



Grove Manitowoc National Crane Potain



Grove GMK7550

Product Guide



Features

- 450 t (550 USt) capacity
- 60 m (197 ft) five-section boom
- 25 m - 79 m (82 ft - 259 ft) lattice luffing jib
- 120 t (264,500 lb) counterweight with hydraulic installation/removal system



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 GMK7550 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.

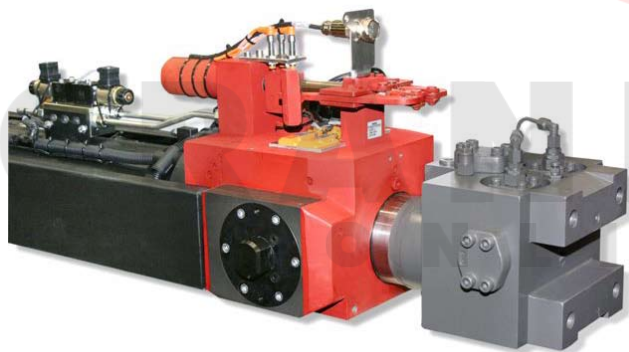
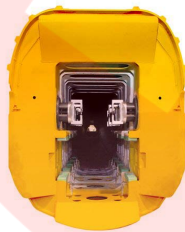
Other benefits of the MEGATRAK™ system are:

- A reliable suspension system
- 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



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.





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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 10).



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 (off highway).



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	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 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.



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 (off-highway).



Fuel tank capacity

500 L (132 gal).



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



Specifications

Carrier continued

Axles

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 hydroneumatic 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, 16.00 R25.

Steering

Dual circuit steering system is hydraulic power assisted with emergency steering pump. Axles 1, 2, 3, 6 and 7 steer 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

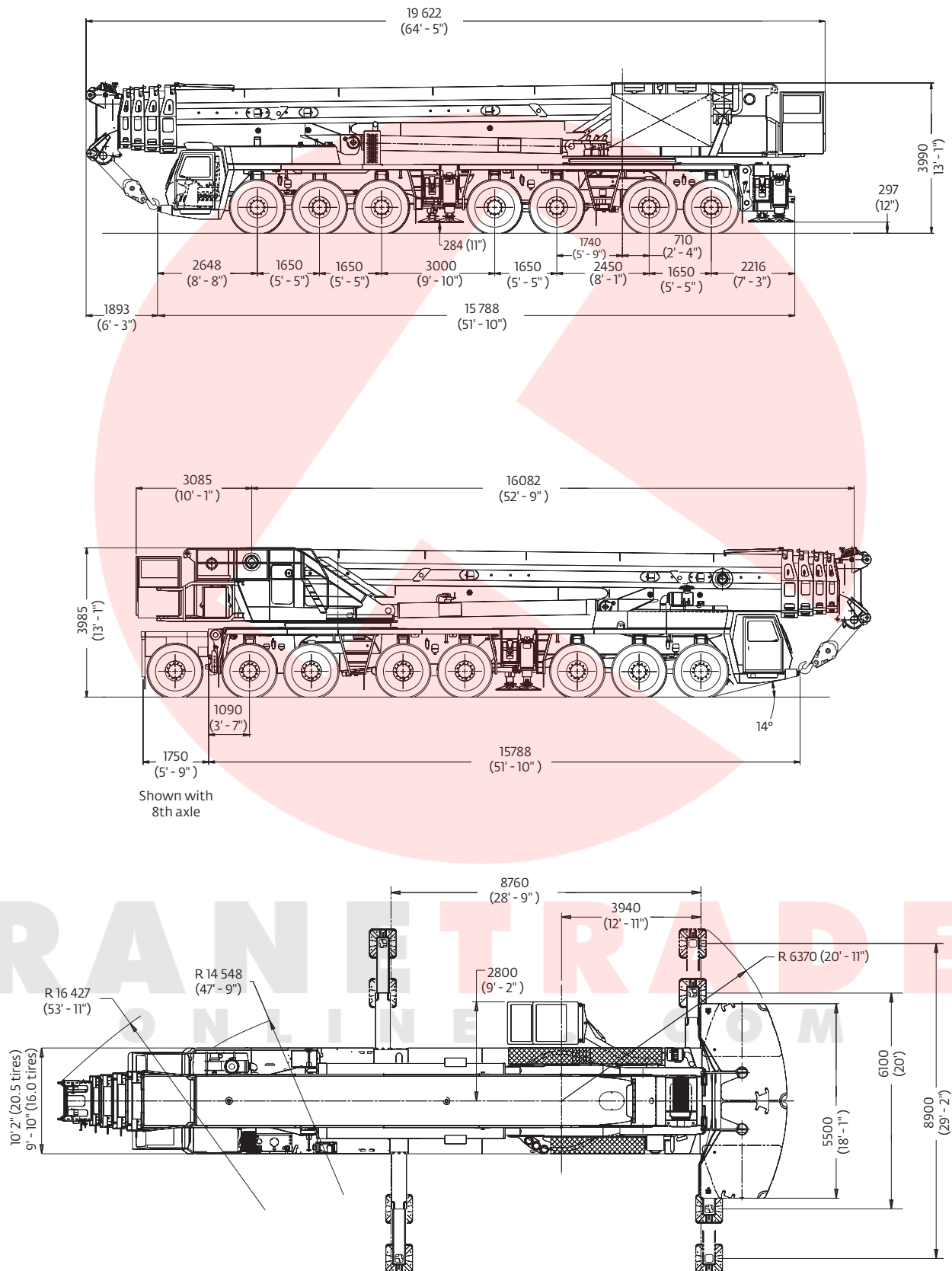
Boom removal kit; trailing boom kit (less dolly), additional hydraulic oil cooler; removable rear outrigger box; tool kit; fire extinguisher; radio/cd player in carrier cab.

*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, 14.00 R25 (385/95 R25)
- ▶ 14 tires, 20.5 R25 (525/80 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

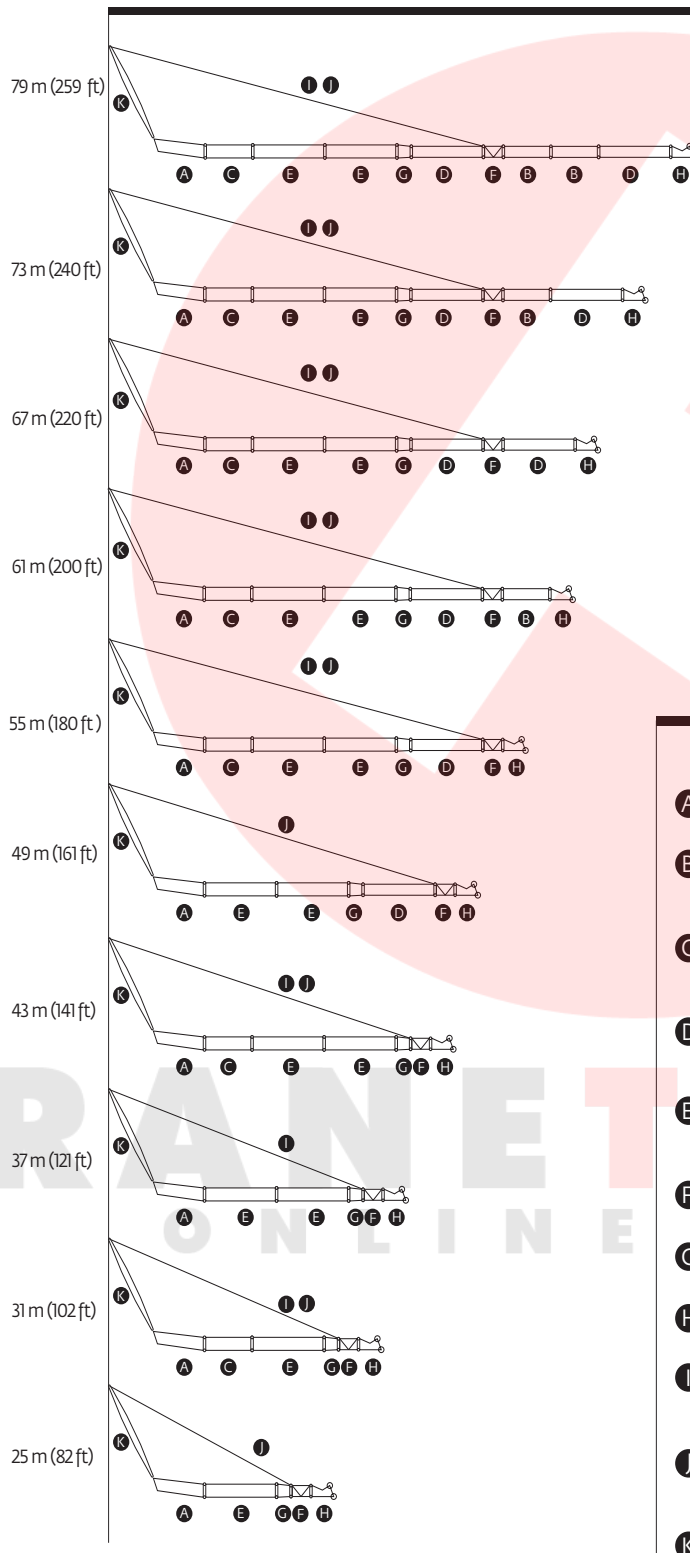




Dimensions

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 1.50 (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)
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)	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)

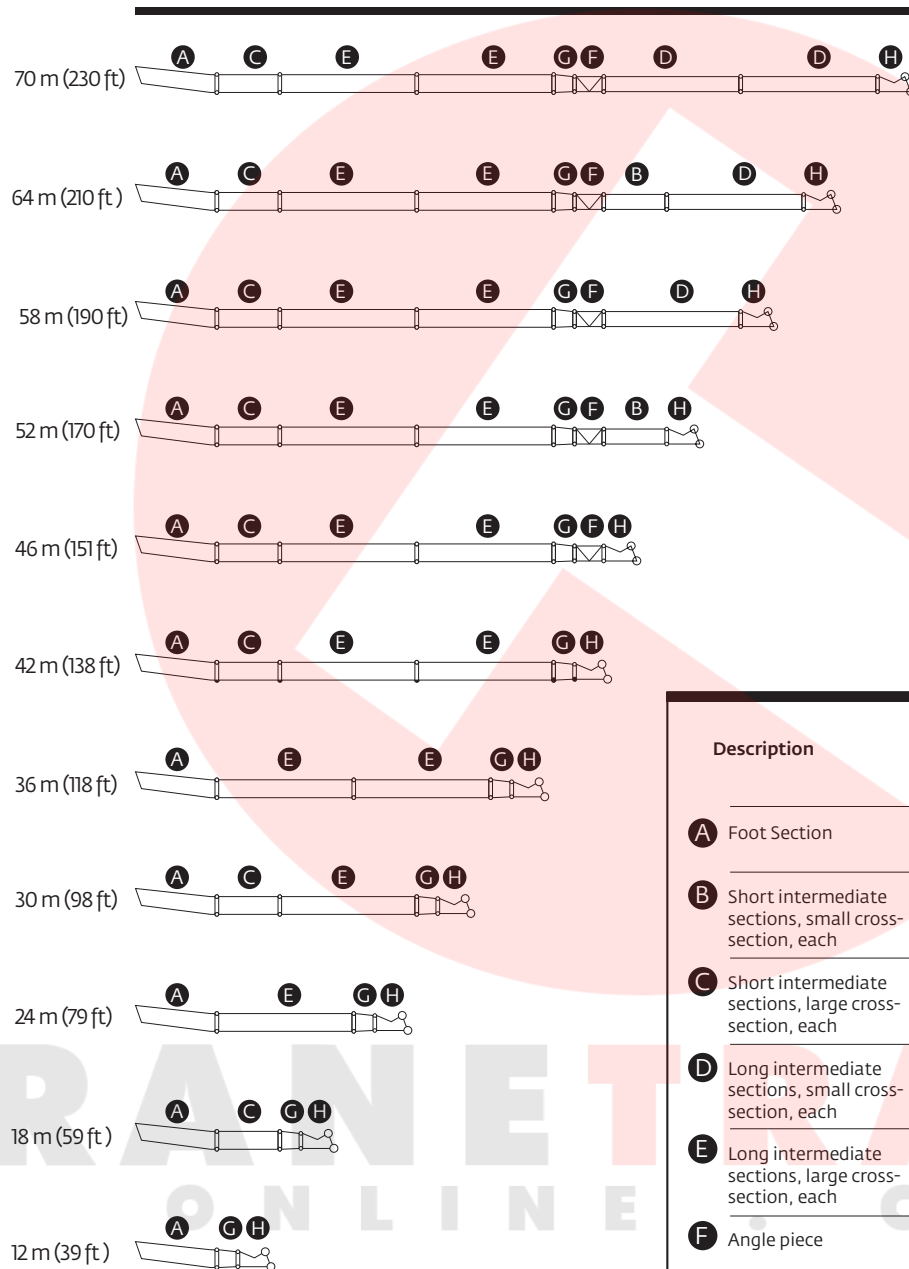
*Individual weight of rear pendant link: 360 kg (795 lb)



Dimensions

Lattice boom extension combinations

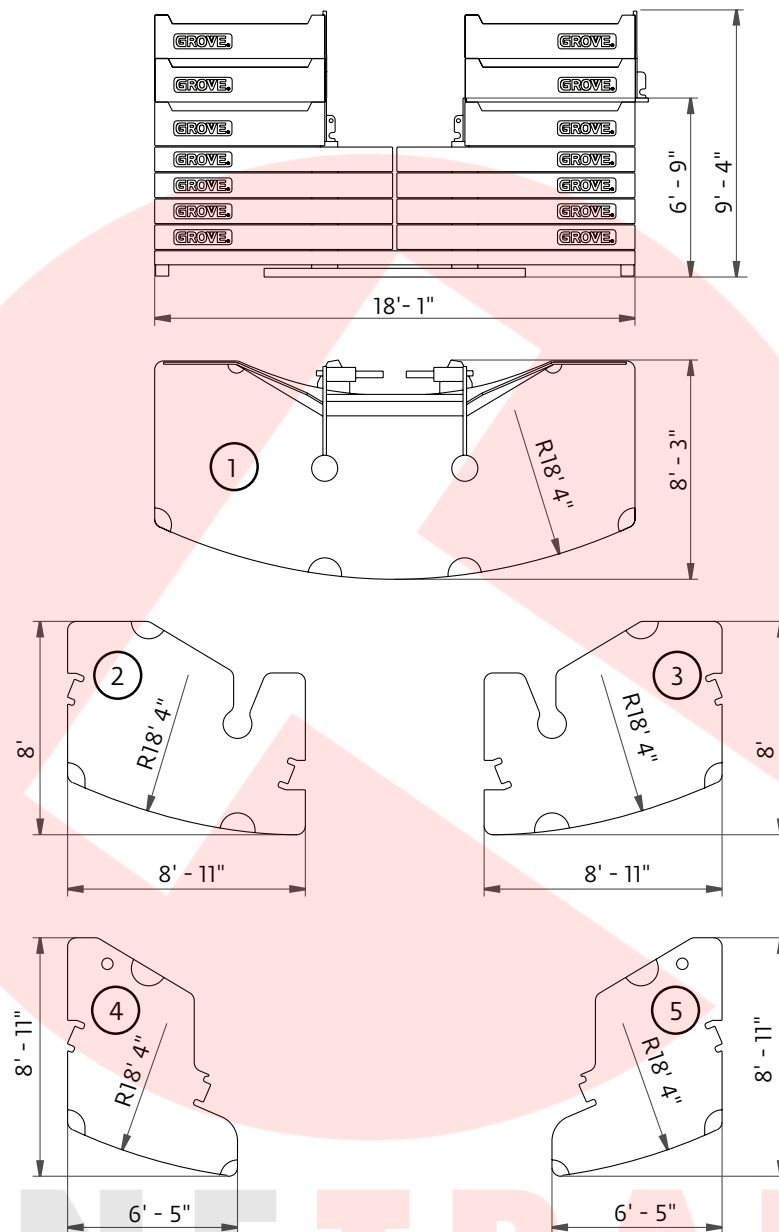
Without angle offset



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)



Counterweight

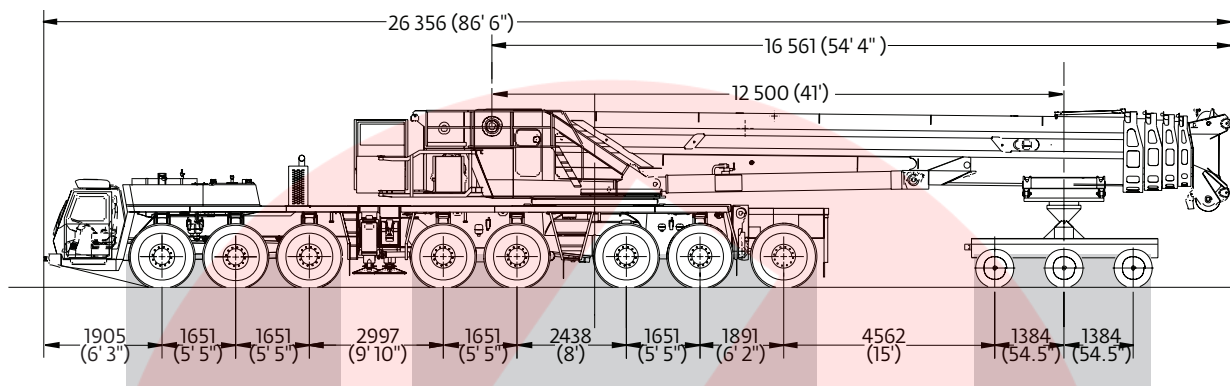


	1	2	3	4	5
Thousand lb	44.0	22.0	22.0	22.0	22.0
44.0	x				
88.1	x	x	x		
132.2	x	2 x	2 x		
176	x	3 x	3 x		
220.4	x	4 x	4 x		
264.5	x	4 x	4 x	x	x
308.6	x	4 x	4 x	2 x	2 x
352.7	x	4 x	4 x	3 x	3 x



Travel proposals

Trailing boom dolly with 8th axle



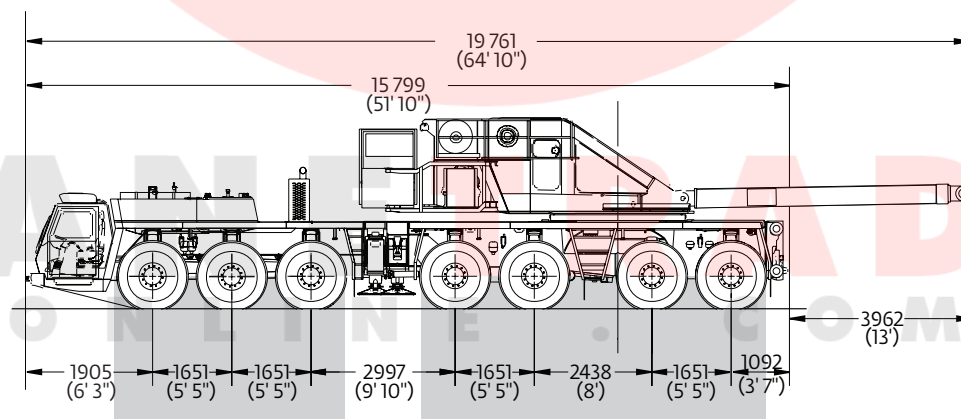
	Axles 1 - 3	Axles 4 - 8	Dolly	Total GVW
Boom in dolly over rear, rear outrigger box removed, 8th axle installed	26 254 kg (57,879 lb)	38 388 kg (84,631 lb)	26 822 kg (59,132 lb)	91 464 kg (201,642 lb)

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



	Axles 1 - 3	Axles 4 - 7	Total GVW
Boom removed, superstructure over rear	16 717 kg (36,855 lb)	34 879 kg (76,895 lb)	51 597 kg (113,750 lb)

Unit equipped with:

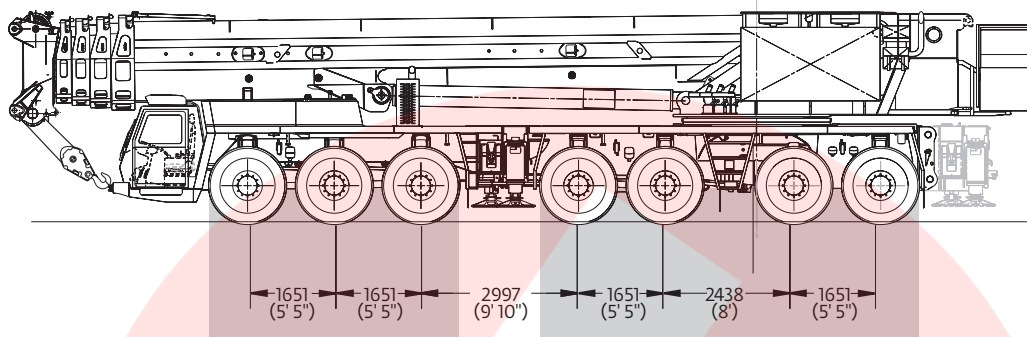
- Rear outrigger box removed
- 20.5 tires on aluminum rims
- Operator, 75 kg (165 lb)

Allow 3% variation in weight due to manufacturing tolerances



Travel proposals

Boom over front



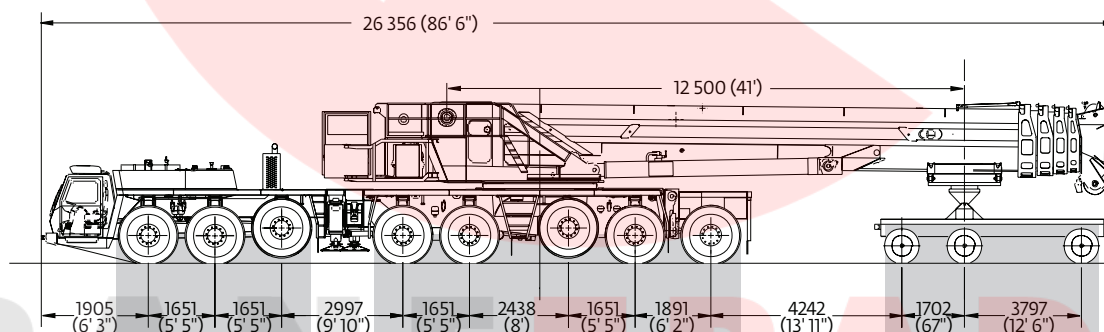
	Axles 1 - 3	Axles 4 - 7/8	Total GVW
Boom over front, rear outrigger box removed	37 724 kg (83,167 lb)	47 502 kg (104,722 lb)	85 226 kg (187,889 lb)
Boom over front, rear outrigger box installed	33 762 kg (74,431 lb)	58 193 kg (128,292 lb)	91 955 kg (202,723 lb)
Boom over front, 8th axle installed	43 562 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



	Axles 1 - 2	Axles 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)

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))

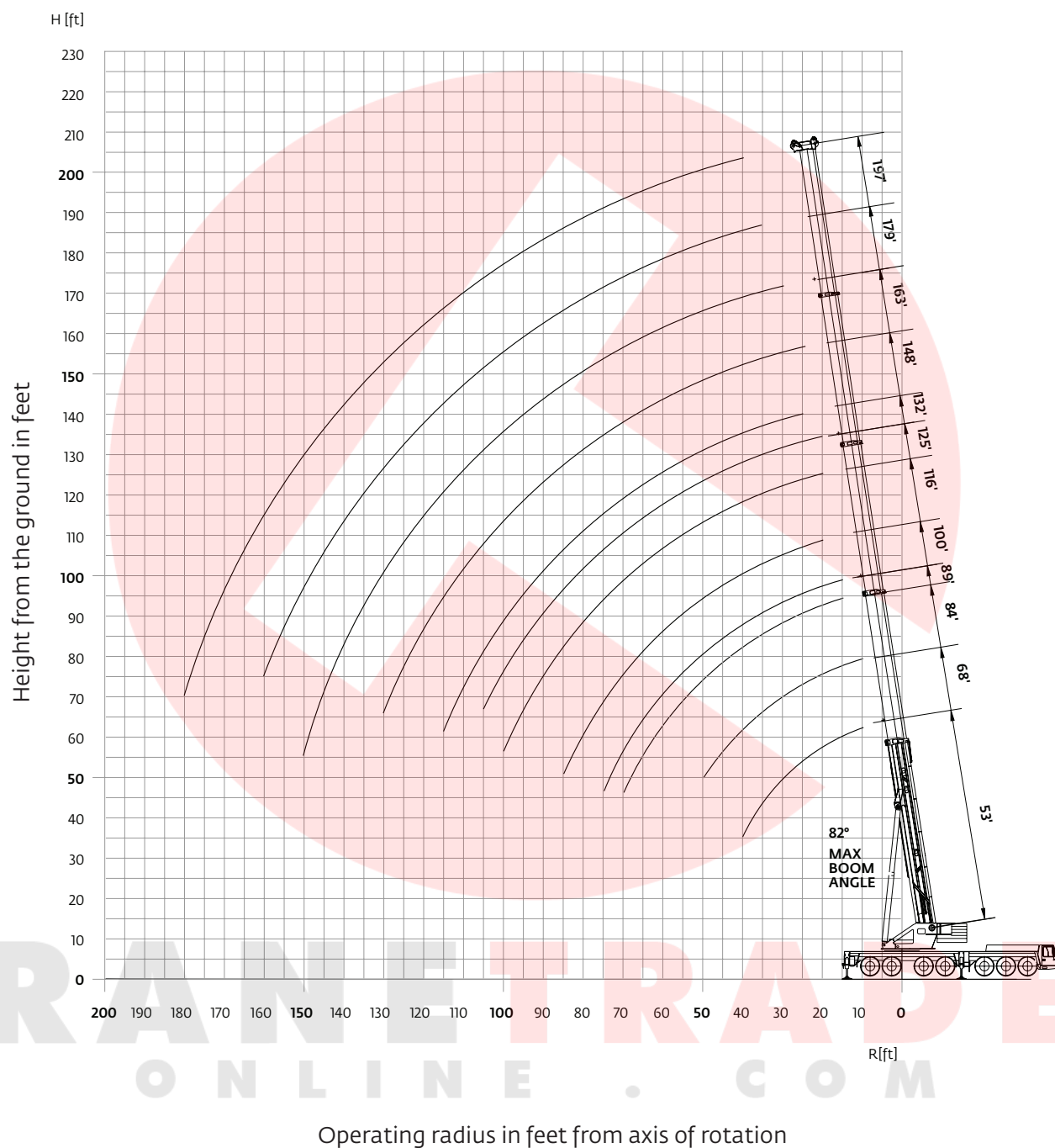
Allow 3% variation in weight due to manufacturing tolerances



Working range

Main boom

197 ft main boom



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



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								
20	438.0	442.0	438.0	300.0	410.0	372.0	284.0					
25	370.0	374.0	374.0	300.0	368.0	346.0	256.0	254.0				
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	206.0	207.0	186.0	168.0	146.0	
40	242.0	244.0	246.0	238.0	244.0	246.0	187.0	186.0	168.0	155.0	141.0	123.0
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								
20	428.0	432.0	432.0	300.0	410.0	372.0	284.0					
25	360.0	364.0	364.0	300.0	362.0	346.0	256.0	254.0				
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	
40	228.0	232.0	236.0	226.0	236.0	234.0	187.0	186.0	168.0	155.0	141.0	123.0
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	42.4	40.4	40.6
130									41.2	39.4	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

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 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°									
	 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												
10	650.0	624.0										
15	512.0	514.0										
20	418.0	420.0										
25	352.0	354.0										
30	294.0	298.0										
35	250.0	252.0										
40	203.0	213.0										
45		176.0										
50		149.0										
55												
60												
65												
70												
75												
80												
85												
90												
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135												
140												
145												
150												
155												
160												
165												
170												
175												
180												

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°									
	 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
10	634.0	624.0										
15	500.0	500.0										
20	406.0	410.0	410.0	300.0	408.0	372.0	284.0					
25	336.0	340.0	340.0	300.0	338.0	314.0	256.0	254.0				
30	268.0	276.0	278.0	254.0	262.0	244.0	226.0	228.0	204.0	181.0		
35	205.0	215.0	219.0	208.0	212.0	199.0	182.0	194.0	179.0	163.0	146.0	
40	162.0	171.0	175.0	172.0	174.0	170.0	151.0	161.0	150.0	143.0	141.0	123.0
45		141.0	145.0	142.0	144.0	145.0	135.0	136.0	133.0	127.0	121.0	116.0
50		118.0	124.0	119.0	126.0	125.0	115.0	119.0	114.0	110.0	104.0	101.0
55			106.0	107.0	109.0	108.0	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	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	66.0	67.0	66.0	64.0	60.0	56.0	55.0
80					59.0	59.0	60.0	59.0	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
90						48.0	49.0	48.0	46.0	44.0	41.0	40.0
95						43.6	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	30.2	29.4
110							33.2	32.2	30.8	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°



Pounds (thousands)

Feet	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		

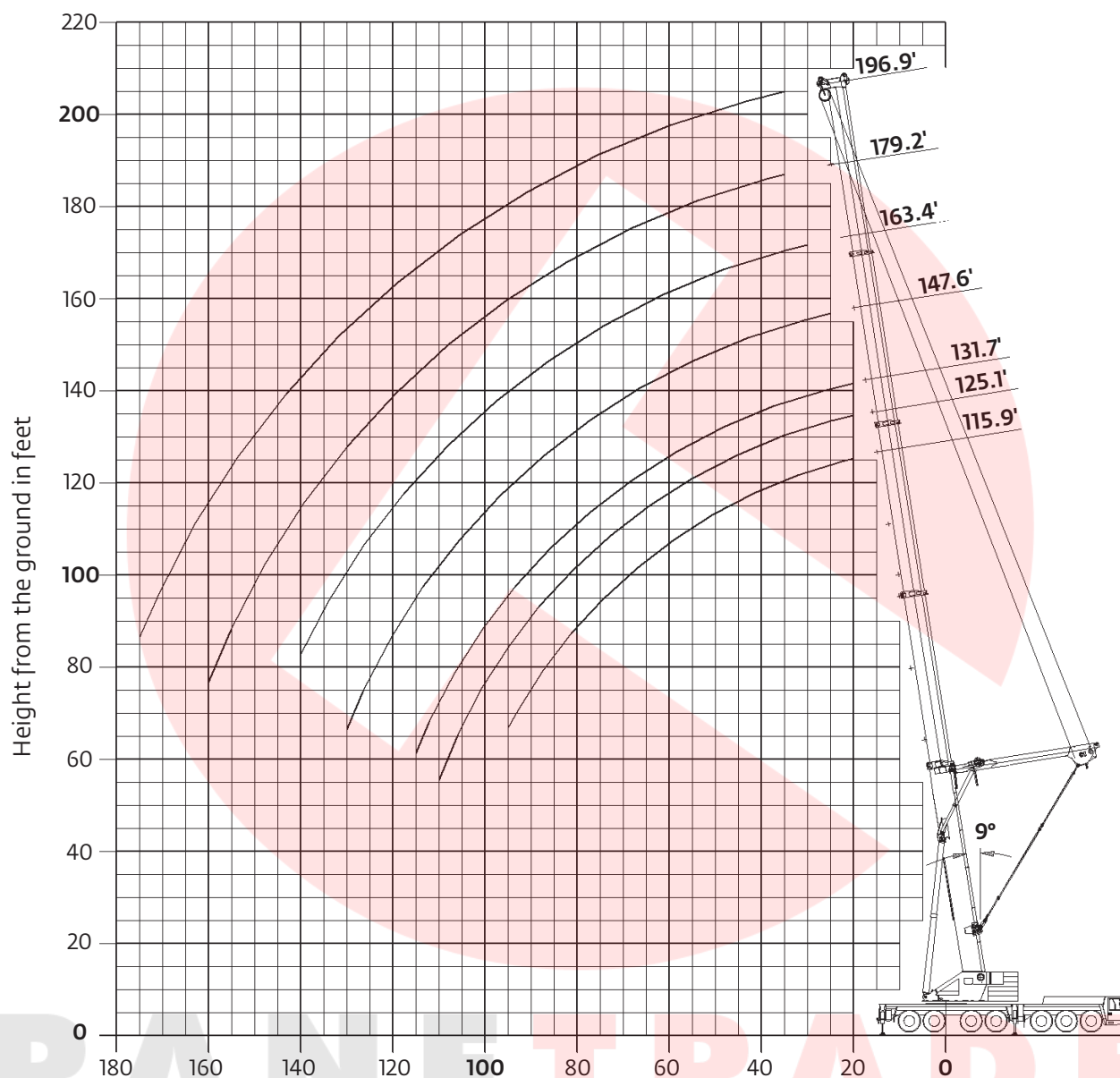
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.



Working range

With MegaWingLift

197 ft main boom





Load charts

With MegaWingLift

 35,3 m - 60 m
(116 ft - 197 ft)
  160 000 kg
(352,700 lb)
  29 ft 2 in spread
(100%)
  360°

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	90.0	89.0	87.0	87.0
105		86.0	85.0	84.0	83.0	82.0	82.0
110		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°

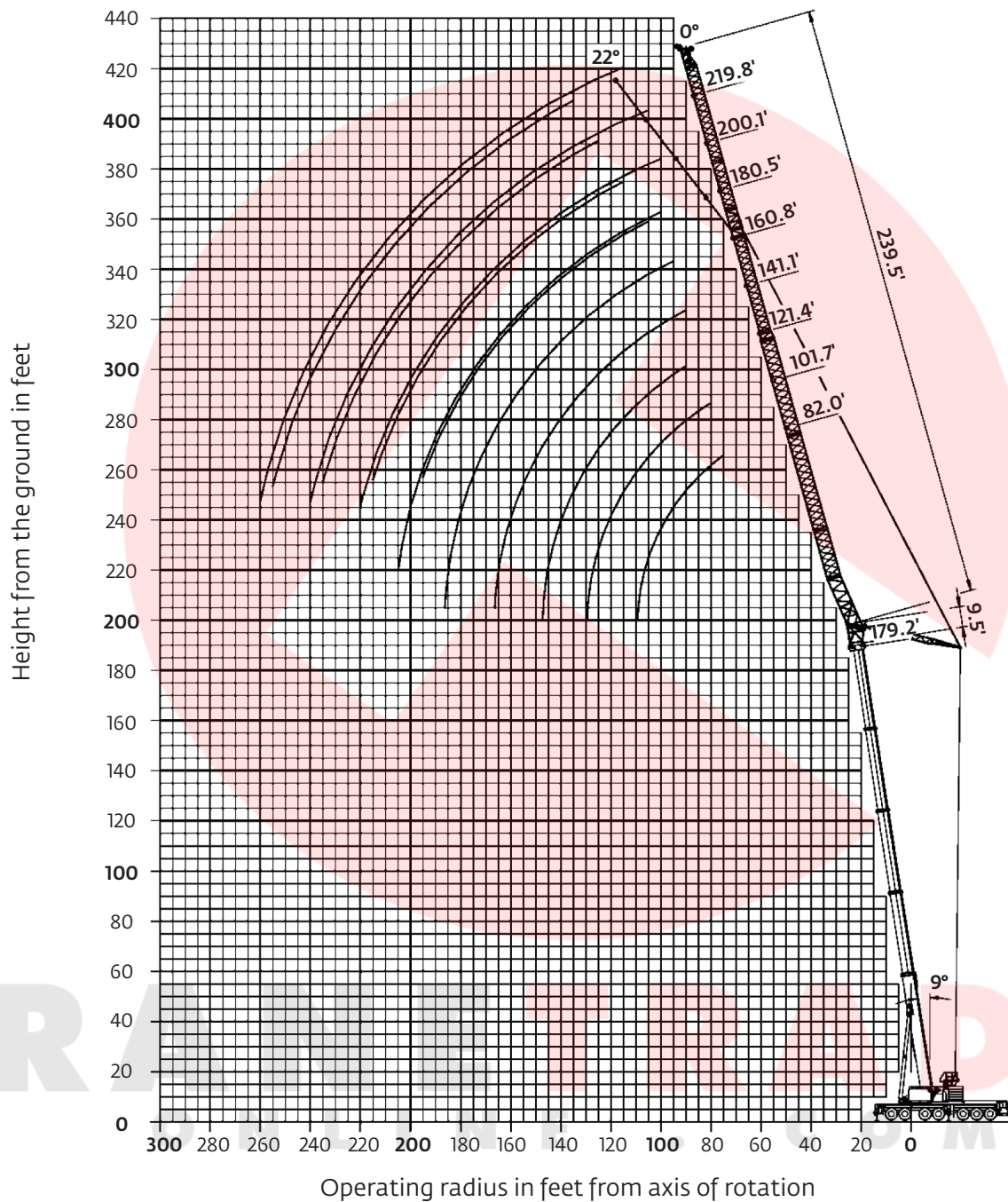
Feet	115.9	125.1	131.7	147.6	163.4	179.2	196.9
20	352.0	270.0	330.0				
25	324.0	254.0	310.0	298.0			
30	298.0	242.0	280.0	268.0	222.0	213.0	
35	260.0	230.0	258.0	244.0	211.0	200.0	167.0
40	236.0	219.0	232.0	226.0	200.0	186.0	158.0
45	208.0	204.0	206.0	202.0	190.0	175.0	149.0
50	185.0	186.0	186.0	185.0	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	71.0	69.0	69.0
105		68.0	67.0	66.0	65.0	63.0	64.0
110		63.0	63.0	61.0	60.0	58.0	59.0
115			58.0	57.0	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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Working range

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



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



Load charts

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°

Pounds (thousands)

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

81°
 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°

Pounds (thousands)

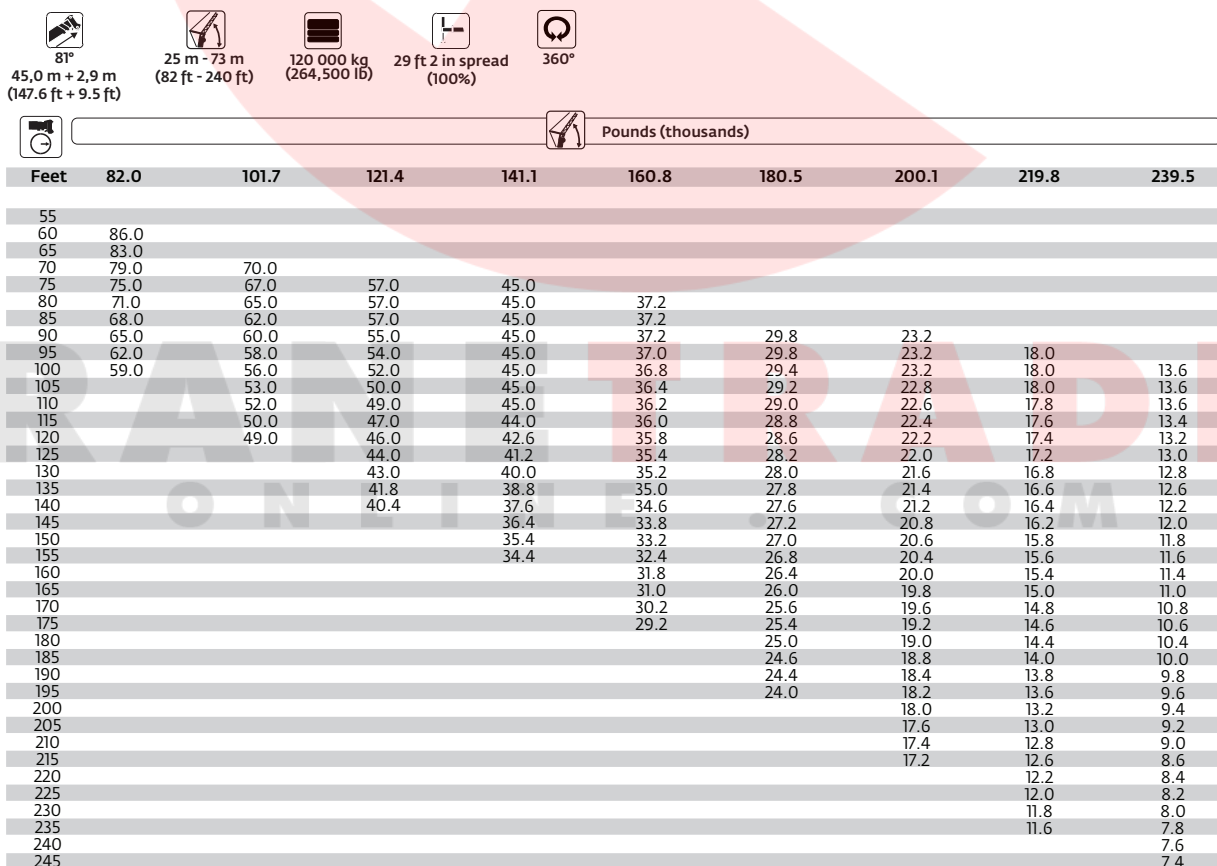
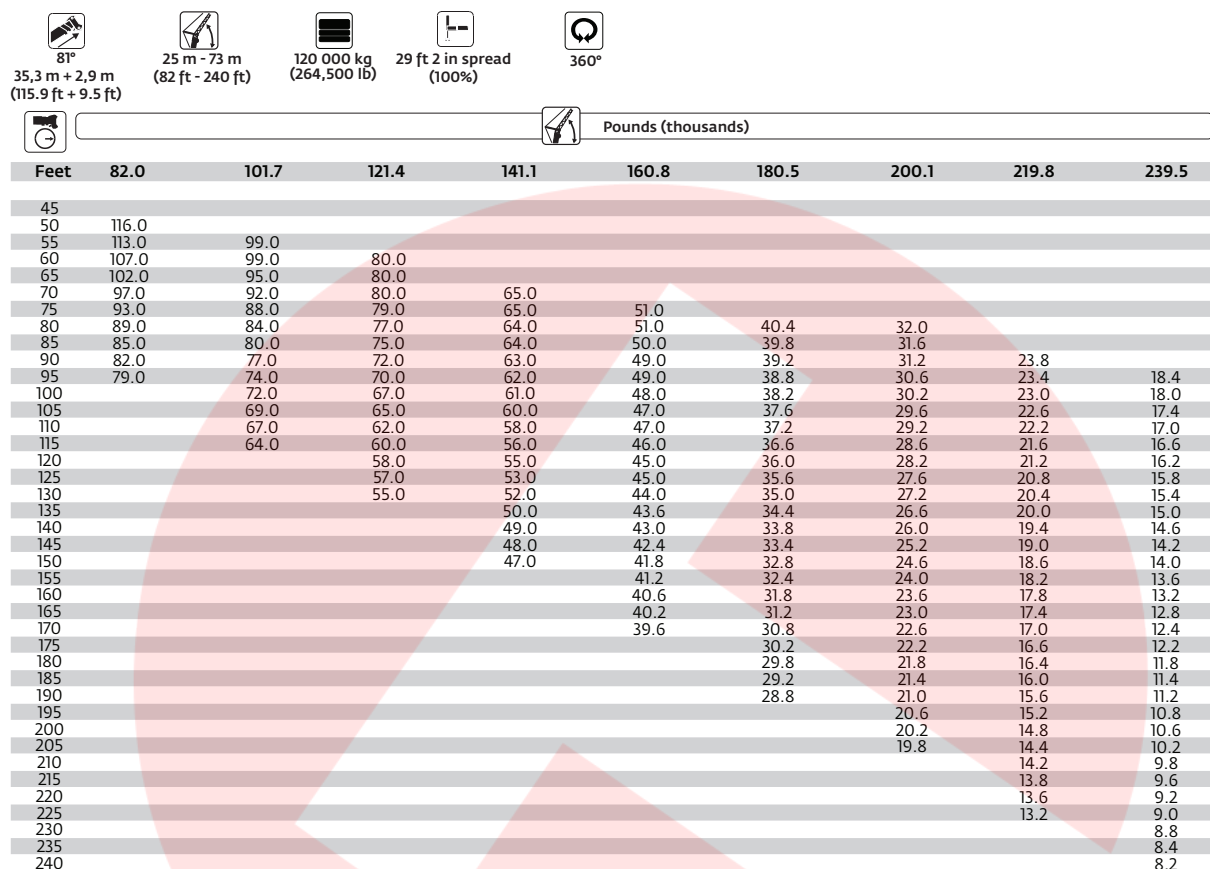
Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
40									
45	154.0								
50	145.0	125.0							
55	137.0	123.0	100.0	79.0					
60	129.0	120.0	99.0	79.0					
65	122.0	118.0	98.0	79.0					
70	117.0	116.0	97.0	79.0	63.0				
75	112.0	113.0	95.0	78.0	62.0	49.0	38.4		
80	107.0	111.0	93.0	77.0	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									8.6

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 charts



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 charts

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°

Pounds (thousands)

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	9.8
155				30.0	27.8	22.2	17.6	13.2	9.6
160				29.2	27.4	22.0	17.4	13.0	9.4
165					27.0	21.8	17.2	12.8	9.4
170					26.2	21.8	17.0	12.6	9.2
175					25.4	21.6	16.8	12.6	9.0
180					24.8	21.4	16.6	12.4	8.8
185						21.2	16.4	12.2	8.6
190						21.0	16.2	12.0	8.4
195						20.6	16.0	11.8	8.4
200						20.4	16.0	11.6	8.2
205							15.8	11.4	8.0
210							15.6	11.4	7.8
215							15.4	11.2	7.6
220							15.2	11.0	7.4
225								10.8	7.2
230								10.6	7.0
235								10.4	7.0
240								10.2	6.8
245									6.6
250									6.4
255									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°

Pounds (thousands)

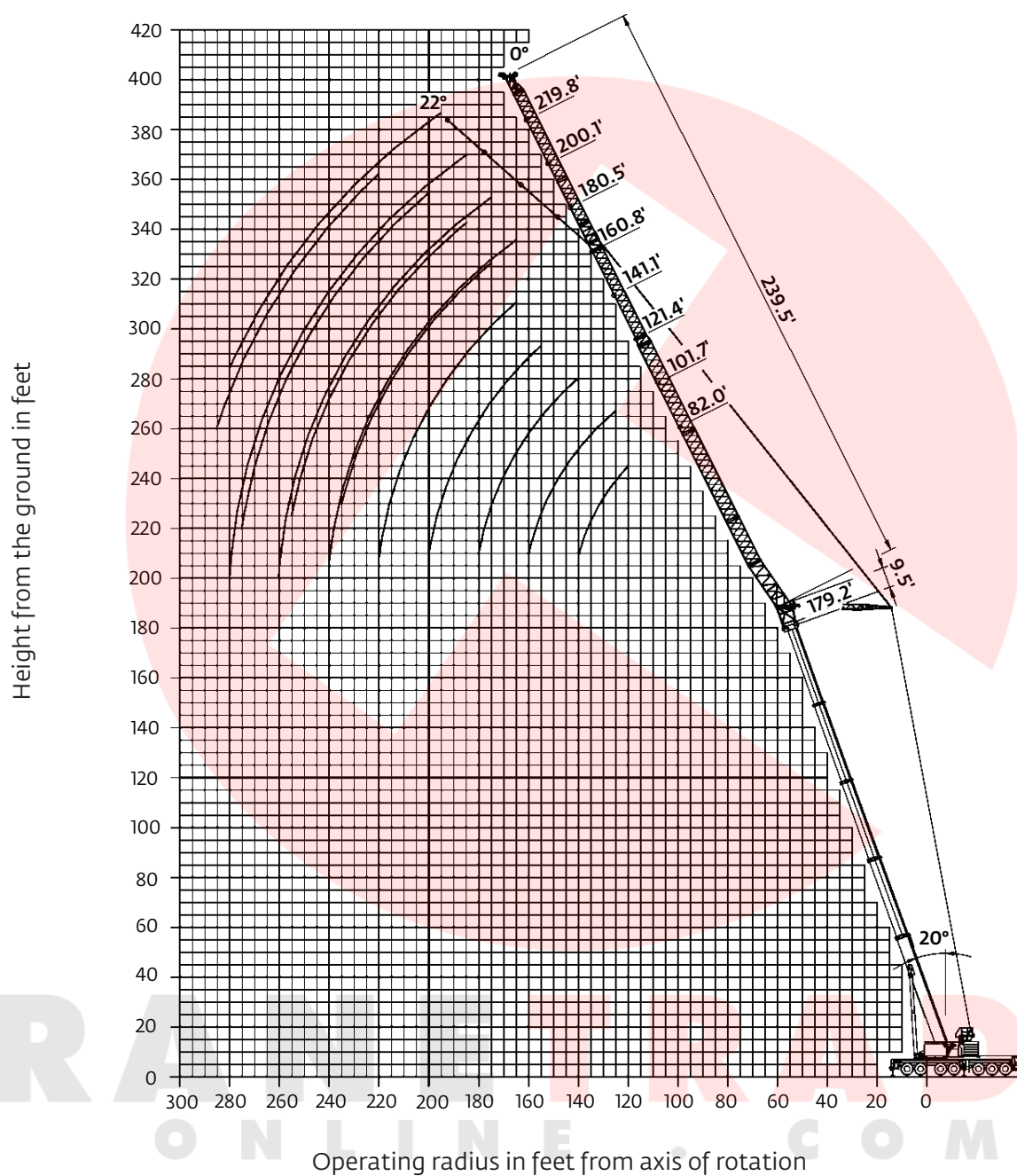
Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
70									
75	55.0								
80	55.0	45.0							
85	55.0	45.0							
90	53.0	45.0	36.6	29.8					
95	51.0	45.0	36.6	29.8	23.8				
100	49.0	45.0	36.6	29.8	23.8	19.6	15.2		
105	47.0	43.2	36.6	29.8	23.8	19.6	15.2	11.6	
110	45.0	41.8	36.6	29.8	23.8	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	11.4	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

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



Working range

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



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



Load charts

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°

Pounds (thousands)

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	17.2
145				55.0	51.0	39.6	30.2	22.0	16.6
150				49.0	50.0	38.8	29.4	21.4	16.0
155					48.0	38.0	28.8	20.8	15.6
160					45.0	37.0	28.0	20.2	15.0
165					43.2	36.2	27.2	19.8	14.6
170					40.0	35.4	26.4	19.2	14.2
175						34.6	25.6	18.8	13.6
180						34.0	24.8	18.2	13.2
185						33.0	24.0	17.8	12.8
190						31.4	23.2	17.2	12.4
195							22.6	16.8	12.0
200							22.2	16.4	11.6
205							21.6	16.0	11.2
210								15.6	10.8
215								15.0	10.6
220								14.6	10.2
225								14.4	9.8
230									9.6
235									9.2
240									9.0
245									8.6

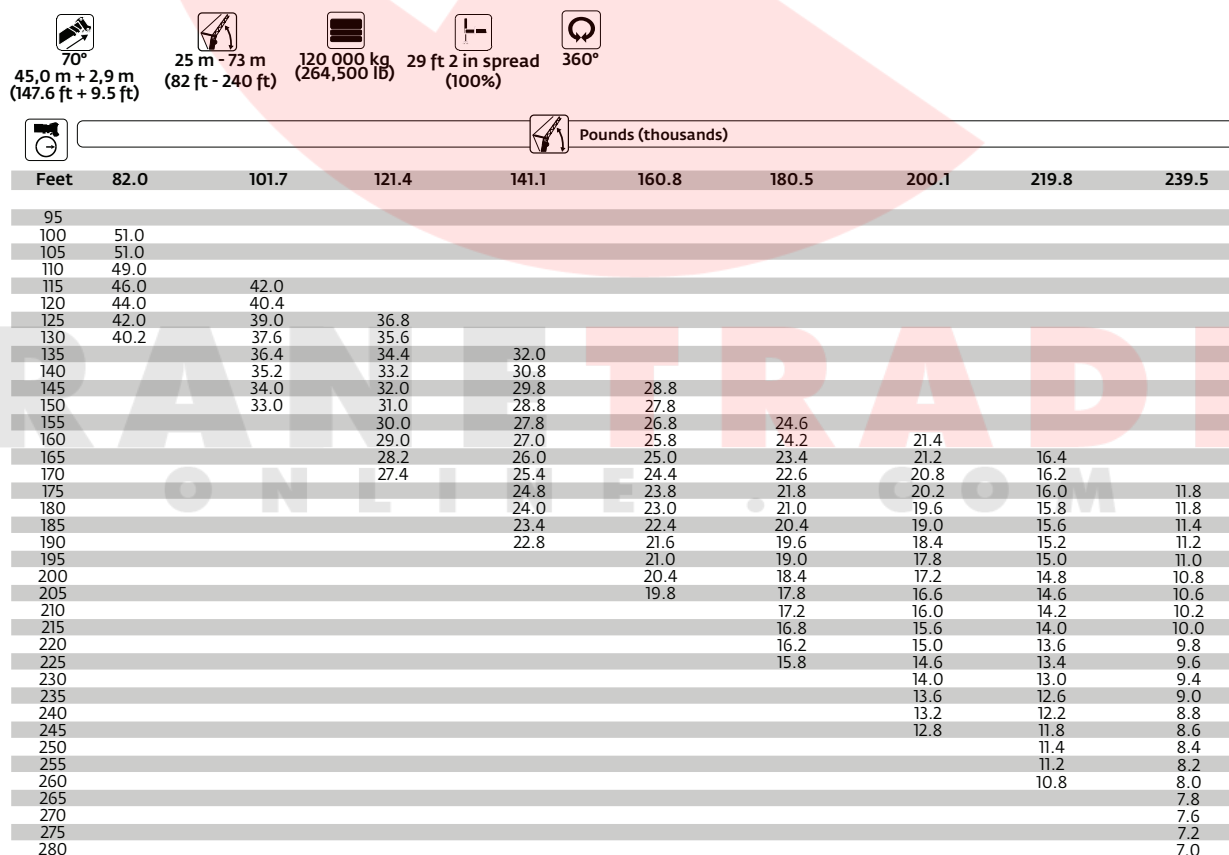
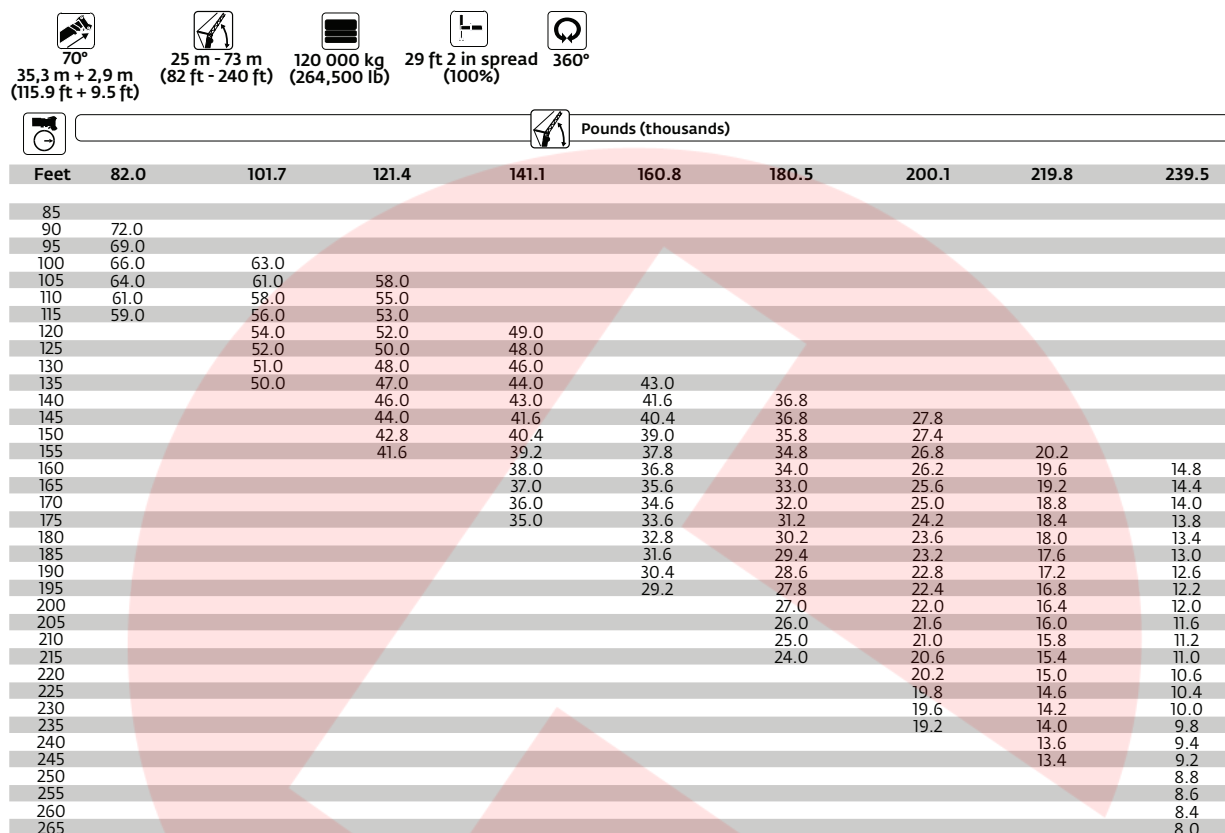
70°
75.7 m + 2.9 m
(84.3 ft + 9.5 ft)
 25 m - 73 m
(82 ft - 240 ft)
 120 000 kg
(264,500 lb)
 29 ft 2 in spread
(100%)
 360°

Pounds (thousands)

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			
140			53.0	52.0	52.0	39.8	31.4		
145				50.0	49.0	39.0	30.8	22.8	
150				48.0	47.0	38.2	30.0	22.2	16.8
155				46.0	45.0	37.6	29.4	21.6	16.2
160				43.6	43.2	36.8	28.6	21.0	15.8
165					41.4	36.0	28.0	20.4	15.4
170					39.6	35.2	27.2	20.0	14.8
175					38.0	34.6	26.4	19.4	14.4
180					36.4	34.0	25.6	19.0	14.0
185						33.8	24.8	18.6	13.6
190						33.2	24.0	18.0	13.2
195						32.6	23.6	17.6	12.8
200						31.8	23.0	17.2	12.4
205						30.4	22.4	16.6	12.0
210							22.0	16.2	11.6
215							21.6	15.8	11.2
220							21.0	15.4	11.0
225							20.6	15.0	10.6
230								14.6	10.2
235								14.4	10.0
240								14.0	9.6
245									9.4
250									9.0
255									8.8



Load charts

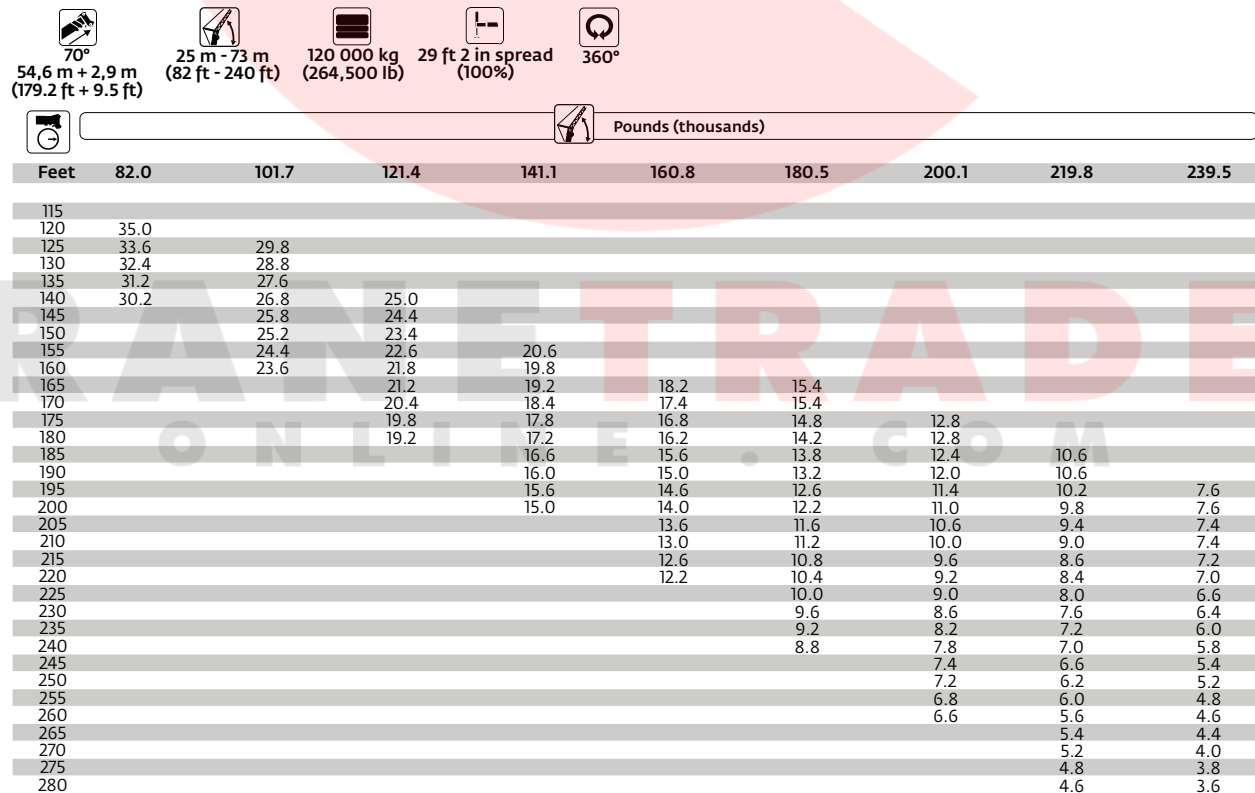
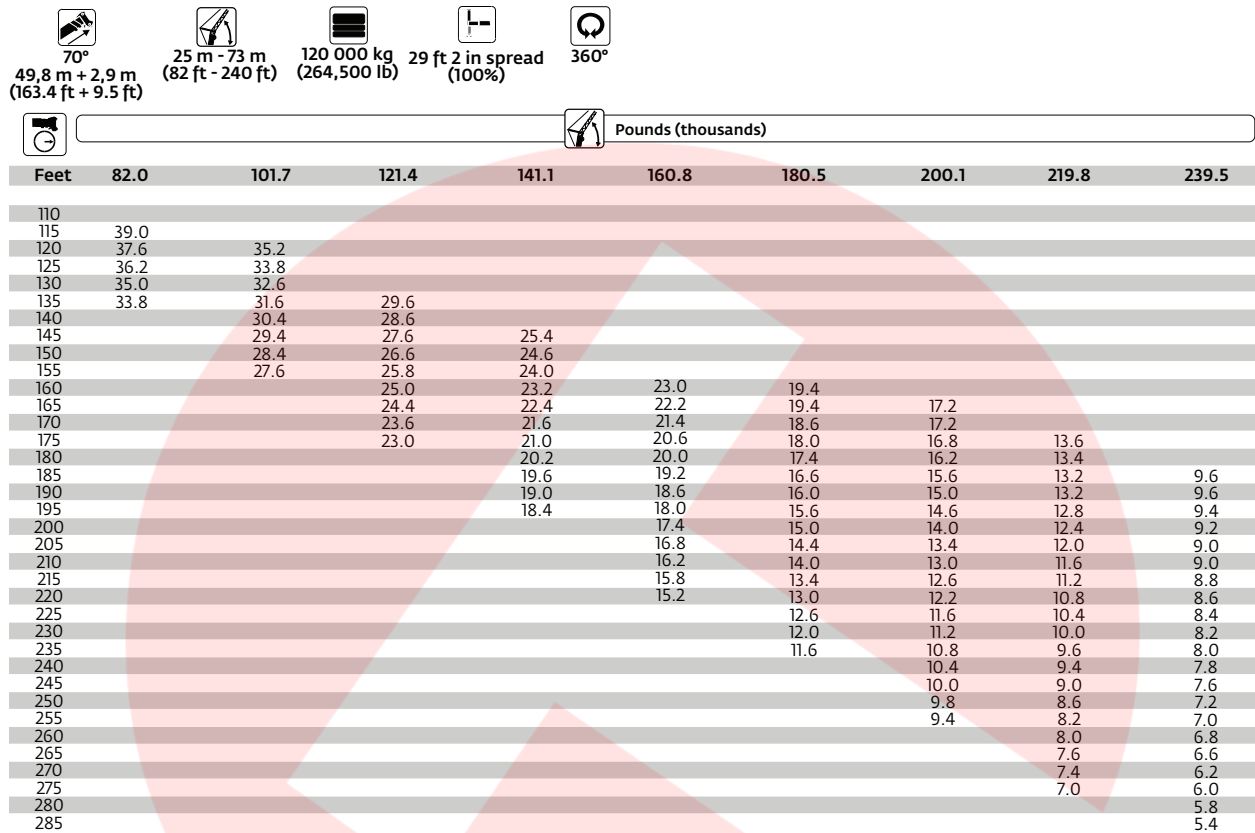


THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

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



Load charts



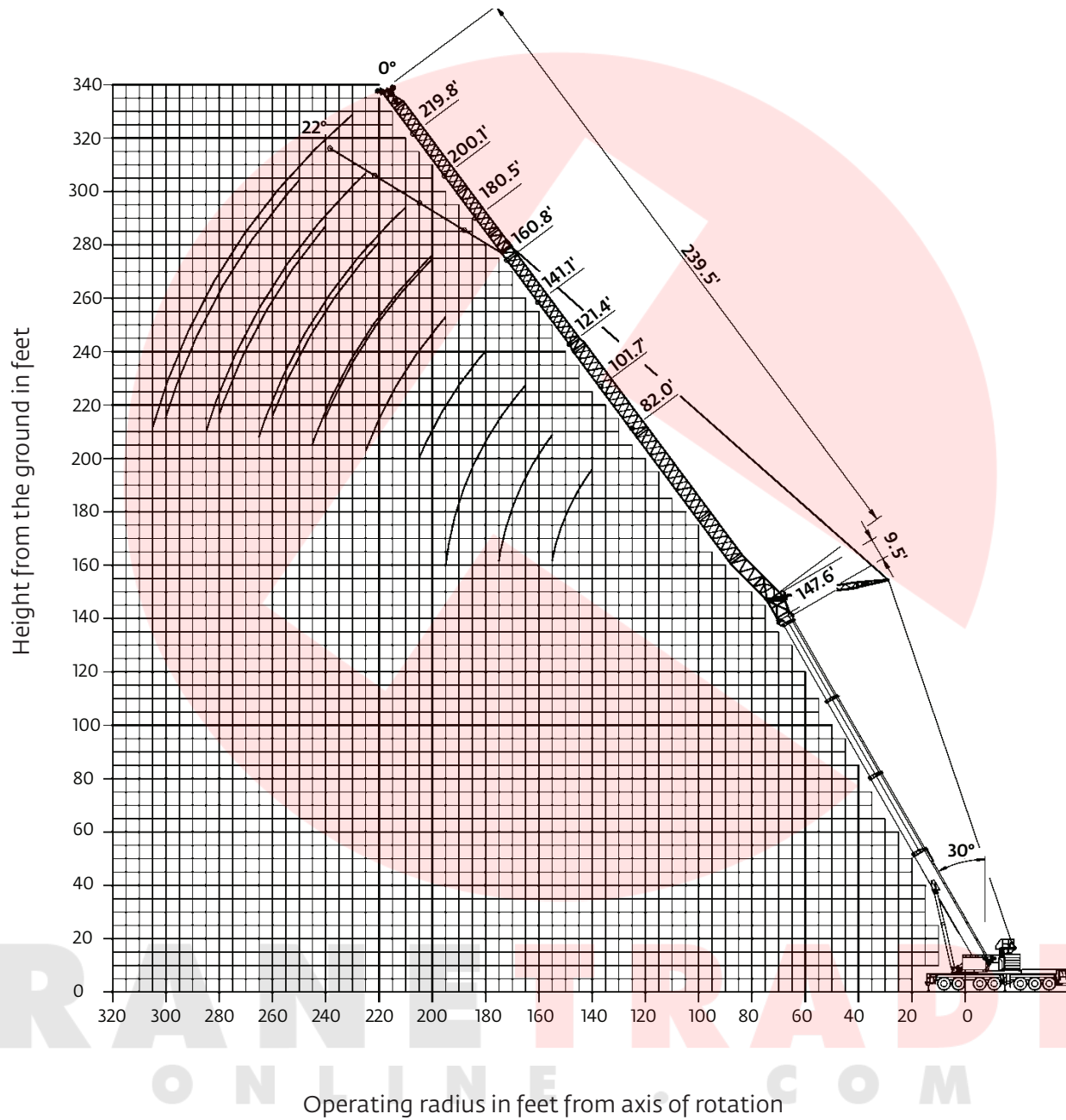
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Working range

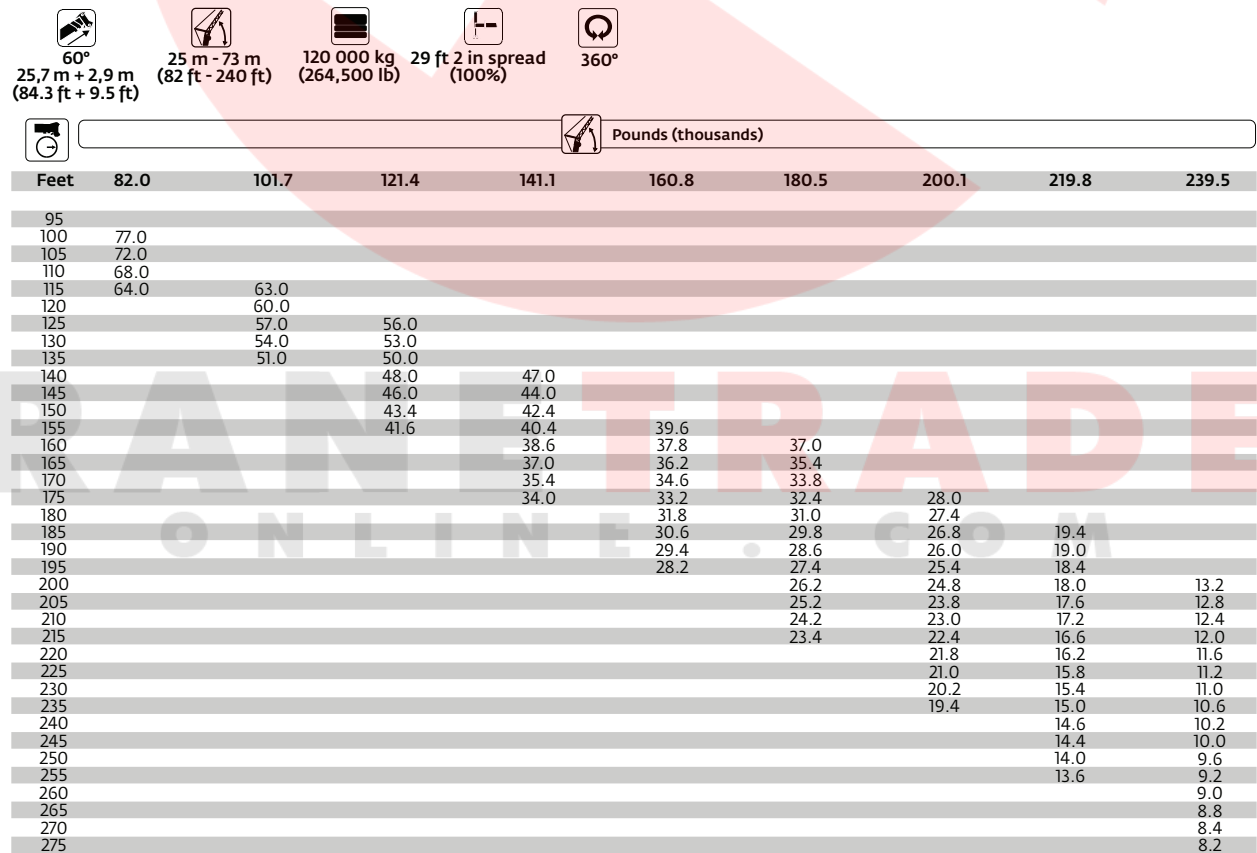
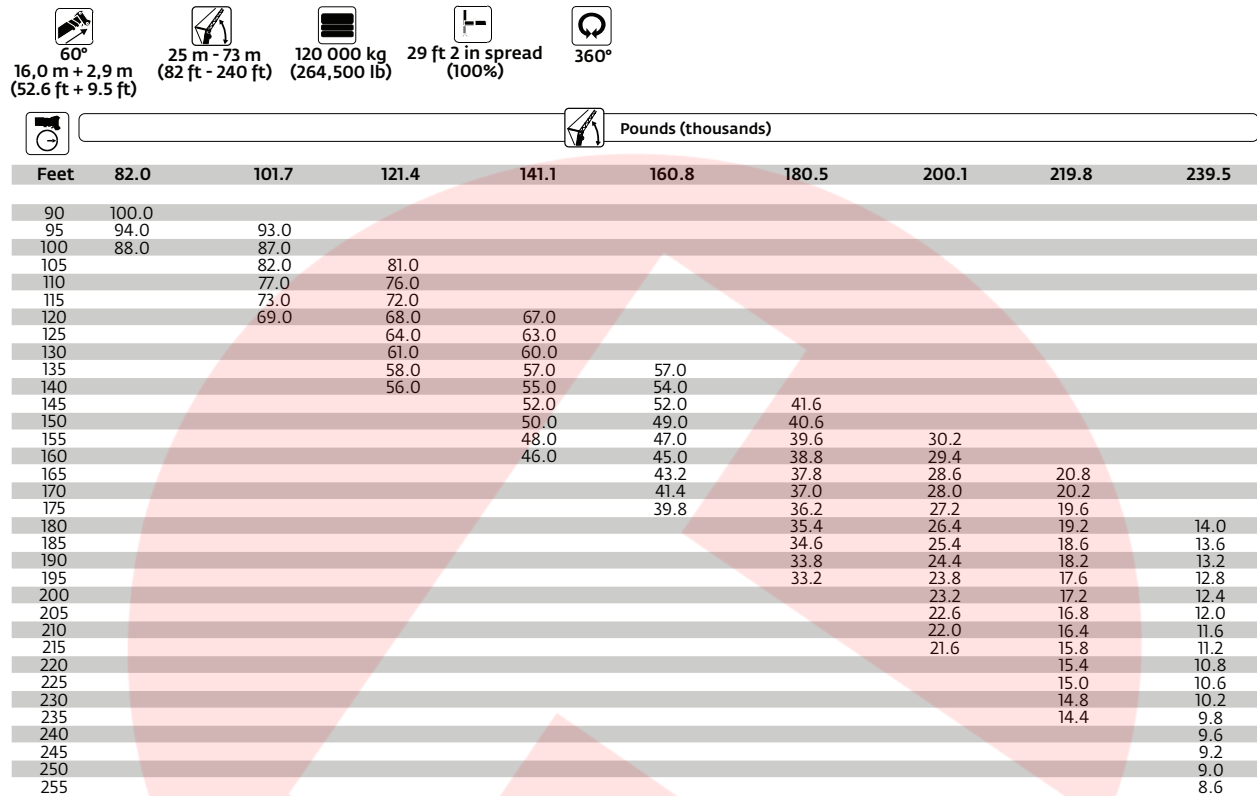
82 ft - 240 ft luffing jib - 60° main boom



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



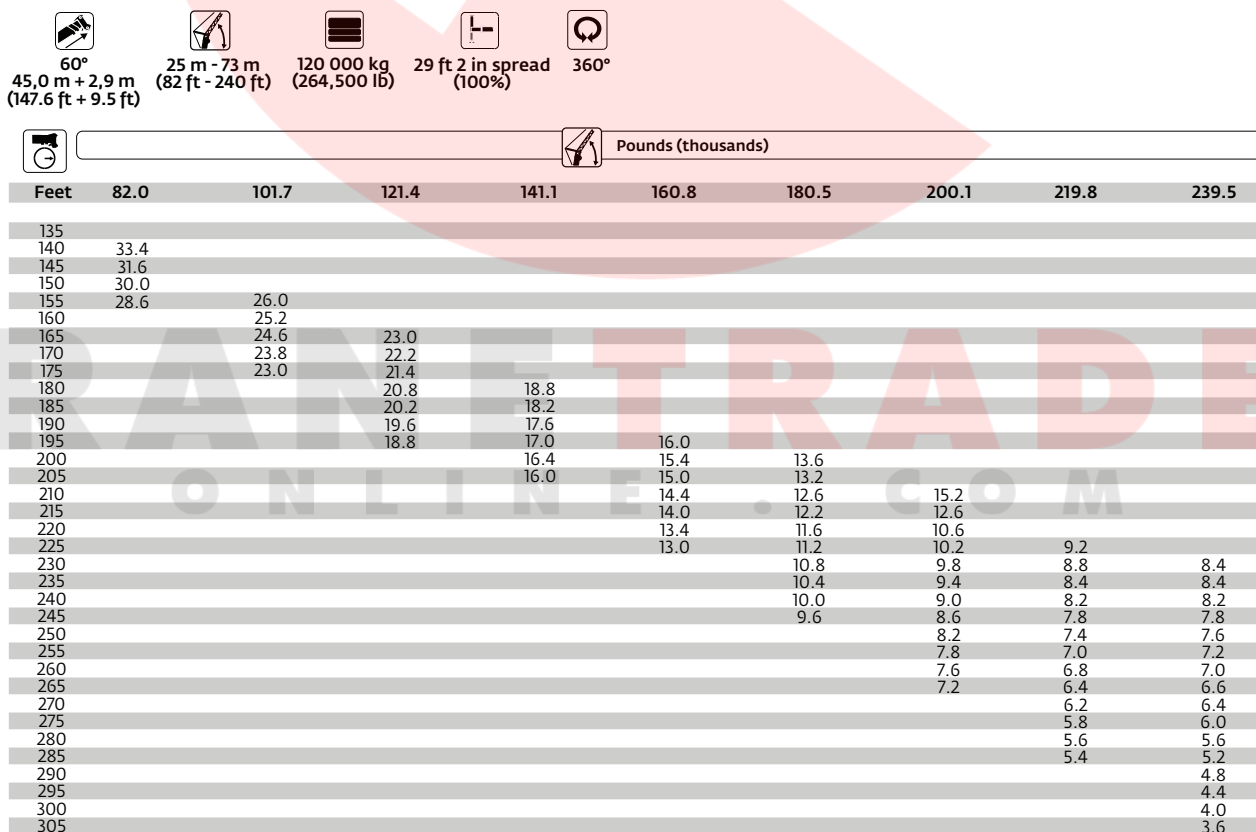
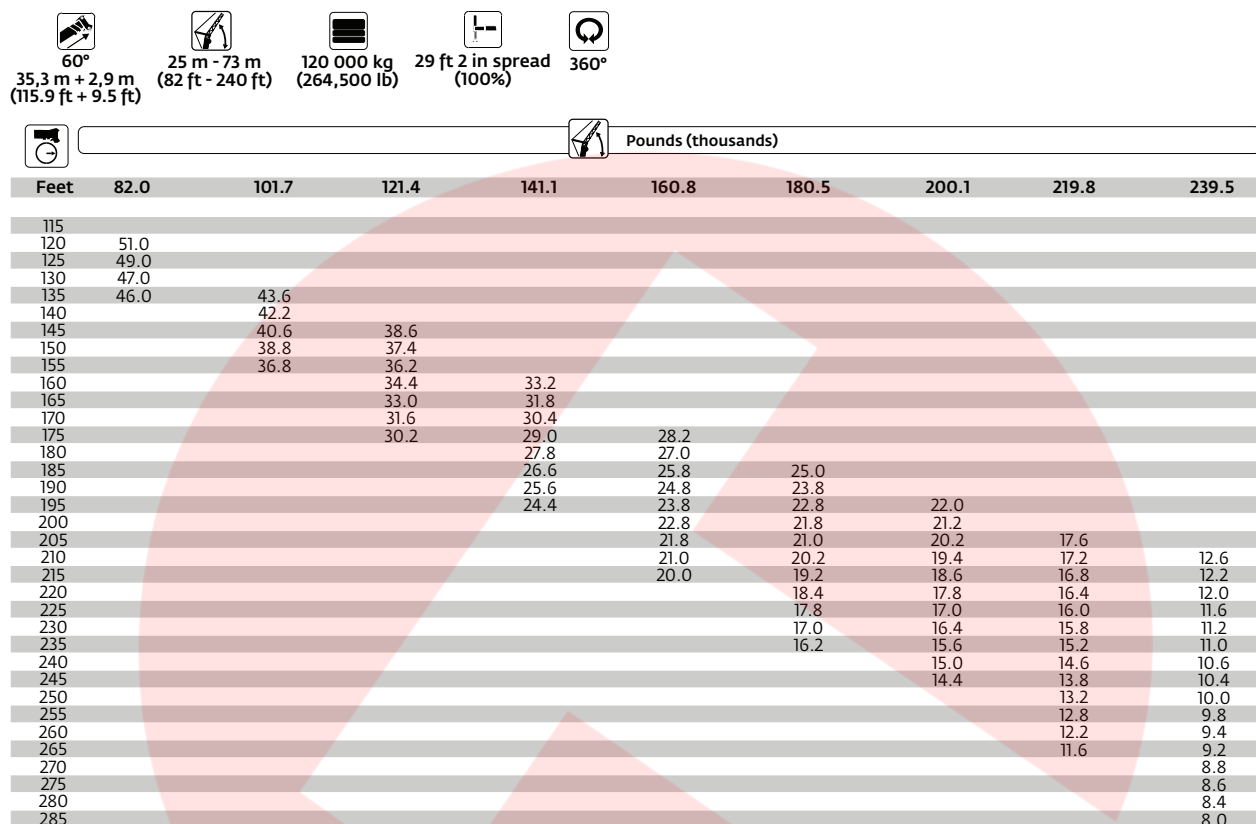
Load charts



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



Load charts

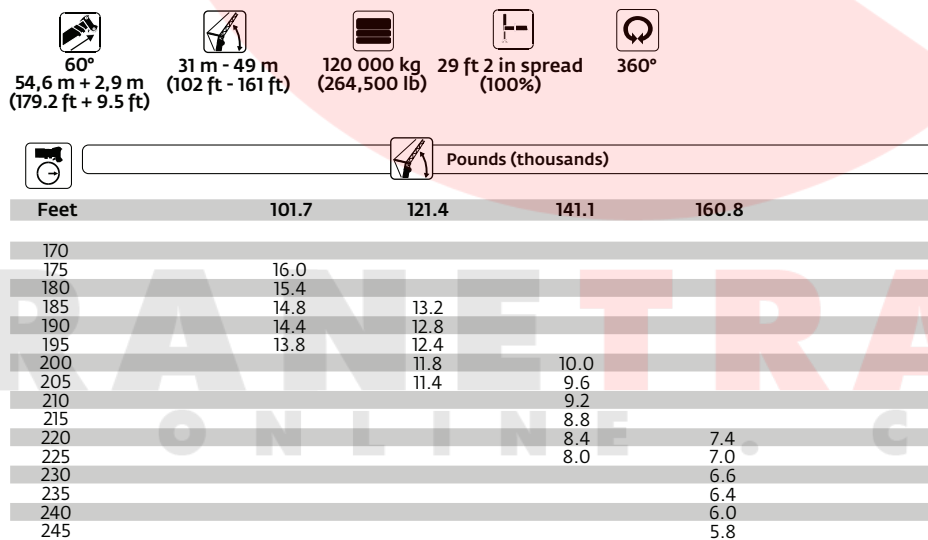
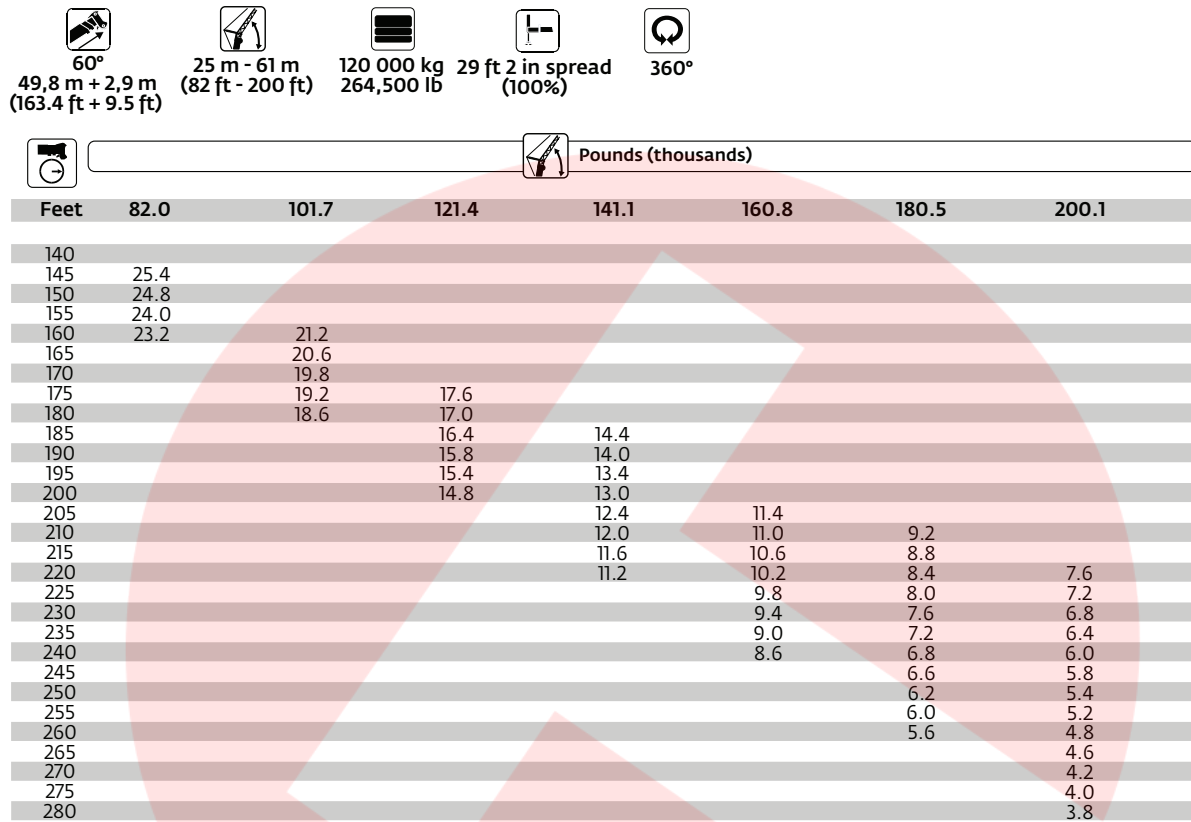


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Load charts



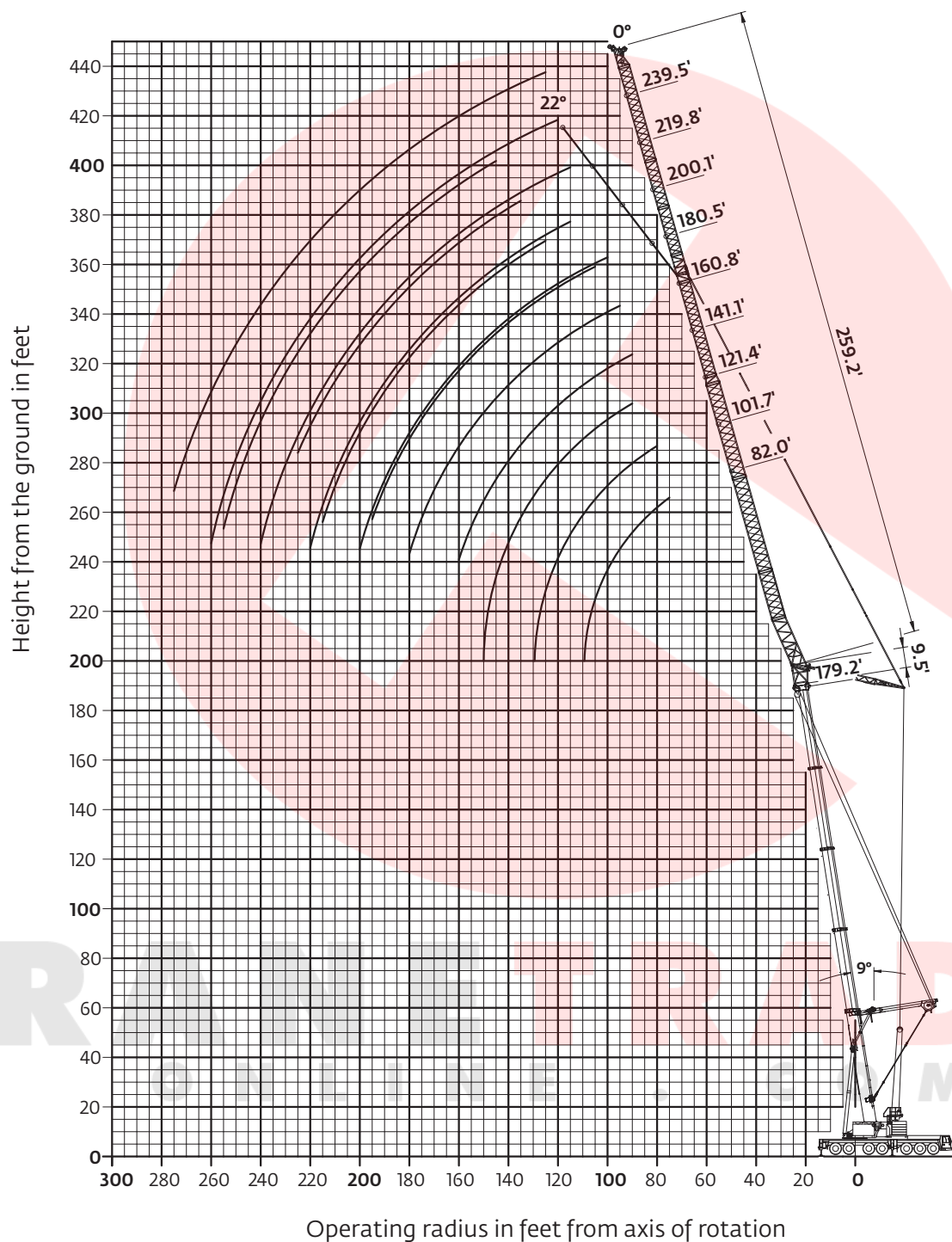
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.



Working range

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

With MegaWingLift

81°
 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°

Pounds (thousands)

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
50	141.0									
55	136.0	107.0								
60	129.0	107.0	85.0							
65	122.0	107.0	85.0							
70	115.0	107.0	85.0	69.0						
75	109.0	107.0	85.0	69.0	58.0					
80	105.0	107.0	85.0	69.0	58.0	48.0				
85	100.0	107.0	85.0	69.0	58.0	48.0				
90	97.0	105.0	85.0	69.0	58.0	48.0	39.6			
95		102.0	85.0	69.0	58.0	48.0	39.6	33.0		
100		98.0	85.0	69.0	58.0	48.0	39.6	33.0	26.2	
105		93.0	85.0	69.0	58.0	48.0	39.6	33.0	26.2	20.6
110		81.0	85.0	69.0	58.0	48.0	39.6	33.0	26.2	20.6
115			84.0	69.0	58.0	48.0	39.6	33.0	26.2	20.6
120			80.0	69.0	58.0	48.0	39.6	33.0	26.2	20.6
125			72.0	69.0	58.0	48.0	39.6	33.0	26.2	20.6
130			63.0	69.0	58.0	48.0	39.6	33.0	26.2	20.6
135				68.0	58.0	48.0	39.6	33.0	26.2	20.6
140				63.0	58.0	47.0	39.6	33.0	25.8	20.6
145				57.0	58.0	47.0	39.6	33.0	25.4	20.4
150				50.0	57.0	46.0	39.6	33.0	24.8	20.0
155					55.0	46.0	39.6	32.8	24.4	19.4
160					51.0	46.0	39.6	32.2	23.8	19.0
165					46.0	45.0	39.6	31.6	23.2	18.6
170					40.8	45.0	39.6	30.6	22.8	18.2
175						44.0	39.6	29.8	22.2	17.8
180						41.4	39.6	29.0	21.8	17.2
185						37.6	39.6	28.0	21.4	16.8
190						33.2	39.6	27.2	20.8	16.4
195							37.0	26.8	20.4	16.0
200							34.0	26.2	19.8	15.6
205							30.8	25.8	19.4	15.4
210								25.4	19.0	15.0
215								24.8	18.6	14.6
220								24.6	18.4	14.2
225									18.0	13.8
230									17.6	13.6
235									17.2	13.2
240									17.0	13.0
245										12.8
250										12.4
255										12.2
260										12.0

81°
 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°

Pounds (thousands)

Feet	82.0	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5	259.2
60	119.0									
65	113.0									
70	109.0	101.0								
75	106.0	98.0	81.0							
80	103.0	94.0	81.0	63.0						
85	102.0	91.0	81.0	63.0						
90	100.0	89.0	81.0	63.0	54.0					
95	98.0	87.0	79.0	63.0	54.0	44.0				
100		85.0	78.0	63.0	54.0	44.0	36.6	30.6		
105		84.0	76.0	63.0	54.0	44.0	36.6	30.6	24.4	
110		82.0	74.0	63.0	54.0	44.0	36.6	30.6	24.4	
115		78.0	72.0	63.0	54.0	44.0	36.6	30.6	24.4	19.0
120			71.0	63.0	54.0	44.0	36.6	30.6	24.4	19.0
125			70.0	63.0	54.0	44.0	36.6	30.6	24.4	19.0
130			68.0	62.0	54.0	44.0	36.6	30.6	24.4	19.0
135			64.0	61.0	54.0	44.0	36.6	30.6	24.4	19.0
140				60.0	54.0	44.0	36.6	30.6	24.4	19.0
145				58.0	54.0	44.0	36.6	30.6	24.4	19.0
150				55.0	54.0	44.0	36.6	30.6	24.4	19.0
155				52.0	54.0	44.0	36.6	30.6	24.2	19.0
160					52.0	43.8	36.6	30.6	23.8	19.0
165					50.0	43.6	36.6	30.6	23.4	18.8
170					48.0	43.2	36.6	30.6	23.0	18.4
175					45.0	42.6	36.6	30.4	22.6	18.0
180						42.2	36.6	29.6	22.0	17.6
185						41.6	36.6	28.8	21.6	17.2
190						41.0	36.6	28.0	21.2	16.8
195						37.0	36.6	27.4	20.8	16.4
200							36.6	26.6	20.4	16.0
205							36.4	26.2	19.8	15.6
210							33.6	25.8	19.4	15.4
215							30.2	25.4	19.0	15.0
220								25.0	18.6	14.6
225								24.6	18.4	14.4
230									18.0	14.0
235									17.8	13.8
240									17.4	13.4
245									17.2	13.2
250										12.8
255										12.6
260										12.4
265										12.2

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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 charts

With MegaWingLift

81°	25 m - 79 m (82 ft - 259 ft)	160 000 kg (352,700 lb)	29 ft 2 in spread (100%)	360°						
49,8 m + 2,9 m (163.4 ft + 9.5 ft)										
	Pounds (thousands)									
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									
80	93.0									
85	91.0									
90	89.0									
95	86.0									
100	81.0									
105										
110										
115										
120										
125										
130										
135										
140										
145										
150										
155										
160										
165										
170										
175										
180										
185										
190										
195										
200										
205										
210										
215										
220										
225										
230										
235										
240										
245										
250										
255										
260										
265										

81°	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)										
	Pounds (thousands)									
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									
85	76.0									
90	73.0									
95	69.0									
100	66.0									
105	63.0									
110	60.0									
115										
120										
125										
130										
135										
140										
145										
150										
155										
160										
165										
170										
175										
180										
185										
190										
195										
200										
205										
210										
215										
220										
225										
230										
235										
240										
245										
250										
255										
260										
265										
270										
275										

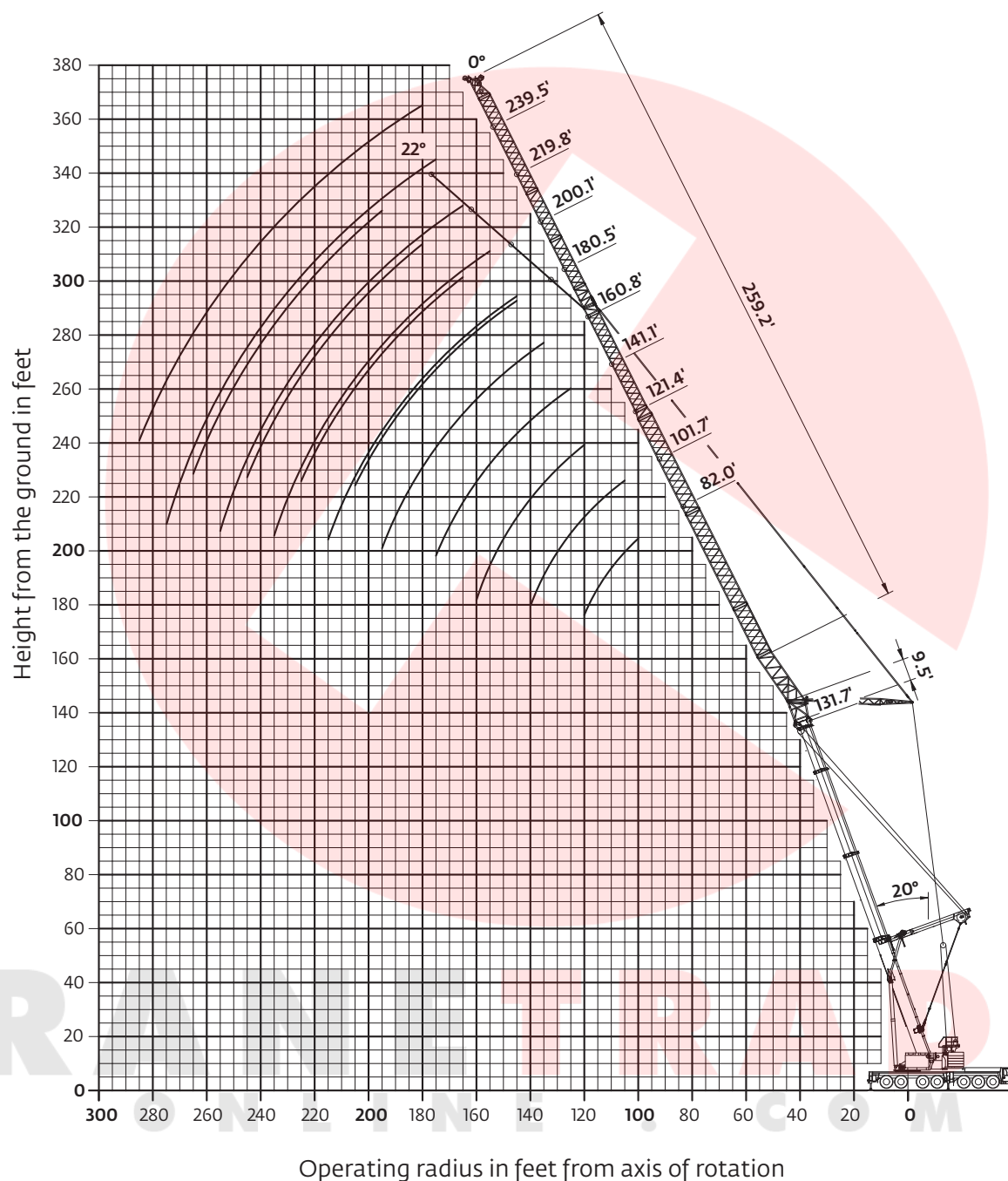
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Working range With MegaWingLift

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

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°



Pounds (thousands)

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°



Pounds (thousands)

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

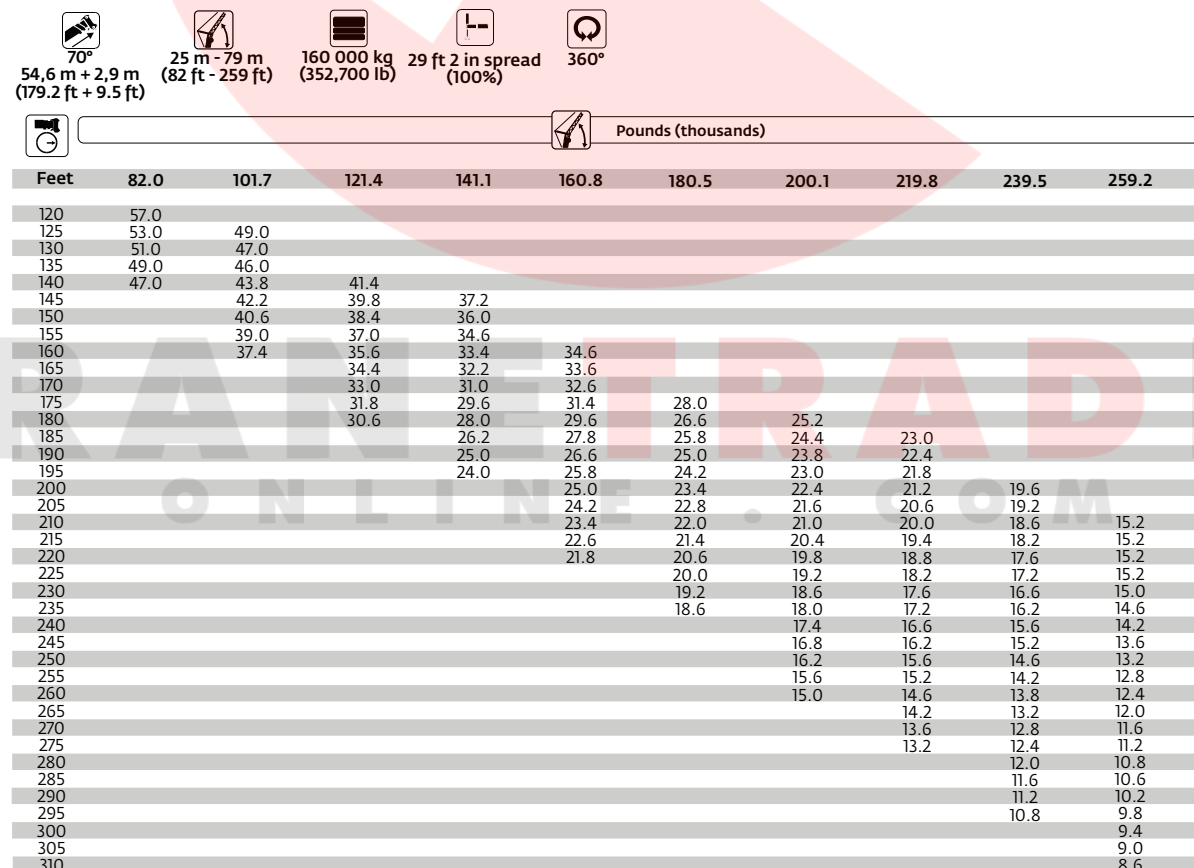
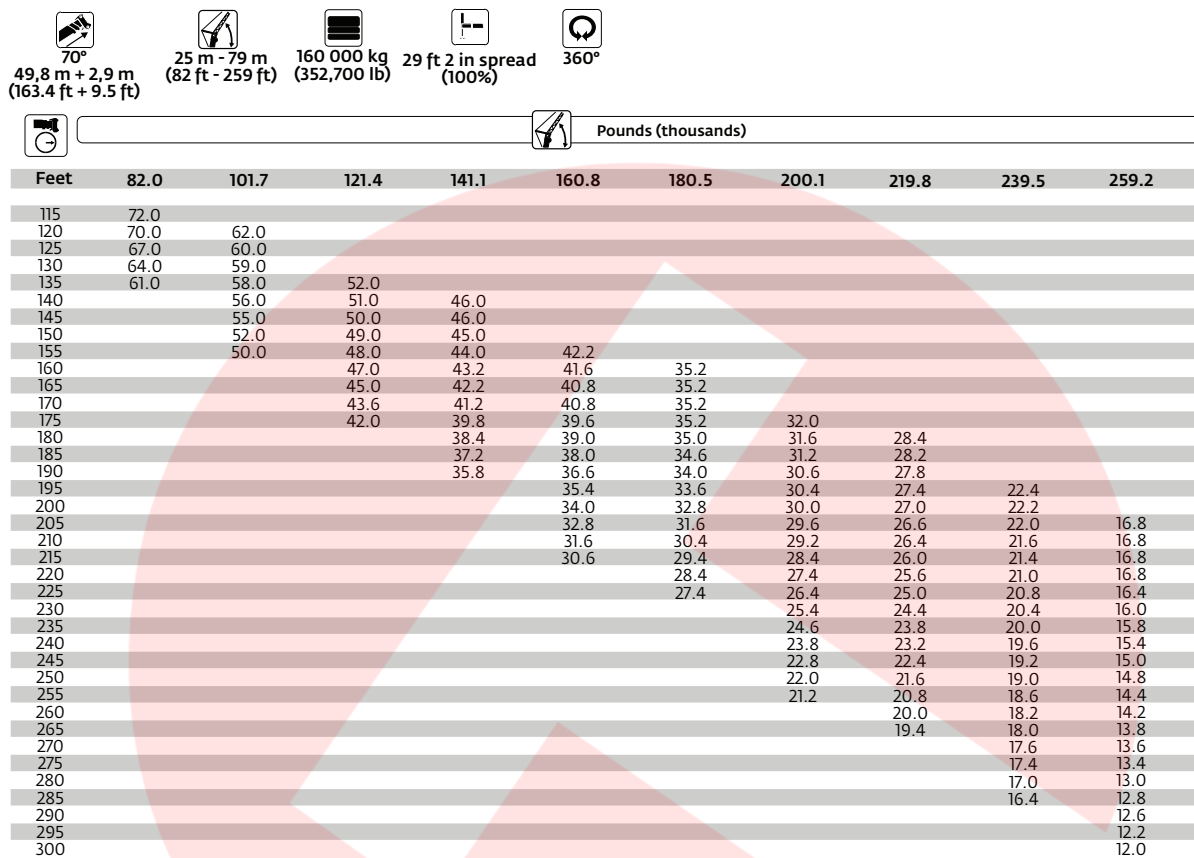
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Load charts

With MegaWingLift

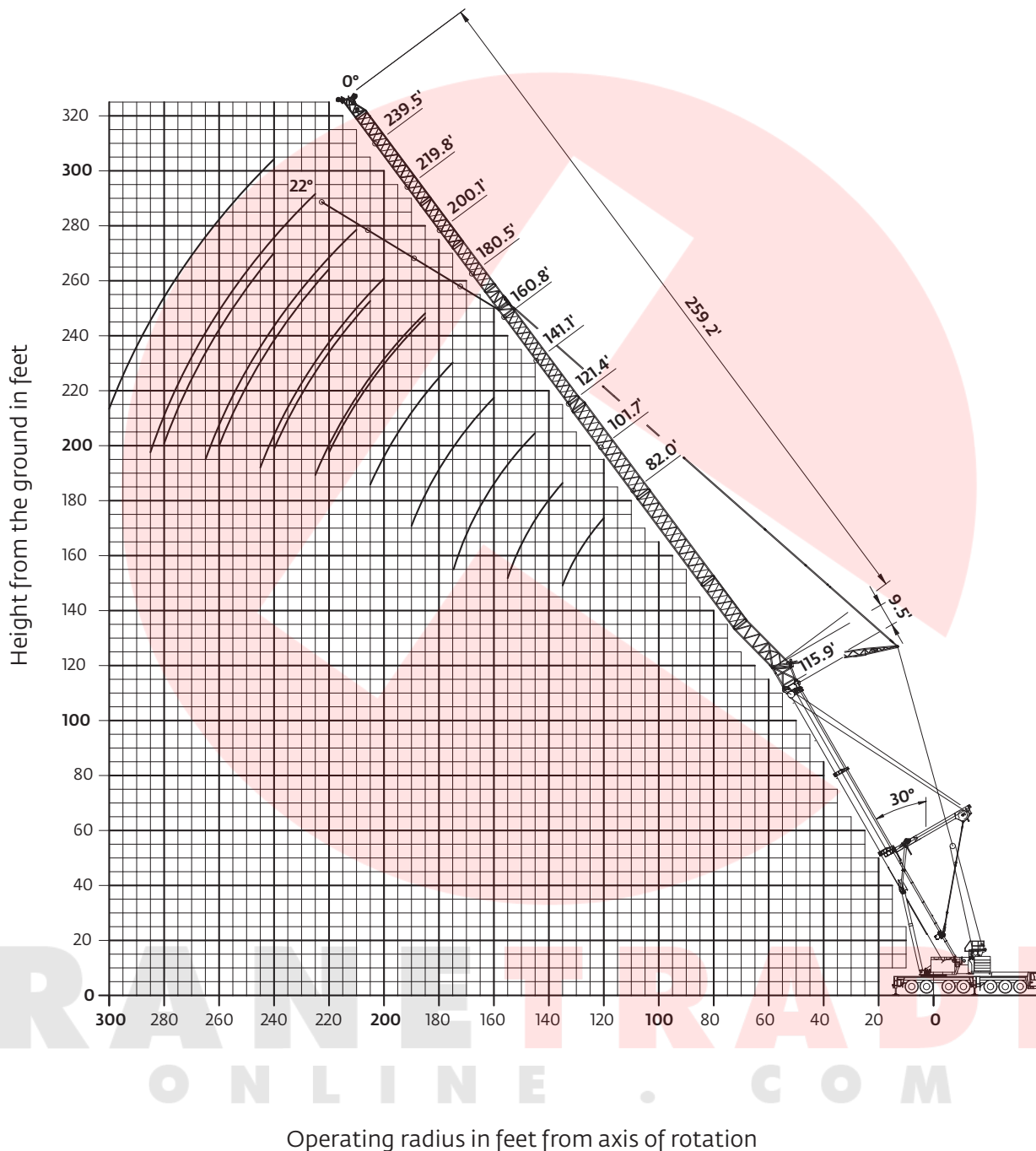




Working range

With MegaWingLift

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

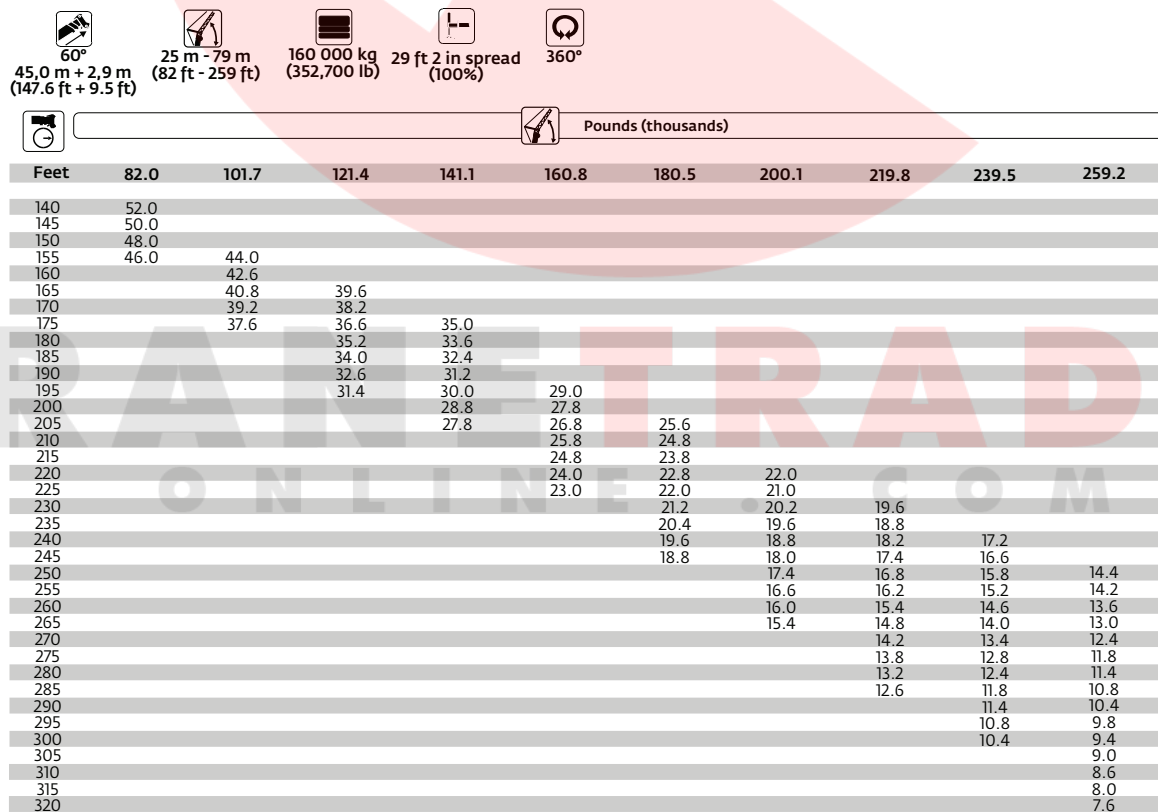
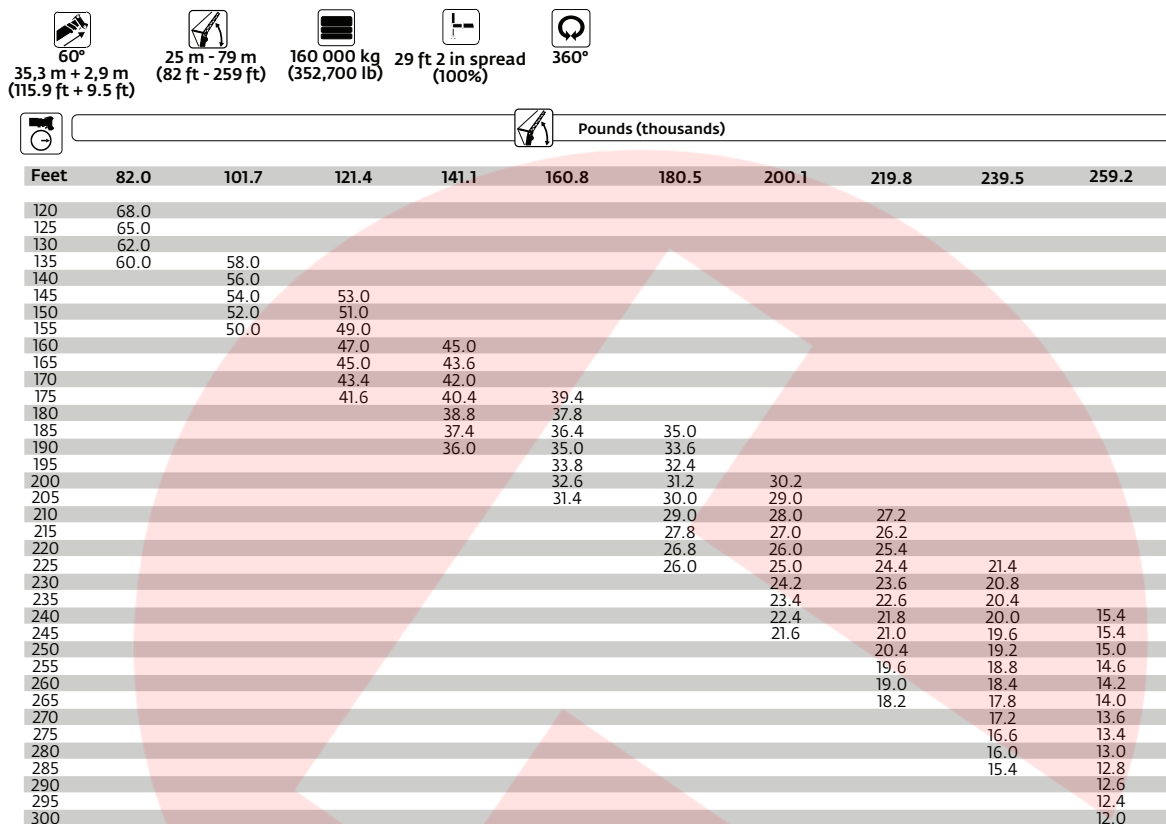


Hook heights shown in the working diagram do not consider loaded boom deflection.



Load charts

With MegaWingLift

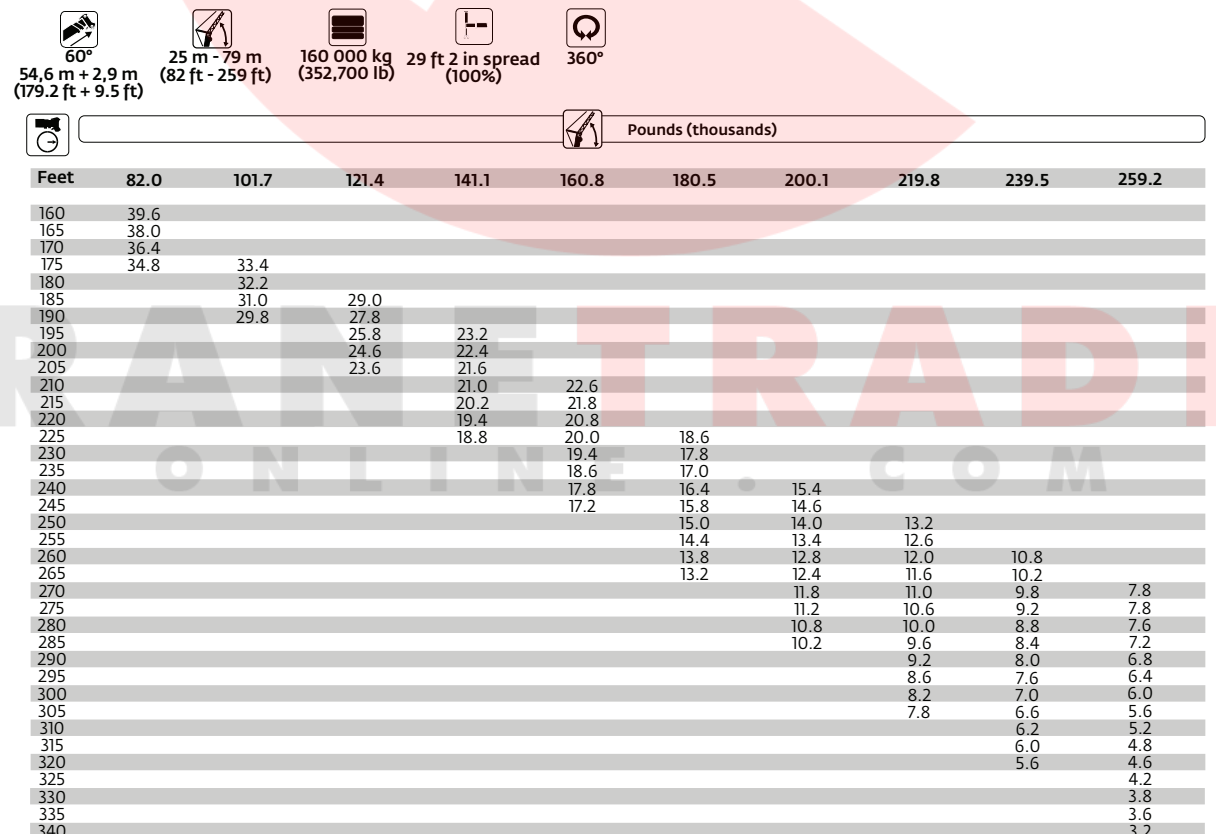
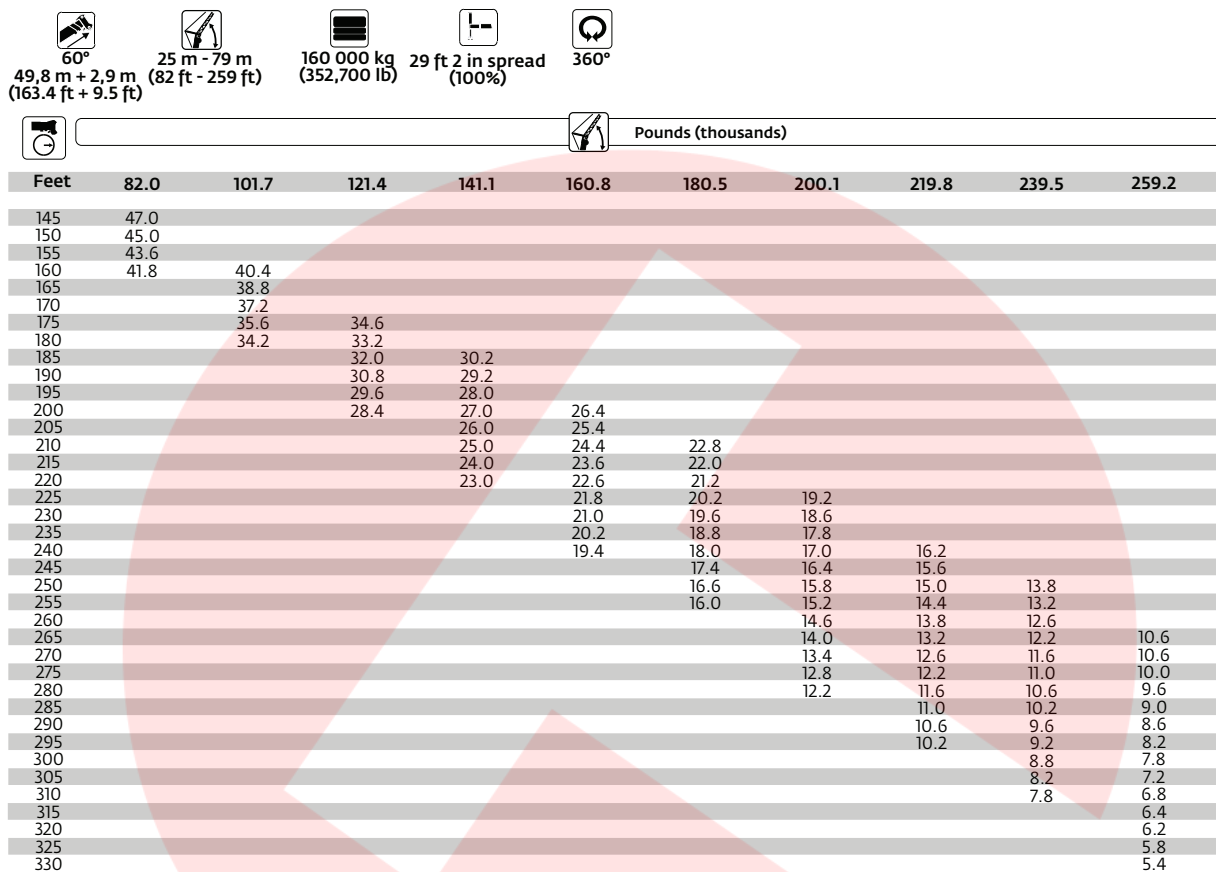


THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.



Load charts

With MegaWingLift

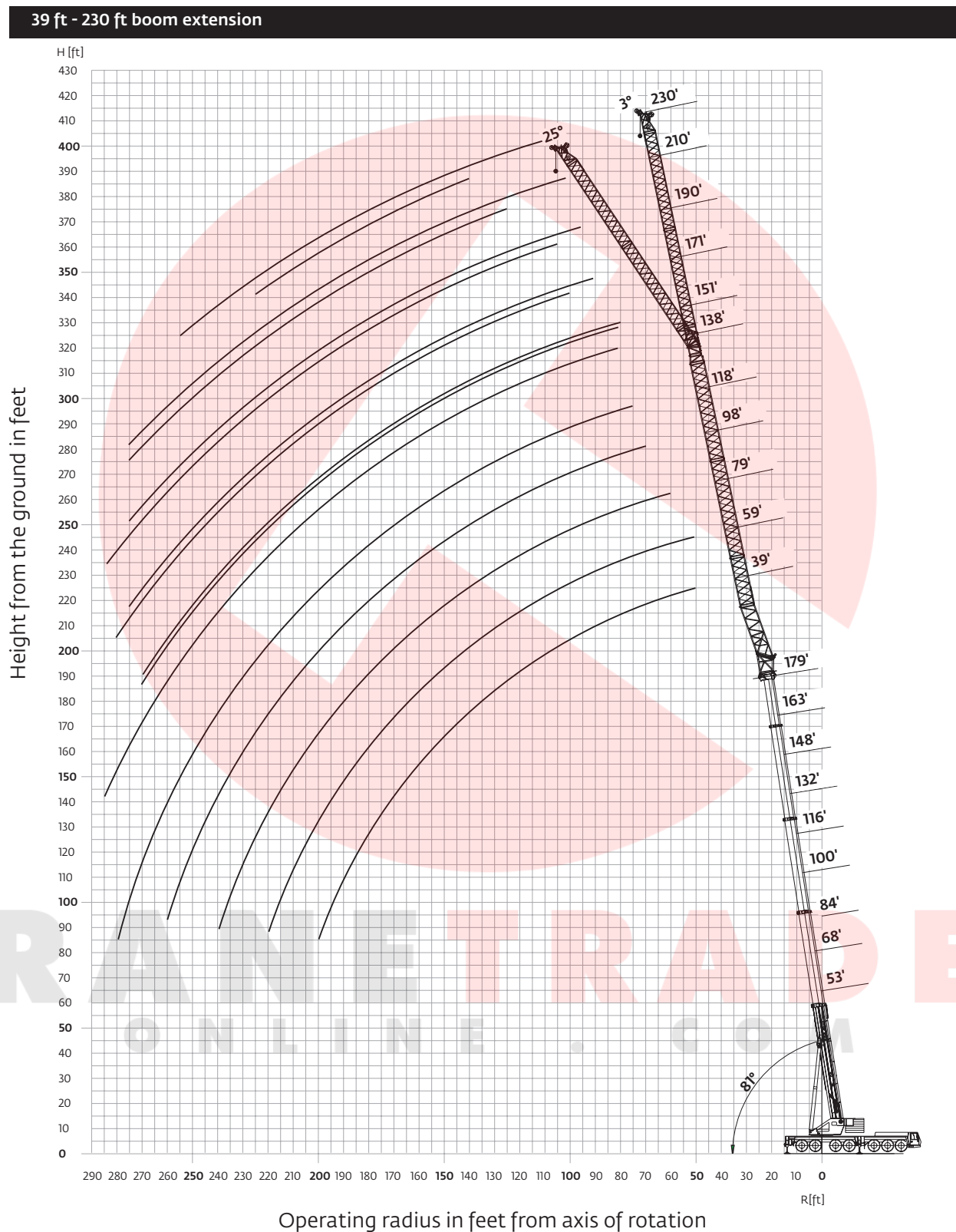


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Working range





Load chart

 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%)

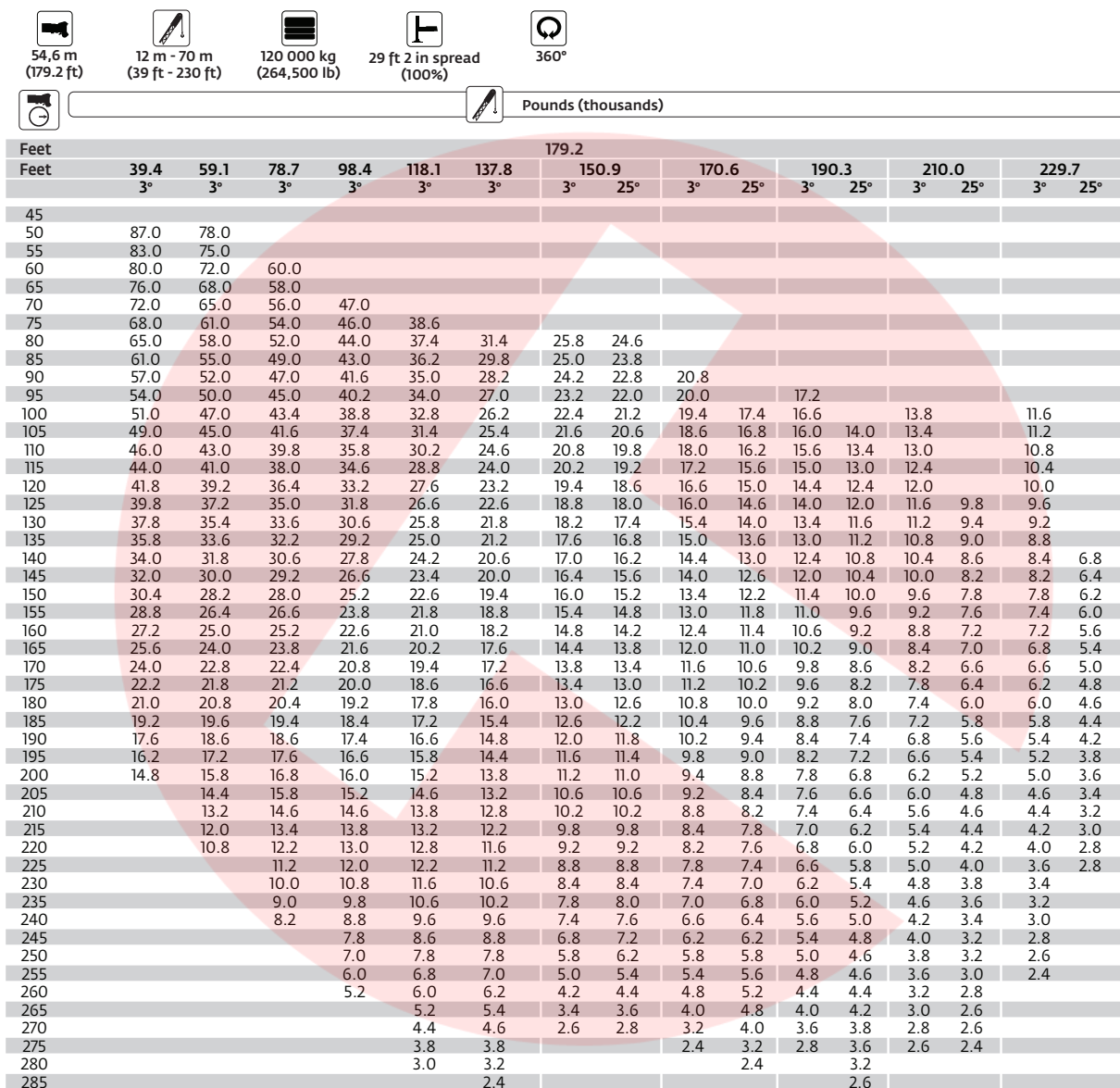
 360°

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°	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			
100	54.0	51.0	46.0	37.8	33.4	26.8	23.0	21.8	19.8	17.8	17.4	15.0	14.8
105	52.0	49.0	45.0	36.6	32.2	25.8	22.0	21.0	19.2	17.2	16.8	14.4	14.2
110	49.0	46.0	43.0	35.2	31.2	25.0	21.2	20.2	18.4	16.4	16.0	13.8	13.6
115	46.0	44.0	41.4	34.0	30.0	24.2	20.4	19.4	17.6	15.8	15.4	13.2	13.2
120	43.6	41.8	39.6	32.8	28.8	23.4	19.6	18.8	17.0	15.2	14.8	12.8	12.6
125	41.0	39.8	37.8	31.6	27.6	22.4	18.8	18.0	16.2	14.6	14.2	12.2	12.0
130	38.6	38.0	36.0	30.4	26.4	21.8	18.2	17.4	15.6	14.2	13.6	11.8	11.6
135	36.6	36.0	34.2	29.2	25.2	21.2	17.6	16.8	15.0	13.6	13.0	11.2	11.0
140	34.6	34.2	32.6	28.0	24.2	20.4	17.0	16.2	14.4	13.2	12.4	10.8	10.6
145	32.6	32.4	30.8	26.8	23.6	19.8	16.4	15.6	14.0	12.6	12.0	10.4	10.2
150	30.6	30.6	29.0	25.8	23.0	19.2	15.8	15.2	13.4	12.2	11.6	10.0	9.6
155	28.6	29.0	27.4	25.0	22.4	18.6	15.2	14.6	13.0	11.8	11.0	9.6	9.2
160	26.6	27.4	25.6	24.0	21.6	18.2	14.8	14.0	12.4	11.4	10.6	9.2	8.8
165	25.0	26.0	24.4	23.2	21.0	17.6	14.2	13.6	12.0	11.0	10.2	8.8	8.4
170	23.0	24.4	23.4	22.2	20.4	17.2	13.8	13.2	11.6	10.6	9.8	8.6	8.0
175	21.2	22.8	22.4	21.2	19.8	16.6	13.4	12.8	11.2	10.2	9.4	8.2	7.8
180	19.4	21.2	21.4	20.4	19.2	16.2	12.8	12.4	10.8	9.8	9.0	8.0	7.4
185	17.8	19.6	20.2	19.6	18.4	15.8	12.4	12.0	10.4	9.6	8.6	7.6	7.0
190	16.4	18.0	19.2	18.6	17.8	15.4	12.0	11.6	10.0	9.2	8.4	7.2	6.8
195	16.4	18.2	17.8	17.2	15.0	15.0	11.6	11.2	9.6	8.8	8.0	7.0	6.4
200	15.0	16.8	17.0	16.6	14.6	14.6	11.4	11.0	9.2	8.6	7.8	6.8	6.0
205	13.8	15.4	16.0	15.8	14.2	14.2	11.0	10.6	9.0	8.2	7.4	6.6	5.8
210		14.2	15.2	15.0	13.8	13.8	10.6	10.2	8.6	8.0	7.2	6.2	5.6
215		12.8	13.8	14.4	13.4	13.4	10.2	10.0	8.4	7.8	6.8	6.0	5.4
220		11.8	12.6	13.6	12.8	12.8	10.0	9.6	8.0	7.4	6.6	5.8	5.0
225		10.6	11.6	12.4	12.2	12.2	9.6	9.2	7.8	7.2	6.2	5.6	4.8
230			10.4	11.4	11.6	11.6	9.0	8.8	7.4	7.0	6.0	5.4	4.6
235			9.4	10.4	10.6	10.6	8.6	8.4	7.2	6.8	5.8	5.2	4.2
240			8.4	9.4	9.6	9.6	7.6	8.0	6.8	6.4	5.6	5.0	4.0
245				8.4	8.6	8.6	6.8	7.2	6.6	6.2	5.4	4.8	3.8
250				7.4	7.8	7.8	5.8	6.2	6.2	6.0	5.2	4.6	3.6
255				6.6	7.0	7.0	5.0	5.2	5.6	5.8	4.8	4.4	3.4
260				5.8	6.0	6.0	4.0	4.4	4.8	5.4	4.6	4.2	3.2
265					5.2	5.2	3.2	3.6	4.0	4.8	4.4	3.8	2.6
270					4.4	4.4	2.6	2.8	3.2	4.0	3.8	3.6	3.0
275					3.8	3.8			2.4	3.2	3.0	3.4	2.8
280					3.0	3.0				2.4	2.2	3.2	2.4
285											2.6		

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Load chart



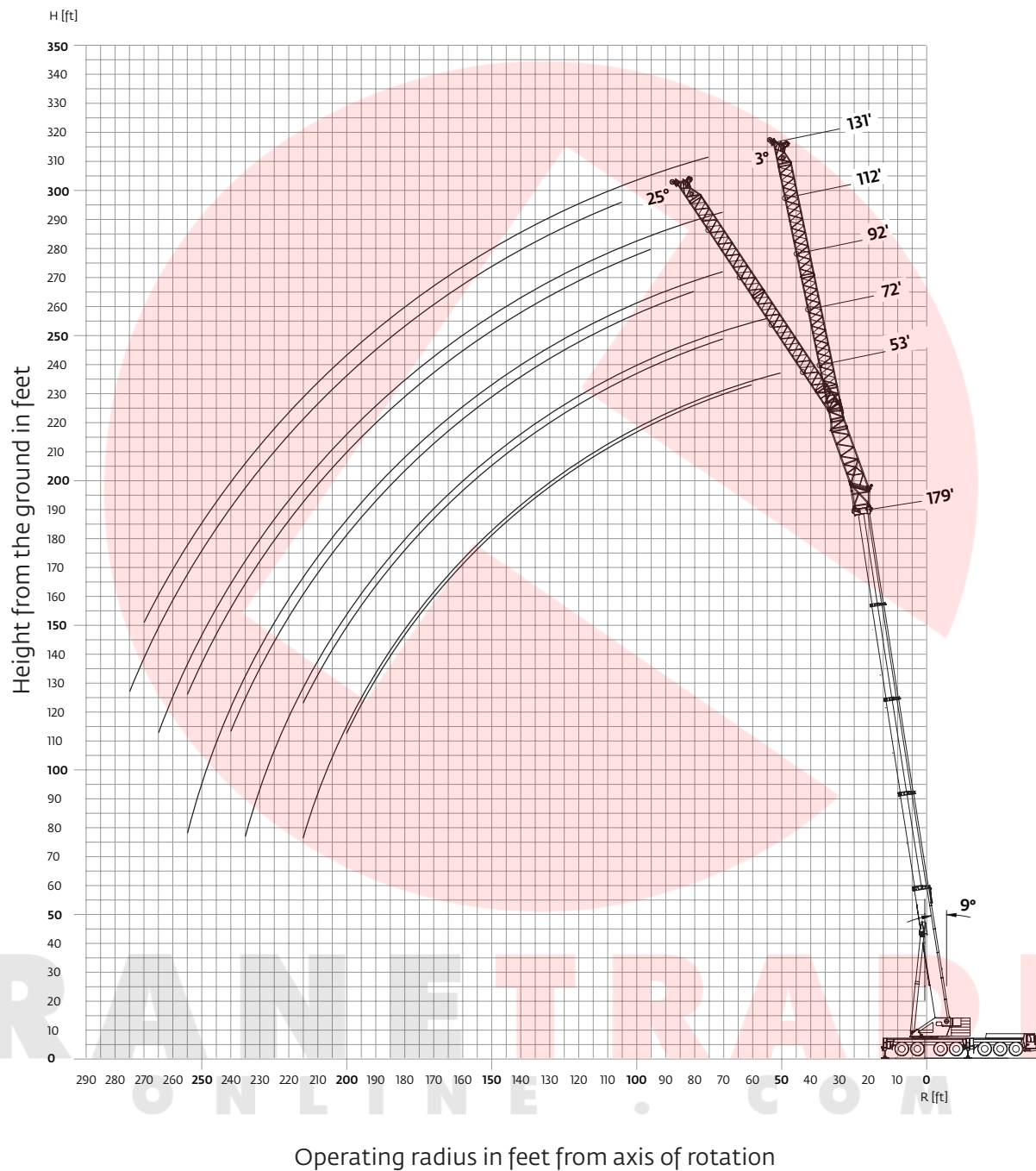
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

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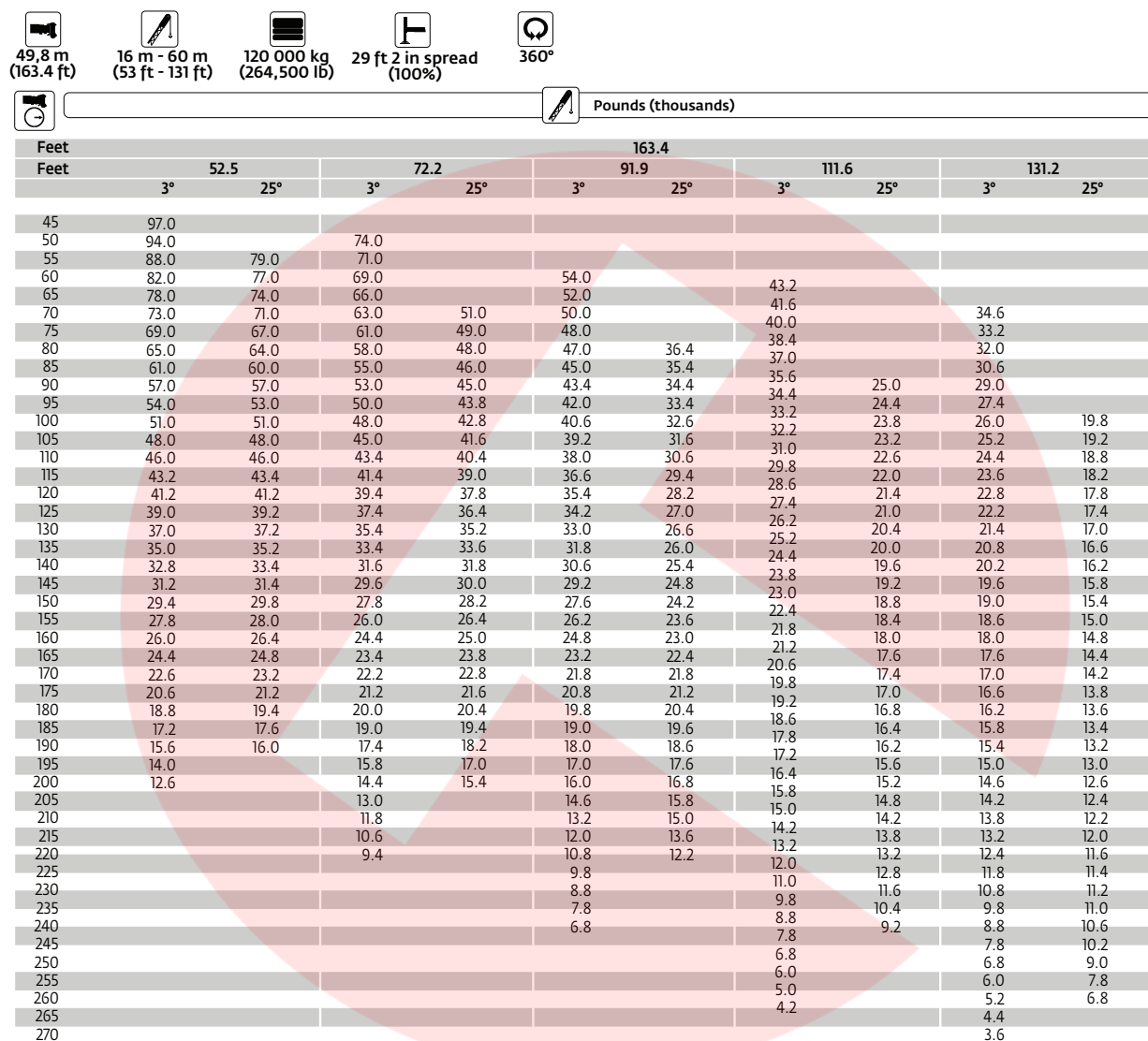
Working range

53 ft - 131 ft boom extension





Load chart



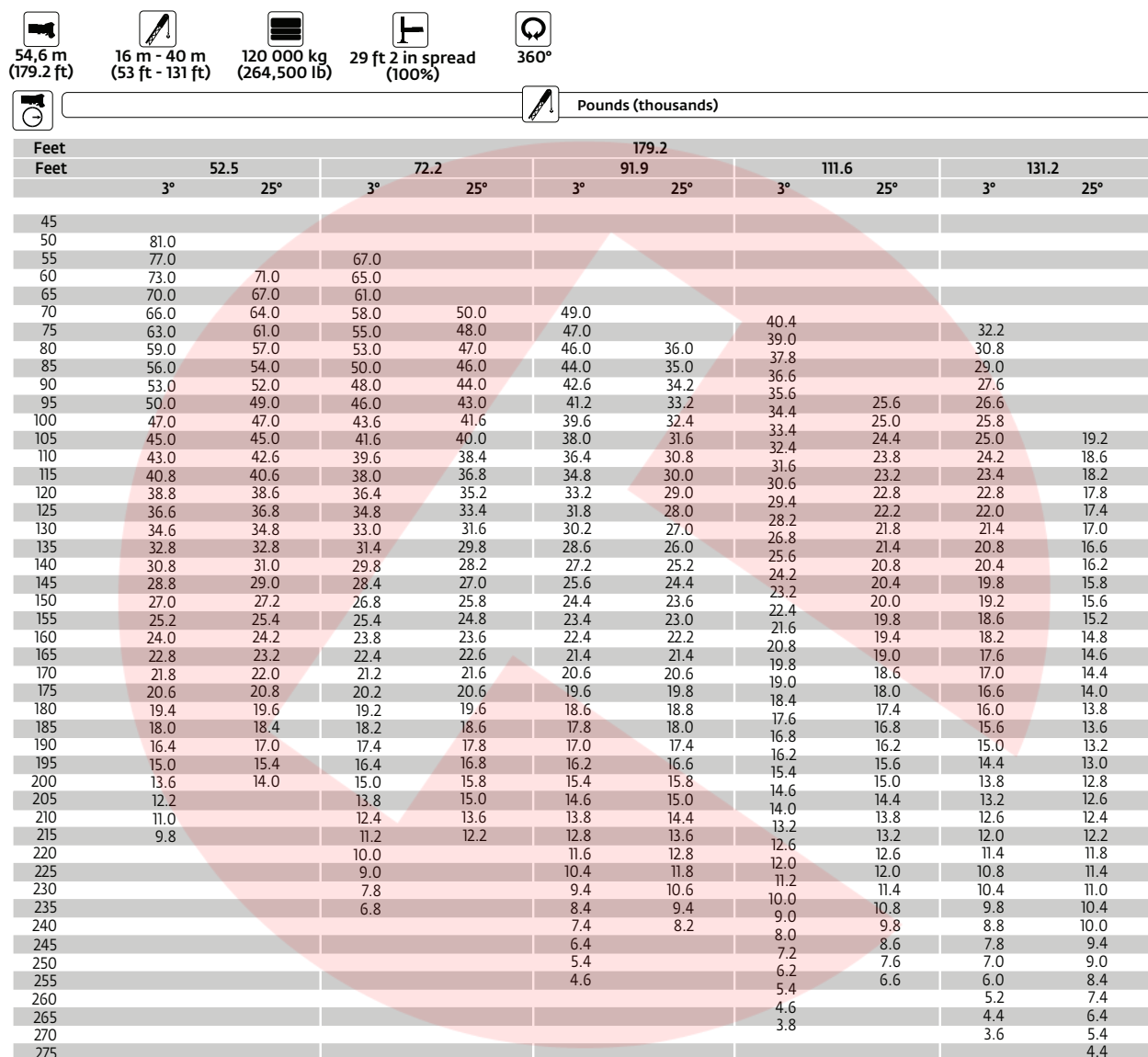
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Load chart



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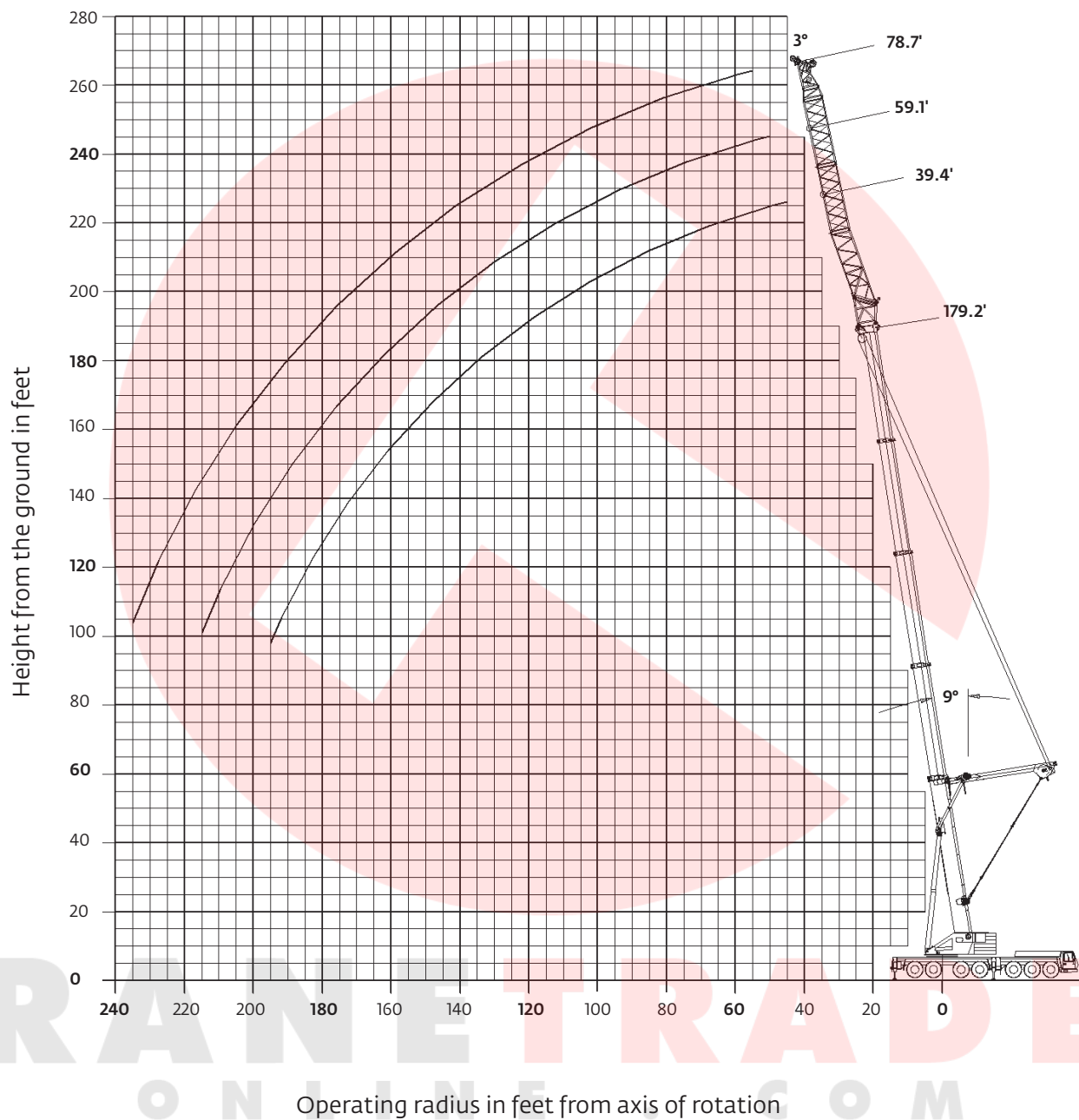
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Working range

With MegaWingLift

39 ft - 79 ft boom extension with MegaWingLift

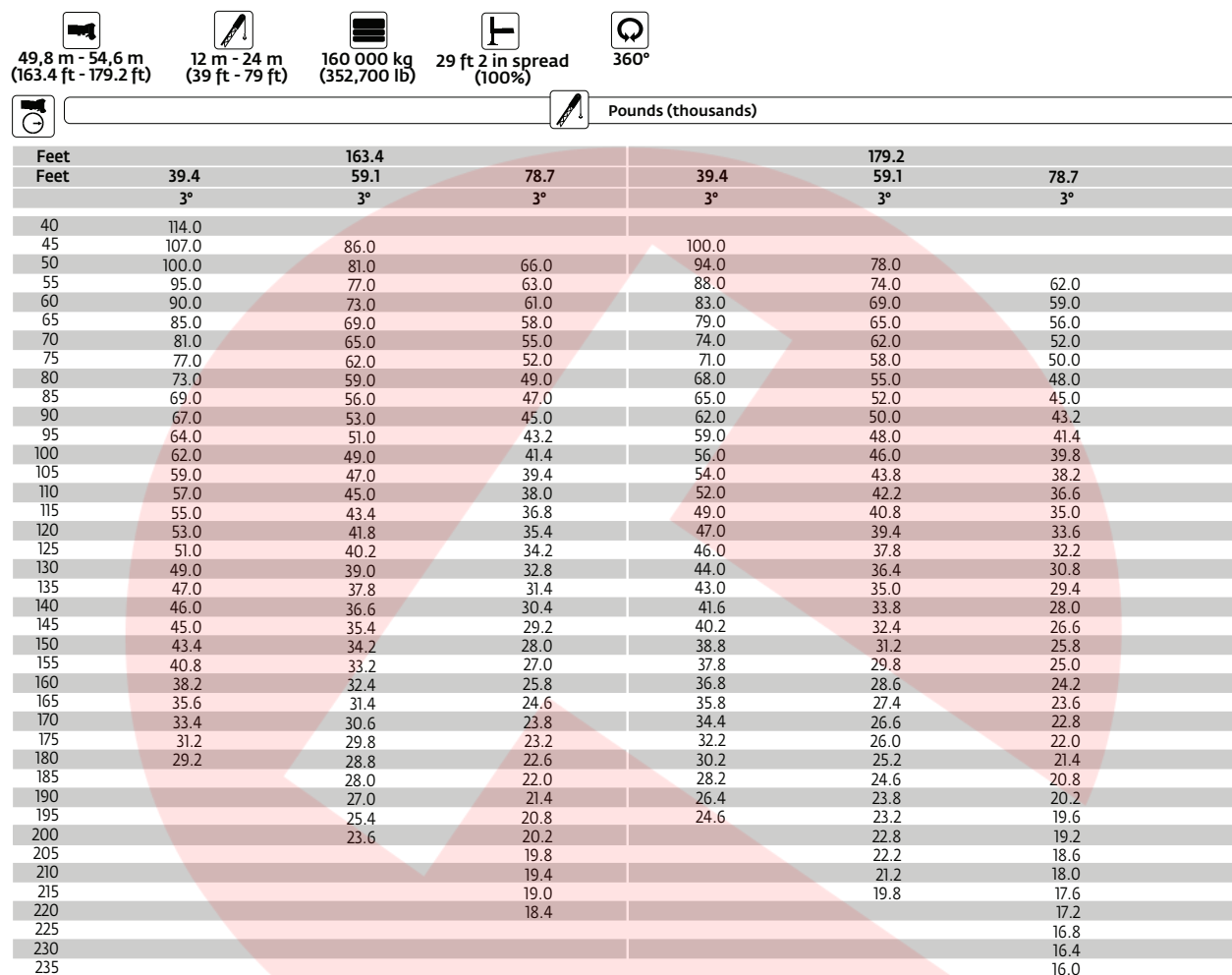


Hook heights shown in the working diagram do not consider loaded boom deflection.



Load chart

With MegaWingLift



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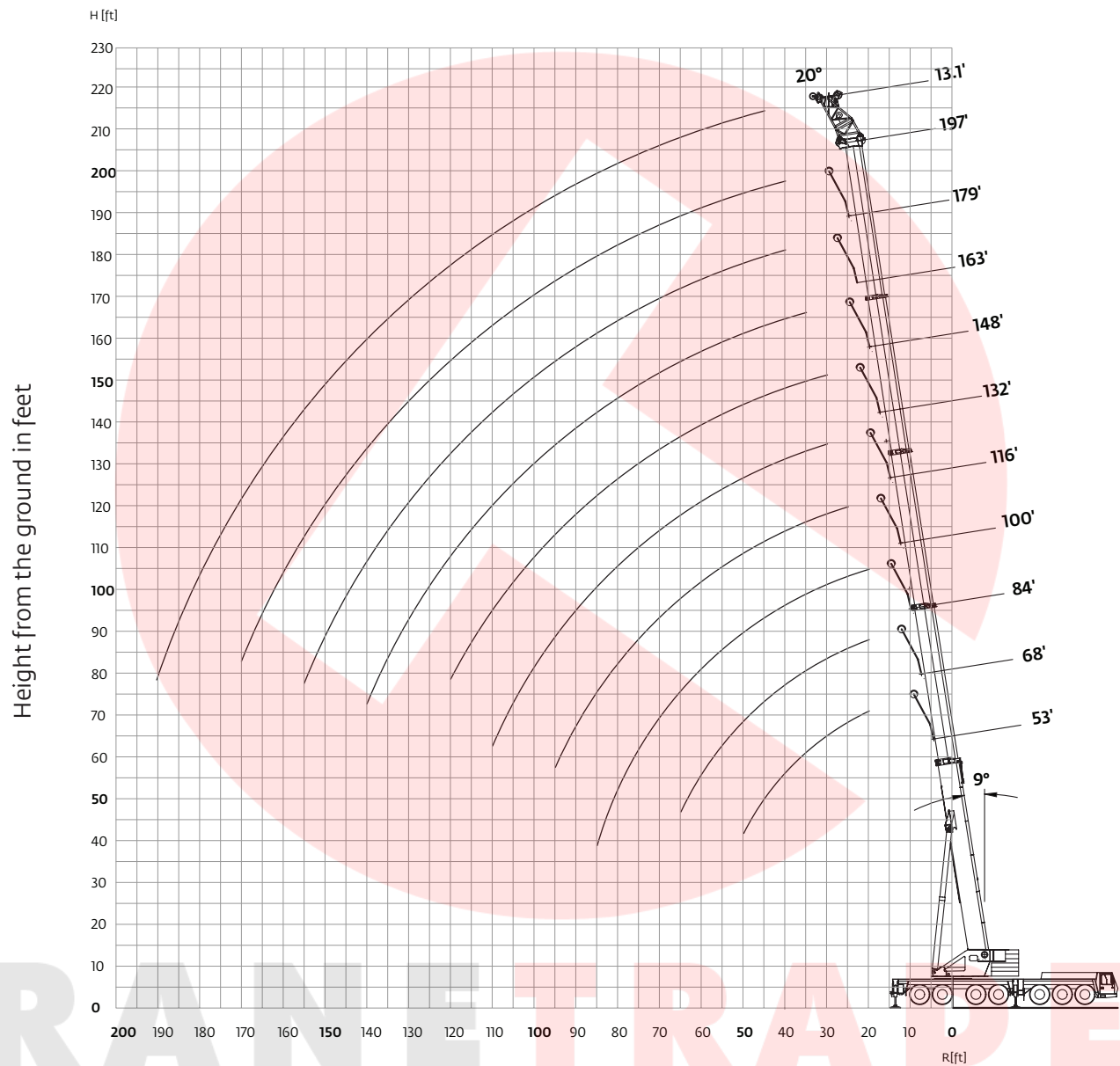
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Working range

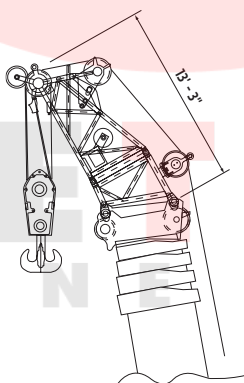
13 ft heavy duty jib





Load chart

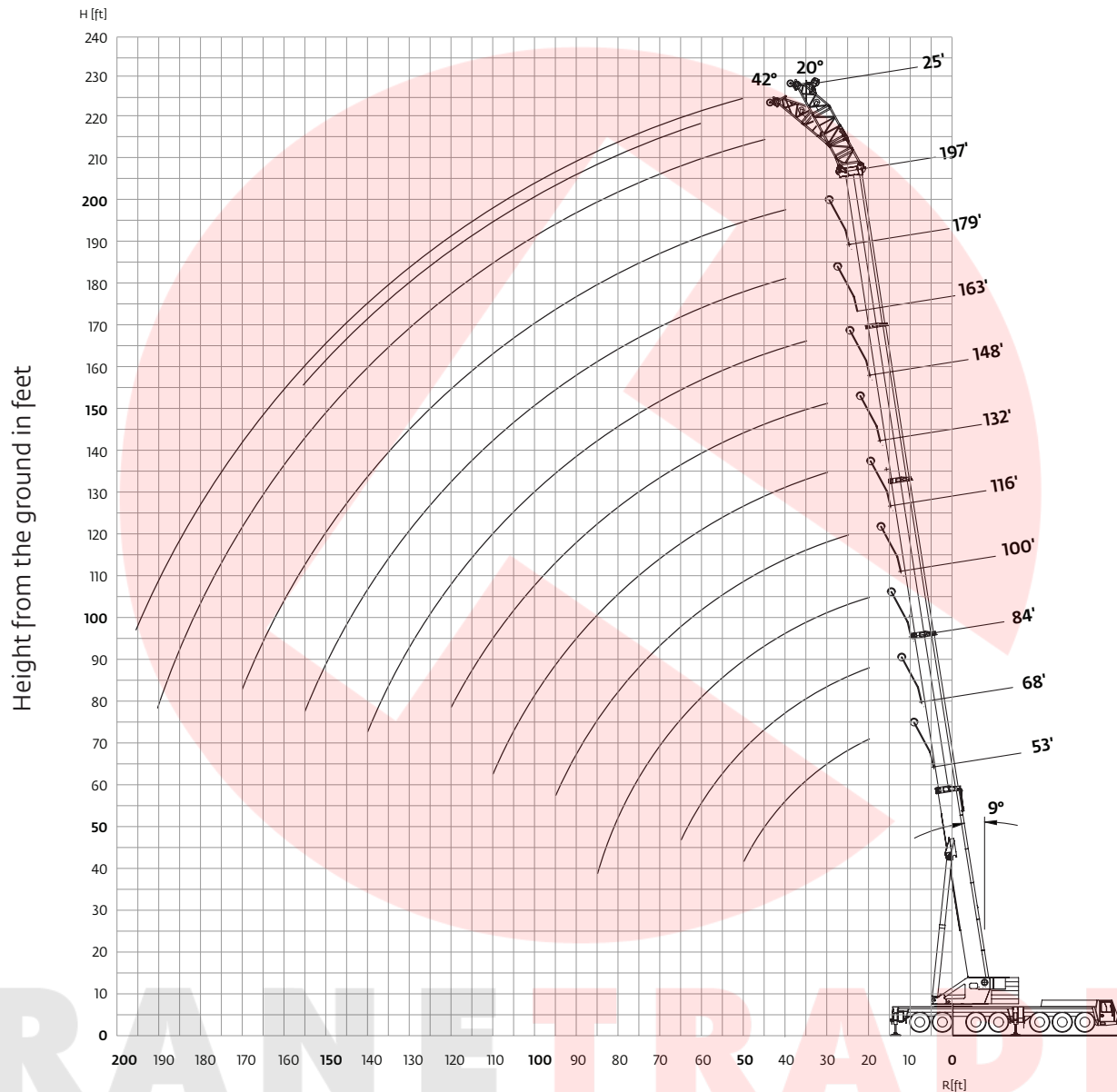
										
16,0 m - 60 m (53 ft - 197 ft)	4 m (13.1 ft)	120 000 kg (264,500 lb)	29 ft 2 in spread (100%)	360°						
	 Pounds (thousands)									
Feet	52.6	68.4	84.3	100.1	115.9	131.7	147.6	163.4	179.2	196.9
20	190.0	190.0	190.0							
25	190.0	190.0	190.0	190.0						
30	190.0	190.0	190.0	190.0	190.0	190.0				
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	60.0
100					66.0	68.0	64.0	62.0	60.0	56.0
105					60.0	62.0	61.0	58.0	57.0	53.0
110					55.0	57.0	58.0	55.0	54.0	49.0
115						52.0	54.0	52.0	51.0	47.0
120						48.0	50.0	49.0	48.0	45.0
125							46.0	47.0	45.0	42.6
130							42.2	45.0	43.4	40.4
135							39.0	41.2	41.4	38.2
140							36.0	38.2	39.4	36.2
145								35.4	37.4	34.4
150								32.8	34.8	32.8
155								30.4	32.4	31.0
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





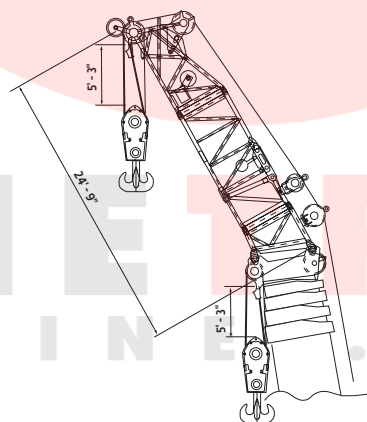
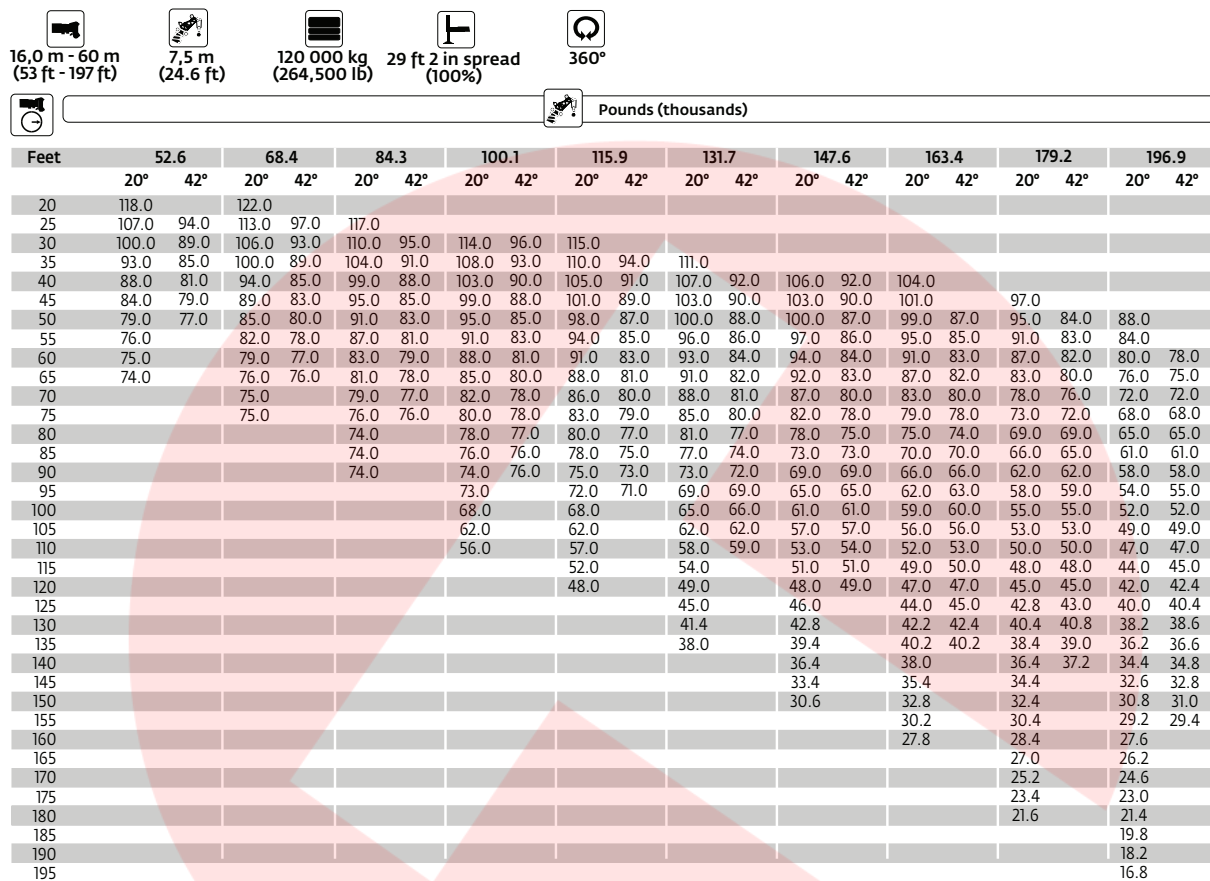
Working range

25 ft heavy duty jib





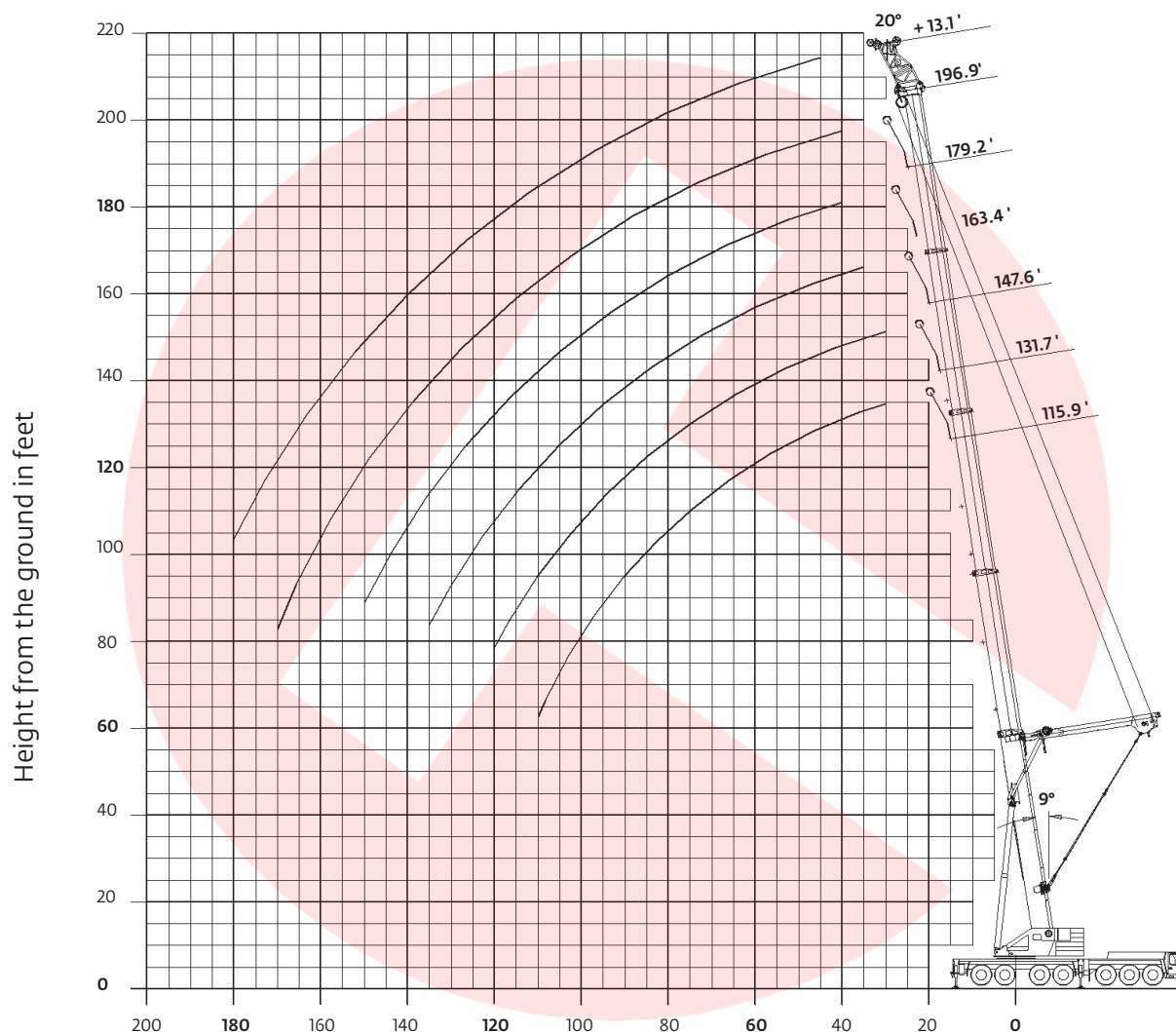
Load chart





Working range With MegaWingLift

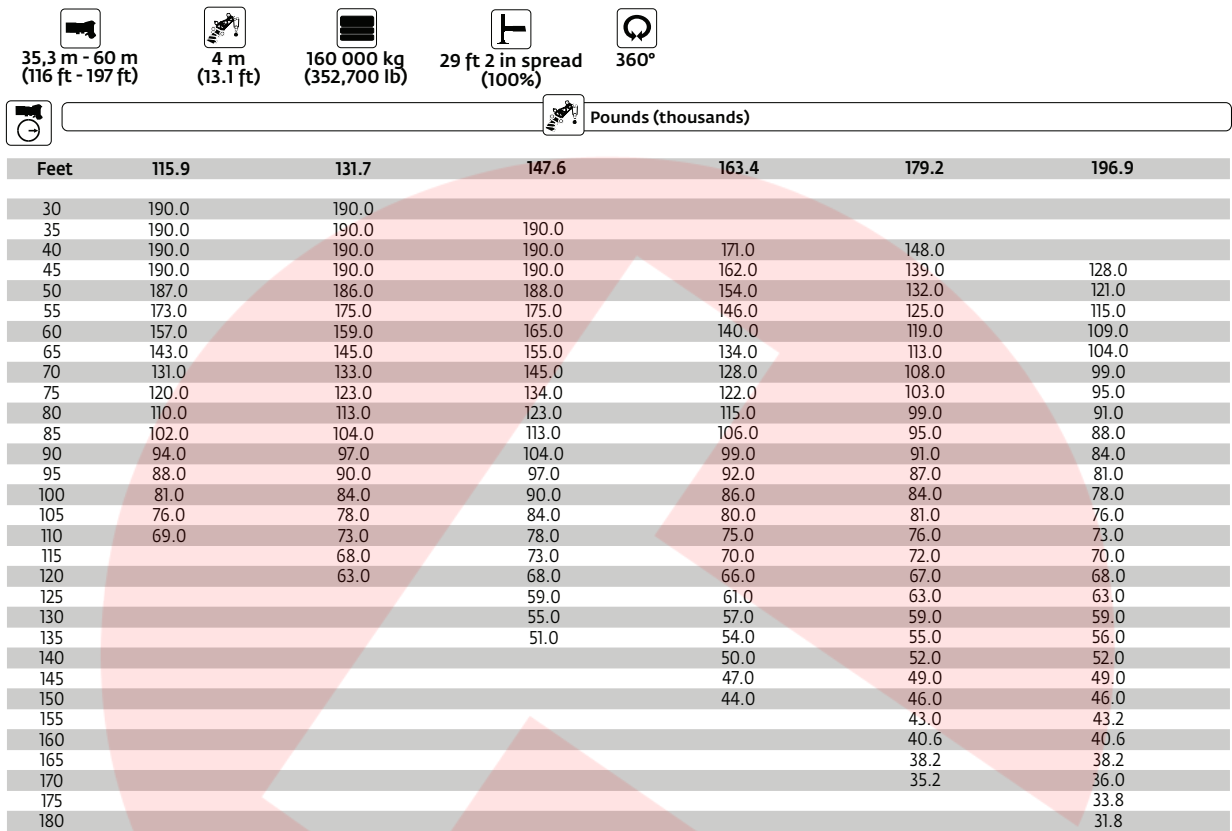
13 ft heavy duty jib with MegaWingLift



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

Load chart

With MegaWingLift

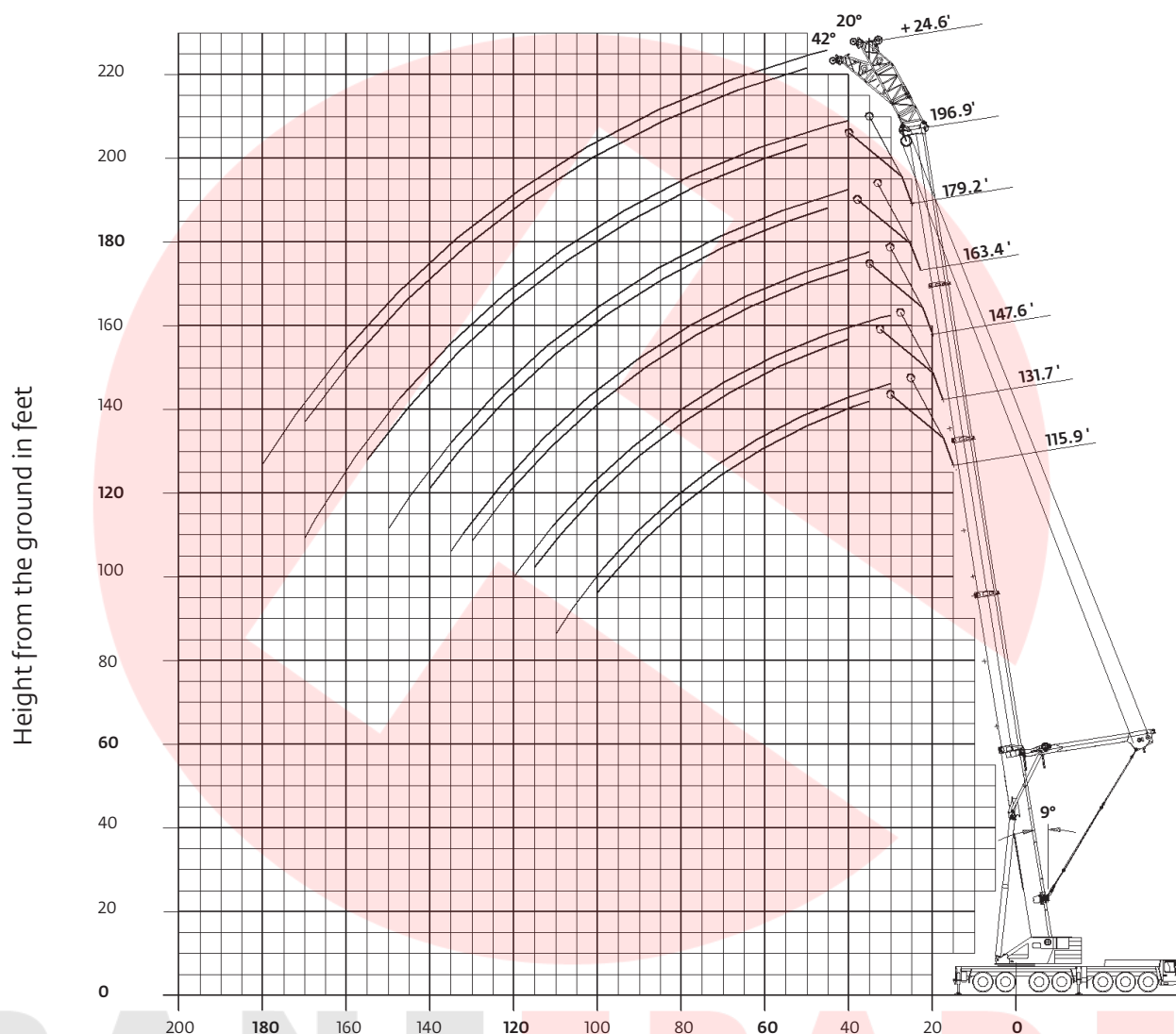


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Working range With MegaWingLift

25 ft heavy duty jib with MegaWingLift



Operating radius in feet from axis of rotation

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



Load chart

With MegaWingLift

 35,3 m - 60,0 m
(116 ft - 197 ft)
  7,5 m
(24.6 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	
	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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Symbols glossary

	Axles		Counterweight		Grade		Gear
	Boom		Drive		Heavy duty jib		Radius
	Boom elevation		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

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Baltar

Russia

Moscow

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Dubai

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Brazil

Alphaville

China

TaiAn

Zhangjiagang

France

Charlieu

La Clayette

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