GROVE®

# GMK6250-L

## product guide

## features

- 250-ton (220 mt) capacity
- 51-236 ft. (15.5-72 m) 6-section full power MEGAFORM™ boom with Twin-Lock™ pinning
- 43-72 ft. (13-22 m) hydraulic offset bi-fold swingaway
- 2 X 26 ft. (8 m) intermediate lattice inserts
- 154,300 lb. (77.15 t) counterweight with hydraulic removal system
- Chassis engine: Mercedes-Benz OM 502 LA, 571 hp (420 kW), torque 1991 ft./lb. (2700 Nm)
- Superstructure engine: Mercedes-Benz OM 904 LA, 177 hp (130 kW), torque 487 ft./lb. (660 Nm)
- MEGATRAK™ independent hydro-pneumatic suspension

## contents




All Terrain Crane

Manitowoc Crane Group

# features

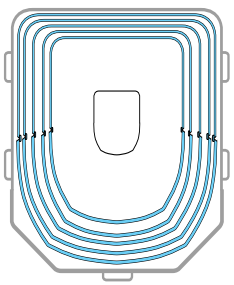


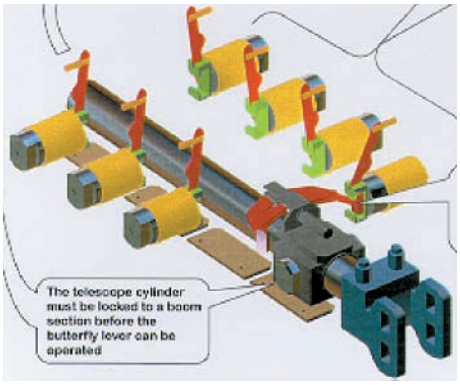
MEGATRAK™ independent suspension and all wheel steer system allows all wheels to remain on the ground at all times so stresses and weight are not continually transferred between axles


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

## Superstructure

### 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
Mercedes Benz OM904LA, diesel, 4 cylinders, water-cooled, turbocharged, 177 HP (130 kW) at 2200 rpm. Max. torque: 487 ft. lbs. (660 Nm) at 1200 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
*Stainless steel exhaust system

* Denotes optional equipment

# specifications

## Carrier



### 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
Mercedes-Benz OM502LA, diesel, 8 cylinders, water-cooled, turbocharged, 571 HP (420 kW) at 1800 rpm. Max. torque: 1991 ft. lbs. (2700 Nm) at 1080 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 hydro-pneumatic 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, 16.00 R25 (vehicle width 9' 10")

### 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.

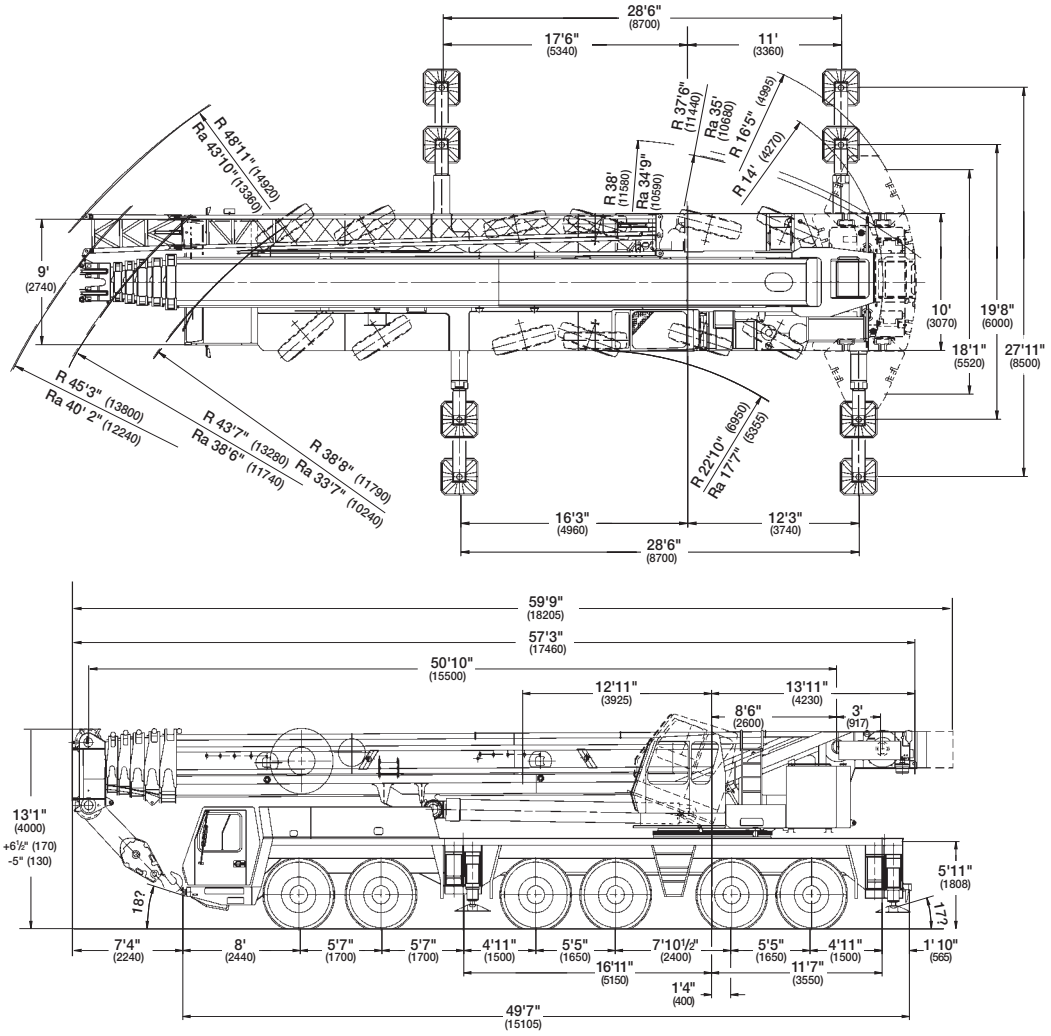
### Maximum Speed
48 mph (77km/h) with 20.5 R25 tires

### 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
* 20.5 R25 tires (vehicle width 10 ft. 2 in. [3.1 m])
* 14.00 R25 tires (vehicle width 9 ft. 9 in. [2.98 m])
* Outrigger pressure measurement devices
* Engine-independent hot water heater, with engine pre-heater
* Trailing boom "boost" weight transfer kit
* Air conditioning

## Weights & Dimensions




**Note: ( ) Reference dimensions in mm**

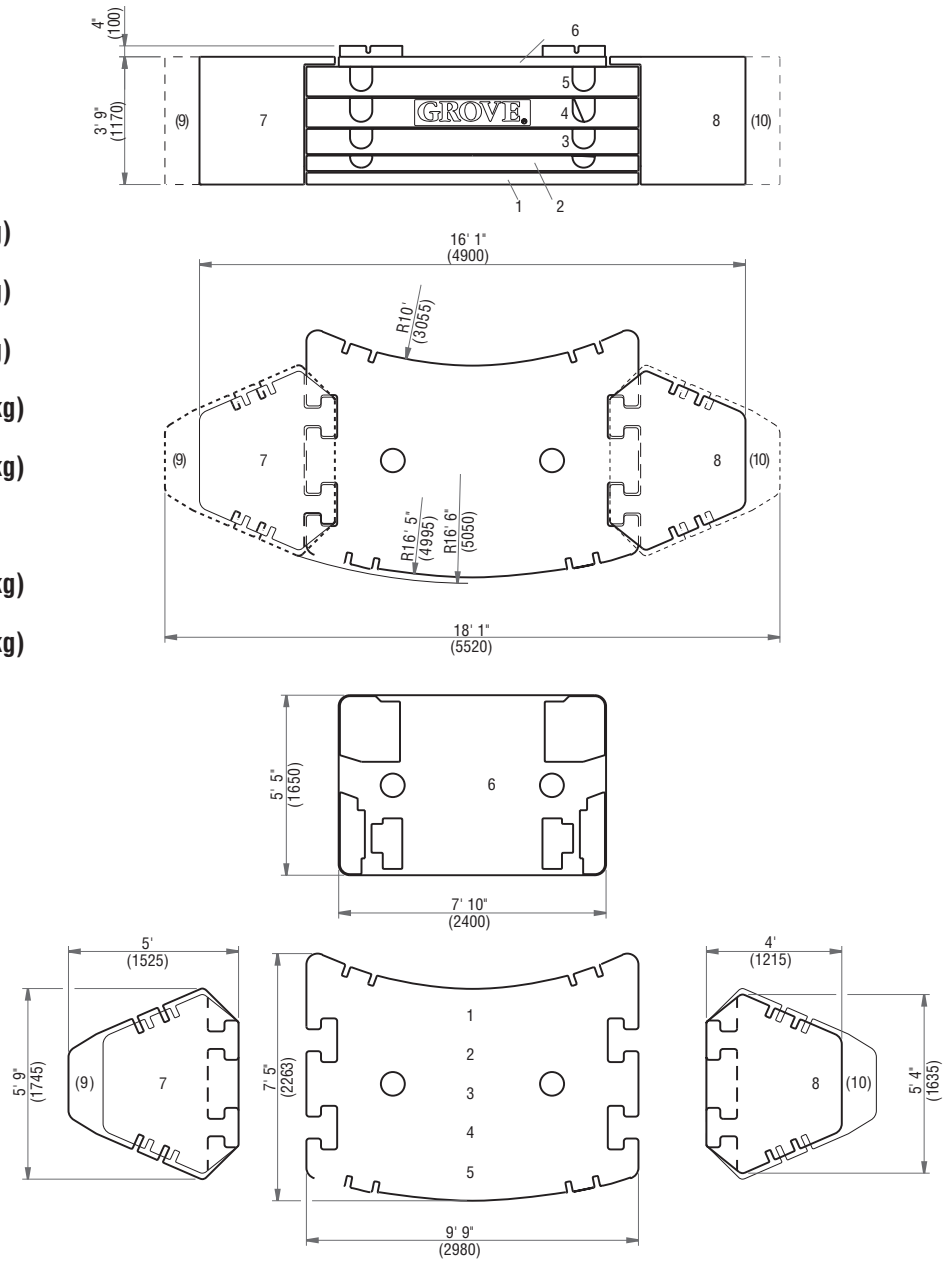
| BASIC WEIGHTS (LBS.) | Axles 1& 2 | Axles 3 - 6 | Total |
|---|---|---|---|
| With Mercedes Power, 20.5 R25 Tires (12x6x12) | 47,140 | 98,294 | 145,434 |
| Additions: | | | |
| Outrigger Pads | 0 | 772 | 772 |
| Auxiliary Hoist | -(2,892) | 6,618 | 3,726 |
| Additional Hydraulic Oil Cooler (Standard) | -(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 | 6,753 | -(17,555) | -(10,802) |

*Reflects weights with superstructure facing forward

# counterweight



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. 22,000 lbs. (10 000 kg)
8. 22,000 lbs. (10 000 kg)
9. 6,600 lbs. (3 000 kg)
10. 6,600 lbs. (3 000 kg)




**Note: () Reference dimensions in mm**

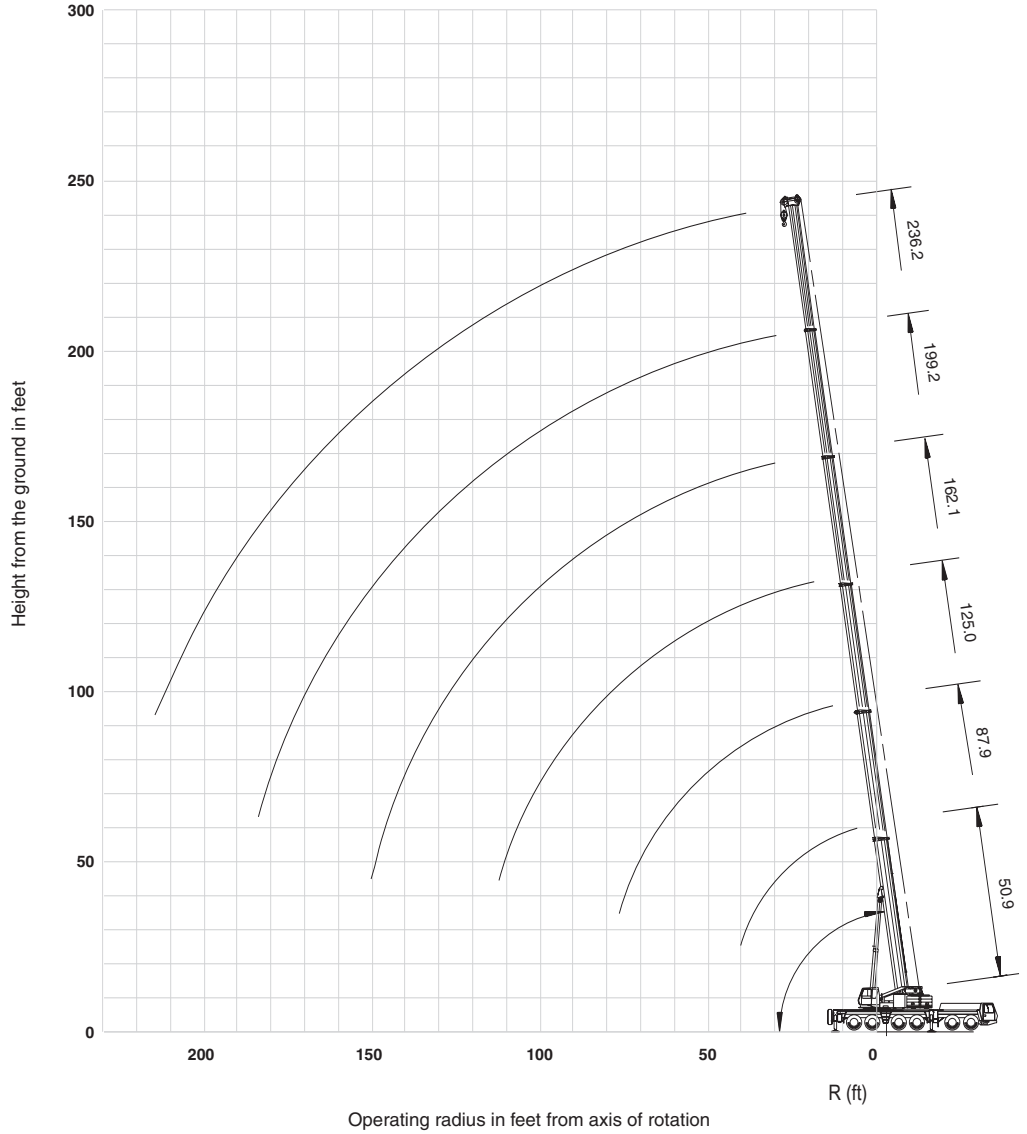
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 23,100 lbs. | x | x | | | | | | | | |
| 30,800 lbs. | x | x | | | | x | | | | |
| 49,600 lbs. | x | x | x | | | x | | | | |
| 73,800 lbs. | x | x | x | x | | x | | | | |
| 97,000 lbs. | x | x | x | x | x | x | | | | |
| 141,000 lbs. | x | x | x | x | x | x | * | * | | |
| 154,300 lbs. | x | x | x | x | x | x | x | x | 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.

# working range

## 51'-236' (15.5-72m) Main Boom





# load charts



51 - 236 ft. (15.5 - 72 m) | 154,300 lbs. (70mt) | 100% 27'11" Spread | 360°

| Feet | Pounds (thousands) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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
*Over rear, 19.7 ft. outrigger span

51 - 236 ft. (15.5 - 72 m) | 97,000 lbs. (44mt) | 100% 27'11" Spread | 360°

| Feet | Pounds (thousands) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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

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. (0mt) | 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 | | | | | |

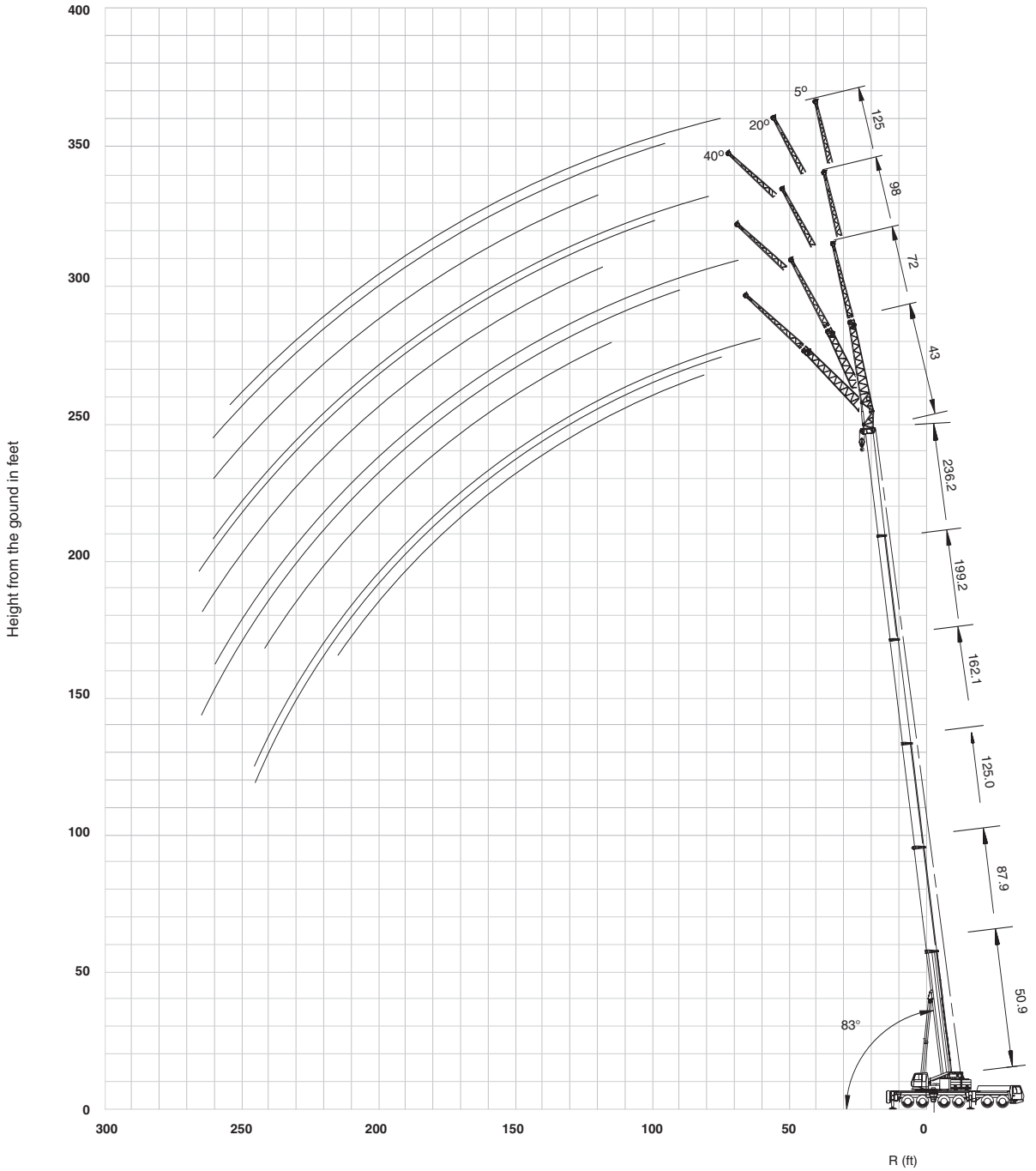
Loads >350,000 lb. can only be lifted with additional equipment

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

**236' (72m) Main Boom With 43'-72' (13-22m) Lattice Swingaway Extension and Two 26' (8m) Inserts**

10




GMK6250-L

GROVE

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) | 154,300 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 | | 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)

| 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 | 12.8 | 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 | | | | | | | | |

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# load charts




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

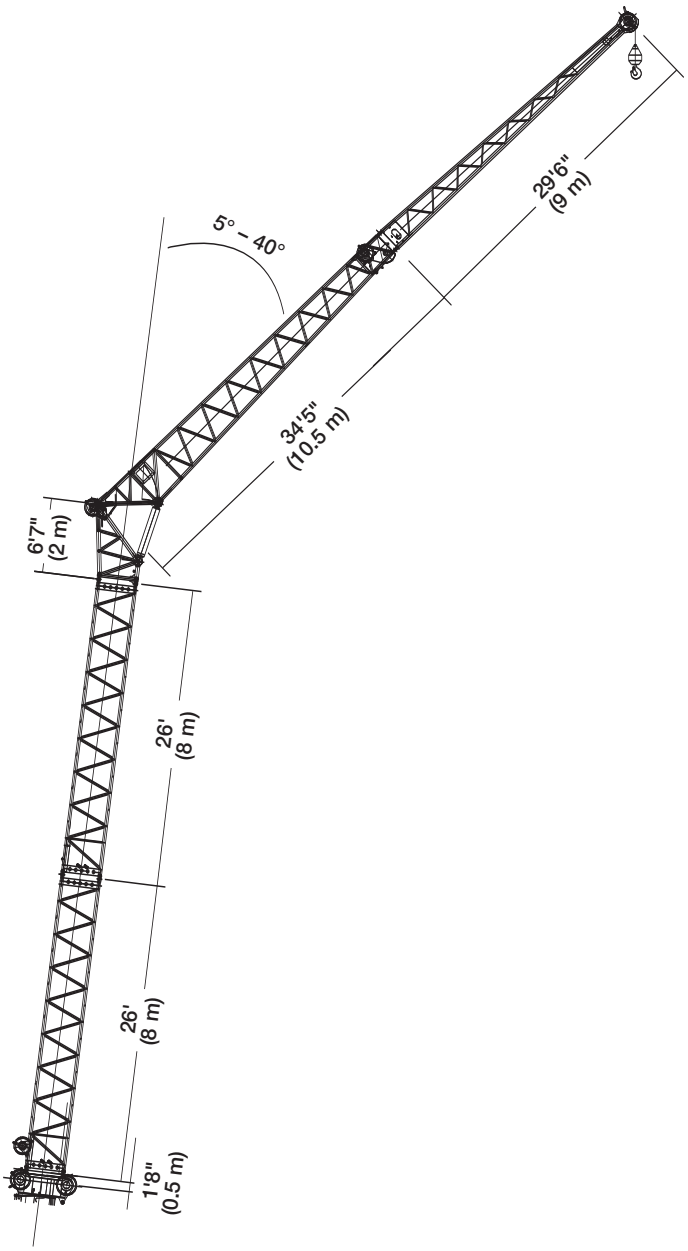

360°


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 |

# boom extension configurations






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

# 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.

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# notes

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**Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.**

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