



# GROVE<sup>®</sup>

## 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

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All Terrain Crane



## features

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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

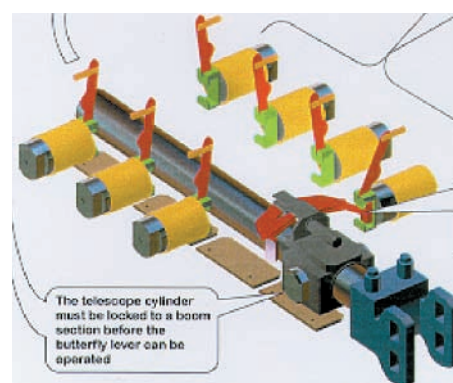
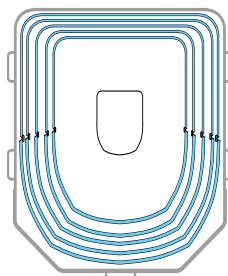


ECOS (Electronic Crane Operating System) computerized system continuously monitors and controls principle crane functions as programmed by an operator



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

# specifications

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

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# specifications

## Carrier

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### 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

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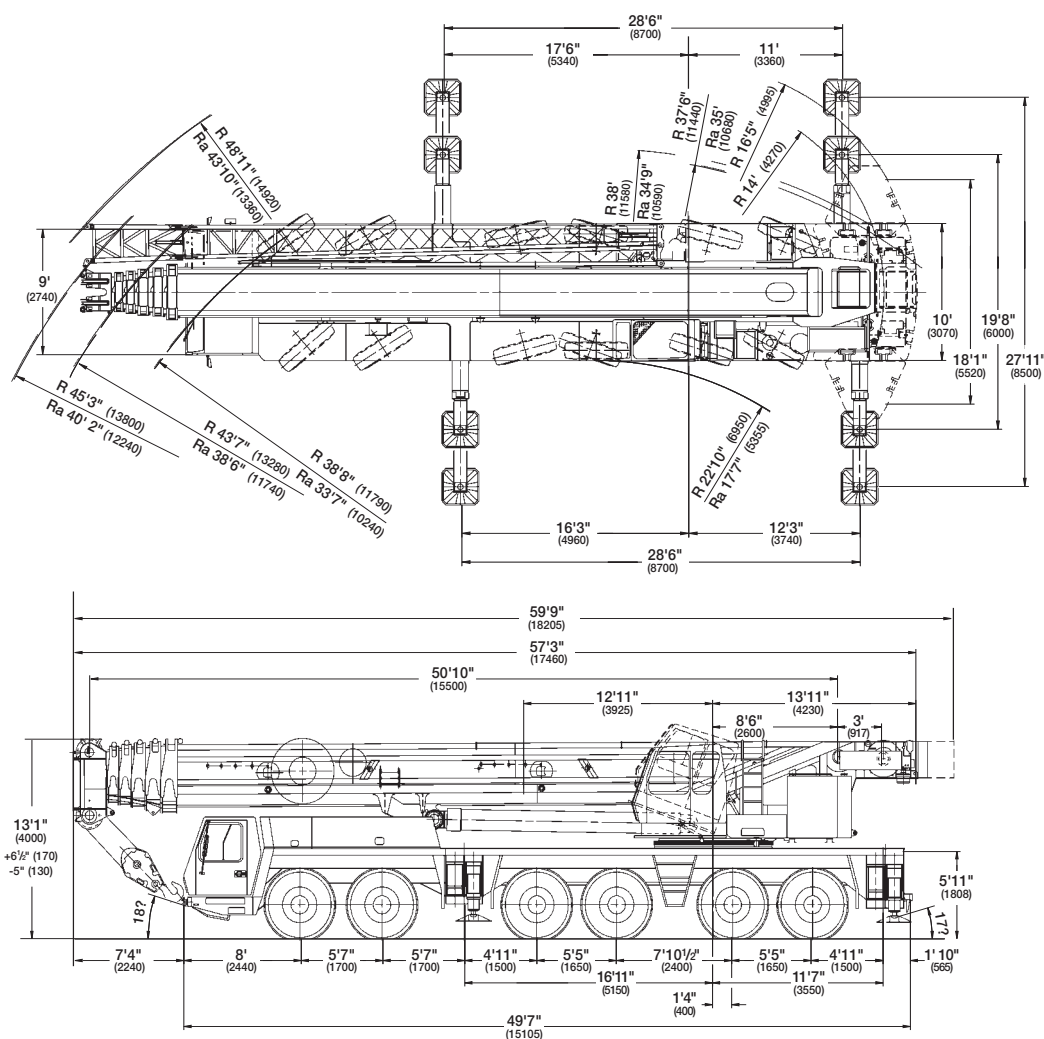
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# dimensions

## Weights & Dimensions

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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

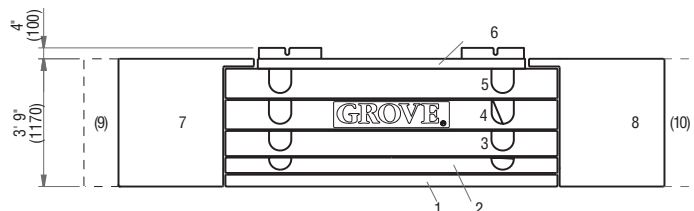
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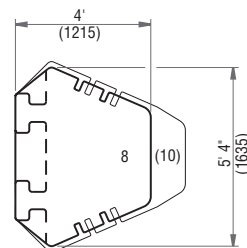
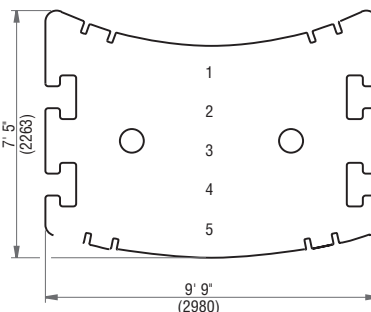
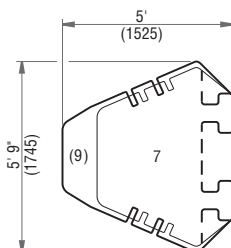
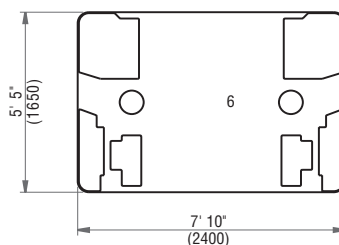
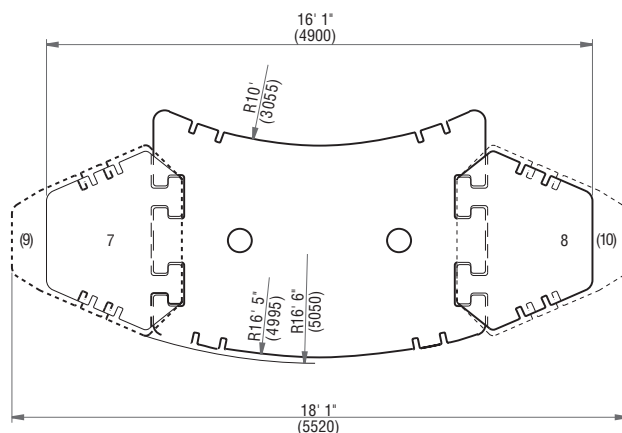


# counterweight

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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.

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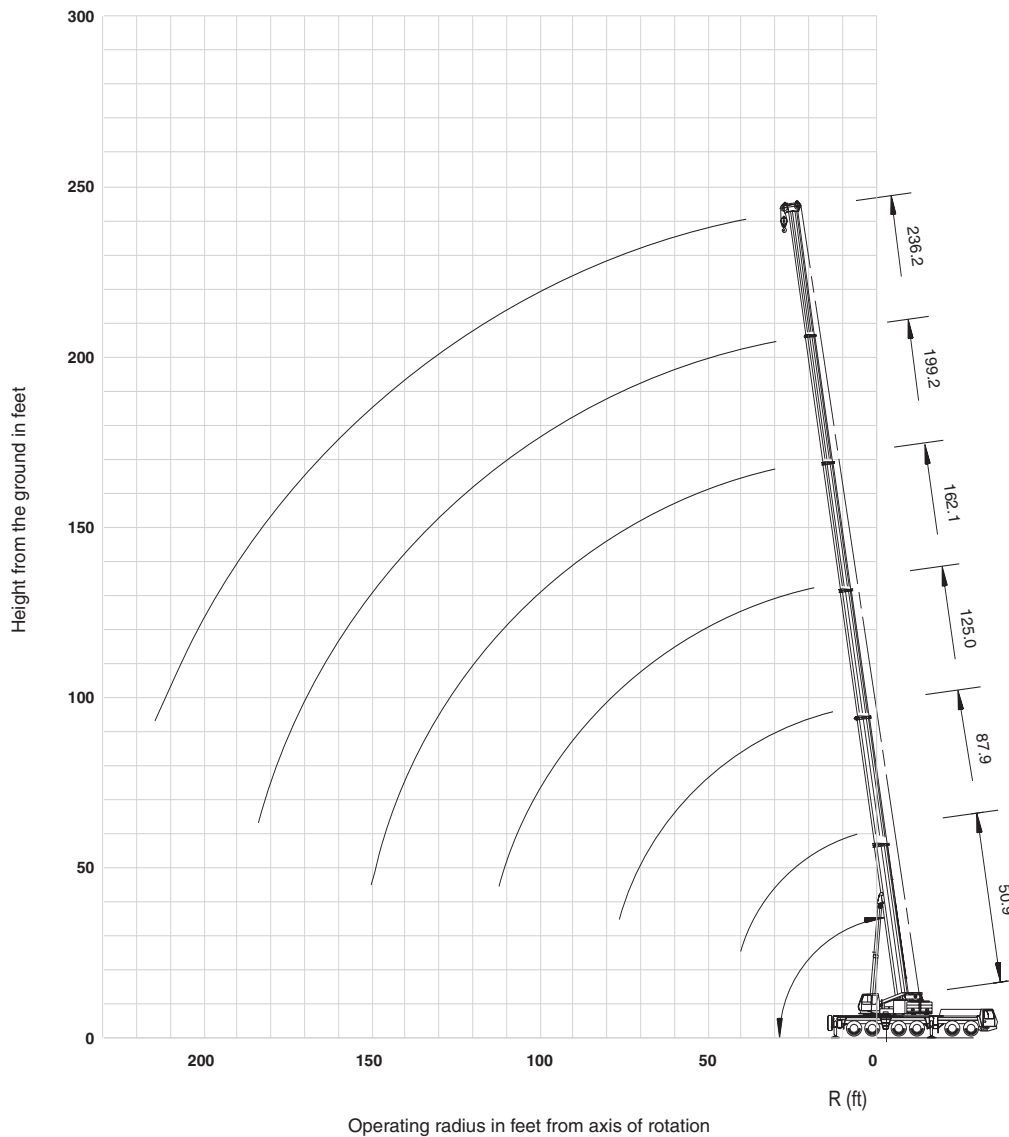
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## working range

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

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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.

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# load charts

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|      |  51 - 236 ft.<br>(15.5 - 72 m)                                                                        |  154,300 lbs.<br>(70mt) |  100%<br>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   | 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.<br>(15.5 - 72 m) |  97,000 lbs.<br>(44mt) |  100%<br>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                                                                                                     |                                                                                          |       |       |       |       |       |       |       |
| 25                                                                                  | 188.0                                                                                                             | 190.0                                                                                                     | 186.0                                                                                                     | 157.0                                                                                    | 120.0 |       |       |       |       |       |       |
| 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

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.



## load charts

| <div><div>51 - 236 ft.<br/>(15.5 - 72 m)</div><div>49,600 lbs.<br/>(22.5mt)</div><div>100%<br/>27'11" Spread</div><div>360°</div></div> |                                                                                                                |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                            | <div>Pounds (thousands)</div> |       |       |       |       |       |       |       |       |       |       |
| 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 &gt;350,000 lb. can only be lifted with additional equipment

|                                                                                     |                                                                                                        |                                                                                    |                                                                                    |       |       |       |       |       |       |       |       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|   |                      |  |  |       |       |       |       |       |       |       |       |
| 51 - 236 ft.<br>(15.5 - 72 m)                                                       | 30,800 lbs.<br>(14mt)                                                                                  | 100%<br>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 &gt;350,000 lb. can only be lifted with additional equipment

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |       |                    |       |       |       |       |       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-------|--------------------|-------|-------|-------|-------|-------|
|  |  |  |  |       |       |                    |       |       |       |       |       |
| 51 - 236 ft.<br>(15.5 - 72 m)                                                       | 0 lbs.<br>(0mt)                                                                     | 100%<br>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 &gt;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.

GROVE

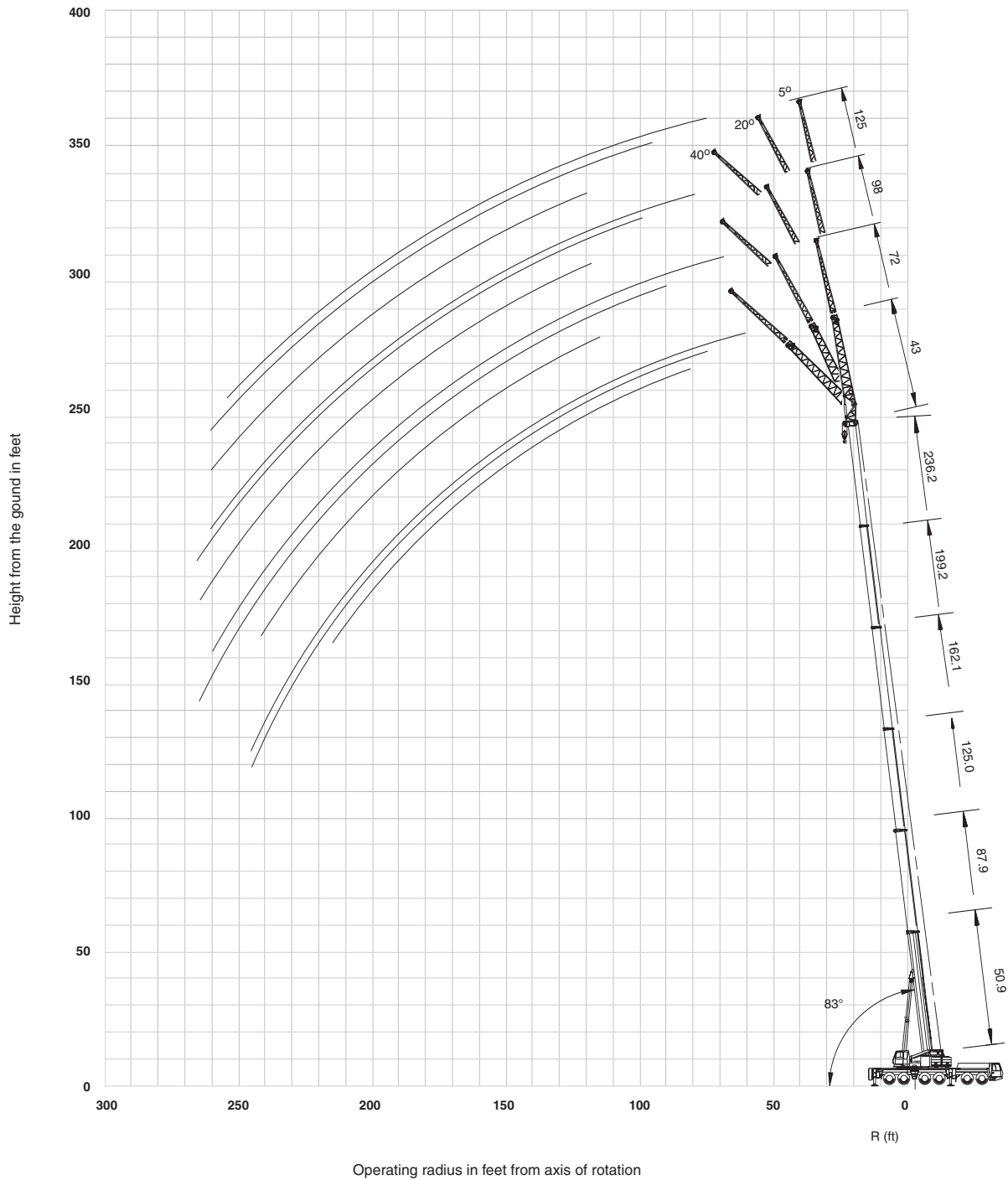
GMK6250-L



## working range

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

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GMK 6250-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.



## load charts

|                                                                                   |                                                                                                      |                                                                                   |                                                                                   |                                                                                   |              |     |     |              |     |     |               |     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|-----|-----|--------------|-----|-----|---------------|-----|
|  |                     |  |  |  |              |     |     |              |     |     |               |     |
| 236 ft.<br>(72 m)                                                                 | 43-72-98-125 ft.<br>(13-22-30-38 m)                                                                  | 154,300 lbs.<br>(70mt)                                                            | 100%<br>27'11" Spread                                                             | 360°                                                                              |              |     |     |              |     |     |               |     |
|  |  Pounds (thousands) |                                                                                   |                                                                                   |                                                                                   |              |     |     |              |     |     |               |     |
| Feet                                                                              | 5°                                                                                                   | 43 FT<br>20°                                                                      | 40°                                                                               | 5°                                                                                | 72 FT<br>20° | 40° | 5°  | 98 FT<br>20° | 40° | 5°  | 125 FT<br>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 |

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| Pounds (thousands) |        |         |        |         |        |         |        |         |  |  |  |
|--------------------|--------|---------|--------|---------|--------|---------|--------|---------|--|--|--|
| Feet               | 43 FT  |         | 72 FT  |         | 98 FT  |         | 125 FT |         |  |  |  |
|                    | 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     |  |  |  |

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.

GROVE

GMK6250-L



# load charts

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|      |                    |              |                                     |     |                       |     |                       |              |      |     |               |     |
|------|--------------------|--------------|-------------------------------------|-----|-----------------------|-----|-----------------------|--------------|------|-----|---------------|-----|
|      | 236 ft.<br>(72 m)  |              | 43-72-98-125 ft.<br>(13-22-30-38 m) |     | 97,000 lbs.<br>(70mt) |     | 100%<br>27'11" Spread |              | 360° |     |               |     |
|      | Pounds (thousands) |              |                                     |     |                       |     |                       |              |      |     |               |     |
| Feet | 5°                 | 43 FT<br>20° | 40°                                 | 5°  | 72 FT<br>20°          | 40° | 5°                    | 98 FT<br>20° | 40°  | 5°  | 125 FT<br>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                   |     | 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 | 8.6                   | 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.<br>(72 m)                                   |         | 43-72-98-125 ft.<br>(13-22-30-38 m) |         | 97,000 lbs.<br>(70mt) |         | 100%<br>27'11" Spread |         | 360° |
|      | <div><div></div><div>Pounds (thousands)</div></div> |         |                                     |         |                       |         |                       |         |      |
| Feet | 43 FT                                               |         | 72 FT                               |         | 98 FT                 |         | 125 FT                |         |      |
|      | 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  | 12.6                                                | 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     |      |

GMK6250-L

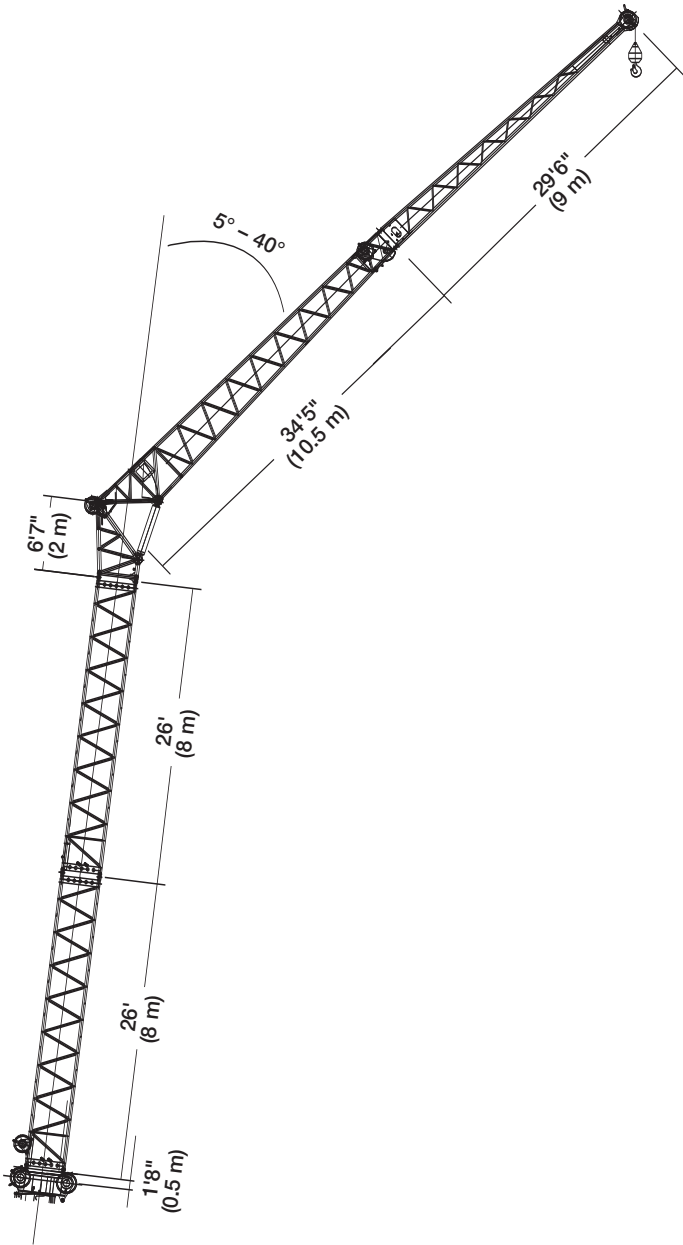
GROVE

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.



# boom extension configurations

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| 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             |

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.

GMK 6250-L

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# 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

|                                                                                     |                             |                                                                                       |                  |
|-------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|------------------|
|    | Frame                       |    | Steering         |
|    | Outriggers                  |    | Transmission     |
|    | Outrigger Controls          |    | Axles            |
|    | Engine                      |    | Brakes           |
|    | Fuel Tank Capacity          |    | Tires            |
|    | Electrical System           |    | Suspension       |
|   | Drive                       |   | Rotation         |
|  | Lights                      |  | Boom Elevation   |
|  | Cab                         |  | Swing            |
|  | Boom                        |  | Counterweight    |
|  | Fixed Swingaway             |  | Oil              |
|  | Tele-Swingaway              |  | Hydraulic System |
|  | Lattice Extension (Luffing) |  | Hoist            |
|  | Boom Nose                   |  | Radius           |
|  | Boom Extension              |  | Boom Length      |
|  | Speed                       |  | Hookblock        |
|  | Grade                       |  | Gear             |
|  | Lattice Extension           |  | Luffing Jib      |



**notes**

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**GMK6250-L**

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