

Grove GHC130

Preliminary Product Guide

ASME B30.5
Metric 75% and Imperial 75%



Features

- 120 t (132 USt) capacity
- 12,6 - 40,2 m (41 ft 4 in - 131 ft 11 in) four-section full power boom
- 15 m (49 ft 3 in) offsettable boom extension
- Two 5,6 m (18 ft 4 in) lattice inserts with 0,8 m (2 ft 8 in) boom head
- 100% pick and carry load charts at 360°
- Cummins QSB 6.7L Tier 4 final compliant engine

GROVE GHC130

The GHC130 delivers heavy-duty lifting power and exceptional mid-range and maximum reach, with a boom length of 12,6 m - 40,2 m (41 ft 4 in – 131 ft 11 in).

Features

> Comfort redefined

Operator cab is designed to deliver maximum comfort while incorporating conveniently located joystick controls for precise operation. Cab comes equipped with an integrated rated capacity limiter, air suspension seat, color monitor for up to four cameras, and precise climate control. The cab can tilt up to 20° providing the operator additional comfort when working at long boom and extension lengths.



> Travel made easy

Transportation to the job site can easily be accomplished in 3-5 loads. Set up time is minimal thanks to the GHC130's quick self-assembly system for both the counterweight and side frames. Once assembled the strong undercarriage provides 100% pick and carry capability and work up to 4° of inclination. The hydraulically extendable tracks allow for three working gauges for maximum flexibility on the job.



> Strong telescopic boom

The GHC130 comes equipped with a robust full-power four-section boom that allows for telescoping under load. The main boom offers 12,6 m – 40,2 m (41 ft 4 in – 131 ft 11 in) of reach. This paired with the standard 8 m (26 ft 3 in) offsettable swingaway extension provides a tip height of 51 m (167 ft 4 in). If additional reach is required, two pieces of 5,6 m (18 ft 4 in) lattice inserts with 0,8 m (2 ft 8 in) boom head as well as a 7 m (23 ft) fly extension are available to reach a maximum tip height of 70 m (229 ft 8 in).



CraneSTAR

> CraneSTAR is an exclusive and innovative crane asset management system

that helps improve your profitability and reduce costs by remotely monitoring critical crane data. Visit www.cranestar.com for more information.

Job site benefits

More productive in more places on the job site

The GHC130 delivers unsurpassed maneuverability and versatility.

- Telescoping boom, plus heavy-duty crawler tracks for all-terrain productivity
- Superior gradeability
- High visibility cabs with up to 20° tilt
- Two-speed hydrostatic drive allows for skid steering and counter rotation capability
- Compact design allows you to work in more places

Rugged durability to tackle all terrain

The GHC130 comes equipped with a durable, powerful crawler system.

- Hydraulically extendable and retractable crawlers
- Heavy-duty, 900 mm (36 in) triple bar, maintenance-free track shoes
- Easy self-assembling crawlers
- Cummins QSB Tier 3 or Tier 4 Final diesel engines power through terrain challenges

Easy transport to the job site and quick assembly

The GHC130 helps you spend less time on the truck and more time on the job.

- Transports to the job site in one to five loads, depending on model
- Retracted gauge for transport width
- Self-assembly counterweight
- Undercarriage frame with jacks for easy self assembly of crawlers
- Excellent serviceability keeps you up and running



Manitowoc Crane Care when you need it.
The assurance of the world's most advanced crane service and support to get you back to work fast.



Manitowoc Finance helps you get right to work generating profits for your business.
Financial tools that help you capitalize on opportunity with solutions that fit your needs.

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Specifications

Upper carriage

Standard boom

12,6 m – 40,2 m (41 ft 4 in – 131 ft 11 in) four-section, full power, sequenced-synchronized, telescopic boom.

Maximum tip height: 43 m (141 ft)

Boom extension

8 m (26 ft 3 in) offsettable, solid, one piece swingaway extension. Extension can be offset at 0°, 20°, and 40°

Maximum tip height: 51 m (167 ft 4 in)

***Optional boom extension**

7 m (23 ft) offsettable fly jib extension that must be used in conjunction with standard 8 m (26 ft 3 in) boom extension. Provides a total of 15 m (49 ft 3 in) of additional reach. The optional fly jib extension can not be stowed on boom.

Maximum tip height: 57,5 m (188 ft 8 in)

Boom extension can be offset 0°, 20°, and 40°

***Optional Lattice inserts**

One 5,6 m (18 ft 4 in) lattice insert with 0,8 m (2 ft 8 in) boom head for a total length of 6,4 m (21 ft) or two 5,6 m (18 ft 4 in) lattice inserts with 0,8 m (2 ft 8 in) boom head for a total length of 12 m (39 ft 4 in).

Non-stowable on boom.

Maximum tip height: 70 m (229 ft 8 in)

Boom nose

Five nylatron sheaves on heavy duty roller bearings with removable rope guards. Quick reeve type boom nose.

Equipped with removable auxiliary boom nose.

Boom elevation

One double-acting hydraulic cylinder with integral holding valves.

Elevation: -4.5° to 82°

Counterweight

33 320 kg (73,458 lb) total (5 pieces). Hydraulically installed and removed.

Rated Capacity Limiter and anti-two block system

Graphical display of load moment and anti-two block system with audio-visual warning and control lever lockout. These systems provide electronic display of crane configuration, boom angle, length, radius, tip height, maximum permissible load, momentary load and warning of impending two-block condition. Includes advanced diagnostics system that increases the performance of the machine, simplifies and accelerates troubleshooting, and lowers operating costs. Equipped with event recorder.

Cab

Large capacity operator's compartment that includes an air suspended operator's seat with intervertebral disc support, heated seat, headrest, three inch safety belt, ergonomic control panels, load sensing electric dual axis joystick controls, travel pedals and levers, exceptional sound insulation, sliding door (includes sliding window), excellent all around visibility,

tinted safety glass, front tiltable window, large skylight w/ sun protection, windshield and roof wiper/washer system, radio w/ CD player, climate control (A/C, heat, and defrost), fire extinguisher, and 20° tilt capability for improved overhead vision and ergonomic posture. Also equipped with a seven inch monitor in cab for rear view, right side, and hoist cameras.

Swing

Three speed, compact planetary gear with axial piston hydraulic motor and integrated brake valves. Sealed, externally geared slewing ring that allows for 360° of continuous rotation. Electronically applied service brake operated via foot pedal. Spring applied, hydraulically released parking brake. Two position, hydraulically pinned house lock.

Swing speed: 0-2 rpm, variable

Hydraulic system

Load sensing / LUDV hydraulic system with hydraulic and pilot controlled work functions, and load limit sensing control.

Single variable-displacement piston pump with a three section gear pump.

Maximum output: 500 LPM (132 GPM)

Maximum operating pressure: 330 bar (4786 psi)

1125 L (297 gal) steel hydraulic reservoir with sight level gauge.

High performance, 3 micron filtration system with water absorption contamination indicator for higher oil purity and extended oil service life.

Hoist (main and auxiliary)

Two speed hoists driven via a axial piston hydraulic motor with compact planetary gear. Spring loaded disc brake. Grooved drum with drum rotation indicator for both hoists that is located in the joystick controls.

Maximum hoist pull (first layer): 18 365 kg (40,488 lb)

Maximum permissible single line pull: 12 519 kg (27,600 lb)

Maximum single line speed: 115 m/min (377 ft/min)

Rope construction: 35 X 7 Rotation Resistant

Rope diameter: 26 mm

Rope length: 175 m (574 ft)

Engine (Tier 4)

Cummins QSB 6.7 L diesel, six cylinders, turbocharged with Cummins Compact Catalytic exhaust and Selective Catalytic Reduction.

Meets U.S.E.P.A Tier 4 final requirements.

168kW (228 bhp) at 2000 rpm.

Fuel requirements: Maximum of 15 ppm sulphur content (Ultra Low Diesel Fuel). DEF (Diesel exhaust fluid) required for SCR (selective catalytic reduction).

NOTE: Tier 4 engine Required for sale in North America.

Specifications



Engine (Tier 3)

Cummins QSB 6,7 L diesel, six cylinders, turbocharged rated at 164 kW (218 bhp) at 2000 rpm.

NOTE: Required for sale outside of North America.



Fuel tank capacity

Diesel Fuel: 540 L (143 gal)

DEF (Diesel Exhaust Fluid): 38 L (10 gal)



Electrical system

24 Volt with two 12-volt maintenance free batteries.

Includes battery disconnect switch.



Lights

Lighting package includes two halogen lights integrated into the front side of the cab roof and one LED headlight on the upper carriage, right side.

Lower carriage



Frame

Durable all steel welded construction with extendable axles and jacks for side frame installation and removal.



Side frames

Steel frames that can be hydraulically extended or retracted via controls in the cab. 900 mm (36 in) triple bar maintenance free track shoes.

Retracted gauge: 3,05 m (10 ft)

Intermediate gauge: 4,20 m (13 ft 9 in)

Extended gauge: 5,40 m (17 ft 9 in)

*Note: These widths are from centerline to centerline of crawlers.



Travel

Two-speed hydrostatic drive operated via lever/pedal controls in cab. Allows for excellent maneuverability with skid steering and counter-rotation. Both side frames are hydraulically driven thru a two stage hydraulic traction motor. Spring-loaded, hydraulically release multi disk brake activated via foot pedal in cab.

Travel Speed: 0-2,5 kmh (0-1.55 mph)

Gradeability (theoretical): 63%

Operating weight

113 780 kg (250,840 lb) base machine configuration that includes 40,2 m (131 ft 11 in) boom, 8 m (26 ft 3 in) extension, 60 t (66.1 USt) hook block, 900 mm (36 in) triple bar crawlers, main and auxiliary hoist, and 33 320 kg (73,458 lb) counterweight.

Ground bearing pressure (no load): 0,90 kg/cm² (12.8 psi)

Miscellaneous standard equipment

- Central, easily accessible lubricating strip
- Grated platforms in front and on the side of the cab, as well as catwalks on both sides of the upper carriage. Foldable handrails included for upper carriage.
- Service friendly engine and hydraulic compartment with decoupled engine suspension, sound proofing, and lighting.
- 60 t (66.1 USt) 2 sheave quick reeve hook block
- External RCL light bar
- CraneStar asset management system
- Storage box attached to crawler side frame

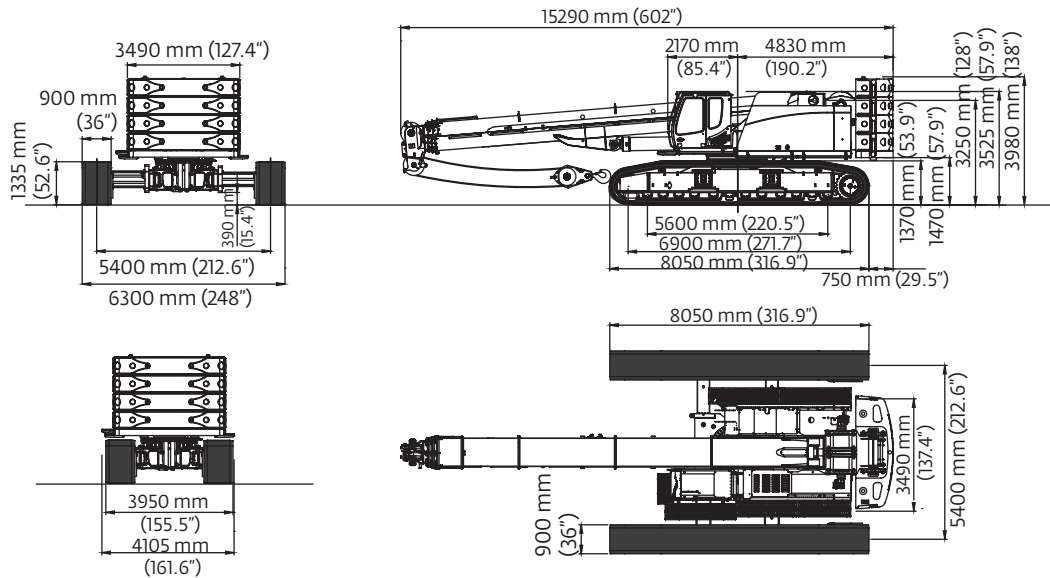
*Optional equipment

- Basket: Yoke style, 72 in x 36 in (1829 mm x 914 mm) steel basket, gravity hung with cylinder brake lock (does not side stow). Includes quick-attach boom attachment. Basket capacities: 544,3 kg (1200 lb) main boom and 226,7 kg (500 lb) on jib
- Radio Remote Control Package
- Automatic Lube system
- Cold Weather Packages up to -40° C / 40° F
- Maintenance free flat track shoes

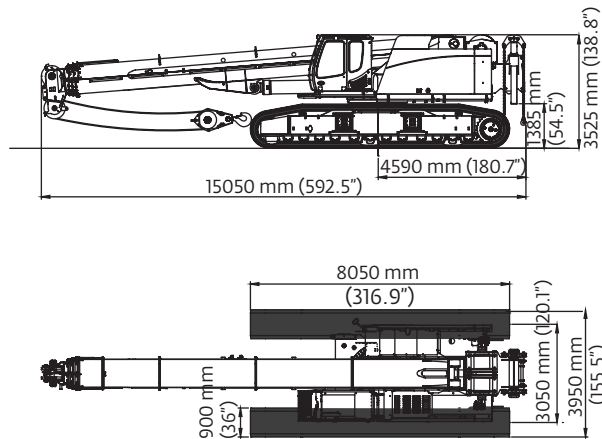
Dimensions

Transport dimensions and weights

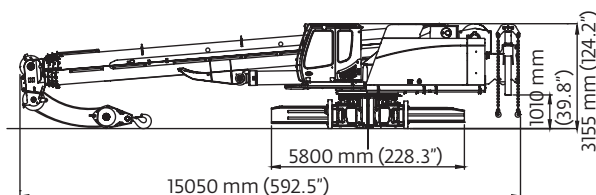
Operating weight: approximately 113 780 kg (250,840 lb) (with two hoists, 8 m (26 ft 3 in) boom extension, 60 t (66.1 USt) hook block, 33 320 kg (73,458 lb) counterweight, and 900 mm (36 in) triple bar shoes.



Operating weight: approximately 80 460 kg (177, 382 lb) (with two hoists, 8 m (26 ft 3 in) boom extension, 60 t (66.1 USt) hook block, 900 mm (36 in) triple bar shoes, and no counterweight).

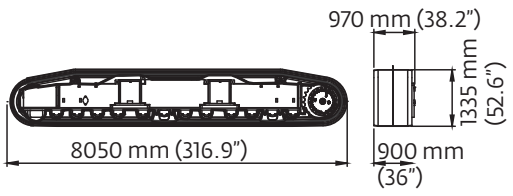
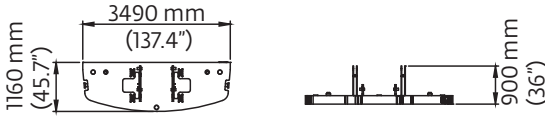

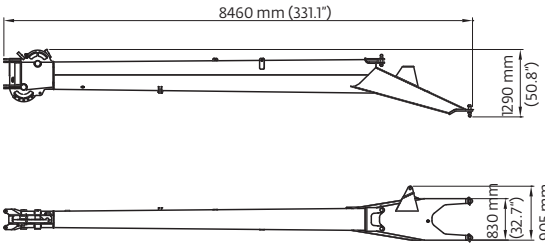
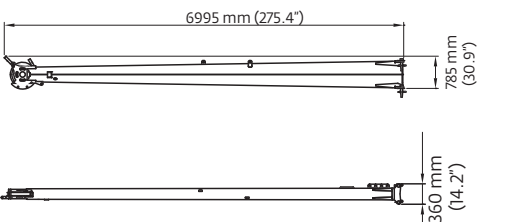

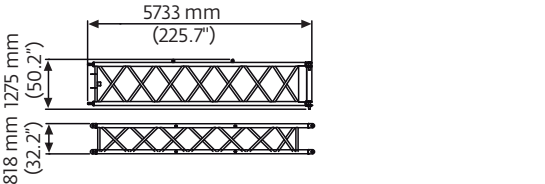
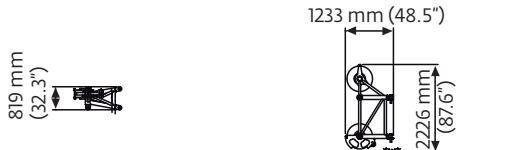


Transport weight: approximately 49 060 kg (108,156 lb) (with two hoists, 8 m (26 ft 3 in) boom extension, 60 t (66.1 USt) hook block, no side frames, and no counterweight)



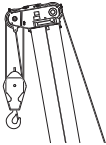
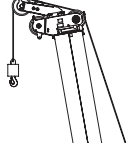






























Dimensions





















Transport dimensions and weights

| | | | |
|---|--|----|--------------------------|
|  | Crawler | 2x | 15 700 kg (34,613 lb) |
|  | Base plate for counterweight | 1x | 5400 kg (11,906 lb) |
|  | Counterweight | 4x | 6980 kg (15,388 lb) |
|  | Boom extension - 8 m (26 ft 3 in) | | 900 kg (1984 lb) |
|  | Fly jib extension - 7 m (23 ft) | | 300 kg (661 lb) |
|  | Auxiliary boom nose | | 160 kg (353 lb) |
|  | Lattice insert - 5,6 m (18 ft 4 in) | | 573 kg (1263 lb) |
|  | Boom head for insert - 0,8 m (2 ft 8 in) | | 391 kg (862 lb) |

Load programs

Working load programs

| | Main boom | | | Auxiliary boom nose | | | Inserts 6,2 m (21 ft) or 12 m (39 ft 4 in) | | |
|---|---|---|---|---|--|---|---|---|---|
| |  | | |  | | |  | | |
| Undercarriage track width (centerline to centerline of crawlers) |  5,4 m (17' 9") |  4,2 m (13' 9") |  3,05 m (10') |  5,4 m (17' 9") |  4,2 m (13' 9") |  3,05 m (10') |  5,4 m (17' 9") |  4,2 m (13' 9") |  3,05 m (10') |
| Counterweight | | | | | | | | | |
|  33 t (73,458 lb) | 360°  | 360°  | — | 360°  | 360°  | — | 360°  | — | — |
|  19,2 t (42,682 lb) | 360°  | 360°  | 360°  | 360°  | 360°  | 360°  | — | — | — |
|  0 t | 360°  | 360°  | 360°  | 360°  | 360°  | 360°  | — | — | — |

| | Boom Extension 8 m (26 ft 3 in) | | | Boom Extension with optional fly jib 15 m (49 ft 3 in) | | | Inserts: 6,2 m (21 ft) or 12 m (39 ft 4 in) and boom extension 8 m (26 ft 3 in) | | | Inserts: 6,2 m (21 ft) or 12 m (39 ft 4 in) and boom extension 15 m (49 ft 3 in) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| |  | | |  | | |  | | |  | | |
| Undercarriage track width (centerline to centerline of crawlers) |  5,4 m (17' 9") |  4,2 m (13' 9") |  3,05 m (10") |  5,4 m (17' 9") |  4,2 m (13' 9") |  3,05 m (10') |  5,4 m (17' 9") |  4,2 m (13' 9") |  3,05 m (10') |  5,4 m (17' 9") |  4,2 m (13' 9") | 3,05 m (10') |
| Counterweight | | | | | | | | | | | | |
|  33 t (73,458 lb) | 360°  | — | — | 360°  | — | — | 360°  | — | — | 360°  | — | — |

Note:

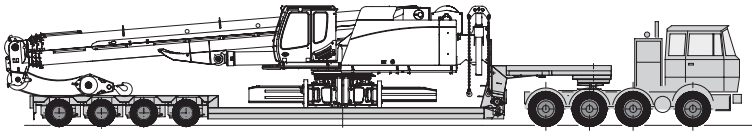
Additional safe working loads are also available for 2° and 4° inclines.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

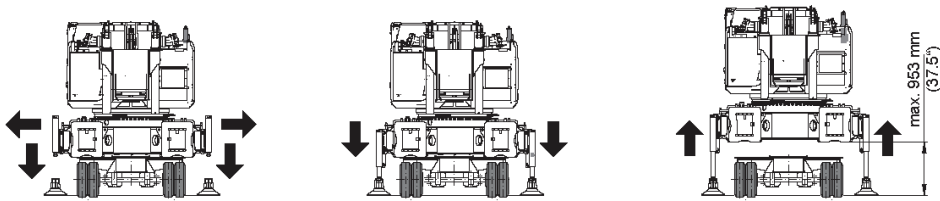
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Transportation / assembly

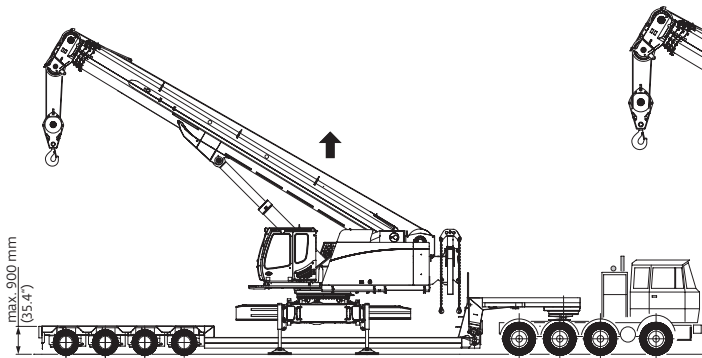
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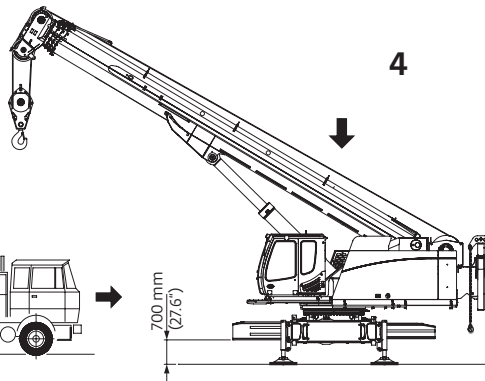
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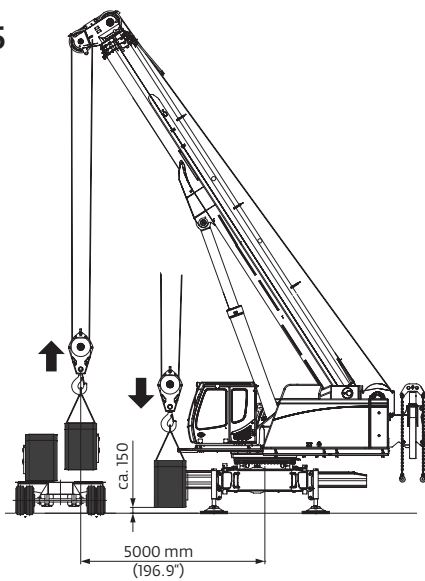
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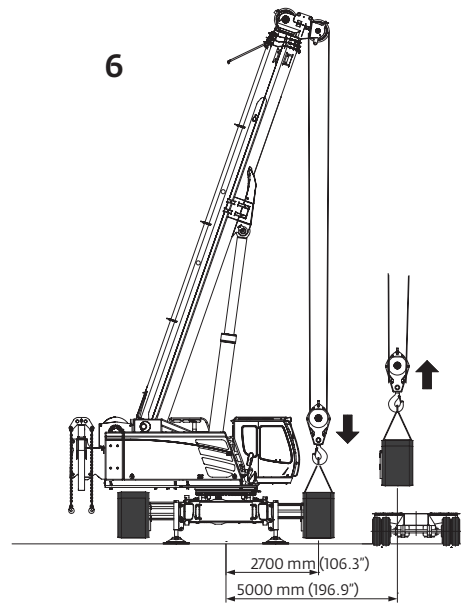
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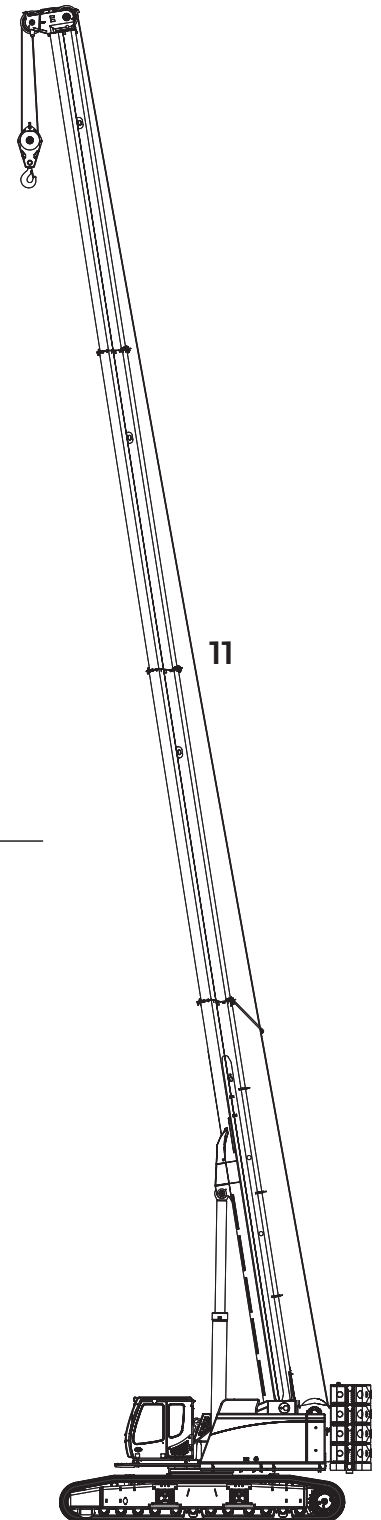
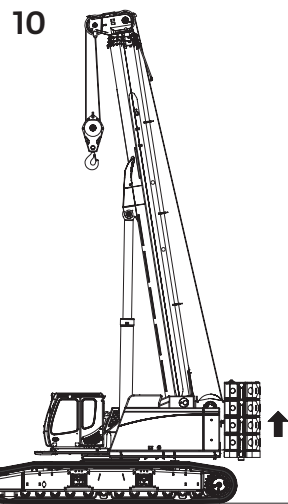
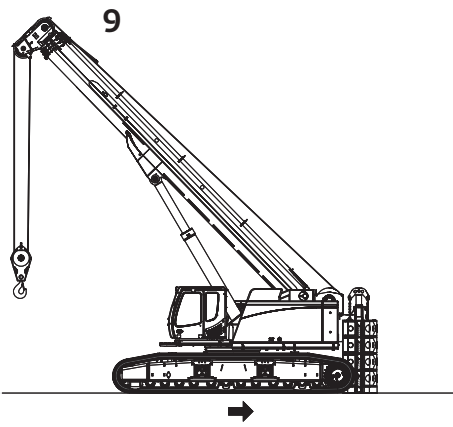
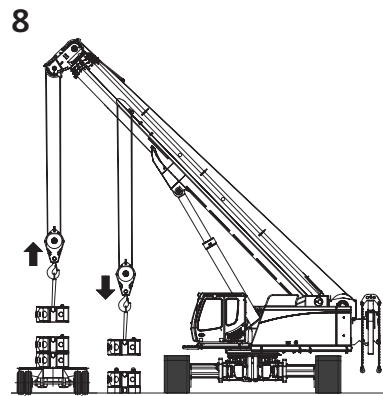
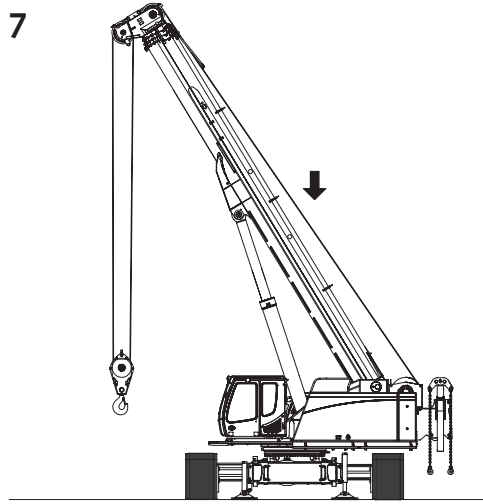
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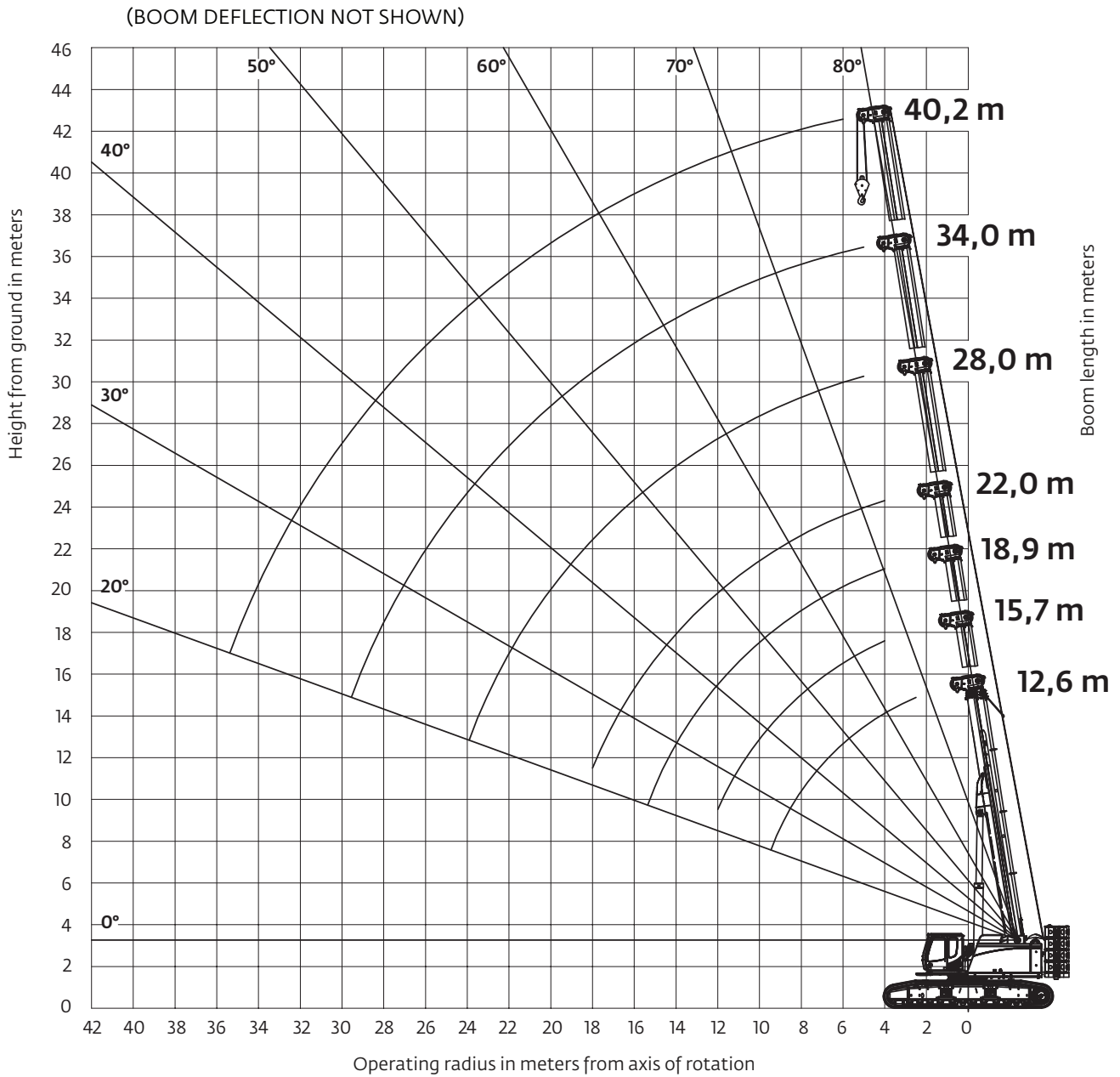
Transportation / assembly



Working range

Main boom - metric 75%

Main boom



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Load chart

Main boom - metric 75%



40,2 m



33 t



100%



360°



Kilograms

| Radius [m] | Main boom length [m] | | | | | | |
|---|----------------------|--------|--------|--------|--------|--------|--------|
| | 12,6 | 15,7 | 18,9 | 22,0 | 28,0 | 34,0 | 40,2 |
| 2,5 | 120 000 | | | | | | |
| 3 | 100 000 | | | | | | |
| 4 | 84 000 | 69 000 | 66 000 | 52 000 | | | |
| 5 | 75 000 | 69 000 | 61 400 | 52 000 | 37 000 | 30 000 | |
| 6 | 70 000 | 67 000 | 54 000 | 48 400 | 37 000 | 29 800 | 21 000 |
| 7 | 60 000 | 59 000 | 48 300 | 43 300 | 36 200 | 28 500 | 21 000 |
| 8 | 52 000 | 50 000 | 43 400 | 38 800 | 33 700 | 27 000 | 20 000 |
| 9 | 45 000 | 45 000 | 39 300 | 35 200 | 31 000 | 25 200 | 19 400 |
| 10 | 40 000 | 39 900 | 36 000 | 32 100 | 28 200 | 23 400 | 18 600 |
| 12 | | 30 800 | 30 500 | 27 100 | 24 400 | 20 400 | 16 600 |
| 14 | | | 23 900 | 23 200 | 21 100 | 17 900 | 14 800 |
| 16 | | | 19 300 | 19 100 | 18 400 | 15 900 | 13 300 |
| 18 | | | | 15 700 | 16 200 | 14 300 | 12 000 |
| 20 | | | | | 14 000 | 12 900 | 10 800 |
| 22 | | | | | 12 000 | 11 600 | 9800 |
| 24 | | | | | 10 300 | 10 700 | 9000 |
| 26 | | | | | | 9400 | 8200 |
| 28 | | | | | | 8200 | 7600 |
| 30 | | | | | | 7200 | 7000 |
| 32 | | | | | | | 6400 |
| 34 | | | | | | | 5700 |
| 36 | | | | | | | 5100 |
| Parts reeving | 10 | 8 | 8 | 7 | 5 | 4 | 3 |
| When 8 m extension is in stowed position, the rated loads must be reduced as follows: | | | | | | | |
| Reduction of load (kg) | 538 | 436 | 370 | 321 | 256 | 214 | 185 |

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The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Load chart

Auxiliary boom nose - metric 75%



40,2 m



With auxiliary
boom nose



33 t



100%



360°



Kilograms

| Radius [m] | Main boom length [m] | | | | | | |
|---|----------------------|--------|--------|--------|--------|--------|--------|
| | 12,6 | 15,7 | 18,9 | 22,0 | 28,0 | 34,0 | 40,2 |
| 3 | 12 500 | 12 500 | | | | | |
| 4 | 12 500 | 12 500 | 12 500 | 12 500 | | | |
| 5 | 12 500 | 12 500 | 12 500 | 12 500 | 12 500 | 12 500 | |
| 6 | 12 500 | 12 500 | 12 500 | 12 500 | 12 500 | 12 300 | |
| 7 | 12 500 | 12 500 | 12 500 | 12 500 | 12 500 | 12 200 | 11 800 |
| 8 | 12 500 | 12 500 | 12 500 | 12 500 | 12 500 | 12 100 | 11 700 |
| 9 | 12 500 | 12 500 | 12 500 | 12 500 | 12 400 | 12 000 | 11 500 |
| 10 | 12 500 | 12 500 | 12 500 | 12 500 | 12 300 | 11 900 | 11 400 |
| 12 | | 12 500 | 12 500 | 12 500 | 12 300 | 11 800 | 11 300 |
| 14 | | | 12 500 | 12 500 | 12 300 | 11 800 | 11 100 |
| 16 | | | 12 500 | 12 500 | 12 300 | 11 700 | 10 800 |
| 18 | | | | 12 500 | 12 300 | 11 700 | 10 300 |
| 20 | | | | | 12 300 | 11 500 | 9500 |
| 22 | | | | | 12 100 | 10 600 | 8700 |
| 24 | | | | | 10 400 | 800 | 8000 |
| 26 | | | | | | 9000 | 7400 |
| 28 | | | | | | 8300 | 6900 |
| 30 | | | | | | 7200 | 6400 |
| 32 | | | | | | | 5900 |
| 34 | | | | | | | 5500 |
| 36 | | | | | | | 5100 |
| Parts reeving | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| When 8 m extension is in stowed position, the rated loads must be reduced as follows: | | | | | | | |
| Reduction of load (kg) | 538 | 436 | 370 | 321 | 256 | 214 | 185 |

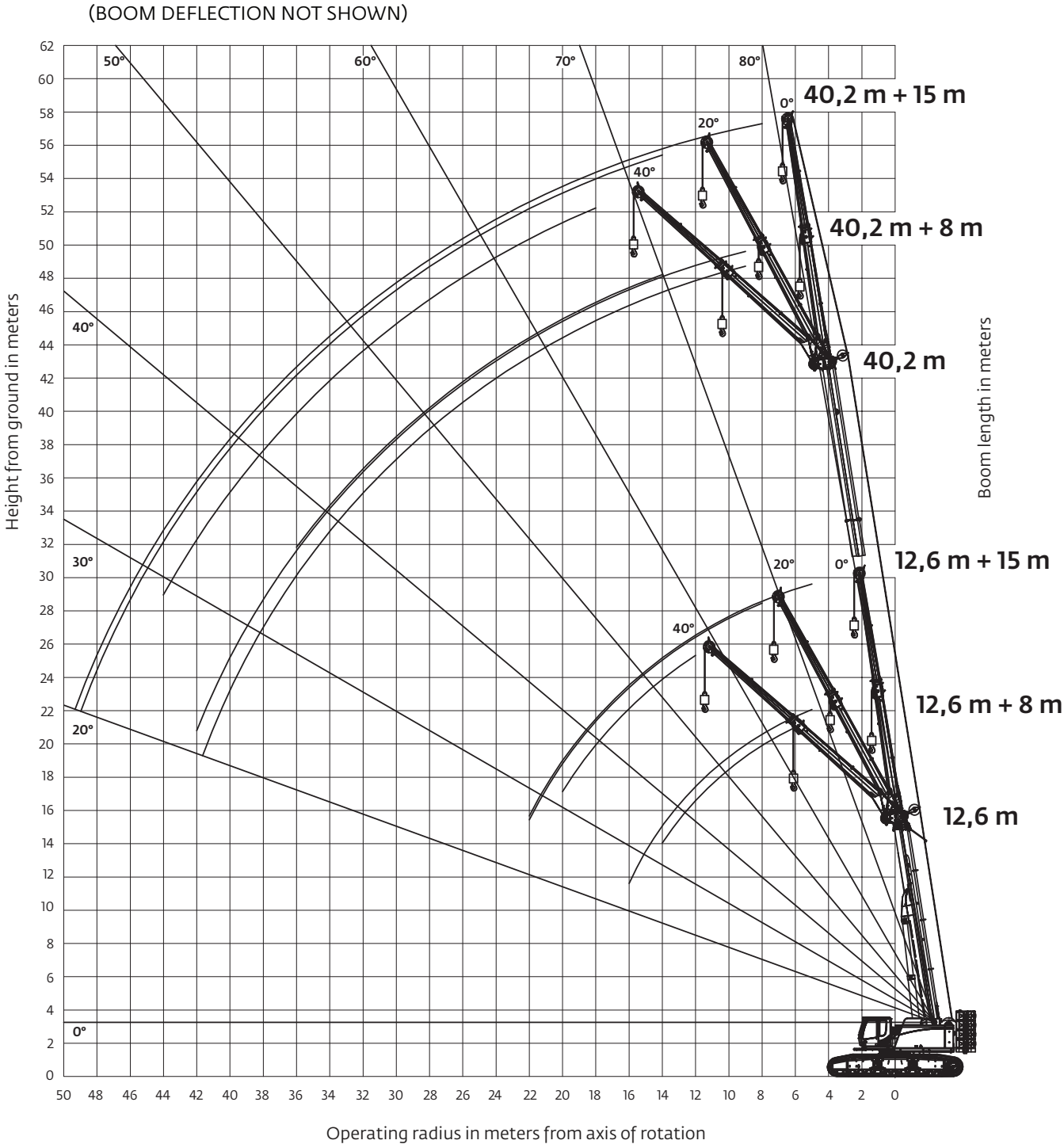
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Working range

Extensions - metric 75%

Main boom with extensions



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Load chart

Extensions - metric 75%



40,2 m



8 m



33 t



100%



360°



Kilograms

| Radius [m] | Main boom length [m] | | | | | | | | | | | | | | |
|---------------|----------------------|--------|------|--------|--------|-------|--------|--------|------|--------|------|------|--------|------|------|
| | 12,6 | | | 22,0 | | | 28,0 | | | 34,2 | | | 40,2 | | |
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° |
| 5 | 15 400 | 10 900 | | 18 000 | | | 17 500 | | | | | | | | |
| 6 | 14 000 | 10 200 | 8100 | 16 500 | | | 16 500 | | | | | | | | |
| 7 | 12 800 | 9700 | 7800 | 15 500 | 10 500 | | 15 600 | 10 300 | | 14 200 | | | | | |
| 8 | 11 800 | 9200 | 7500 | 14 500 | 10 100 | 7 800 | 14 700 | 10 100 | | 13 700 | | | | | |
| 9 | 10 900 | 8700 | 7200 | 13 600 | 9700 | 7600 | 14 000 | 9800 | 7600 | 13 100 | 9500 | | 11 800 | | |
| 10 | 10 200 | 8300 | 6900 | 12 800 | 9300 | 7400 | 13 300 | 9500 | 7400 | 12 600 | 9300 | 7300 | 11 400 | | |
| 12 | 9000 | 7500 | 6400 | 11 500 | 8700 | 7000 | 12 100 | 8900 | 7100 | 11 700 | 8800 | 7000 | 10 800 | 8400 | |
| 14 | 8000 | 7100 | 6100 | 10 400 | 8200 | 6600 | 11 000 | 8400 | 6700 | 10 900 | 8300 | 6700 | 10 200 | 8000 | 6500 |
| 16 | 7200 | 6700 | | 9500 | 7700 | 6300 | 10 200 | 8000 | 6500 | 10 200 | 8000 | 6400 | 9600 | 7700 | 6300 |
| 18 | | | | 8700 | 7300 | 6100 | 9 500 | 7600 | 6300 | 9500 | 7600 | 6200 | 9100 | 7400 | 6100 |
| 20 | | | | 8100 | 7000 | 5900 | 8800 | 7300 | 6000 | 9000 | 7300 | 6000 | 8500 | 7100 | 5900 |
| 22 | | | | 7500 | 6700 | | 8200 | 7000 | 5800 | 8400 | 7000 | 5800 | 8000 | 6900 | 5800 |
| 24 | | | | 7000 | 6500 | | 7700 | 6700 | 5700 | 8000 | 6800 | 5700 | 7400 | 6600 | 5600 |
| 26 | | | | | | | 7300 | 6500 | 5600 | 7500 | 6600 | 5500 | 6800 | 6400 | 5500 |
| 28 | | | | | | | 6900 | 6400 | | 7200 | 6400 | 5400 | 6300 | 6200 | 5300 |
| 30 | | | | | | | 6600 | 6200 | | 6800 | 6200 | 5300 | 5800 | 5800 | 5200 |
| 32 | | | | | | | 6400 | | | 6500 | 6100 | | 5400 | 5500 | 5200 |
| 34 | | | | | | | | | | 5900 | 6000 | | 5000 | 5100 | 5100 |
| 36 | | | | | | | | | | 5200 | 5400 | | 4700 | 4700 | 4800 |
| 38 | | | | | | | | | | 4600 | | | 4300 | 4400 | |
| 40 | | | | | | | | | | | | | 4000 | 4100 | |
| 42 | | | | | | | | | | | | | 3600 | 3700 | |
| 44 | | | | | | | | | | | | | 3200 | | |
| Parts reeving | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 |

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Load chart

Extensions - metric 75%



40,2 m



15 m



33 t



100%



360°



Kilograms

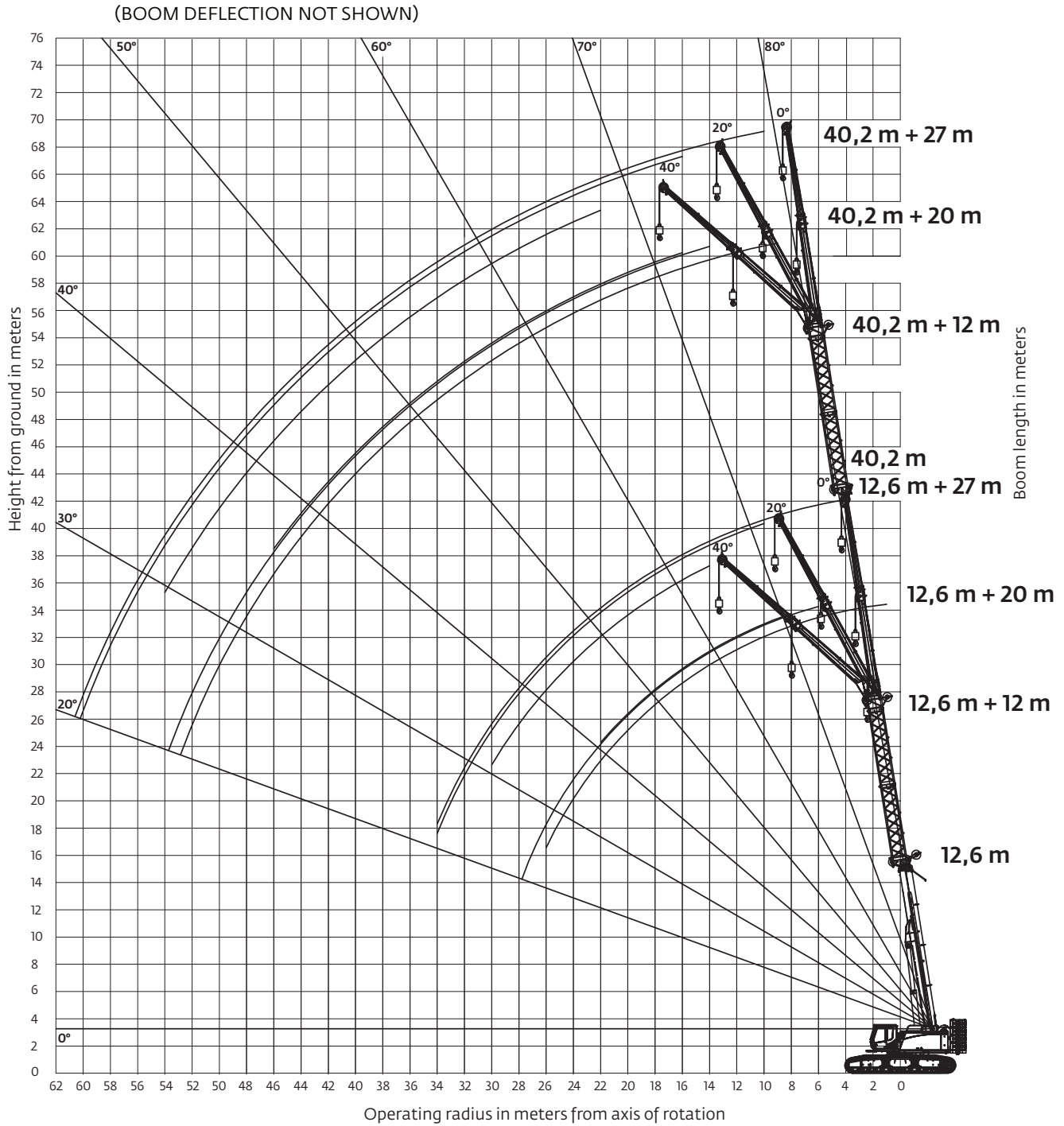
| Radius [m] | Main boom length [m] | | | | | | | | | | | | | | |
|---------------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 12,6 | | | 22,0 | | | 28,0 | | | 34,2 | | | 40,2 | | |
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° |
| 5 | 6000 | | | 6000 | | | | | | | | | | | |
| 6 | 5800 | | | 5800 | | | 5800 | | | 5300 | | | | | |
| 7 | 5600 | | | 5700 | | | 5600 | | | 5200 | | | | | |
| 8 | 5400 | | | 5600 | | | 5400 | | | 5100 | | | 4700 | | |
| 9 | 5100 | 4100 | | 5500 | | | 5300 | | | 5000 | | | 4700 | | |
| 10 | 4800 | 4000 | | 5300 | 4000 | | 5200 | | | 4900 | | | 4600 | | |
| 12 | 4400 | 3600 | 3100 | 5000 | 3900 | | 5000 | 4000 | | 4800 | | | 4500 | | |
| 14 | 4000 | 3400 | 2900 | 4700 | 3700 | 3100 | 4800 | 3800 | 3100 | 4600 | 3800 | | 4300 | | |
| 16 | 3600 | 3200 | 2800 | 4300 | 3500 | 3000 | 4600 | 3600 | 3000 | 4400 | 3600 | 3000 | 4200 | 3500 | |
| 18 | 3300 | 3000 | 2700 | 4000 | 3300 | 2900 | 4300 | 3400 | 2900 | 4300 | 3400 | 2900 | 4100 | 3400 | 2800 |
| 20 | 3100 | 2800 | 2600 | 3700 | 3200 | 2800 | 4000 | 3300 | 2800 | 4100 | 3300 | 2800 | 4000 | 3200 | 2700 |
| 22 | 2900 | 2700 | | 3500 | 3000 | 2700 | 3800 | 3100 | 2700 | 3900 | 3200 | 2700 | 3800 | 3100 | 2600 |
| 24 | | | | 3300 | 2900 | 2600 | 3600 | 3000 | 2700 | 3700 | 3100 | 2700 | 3700 | 3000 | 2500 |
| 26 | | | | 3100 | 2800 | 2600 | 3400 | 2900 | 2600 | 3500 | 2900 | 2600 | 3500 | 2900 | 2500 |
| 28 | | | | 2900 | 2700 | 2500 | 3200 | 2800 | 2500 | 3300 | 2900 | 2500 | 3400 | 2800 | 2500 |
| 30 | | | | 2800 | 2600 | | 3100 | 2700 | 2500 | 3200 | 2800 | 2500 | 3200 | 2700 | 2500 |
| 32 | | | | | | | 2900 | 2700 | 2400 | 3100 | 2700 | 2400 | 3100 | 2700 | 2400 |
| 34 | | | | | | | 2800 | 2600 | | 2900 | 2600 | 2400 | 3000 | 2600 | 2400 |
| 36 | | | | | | | 2700 | 2600 | | 2800 | 2600 | 2400 | 2900 | 2600 | 2300 |
| 38 | | | | | | | 2600 | 2500 | | 2700 | 2500 | 2300 | 2800 | 2500 | 2300 |
| 40 | | | | | | | | | | 2600 | 2500 | | 2700 | 2500 | 2300 |
| 42 | | | | | | | | | | 2500 | 2500 | | 2600 | 2400 | 2200 |
| 44 | | | | | | | | | | | | | 2500 | 2400 | 2200 |
| 46 | | | | | | | | | | | | | 2400 | 2400 | |
| 48 | | | | | | | | | | | | | 2400 | 2400 | |
| 50 | | | | | | | | | | | | | 2400 | 2400 | |
| Parts reeving | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 |

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Working range

Main boom with inserts and extensions - metric 75%

Main boom with inserts and extensions



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Load chart

Main boom with inserts and extensions - metric 75%



40,2 m



12 m



15 m



33 t



100%



360°



Kilograms

| Radius [m] | Mainboom length [m] | | | | | | | | | | | | | | |
|---------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 12,6 | | | 22,0 | | | 28,0 | | | 34,2 | | | 40,2 | | |
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° |
| 4 | 5000 | | | | | | | | | | | | | | |
| 5 | 5000 | | | | | | | | | | | | | | |
| 6 | 5000 | | | 4500 | | | 4300 | | | | | | | | |
| 7 | 5000 | | | 4500 | | | 4300 | | | | | | | | |
| 8 | 5000 | | | 4500 | | | 4300 | | | 3800 | | | | | |
| 9 | 5000 | | | 4500 | | | 4300 | | | 3800 | | | | | |
| 10 | 4900 | 3200 | | 4500 | | | 4300 | | | 3800 | | | 2500 | | |
| 12 | 4700 | 3200 | | 4500 | 3100 | | 4300 | | | 3800 | | | 2500 | | |
| 14 | 4500 | 3200 | 2600 | 4500 | 3100 | | 4200 | 3000 | | 3800 | 2900 | | 2500 | | |
| 16 | 4300 | 3200 | 2600 | 4300 | 3100 | 2500 | 4100 | 3000 | | 3800 | 2900 | | 2500 | 2500 | |
| 18 | 4000 | 3200 | 2600 | 4200 | 3100 | 2500 | 4000 | 3000 | 2500 | 3700 | 2900 | | 2500 | 2500 | |
| 20 | 3600 | 3000 | 2600 | 4000 | 3100 | 2500 | 3900 | 3000 | 2500 | 3600 | 2900 | 2600 | 2500 | 2500 | |
| 22 | 3300 | 2900 | 2600 | 3800 | 3100 | 2500 | 3700 | 3000 | 2500 | 3500 | 2900 | 2500 | 2500 | 2500 | 2400 |
| 24 | 3100 | 2800 | 2500 | 3600 | 3000 | 2500 | 3600 | 3000 | 2500 | 3400 | 2900 | 2400 | 2500 | 2500 | 2300 |
| 26 | 2800 | 2600 | 2400 | 3300 | 2800 | 2500 | 3400 | 2900 | 2500 | 3300 | 2800 | 2400 | 2500 | 2500 | 2300 |
| 28 | 2600 | 2400 | 2400 | 3100 | 2700 | 2400 | 3200 | 2800 | 2400 | 3100 | 2800 | 2400 | 2500 | 2500 | 2300 |
| 30 | 2400 | 2300 | 2300 | 2900 | 2600 | 2400 | 3000 | 2700 | 2300 | 3000 | 2700 | 2300 | 2500 | 2500 | 2200 |
| 32 | 2200 | 2100 | | 2700 | 2500 | 2300 | 2800 | 2600 | 2300 | 2900 | 2600 | 2300 | 2500 | 2500 | 2200 |
| 34 | 2100 | 2000 | | 2600 | 2300 | 2300 | 2600 | 2500 | 2300 | 2700 | 2500 | 2200 | 2500 | 2500 | 2100 |
| 36 | | | | 2400 | 2200 | 2200 | 2500 | 2400 | 2300 | 2600 | 2400 | 2200 | 2500 | 2400 | 2100 |
| 38 | | | | 2300 | 2100 | 2100 | 2400 | 2200 | 2200 | 2500 | 2300 | 2100 | 2500 | 2300 | 2100 |
| 40 | | | | 2100 | 2000 | | 2200 | 2100 | 2100 | 2300 | 2200 | 2100 | 2400 | 2300 | 2100 |
| 42 | | | | 2000 | 1900 | | 2100 | 2000 | 2000 | 2200 | 2100 | 2100 | 2300 | 2200 | 2000 |
| 44 | | | | | 1800 | | 2000 | 2000 | | 2100 | 2000 | 2000 | 2200 | 2100 | 2000 |
| 46 | | | | | | | 1900 | 1900 | | 2000 | 2000 | 2000 | 2100 | 2000 | 2000 |
| 48 | | | | | | | 1800 | 1800 | | 1900 | 1900 | 1900 | 2000 | 2000 | 2000 |
| 50 | | | | | | | | 1700 | | 1900 | 1800 | | 1800 | 1900 | 1900 |
| 52 | | | | | | | | | | 1800 | 1800 | | 1700 | 1800 | 1800 |
| 54 | | | | | | | | | | 1700 | 1700 | | 1500 | 1600 | 1700 |
| 56 | | | | | | | | | | | 1700 | | 1400 | 1500 | |
| 58 | | | | | | | | | | | | | 1200 | 1300 | |
| 60 | | | | | | | | | | | | | 1100 | 1200 | |
| 62 | | | | | | | | | | | | | 900 | 1000 | |
| Parts reeving | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

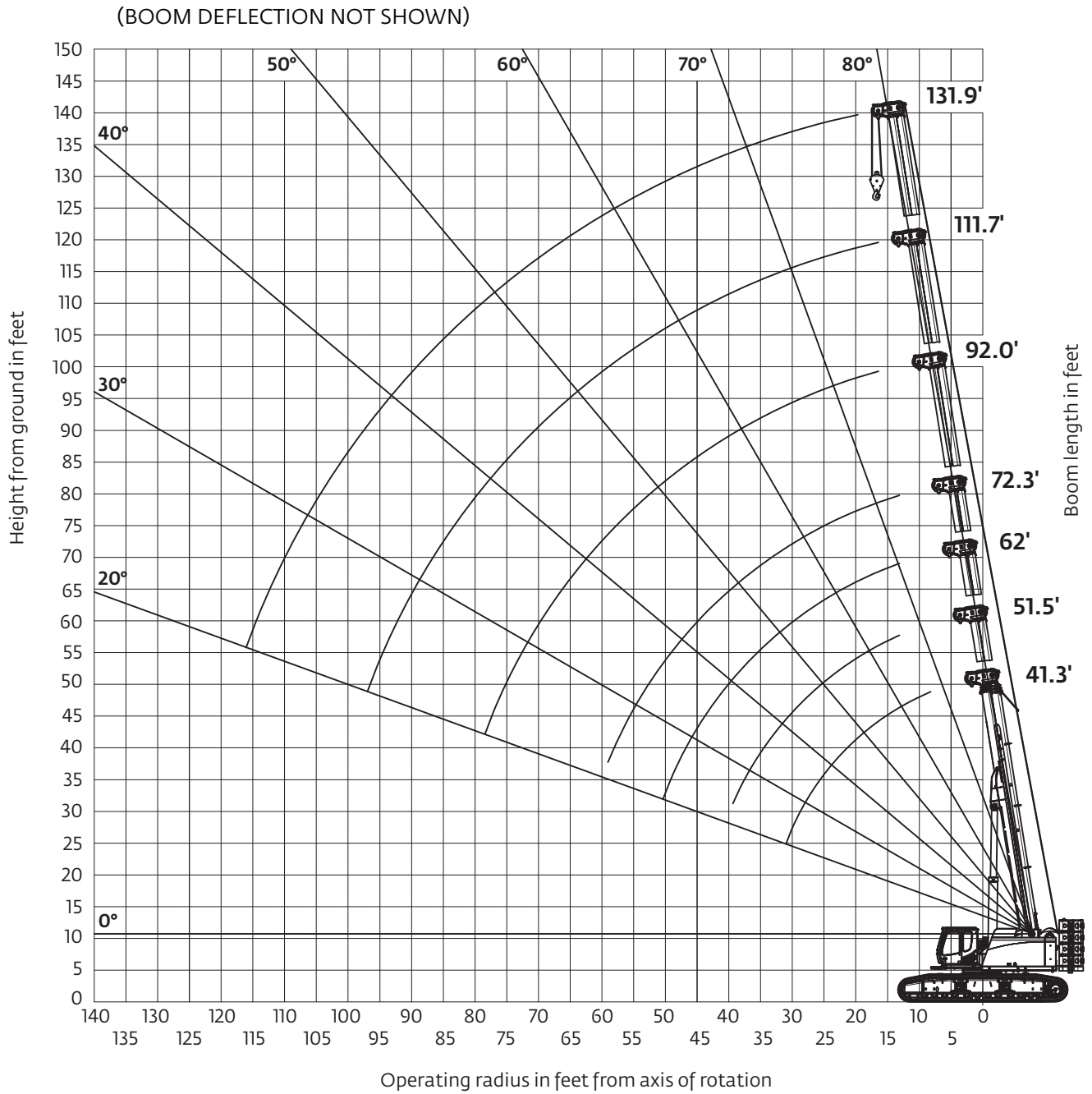
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Working range

Main boom - imperial 75%

Main boom



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Load chart

Main boom - imperial 75%



131 ft 11 in



73,458 lb



100%



360°



Pounds

| Radius [ft] | Main boom length [ft] | | | | | | |
|---|-----------------------|---------|---------|---------|--------|--------|--------|
| | 41.3 | 51.5 | 62.0 | 72.3 | 92.0 | 111.7 | 131.9 |
| 8 | 264,800 | | | | | | |
| 10 | 218,900 | | | | | | |
| 15 | 174,000 | 152,200 | 139,800 | 114,700 | | | |
| 20 | 152,300 | 146,100 | 117,900 | 105,700 | 81,500 | 65,500 | 46,300 |
| 25 | 121,400 | 117,900 | 99,900 | 89,400 | 76,500 | 60,800 | 45,000 |
| 30 | 97,700 | 97,700 | 85,700 | 76,700 | 67,500 | 55,000 | 42,500 |
| 35 | | 81,300 | 75,400 | 67,100 | 59,400 | 49,400 | 39,600 |
| 40 | | | 65,900 | 59,000 | 53,100 | 44,500 | 36,200 |
| 45 | | | 54,800 | 52,400 | 47,600 | 40,300 | 33,200 |
| 50 | | | 46,400 | 45,600 | 42,900 | 36,800 | 30,600 |
| 55 | | | | 39,300 | 38,700 | 33,700 | 28,200 |
| 60 | | | | | 35,000 | 31,100 | 26,100 |
| 65 | | | | | 31,300 | 28,800 | 24,100 |
| 70 | | | | | 27,900 | 26,500 | 22,400 |
| 75 | | | | | 24,900 | 24,700 | 20,900 |
| 80 | | | | | | 23,100 | 19,500 |
| 85 | | | | | | 20,900 | 18,200 |
| 90 | | | | | | 18,800 | 17,100 |
| 95 | | | | | | 17,000 | 16,100 |
| 100 | | | | | | | 15,100 |
| 105 | | | | | | | 14,100 |
| 110 | | | | | | | 12,900 |
| 115 | | | | | | | 11,900 |
| Parts reeving | 10 | 8 | 8 | 7 | 5 | 4 | 3 |
| When 26.2' extension is in stowed position, the rated loads must be reduced as follows: | | | | | | | |
| Reduction of load (lb) | 1187 | 962 | 816 | 707 | 565 | 471 | 407 |

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Load chart

Auxiliary boom nose - imperial 75%



131 ft 11 in



With auxiliary boom nose



73,458 lb



100%



360°



Pounds

| Radius [ft] | Main boom length [ft] | | | | | | |
|---|-----------------------|--------|--------|--------|--------|--------|--------|
| | 41.3 | 51.5 | 62.0 | 72.3 | 92.0 | 111.7 | 131.9 |
| 10 | 27,600 | 27,600 | | | | | |
| 15 | 27,600 | 27,600 | 27,600 | 27,600 | | | |
| 20 | 27,600 | 27,600 | 27,600 | 27,600 | 27,600 | 27,100 | |
| 25 | 27,600 | 27,600 | 27,600 | 27,600 | 27,600 | 26,800 | 25,900 |
| 30 | 27,600 | 27,600 | 27,600 | 27,600 | 27,300 | 26,400 | 25,300 |
| 35 | | 27,600 | 27,600 | 27,600 | 27,100 | 26,200 | 25,100 |
| 40 | | | 27,600 | 27,600 | 27,100 | 26,000 | 24,900 |
| 45 | | | 27,600 | 27,600 | 27,100 | 26,000 | 24,600 |
| 50 | | | 27,600 | 27,600 | 27,100 | 25,900 | 24,100 |
| 55 | | | | 27,600 | 27,100 | 25,800 | 23,400 |
| 60 | | | | | 27,100 | 25,800 | 22,500 |
| 65 | | | | | 27,100 | 25,400 | 21,100 |
| 70 | | | | | 26,800 | 24,000 | 19,800 |
| 75 | | | | | 25,100 | 22,600 | 18,500 |
| 80 | | | | | | 21,300 | 17,400 |
| 85 | | | | | | 19,900 | 16,400 |
| 90 | | | | | | 18,800 | 15,500 |
| 95 | | | | | | 17,200 | 14,700 |
| 100 | | | | | | | 13,900 |
| 105 | | | | | | | 13,000 |
| 110 | | | | | | | 12,300 |
| 115 | | | | | | | 11,700 |
| Parts reeving | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| When 26.2' extension is in stowed position, the rated loads must be reduced as follows: | | | | | | | |
| Reduction of load (lb) | 1187 | 962 | 816 | 707 | 585 | 471 | 407 |

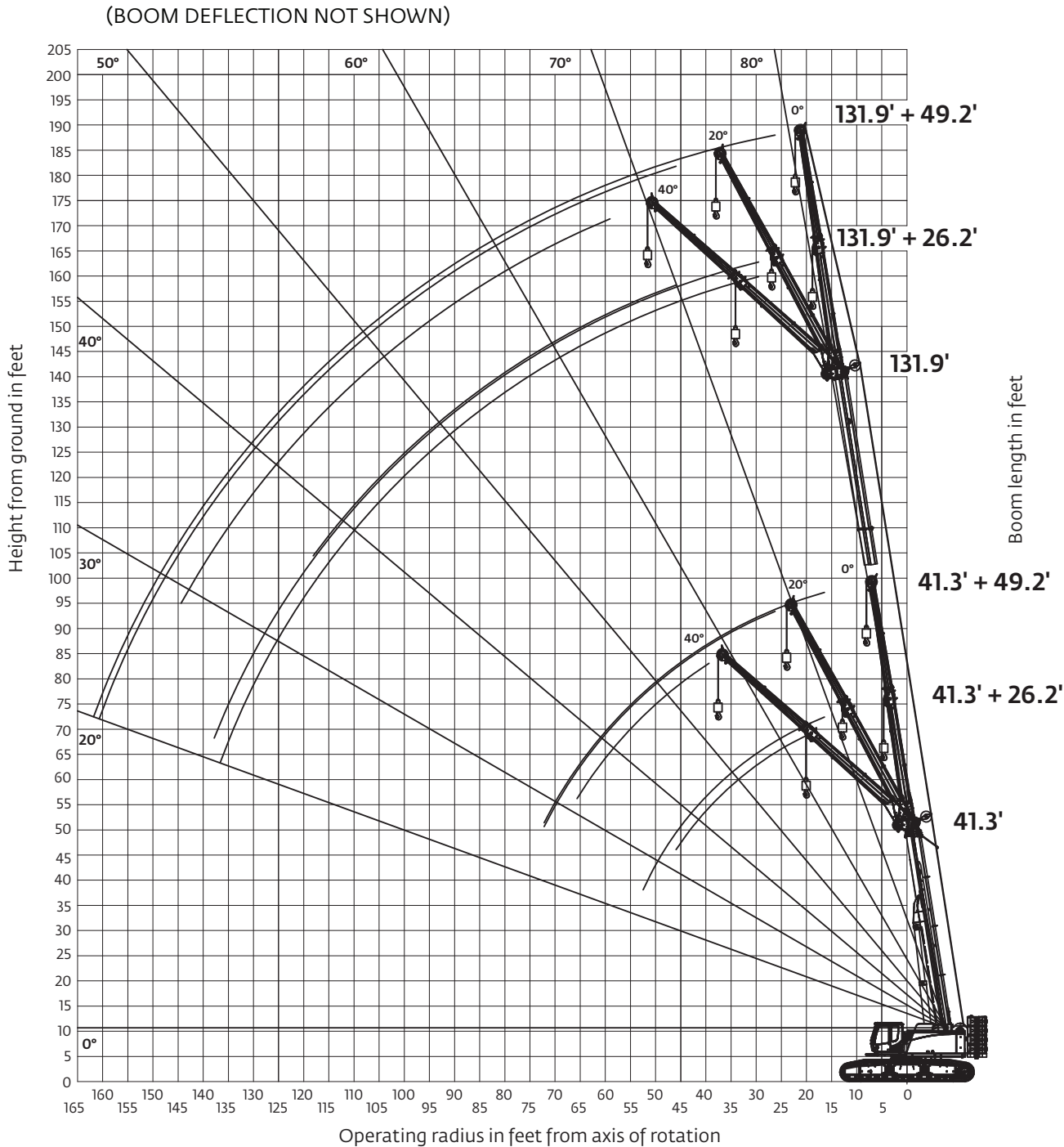
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Working range

Extensions - imperial 75%

Main boom with extensions



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Load chart

Extensions - imperial 75%



131 ft 11 in



26 ft 3 in



73,458 lb



100%



360°



Pounds

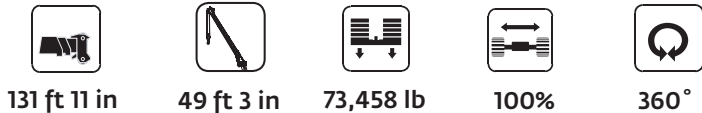
| Radius [ft] | Main boom length [ft] | | | | | | | | | | | | | | |
|----------------------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 41.3 | | | 72.3 | | | 92.0 | | | 111.7 | | | 131.9 | | |
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° |
| 17 | 34,000 | 24,000 | | 39,700 | | | 38,600 | | | | | | | | |
| 20 | 30,600 | 22,400 | 17,800 | 36,200 | | | 36,200 | | | | | | | | |
| 25 | 26,900 | 20,700 | 16,800 | 32,800 | 22,600 | | 33,200 | 22,500 | | 30,600 | | | | | |
| 30 | 23,800 | 19,100 | 15,800 | 29,800 | 21,300 | 16,700 | 30,700 | 21,500 | 16,700 | 28,700 | 20,900 | | 25,900 | | |
| 35 | 21,600 | 17,700 | 14,900 | 27,300 | 20,100 | 16,000 | 28,500 | 20,500 | 16,100 | 27,100 | 20,200 | 15,900 | 24,700 | | |
| 40 | 19,600 | 16,500 | 14,100 | 25,100 | 19,100 | 15,400 | 26,500 | 19,500 | 15,600 | 25,600 | 19,300 | 15,400 | 23,700 | 18,400 | |
| 45 | 18,000 | 15,800 | 13,600 | 23,300 | 18,200 | 14,700 | 24,600 | 18,700 | 14,900 | 24,300 | 18,500 | 14,900 | 22,700 | 17,800 | |
| 50 | 16,600 | 15,100 | | 21,700 | 17,400 | 14,200 | 23,200 | 18,000 | 14,500 | 23,100 | 17,900 | 14,400 | 21,700 | 17,200 | 14,100 |
| 55 | | | | 20,300 | 16,700 | 13,700 | 21,900 | 17,300 | 14,200 | 21,900 | 17,300 | 14,000 | 20,800 | 16,700 | 13,700 |
| 60 | | | | 19,000 | 16,000 | 13,400 | 20,700 | 16,700 | 13,800 | 20,800 | 16,700 | 13,600 | 19,900 | 16,200 | 13,400 |
| 65 | | | | 18,000 | 15,500 | 13,100 | 19,600 | 16,200 | 13,300 | 20,000 | 16,200 | 13,300 | 18,900 | 15,700 | 13,100 |
| 70 | | | | 17,000 | 15,000 | | 18,500 | 15,700 | 12,900 | 19,000 | 15,700 | 12,900 | 18,000 | 15,400 | 12,900 |
| 75 | | | | 16,100 | 14,600 | | 17,600 | 15,200 | 12,700 | 18,200 | 15,300 | 12,700 | 17,100 | 14,900 | 12,600 |
| 80 | | | | | | | 16,800 | 14,700 | 12,500 | 17,400 | 14,900 | 12,500 | 16,100 | 14,500 | 12,300 |
| 85 | | | | | | | 16,100 | 14,400 | 12,400 | 16,600 | 14,600 | 12,200 | 15,100 | 14,100 | 12,100 |
| 90 | | | | | | | 15,500 | 14,200 | | 16,100 | 14,200 | 12,000 | 14,200 | 13,800 | 11,800 |
| 95 | | | | | | | 14,900 | 13,900 | | 15,500 | 13,900 | 11,800 | 13,400 | 13,300 | 11,600 |
| 100 | | | | | | | 14,500 | | | 14,800 | 13,600 | | 12,600 | 12,600 | 11,500 |
| 105 | | | | | | | | | | 14,300 | 13,500 | | 11,900 | 12,100 | 11,500 |
| 110 | | | | | | | | | | 13,300 | 13,300 | | 11,200 | 11,500 | 11,300 |
| 115 | | | | | | | | | | 12,200 | 12,500 | | 10,700 | 10,800 | 10,900 |
| 120 | | | | | | | | | | 11,100 | | | 10,100 | 10,200 | |
| 125 | | | | | | | | | | | | | 9500 | 9700 | |
| 130 | | | | | | | | | | | | | 9000 | 9200 | |
| 135 | | | | | | | | | | | | | 8300 | 8500 | |
| Parts reeving | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 |

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Load chart

Extensions - imperial 75%



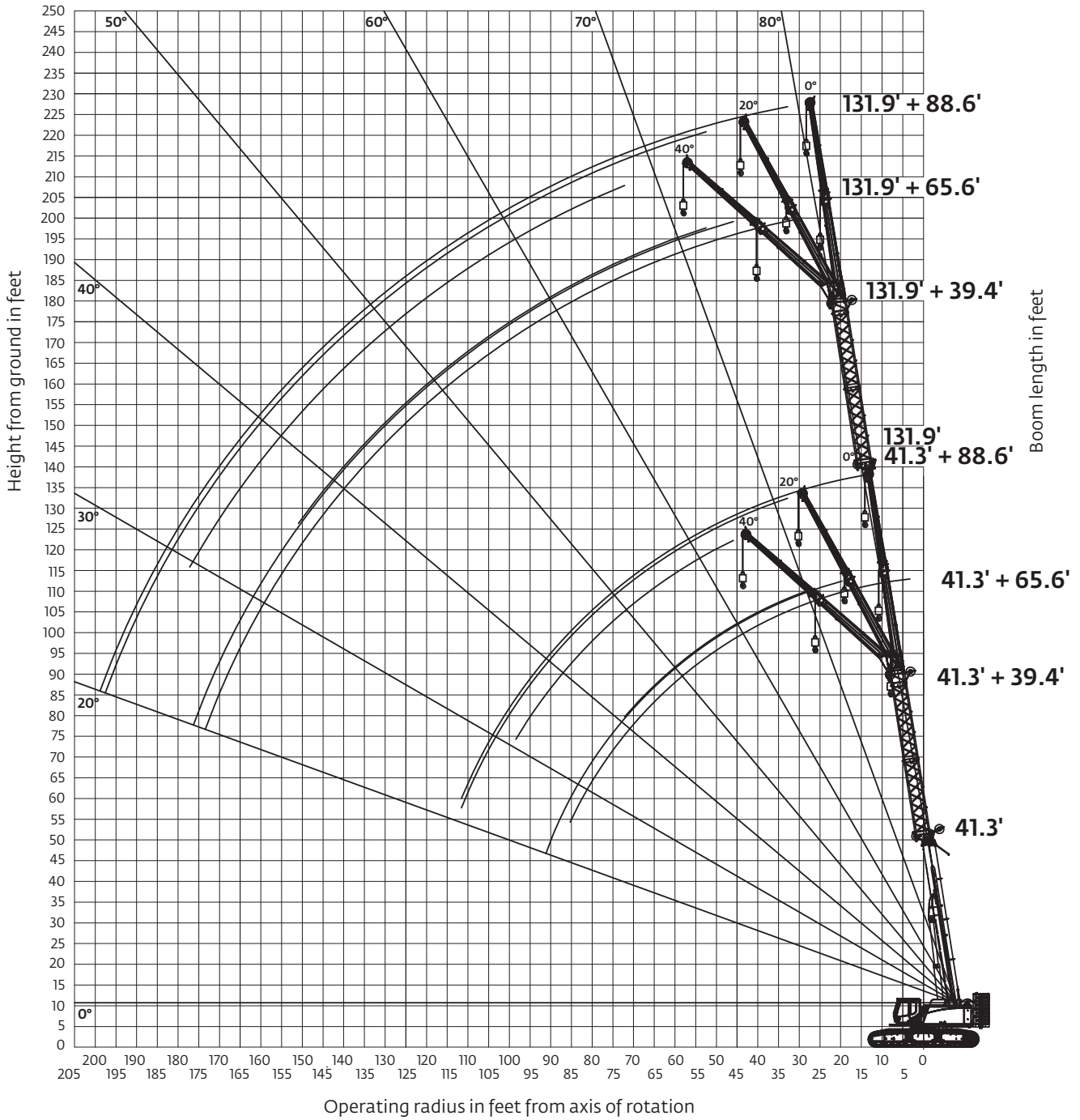
| Radius [ft] | Main boom length [ft] | | | | | | | | | | | | | | |
|----------------------|-----------------------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
| | 41.3 | | | 72.3 | | | 92.0 | | | 111.7 | | | 131.9 | | |
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° |
| 17 | 12,800 | | | 12,800 | | | | | | | | | | | |
| 20 | 12,800 | | | 12,800 | | | 12,800 | | | 11,700 | | | | | |
| 25 | 12,100 | | | 12,400 | | | 12,100 | | | 11,300 | | | | | |
| 30 | 11,200 | 9000 | | 12,100 | | | 11,700 | | | 11,000 | | | 10,300 | | |
| 35 | 10,300 | 8500 | | 11,500 | 8800 | | 11,300 | | | 10,700 | | | 10,100 | | |
| 40 | 9600 | 7900 | 6800 | 11,000 | 8600 | | 11,000 | 8800 | | 10,500 | | | 9900 | | |
| 45 | 9000 | 7600 | 6500 | 10,500 | 8200 | | 10,700 | 8400 | | 10,200 | | | 9600 | | |
| 50 | 8300 | 7200 | 6300 | 9800 | 7900 | 6700 | 10,300 | 8100 | 6700 | 9900 | 8100 | | 9400 | | |
| 55 | 7700 | 6900 | 6100 | 9200 | 7600 | 6500 | 9900 | 7800 | 6500 | 9600 | 7800 | 6500 | 9200 | 7600 | |
| 60 | 7200 | 6600 | 5900 | 8700 | 7200 | 6400 | 9400 | 7500 | 6400 | 9400 | 7500 | 6400 | 9000 | 7400 | 6100 |
| 65 | 6900 | 6200 | 5800 | 8200 | 7100 | 6200 | 8900 | 7300 | 6200 | 9100 | 7300 | 6200 | 8800 | 7100 | 6000 |
| 70 | 6500 | 6000 | | 7900 | 6800 | 6000 | 8500 | 7000 | 6000 | 8800 | 7100 | 6000 | 8500 | 6900 | 5800 |
| 75 | | | | 7500 | 6500 | 5900 | 8200 | 6700 | 6000 | 8400 | 7000 | 6000 | 8300 | 6700 | 5600 |
| 80 | | | | 7200 | 6400 | 5700 | 7900 | 6600 | 5900 | 8100 | 6800 | 5900 | 8100 | 6600 | 5500 |
| 85 | | | | 6900 | 6200 | 5700 | 7500 | 6400 | 5700 | 7700 | 6400 | 5700 | 7700 | 6400 | 5500 |
| 90 | | | | 6500 | 6000 | 5600 | 7200 | 6200 | 5600 | 7400 | 6400 | 5600 | 7600 | 6200 | 5500 |
| 95 | | | | 6300 | 5900 | | 7000 | 6100 | 5500 | 7200 | 6300 | 5500 | 7300 | 6100 | 5500 |
| 100 | | | | | | | 6700 | 6000 | 5500 | 7000 | 6100 | 5500 | 7000 | 6000 | 5500 |
| 105 | | | | | | | 6400 | 6000 | | 6800 | 6000 | 5300 | 6800 | 6000 | 5300 |
| 110 | | | | | | | 6200 | 5800 | | 6500 | 5800 | 5300 | 6700 | 5800 | 5300 |
| 115 | | | | | | | 6100 | 5700 | | 6300 | 5700 | 5300 | 6500 | 5700 | 5200 |
| 120 | | | | | | | 5900 | 5700 | | 6100 | 5700 | 5200 | 6300 | 5700 | 5100 |
| 125 | | | | | | | | | | 5900 | 5500 | | 6200 | 5500 | 5100 |
| 130 | | | | | | | | | | 5800 | 5500 | | 6000 | 5500 | 5100 |
| 135 | | | | | | | | | | 5600 | 5500 | | 5800 | 5400 | 4900 |
| 140 | | | | | | | | | | | | | 5700 | 5300 | 4900 |
| 145 | | | | | | | | | | | | | 5500 | 5300 | |
| 150 | | | | | | | | | | | | | 5300 | 5300 | |
| 155 | | | | | | | | | | | | | 5300 | 5300 | |
| 160 | | | | | | | | | | | | | 5300 | 5300 | |
| Parts reeving | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 |

Working range

Main boom with inserts and extensions - imperial 75%

Main boom with inserts and extensions

(BOOM DEFLECTION NOT SHOWN)



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Load chart

Main boom with inserts and extensions - imperial 75%



| Radius [ft] | Main boom length [ft] | | | | | | | | | | | | | | |
|---------------|-----------------------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| | 41.3 | | | 72.3 | | | 92.0 | | | 111.7 | | | 131.9 | | |
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° |
| 14 | 11,000 | | | | | | | | | | | | | | |
| 15 | 11,000 | | | | | | | | | | | | | | |
| 20 | 11,000 | | | | | | | | | | | | | | |
| 25 | 11,000 | | | 9900 | | | | | | | | | | | |
| 30 | 11,000 | | | 9900 | | | | | | | | | | | |
| 35 | 10,600 | 7100 | | 9900 | | | 9500 | | | 8400 | | | | | |
| 40 | 10,300 | 7100 | | 9900 | | | 9500 | | | 8400 | | | 5500 | | |
| 45 | 10,000 | 7100 | | 9900 | | | 9500 | | | 8400 | | | 5500 | | |
| 50 | 9600 | 7100 | 5700 | 9900 | 6800 | | 9500 | | | 8400 | | | 5500 | | |
| 55 | 9200 | 7100 | 5700 | 9800 | 6800 | | 9400 | 6600 | | 8400 | 6400 | | 5500 | | |
| 60 | 8700 | 7000 | 5700 | 9500 | 6800 | 5500 | 9200 | 6600 | | 8400 | 6400 | | 5500 | 5500 | |
| 65 | 8000 | 6700 | 5700 | 9400 | 6800 | 5500 | 9000 | 6600 | | 8200 | 6400 | | 5500 | 5500 | |
| 70 | 7600 | 6500 | 5700 | 9100 | 6800 | 5500 | 8800 | 6600 | 5500 | 8000 | 6400 | | 5500 | 5500 | |
| 75 | 7100 | 6300 | 5600 | 8700 | 6800 | 5500 | 8700 | 6600 | 5500 | 7800 | 6400 | 5600 | 5500 | 5500 | |
| 80 | 6700 | 6100 | 5500 | 8300 | 6800 | 5500 | 8400 | 6600 | 5500 | 7700 | 6400 | 5500 | 5500 | 5500 | 5300 |
| 85 | 6200 | 5800 | 5300 | 7900 | 6600 | 5500 | 8100 | 6600 | 5500 | 7500 | 6400 | 5300 | 5500 | 5500 | 5100 |
| 90 | 5900 | 5400 | 5300 | 7500 | 6300 | 5500 | 8000 | 6500 | 5500 | 7300 | 6200 | 5300 | 5500 | 5500 | 5100 |
| 95 | 5500 | 5200 | 5200 | 7100 | 6100 | 5400 | 7600 | 6300 | 5400 | 7100 | 6200 | 5300 | 5500 | 5500 | 5100 |
| 100 | 5200 | 5000 | | 6700 | 5900 | 5300 | 7300 | 6100 | 5200 | 6800 | 6100 | 5200 | 5500 | 5500 | 5000 |
| 105 | 4900 | 4600 | | 6400 | 5700 | 5300 | 7000 | 6000 | 5100 | 6600 | 6000 | 5100 | 5500 | 5500 | 4900 |
| 110 | 4700 | 4500 | | 6100 | 5600 | 5100 | 6600 | 5800 | 5100 | 6500 | 5800 | 5100 | 5500 | 5500 | 4900 |
| 115 | | | | 5800 | 5300 | 5100 | 6300 | 5600 | 5100 | 6200 | 5600 | 5000 | 5500 | 5500 | 4700 |
| 120 | | | | 5500 | 5000 | 5000 | 5900 | 5500 | 5100 | 5900 | 5500 | 4900 | 5500 | 5500 | 4600 |
| 125 | | | | 5300 | 4800 | 4800 | 5700 | 5300 | 5100 | 5700 | 5300 | 4800 | 5500 | 5300 | 4600 |
| 130 | | | | 5100 | 4700 | 4700 | 5500 | 4900 | 4900 | 5600 | 5100 | 4700 | 5500 | 5100 | 4600 |
| 135 | | | | 4800 | 4500 | | 5300 | 4700 | 4700 | 5300 | 4900 | 4600 | 5400 | 5100 | 4600 |
| 140 | | | | 4600 | 4300 | | 5000 | 4600 | 4600 | 5000 | 4800 | 4600 | 5200 | 5000 | 4600 |
| 145 | | | | | 4200 | | 4800 | 4400 | | 4800 | 4600 | 4600 | 5100 | 4800 | 4400 |
| 150 | | | | | 4000 | | 4600 | 4400 | | 4700 | 4400 | 4400 | 4900 | 4700 | 4400 |
| 155 | | | | | | | 4400 | 4300 | | 4500 | 4400 | 4400 | 4700 | 4500 | 4400 |
| 160 | | | | | | | 4300 | 4100 | | 4300 | 4300 | 4300 | 4500 | 4400 | 4400 |
| 165 | | | | | | | 4100 | 3900 | | 4200 | 4200 | | 4300 | 4400 | 4400 |
| 170 | | | | | | | | 3800 | | 4200 | 4000 | | 4000 | 4200 | 4200 |
| 175 | | | | | | | | | | 4000 | 4000 | | 3800 | 4400 | 4400 |
| 180 | | | | | | | | | | 3900 | 3900 | | 3600 | 3800 | 3900 |
| Parts reeving | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

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Load handling

| Weight reductions for load handling devices | | |
|--|-----------------------|------------------------------------|
| 8 m - 15 m (26.2 ft - 49.2 ft) : Boom extension: | | |
| | Without block or ball | With 250 kg (550 lb) headache ball |
| *8 m (26.2 ft) extension (erected) | 1057 kg (2330 lb) | 1486 kg (3276 lb) |
| *15 m (49.2 ft) extension (erected) | 1674 kg (3691 lb) | 2245 kg (4950 lb) |
| Hook blocks and Headache ball: | | |
| 120 t (132 USt), 5-sheave | | 1100 kg+ (2425 lb+) |
| 80 t (88 USt), 3-sheave | | 1000 kg+ (2205 lb+) |
| 60 t (66 USt), 2-sheave | | 600 kg+ (1325 lb+) |
| 15 t (16.5 USt) headache ball | | 250 kg+ (550 lb+) |

*Reduction of main boom capacities
+Refer to rating plate for actual weight

When lifting over boom extension, deduct total weight of all load handling devices reeved over main boom nose from boom extension capacity.

NOTE: All load handling devices and boom attachments are considered part of the load and suitable allowances MUST BE MADE for their combined weights. Weights are for Grove furnished equipment.

| Line pulls and reeving information | | | |
|------------------------------------|--|-------------------------|----------------------|
| Hoists | Cable specs | Permissible line pulls | Nominal cable length |
| Main and auxiliary | 26 mm Verotop Rotation Resistant (non-rotating) Min. breaking strength 65 800 kg (145,000 lb) | 12 500 kg* (27,600 lb*) | 175 m (574 ft) |
| Main and auxiliary | 26 mm Casar Starlift (35x7 class) Rotation Resistant Min. breaking strength 62 685 kg (138,200 lb) | 12 500 kg* (27,600 lb*) | 175 m (574 ft) |

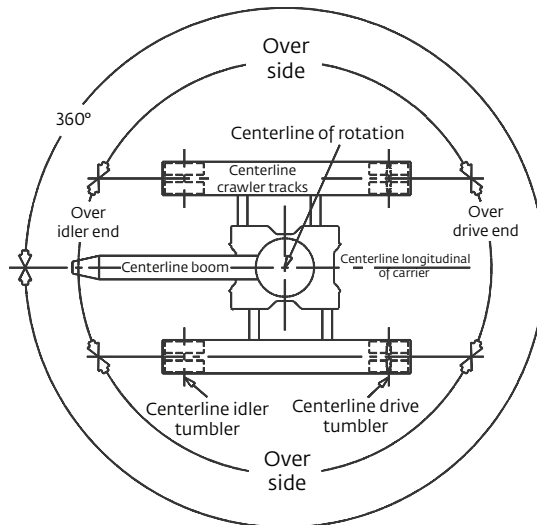
The approximate weight of Verotop and Casar 26 mm wire rope is 3,3 kg/m (2.2 lb/ft).

*With certain boom and hoist tackle combinations, the allowable line pull may be limited by hoist performance. Refer to Hoist Performance table for lift planning to ensure adequate hoist performance on drum rope layer required.

| Hoist performance | | | | |
|-------------------|----------------------------------|---------------------|--------------------|--------------------|
| Wire rope layer | Hoist line pulls two-speed hoist | | Drum rope capacity | |
| | Low available* | High available* | Layer | Total |
| 1 | 18 365 kg (40,488 lb) | 5874 kg (12,949 lb) | 21,9 m (71.8 ft) | 21,9 m (71.8 ft) |
| 2 | 16 891 kg (37,238 lb) | 5402 kg (11,910 lb) | 23,9 m (78.1 ft) | 45,7 m (149.9 ft) |
| 3 | 15 636 kg (34,471 lb) | 5001 kg (11,025 lb) | 25,7 m (84.3 ft) | 71,4 m (234.2 ft) |
| 4 | 14 554 kg (32,087 lb) | 4655 kg (10,262 lb) | 27,6 m (90.6 ft) | 99,0 m (324.8 ft) |
| 5 | 13 613 kg (30,012 lb) | 4354 kg (9598 lb) | 29,5 m (96.9 ft) | 128,5 m (421.7 ft) |
| 6 | 12 786 kg (28,188 lb) | 4089 kg (9015 lb) | 31,4 m (103.1 ft) | 160,0 m (524.8 ft) |
| 7 | 12 053 kg (26,573 lb) | 3855 kg (8499 lb) | 33,3 m (109.4 ft) | 193,3 m (634.2 ft) |

*Max lifting capacity: Verotop & 35x7 class rope = 12 500 kg (27,600 lb)

Working area diagram



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Symbols glossary



Axles



Crawler



Gear



Radius



Boom



Counterweight



Grade



Rotation



Boom elevation



Drive



Heavy duty jib



Speed



Boom extension



Electrical system



Hoist



Steering



Boom length



Engine



Hookblock



Suspension



Boom nose



Extension



Hydraulic system



Swing



Brakes



Frame



Lights



Tires



Cab



Fuel tank capacity



Oil



Transmission



Crawler



Outriggers



Outrigger controls

Notes

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