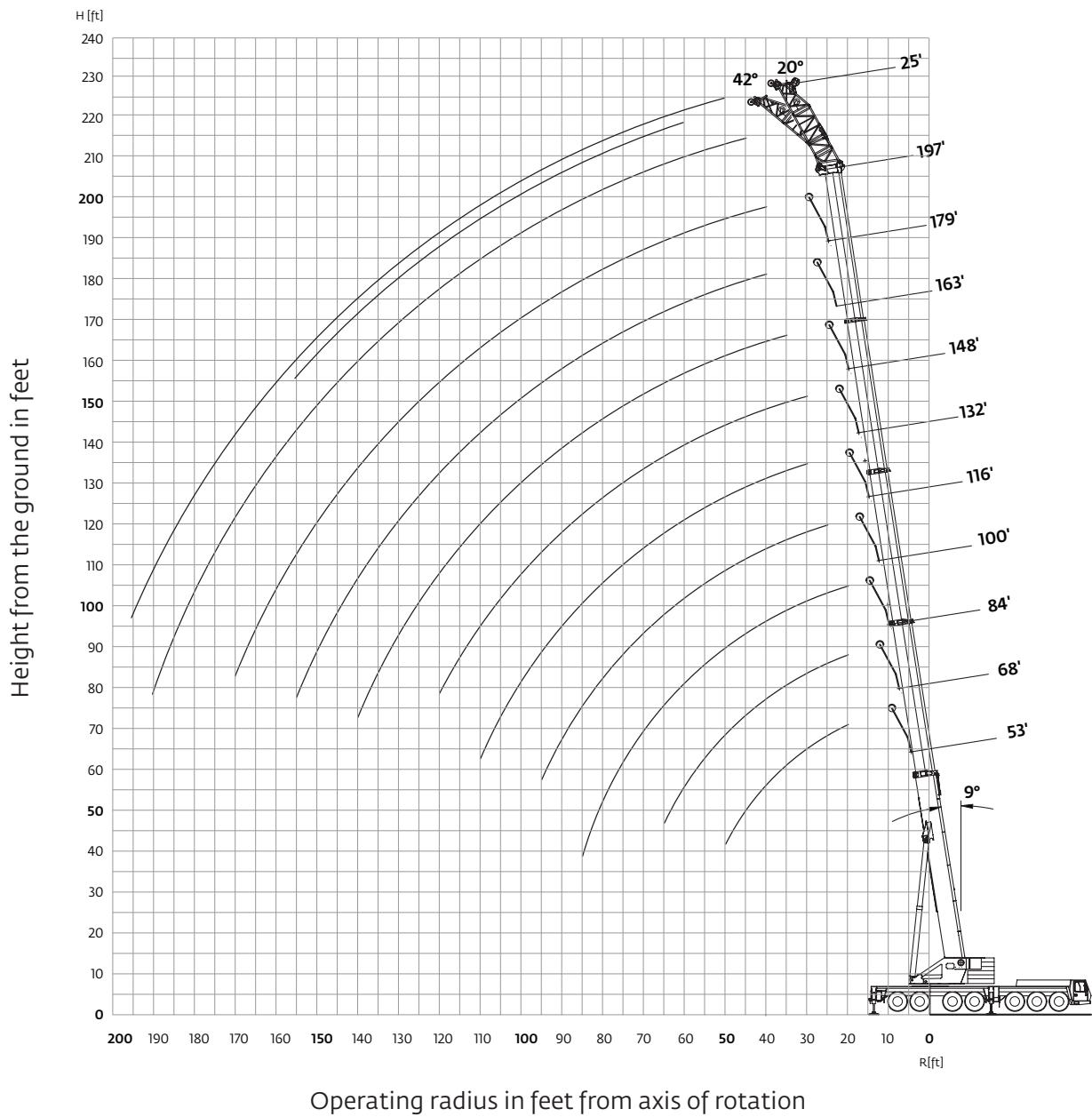
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Working range

Heavy duty jib

25 ft heavy duty jib



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

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



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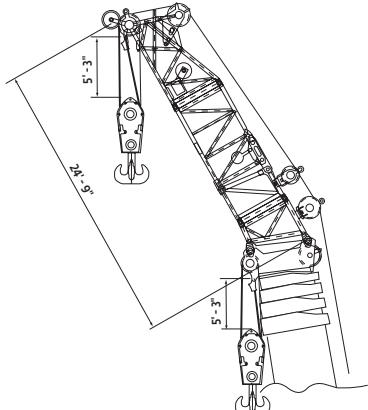
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Load chart

Heavy duty jib

16,0 m - 60 m
 7,5 m
 120 000 kg
 29 ft 2 in spread
 360°

Feet	52.6		68.4		84.3		100.1		115.9		131.7		147.6		163.4		179.2		196.9								
	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°							
20	118.0		122.0																								
25	107.0	94.0	113.0	97.0	117.0																						
30	100.0	89.0	106.0	93.0	110.0	95.0	114.0	96.0	115.0																		
35	93.0	85.0	100.0	89.0	104.0	91.0	108.0	93.0	110.0	94.0	111.0																
40	88.0	81.0	94.0	85.0	99.0	88.0	103.0	90.0	105.0	91.0	107.0	92.0	106.0	92.0	104.0												
45	84.0	79.0	89.0	83.0	95.0	85.0	99.0	88.0	101.0	89.0	103.0	90.0	103.0	90.0	101.0		97.0										
50	79.0	77.0	85.0	80.0	91.0	83.0	95.0	85.0	98.0	87.0	100.0	88.0	100.0	87.0	99.0	87.0	95.0	84.0	88.0								
55	76.0		82.0	78.0	87.0	81.0	91.0	83.0	94.0	85.0	96.0	86.0	97.0	86.0	95.0	85.0	91.0	83.0	84.0								
60	75.0		79.0	77.0	83.0	79.0	88.0	81.0	91.0	83.0	93.0	84.0	94.0	84.0	91.0	83.0	87.0	82.0	80.0	78.0							
65	74.0		76.0	76.0	81.0	78.0	85.0	80.0	88.0	81.0	91.0	82.0	92.0	83.0	87.0	82.0	83.0	80.0	76.0	75.0							
70			75.0		79.0	77.0	82.0	78.0	86.0	80.0	88.0	81.0	87.0	80.0	83.0	80.0	78.0	76.0	72.0	72.0							
75			75.0		76.0	76.0	80.0	78.0	83.0	79.0	85.0	80.0	82.0	78.0	79.0	78.0	73.0	72.0	68.0	68.0							
80					74.0		78.0	77.0	80.0	77.0	81.0	77.0	78.0	75.0	75.0	74.0	69.0	69.0	65.0	65.0							
85							74.0		76.0	76.0	78.0	75.0	77.0	74.0	73.0	73.0	70.0	70.0	66.0	65.0							
90									74.0	76.0	75.0	73.0	73.0	72.0	69.0	69.0	66.0	66.0	62.0	62.0							
95											73.0	72.0	71.0	69.0	69.0	65.0	65.0	62.0	63.0	58.0	58.0						
100												68.0	68.0	65.0	66.0	61.0	61.0	59.0	60.0	55.0	55.0						
105												62.0	62.0	62.0	57.0	57.0	56.0	56.0	53.0	53.0	49.0	49.0					
110												56.0	57.0	58.0	59.0	53.0	54.0	52.0	53.0	50.0	50.0						
115												52.0	54.0	54.0	51.0	51.0	49.0	50.0	48.0	48.0	44.0	45.0					
120													48.0	49.0	48.0	49.0	47.0	47.0	45.0	45.0	42.0	42.4					
125														45.0	46.0	44.0	45.0	42.8	43.0	40.0	40.4						
130															41.4	42.8	42.2	42.4	40.4	40.8	38.2	38.6					
135															38.0	39.4	40.2	40.2	38.4	39.0	36.2	36.6					
140																36.4	38.0	36.4	37.2	34.4	34.8						
145																33.4	35.4	34.4	34.4	32.6	32.8						
150																	30.6	32.8	32.4	30.8	31.0						
155																		30.2	30.4	29.2	29.4						
160																		27.8	28.4	27.6							
165																			27.0		26.2						
170																				25.2	24.6						
175																				23.4	23.0						
180																				21.6	21.4						
185																					19.8						
190																					18.2						
195																					16.8						



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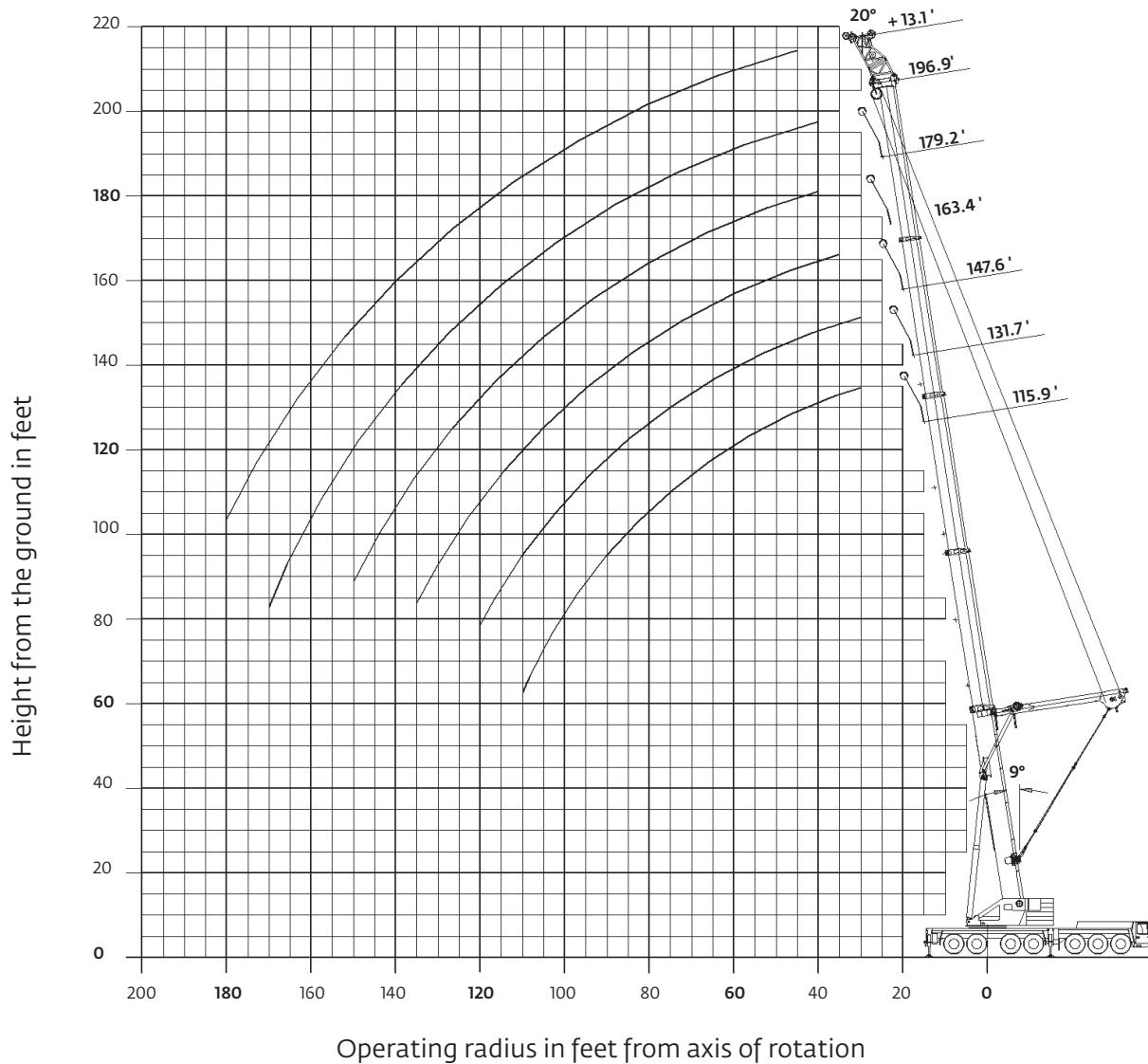
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Working range

Heavy duty jib with MegaWingLift™

13 ft heavy duty jib with MegaWingLift



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

Load chart

Heavy duty jib with MegaWingLift™

	35,3 m - 60 m (116 ft - 197 ft)		4 m (13.1 ft)		160 000 kg (352,700 lb)		29 ft 2 in spread (100%)		360°
Pounds (thousands)									
Feet	115.9	131.7	147.6	163.4	179.2	196.9			
30	190.0	190.0							
35	190.0	190.0	190.0						
40	190.0	190.0	190.0	171.0	148.0				
45	190.0	190.0	190.0	162.0	139.0	128.0			
50	187.0	186.0	188.0	154.0	132.0	121.0			
55	173.0	175.0	175.0	146.0	125.0	115.0			
60	157.0	159.0	165.0	140.0	119.0	109.0			
65	143.0	145.0	155.0	134.0	113.0	104.0			
70	131.0	133.0	145.0	128.0	108.0	99.0			
75	120.0	123.0	134.0	122.0	103.0	95.0			
80	110.0	113.0	123.0	115.0	99.0	91.0			
85	102.0	104.0	113.0	106.0	95.0	88.0			
90	94.0	97.0	104.0	99.0	91.0	84.0			
95	88.0	90.0	97.0	92.0	87.0	81.0			
100	81.0	84.0	90.0	86.0	84.0	78.0			
105	76.0	78.0	84.0	80.0	81.0	76.0			
110	69.0	73.0	78.0	75.0	76.0	73.0			
115		68.0	73.0	70.0	72.0	70.0			
120		63.0	68.0	66.0	67.0	68.0			
125			59.0	61.0	63.0	63.0			
130			55.0	57.0	59.0	59.0			
135			51.0	54.0	55.0	56.0			
140				50.0	52.0	52.0			
145				47.0	49.0	49.0			
150				44.0	46.0	46.0			
155					43.0	43.2			
160					40.6	40.6			
165					38.2	38.2			
170					35.2	36.0			
175						33.8			
180						31.8			



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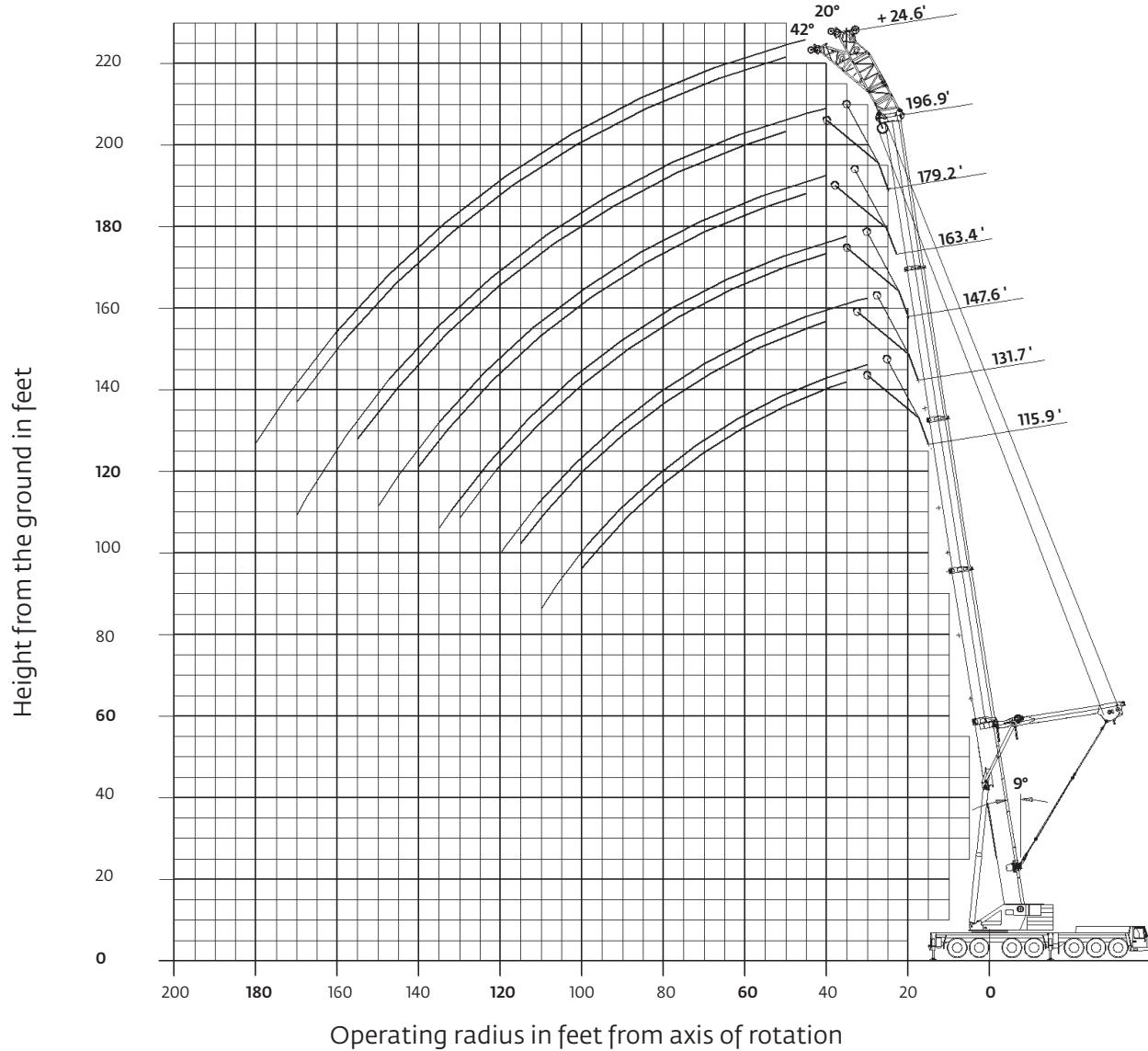
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Working range

Heavy duty jib with MegaWingLift™

25 ft heavy duty jib with MegaWingLift



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

Load chart

Heavy duty jib with MegaWingLift™







Feet	115.9		131.7		147.6		163.4		179.2		196.9	
	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°
30	148.0		147.0									
35	140.0	114.0	140.0		138.0							
40	133.0	110.0	132.0	109.0	131.0	107.0	123.0		113.0			
45	126.0	106.0	126.0	105.0	125.0	104.0	117.0	100.0	108.0			
50	120.0	102.0	120.0	101.0	119.0	100.0	111.0	96.0	102.0	90.0	95.0	84.0
55	115.0	99.0	115.0	98.0	114.0	97.0	106.0	93.0	97.0	87.0	91.0	81.0
60	110.0	96.0	110.0	95.0	110.0	94.0	101.0	89.0	93.0	83.0	86.0	78.0
65	106.0	93.0	106.0	93.0	105.0	91.0	97.0	86.0	89.0	80.0	83.0	75.0
70	102.0	91.0	102.0	90.0	101.0	89.0	94.0	84.0	85.0	77.0	79.0	72.0
75	98.0	88.0	98.0	88.0	97.0	86.0	90.0	81.0	81.0	74.0	75.0	69.0
80	95.0	86.0	95.0	86.0	94.0	84.0	86.0	78.0	78.0	72.0	72.0	67.0
85	92.0	84.0	92.0	84.0	91.0	82.0	84.0	76.0	75.0	69.0	70.0	65.0
90	89.0	83.0	89.0	82.0	88.0	80.0	81.0	74.0	72.0	67.0	67.0	63.0
95	86.0	81.0	86.0	80.0	86.0	78.0	78.0	72.0	69.0	65.0	65.0	61.0
100	82.0	80.0	84.0	78.0	83.0	76.0	75.0	70.0	67.0	63.0	62.0	59.0
105	77.0		79.0	77.0	79.0	75.0	73.0	68.0	65.0	62.0	60.0	57.0
110	71.0		74.0	74.0	74.0	74.0	71.0	67.0	62.0	60.0	58.0	55.0
115	66.0		68.0	69.0	69.0	70.0	69.0	66.0	60.0	58.0	56.0	54.0
120	61.0		64.0		64.0	65.0	66.0	64.0	58.0	56.0	54.0	52.0
125			59.0		59.0	60.0	61.0	62.0	57.0	55.0	52.0	50.0
130			55.0		55.0	56.0	57.0	58.0	55.0	53.0	51.0	49.0
135			51.0		52.0		53.0	54.0	53.0	52.0	49.0	48.0
140					48.0		50.0	51.0	51.0	50.0	48.0	47.0
145					45.0		47.0		48.0	49.0	47.0	46.0
150					41.8		43.6		45.0	46.0	45.0	45.0
155							40.8		42.4	43.0	42.6	43.0
160							38.0		39.8		40.0	40.4
165									37.2		37.4	37.8
170									35.0		35.0	35.4
175										32.8		32.8
180											30.8	
185											28.8	
190											27.0	
195												25.2



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Counterweight



Grade



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Heavy duty jib



Radius



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Electrical system



Hoist



Rotation



Boom extension



Engine



Hookblock



Speed



Boom length



Extension



Hydraulic system



Steering



Boom nose



Frame



Lights



Suspension



Brakes



Fuel tank capacity



Oil



Swing



Cab



Outriggers



Outrigger controls



Tires



Transmission