GUAY

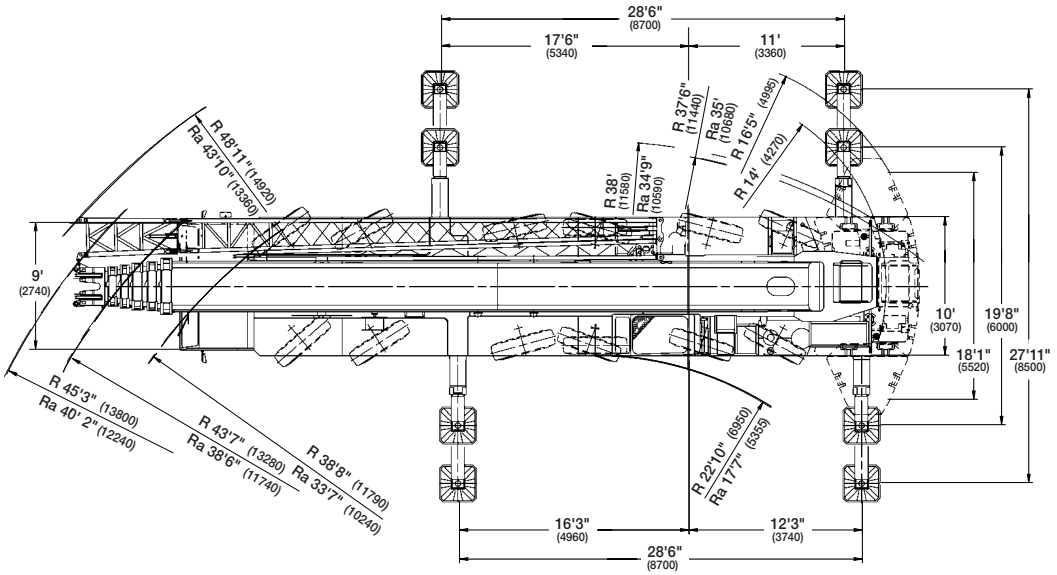
GROVE®

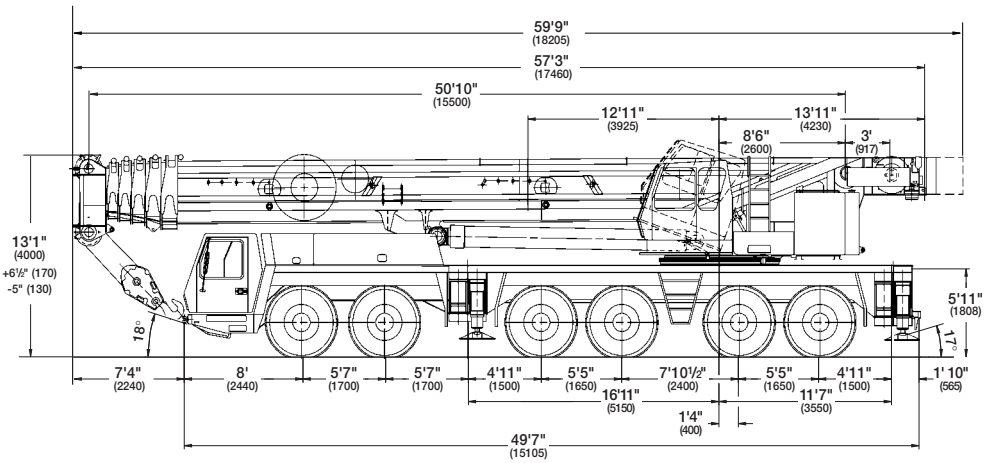
GMK6250-L



ALL TERRAIN HYDRAULIC CRANE

Dimensions





Note: ( ) Reference dimensions in mm

BASIC WEIGHTS (LBS.)	**Axles 1& 2**	**Axles 3 - 6**	**Total**
With Cummins Power, 20.5 R25 Tires (12x6x12)	46,305	101,775	148,080
With Mercedes Power, 20.5 R25 Tires (12x6x12)	47,140	98,294	145,434
Additions:			
Outrigger Pads	0	772	772
Auxiliary Hoist	-(2,892)	6,618	3,726
Additional Hydraulic Oil Cooler (Standard)	-(55)	143	88
Brackets & Hydraulic Reeling Drum for Lattice Extension	485	22	507
Lattice Extension - 43/72 ft	6,997	-(1,530)	5,467
Spare Tire - 14.00 R25	-(425)	1,010	584
Spare Tire - 16.00 R25	-(522)	1,239	717
Spare Tire - 20.5 R25	-(593)	1,402	809
Boom Removal Equipment (Standard)	53	212	265
12x8x12 drive	966	-(106)	860
Removal:			
Front Outrigger Beams & Jacks	-(3,377)	-(1,980)	-(5,357)
Rear Outrigger Beams & Jacks	3,732	-(9,652)	-(5,919)
Boom Assembly (minus lift cylinder)*	-(29,972)	-(20,889)	-(50,861)
Lift Cylinder*	-(1,457)	-(3,018)	-(4,475)
16.00 R25 Tires in lieu	-(370)	-(741)	-(1,111)
14.00 R25 Tires in lieu	-(899)	-(1,799)	-(2,698)
Rear Outrigger Box (Cummins only)	6,753	-(17,555)	-(10,802)

*Reflects weights with superstructure facing forward

Working Range



51 - 236 ft.
(15.5 - 72 m)



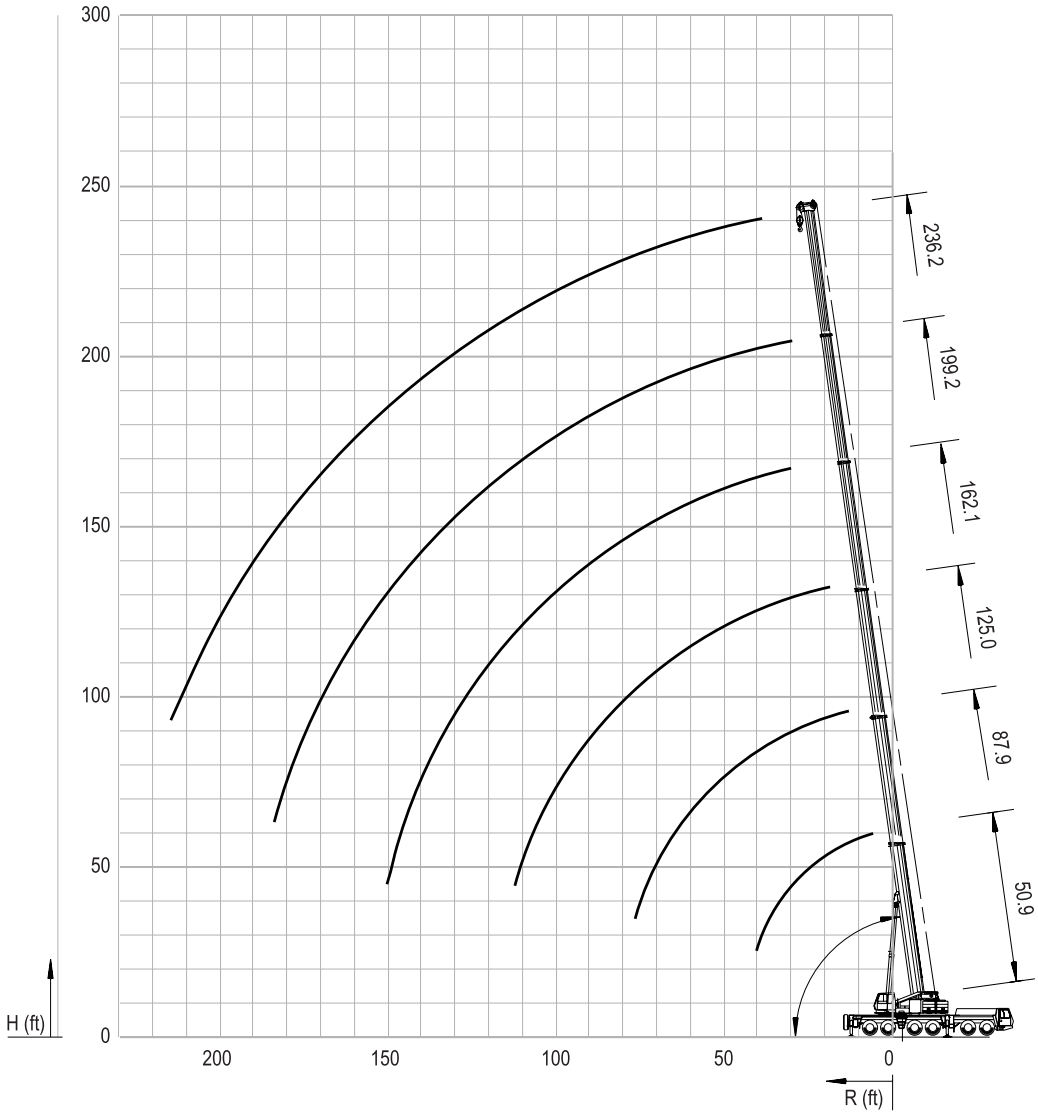
154,300 lbs.
(70MT)



100%



360°



Superstructure Specifications

Boom
51 ft. - 236 ft. (15.5 m - 72 m) six section, full-power boom with patented TWIN-LOCK™ boom pinning system. Maximum tip height: 246 ft. (75 m)

Boom Elevation
Single lift cylinder with safety valve provides boom angle from -1.5° to +82°.

Lattice Extension
43 ft. - 72 ft. (13 m - 22 m) lattice swingaway extension. Hydraulically offsettable 5° - 40° with hydraulic luffing.

*Optional Lattice Jib Extension
Two 26 ft. (8 m) inserts for use with lattice swingaway extension to increase length up to 98 ft. (30 m) or 125 ft. (38 m).

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

Cab
All aluminum construction cab is tiltable (approximately 20°) and includes safety glass and adjustable operator's seat with hydraulic suspension. Other features include engine dependent hot water heater, armrest integrated crane controls, and ergonomically arranged instrumentation.

Swing
Three swing gears with axial piston fixed displacement motors provide swing speed of 0 - 1.7 RPM thru planetary gear box. Also provided is a spring applied, hydraulically released automatic swing brake with foot-operated release for free swing.

Counterweight
154,300 lbs. (70 000 kg) consisting of various sections with hydraulic installation/removal system (See counterweight configuration on page 12).

Engine
Cummins 6BTA5.9-C, diesel, 6 cylinders, water-cooled, turbocharged, 165 HP (123 kW) at 2000 rpm. Max. torque: 538 ft. lbs. (730 Nm) at 1500 rpm. Engine emission: EUROMOT/EPA/CARB (off highway)

Fuel Tank Capacity
53 gal. (200 L)

Hydraulic System
Three separate circuits, 2 axial piston variable displacement pumps, with electronic power limiting control and 1 axial piston variable displacement pump for swing. Standard thermostatically controlled oil cooler keeps oil at optimum operating temperature.
Tank capacity: 259 gal. (980 L)

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.

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:	984 ft. (300 m)	755 ft. (230 m)
Rope diameter:	22 mm	22 mm
Line speed:	426 ft./min.	426 ft./min.
Line pull:	21,000 lbs. (93.4 kN)	21,000 lbs. (93.4 kN)

Electrical System
24 V system with three-phase alternator 28 V/80 A, 2 batteries 12 V/170 Ah.

*Optional Equipment
*Engine-independent hot water heater, with engine pre-heater
*Second spotlight
*Stereo/cassette player
*Air conditioning
*Mercedes-Benz engines
*Stainless steel exhaust system

** Denotes optional equipment*

Carrier Specifications

Chassis
Box-type, 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%) - 27 ft. 11 in. (8.5 m)
Partially extended (50%) - 19 ft. 8 in. (6 m)

Four 29.5 in. x 32 in. (750 mm x 810 mm), self stowing, steel outrigger pads provide rigid lifting base. Outrigger controls are located on both sides of the carrier. An electronic level indicator is located next to each outrigger control box.

Engine
Cummins N14-525 E+, diesel, 6 cylinders, water-cooled, turbocharged, 525 HP (392 kW) at 1800 rpm
Max. torque: 1850 ft. lbs. (2509 Nm) at 1200 rpm
Engine emission: EUROMOT/EPA/CARB (on highway)

Fuel Tank Capacity
132 gal. (500 L)

Transmission
Allison automatic CLT 755, 5 forward and 1 reverse speed. Transfer case with 2 speeds and inter-axle differential lock.

Drive/Steer
12 x 6 x 12
*12 x 8 x 12

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

Suspension
GMK6250-L features the Grove exclusive MEGATRAK™ suspension. This revolutionary design features an independent hydropneumatic system with hydraulic lockout acting on all wheels. The suspension can be raised 6-1/2 in. (170 mm) or lowered 5 in. (130 mm) both longitudinally and transversely and features an automatic leveling system for on-highway travel.

Tires
12 tires, 20.5 R25

Steering
Dual circuit steering system is hydraulic power assisted with a transfer case mounted, ground driven, emergency steering pump. Axles 1, 2, 3, 5 and 6 steer on highway. Separate steering of the 4th, 5th and 6th axle for all wheel steer and crab-steer is 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 6. An air dryer is fitted to remove moisture from the air system.
Auxiliary exhaust brake and constant throttle brake is standard.

Cab
Two-man, aluminum construction driver's cab includes the following features: safety glass; driver and passenger seats with hydraulic suspension, engine-dependent hot water heater, 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
48 mph (77km/h) with 20.5 R25 tires

Gradeability (Theoretical)
46% with 20.5 R25 tires

Miscellaneous Standard Equipment
Boom removal kit; trailing boom kit (less dolly); additional hydraulic oil cooler; spare tire and wheel - 20.5 R25 with carry bracket; flashing amber warning light on carrier cab; working light; tool kit; fire extinguisher; rooster sheave; radio cassette in carrier cab.

* Optional Equipment
* Electric driveline retarder
* 16.00 R25 tires (vehicle width 9 ft. 10 in. [3 m])
* 14.00 R25 tires (vehicle width 9 ft. 9 in. [2.98 m])
* Outrigger pressure measurement devices
* Folding bunk bed in carrier cab
* Engine-independent hot water heater, with engine pre-heater
* Trailing boom "boost" weight transfer kit
* Air conditioning
* Mercedes-Benz engines

** Denotes optional equipment*


51 - 236 ft.
(15.5 - 72 m)


154,300 lbs.
(70MT)


100%
27'11" Spread


360°





Pounds (thousands)

Feet	50.9	69.4	87.9	106.5	125.0	143.5	162.1	180.6	199.2	217.7	236.2
8	*500.0										
10	382.0	308.0									
15	288.0	272.0	208.0								
20	238.0	228.0	208.0	157.0	120.0						
25	200.0	196.0	188.0	157.0	120.0	93.0					
30	169.0	171.0	163.0	150.0	120.0	93.0	69.0	52.0			
35	140.0	147.0	143.0	139.0	118.0	93.0	69.0	52.0			
40		124.0	121.0	123.0	111.0	89.0	69.0	53.0	39.6	30.8	
45		107.0	104.0	106.0	103.0	84.0	65.0	52.0	39.6	30.8	
50		94.0	90.0	92.0	94.0	79.0	61.0	52.0	39.6	30.8	26.4
55		81.0	79.0	81.0	83.0	75.0	58.0	50.0	39.6	30.8	26.4
60			70.0	75.0	74.0	71.0	54.0	47.0	39.6	30.8	26.4
65			62.0	68.0	67.0	67.0	50.0	43.8	39.2	30.8	26.4
70			56.0	62.0	60.0	62.0	47.0	41.4	37.2	30.8	26.4
75				56.0	55.0	57.0	44.0	39.0	35.4	30.8	26.4
80				51.0	52.0	52.0	41.2	36.6	33.4	30.8	26.4
85				47.0	48.0	47.0	38.2	34.2	31.6	29.4	26.4
90				43.2	45.0	43.6	36.0	32.4	29.8	28.0	26.0
95					42.0	40.2	34.0	30.4	28.2	26.6	25.2
100					39.0	37.2	32.6	28.4	26.6	25.4	24.2
105					36.4	34.6	31.4	26.4	25.0	24.0	22.8
110					31.8	32.0	30.2	24.6	23.6	22.6	21.4
115						29.8	29.0	22.6	22.0	21.2	20.0
120						27.8	28.0	21.0	20.6	19.8	18.8
125						26.0	27.0	20.0	19.0	18.4	18.0
130						23.4	25.8	19.2	17.6	17.0	17.0
135							24.2	18.6	16.6	16.2	16.2
140							22.4	18.0	15.8	15.4	15.4
145							20.2	17.4	15.0	14.6	14.6
150							13.8	17.0	14.4	14.0	14.0
155								16.4	13.8	13.4	13.2
160								15.8	13.2	12.6	12.4
165									12.6	12.0	11.8
170									12.2	11.6	11.2
175									11.8	11.2	10.6
180									11.4	10.6	10.2
185										10.2	9.6
190										9.8	9.0
195										9.2	8.4
200										8.8	8.0
205											7.6
210											7.0
215											6.2

Loads >350,000 lb. can only be lifted with additional equipment
*Requires special equipment


51 - 236 ft.
(15.5 - 72 m)


97,000 lbs.
(44MT)


100%
27'11" Spread


360°





Pounds (thousands)

Feet	50.9	69.4	87.9	106.5	125.0	143.5	162.1	180.6	199.2	217.7	236.2
8	*406.0										
10	382.0	308.0									
15	288.0	272.0	208.0								
20	238.0	228.0	208.0	157.0	120.0						
25	188.0	190.0	186.0	157.0	120.0	93.0					
30	149.0	151.0	147.0	149.0	120.0	93.0	69.0	52.0			
35	122.0	124.0	121.0	123.0	118.0	93.0	69.0	52.0			
40		106.0	101.0	104.0	101.0	89.0	69.0	52.0	39.6	30.8	
45		92.0	86.0	92.0	86.0	84.0	65.0	52.0	39.6	30.8	
50		80.0	75.0	80.0	75.0	75.0	61.0	52.0	39.6	30.8	26.4
55		70.0	65.0	70.0	70.0	66.0	58.0	50.0	39.6	30.8	26.4
60			56.0	62.0	63.0	58.0	54.0	47.0	39.6	30.8	26.4
65			49.0	55.5	56.0	52.0	48.0	43.8	39.2	30.8	26.4
70			45.0	50.0	51.0	47.0	43.6	41.4	37.2	30.8	26.4
75				47.0	46.0	42.0	41.4	37.2	35.4	30.8	26.4
80				42.4	41.4	38.0	39.2	33.4	33.4	30.8	26.4
85				38.4	37.2	34.4	35.8	30.0	30.2	29.4	26.4
90				34.8	33.6	32.4	32.6	28.2	27.2	27.6	26.0
95					30.2	31.0	29.8	27.0	24.6	25.0	25.2
100					27.4	29.6	27.4	25.6	23.2	23.8	23.6
105					25.4	27.0	24.8	24.4	22.2	22.6	21.6
110					24.4	24.6	22.6	23.0	21.0	21.4	19.6
115						22.6	20.4	21.4	20.0	20.2	18.0
120						20.8	18.8	19.4	18.8	18.6	16.4
125						19.0	18.0	17.8	17.8	17.0	15.0
130						17.4	17.4	16.2	16.8	15.8	13.6
135							16.8	14.8	15.2	14.4	12.4
140							15.4	14.0	14.0	13.2	11.2
145							14.4	13.4	13.2	12.0	10.2
150							13.2	12.8	12.2	11.0	9.2
155								12.0	11.0	9.8	8.2
160								11.0	10.0	9.0	7.4
165									9.2	8.0	6.4
170									8.4	7.2	5.6
175									7.6	6.4	4.8
180									6.8	5.6	4.0
185										4.8	3.4
190										4.2	2.6
195										3.6	
200										3.0	

Loads >350,000 lb. can only be lifted with additional equipment
*Over rear, 19.7 ft. outrigger span

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.


51 - 236 ft.
(15.5 - 72 m)


49,600 lbs.
(22.5MT)


100%
27'11" Spread


360°





Pounds (thousands)

Feet	50.9	69.4	87.9	106.5	125.0	143.5	162.1	180.6	199.2	217.7	236.2
10	382.0	308.0									
15	288.0	272.0	208.0								
20	213.0	212.0	205.0	157.0	120.0						
25	161.0	163.0	148.0	140.0	120.0	93.0					
30	127.0	130.0	112.0	114.0	105.0	93.0	69.0	52.0			
35	102.0	104.0	89.0	93.0	91.0	84.0	69.0	52.0			
40		85.0	73.0	80.0	76.0	69.0	64.0	52.0	39.6	30.8	
45		69.0	66.0	69.0	64.0	58.0	57.0	51.0	39.6	30.8	
50		59.0	61.0	59.0	55.0	52.0	50.0	43.2	39.6	30.8	26.4
55		50.0	53.0	51.0	47.0	48.0	43.6	40.6	36.6	30.8	26.4
60			45.0	44.0	41.2	42.2	38.2	37.8	34.2	30.8	26.4
65			39.2	39.2	38.0	37.4	34.2	33.4	32.6	29.4	26.4
70			34.0	34.6	36.0	33.2	32.4	30.0	30.0	27.6	24.8
75				30.2	32.2	29.6	29.6	28.4	26.6	24.4	21.6
80				28.0	29.0	26.4	26.4	25.4	23.8	21.6	19.0
85				25.8	25.8	24.8	23.8	22.8	21.2	19.2	16.6
90				23.0	23.0	23.2	21.4	20.4	19.0	17.0	14.6
95					20.4	21.2	19.2	18.4	17.0	15.0	12.6
100					18.2	19.0	18.0	16.6	15.2	13.2	11.0
105					16.2	17.0	16.2	14.8	13.6	11.6	9.4
110					14.4	15.2	14.6	13.4	12.0	10.2	8.2
115						13.6	13.0	12.0	10.8	9.0	6.8
120						12.2	11.6	10.8	9.6	7.8	5.6
125						11.0	10.2	9.6	8.4	6.6	4.6
130						9.8	9.2	8.4	7.4	5.6	3.6
135							8.0	7.4	6.4	4.8	2.8
140							7.2	6.4	5.6	3.8	
145							6.2	5.4	4.6	3.0	
150							5.4	4.6	3.8		
155								4.0	3.0		
160								3.2			

Loads >350,000 lb. can only be lifted with additional equipment


51 - 236 ft.
(15.5 - 72 m)


30,800 lbs.
(14MT)


100%
27'11" Spread


360°





Pounds (thousands)

Feet	50.9	69.4	87.9	106.5	125.0	143.5	162.1	180.6	199.2	217.7	236.2
10	382.0	308.0									
15	288.0	272.0	208.0								
20	199.0	202.0	175.0	157.0	120.0						
25	150.0	147.0	125.0	126.0	114.0	93.0					
30	112.0	111.0	93.0	98.0	94.0	85.0	69.0	52.0			
35	84.0	86.0	81.0	82.0	75.0	68.0	63.0	52.0			
40		70.0	70.0	67.0	62.0	60.0	56.0	48.0	39.6	30.8	
45		59.0	58.0	56.0	52.0	52.0	47.0	44.0	38.4	30.8	
50		48.0	49.0	47.0	48.0	44.0	41.6	39.0	34.2	30.8	26.4
55		39.8	41.8	40.2	41.4	38.0	37.4	35.8	33.4	29.4	26.4
60			35.8	35.8	35.8	33.6	32.4	31.0	29.0	26.2	23.2
65			30.2	32.8	31.2	30.8	29.0	27.0	25.2	22.6	19.8
70			26.2	28.8	27.4	27.2	25.4	23.6	21.8	19.6	17.0
75				25.0	24.0	24.0	22.4	20.8	19.2	16.8	14.4
80				21.8	21.2	21.2	19.8	18.2	16.6	14.6	12.2
85				19.0	18.8	19.0	17.4	16.0	14.6	12.6	10.2
90				16.4	16.4	16.8	15.4	14.0	12.6	10.8	8.4
95					14.2	15.0	13.6	12.4	11.0	9.2	6.8
100					12.4	13.2	12.0	10.8	9.4	7.6	5.4
105					10.8	11.6	10.6	9.4	8.2	6.4	4.2
110					9.4	10.2	9.4	8.2	6.8	5.2	3.0
115						8.8	8.2	7.0	5.8	4.0	
120						7.6	7.0	6.0	4.8	3.0	
125						6.6	5.8	5.0	3.8		
130						5.6	5.0	4.2	3.0		
135							4.0	3.4			
140							3.2				

Loads >350,000 lb. can only be lifted with additional equipment


51 - 236 ft.
(15.5 - 72 m)


0 lbs.
(0 MT)


100%
27'11" Spread


360°





Pounds (thousands)

Feet	50.9	69.4	87.9	106.5	125.0	143.5	162.1	180.6	199.2	217.7	236.2
10	382.0	308.0									
15	260.0	212.0	172.0								
20	152.0	137.0	116.0	112.0	97.0						
25	100.0	95.0	89.0	81.0	72.0	68.0					
30	68.0	69.0	65.0	62.0	58.0	54.0	48.0	41.4			
35	49.0	51.0	50.0	50.0	45.0	43.2	39.2	35.4			
40		38.6	39.4	39.4	36.4	34.8	31.8	28.6	25.8	22.2	
45		30.0	31.4	32.0	29.6	28.6	26.0	23.4	21.0	17.8	
50		23.8	25.4	26.4	24.4	23.8	21.6	19.2	17.0	14.2	11.2
55		19.0	20.6	21.8	20.2	19.8	17.8	15.8	13.8	11.4	8.6
60			16.8	18.2	16.8	16.6	14.8	13.0	11.2	8.8	6.2
65			13.8	15.2	14.0	13.8	12.2	10.6	9.0	6.8	4.2
70			11.2	12.8	11.6	11.6	10.0	8.6	7.0	5.0	
75				10.6	9.6	9.6	8.2	6.8	5.4	3.4	
80				8.8	7.8	8.0	6.6	5.2	3.8		
85				7.2	6.2	6.4	5.2	3.8			
90				5.8	5.0	5.2	4.0	2.6			
95					3.8	4.0	2.8				
100					2.8	3.0					

Loads >350,000 lb. can only be lifted with additional 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.

Working Range



51 - 236 ft.
(15.5 - 72 m)



43 - 125 ft.
(13 - 38 m)



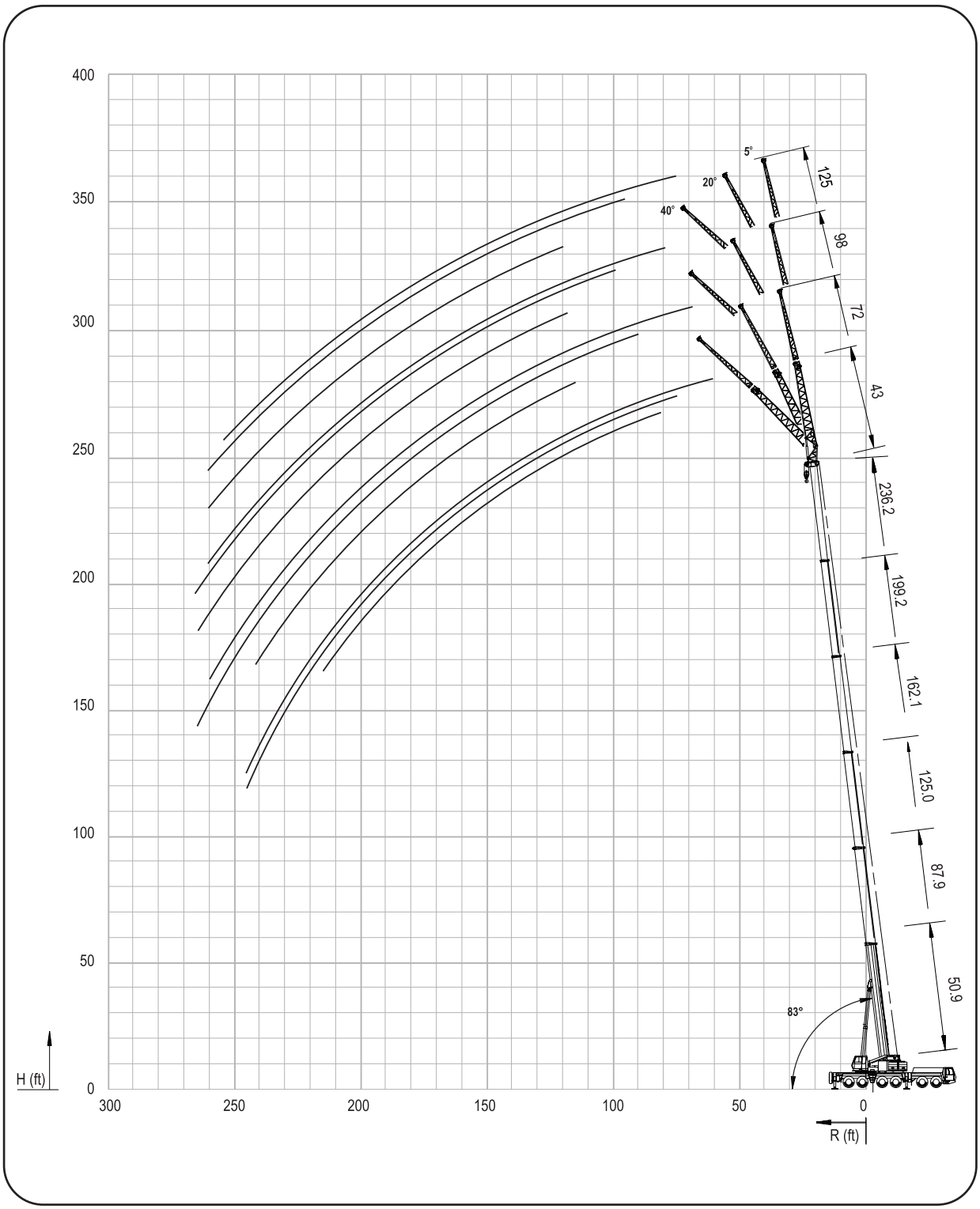
154,300 lbs.
(70MT)



100%



360°




236 ft.
(72 m)


43-72-98-125 ft.
(13-22-30-38 m)


154,300 lbs.
(70MT)


100%
27'11" Spread


360°





Pounds (thousands)

	43 FT			72 FT			98 FT			125 FT		
Feet	5°	20°	40°	5°	20°	40°	5°	20°	40°	5°	20°	40°
50	13.8											
55	13.8											
60	13.8	13.6		9.0								
65	13.8	13.6		9.0								
70	13.8	13.6		9.0			6.6					
75	13.8	13.6	13.6	9.0			6.6			4.4		
80	13.8	13.6	13.6	9.0	8.6		6.6			4.4		
85	13.8	13.6	13.6	9.0	8.6		6.6			4.4		
90	13.8	13.6	13.6	9.0	8.6		6.6	6.6		4.4		
95	13.8	13.6	13.6	9.0	8.6		6.6	6.6		4.4	4.4	
100	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6		4.4	4.4	
105	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6		4.4	4.4	
110	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6		4.4	4.4	
115	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	
120	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
125	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
130	13.4	13.4	13.6	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
135	13.0	13.0	13.2	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
140	12.6	12.6	12.8	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
145	12.2	12.2	12.4	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
150	11.8	11.8	12.0	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
155	11.4	11.2	11.6	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
160	10.8	10.8	11.2	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
165	10.2	10.4	10.8	9.0	8.6	8.6	6.6	6.6	6.4	4.4	4.4	4.2
170	9.8	9.8	10.2	8.8	8.6	8.6	6.6	6.6	6.4	4.4	4.2	4.2
175	9.2	9.4	9.8	8.4	8.6	8.6	6.6	6.4	6.4	4.4	4.2	4.2
180	8.6	8.8	9.4	8.2	8.4	8.4	6.4	6.2	6.2	4.2	4.2	4.2
185	8.2	8.4	9.0	7.8	8.0	8.2	6.2	6.2	6.0	4.2	4.2	4.2
190	7.6	8.0	8.4	7.4	7.8	8.0	6.0	6.0	6.0	4.2	4.0	4.2
195	7.2	7.6	8.0	7.2	7.4	7.8	5.8	5.8	5.8	4.2	4.0	4.0
200	6.8	7.0	7.4	6.8	7.2	7.6	5.6	5.8	5.8	4.0	4.0	4.0
205	6.4	6.6		6.4	6.8	7.4	6.4	5.6	5.6	4.0	4.0	4.0
210	6.0	6.2		6.0	6.6	7.2	5.0	5.2	5.4	4.0	3.8	4.0
215	5.6	5.8		5.8	6.2	6.8	4.8	5.0	5.2	3.8	3.8	4.0
220	5.2	5.4		5.4	6.0	6.4	4.6	4.8	5.2	3.8	3.8	3.8
225	4.6	4.8		5.0	5.6	6.0	4.4	4.6	5.0	3.4	3.6	3.8
230	4.0	4.2		4.8	5.2		4.0	4.4	4.8	3.2	3.4	3.6
235	3.4	3.6		4.4	4.8		3.8	4.2	4.6	3.0	3.2	3.4
240	2.8	3.0		4.0	4.4		3.6	4.0	4.2	2.8	3.2	3.4
245		2.6		3.6	4.0		3.2	3.6	4.0	2.6	3.0	3.2
250				3.2	3.6		3.0	3.4		2.4	2.8	3.0
255				2.8	3.2		2.6	3.0		2.2	2.6	3.0
260				2.2	2.6			2.6			2.4	2.6


236 ft.
(72 m)


43-72-98-125 ft.
(13-22-30-38 m)


154,300 lbs.
(70MT)


100%
27'11" Spread


360°





Pounds (thousands)

	43 FT		72 FT		98 FT		125 FT	
Feet	5°-20°	20°-40°	5°-20°	20°-40°	5°-20°	20°-40°	5°-20°	20°-40°
55								
60	13.2							
65	13.2							
70	13.2							
75	13.2	13.6						
80	13.2	13.6	8.6					
85	13.2	13.6	8.6					
90	13.2	13.6	8.6		6.6			
95	13.2	13.6	8.6		6.6		4.4	
100	13.2	13.6	8.6	8.2	6.6		4.4	
105	13.2	13.6	8.6	8.2	6.6		4.4	
110	13.2	13.6	8.6	8.2	6.6		4.4	
115	13.2	13.6	8.6	8.2	6.6	6.6	4.4	
120	13.2	13.6	8.6	8.2	6.6	6.6	4.4	4.2
125	13.2	13.4	8.6	8.2	6.6	6.6	4.4	4.2
130	12.8	13.0	8.6	8.2	6.6	6.6	4.4	4.2
135	12.4	12.6	8.6	8.2	6.6	6.6	4.4	4.2
140	12.0	12.2	8.6	8.2	6.6	6.6	4.4	4.2
145	11.6	11.8	8.6	8.2	6.6	6.6	4.4	4.2
150	11.2	11.4	8.6	8.2	6.6	6.6	4.4	4.2
155	10.8	11.0	8.6	8.2	6.6	6.6	4.4	4.2
160	10.2	10.6	8.6	8.2	6.6	6.6	4.4	4.2
165	9.8	10.2	8.4	8.2	6.6	6.4	4.4	4.2
170	9.4	9.8	8.4	8.2	6.6	6.4	4.2	4.2
175	9.0	9.4	8.2	8.2	6.4	6.4	4.2	4.2
180	8.4	9.0	8.0	8.0	6.2	6.2	4.2	4.2
185	8.0	8.4	7.6	7.8	6.2	6.0	4.2	4.2
190	7.6	8.0	7.4	7.6	6.0	6.0	4.0	4.2
195	7.2	7.6	7.2	7.4	5.8	5.8	4.0	4.0
200	6.8	7.0	6.8	7.2	5.8	5.8	4.0	4.0
205	6.4		6.6	7.0	5.6	5.6	4.0	4.0
210	5.8		6.2	6.8	5.2	5.4	3.8	4.0
215	5.2		6.0	6.4	5.0	5.2	3.8	4.0
220	4.6		5.6	6.0	4.8	5.2	3.8	3.8
225	4.2		5.2	5.6	4.6	5.0	3.6	3.8
230	3.6		4.8		4.4	4.8	3.4	3.6
235	3.2		4.4		4.2	4.6	3.2	3.4
240	2.6		3.8		3.8	4.2	3.2	3.4
245	2.2		3.4		3.4	4.0	3.0	3.2
250			3.0		3.0		2.8	3.0
255			2.4		2.6		2.4	3.0
260								2.6
265								

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.


236 ft.
(72 m)


43-72-98-125 ft.
(13-22-30-38 m)


97,000 lbs.
(70MT)


100%
27'11" Spread


360°





Pounds (thousands)

Feet	43 FT 5°	43 FT 20°	43 FT 40°	72 FT 5°	72 FT 20°	72 FT 40°	98 FT 5°	98 FT 20°	98 FT 40°	125 FT 5°	125 FT 20°	125 FT 40°
50	13.8											
55	13.8											
60	13.8	13.6		9.0								
65	13.8	13.6		9.0								
70	13.8	13.6		9.0			6.6					
75	13.8	13.6	13.6	9.0			6.6			4.4		
80	13.8	13.6	13.6	9.0	8.6		8.6			4.4		
85	13.8	13.6	13.6	9.0	8.6		6.6			4.4		
90	13.8	13.6	13.6	9.0	8.6		6.6	6.6		4.4		
95	13.8	13.6	13.6	9.0	8.6		6.6	6.6		4.4	4.4	
100	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6		4.4	4.4	
105	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6		4.4	4.4	
110	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6		4.4	4.4	
115	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	
120	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
125	13.8	13.6	13.6	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
130	12.6	13.4	13.6	9.0	86	8.6	6.6	6.6	6.6	4.4	4.4	4.2
135	11.4	12.4	13.2	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
140	10.2	11.2	12.0	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
145	9.2	10.0	10.8	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
150	8.2	9.0	9.8	9.0	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
155	7.2	8.0	8.6	8.6	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
160	6.4	7.2	7.8	7.8	8.6	8.6	6.6	6.6	6.6	4.4	4.4	4.2
165	5.6	6.2	6.8	7.0	8.2	8.6	6.6	6.6	6.4	4.4	4.4	4.2
170	4.8	5.4	6.0	6.2	7.4	8.6	6.0	6.6	6.4	4.4	4.2	4.2
175	4.2	4.6	5.2	5.4	6.6	7.8	5.2	6.4	6.4	4.4	4.2	4.2
180	3.4	4.0	4.4	4.8	5.8	7.0	4.6	5.8	6.2	4.2	4.2	4.2
185	2.8	3.2	3.6	4.0	5.2	6.2	3.8	5.0	6.0	3.6	4.2	4.2
190	2.2	2.6	3.0	3.4	4.4	5.4	3.2	4.4	5.4	3.0	4.0	4.2
195			2.4	2.8	3.8	4.6	2.6	3.8	4.6	2.4	3.4	4.0
200				2.2	3.2	4.0		3.0	4.0		2.8	3.8
205					2.6	3.4		2.6	3.4		2.2	3.2
210						2.8			2.8			2.6
215									2.2			


236 ft.
(72 m)


43-72-98-125 ft.
(13-22-30-38 m)


97,000 lbs.
(70MT)


100%
27'11" Spread


360°



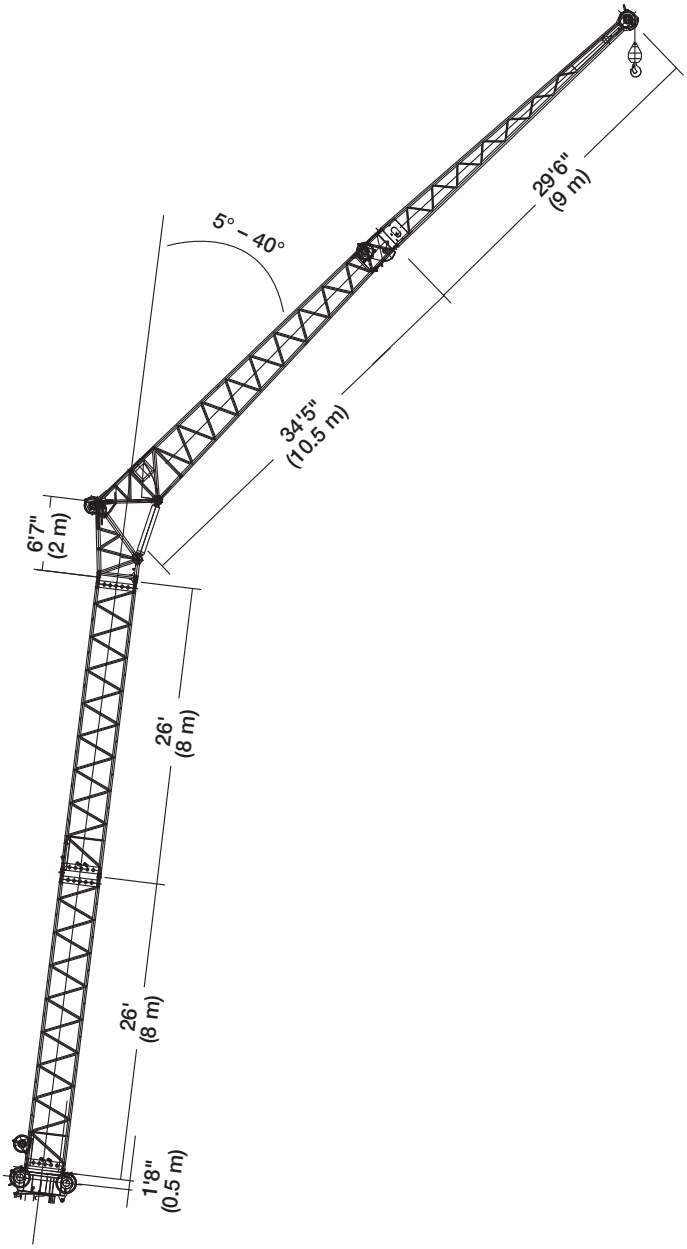


Pounds (thousands)

Feet	43 FT 5°-20°	43 FT 20°-40°	72 FT 5°-20°	72 FT 20°-40°	98 FT 5°-20°	98 FT 20°-40°	125 FT 5°-20°	125 FT 20°-40°
55								
60	13.2							
65	13.2							
70	13.2							
75	13.2	13.6						
80	13.2	13.6	8.6					
85	13.2	13.6	8.6					
90	13.2	13.6	8.6		6.6			
95	13.2	13.6	8.6		6.6		4.4	
100	13.2	13.6	8.6	8.2	6.6		4.4	
105	13.2	13.6	8.6	8.2	6.6		4.4	
110	13.2	13.6	8.6	8.2	6.6		4.4	
115	13.2	13.6	8.6	8.2	6.6	6.6	4.4	
120	13.2	13.6	8.6	8.2	6.6	6.6	4.4	4.2
125	13.2	13.4	8.6	8.2	6.6	6.6	4.4	4.2
130	12.6	13.0	8.6	8.2	6.6	6.6	4.4	4.2
135	11.4	12.6	8.6	8.2	6.6	6.6	4.4	4.2
140	10.2	11.8	8.6	8.2	6.6	6.6	4.4	4.2
145	9.2	10.8	8.6	8.2	6.6	6.6	4.4	4.2
150	8.2	9.8	8.6	8.2	6.6	6.6	4.4	4.2
155	7.2	8.8	8.6	8.2	6.6	6.6	4.4	4.2
160	6.4	7.8	7.8	8.2	6.6	6.6	4.4	4.2
165	5.6	6.8	7.0	8.2	6.6	6.4	4.4	4.2
170	4.8	6.0	6.2	7.4	6.0	6.4	4.2	4.2
175	4.2	5.2	5.4	6.6	5.2	6.4	4.2	4.2
180	3.4	4.4	4.8	5.8	4.6	5.8	4.2	4.2
185	2.8	3.8	4.0	5.2	3.8	5.0	3.6	4.2
190		3.2	3.4	4.4	3.2	4.4	3.0	4.0
195		2.4	2.8	3.8	2.6	3.8	2.4	3.4
200			2.2	3.2		3.0		2.8
205				2.6		2.6		2.2

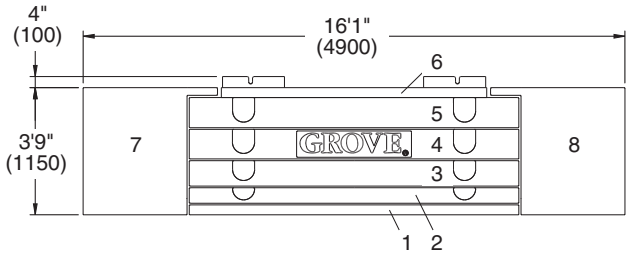
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

Boom Extension Configurations

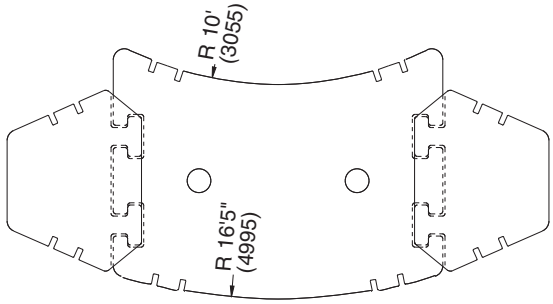


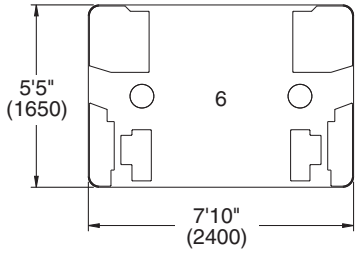
Length (ft.)	Intermediate section boom extension make-up			
	26' (8 m)	6'7" (2 m)	34'5" (10.5 m)	29'6" (9 m)
43	—	1x	1x	—
72	—	1x	1x	1x
98	1x	1x	1x	1x
125	2x	1x	1x	1x

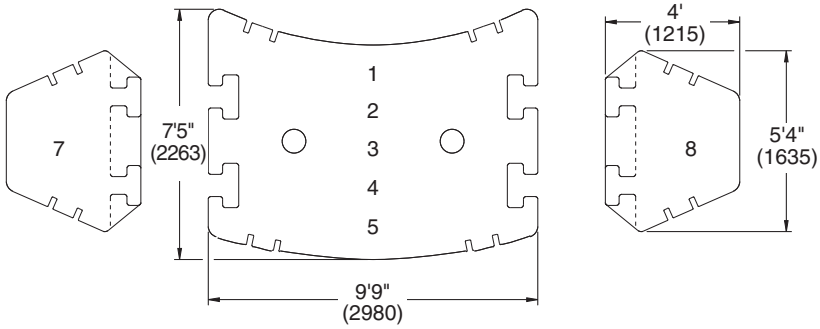
Counterweight Configurations



1. **11,980 lbs. (5 400 kg)**
2. **11,200 lbs. (5 100 kg)**
3. **18,700 lbs. (8 500 kg)**
4. **24,300 lbs. (11 000 kg)**
5. **23,100 lbs. (10 500 kg)**
6. **7,700 lbs. (3 500 kg)**
7. **28,660 lbs. (13 000 kg)**
8. **28,660 lbs. (13 000 kg)**







Note: () Reference dimensions in mm

	1	2	3	4	5	6	7	8
23,100 lbs.	X	X						
30,800 lbs.	X	X				X		
49,600 lbs.	X	X	X			X		
73,800 lbs.	X	X	X	X		X		
97,000 lbs.	X	X	X	X	X	X		
141,000 lbs.	X	X	X	X	X	X	*	*
154,300 lbs.	X	X	X	X	X	X	X	X

*NOTE: To utilize 141,000 lb. (64 000 kg) load chart optional counterweights for 7 & 8 may be provided weighing 22,050 lbs. (10 000 kg) each.

	Crane with 154 300 lbs (70 t) counterweight (outrigger base 28.5 x 19.7 ft)
	Main boom - fixed length in ft 50.9
Tel. sec. I	0.00
Tel. sec. II	0.00
Tel. sec. III	0.00
Tel. sec. IV	0.00
Tel. sec. V	0.00
Slewing range	+- 0° over rear
Radius in feet	Lifting capacities in 1000 lbs
8.0	406.0
9.0	370.0
10.0	354.0
15.0	288.0
20.0	238.0
25.0	200.0
30.0	169.0
35.0	140.0
SLI Code	914
Max. permitted windspeed	**14 m/s**

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

3 077 541

	Crane with 141 000 lbs (64 t) counterweight (outrigger base 28.5 x 19.7 ft)
	Main boom - fixed length in ft 50.9
Tel. sec. I Tel. sec. II Tel. sec. III Tel. sec. IV Tel. sec. V	0.00 0.00 0.00 0.00 0.00
Slewing range	+- 0° over rear
Radius in feet	Lifting capacities in 1000 lbs
8.0 9.0 10.0 15.0 20.0 25.0 30.0 35.0	406.0 370.0 354.0 288.0 238.0 200.0 169.0 140.0
SLI Code	814
Max. permitted windspeed	**14 m/s**

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

	Crane with 97 000 lbs (44 t) counterweight (outrigger base 28.5 x 19.7 ft)
	Main boom - fixed length in ft 50.9
Tel. sec. I	0.00
Tel. sec. II	0.00
Tel. sec. III	0.00
Tel. sec. IV	0.00
Tel. sec. V	0.00
Slewing range	+- 0° over rear
Radius in feet	Lifting capacities in 1000 lbs
8.0	406.0
9.0	370.0
10.0	354.0
15.0	288.0
20.0	238.0
25.0	188.0
30.0	149.0
35.0	122.0
SLI Code	714
Max. permitted windspeed	**14 m/s**

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

3 077 552

	Crane with 97 000 lbs (44 t) counterweight (outrigger base 28.5 x 19.7 ft)								
	Main boom - fixed length in ft								
	50.9	69.4	69.4	69.4	69.4	69.4	87.9	87.9	87.9
Tel. sec. I	0.00	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. III	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
Tel. sec. IV	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
Tel. sec. V	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	1.00
Slewing range	360°								
Radius in feet	Lifting capacities in 1000 lbs								
10.0	382.0	308.0	300.0	212.0	242.0	144.0			
15.0	288.0	270.0	272.0	212.0	203.0	123.0	208.0	133.0	84.0
20.0	232.0	202.0	207.0	211.0	172.0	107.0	185.0	116.0	72.0
25.0	167.0	147.0	151.0	155.0	150.0	95.0	137.0	102.0	63.0
30.0	127.0	112.0	116.0	119.0	122.0	85.0	106.0	90.0	56.0
35.0	99.0	89.0	93.0	96.0	99.0	77.0	85.0	81.0	50.0
40.0		73.0	76.0	79.0	82.0	70.0	69.0	73.0	45.0
45.0		60.0	64.0	66.0	68.0	65.0	58.0	66.0	40.4
50.0		50.0	53.0	55.0	57.0	59.0	49.0	61.0	37.2
55.0		41.0	43.8	47.0	49.0	50.0	41.4	53.0	34.4
60.0							35.2	46.0	32.0
65.0							29.6	40.2	30.0
70.0							24.8	35.4	28.2
SLI Code	711								
Max. permitted windspeed	**14 m/s**								

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

	Crane with 97 000 lbs (44 t) counterweight (outrigger base 28.5 x 19.7 ft)									
	Main boom - fixed length in ft									
	106.5	106.5	106.5	106.5	125.0	125.0	125.0	143.5	143.5	143.5
Tel. sec. I	0.50	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.00	0.50	0.50	0.00
Tel. sec. III	0.50	0.50	0.50	0.00	0.50	0.50	0.50	0.50	0.50	0.50
Tel. sec. IV	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00
Tel. sec. V	0.00	0.00	0.50	1.00	0.00	0.50	1.00	0.50	1.00	1.00
Slewing range	360°									
Radius in feet	Lifting capacities in 1000 lbs									
20.0	157.0	152.0	121.0	77.0	120.0	113.0	79.0			
25.0	130.0	136.0	109.0	69.0	120.0	110.0	72.0	93.0	73.0	58.0
30.0	102.0	108.0	98.0	62.0	99.0	102.0	66.0	93.0	68.0	55.0
35.0	83.0	88.0	89.0	56.0	82.0	88.0	61.0	81.0	64.0	50.0
40.0	68.0	74.0	79.0	50.0	68.0	74.0	56.0	68.0	60.0	46.0
45.0	57.0	63.0	68.0	46.0	58.0	63.0	51.0	58.0	55.0	42.0
50.0	49.0	54.0	59.0	42.0	49.0	55.0	48.0	50.0	52.0	38.8
55.0	41.6	47.0	51.0	38.6	42.6	48.0	44.0	43.8	48.0	36.2
60.0	35.8	40.8	45.0	35.8	37.0	42.4	40.6	38.4	43.4	33.6
65.0	31.0	36.0	40.4	33.4	32.4	37.6	38.0	33.8	38.6	31.4
70.0	26.8	31.8	35.8	31.6	28.4	33.4	36.0	29.8	34.6	29.8
75.0	23.0	27.6	31.6	29.8	24.8	30.0	33.6	26.4	31.2	28.0
80.0	19.4	24.0	28.0	28.0	21.8	26.8	30.4	23.4	28.2	26.4
85.0	16.4	21.0	25.0	26.2	19.2	23.8	27.4	20.8	25.6	24.8
90.0	13.8	18.4	22.2	24.6	16.4	21.2	24.6	18.6	23.2	23.2
95.0					14.2	18.8	22.2	16.4	21.0	21.4
100.0					12.0	16.6	20.0	14.4	18.8	20.0
105.0					10.2	14.8	18.0	12.6	16.8	18.8
110.0					8.6	13.2	16.4	11.0	15.2	17.2
115.0								9.4	13.6	15.6
120.0								8.0	12.2	14.2
125.0								6.8	11.0	12.8
130.0								5.8	9.8	11.8
SLI Code	711									
Max. permitted windspeed	**12 m/s**							**10 m/s**		

3 077 552

	Crane with 97 000 lbs (44 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	162.1	162.1	162.1	162.1	180.6	180.6	180.6
Tel. sec. I	0.00	1.00	0.50	0.00	1.00	0.50	0.00
Tel. sec. II	0.00	0.50	0.50	0.50	1.00	0.50	0.50
Tel. sec. III	1.00	0.50	0.50	0.50	0.50	0.50	1.00
Tel. sec. IV	1.00	0.50	0.50	1.00	0.50	1.00	1.00
Tel. sec. V	1.00	0.50	1.00	1.00	0.50	1.00	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
30.0	47.0	69.0	65.0	53.0	52.0	44.0	40.0
35.0	46.0	69.0	63.0	51.0	52.0	44.0	40.0
40.0	42.8	63.0	60.0	48.0	52.0	44.0	40.0
45.0	39.8	54.0	57.0	45.0	51.0	44.0	40.0
50.0	37.0	46.0	51.0	41.6	44.0	43.2	38.0
55.0	34.4	40.2	45.0	38.8	38.2	40.6	35.8
60.0	32.2	35.0	39.4	36.4	33.4	38.2	33.6
65.0	29.8	30.6	35.0	34.2	29.2	34.8	31.8
70.0	27.8	26.8	31.2	32.4	25.6	31.2	30.0
75.0	25.8	23.6	28.0	30.8	22.4	28.0	28.4
80.0	23.6	20.8	25.0	28.2	19.6	25.2	26.8
85.0	21.6	18.2	22.4	25.6	17.2	22.6	24.6
90.0	20.4	16.0	20.2	23.2	15.0	20.4	22.4
95.0	19.2	14.0	18.2	21.2	13.0	18.4	20.4
100.0	18.0	12.2	16.2	19.4	11.2	16.6	18.6
105.0	17.2	10.4	14.6	17.6	9.6	15.0	17.0
110.0	16.2	9.0	13.0	16.0	8.2	13.4	15.4
115.0	15.0	7.6	11.6	14.4	6.8	12.2	14.0
120.0	13.4	6.2	10.2	13.0	5.6	11.0	12.8
125.0	12.2	5.0	8.8	11.6	4.4	9.8	11.6
130.0	11.0	3.8	7.8	10.6	3.4	8.6	10.4
135.0	10.0	2.8	6.6	9.4		7.4	9.2
140.0	9.0		5.6	8.4		6.4	8.2
145.0	8.0		4.8	7.6		5.6	7.4
150.0	7.2		4.0	6.8		4.8	6.6
155.0						4.0	5.8
160.0						3.2	5.0
SLI Code	711						
Max. permitted windspeed	**10 m/s**						

	Crane with 97 000 lbs (44 t) counterweight (outrigger base 28.5 x 19.7 ft)					
	Main boom - fixed length in ft					
	199.2	199.2	199.2	217.7	217.7	236.2
Tel. sec. I	0.00	1.00	0.50	1.00	0.50	1.00
Tel. sec. II	1.00	1.00	0.50	1.00	1.00	1.00
Tel. sec. III	1.00	1.00	1.00	1.00	1.00	1.00
Tel. sec. IV	1.00	0.50	1.00	1.00	1.00	1.00
Tel. sec. V	1.00	0.50	1.00	0.50	1.00	1.00
Slewing range	360°					
Radius in feet	Lifting capacities in 1000 lbs					
40.0	34.2	39.6	34.2	30.8	29.4	
45.0	34.2	39.6	34.2	30.8	29.4	
50.0	34.2	39.6	34.2	30.8	29.4	26.4
55.0	34.2	38.0	34.2	30.8	29.4	26.4
60.0	33.8	33.4	34.2	30.8	29.4	26.4
65.0	32.2	29.2	32.6	29.4	29.4	26.4
70.0	30.8	25.8	30.8	26.0	29.2	26.4
75.0	28.4	22.6	27.8	23.0	26.2	23.8
80.0	25.6	20.0	25.0	20.4	23.6	21.2
85.0	23.2	17.6	22.6	18.0	21.2	18.8
90.0	21.0	15.4	20.4	16.0	19.0	16.8
95.0	19.0	13.6	18.4	14.0	17.2	15.0
100.0	17.2	11.8	16.6	12.4	15.4	13.4
105.0	15.6	10.2	15.0	10.8	13.8	11.8
110.0	14.2	8.8	13.6	9.4	12.4	10.4
115.0	12.8	7.4	12.2	8.2	11.2	9.2
120.0	11.6	6.2	11.0	7.0	10.0	8.0
125.0	10.4	5.0	9.8	5.8	8.8	6.8
130.0	9.4	4.0	8.8	4.8	7.8	5.8
135.0	8.4	3.2	7.8	3.8	6.8	5.0
140.0	7.4		7.0	3.0	6.0	4.0
145.0	6.6		6.0		5.2	3.2
150.0	5.6		5.2		4.4	
155.0	4.8		4.4		3.6	
160.0	4.2		3.6		3.0	
165.0	3.4		3.0			
170.0	2.8					
SLI Code	711					
Max. permitted windspeed	**8 m/s**					

	Crane with 73 800 lbs (33.5 t) counterweight (outrigger base 28.5 x 19.7 ft)								
	Main boom - fixed length in ft								
	50.9	69.4	69.4	69.4	69.4	69.4	87.9	87.9	87.9
Tel. sec. I	0.00	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. III	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
Tel. sec. IV	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
Tel. sec. V	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	1.00
Slewing range	360°								
Radius in feet	Lifting capacities in 1000 lbs								
10.0	382.0	308.0	300.0	212.0	242.0	144.0			
15.0	288.0	268.0	272.0	212.0	203.0	123.0	208.0	133.0	84.0
20.0	196.0	169.0	174.0	178.0	172.0	107.0	155.0	116.0	72.0
25.0	140.0	122.0	126.0	130.0	133.0	95.0	113.0	102.0	63.0
30.0	105.0	92.0	95.0	99.0	102.0	85.0	87.0	90.0	56.0
35.0	82.0	72.0	76.0	79.0	82.0	77.0	69.0	81.0	50.0
40.0		58.0	61.0	65.0	67.0	69.0	55.0	68.0	45.0
45.0		47.0	51.0	54.0	56.0	58.0	46.0	58.0	40.4
50.0		38.6	41.6	44.0	47.0	49.0	37.6	50.0	37.2
55.0		31.0	34.0	36.8	38.8	40.8	31.4	43.2	34.4
60.0							26.2	37.4	32.0
65.0							21.4	32.2	30.0
70.0							17.4	28.0	28.2
SLI Code	611								
Max. permitted windspeed	**14 m/s**								

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

3 077 553

	Crane with 73 800 lbs (33.5 t) counterweight (outrigger base 28.5 x 19.7 ft)									
	Main boom - fixed length in ft									
	106.5	106.5	106.5	106.5	125.0	125.0	125.0	143.5	143.5	143.5
Tel. sec. I	0.50	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.00	0.50	0.50	0.00
Tel. sec. III	0.50	0.50	0.50	0.00	0.50	0.50	0.50	0.50	0.50	0.50
Tel. sec. IV	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00
Tel. sec. V	0.00	0.00	0.50	1.00	0.00	0.50	1.00	0.50	1.00	1.00
Slewing range	360°									
Radius in feet	Lifting capacities in 1000 lbs									
20.0	144.0	152.0	121.0	77.0	120.0	113.0	79.0			
25.0	108.0	114.0	109.0	69.0	104.0	110.0	72.0	93.0	73.0	58.0
30.0	84.0	90.0	95.0	62.0	82.0	88.0	66.0	81.0	68.0	55.0
35.0	67.0	73.0	78.0	56.0	67.0	73.0	61.0	66.0	64.0	50.0
40.0	55.0	60.0	65.0	50.0	55.0	61.0	56.0	56.0	60.0	46.0
45.0	45.0	51.0	56.0	46.0	46.0	52.0	51.0	47.0	52.0	42.0
50.0	38.0	43.2	48.0	42.0	39.2	45.0	48.0	40.2	45.0	38.8
55.0	32.0	37.0	41.8	38.6	33.2	38.6	42.6	34.6	39.6	36.2
60.0	27.0	32.0	36.6	35.8	28.4	33.8	37.6	30.0	35.0	33.6
65.0	22.8	27.8	32.2	33.4	24.4	29.6	33.4	26.0	31.0	31.4
70.0	19.2	24.2	28.4	31.0	21.0	26.0	29.8	22.6	27.4	29.6
75.0	16.2	20.8	24.8	27.4	18.0	23.0	26.8	19.6	24.4	26.6
80.0	13.2	17.8	21.8	24.2	15.4	20.4	24.0	17.2	21.8	24.0
85.0	10.6	15.0	19.0	21.6	13.0	18.0	21.4	14.8	19.6	21.6
90.0	8.4	12.8	16.8	19.2	11.0	15.6	19.0	12.8	17.6	19.6
95.0					8.8	13.6	17.0	11.0	15.6	17.8
100.0					7.2	11.8	15.0	9.4	13.8	15.8
105.0					5.6	10.2	13.4	8.0	12.2	14.2
110.0					4.2	8.8	12.0	6.6	10.8	12.6
115.0								5.2	9.4	11.4
120.0								4.0	8.2	10.2
125.0								3.0	7.0	9.0
130.0									6.2	8.0
SLI Code	611									
Max. permitted windspeed	**12 m/s**							**10 m/s**		

	Crane with 73 800 lbs (33.5 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	162.1	162.1	162.1	162.1	180.6	180.6	180.6
Tel. sec. I	0.00	1.00	0.50	0.00	1.00	0.50	0.00
Tel. sec. II	0.00	0.50	0.50	0.50	1.00	0.50	0.50
Tel. sec. III	1.00	0.50	0.50	0.50	0.50	0.50	1.00
Tel. sec. IV	1.00	0.50	0.50	1.00	0.50	1.00	1.00
Tel. sec. V	1.00	0.50	1.00	1.00	0.50	1.00	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
30.0	47.0	69.0	65.0	53.0	52.0	44.0	40.0
35.0	46.0	61.0	63.0	51.0	52.0	44.0	40.0
40.0	42.8	51.0	56.0	48.0	48.0	44.0	40.0
45.0	39.8	43.0	48.0	45.0	40.8	44.0	40.0
50.0	37.0	36.6	41.2	41.6	34.6	40.6	38.0
55.0	34.4	31.2	35.8	38.8	29.6	35.4	35.8
60.0	32.2	26.8	31.2	34.6	25.4	31.2	33.2
65.0	29.8	23.0	27.4	30.6	21.8	27.4	29.6
70.0	27.8	19.8	24.2	27.4	18.6	24.2	26.4
75.0	25.0	17.0	21.2	24.4	15.8	21.4	23.6
80.0	22.6	14.4	18.8	22.0	13.4	19.0	21.0
85.0	20.2	12.2	16.6	19.6	11.4	16.8	18.8
90.0	18.2	10.4	14.6	17.6	9.4	15.0	17.0
95.0	16.4	8.6	12.8	15.8	7.8	13.2	15.2
100.0	14.8	7.0	11.2	14.2	6.2	11.6	13.6
105.0	13.4	5.6	9.8	12.8	4.8	10.2	12.2
110.0	12.0	4.4	8.6	11.6	3.6	9.0	10.8
115.0	10.6	3.2	7.4	10.2		7.8	9.8
120.0	9.4		6.2	9.0		6.8	8.6
125.0	8.4		5.0	7.8		5.8	7.6
130.0	7.4		4.0	6.8		4.8	6.6
135.0	6.4		3.2	5.8		4.0	5.8
140.0	5.6			5.0		3.0	4.8
145.0	4.8			4.2			4.0
150.0	4.2			3.6			3.4
155.0							2.8
SLI Code	611						
Max. permitted windspeed	**10 m/s**						

3 077 553

	Crane with 73 800 lbs (33.5 t) counterweight (outrigger base 28.5 x 19.7 ft)					
	Main boom - fixed length in ft					
	199.2	199.2	199.2	217.7	217.7	236.2
Tel. sec. I	0.00	1.00	0.50	1.00	0.50	1.00
Tel. sec. II	1.00	1.00	0.50	1.00	1.00	1.00
Tel. sec. III	1.00	1.00	1.00	1.00	1.00	1.00
Tel. sec. IV	1.00	0.50	1.00	1.00	1.00	1.00
Tel. sec. V	1.00	0.50	1.00	0.50	1.00	1.00
Slewing range	360°					
Radius in feet	Lifting capacities in 1000 lbs					
40.0	34.2	39.6	34.2	30.8	29.4	
45.0	34.2	39.6	34.2	30.8	29.4	
50.0	34.2	34.4	34.2	30.8	29.4	26.4
55.0	34.2	29.6	34.2	29.6	29.4	26.4
60.0	31.4	25.4	30.8	25.6	29.0	26.2
65.0	27.8	22.0	27.2	22.2	25.6	23.0
70.0	24.8	19.0	24.0	19.4	22.6	20.0
75.0	22.0	16.4	21.4	16.8	20.0	17.6
80.0	19.6	14.0	19.0	14.6	17.6	15.4
85.0	17.6	11.8	16.8	12.4	15.6	13.4
90.0	15.6	10.0	15.0	10.6	13.8	11.6
95.0	14.0	8.4	13.2	9.0	12.2	10.0
100.0	12.4	6.8	11.8	7.6	10.6	8.6
105.0	11.0	5.6	10.4	6.2	9.2	7.2
110.0	9.8	4.2	9.2	5.0	8.0	6.0
115.0	8.6	3.2	8.0	3.8	7.0	5.0
120.0	7.4		6.8	2.8	5.8	4.0
125.0	6.4		6.0		5.0	3.0
130.0	5.6		5.0		4.0	
135.0	4.8		4.2		3.2	
140.0	4.0		3.4			
145.0	3.2		2.6			
SLI Code	611					
Max. permitted windspeed	**8 m/s**					

	Crane with 49 600 lbs (22.5 t) counterweight (outrigger base 28.5 x 19.7 ft)								
	Main boom - fixed length in ft								
	50.9	69.4	69.4	69.4	69.4	69.4	87.9	87.9	87.9
Tel. sec. I	0.00	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. III	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
Tel. sec. IV	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
Tel. sec. V	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	1.00
Slewing range	360°								
Radius in feet	Lifting capacities in 1000 lbs								
10.0	382.0	308.0	300.0	212.0	242.0	144.0			
15.0	264.0	217.0	222.0	212.0	203.0	123.0	190.0	133.0	84.0
20.0	158.0	135.0	139.0	144.0	147.0	107.0	123.0	116.0	72.0
25.0	111.0	95.0	99.0	103.0	106.0	95.0	89.0	102.0	63.0
30.0	82.0	70.0	74.0	78.0	81.0	83.0	67.0	81.0	56.0
35.0	64.0	54.0	58.0	61.0	64.0	66.0	52.0	65.0	50.0
40.0		42.4	46.0	49.0	52.0	54.0	40.8	54.0	45.0
45.0		33.8	37.0	40.2	42.6	45.0	32.6	45.0	40.4
50.0		26.8	30.0	32.8	35.0	37.0	26.0	38.2	37.2
55.0		20.6	23.6	26.4	28.4	30.4	20.8	32.6	33.4
60.0							16.6	28.0	28.6
65.0							13.0	23.8	24.4
70.0							9.6	20.2	20.8
SLI Code	511								
Max. permitted windspeed	**14 m/s**								

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

3 077 554

	Crane with 49 600 lbs (22.5 t) counterweight (outrigger base 28.5 x 19.7 ft)									
	Main boom - fixed length in ft									
	106.5	106.5	106.5	106.5	125.0	125.0	125.0	143.5	143.5	143.5
Tel. sec. I	0.50	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.00	0.50	0.50	0.00
Tel. sec. III	0.50	0.50	0.50	0.00	0.50	0.50	0.50	0.50	0.50	0.50
Tel. sec. IV	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00
Tel. sec. V	0.00	0.00	0.50	1.00	0.00	0.50	1.00	0.50	1.00	1.00
Slewing range	360°									
Radius in feet	Lifting capacities in 1000 lbs									
20.0	115.0	122.0	121.0	77.0	109.0	113.0	79.0			
25.0	85.0	91.0	97.0	69.0	82.0	89.0	72.0	80.0	73.0	58.0
30.0	65.0	71.0	76.0	62.0	64.0	70.0	66.0	63.0	68.0	55.0
35.0	51.0	57.0	62.0	56.0	51.0	57.0	61.0	52.0	57.0	50.0
40.0	40.8	46.0	51.0	50.0	41.6	47.0	52.0	42.4	48.0	46.0
45.0	33.0	38.4	43.2	46.0	34.2	39.8	44.0	35.4	40.6	42.0
50.0	26.8	32.0	36.8	39.6	28.2	33.8	37.8	29.6	34.8	37.2
55.0	21.8	26.8	31.6	34.4	23.4	28.8	32.8	25.0	30.0	32.4
60.0	17.6	22.6	27.2	30.0	19.4	24.6	28.6	21.0	26.0	28.4
65.0	14.2	19.2	23.6	26.4	16.0	21.2	25.0	17.8	22.6	25.0
70.0	11.2	16.2	20.6	23.2	13.2	18.2	22.0	15.0	19.8	22.0
75.0	8.6	13.6	17.6	20.2	10.6	15.6	19.4	12.6	17.4	19.4
80.0	6.4	11.0	15.0	17.6	8.4	13.4	17.2	10.4	15.2	17.2
85.0	4.4	8.8	12.8	15.2	6.6	11.6	15.2	8.6	13.2	15.4
90.0		7.0	11.0	13.2	4.8	9.8	13.2	6.8	11.6	13.6
95.0					3.4	8.0	11.4	5.4	10.0	12.0
100.0						6.6	9.8	4.0	8.6	10.6
105.0						5.2	8.6	2.8	7.2	9.2
110.0						4.0	7.2		6.0	8.0
115.0									5.0	6.8
120.0									4.0	5.8
125.0									3.0	5.0
130.0										4.2
SLI Code	511									
Max. permitted windspeed	**12 m/s**							**10 m/s**		

	Crane with 49 600 lbs (22.5 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	162.1	162.1	162.1	162.1	180.6	180.6	180.6
Tel. sec. I	0.00	1.00	0.50	0.00	1.00	0.50	0.00
Tel. sec. II	0.00	0.50	0.50	0.50	1.00	0.50	0.50
Tel. sec. III	1.00	0.50	0.50	0.50	0.50	0.50	1.00
Tel. sec. IV	1.00	0.50	0.50	1.00	0.50	1.00	1.00
Tel. sec. V	1.00	0.50	1.00	1.00	0.50	1.00	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
30.0	47.0	58.0	63.0	53.0	52.0	44.0	40.0
35.0	46.0	47.0	52.0	51.0	43.8	44.0	40.0
40.0	42.8	38.2	43.0	47.0	36.0	42.2	40.0
45.0	39.8	31.6	36.4	39.8	29.8	35.8	38.0
50.0	35.0	26.2	30.8	34.2	24.6	30.6	32.8
55.0	30.4	21.8	26.4	29.8	20.4	26.4	28.4
60.0	26.6	18.2	22.6	26.0	16.8	22.6	24.8
65.0	23.2	15.0	19.4	22.6	13.8	19.6	21.6
70.0	20.4	12.4	16.6	19.8	11.2	17.0	19.0
75.0	18.0	10.0	14.2	17.4	9.0	14.6	16.6
80.0	16.0	8.0	12.2	15.4	7.0	12.6	14.6
85.0	14.0	6.0	10.4	13.4	5.2	10.8	12.8
90.0	12.4	4.4	8.6	11.8	3.6	9.2	11.2
95.0	10.8	3.0	7.2	10.2		7.6	9.6
100.0	9.6		6.0	9.0		6.4	8.4
105.0	8.2		4.8	7.8		5.2	7.2
110.0	7.2		3.6	6.6		4.2	6.2
115.0	6.2		2.6	5.6		3.2	5.2
120.0	5.2			4.6			4.2
125.0	4.2			3.8			3.4
130.0	3.4			3.0			2.6
135.0	2.6						
SLI Code	511						
Max. permitted windspeed	**10 m/s**						

3 077 554

	Crane with 49 600 lbs (22.5 t) counterweight (outrigger base 28.5 x 19.7 ft)					
	Main boom - fixed length in ft					
	199.2	199.2	199.2	217.7	217.7	236.2
Tel. sec. I	0.00	1.00	0.50	1.00	0.50	1.00
Tel. sec. II	1.00	1.00	0.50	1.00	1.00	1.00
Tel. sec. III	1.00	1.00	1.00	1.00	1.00	1.00
Tel. sec. IV	1.00	0.50	1.00	1.00	1.00	1.00
Tel. sec. V	1.00	0.50	1.00	0.50	1.00	1.00
Slewing range	360°					
Radius in feet	Lifting capacities in 1000 lbs					
40.0	34.2	35.4	34.2	30.8	29.4	
45.0	34.2	29.6	34.2	29.4	29.4	
50.0	30.8	24.6	30.0	24.8	28.2	25.2
55.0	26.6	20.6	26.0	20.8	24.2	21.4
60.0	23.2	17.2	22.4	17.6	20.8	18.2
65.0	20.2	14.4	19.4	14.8	18.0	15.6
70.0	17.6	11.8	16.8	12.4	15.6	13.2
75.0	15.2	9.6	14.6	10.2	13.4	11.0
80.0	13.2	7.6	12.6	8.2	11.4	9.2
85.0	11.6	5.8	10.8	6.6	9.8	7.6
90.0	10.0	4.4	9.4	5.0	8.2	6.0
95.0	8.4	3.0	7.8	3.8	6.8	4.8
100.0	7.2		6.6		5.6	3.6
105.0	6.0		5.4		4.4	
110.0	5.0		4.4		3.4	
115.0	4.0		3.4			
120.0	3.2					
SLI Code	511					
Max. permitted windspeed	**8 m/s**					

	Crane with 30 800 lbs (14 t) counterweight (outrigger base 28.5 x 19.7 ft)								
	Main boom - fixed length in ft								
	50.9	69.4	69.4	69.4	69.4	69.4	87.9	87.9	87.9
Tel. sec. I	0.00	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. III	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
Tel. sec. IV	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
Tel. sec. V	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	1.00
Slewing range	360°								
Radius in feet	Lifting capacities in 1000 lbs								
10.0	382.0	274.0	280.0	212.0	242.0	144.0			
15.0	190.0	150.0	156.0	161.0	164.0	123.0	129.0	133.0	84.0
20.0	117.0	96.0	100.0	104.0	107.0	107.0	86.0	102.0	72.0
25.0	82.0	67.0	71.0	75.0	78.0	81.0	62.0	76.0	63.0
30.0	61.0	49.0	53.0	57.0	59.0	62.0	46.0	60.0	56.0
35.0	47.0	37.0	40.6	44.0	46.0	49.0	34.8	48.0	49.0
40.0		28.2	31.4	34.8	37.0	39.4	26.4	39.2	40.0
45.0		21.4	24.6	27.8	30.0	32.4	20.2	32.4	33.2
50.0		16.2	19.4	22.4	24.6	26.8	15.2	27.2	28.0
55.0		12.2	15.4	18.2	20.4	22.4	11.2	23.0	23.6
60.0							8.0	19.4	20.2
65.0							5.2	16.6	17.2
70.0							3.0	14.2	14.8
SLI Code	411								
Max. permitted windspeed	**14 m/s**								

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

3 077 555

	Crane with 30 800 lbs (14 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	106.5	106.5	106.5	106.5	125.0	125.0	125.0
Tel. sec. I	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.00
Tel. sec. III	0.50	0.50	0.50	0.00	0.50	0.50	0.50
Tel. sec. IV	0.00	0.50	0.50	0.50	0.50	0.50	0.50
Tel. sec. V	0.00	0.00	0.50	1.00	0.00	0.50	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
20.0	79.0	86.0	92.0	77.0	75.0	82.0	79.0
25.0	58.0	65.0	70.0	69.0	57.0	63.0	68.0
30.0	44.0	50.0	56.0	59.0	43.8	50.0	55.0
35.0	34.2	39.8	45.0	48.0	34.6	40.4	45.0
40.0	26.6	32.0	37.0	40.0	27.4	33.2	37.4
45.0	20.6	26.0	30.8	33.8	22.0	27.4	31.6
50.0	16.0	21.2	25.8	28.8	17.4	22.8	27.0
55.0	12.2	17.2	21.8	24.6	13.8	19.0	23.0
60.0	9.0	14.0	18.4	21.2	10.6	16.0	19.8
65.0	6.2	11.2	15.6	18.4	8.0	13.2	17.0
70.0	4.0	8.8	13.2	16.0	5.8	11.0	14.8
75.0		6.8	11.2	13.8	4.0	9.0	12.8
80.0		5.2	9.4	12.0		7.2	11.0
85.0		3.6	7.8	10.4		5.6	9.4
90.0			6.4	8.8		4.4	8.0
95.0						3.2	6.8
100.0							5.6
105.0							4.6
110.0							3.6
SLI Code	411						
Max. permitted windspeed	**12 m/s**						

	Crane with 30 800 lbs (14 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	143.5	143.5	143.5	162.1	162.1	162.1	162.1
Tel. sec. I	0.50	0.00	0.00	0.00	1.00	0.50	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.50
Tel. sec. III	0.50	0.50	0.50	1.00	0.50	0.50	0.50
Tel. sec. IV	0.50	0.50	1.00	1.00	0.50	0.50	1.00
Tel. sec. V	0.50	1.00	1.00	1.00	0.50	1.00	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
25.0	55.0	61.0	58.0				
30.0	43.6	49.0	52.0	47.0	38.2	43.4	47.0
35.0	35.0	40.6	43.0	39.8	30.6	35.4	39.0
40.0	28.4	33.8	36.2	33.4	24.4	29.2	32.6
45.0	23.2	28.4	30.8	28.4	19.6	24.2	27.6
50.0	18.8	24.0	26.4	24.2	15.6	20.2	23.6
55.0	15.4	20.4	22.6	20.8	12.4	16.8	20.2
60.0	12.4	17.4	19.6	17.8	9.6	14.0	17.2
65.0	9.8	14.8	17.0	15.4	7.2	11.6	14.8
70.0	7.6	12.6	14.6	13.2	5.0	9.4	12.6
75.0	5.8	10.6	12.8	11.4	3.2	7.6	10.6
80.0	4.2	8.8	11.0	9.6		6.0	9.0
85.0	2.6	7.4	9.4	8.2		4.6	7.6
90.0		6.0	8.2	6.8		3.2	6.2
95.0		4.8	7.0	5.6			5.2
100.0		3.8	5.8	4.6			4.0
105.0		2.8	4.8	3.6			3.2
110.0			4.0	2.8			
115.0			3.2				
SLI Code	411						
Max. permitted windspeed	**10 m/s**						

	Crane with 23 100 lbs (10.5 t) counterweight (outrigger base 28.5 x 19.7 ft)								
	Main boom - fixed length in ft								
	50.9	69.4	69.4	69.4	69.4	69.4	87.9	87.9	87.9
Tel. sec. I	0.00	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. III	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
Tel. sec. IV	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
Tel. sec. V	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	1.00
Slewing range	360°								
Radius in feet	Lifting capacities in 1000 lbs								
10.0	350.0	248.0	256.0	212.0	242.0	144.0			
15.0	173.0	135.0	141.0	146.0	150.0	123.0	116.0	133.0	84.0
20.0	105.0	85.0	90.0	94.0	97.0	100.0	76.0	92.0	72.0
25.0	73.0	59.0	63.0	67.0	70.0	73.0	54.0	69.0	63.0
30.0	54.0	42.6	46.0	50.0	53.0	55.0	39.6	53.0	54.0
35.0	41.0	31.4	35.0	38.4	40.8	43.2	29.4	42.6	43.4
40.0		23.2	26.6	29.8	32.2	34.6	21.8	34.6	35.4
45.0		17.2	20.4	23.6	25.8	28.0	16.2	28.4	29.2
50.0		12.4	15.6	18.6	20.8	23.0	11.6	23.6	24.2
55.0		8.6	11.8	14.8	16.8	19.0	7.8	19.6	20.2
60.0							4.8	16.4	17.0
65.0								13.6	14.4
70.0								11.4	12.0
SLI Code	311								
Max. permitted windspeed	**14 m/s**								

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

3 077 556

	Crane with 23 100 lbs (10.5 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	106.5	106.5	106.5	106.5	125.0	125.0	125.0
Tel. sec. I	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.00
Tel. sec. III	0.50	0.50	0.50	0.00	0.50	0.50	0.50
Tel. sec. IV	0.00	0.50	0.50	0.50	0.50	0.50	0.50
Tel. sec. V	0.00	0.00	0.50	1.00	0.00	0.50	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
20.0	71.0	78.0	84.0	77.0	67.0	74.0	79.0
25.0	52.0	58.0	64.0	67.0	50.0	57.0	62.0
30.0	38.4	44.0	50.0	53.0	38.4	44.0	49.0
35.0	29.2	34.8	40.0	43.2	29.8	35.8	40.2
40.0	22.2	27.6	32.6	35.6	23.4	29.0	33.2
45.0	16.8	22.2	27.0	29.8	18.2	23.8	28.0
50.0	12.4	17.6	22.4	25.2	14.0	19.4	23.6
55.0	8.8	14.0	18.6	21.4	10.6	16.0	20.0
60.0	6.0	11.0	15.4	18.2	7.8	13.0	17.0
65.0	3.4	8.4	12.8	15.6	5.4	10.6	14.4
70.0		6.2	10.6	13.4	3.4	8.4	12.2
75.0		4.4	8.8	11.4		6.6	10.4
80.0		2.8	7.2	9.8		5.0	8.8
85.0			5.6	8.2		3.6	7.4
90.0			4.4	6.8			6.0
95.0							5.0
100.0							4.0
105.0							3.0
SLI Code	311						
Max. permitted windspeed	**12 m/s**						

	Crane with 23 100 lbs (10.5 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	143.5	143.5	143.5	162.1	162.1	162.1	162.1
Tel. sec. I	0.50	0.00	0.00	0.00	1.00	0.50	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.50
Tel. sec. III	0.50	0.50	0.50	1.00	0.50	0.50	0.50
Tel. sec. IV	0.50	0.50	1.00	1.00	0.50	0.50	1.00
Tel. sec. V	0.50	1.00	1.00	1.00	0.50	1.00	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
25.0	49.0	55.0	58.0				
30.0	38.4	44.0	47.0	43.0	33.4	38.4	42.2
35.0	30.6	36.0	38.6	35.4	26.2	31.0	34.6
40.0	24.4	29.8	32.2	29.6	20.6	25.4	28.8
45.0	19.6	24.8	27.2	24.8	16.2	20.8	24.2
50.0	15.6	20.8	23.0	21.0	12.4	17.0	20.4
55.0	12.4	17.4	19.6	17.8	9.4	14.0	17.2
60.0	9.6	14.6	16.8	15.2	6.8	11.2	14.6
65.0	7.4	12.2	14.4	12.8	4.6	9.0	12.2
70.0	5.2	10.2	12.2	10.8	2.8	7.0	10.2
75.0	3.6	8.4	10.4	9.2		5.4	8.6
80.0		6.8	8.8	7.6		3.8	7.0
85.0		5.4	7.4	6.2			5.6
90.0		4.2	6.2	5.0			4.4
95.0		3.0	5.0	4.0			3.4
100.0			4.2	3.0			
105.0			3.2				
SLI Code	311						
Max. permitted windspeed	**10 m/s**						

	Crane with 19 600 lbs (8.9 t) counterweight (outrigger base 28.5 x 19.7 ft)								
	Main boom - fixed length in ft								
	50.9	69.4	69.4	69.4	69.4	69.4	87.9	87.9	87.9
Tel. sec. I	0.00	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. III	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
Tel. sec. IV	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
Tel. sec. V	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	1.00
Slewing range	360°								
Radius in feet	Lifting capacities in 1000 lbs								
10.0	338.0	238.0	246.0	212.0	242.0	144.0			
15.0	166.0	129.0	135.0	140.0	144.0	123.0	111.0	130.0	84.0
20.0	100.0	81.0	85.0	90.0	93.0	96.0	72.0	89.0	72.0
25.0	70.0	56.0	60.0	64.0	67.0	70.0	51.0	66.0	63.0
30.0	51.0	40.0	43.8	47.0	50.0	52.0	37.0	51.0	52.0
35.0	38.6	29.2	32.8	36.2	38.6	41.0	27.4	40.4	41.4
40.0		21.2	24.6	28.0	30.2	32.6	20.0	32.6	33.4
45.0		15.4	18.6	21.8	24.0	26.2	14.4	26.8	27.6
50.0		10.8	14.0	17.0	19.2	21.4	10.0	22.0	22.8
55.0		7.2	10.4	13.2	15.4	17.6	6.6	18.2	19.0
60.0							3.6	15.0	15.8
65.0								12.4	13.2
70.0								10.4	11.0
SLI Code	211								
Max. permitted windspeed	**14 m/s**								

Lifting loads > 350. 000 lbs can be lifted only with additional equipment.

3 077 557

	Crane with 19 600 lbs (8.9 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	106.5	106.5	106.5	106.5	125.0	125.0	125.0
Tel. sec. I	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.00
Tel. sec. III	0.50	0.50	0.50	0.00	0.50	0.50	0.50
Tel. sec. IV	0.00	0.50	0.50	0.50	0.50	0.50	0.50
Tel. sec. V	0.00	0.00	0.50	1.00	0.00	0.50	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
20.0	67.0	74.0	80.0	77.0	64.0	71.0	76.0
25.0	49.0	55.0	61.0	64.0	48.0	54.0	59.0
30.0	36.0	42.0	47.0	51.0	36.2	42.2	47.0
35.0	27.2	32.8	38.0	41.2	28.0	33.8	38.2
40.0	20.4	26.0	30.8	34.0	21.6	27.4	31.6
45.0	15.2	20.6	25.4	28.4	16.6	22.2	26.4
50.0	11.0	16.2	20.8	23.8	12.6	18.2	22.2
55.0	7.6	12.8	17.2	20.2	9.4	14.8	18.8
60.0	4.8	9.8	14.2	17.0	6.6	12.0	15.8
65.0		7.4	11.8	14.6	4.4	9.6	13.4
70.0		5.2	9.6	12.4		7.4	11.2
75.0		3.4	7.8	10.4		5.6	9.4
80.0			6.2	8.8		4.2	7.8
85.0			4.8	7.4		2.8	6.4
90.0			3.6	6.0			5.2
95.0							4.2
100.0							3.2
SLI Code	211						
Max. permitted windspeed	**12 m/s**						

	Crane with 19 600 lbs (8.9 t) counterweight (outrigger base 28.5 x 19.7 ft)						
	Main boom - fixed length in ft						
	143.5	143.5	143.5	162.1	162.1	162.1	162.1
Tel. sec. I	0.50	0.00	0.00	0.00	1.00	0.50	0.00
Tel. sec. II	0.50	0.50	0.00	0.00	0.50	0.50	0.50
Tel. sec. III	0.50	0.50	0.50	1.00	0.50	0.50	0.50
Tel. sec. IV	0.50	0.50	1.00	1.00	0.50	0.50	1.00
Tel. sec. V	0.50	1.00	1.00	1.00	0.50	1.00	1.00
Slewing range	360°						
Radius in feet	Lifting capacities in 1000 lbs						
25.0	47.0	53.0	55.0				
30.0	36.2	42.0	45.0	40.8	31.4	36.4	40.2
35.0	28.6	34.2	36.6	33.6	24.4	29.4	33.0
40.0	22.8	28.2	30.6	28.0	19.0	23.8	27.2
45.0	18.0	23.4	25.6	23.4	14.8	19.4	22.8
50.0	14.2	19.4	21.8	19.8	11.2	15.8	19.0
55.0	11.2	16.2	18.4	16.6	8.2	12.8	16.0
60.0	8.6	13.4	15.6	14.0	5.8	10.2	13.4
65.0	6.2	11.2	13.4	11.8	3.6	8.0	11.2
70.0	4.4	9.2	11.4	10.0		6.2	9.2
75.0	2.6	7.4	9.6	8.2		4.4	7.6
80.0		5.8	8.0	6.8		3.0	6.2
85.0		4.6	6.6	5.4			4.8
90.0		3.4	5.4	4.2			3.6
95.0			4.4	3.2			2.6
100.0			3.4				
SLI Code	211						
Max. permitted windspeed	**10 m/s**						

	Crane with 11 900 lbs (5.4 t) counterweight (outrigger base 28.5 x 19.7 ft)								
	Main boom - fixed length in ft								
	50.9	69.4	69.4	69.4	69.4	69.4	87.9	87.9	87.9
Tel. sec. I	0.00	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. III	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
Tel. sec. IV	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
Tel. sec. V	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	1.00
Slewing range	360°								
Radius in feet	Lifting capacities in 1000 lbs								
10.0	304.0	214.0	222.0	212.0	234.0	144.0			
15.0	148.0	115.0	120.0	125.0	129.0	123.0	98.0	117.0	84.0
20.0	89.0	71.0	75.0	79.0	82.0	86.0	63.0	79.0	72.0
25.0	61.0	48.0	52.0	56.0	59.0	61.0	43.8	59.0	60.0
30.0	43.6	33.4	37.2	40.8	43.4	46.0	31.0	45.0	46.0
35.0	32.4	23.6	27.2	30.6	33.0	35.4	22.0	35.2	36.0
40.0		16.4	19.8	23.0	25.4	27.8	15.4	28.0	29.0
45.0		11.0	14.4	17.4	19.8	22.0	10.4	22.6	23.4
50.0		7.0	10.0	13.2	15.4	17.4	6.4	18.4	19.0
55.0		3.6	6.8	9.8	12.0	14.0	3.2	14.8	15.6
60.0								12.0	12.8
65.0								9.6	10.4
70.0								7.8	8.4
SLI Code	111								
Max. permitted windspeed	**14 m/s**								

	Crane with 0 lbs (0 t) counterweight (outrigger base 28.5 x 19.7 ft)								
	Main boom - fixed length in ft								
	50.9	69.4	69.4	69.4	69.4	69.4	87.9	87.9	87.9
Tel. sec. I	0.00	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. II	0.00	0.00	0.50	0.00	0.00	0.00	0.50	0.00	0.00
Tel. sec. III	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
Tel. sec. IV	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
Tel. sec. V	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	1.00
Slewing range	360°								
Radius in feet	Lifting capacities in 1000 lbs								
10.0	256.0	177.0	185.0	192.0	197.0	144.0			
15.0	122.0	93.0	98.0	103.0	107.0	111.0	79.0	98.0	84.0
20.0	72.0	55.0	60.0	64.0	67.0	70.0	49.0	66.0	67.0
25.0	48.0	36.2	40.2	44.0	47.0	50.0	33.0	48.0	49.0
30.0	33.2	23.8	27.4	31.0	33.6	36.2	22.0	35.8	36.6
35.0	23.6	15.4	19.0	22.4	24.8	27.2	14.4	27.6	28.4
40.0		9.4	12.6	16.0	18.2	20.6	8.8	21.4	22.2
45.0		4.8	8.0	11.2	13.4	15.6	4.4	16.6	17.4
50.0			4.4	7.4	9.6	11.8		13.0	13.8
55.0				4.6	6.8	8.8		10.0	10.6
60.0								7.6	8.2
65.0								5.4	6.2
70.0								3.8	4.4
SLI Code	011								
Max. permitted windspeed	**14 m/s**								

Hook blocks and hook tackle

Description	Length x width x height in m (ft)	Weight in kg (lbs)
Double hook, 9 sheaves, lifting capacity **200 t (440 920 lbs)**	2,30 x 0,95 x 0,85 (7.55 x 3.12 x 2.79)	2 400 (5 290)
Double hook, 7 sheaves, lifting capacity **160 t (352 740 lbs)**	2,00 x 0,80 x 0,70 (6.56 x 2.62 x 2.30)	1 750 (3 860)
Double hook, 5 sheaves, lifting capacity **125 t (275 580 lbs)**	1,85 x 0,70 x 0,60 (6.07 x 2.30 x 1.97)	1 650 (3 640)
single hook, 3 sheaves, lifting capacity **80 t (176 370 lbs)**	1,95 x 0,65 x 0,40 (6.40 x 2.13 x 1.31)	950 (2 095)
Double hook, 3 sheaves, lifting capacity **80 t (176 370 lbs)**	1,75 x 0,65 x 0,40 (5.74 x 2.13 x 1.31)	950 (2 095)
single hook, 1 sheave, lifting capacity **32 t (70 550 lbs)**	1,50 x 0,65 x 0,35 (4.92 x 2.13 x 1.15)	600 (1 320)
Hook tackle, lifting capacity **12 t (26 455 lbs)**	0,91 x 0,35 x 0,35 (2.99 x 1.15 x 1.15)	300 (660)

Auxiliary hoist

Only with additional equipment

Description	Length x width x height in m (ft)	Weight in kg (lbs)
Auxiliary hoist including rope and connections	1,60[1)] x 1.30 x 0.85 (5.25[1)] x 4.26 x 3.28)	1700 (3 185)

[1)] Long hoisting gear frame approx. 1.60 m plus 0.5 m (3.60 ft plus approx. 1.6 ft) remaining hydraulic hoses that fit on the dummy connections.



08.07.2002

Rated Lifting Capacities

IMPORTANT NOTES:

WARNING: THIS CHART IS ONLY A GUIDE.

The notes below are for illustration only and should not be relied upon to operate the crane. The individual crane's load chart, operating instructions and other instruction plates must be read and understood prior to operating the crane.

1. All rated loads up to 420,000 pounds meet ANSI/ASME B30.5, Mobile and Locomotive Cranes. Testing and development were performed to SAEJ1063, Cantilevered Boom Crane Structures - Method of Test and SAEJ765 Crane Stability Test Code.

2. Capacities given do not include the weight of hook blocks, slings, auxiliary lifting equipment and load handling devices. Their weights must be added to the load to be lifted. When more than minimum required reeving is used, the additional rope weight shall be considered part of the load.

3. The machine shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to spread the load to a larger bearing surface.

4. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or next longer or shorter boom length shall be used.

5. For outrigger operation, outriggers shall be properly extended with tires raised off the ground before operating the boom or lifting loads.

† Comparative Rating

A rating designation based upon the premise that large capacity European cranes are typically purchased and used as long boom, high reach, long radius lift cranes, not as heavy lift cranes.

To provide a GMK 6250-L crane with the necessary equipment to achieve maximum lift capacity will drastically reduce long boom performance. Therefore, augmenting lifting equipment is required for buyers who require such capacities.

Symbols Glossary



GROVE®

GMK6250-L Features and Benefits



- MEGATRAK™ independent suspension and all wheel steer system allows all wheels to remain on the ground at all times so stresses and weight are not continually transferred between axles

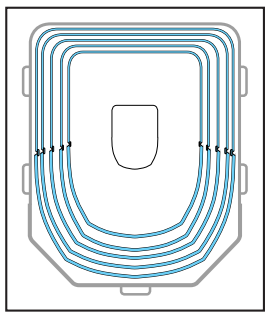
- ECOS (Electronic Crane Operating System) computerized system continuously monitors and controls principle crane functions as programmed by an operator



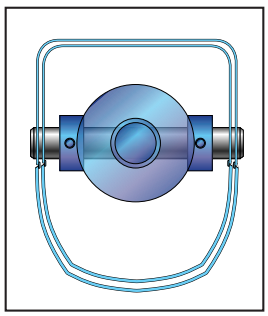


- EKS4 electronic load moment indicator operates in conjunction with ECOS continuously displaying crane configuration and load moment data

- MEGAFORM™ incorporates a “U” shape boom design which forms a natural cradle position for boom sections which eliminates stiffeners thus reducing weight and increasing capacity



- TWIN-LOCK™ boom pinning mechanism automatically pins the sections in position using two horizontal large diameter boom pins



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