GROVE® by Manitowoc

GMK4100L-1

Capacity: 100 t
Main boom: 11,4 m – 60 m
Maximum jib: 11 m - 25,6 m
Maximum tip height: 89 m

Operator's cab

Telescopic swingaway jib with hydraulic offset (0°-45°) (optional)

Seven-section, laser hybrid welded MEGAFORM™ boom

Tier 4 Final Mercedes OM470LA six-cylinder engine

Hoist camera (optional)

Auxiliary hoist (optional)

Counterweight with hydraulic removal system

Rear view camera (optional)

Boom head camera (optional)

Active suspension control

All-wheel steering

New carrier cab

Five- position outriggers

8x6x8 driveline, 8x8x8 (optional)

MEGATRAK™ independent suspension

Contact your local dealer for more information, or to find your dealer go to www.manitowoccranes.com/dealers

Benefits

Powerful everywhere

- One global counterweight split to suit all regional needs
- Best taxi load charts in class
- Compact dimensions - minimal width of 2,55 m

Optimized fuel efficiency

- Single-engine concept desigh using a Mercedes OM470LA engine
- Six-cylinder engine with Mercedes G280-16 transmission
- Optimized for best fuel efficiency in both carrier and superstructure operation due to latest Tier 4 Final engine technology and optional auxiliary power supply

New comfortable driver and operator cabs

- Highly ergonomically and convenient drivers cab
- Operators cab made of durable aluminum construction
- Hydraulically tilt up to 20° for better view of load
- CCS full graphic displays for crane monitoring
- Boom configurator mode for easiest set-up

Longer swingaway and boom extension

- Stows on the side of the base boom for easy transport
- 11 m - 17,6 m telescopic swingaway extension, hydraulically offsettable and luffing under load, 0°- 45°
- Maximum tip height: 89 m
- 8 m boom extension
- Allows lift over obstacles in great heights
- Optional integrated heavy duty jib

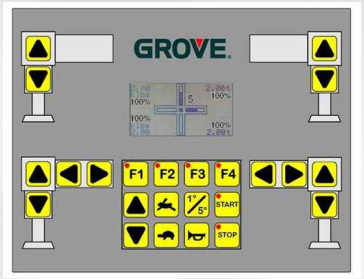
Seven-section MEGAFORM™ boom

- "Egg" shaped cross-section that provides a natural cradling position
- Large easy-access wear pads provide superior boom alignment when telescoping and allow an excellent transition of weights between sections
- Less weight and larger cross section are used, giving greater lifting capacity at all radii
- No stiffeners on base section which saves weights without losing capacity
- Latest laser hybrid welding technology

TWIN-LOCK™

- Fully hydraulic pinning system with electronic controls
- Single telescopic cylinder uses two horizontally mounted pins to move a boom section into the required position while allowing the boom to operate in a neutral zone
- Reduces weight to strengthen the crane and increase lifting capacity

Human Machine Interface (HMI)



- Allows for control of the MEGATRAK™ suspension system from both sides of the carrier
- Ground clearance can be adjusted independent of the outriggers
- Offers greater flexibility on the job site
- Includes active suspension control and the outrigger pressure monitoring system is standard

Five-position outrigger jacks

- Position settings: 0%, 50%, 66%, 83% and 100%
- Four hydraulic two stage outrigger beams with vertical cylinders and outrigger pads
- Carrier mounted controls and CCS controls located on superstructure

Steer by wire

- Off highway: axles 3 and 4 are steered by wire, controlled by the steering wheel and independent rocker switch for coordinated, crab and independent steering
- On highway: axles 3 and 4 are steer by wire based on machine speed
- Reduced tire wear due to optimized steering angles
- Hydraulic-electronic steering system

MEGATRAK™

- Independent suspension and all-wheel steer system
- Offers a ground clearance up to 600 mm
- Suspension can be raised 170 mm or lowered 130 mm
- Driveline remains aligned at all times

Manitowoc®