

**Capacity:** 115 USt

**Main boom:** 37 ft - 197 ft

**Maximum jib:** 36 ft - 84 ft

**Maximum tip height:** 292 ft



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

Auxiliary hoist (optional)

Counterweight with hydraulic removal system

Rear view camera (optional)

Boom head camera (optional)

New carrier cab

Five-position outriggers

8x6x8 driveline, 8x8x8 (optional)

MEGATRAK™ independent suspension

All-wheel steering

Active suspension control



Contact your local dealer for more information, or to find your dealer go to [www.manitowoccranes.com/dealers](http://www.manitowoccranes.com/dealers)

## Benefits

### Powerful everywhere

- One global counterweight split to suit all regional needs
- Best load charts in class
- Compact dimensions - minimal width of 8.4 ft

### Optimized fuel efficiency

- Six cylinder engine Mercedes OM470LA with 435 HP
- Mercedes G280-16 transmission
- Optimized for best fuel efficiency in both carrier and superstructure operation due to latest Tier 4 Final engine technology
- New fuel saver technology and optional auxiliary power supply available

### 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 jib and extension

- Stows on the side of the base boom for easy transport
- 36 ft - 58 ft telescopic swingaway extension, hydraulically offsettable and luffing under load, 0°- 45°
- Maximum tip height: 292 ft
- 26 ft boom extension
- Allows lift over obstacles in great heights
- Optional integrated heavy duty jib, which can be used in combination with the 26 ft boom extension

## Seven-section MEGAFORM™ boom

- "Egg" shaped cross-section
- 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™

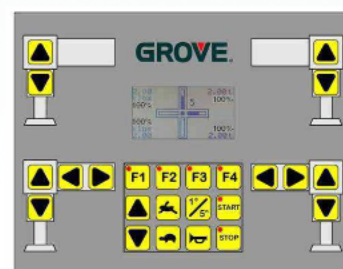
- Fully hydraulic pinning system with electronic controls
- Single telescopic cylinder uses two horizontally mounted pins to move a boom section into the required position while allowing the boom to operate in a neutral zone
- Reduces weight to strengthen the crane and increase lifting capacity

## 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

## Man Machine Interface (MMI)

- 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



## Steer by wire

- Off highway: front axles are controlled by the steering wheel and rear axles are controlled by an independent rocker switch for coordinated, crab and independent steering
- On highway: axles 1, 2 and 4 are steered up to 30 mph depending on machine speed. Above 30 mph axles 1 and 2 steer
- Reduced tire wear due to optimized steering angles
- Hydraulic-electronic steering system

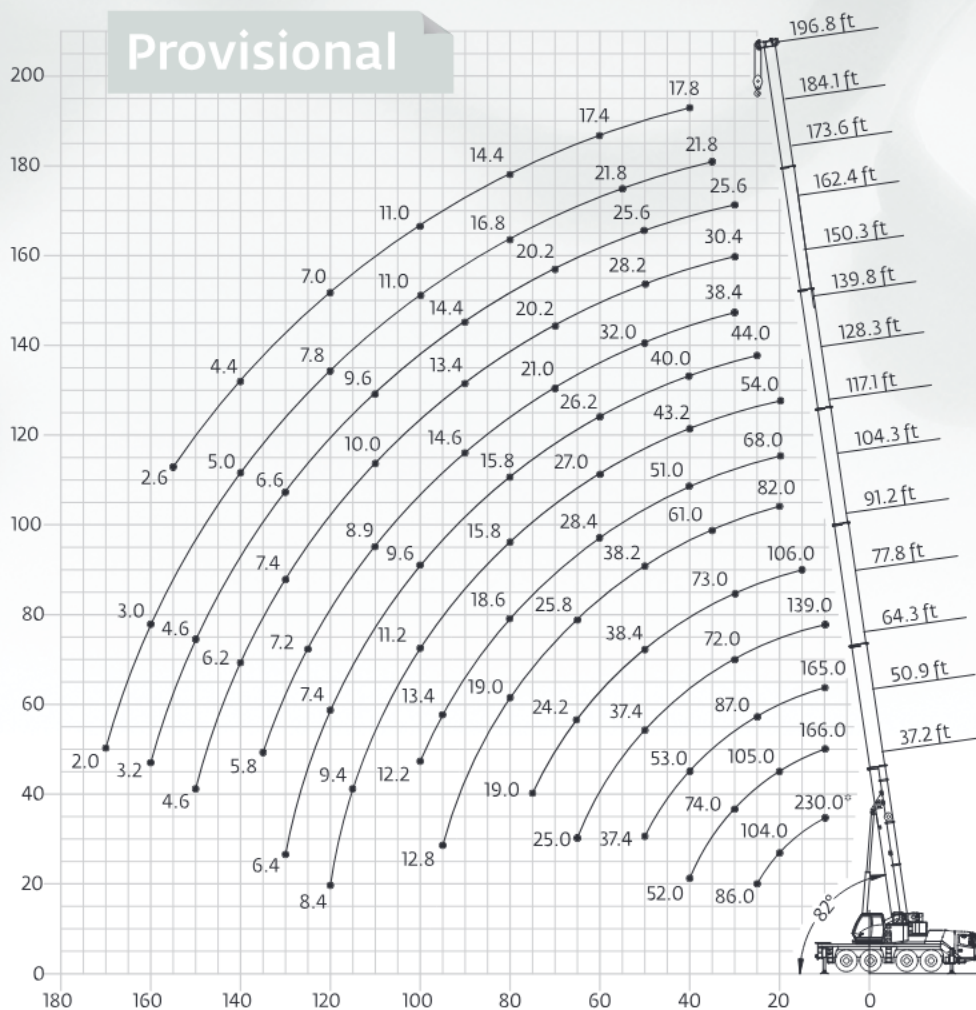
## MEGATRAK™

- Independent suspension and all-wheel steer system
- Offers a ground clearance up to 2 ft
- Suspension can be raised 6.5 in or lowered 5 in
- Driveline remains aligned at all times



# Working range and load chart

## Main boom



37.2 ft- 196.8 ft



58,000 lb



723.6 ft  
(100%)



360°



Pounds x 1000

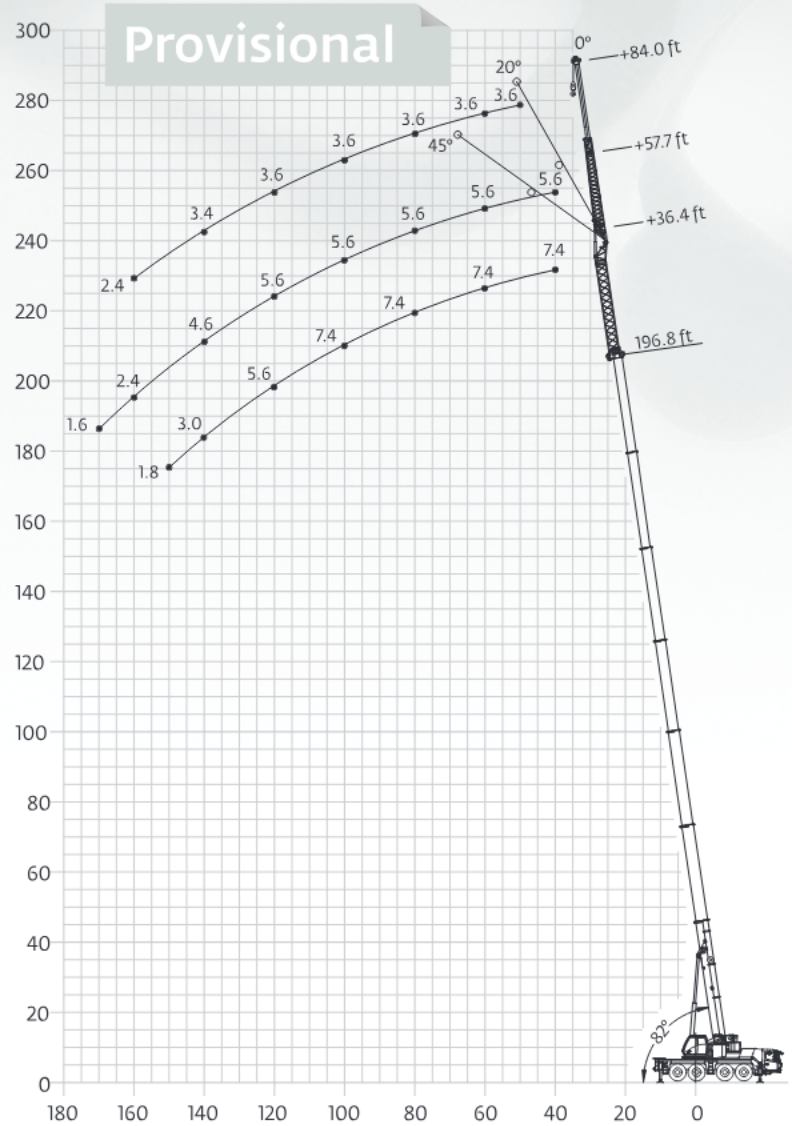
**Provisional**

| Feet  | 37.2   | 50.9  | 64.3  | 77.8  | 91.2  | 104.3 | 117.1 | 128.3 | 139.8 | 150.3 | 162.4 | 173.6 | 184.1 | 190.4 | 196.8 | Feet  |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8.0   | 230.0* |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 8.0   |
| 10.0  | 166.0  | 166.0 | 165.0 | 139.0 |       |       |       |       |       |       |       |       |       |       |       | 10.0  |
| 15.0  | 130.0  | 130.0 | 129.0 | 128.0 | 106.0 |       |       |       |       |       |       |       |       |       |       | 15.0  |
| 20.0  | 104.0  | 105.0 | 105.0 | 104.0 | 100.0 | 82.0  | 68.0  | 54.0  |       |       |       |       |       |       |       | 20.0  |
| 25.0  | 86.0   | 88.0  | 87.0  | 86.0  | 87.0  | 76.0  | 67.0  | 54.0  | 44.0  |       |       |       |       |       |       | 25.0  |
| 30.0  |        | 74.0  | 73.0  | 72.0  | 73.0  | 69.0  | 62.0  | 52.0  | 44.0  | 38.4  | 30.4  | 25.6  |       |       |       | 30.0  |
| 35.0  |        | 62.0  | 61.0  | 61.0  | 61.0  | 61.0  | 57.0  | 48.0  | 43.0  | 38.2  | 30.4  | 25.6  | 21.8  |       |       | 35.0  |
| 40.0  |        | 52.0  | 53.0  | 53.0  | 51.0  | 51.0  | 51.0  | 43.2  | 40.0  | 36.8  | 30.4  | 25.6  | 21.8  | 19.0  | 17.8  | 40.0  |
| 45.0  |        |       | 45.0  | 44.0  | 45.0  | 43.0  | 43.2  | 39.2  | 36.6  | 34.4  | 30.0  | 25.6  | 21.8  | 19.0  | 17.8  | 45.0  |
| 50.0  |        |       | 37.4  | 37.4  | 38.4  | 38.2  | 37.4  | 35.4  | 33.4  | 32.0  | 28.2  | 25.6  | 21.8  | 19.0  | 17.8  | 50.0  |
| 55.0  |        |       |       | 33.2  | 32.8  | 34.2  | 32.6  | 30.8  | 30.0  | 29.4  | 26.4  | 24.6  | 21.8  | 18.8  | 17.6  | 55.0  |
| 60.0  |        |       |       | 28.6  | 28.0  | 29.6  | 28.4  | 27.0  | 26.2  | 26.6  | 24.6  | 23.2  | 21.6  | 18.6  | 17.4  | 60.0  |
| 65.0  |        |       |       | 25.0  | 24.2  | 25.8  | 25.2  | 23.8  | 23.2  | 23.6  | 22.8  | 21.8  | 20.6  | 18.4  | 17.0  | 65.0  |
| 70.0  |        |       |       |       | 21.4  | 22.8  | 23.0  | 20.8  | 20.4  | 21.0  | 20.2  | 20.2  | 19.6  | 17.8  | 16.4  | 70.0  |
| 75.0  |        |       |       |       | 19.0  | 20.6  | 21.0  | 18.0  | 18.0  | 18.8  | 18.0  | 18.4  | 18.4  | 17.2  | 15.4  | 75.0  |
| 80.0  |        |       |       |       |       | 19.0  | 18.6  | 15.8  | 15.8  | 17.2  | 16.2  | 16.8  | 16.8  | 16.2  | 14.4  | 80.0  |
| 85.0  |        |       |       |       |       | 17.2  | 16.6  | 14.0  | 13.8  | 16.2  | 14.4  | 15.8  | 15.0  | 15.0  | 13.4  | 85.0  |
| 90.0  |        |       |       |       |       | 15.8  | 15.0  | 12.8  | 12.2  | 14.6  | 13.4  | 14.4  | 13.6  | 13.8  | 12.6  | 90.0  |
| 95.0  |        |       |       |       |       | 12.8  | 13.4  | 12.0  | 10.8  | 13.2  | 12.6  | 13.0  | 12.2  | 12.4  | 11.8  | 95.0  |
| 100.0 |        |       |       |       |       |       | 12.2  | 11.2  | 9.6   | 12.0  | 11.8  | 11.8  | 11.0  | 11.4  | 11.0  | 100.0 |
| 105.0 |        |       |       |       |       |       |       | 10.6  | 8.6   | 10.8  | 11.0  | 10.6  | 10.0  | 10.2  | 10.0  | 105.0 |
| 110.0 |        |       |       |       |       |       |       | 10.2  | 8.0   | 9.8   | 10.0  | 9.6   | 9.4   | 9.0   | 9.0   | 110.0 |
| 115.0 |        |       |       |       |       |       |       | 9.4   | 7.8   | 8.8   | 9.2   | 8.6   | 8.6   | 8.0   | 8.0   | 115.0 |
| 120.0 |        |       |       |       |       |       |       | 8.4   | 7.4   | 8.0   | 8.4   | 7.6   | 7.8   | 7.2   | 7.0   | 120.0 |
| 125.0 |        |       |       |       |       |       |       |       | 6.8   | 7.2   | 7.6   | 7.0   | 7.0   | 6.4   | 6.4   | 125.0 |
| 130.0 |        |       |       |       |       |       |       |       | 6.4   | 6.6   | 7.4   | 6.6   | 6.4   | 5.6   | 5.4   | 130.0 |
| 135.0 |        |       |       |       |       |       |       |       |       | 5.8   | 6.8   | 6.0   | 5.6   | 5.0   | 5.0   | 135.0 |
| 140.0 |        |       |       |       |       |       |       |       |       |       | 6.2   | 5.6   | 5.0   | 4.4   | 4.4   | 140.0 |
| 145.0 |        |       |       |       |       |       |       |       |       |       |       | 5.6   | 5.0   | 4.4   | 3.6   | 145.0 |
| 150.0 |        |       |       |       |       |       |       |       |       |       |       |       | 4.6   | 3.8   | 3.2   | 150.0 |
| 155.0 |        |       |       |       |       |       |       |       |       |       |       |       |       | 4.0   | 2.6   | 155.0 |
| 160.0 |        |       |       |       |       |       |       |       |       |       |       |       |       |       | 2.4   | 160.0 |
| 170.0 |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 170.0 |

\*Over rear

## Working range and load chart

### Swingaway jib and extension



196.8 ft

36.4 ft - 84 ft

58,000 lb

23.6 ft  
(100%)

360°



Pounds x 1000

**Provisional**

| Feet  | 0°  | 36.4<br>0°-20° | 20°-45° | 0°  | 57.7<br>0°-20° | 20°-45° | 0°  | 84.0<br>0°-20° | 20°-45° | Feet  |
|-------|-----|----------------|---------|-----|----------------|---------|-----|----------------|---------|-------|
| 40.0  | 7.4 |                |         | 5.6 |                |         |     |                |         | 40.0  |
| 45.0  | 7.4 |                |         | 5.6 |                |         |     |                |         | 45.0  |
| 50.0  | 7.4 | 7.4            |         | 5.6 |                |         | 3.6 |                |         | 50.0  |
| 55.0  | 7.4 | 7.4            |         | 5.6 |                |         | 3.6 |                |         | 55.0  |
| 60.0  | 7.4 | 7.4            |         | 5.6 |                |         | 3.6 |                |         | 60.0  |
| 65.0  | 7.4 | 7.4            |         | 5.6 |                |         | 3.6 |                |         | 65.0  |
| 70.0  | 7.4 | 7.4            | 7.0     | 5.6 |                |         | 3.6 |                |         | 70.0  |
| 75.0  | 7.4 | 7.4            | 7.0     | 5.6 | 5.6            |         | 3.6 |                |         | 75.0  |
| 80.0  | 7.4 | 7.4            | 7.0     | 5.6 | 5.6            |         | 3.6 | 3.6            |         | 80.0  |
| 85.0  | 7.4 | 7.4            | 7.0     | 5.6 | 5.6            |         | 3.6 | 3.6            |         | 85.0  |
| 90.0  | 7.4 | 7.4            | 7.0     | 5.6 | 5.6            |         | 3.6 | 3.6            |         | 90.0  |
| 95.0  | 7.4 | 7.4            | 7.0     | 5.6 | 5.6            | 5.2     | 3.6 | 3.6            | 2.4     | 95.0  |
| 100.0 | 7.4 | 7.4            | 7.0     | 5.6 | 5.6            | 5.2     | 3.6 | 3.6            | 2.4     | 100.0 |
| 105.0 | 7.4 | 7.4            | 7.0     | 5.6 | 5.6            | 5.0     | 3.6 | 3.6            | 2.4     | 105.0 |
| 110.0 | 6.4 | 6.4            | 7.0     | 5.6 | 5.6            | 5.0     | 3.6 | 3.6            | 2.4     | 110.0 |
| 115.0 | 5.6 | 5.6            | 6.4     | 5.6 | 5.6            | 5.0     | 3.6 | 3.6            | 2.4     | 115.0 |
| 120.0 | 4.8 | 4.8            | 5.6     | 5.6 | 5.6            | 5.0     | 3.6 | 3.6            | 2.4     | 120.0 |
| 125.0 | 4.2 | 4.2            | 5.0     | 5.4 | 5.4            | 5.0     | 3.6 | 3.6            | 2.4     | 125.0 |
| 130.0 | 3.4 | 3.4            | 4.2     | 4.8 | 4.8            | 4.8     | 3.6 | 3.6            | 2.4     | 130.0 |
| 135.0 | 3.0 | 3.0            | 3.6     | 4.2 | 4.2            | 4.8     | 3.6 | 3.6            | 2.4     | 135.0 |
| 140.0 | 2.4 | 2.4            | 3.0     | 3.6 | 3.6            | 4.6     | 3.4 | 3.4            | 2.4     | 140.0 |
| 145.0 |     |                | 2.4     | 3.0 | 3.0            | 4.0     | 2.8 | 2.8            | 2.4     | 145.0 |
| 150.0 |     |                | 1.8     | 2.6 | 2.6            | 3.4     | 2.2 | 2.2            | 2.4     | 150.0 |
| 155.0 |     |                |         | 2.0 | 2.0            | 2.8     | 1.8 | 1.8            | 2.4     | 155.0 |
| 160.0 |     |                |         |     |                | 2.4     |     |                | 2.2     | 160.0 |
| 170.0 |     |                |         |     |                | 1.6     |     |                |         | 170.0 |

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