



# KOBELCO CKE2500-2

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We look forward to providing a full heavy lift engineering and crane solution for your next project. Our heavy lift engineers and on site personnel are experienced in managing and organising highly de-manding lift requirements.

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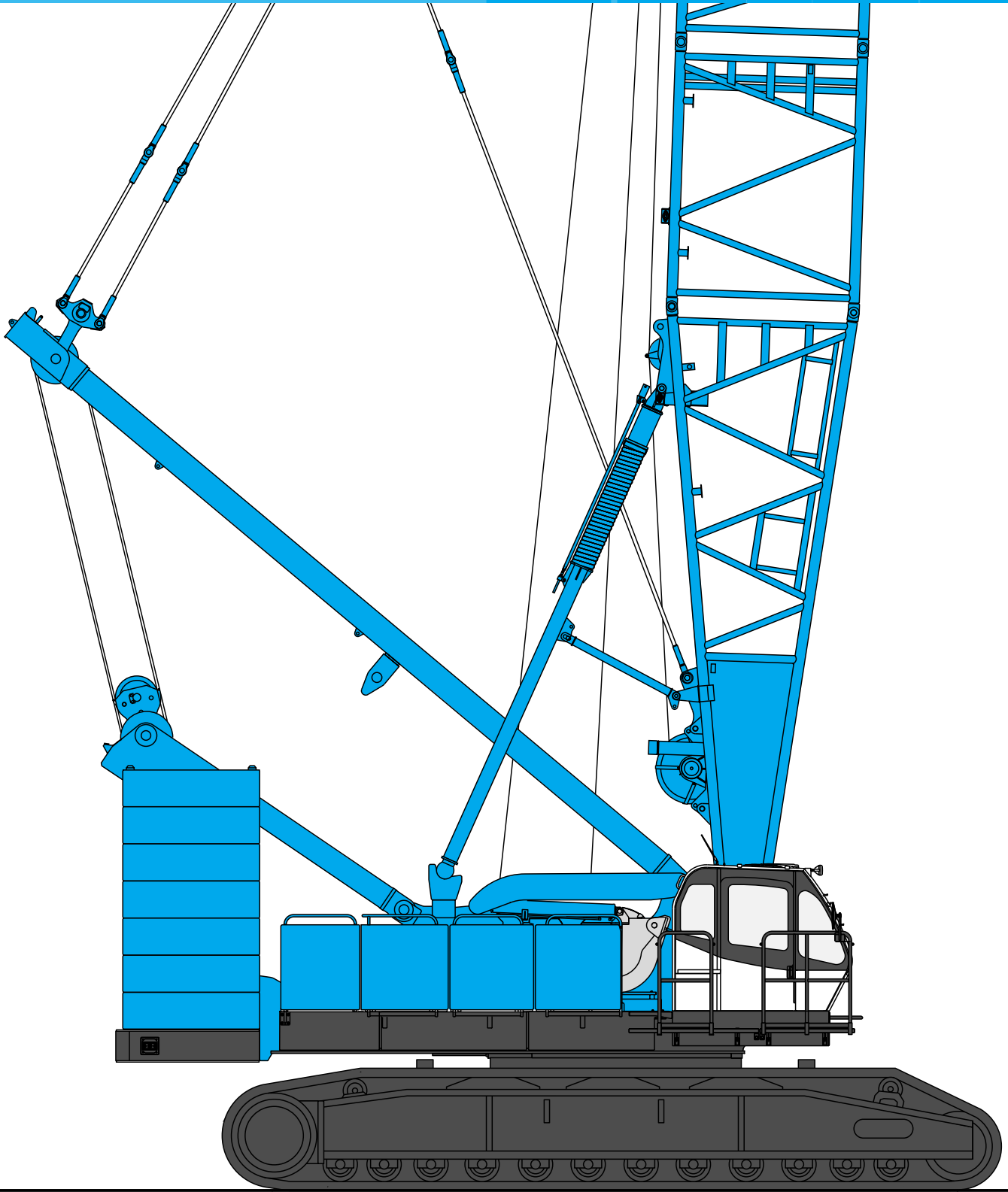
07 4952 6998  
135 Diesel Drive, Paget QLD 4740

**KOBELCO**

HYDRAULIC CRAWLER CRANE

***CKE2500***

Model: CKE2500-2



**Max. Lifting Capacity: 250 t x 4.6 m**  
**Max. Crane Boom Length: 91.4 m**  
**Max. Fixed Jib Combination: 76.2 + 30.5 m**  
**Max. Luffing Jib Combination: 61.0 + 61.0 m**

# CONFIGURATION

## Crane Boom

Max. Lifting Capacity:  
250 metric ton x 4.6 m  
Max. Boom Length:  
91.4 m



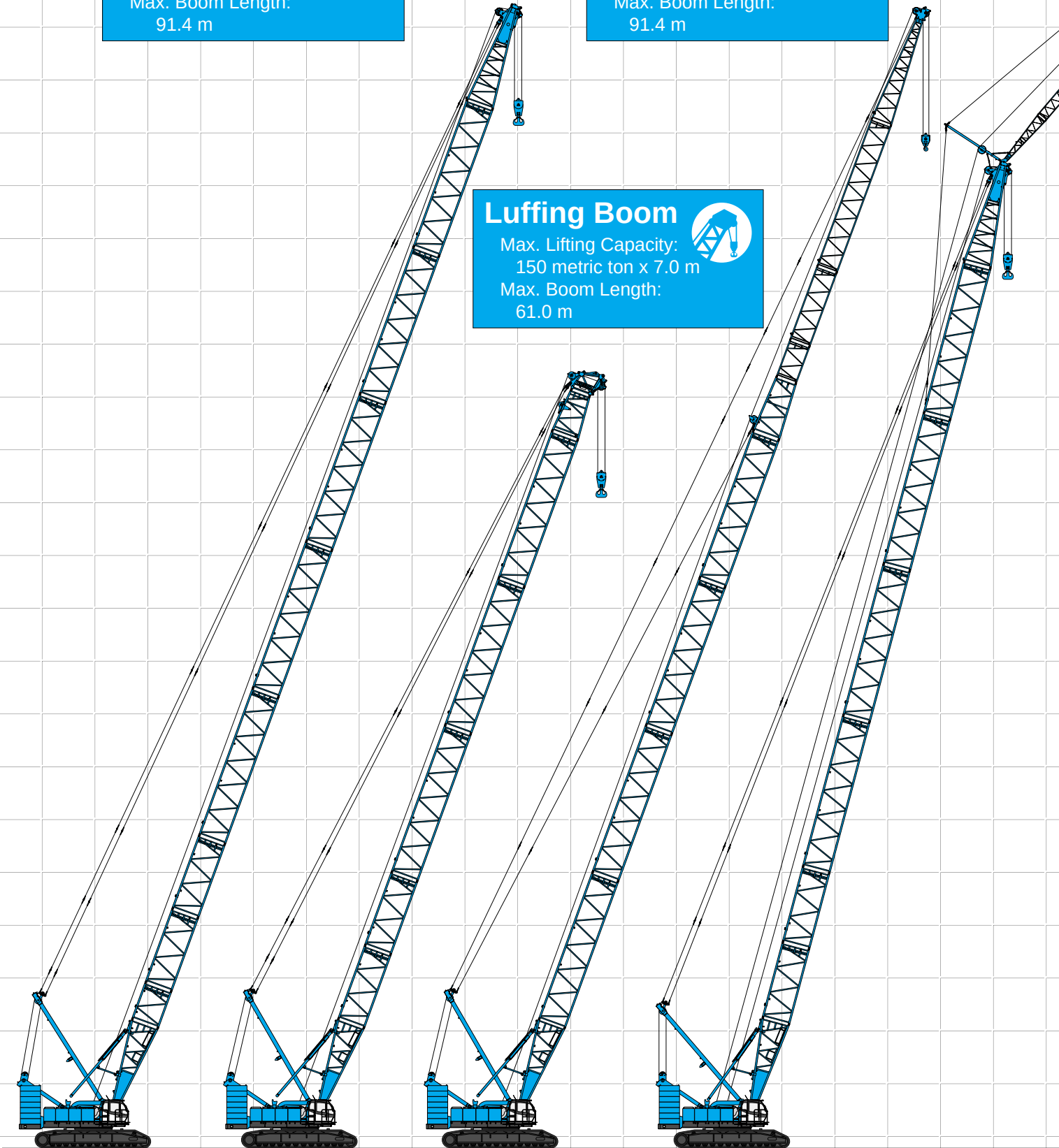
## Long Boom

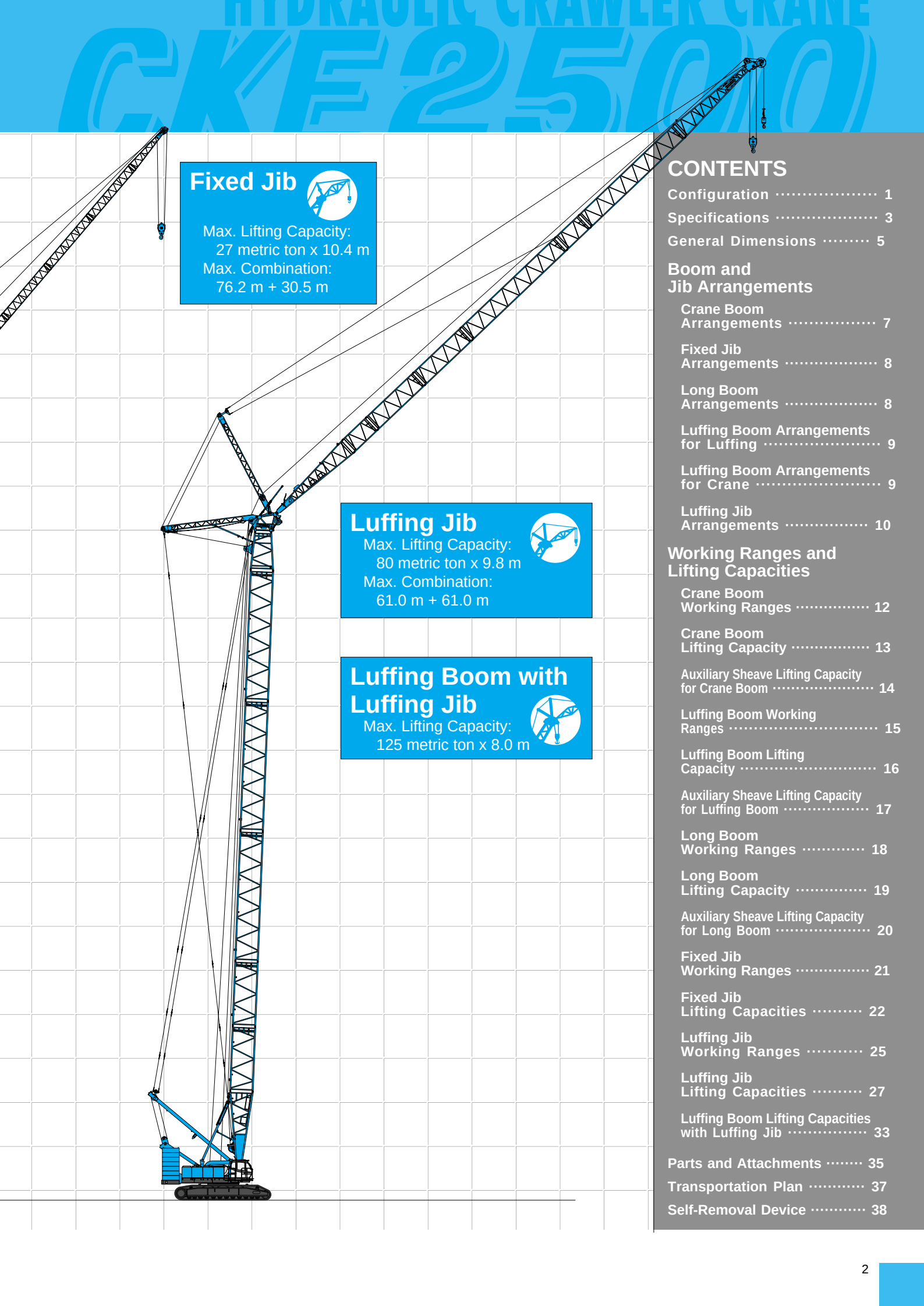
Max. Lifting Capacity:  
47.1 metric ton x 12.8 m  
Max. Boom Length:  
91.4 m



## Luffing Boom

Max. Lifting Capacity:  
150 metric ton x 7.0 m  
Max. Boom Length:  
61.0 m





**Fixed Jib**



Max. Lifting Capacity:  
27 metric ton x 10.4 m  
Max. Combination:  
76.2 m + 30.5 m

**Luffing Jib**



Max. Lifting Capacity:  
80 metric ton x 9.8 m  
Max. Combination:  
61.0 m + 61.0 m

**Luffing Boom with  
Luffing Jib**



Max. Lifting Capacity:  
125 metric ton x 8.0 m

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# SPECIFICATIONS



## Power Plant

**Model:** Hino diesel engine P11C-UN

**Type:** Water-cooled, direct fuel injection, with turbocharger  
Complies with NRMM (Europe) Stage IIIA and US EPA Tier III.

**Displacement:** 10.520 liters

**Rated Power:** 247 kW/2,000 min<sup>-1</sup> {rpm} (ISO)

**Max. torque:** 1,300 N·m/1,500 min<sup>-1</sup>

**Cooling system:** Liquid, recirculating bypass

**Starter:** 24 V/6.0 kW

**Radiator:** Corrugated type core, thermostatically controlled

**Air cleaner:** Dry type with replaceable paper element

**Throttle:** Electric throttle control, twist grip type

**Fuel filter:** Replaceable paper element

**Batteries:** Two 12V, 170Ah/20HR capacity batteries, series connected.

**Fuel tank capacity:** 400 liters



## Hydraulic System

Four variable displacement piston pumps are driven by heavy-duty pump drive. Two of variable displacement pumps are used in the main hook hoist circuit, auxiliary hook hoist circuit, jib hoist circuit and each propel circuit. One of the other two pumps is used in the boom hoist circuit, and the other is used in the swing circuit.

**Control:** Full-flow hydraulic control system for infinitely variable pressure to front and rear drums, boom hoist drum and propel. Controls respond instantly to the touch, delivering smooth function operation.

**Cooling:** Oil-to-air heat exchanger (plate-fin type)

**Filtration:** Full-flow and bypass type with replaceable element

**Electrical system:** All wiring corded for easy servicing, individual fused branch circuits.

**Max. relief valve pressure:**

**Load hoist, boom hoist and propel system:**

31.9 MPa {325 kgf/cm<sup>2</sup>}

**Swing system:** 27.5 MPa {280 kgf/cm<sup>2</sup>}

**Control system:** 5.4 MPa {55 kgf/cm<sup>2</sup>}

**Reservoir capacity:** 600 liters



## Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.

**Brake:** A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.

**Drum lock:** External ratchet for locking drum.

**Drum:** Double drum, grooved for 26 mm dia. wire rope.

**Line speed:** Double line on first drum layer

**Hoisting/Lowering:** 22 to 2 m/min x 2

## Diameter of wire ropes

**Boom guy line:** 38 mm

**Boom hoist reeving:** 16 parts of 26 mm dia. high strength wire rope

**Boom backstops:** Required for all boom lengths



## Load Hoist System

Front and rear drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.

**Negative Brake:** A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve. (Positive free fall brake is optional item.)

**Drum lock:** External ratchet for locking drum.

**Drums:**

**Front drum:**

617.1 mm P.C.D. x 833.7 mm Lg. wide drum, grooved for 25 mm wire rope. Rope capacity is 480 m working length and 600 m storage length.

**Rear drum:**

617.4 mm P.C.D. x 833.7 mm Lg. wide drum, grooved for 25 mm wire rope. Rope capacity is 390 m working length and 600 m storage length.

Note: Rope lengths listed above denote drum capacity and may differ from actual rope lengths supplied when machinery is shipped.

**Line speed:** Single line on the first drum layer

**Hoisting/Lowering:** 110 to 3 m/min

**Line Pull (Single-line):**

**Rated line pull:** 132 kN {13.5 tf}



## Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (2 sets), the swing system provides 360° rotation.

**Swing parking brakes:** A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.

**Swing circle:** Single-row ball bearing with an integral internally cut swing gear.

**Swing lock:** Manually, four position lock for transportation

**Swing speed:** 2.2 min<sup>-1</sup> {rpm}



## Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine with low noise level. Complies with EC Directive 2000/14/EC.

**Counterweight:** 90.0 ton





## Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a head-rest and armrests, and intermittent wiper and window washer (roof and front window).

### Cab fittings:

Air conditioner, convenient compartment (for tool), cup holder, ashtray, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, foot-rest, shoe tray

### Controls:

Four adjustable levers for front drum, rear drum, boom drum and swing controls, and boom hoist pedal.



## Lower Structure

Steel-welded carbody with axles. Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles. Crawler belt tension is maintained by hydraulic jack force on the track-adjusting bearing block.

**Carbody weight:** 24.0 ton

**Crawler drive:** Independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

**Crawler brakes:** Spring-set, hydraulically released parking brakes are built into each propel drive.

**Steering mechanism:** A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

**Track rollers:** Sealed track rollers for maintenance-free operation.

**Shoes (flat):** 68 shoes, 1,220 mm wide each crawler  
(Optional 1,330 mm shoe is available)

**Max. travel speed:** 1.1/0.7 km/h

**Max. gradeability:** 30%



## Weight

Including upper and lower machine, 90.0 ton counterweight and 24.0 ton carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

| Specification      | Weight                     | Ground pressure             |
|--------------------|----------------------------|-----------------------------|
| <b>Crane boom</b>  | Approx. 213 ton, 108.4 kPa | {1.11 kgf/cm <sup>2</sup> } |
| <b>Fixed jib</b>   | Approx. 214 ton, 108.9 kPa | {1.11 kgf/cm <sup>2</sup> } |
| <b>Luffing jib</b> | Approx. 222 ton, 113.0 kPa | {1.15 kgf/cm <sup>2</sup> } |



## Attachment

### Boom and Jib:

Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections.

### Boom and Jib Length

|              | Min. Length<br>(Min. Combination) | Max. Length<br>(Max. Combination) |
|--------------|-----------------------------------|-----------------------------------|
| Crane Boom   | 15.2 m                            | 91.4 m                            |
| Luffing Boom | 15.2 m                            | 61.0 m                            |
| Long Boom    | 64.0 m                            | 91.4 m                            |
| Fixed Jib    | 27.4 m + 12.2 m                   | 76.2 m + 30.5 m                   |
| Luffing Jib  | 21.3 m + 21.3 m                   | 61.0 m + 61.0 m                   |

## Main Specifications (Model: CKE2500-2)

| Crane Boom                    |                                              |
|-------------------------------|----------------------------------------------|
| Max. Lifting Capacity         | 250 t/4.6 m                                  |
| Max. Length                   | 91.4 m                                       |
| Luffing Boom                  |                                              |
| Max. Lifting Capacity         | 150 t/7.0 m                                  |
| Max. Length                   | 61.0 m                                       |
| Long Boom                     |                                              |
| Max. Lifting Capacity         | 47.1 t/12.8 m                                |
| Max. Length                   | 91.4 m                                       |
| Fixed Jib                     |                                              |
| Max. Lifting Capacity         | 27 t/10.4 m                                  |
| Max. Length                   | 30.5 m                                       |
| Max. Combination              | 76.2 m + 30.5 m                              |
| Luffing Jib                   |                                              |
| Max. Lifting Capacity         | 80 t/9.8 m                                   |
| Jib Length                    | 21.3m ~ 61.0 m                               |
| Max. Combination              | 61.0 m + 61.0 m                              |
| Luffing Angle                 | 63° ~ 88°                                    |
| Main & Aux. Winch             |                                              |
| Max. Line Speed               | 110 m/min (1st layer)                        |
| Rated Line Pull (Single Line) | 132 kN {13.5 tf}                             |
| Wire Rope Diameter            | 25 mm                                        |
| Wire Rope Length              | 480 m (Main) 390 m (Aux.)                    |
| Brake Type                    | Spring set hydraulically released (Negative) |
| Free-Fall Brake Type          | Wet-type multiple disc brake (Optional)      |

### Working Speed

|              |                                 |
|--------------|---------------------------------|
| Swing Speed  | 2.2 min <sup>-1</sup> {2.2 rpm} |
| Travel Speed | 1.1/0.7 km/h                    |

### Power Plant

|                    |                                      |
|--------------------|--------------------------------------|
| Model              | Hino P11C-UN                         |
| Engine Output      | 247 kW/2,000 min <sup>-1</sup> {rpm} |
| Fuel Tank Capacity | 400 liters                           |

### Hydraulic System

|                         |                                     |
|-------------------------|-------------------------------------|
| Main Pumps              | 4 variable displacement             |
| Max. Pressure           | 31.9 MPa {325 kgf/cm <sup>2</sup> } |
| Hydraulic Tank Capacity | 600 liters                          |

### Self-Removal Device

|  |          |
|--|----------|
|  | Standard |
|--|----------|

### Weight

|                    |                                       |
|--------------------|---------------------------------------|
| Operating Weight*  | Approx. 213 t                         |
| Ground Pressure*   | 108.4 kPa {1.11 kgf/cm <sup>2</sup> } |
| Counterweight      | 90.0 t (Upper), 24.0 t (Lower)        |
| Transport Weight** | Approx. 44.9 t                        |

\* Including upper and lower machine, 90.0 ton counterweight and 24.0 ton carbody weight, basic boom, hook, and other accessories.

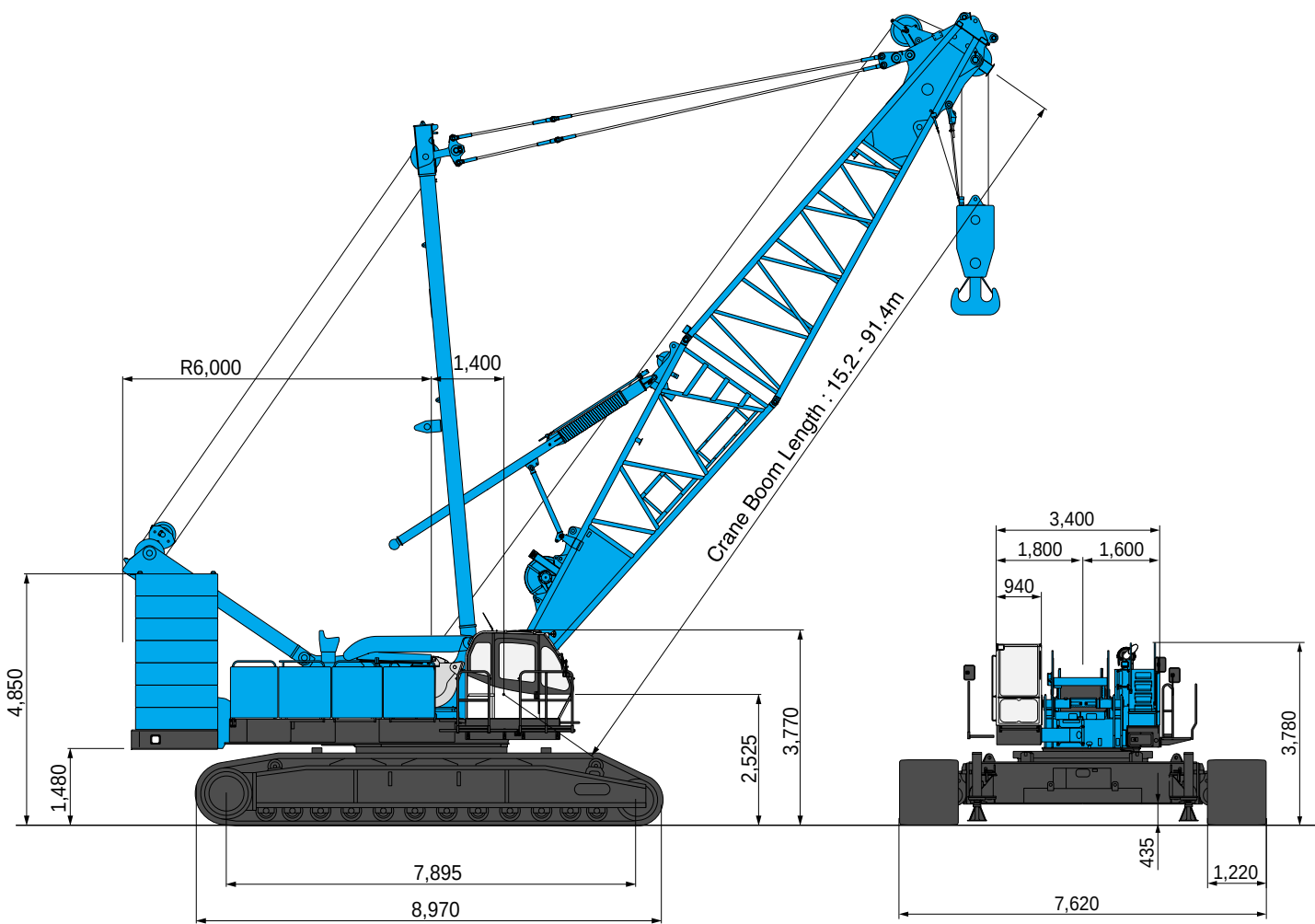
\*\* Base machine with trans-lifter, main and aux. winches (non-free fall) including wire rope, and boom hoist winch including wire rope.

Units are SI units. { } indicates conventional units.

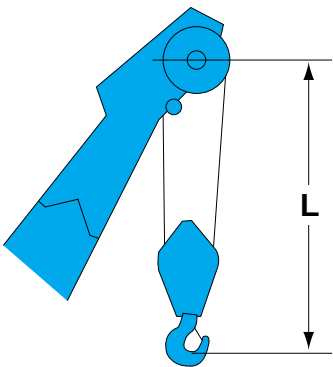
# GENERAL DIMENSIONS

## Crane Boom

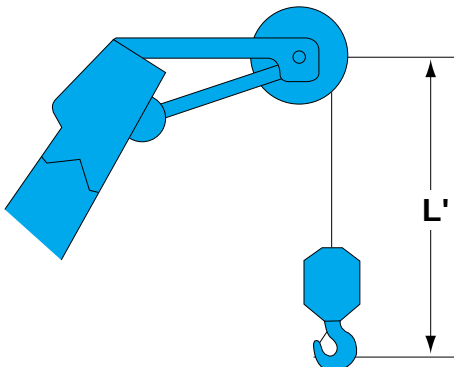
(Unit: mm)



## Limit of Hook Lifting



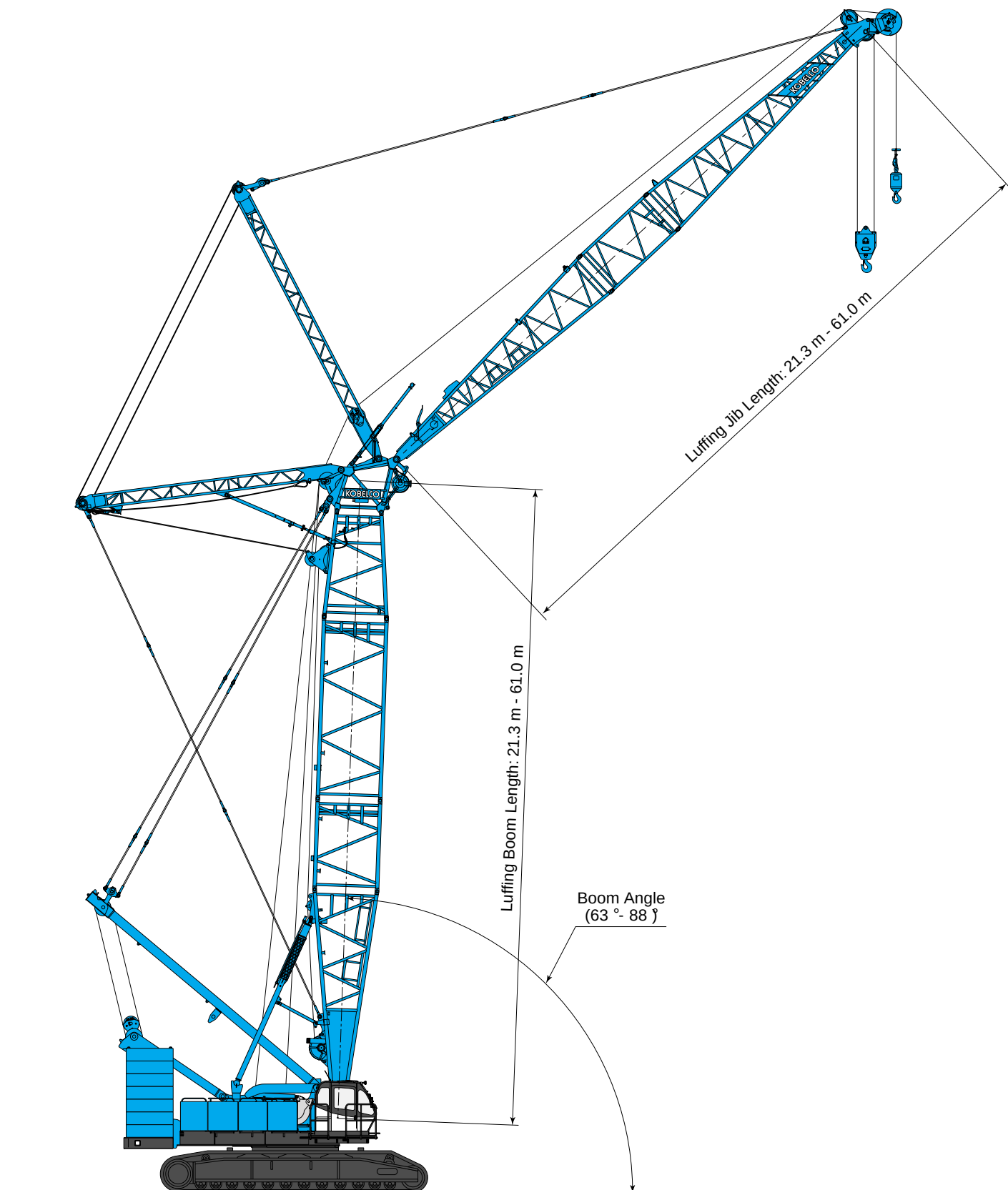
| Hook       | L     |
|------------|-------|
| 250 t hook | 5.3 m |
| 150 t hook | 5.9 m |
| 70 t hook  | 4.9 m |
| 35 t hook  | 4.7 m |



| Hook             | L'    |
|------------------|-------|
| 35 t hook        | 3.8 m |
| 13.5 t ball hook | 3.5 m |

## Luffing Jib

(Unit: mm)





# BOOM AND JIB ARRANGEMENTS

## Crane Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|--------------------|------------------|
| 15.2 (50)          |                  |
| 18.3 (60)          |                  |
| 21.3 (70)          | ※                |
| 24.4 (80)          | ※                |
| 27.4 (90)          | ※                |
| 30.5 (100)         | ※                |
| 33.5 (110)         | ※                |
| 36.6 (120)         | ※                |
| 39.6 (130)         | ※                |
| 42.7 (140)         | ※                |
| 45.7 (150)         | ※                |
| 48.8 (160)         | ※                |
| 51.8 (170)         | ※                |

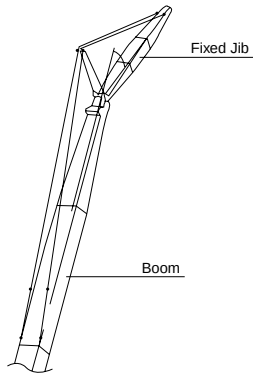
| Symbol | Boom Length | Remarks     |
|--------|-------------|-------------|
|        | 7.6 m       | Boom Base   |
|        | 7.6 m       | Boom Top    |
|        | 3.0 m       | Insert Boom |
|        | 6.1 m       | Insert Boom |
|        | 12.2 m      | Insert Boom |

| Boom length m (ft) | Boom arrangement |
|--------------------|------------------|
| 54.9 (180)         | ※                |
| 57.9 (190)         | ※                |
| 61.0 (200)         | ※                |
| 64.0 (210)         | ※                |
| 67.1 (220)         | ※                |
| 70.1 (230)         | ※                |
| 73.2 (240)         | ※                |
| 76.2 (250)         | ※                |
| 79.3 (260)         | ※                |
| 82.3 (270)         | ※                |
| 85.3 (280)         | ※                |
| 88.4 (290)         | ※                |
| 91.4 (300)         |                  |

↗ mark shows the guy line installing position when the fixed jib is used.

※ mark shows the standard crane boom arrangement which enables each boom length of less than that boom length to be configured.

## Fixed Jib Arrangements



| Crane boom length | Jib length m (ft) | Jib arrangement |
|-------------------|-------------------|-----------------|
| 27.4 m<br>76.2 m  | 12.2 (40)         |                 |
|                   | 18.3 (60)         |                 |
|                   | 24.4 (80)         |                 |
|                   | 30.5 (100)        |                 |

| Symbol | Jib Length | Remarks    |
|--------|------------|------------|
|        | 4.6 m      | Jib Base   |
|        | 4.6 m      | Jib Top    |
|        | 3.0 m      | Insert Jib |
|        | 6.1 m      | Insert Jib |

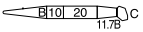
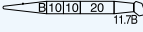
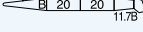
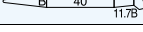
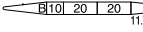
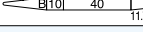
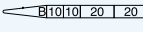
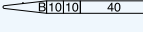
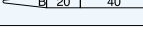
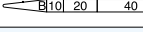
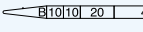
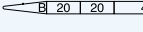
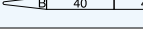
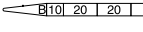
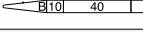
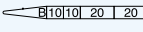
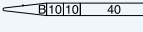
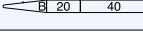
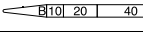
## Long Boom Arrangements

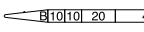
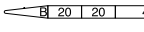
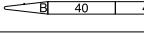
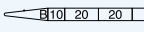
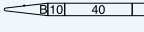
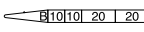
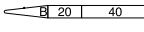
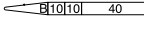
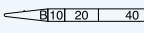
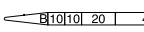
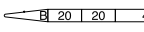
| Boom length m (ft) | Boom arrangement |
|--------------------|------------------|
| 64.0 (210)         |                  |
| 67.1 (220)         |                  |
| 70.1 (230)         |                  |
| 73.2 (240)         |                  |
| 76.2 (250)         |                  |
| 79.3 (260)         |                  |
| 82.3 (270)         |                  |
| 85.3 (280)         |                  |
| 88.4 (290)         |                  |
| 91.4 (300)         |                  |

※ mark shows the standard long boom arrangement which enables each boom length of less than that boom length to be configured.

| Symbol | Long Boom Length | Remarks            |
|--------|------------------|--------------------|
|        | 7.6 m            | Boom Base          |
|        | 9.1 m            | Luffing Jib Top    |
|        | 3.0 m            | Insert Boom        |
|        | 6.1 m            | Insert Boom        |
|        | 12.2 m           | Insert Boom        |
|        | 4.6 m            | Tapered Boom       |
|        | 3.0 m            | Relay Jib          |
|        | 3.0 m            | Luffing Insert Jib |
|        | 6.1 m            | Luffing Insert Jib |
|        | 12.2 m           | Luffing Insert Jib |

## Luffing Boom Arrangements for Luffing

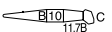
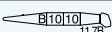
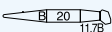
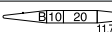
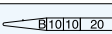
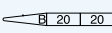
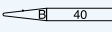
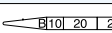
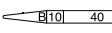
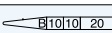
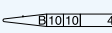
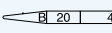
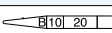
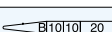
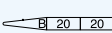
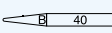
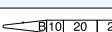
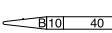
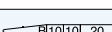
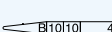
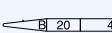
| Boom length m (ft) | Boom arrangement                                                                                                                                                                                                                                                    |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21.3 (70)          | ※                                                                                                                                                                                  |
| 24.4 (80)          | ※ <br><br>       |
| 27.4 (90)          | ※ <br>                                                                                            |
| 30.5 (100)         | ※ <br><br>       |
| 33.5 (110)         | ※                                                                                                                                                                                  |
| 36.6 (120)         | ※ <br><br>       |
| 39.6 (130)         | ※ <br>                                                                                           |
| 42.7 (140)         | ※ <br><br> |
| 45.7 (150)         | ※                                                                                                                                                                                |

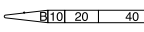
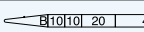
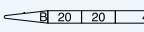
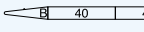
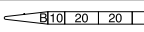
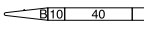
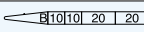
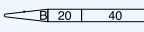
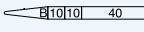
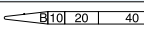
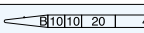
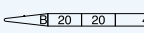
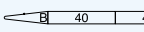
| Boom length m (ft) | Boom arrangement                                                                                                                                                                                                                                                 |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48.8 (160)         | ※ <br><br> |
| 51.8 (170)         | ※ <br>                                                                                       |
| 54.9 (180)         | ※ <br><br> |
| 57.9 (190)         | ※                                                                                                                                                                              |
| 61.0 (200)         | ※ <br>                                                                                       |

※ mark shows the standard luffing boom arrangement which enables each boom length of less than that boom length to be configured.

| Symbol                                                                              | Luffing Boom Length | Remarks              |
|-------------------------------------------------------------------------------------|---------------------|----------------------|
|   | 7.6 m               | Boom Base            |
|  | 1.0 m               | Luffing Boom Top     |
|  | 3.6 m               | Luffing Tapered Boom |
|  | 3.0 m               | Insert Boom          |
|  | 6.1 m               | Insert Boom          |
|  | 12.2 m              | Insert Boom          |

## Luffing Boom Arrangements for Crane

| Boom length m (ft) | Boom arrangement                                                                                                                                                                                                                                                    |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.2 (50)          |                                                                                                                                                                                  |
| 18.3 (60)          | ※ <br>                                                                                        |
| 21.3 (70)          | ※                                                                                                                                                                                |
| 24.4 (80)          | ※ <br><br> |
| 27.4 (90)          | ※ <br>                                                                                        |
| 30.5 (100)         | ※ <br><br> |
| 33.5 (110)         | ※                                                                                                                                                                                |
| 36.6 (120)         | ※ <br><br> |
| 39.6 (130)         | ※ <br>                                                                                        |
| 42.7 (140)         | ※ <br><br> |

| Boom length m (ft) | Boom arrangement                                                                                                                                                                                                                                                       |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 45.7 (150)         | ※                                                                                                                                                                                  |
| 48.8 (160)         | ※ <br><br> |
| 51.8 (170)         | ※ <br>                                                                                         |
| 54.9 (180)         | ※ <br><br> |
| 57.9 (190)         | ※                                                                                                                                                                                  |
| 61.0 (200)         | ※ <br><br> |

※ mark shows the standard luffing boom arrangement which enables each boom length of less than that boom length to be configured.

| Symbol                                                                              | Luffing Boom Length | Remarks              |
|-------------------------------------------------------------------------------------|---------------------|----------------------|
|  | 7.6 m               | Boom Base            |
|  | 1.0 m               | Luffing Boom Top     |
|  | 3.6 m               | Luffing Tapered Boom |
|  | 3.0 m               | Insert Boom          |
|  | 6.1 m               | Insert Boom          |
|  | 12.2 m              | Insert Boom          |

## Luffing Jib Arrangements

| Jib length m (ft) | Jib arrangement |
|-------------------|-----------------|
| 21.3 (70)         | ※               |
| 24.4 (80)         | ※               |
| 27.4 (90)         | ※               |
| 30.5 (100)        | ※               |
| 33.5 (110)        | ※               |
| 36.6 (120)        | ※               |

| Jib length m (ft) | Jib arrangement |
|-------------------|-----------------|
| 39.6 (130)        | ※               |
| 42.7 (140)        | ※               |
| 45.7 (150)        | ※               |
| 48.8 (160)        | ※               |

↘ mark shows the installing position for mid suspension guy line.

※ mark shows the standard luffing jib arrangement which enables each luffing jib length of less than that jib length to be configured.

| Jib length m (ft) | Jib arrangement |
|-------------------|-----------------|
| 51.8 (170)        | ※               |
| 54.9 (180)        | ※               |
| 57.9 (190)        | ※               |
| 61.0 (200)        | ※               |

| Symbol | Luffing Jib Length | Remarks            |
|--------|--------------------|--------------------|
|        | 9.1 m              | Luffing Jib Base   |
|        | 9.1 m              | Luffing Jib Top    |
|        | 3.0 m              | Relay Jib          |
|        | 3.0 m              | Luffing Insert Jib |
|        | 6.1 m              | Luffing Insert Jib |
|        | 12.2 m             | Luffing Insert Jib |

## Luffing Boom and Jib Combinations.

|                 |      | Jib Length (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 |      | 21.3           | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 39.6 | 42.7 | 45.7 | 48.8 | 51.8 | 54.9 | 57.9 | 61.0 |
| Boom Length (m) | 21.3 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 24.4 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 27.4 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 30.5 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 33.5 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 36.6 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 39.6 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 42.7 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 45.7 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 48.8 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 51.8 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 54.9 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 57.9 | ○              | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |
|                 | 61.0 | ×              | ×    | ×    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |

○ : Combinations which is allowed.    × : Combinations which is not allowed.



## Hook Blocks

A range of hook blocks can be specified, each with a safety latch.

| Hooks              | Weight (kg) | No. of sheaves | No. of lines and max. rated loads (tons) |      |      |      |      |      |      |       |
|--------------------|-------------|----------------|------------------------------------------|------|------|------|------|------|------|-------|
|                    |             |                | 1                                        | 2    | 3    | 4    | 5    | 6    | 7    | 8     |
| 250-ton            | 4,200       | 11             | -                                        | -    | -    | 54.0 | -    | 81.0 | -    | 108.0 |
| 150-ton            | 2,300       | 6              | -                                        | -    | 40.5 | 54.0 | 67.5 | 81.0 | 94.5 | 108.0 |
| 70-ton             | 1,200       | 3              | -                                        | 27.0 | 40.5 | 54.0 | 67.5 | 70.0 | -    | -     |
| 35-ton             | 900         | 1              | -                                        | 27.0 | 35.0 | -    | -    | -    | -    | -     |
| 13.5-ton ball hook | 450         | 0              | 13.5                                     | -    | -    | -    | -    | -    | -    | -     |

| Hooks              | Weight (kg) | No. of sheaves | No. of lines and max. rated loads (tons) |       |       |       |       |       |       |       |
|--------------------|-------------|----------------|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                    |             |                | 9                                        | 10    | 12    | 14    | 16    | 18    | 20    | 22    |
| 250-ton            | 4,200       | 11             | -                                        | 135.0 | 160.0 | 183.0 | 205.0 | 227.0 | 240.0 | 250.0 |
| 150-ton            | 2,300       | 6              | 121.5                                    | 135.0 | 150.0 | -     | -     | -     | -     | -     |
| 70-ton             | 1,200       | 3              | -                                        | -     | -     | -     | -     | -     | -     | -     |
| 35-ton             | 900         | 1              | -                                        | -     | -     | -     | -     | -     | -     | -     |
| 13.5-ton ball hook | 450         | 0              | -                                        | -     | -     | -     | -     | -     | -     | -     |



## Main Hoist Drum Rated Loads in Metric Tons

| No. of Parts of Line | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Max. Loads (ton)     | 13.5  | 27.0  | 40.5  | 54.0  | 67.5  | 81.0  | 94.5  | 108.0 |
| No. of Parts of Line | 9     | 10    | 12    | 14    | 16    | 18    | 20    | 22    |
| Max. Loads (ton)     | 121.5 | 135.0 | 160.0 | 183.0 | 205.0 | 227.0 | 240.0 | 250.0 |

## Style and Combination of Boom and Jib

|      | Style                      | Crane Boom    | Luffing Boom  | Long Boom         | Fixed Jib         | Luffing Jib         |
|------|----------------------------|---------------|---------------|-------------------|-------------------|---------------------|
| Boom | 7.6 m boom base            | Common use(1) | Common use(1) | Common use(1)     | Common use(1)     | Common use(1)       |
|      | 7.6 m boom top             | Common use(1) | N.A.          | N.A.              | Common use(1)     | N.A.                |
|      | 1.0 m luffing boom top     | N.A.          | Common use(1) | N.A.              | N.A.              | Common use(1)       |
|      | 3.0 m insert boom          | Common use(1) | Common use(2) | Common use(2)     | Common use(2)     | Common use(2)       |
|      | 6.1 m insert boom          | Common use(2) | Common use(1) | Common use(1)     | Common use(1)     | Common use(1)       |
|      | 12.2 m insert boom         | Common use(5) | Common use(3) | Common use(3)     | Common use(4)     | Common use(3)       |
|      | 3.6 m luffing tapered boom | N.A.          | Common use(1) | N.A.              | N.A.              | Common use(1)       |
|      | 4.6 m tapered boom         | N.A.          | N.A.          | Long Boom only(1) | N.A.              | N.A.                |
| Jib  | 4.6 m jib base             | -             | -             | N.A.              | Fixed jib only(1) | N.A.                |
|      | 4.6 m jib top              | -             | -             | N.A.              | Fixed jib only(1) | N.A.                |
|      | 3.0 m insert jib           | -             | -             | N.A.              | Fixed jib only(1) | N.A.                |
|      | 6.1 m insert jib           | -             | -             | N.A.              | Fixed jib only(3) | N.A.                |
|      | 9.1 m luffing jib base     | -             | -             | N.A.              | N.A.              | Luffing jib only(1) |
|      | 9.1 m luffing jib top      | -             | -             | Common use(1)     | N.A.              | Common use(1)       |
|      | 3.0 m relay jib            | -             | -             | Common use(1)     | N.A.              | Common use(1)       |
|      | 3.0 m luffing insert jib   | -             | -             | Common use(2)     | N.A.              | Common use(1)       |
|      | 6.1 m luffing insert jib   | -             | -             | Common use(2)     | N.A.              | Common use(2)       |
|      | 12.2 m luffing insert jib  | -             | -             | Common use        | N.A.              | Common use(2)       |

Note: 1. Figure in ( ) means the numbers of the maximum usable boom (or jib) respectively.

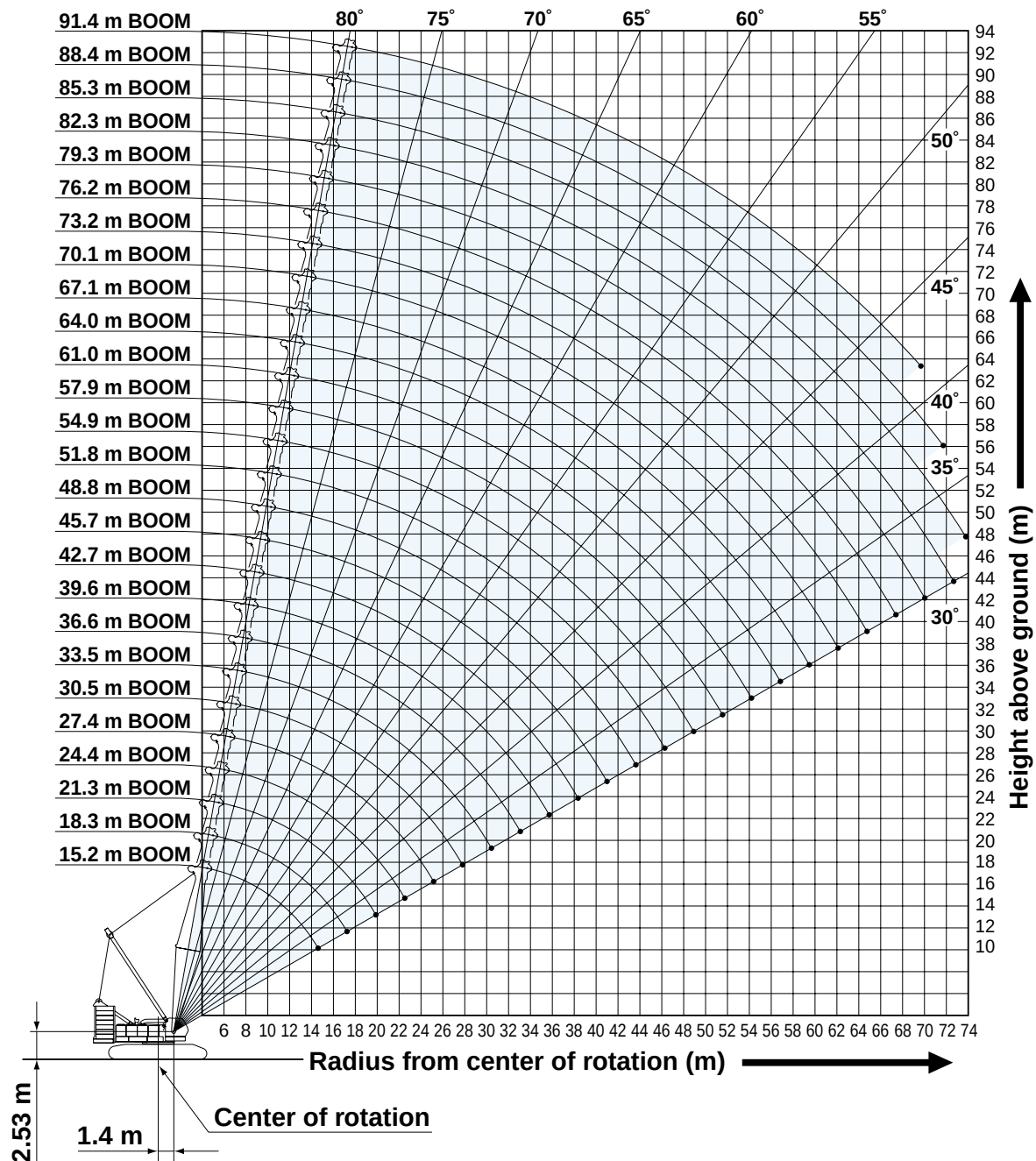
2. N.A.: Not applicable

## Symbols for Attachments:

|            |                                 |              |                                   |           |                                |           |             |                               |
|------------|---------------------------------|--------------|-----------------------------------|-----------|--------------------------------|-----------|-------------|-------------------------------|
|            |                                 |              |                                   |           |                                |           |             |                               |
| Crane Boom | Auxiliary Sheave for Crane Boom | Luffing Boom | Auxiliary Sheave for Luffing Boom | Long Boom | Auxiliary Sheave for Long Boom | Fixed Jib | Luffing Jib | Luffing Boom with Luffing Jib |

# WORKING RANGES AND LIFTING CAPACITIES

## Crane Boom Working Ranges



### NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the

"Operator's Manual".

9. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in   are determined by the strength of the boom or other structural component.
14. When erecting or lowering the boom length of 88.4 m or over, the pillow plate for erection must be placed at the end of crawlers.
15. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
16. Crane boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from crane boom ratings shown.
17. Auxiliary sheave ratings for crane boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for crane boom shown.
18. Crane boom lengths for auxiliary sheave mounting are 15.2 m to 88.4 m.





# Crane Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| Boom Length (m)<br>Working radius (m) | 15.2        | 18.3        | 21.3       | 24.4        | 27.4        | 30.5        | 33.5        | 36.6        | 39.6        | 42.7        | 45.7        | 48.8        | 51.8        | Boom Length (m)<br>Working radius (m) |
|---------------------------------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------|
| 4.6                                   | 4.6 m/250.0 |             |            |             |             |             |             |             |             |             |             |             |             | 4.6                                   |
| 5.0                                   | 230.7       | 226.7       | 5.5m/205.0 |             |             |             |             |             |             |             |             |             |             | 5.0                                   |
| 6.0                                   | 191.5       | 191.5       | 191.1      | 6.1 m/183.0 | 6.6 m/174.5 |             |             |             |             |             |             |             |             | 6.0                                   |
| 7.0                                   | 165.9       | 165.6       | 165.2      | 165.0       | 164.7       | 7.1 m/154.2 | 7.7 m/143.8 |             |             |             |             |             |             | 7.0                                   |
| 8.0                                   | 146.1       | 145.8       | 145.4      | 145.2       | 144.9       | 144.6       | 141.4       | 8.2 m/127.3 | 8.7 m/115.7 |             |             |             |             | 8.0                                   |
| 9.0                                   | 130.4       | 130.1       | 129.8      | 129.6       | 129.2       | 127.0       | 127.3       | 123.8       | 114.8       | 9.2 m/107.2 | 9.8 m/98.3  |             |             | 9.0                                   |
| 10.0                                  | 117.7       | 117.4       | 117.1      | 116.9       | 114.7       | 115.0       | 113.3       | 110.5       | 107.4       | 103.8       | 97.0        | 10.3 m/92.6 | 10.8 m/84.7 | 10.0                                  |
| 12.0                                  | 90.0        | 90.2        | 90.2       | 90.2        | 90.2        | 90.1        | 90.0        | 89.9        | 87.8        | 85.9        | 83.8        | 82.0        | 79.5        | 12.0                                  |
| 14.0                                  | 72.2        | 72.4        | 72.4       | 72.4        | 72.3        | 72.2        | 72.1        | 72.0        | 72.0        | 72.0        | 70.8        | 69.4        | 68.0        | 14.0                                  |
| 16.0                                  | 14.8 m/65.7 | 60.2        | 60.2       | 60.2        | 60.0        | 59.9        | 59.8        | 59.8        | 59.7        | 59.6        | 59.4        | 59.3        | 58.7        | 16.0                                  |
| 18.0                                  |             | 17.5 m/53.5 | 51.3       | 51.3        | 51.1        | 51.1        | 50.9        | 50.8        | 50.7        | 50.7        | 50.4        | 50.3        | 50.2        | 18.0                                  |
| 20.0                                  |             |             | 44.6       | 44.6        | 44.4        | 44.3        | 44.1        | 44.0        | 43.9        | 43.9        | 43.6        | 43.5        | 43.4        | 20.0                                  |
| 22.0                                  |             |             | 20.1m/44.3 | 39.3        | 39.1        | 39.0        | 38.7        | 38.7        | 38.6        | 38.5        | 38.3        | 38.2        | 38.0        | 22.0                                  |
| 24.0                                  |             |             |            | 22.7 m/37.6 | 34.8        | 34.7        | 34.5        | 34.4        | 34.3        | 34.2        | 34.0        | 33.8        | 33.7        | 24.0                                  |
| 26.0                                  |             |             |            |             | 25.4 m/32.3 | 31.3        | 30.9        | 30.8        | 30.7        | 30.7        | 30.4        | 30.3        | 30.1        | 26.0                                  |
| 28.0                                  |             |             |            |             |             | 28.3        | 28.0        | 27.9        | 27.8        | 27.7        | 27.4        | 27.3        | 27.1        | 28.0                                  |
| 30.0                                  |             |             |            |             |             |             | 25.5        | 25.4        | 25.2        | 25.2        | 24.9        | 24.8        | 24.6        | 30.0                                  |
| 32.0                                  |             |             |            |             |             |             | 30.7 m/24.8 | 23.4        | 23.1        | 23.0        | 22.7        | 22.6        | 22.4        | 32.0                                  |
| 34.0                                  |             |             |            |             |             |             |             | 33.3 m/22.1 | 21.2        | 21.1        | 20.8        | 20.7        | 20.5        | 34.0                                  |
| 36.0                                  |             |             |            |             |             |             |             |             | 35.9 m/19.7 | 19.5        | 19.2        | 19.1        | 18.9        | 36.0                                  |
| 38.0                                  |             |             |            |             |             |             |             |             |             | 18.0        | 17.7        | 17.6        | 17.4        | 38.0                                  |
| 40.0                                  |             |             |            |             |             |             |             |             |             | 38.6 m/17.6 | 16.4        | 16.3        | 16.1        | 40.0                                  |
| 42.0                                  |             |             |            |             |             |             |             |             |             |             | 41.2 m/15.7 | 15.2        | 14.9        | 42.0                                  |
| 44.0                                  |             |             |            |             |             |             |             |             |             |             |             | 43.9 m/14.2 | 13.9        | 44.0                                  |
| 46.0                                  |             |             |            |             |             |             |             |             |             |             |             |             | 13.0        | 46.0                                  |
| 48.0                                  |             |             |            |             |             |             |             |             |             |             |             |             | 46.5 m/12.8 | 48.0                                  |
| Reeves                                | 22          | 18          | 16         | 14          | 14          | 12          | 12          | 10          | 10          | 8           | 8           | 7           | 7           | Reeves                                |

| Boom Length (m)<br>Working radius (m) | 54.9        | 57.9        | 61.0        | 64.0        | 67.1        | 70.1       | 73.2        | 76.2        | 79.3        | 82.3        | 85.3        | 88.4        | 91.4        | Boom Length (m)<br>Working radius (m) |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------|
| 10.0                                  | 11.4 m/81.4 | 11.9 m/76.1 |             |             |             |            |             |             |             |             |             |             |             | 10.0                                  |
| 12.0                                  | 78.0        | 75.5        | 12.4 m/68.8 | 12.9 m/67.5 | 13.5 m/63.8 |            |             |             |             |             |             |             |             | 12.0                                  |
| 14.0                                  | 66.5        | 65.2        | 63.3        | 62.5        | 61.3        | 59.4       | 14.5 m/54.5 | 15.1 m/49.1 | 15.6 m/44.7 |             |             |             |             | 14.0                                  |
| 16.0                                  | 57.5        | 56.4        | 55.4        | 54.2        | 53.2        | 51.2       | 48.4        | 44.5        | 44.5        | 16.1 m/40.9 | 16.6 m/37.4 | 17.2 m/33.8 | 17.7 m/31.0 | 16.0                                  |
| 18.0                                  | 50.0        | 49.5        | 48.6        | 47.6        | 46.8        | 45.6       | 44.9        | 44.2        | 43.2        | 39.7        | 36.6        | 33.3        | 30.9        | 18.0                                  |
| 20.0                                  | 43.2        | 43.0        | 42.9        | 42.2        | 41.5        | 40.6       | 39.9        | 39.2        | 38.4        | 37.6        | 35.4        | 32.2        | 29.8        | 20.0                                  |
| 22.0                                  | 37.8        | 37.7        | 37.5        | 37.3        | 37.2        | 36.5       | 35.7        | 35.1        | 34.4        | 33.6        | 32.9        | 31.2        | 28.8        | 22.0                                  |
| 24.0                                  | 33.5        | 33.3        | 33.2        | 32.9        | 32.9        | 32.6       | 32.2        | 31.6        | 30.9        | 30.2        | 29.6        | 29.2        | 27.7        | 24.0                                  |
| 26.0                                  | 29.9        | 29.7        | 29.6        | 29.4        | 29.3        | 29.0       | 28.9        | 28.6        | 28.0        | 27.3        | 26.8        | 26.3        | 25.7        | 26.0                                  |
| 28.0                                  | 26.9        | 26.8        | 26.6        | 26.4        | 26.3        | 26.0       | 25.9        | 25.8        | 25.4        | 24.8        | 24.3        | 23.9        | 23.3        | 28.0                                  |
| 30.0                                  | 24.4        | 24.2        | 24.1        | 23.8        | 23.7        | 23.5       | 23.3        | 23.2        | 23.0        | 22.6        | 22.1        | 21.7        | 21.2        | 30.0                                  |
| 32.0                                  | 22.2        | 22.0        | 21.9        | 21.6        | 21.5        | 21.3       | 21.1        | 21.0        | 20.8        | 20.5        | 20.2        | 19.8        | 19.3        | 32.0                                  |
| 34.0                                  | 20.3        | 20.1        | 20.0        | 19.7        | 19.6        | 19.4       | 19.2        | 19.1        | 18.9        | 18.6        | 18.4        | 18.1        | 17.6        | 34.0                                  |
| 36.0                                  | 18.6        | 18.5        | 18.3        | 18.1        | 17.9        | 17.7       | 17.5        | 17.4        | 17.2        | 16.9        | 16.8        | 16.6        | 16.1        | 36.0                                  |
| 38.0                                  | 17.2        | 17.0        | 16.9        | 16.6        | 16.5        | 16.2       | 16.0        | 15.9        | 15.7        | 15.4        | 15.3        | 15.2        | 14.7        | 38.0                                  |
| 40.0                                  | 15.9        | 15.7        | 15.5        | 15.3        | 15.2        | 14.9       | 14.7        | 14.6        | 14.4        | 14.1        | 13.9        | 13.8        | 13.5        | 40.0                                  |
| 42.0                                  | 14.7        | 14.5        | 14.4        | 14.1        | 14.0        | 13.7       | 13.5        | 13.4        | 13.2        | 12.9        | 12.8        | 12.7        | 12.4        | 42.0                                  |
| 44.0                                  | 13.7        | 13.5        | 13.3        | 13.0        | 12.9        | 12.6       | 12.5        | 12.3        | 12.1        | 11.8        | 11.7        | 11.6        | 11.3        | 44.0                                  |
| 46.0                                  | 12.7        | 12.5        | 12.4        | 12.1        | 12.0        | 11.7       | 11.5        | 11.4        | 11.2        | 10.9        | 10.7        | 10.6        | 10.4        | 46.0                                  |
| 48.0                                  | 11.9        | 11.6        | 11.5        | 11.2        | 11.1        | 10.8       | 10.7        | 10.5        | 10.3        | 10.0        | 9.8         | 9.7         | 9.4         | 48.0                                  |
| 50.0                                  | 49.1 m/11.4 | 10.9        | 10.7        | 10.4        | 10.3        | 10.0       | 9.9         | 9.7         | 9.5         | 9.1         | 8.9         | 8.8         | 8.5         | 50.0                                  |
| 52.0                                  |             | 51.8 m/10.2 | 10.0        | 9.7         | 9.6         | 9.3        | 9.1         | 8.9         | 8.7         | 8.3         | 8.1         | 8.0         | 7.7         | 52.0                                  |
| 54.0                                  |             |             | 9.3         | 9.1         | 8.9         | 8.6        | 8.4         | 8.2         | 7.9         | 7.6         | 7.4         | 7.2         | 7.0         | 54.0                                  |
| 56.0                                  |             |             | 54.4 m/9.2  | 8.4         | 8.3         | 7.9        | 7.7         | 7.5         | 7.2         | 6.9         | 6.7         | 6.5         | 6.3         | 56.0                                  |
| 58.0                                  |             |             |             | 57.1 m/8.1  | 7.7         | 7.3        | 7.1         | 6.9         | 6.6         | 6.3         | 6.1         | 5.9         | 5.6         | 58.0                                  |
| 60.0                                  |             |             |             |             | 59.7 m/7.2  | 6.7        | 6.5         | 6.3         | 6.0         | 5.7         | 5.5         | 5.3         | 5.0         | 60.0                                  |
| 62.0                                  |             |             |             |             |             | 6.2        | 6.0         | 5.8         | 5.5         | 5.1         | 4.9         | 4.8         | 4.5         | 62.0                                  |
| 64.0                                  |             |             |             |             |             | 62.3 m/6.1 | 5.5         | 5.3         | 5.0         | 4.6         | 4.4         | 4.3         | 4.0         | 64.0                                  |
| 66.0                                  |             |             |             |             |             |            | 65.0 m/5.3  | 4.8         | 4.5         | 4.2         | 4.0         | 3.8         | 3.5         | 66.0                                  |
| 68.0                                  |             |             |             |             |             |            |             | 67.6 m/4.5  | 4.1         | 3.7         | 3.5         | 3.3         | 2.9         | 68.0                                  |
| 70.0                                  |             |             |             |             |             |            |             |             | 3.7         | 3.3         | 3.1         | 2.9         | 2.4         | 70.0                                  |
| 72.0                                  |             |             |             |             |             |            |             |             | 70.2 m/3.6  | 2.9         | 2.7         | 2.5         |             | 72.0                                  |
| 74.0                                  |             |             |             |             |             |            |             |             |             | 72.9 m/2.8  | 2.4         |             |             | 74.0                                  |
| Reeves                                | 7           | 6           | 6           | 5           | 5           | 5          | 5           | 4           | 4           | 4           | 3           | 3           | 3           | Reeves                                |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P12.



# Auxiliary Sheave Lifting Capacity for Crane Boom (With 70 t Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| Boom Length (m)<br>Working radius (m) | 15.2        | 18.3        | 21.3        | 24.4        | 27.4        | 30.5        | 33.5        | 36.6        | 39.6        | 42.7        | 45.7        | 48.8        | 51.8        | Boom Length (m)<br>Working radius (m) |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------|
| 5.0                                   | 5.4 m/27.0  | 5.8 m/27.0  |             |             |             |             |             |             |             |             |             |             |             | 5.0                                   |
| 6.0                                   | 27.0        | 27.0        | 6.3 m/27.0  | 6.9 m/27.0  |             |             |             |             |             |             |             |             |             | 6.0                                   |
| 7.0                                   | 27.0        | 27.0        | 27.0        | 27.0        | 7.4 m/27.0  | 7.9 m/27.0  |             |             |             |             |             |             |             | 7.0                                   |
| 8.0                                   | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 8.5 m/27.0  |             |             |             |             |             |             | 8.0                                   |
| 9.0                                   | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 9.5 m/27.0  |             |             |             |             | 9.0                                   |
| 10.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 10.6 m/27.0 | 11.1 m/27.0 | 11.6 m/27.0 | 10.0                                  |
| 12.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 12.0                                  |
| 14.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 14.0                                  |
| 16.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 16.0                                  |
| 18.0                                  | 16.5 m/27.0 | 19.2 m/27.0 | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 18.0                                  |
| 20.0                                  |             |             | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 20.0                                  |
| 22.0                                  |             |             | 21.8 m/27.0 | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 22.0                                  |
| 24.0                                  |             |             |             | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 24.0                                  |
| 26.0                                  |             |             |             | 24.4 m/27.0 | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 26.0                                  |
| 28.0                                  |             |             |             |             | 27.1 m/26.6 | 26.4        | 26.5        | 26.4        | 26.3        | 26.2        | 25.9        | 25.8        | 25.6        | 28.0                                  |
| 30.0                                  |             |             |             |             |             | 29.7 m/23.5 | 24.0        | 23.9        | 23.7        | 23.7        | 23.4        | 23.3        | 23.1        | 30.0                                  |
| 32.0                                  |             |             |             |             |             |             | 32.4 m/21.0 | 21.9        | 21.6        | 21.5        | 21.2        | 21.1        | 20.9        | 32.0                                  |
| 34.0                                  |             |             |             |             |             |             |             | 19.9        | 19.7        | 19.6        | 19.3        | 19.2        | 19.0        | 34.0                                  |
| 36.0                                  |             |             |             |             |             |             |             | 35.0 m/18.9 | 17.8        | 18.0        | 17.7        | 17.6        | 17.4        | 36.0                                  |
| 38.0                                  |             |             |             |             |             |             |             |             | 37.6 m/16.3 | 16.5        | 16.2        | 16.1        | 15.9        | 38.0                                  |
| 40.0                                  |             |             |             |             |             |             |             |             |             | 15.0        | 14.9        | 14.8        | 14.6        | 40.0                                  |
| 42.0                                  |             |             |             |             |             |             |             |             |             | 40.3 m/14.8 | 13.6        | 13.7        | 13.4        | 42.0                                  |
| 44.0                                  |             |             |             |             |             |             |             |             |             |             | 42.9 m/13.0 | 12.6        | 12.4        | 44.0                                  |
| 46.0                                  |             |             |             |             |             |             |             |             |             |             |             | 45.6 m/11.7 | 11.5        | 46.0                                  |
| 48.0                                  |             |             |             |             |             |             |             |             |             |             |             |             | 10.6        | 48.0                                  |
| 50.0                                  |             |             |             |             |             |             |             |             |             |             |             |             | 48.2 m/10.5 | 50.0                                  |
| Reeves                                | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | Reeves                                |

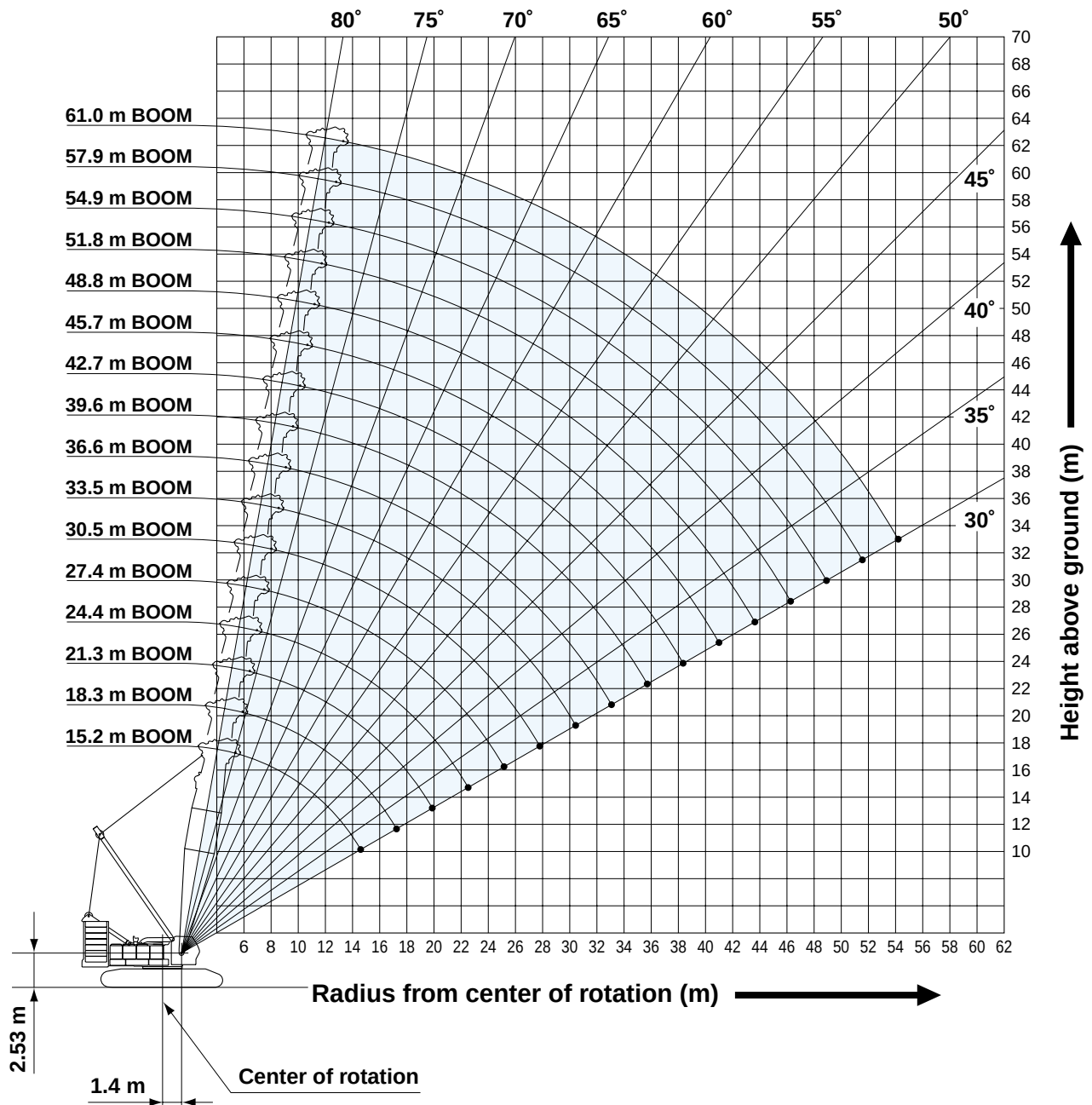
| Boom Length (m)<br>Working radius (m) | 54.9        | 57.9        | 61.0        | 64.0        | 67.1        | 70.1        | 73.2        | 76.2        | 79.3        | 82.3        | 85.3        | 88.4 | Boom Length (m)<br>Working radius (m) |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|---------------------------------------|
| 12.0                                  | 12.2 m/27.0 | 12.7 m/27.0 | 13.2 m/27.0 | 13.7 m/27.0 |             |             |             |             |             |             |             |      | 12.0                                  |
| 14.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 14.3 m/27.0 | 14.8 m/27.0 | 15.3 m/27.0 | 15.9 m/27.0 |             |             |             |      | 14.0                                  |
| 16.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 16.4 m/27.0 | 16.9 m/27.0 | 17.4 m/27.0 |      | 16.0                                  |
| 18.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0 | 18.0                                  |
| 20.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0 | 20.0                                  |
| 22.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0 | 22.0                                  |
| 24.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0 | 24.0                                  |
| 26.0                                  | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 27.0        | 26.5        | 25.8        | 25.3        | 24.8 | 26.0                                  |
| 28.0                                  | 25.4        | 25.3        | 25.1        | 24.9        | 24.8        | 24.5        | 24.4        | 24.3        | 23.9        | 23.3        | 22.8        | 22.4 | 28.0                                  |
| 30.0                                  | 22.9        | 22.7        | 22.6        | 22.3        | 22.2        | 22.0        | 21.8        | 21.7        | 21.5        | 21.1        | 20.6        | 20.2 | 30.0                                  |
| 32.0                                  | 20.7        | 20.5        | 20.4        | 20.1        | 20.0        | 19.8        | 19.6        | 19.5        | 19.3        | 19.0        | 18.7        | 18.3 | 32.0                                  |
| 34.0                                  | 18.8        | 18.6        | 18.5        | 18.2        | 18.1        | 17.9        | 17.7        | 17.6        | 17.4        | 17.1        | 16.9        | 16.6 | 34.0                                  |
| 36.0                                  | 17.1        | 17.0        | 16.8        | 16.6        | 16.4        | 16.2        | 16.0        | 15.9        | 15.7        | 15.4        | 15.3        | 15.1 | 36.0                                  |
| 38.0                                  | 15.7        | 15.5        | 15.4        | 15.1        | 15.0        | 14.7        | 14.5        | 14.4        | 14.2        | 13.9        | 13.8        | 13.7 | 38.0                                  |
| 40.0                                  | 14.4        | 14.2        | 14.0        | 13.8        | 13.7        | 13.4        | 13.2        | 13.1        | 12.9        | 12.6        | 12.4        | 12.3 | 40.0                                  |
| 42.0                                  | 13.2        | 13.0        | 12.9        | 12.6        | 12.5        | 12.2        | 12.0        | 11.9        | 11.7        | 11.4        | 11.3        | 11.2 | 42.0                                  |
| 44.0                                  | 12.2        | 12.0        | 11.8        | 11.5        | 11.4        | 11.1        | 11.0        | 10.8        | 10.6        | 10.3        | 10.2        | 10.1 | 44.0                                  |
| 46.0                                  | 11.2        | 11.0        | 10.9        | 10.6        | 10.5        | 10.2        | 10.0        | 9.9         | 9.7         | 9.4         | 9.2         | 9.1  | 46.0                                  |
| 48.0                                  | 10.4        | 10.1        | 10.0        | 9.7         | 9.6         | 9.3         | 9.2         | 9.0         | 8.8         | 8.5         | 8.3         | 8.2  | 48.0                                  |
| 50.0                                  | 9.6         | 9.4         | 9.2         | 8.9         | 8.8         | 8.5         | 8.4         | 8.2         | 8.0         | 7.6         | 7.4         | 7.3  | 50.0                                  |
| 52.0                                  | 50.8 m/9.3  | 8.7         | 8.5         | 8.2         | 8.1         | 7.8         | 7.6         | 7.4         | 7.2         | 6.8         | 6.6         | 6.5  | 52.0                                  |
| 54.0                                  |             | 53.5 m/8.2  | 7.8         | 7.6         | 7.4         | 7.1         | 6.9         | 6.7         | 6.4         | 6.1         | 5.9         | 5.7  | 54.0                                  |
| 56.0                                  |             |             | 7.1         | 6.9         | 6.8         | 6.4         | 6.2         | 6.0         | 5.7         | 5.4         | 5.2         | 5.0  | 56.0                                  |
| 58.0                                  |             |             | 56.1 m/7.1  | 6.2         | 6.2         | 5.8         | 5.6         | 5.4         | 5.1         | 4.8         | 4.6         | 4.4  | 58.0                                  |
| 60.0                                  |             |             |             | 58.8 m/5.9  | 5.6         | 5.2         | 5.0         | 4.8         | 4.5         | 4.2         | 4.0         | 3.8  | 60.0                                  |
| 62.0                                  |             |             |             |             | 61.4 m/5.2  | 4.7         | 4.5         | 4.3         | 4.0         | 3.6         | 3.4         | 3.3  | 62.0                                  |
| 64.0                                  |             |             |             |             |             | 4.2         | 4.0         | 3.8         | 3.5         | 3.1         | 2.9         | 2.8  | 64.0                                  |
| 66.0                                  |             |             |             |             |             |             | 3.5         | 3.3         | 3.0         | 2.7         | 2.5         |      | 66.0                                  |
| 68.0                                  |             |             |             |             |             |             | 66.7 m/3.3  | 2.8         | 2.6         |             |             |      | 68.0                                  |
| 70.0                                  |             |             |             |             |             |             |             | 69.3 m/2.5  |             |             |             |      | 70.0                                  |
| Reeves                                | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 2    | Reeves                                |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P12.

# Luffing Boom Working Ranges



## NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in   are determined by the strength of the boom or other structural component.
14. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
15. Luffing boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from luffing boom ratings shown.
16. Auxiliary sheave ratings for luffing boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for luffing boom shown.
17. Luffing boom lengths for auxiliary sheave mounting are 15.2 m to 61.0 m.



# Luffing Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| Boom length (m)<br>Working radius (m) | 15.2        | 18.3        | 21.3        | 24.4        | 27.4        | 30.5        | 33.5        | 36.6        | 39.6        | 42.7        | 45.7        | Boom length (m)<br>Working radius (m) |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------|
| 5.0                                   | 5.4 m/150.0 | 5.9 m/143.6 |             |             |             |             |             |             |             |             |             | 5.0                                   |
| 6.0                                   | 150.0       | 143.6       | 6.4 m/143.8 |             |             |             |             |             |             |             |             | 6.0                                   |
| 7.0                                   | 150.0       | 143.6       | 143.8       | 144.2       | 7.5 m/144.6 |             |             |             |             |             |             | 7.0                                   |
| 8.0                                   | 144.9       | 143.6       | 143.8       | 144.0       | 143.8       | 132.2       | 8.6 m/116.0 |             |             |             |             | 8.0                                   |
| 9.0                                   | 129.2       | 128.9       | 128.8       | 128.4       | 128.2       | 123.8       | 114.6       | 9.1 m/111.3 | 9.6 m/100.0 |             |             | 9.0                                   |
| 10.0                                  | 116.5       | 116.2       | 116.0       | 115.7       | 114.0       | 111.8       | 109.7       | 107.7       | 98.5        | 10.1 m/95.1 | 10.7 m/83.0 | 10.0                                  |
| 12.0                                  | 88.9        | 88.8        | 88.7        | 88.6        | 88.5        | 88.4        | 88.3        | 88.2        | 86.9        | 84.9        | 78.8        | 12.0                                  |
| 14.0                                  | 71.2        | 71.1        | 71.0        | 70.9        | 70.8        | 70.7        | 70.6        | 70.5        | 70.4        | 70.3        | 70.2        | 14.0                                  |
| 16.0                                  | 15.3 m/61.6 | 59.2        | 59.1        | 59.0        | 58.9        | 58.8        | 58.7        | 58.6        | 58.5        | 58.4        | 58.3        | 16.0                                  |
| 18.0                                  |             | 17.9 m/50.7 | 50.5        | 50.4        | 50.3        | 50.2        | 50.1        | 50.0        | 49.9        | 49.8        | 49.7        | 18.0                                  |
| 20.0                                  |             |             | 43.8        | 43.7        | 43.6        | 43.5        | 43.4        | 43.3        | 43.2        | 43.0        | 42.9        | 20.0                                  |
| 22.0                                  |             |             | 20.6 m/42.2 | 38.4        | 38.3        | 38.2        | 38.1        | 38.0        | 37.9        | 37.6        | 37.5        | 22.0                                  |
| 24.0                                  |             |             |             | 23.2 m/35.7 | 34.1        | 33.9        | 33.8        | 33.7        | 33.6        | 33.3        | 33.2        | 24.0                                  |
| 26.0                                  |             |             |             |             | 25.8 m/30.8 | 30.4        | 30.3        | 30.2        | 30.0        | 29.8        | 29.7        | 26.0                                  |
| 28.0                                  |             |             |             |             |             | 27.4        | 27.3        | 27.2        | 27.1        | 26.8        | 26.7        | 28.0                                  |
| 30.0                                  |             |             |             |             |             | 28.5 m/26.8 | 24.9        | 24.8        | 24.6        | 24.3        | 24.2        | 30.0                                  |
| 32.0                                  |             |             |             |             |             |             | 31.1 m/23.7 | 22.6        | 22.4        | 22.2        | 22.1        | 32.0                                  |
| 34.0                                  |             |             |             |             |             |             |             | 33.8 m/21.0 | 20.6        | 20.3        | 20.2        | 34.0                                  |
| 36.0                                  |             |             |             |             |             |             |             |             | 18.9        | 18.6        | 18.5        | 36.0                                  |
| 38.0                                  |             |             |             |             |             |             |             |             | 36.4 m/18.6 | 17.2        | 17.1        | 38.0                                  |
| 40.0                                  |             |             |             |             |             |             |             |             |             | 39.0 m/16.5 | 15.9        | 40.0                                  |
| 42.0                                  |             |             |             |             |             |             |             |             |             |             | 41.7 m/15.0 | 42.0                                  |
| 44.0                                  |             |             |             |             |             |             |             |             |             |             |             | 44.0                                  |
| 46.0                                  |             |             |             |             |             |             |             |             |             |             |             | 46.0                                  |
| Reeves                                | 12          | 12          | 12          | 12          | 12          | 10          | 10          | 10          | 8           | 8           | 7           | Reeves                                |

| Boom length (m)<br>Working radius (m) | 48.8        | 51.8        | 54.9        | 57.9        | 61.0        | Boom length (m)<br>Working radius (m) |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------|
| 10.0                                  | 11.2 m/81.0 | 11.7 m/77.9 |             |             |             | 10.0                                  |
| 12.0                                  | 77.3        | 76.1        | 12.3 m/73.2 | 12.8 m/69.2 | 13.3 m/65.2 | 12.0                                  |
| 14.0                                  | 68.7        | 64.9        | 63.8        | 63.0        | 62.0        | 14.0                                  |
| 16.0                                  | 58.2        | 58.0        | 56.8        | 54.8        | 54.0        | 16.0                                  |
| 18.0                                  | 49.6        | 49.5        | 49.3        | 48.9        | 47.9        | 18.0                                  |
| 20.0                                  | 42.8        | 42.7        | 42.5        | 42.4        | 42.2        | 20.0                                  |
| 22.0                                  | 37.4        | 37.3        | 37.1        | 37.0        | 36.9        | 22.0                                  |
| 24.0                                  | 33.1        | 33.0        | 32.8        | 32.7        | 32.5        | 24.0                                  |
| 26.0                                  | 29.6        | 29.5        | 29.2        | 29.1        | 29.0        | 26.0                                  |
| 28.0                                  | 26.6        | 26.5        | 26.3        | 26.2        | 26.0        | 28.0                                  |
| 30.0                                  | 24.1        | 24.0        | 23.7        | 23.6        | 23.4        | 30.0                                  |
| 32.0                                  | 21.9        | 21.8        | 21.5        | 21.4        | 21.3        | 32.0                                  |
| 34.0                                  | 20.0        | 19.9        | 19.6        | 19.5        | 19.4        | 34.0                                  |
| 36.0                                  | 18.4        | 18.3        | 18.0        | 17.9        | 17.7        | 36.0                                  |
| 38.0                                  | 16.9        | 16.8        | 16.5        | 16.4        | 16.2        | 38.0                                  |
| 40.0                                  | 15.6        | 15.5        | 15.2        | 15.1        | 14.9        | 40.0                                  |
| 42.0                                  | 14.5        | 14.3        | 14.1        | 14.0        | 13.7        | 42.0                                  |
| 44.0                                  | 13.5        | 13.3        | 13.0        | 12.9        | 12.7        | 44.0                                  |
| 46.0                                  | 44.3 m/13.3 | 12.4        | 12.1        | 12.0        | 11.7        | 46.0                                  |
| 48.0                                  |             | 47.0 m/11.9 | 11.2        | 11.1        | 10.9        | 48.0                                  |
| 50.0                                  |             |             | 49.6 m/10.6 | 10.4        | 10.1        | 50.0                                  |
| 52.0                                  |             |             |             | 9.7         | 9.4         | 52.0                                  |
| 54.0                                  |             |             |             | 52.2 m/9.6  | 8.7         | 54.0                                  |
| 56.0                                  |             |             |             |             | 54.9 m/8.4  | 56.0                                  |
| 58.0                                  |             |             |             |             |             | 58.0                                  |
| 60.0                                  |             |             |             |             |             | 60.0                                  |
| 62.0                                  |             |             |             |             |             | 62.0                                  |
| Reeves                                | 6           | 6           | 6           | 6           | 5           | Reeves                                |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P15.



## Auxiliary Sheave Lifting Capacity for Luffing Boom (With 70 t Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| Working radius (m) \ Boom length (m) | 15.2        | 18.3        | 21.3        | 24.4        | 27.4        | 30.5        | 33.5        | 36.6        | 39.6        | 42.7        | 45.7        | Working radius (m) \ Boom length (m) |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| 6.0                                  | 6.2 m/13.5  | 6.7 m/13.5  |             |             |             |             |             |             |             |             |             | 6.0                                  |
| 7.0                                  | 13.5        | 13.5        | 7.2 m/13.5  | 7.8 m/13.5  |             |             |             |             |             |             |             | 7.0                                  |
| 8.0                                  | 13.5        | 13.5        | 13.5        | 13.5        | 8.3 m/13.5  | 8.8 m/13.5  |             |             |             |             |             | 8.0                                  |
| 9.0                                  | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 9.4 m/13.5  | 9.9 m/13.5  |             |             |             | 9.0                                  |
| 10.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 10.4 m/13.5 | 10.9 m/13.5 | 11.5 m/13.5 | 10.0                                 |
| 12.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 12.0                                 |
| 14.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 14.0                                 |
| 16.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 16.0                                 |
| 18.0                                 | 16.6 m/13.5 | 19.2 m/13.5 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 18.0                                 |
| 20.0                                 |             |             | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 20.0                                 |
| 22.0                                 |             |             | 21.9 m/13.5 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 22.0                                 |
| 24.0                                 |             |             |             | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 24.0                                 |
| 26.0                                 |             |             |             | 24.5 m/13.5 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 26.0                                 |
| 28.0                                 |             |             |             |             | 27.1 m/13.5 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 28.0                                 |
| 30.0                                 |             |             |             |             |             | 29.8 m/13.5 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 30.0                                 |
| 32.0                                 |             |             |             |             |             |             | 32.4 m/13.5 | 13.5        | 13.5        | 13.5        | 13.5        | 32.0                                 |
| 34.0                                 |             |             |             |             |             |             |             | 13.5        | 13.5        | 13.5        | 13.5        | 34.0                                 |
| 36.0                                 |             |             |             |             |             |             |             | 35.1 m/13.5 | 13.5        | 13.5        | 13.5        | 36.0                                 |
| 38.0                                 |             |             |             |             |             |             |             |             | 37.7 m/13.5 | 13.5        | 13.5        | 38.0                                 |
| 40.0                                 |             |             |             |             |             |             |             |             |             | 13.5        | 13.5        | 40.0                                 |
| 42.0                                 |             |             |             |             |             |             |             |             |             | 40.3 m/13.5 | 13.5        | 42.0                                 |
| 44.0                                 |             |             |             |             |             |             |             |             |             |             | 43.0 m/12.9 | 44.0                                 |
| Reeves                               | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | Reeves                               |

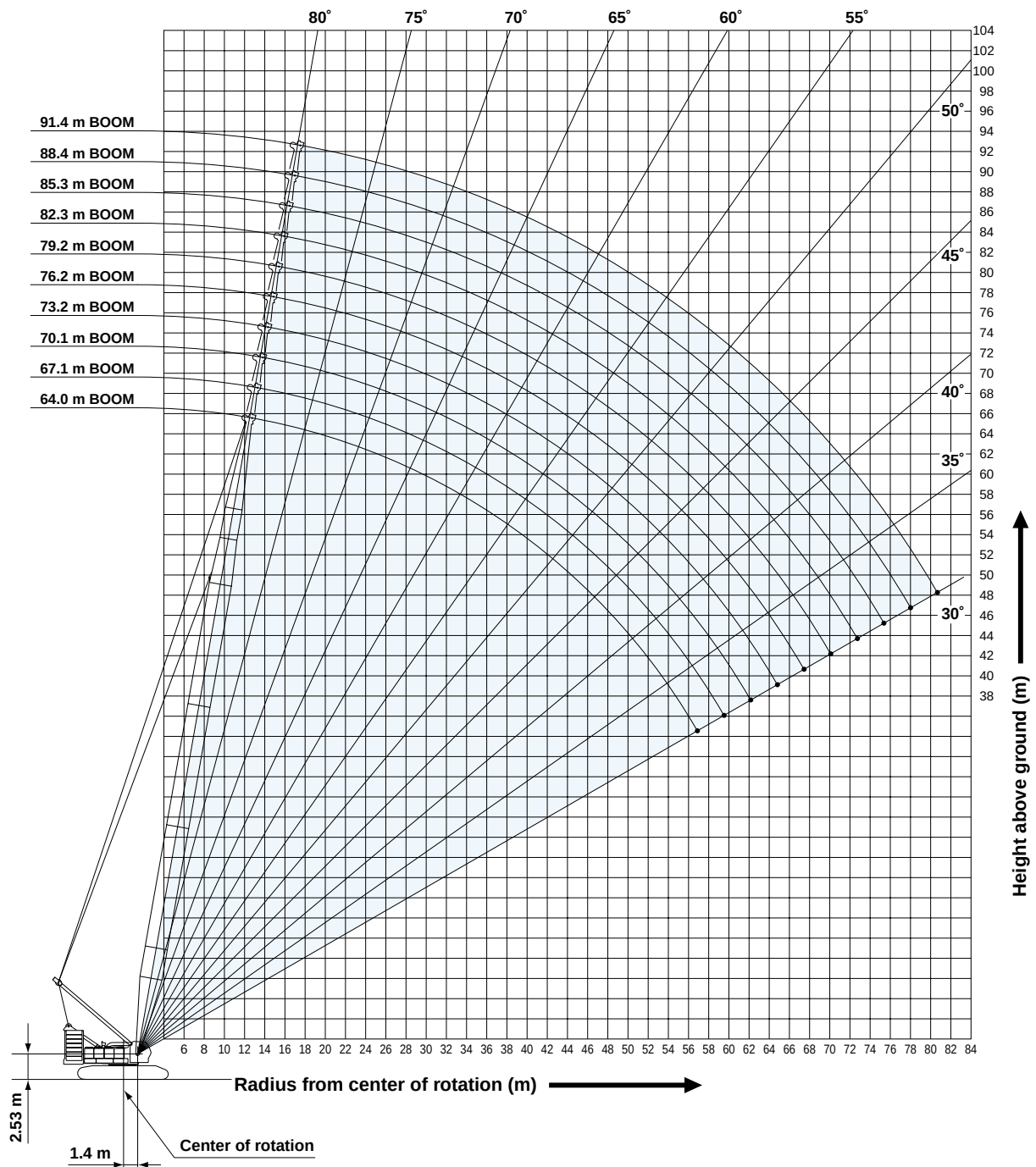
| Working radius (m) \ Boom length (m) | 48.8        | 51.8        | 54.9        | 57.9        | 61.0        | Working radius (m) \ Boom length (m) |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| 12.0                                 | 13.5        | 12.5 m/13.5 | 13.1 m/13.5 | 13.6 m/13.5 |             | 12.0                                 |
| 14.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 14.1 m/13.5 | 14.0                                 |
| 16.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 16.0                                 |
| 18.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 18.0                                 |
| 20.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 20.0                                 |
| 22.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 22.0                                 |
| 24.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 24.0                                 |
| 26.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 26.0                                 |
| 28.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 28.0                                 |
| 30.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 30.0                                 |
| 32.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 32.0                                 |
| 34.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 34.0                                 |
| 36.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 36.0                                 |
| 38.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 38.0                                 |
| 40.0                                 | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 40.0                                 |
| 42.0                                 | 13.3        | 13.1        | 12.9        | 12.8        | 12.5        | 42.0                                 |
| 44.0                                 | 12.3        | 12.1        | 11.8        | 11.7        | 11.5        | 44.0                                 |
| 46.0                                 | 45.6 m/11.5 | 11.2        | 10.9        | 10.8        | 10.5        | 46.0                                 |
| 48.0                                 |             | 10.3        | 10.0        | 9.9         | 9.7         | 48.0                                 |
| 50.0                                 |             | 48.3 m/10.2 | 9.1         | 9.2         | 8.9         | 50.0                                 |
| 52.0                                 |             |             | 50.9 m/8.7  | 8.5         | 8.2         | 52.0                                 |
| 54.0                                 |             |             |             | 53.5 m/8.0  | 7.5         | 54.0                                 |
| 56.0                                 |             |             |             |             | 6.8         | 56.0                                 |
| 58.0                                 |             |             |             |             | 56.2 m/6.7  | 58.0                                 |
| 60.0                                 |             |             |             |             |             | 60.0                                 |
| 62.0                                 |             |             |             |             |             | 62.0                                 |
| Reeves                               | 1           | 1           | 1           | 1           | 1           | Reeves                               |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P15.

## Long Boom Working Ranges



### NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in   are determined by the strength of the boom or other structural component.
14. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
15. Long boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from long boom ratings shown.
16. Auxiliary sheave ratings for long boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for long boom shown.
17. Long boom lengths for auxiliary sheave mounting are 64.0 m to 91.4 m.





## Long Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t,  
Carbody weight: 24.0 t

| Working radius (m) \ Boom length (m) | 64.0         | 67.1        | 70.1        | 73.2        | 76.2        | 79.2        | 82.3        | Working radius (m) \ Boom length (m) |
|--------------------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------------------|
| 12.0                                 | 12.8 m/47.1  | 13.3 m/46.1 | 13.8 m/45.0 |             |             |             |             | 12.0                                 |
| 14.0                                 | 45.0         | 44.9        | 44.8        | 14.3 m/44.2 | 14.9 m/41.1 | 15.4 m/36.2 | 15.9 m/32.3 | 14.0                                 |
| 16.0                                 | 42.0         | 41.9        | 41.8        | 41.7        | 39.6        | 35.5        | 32.2        | 16.0                                 |
| 18.0                                 | 39.4         | 39.3        | 39.2        | 39.1        | 37.2        | 33.2        | 30.1        | 18.0                                 |
| 20.0                                 | 37.2         | 37.1        | 37.0        | 36.9        | 35.1        | 31.3        | 28.3        | 20.0                                 |
| 22.0                                 | 35.2         | 35.1        | 35.0        | 34.9        | 33.3        | 29.6        | 26.7        | 22.0                                 |
| 24.0                                 | 33.4         | 33.3        | 33.2        | 33.1        | 31.7        | 28.0        | 25.2        | 24.0                                 |
| 26.0                                 | 31.5         | 31.3        | 31.2        | 30.9        | 30.2        | 26.7        | 24.0        | 26.0                                 |
| 28.0                                 | 28.5         | 28.3        | 28.1        | 27.9        | 27.8        | 25.5        | 22.8        | 28.0                                 |
| 30.0                                 | 25.9         | 25.7        | 25.6        | 25.4        | 25.3        | 24.4        | 21.8        | 30.0                                 |
| 32.0                                 | 23.7         | 23.5        | 23.4        | 23.1        | 23.0        | 22.9        | 20.9        | 32.0                                 |
| 34.0                                 | 21.8         | 21.6        | 21.5        | 21.2        | 21.1        | 21.0        | 20.1        | 34.0                                 |
| 36.0                                 | 20.1         | 19.9        | 19.8        | 19.5        | 19.4        | 19.3        | 19.2        | 36.0                                 |
| 38.0                                 | 18.7         | 18.4        | 18.3        | 18.1        | 18.0        | 17.9        | 17.8        | 38.0                                 |
| 40.0                                 | 17.3         | 17.1        | 17.0        | 16.7        | 16.6        | 16.5        | 16.4        | 40.0                                 |
| 42.0                                 | 16.2         | 15.9        | 15.8        | 15.5        | 15.4        | 15.3        | 15.2        | 42.0                                 |
| 44.0                                 | 15.1         | 14.8        | 14.7        | 14.5        | 14.4        | 14.3        | 14.2        | 44.0                                 |
| 46.0                                 | 14.1         | 13.9        | 13.7        | 13.5        | 13.4        | 13.3        | 13.2        | 46.0                                 |
| 48.0                                 | 13.3         | 13.0        | 12.9        | 12.6        | 12.5        | 12.4        | 12.3        | 48.0                                 |
| 50.0                                 | 12.5         | 12.2        | 12.1        | 11.8        | 11.7        | 11.6        | 11.5        | 50.0                                 |
| 52.0                                 | 11.7         | 11.5        | 11.3        | 11.1        | 11.0        | 10.9        | 10.8        | 52.0                                 |
| 54.0                                 | 11.1         | 10.8        | 10.7        | 10.4        | 10.3        | 10.2        | 10.1        | 54.0                                 |
| 56.0                                 | 10.4         | 10.2        | 10.0        | 9.8         | 9.7         | 9.6         | 9.5         | 56.0                                 |
| 58.0                                 | 56.9 m/ 10.2 | 9.6         | 9.5         | 9.2         | 9.1         | 9.0         | 8.9         | 58.0                                 |
| 60.0                                 |              | 59.6 m/ 9.2 | 8.9         | 8.7         | 8.6         | 8.5         | 8.4         | 60.0                                 |
| 62.0                                 |              |             | 8.5         | 8.2         | 8.1         | 8.0         | 7.9         | 62.0                                 |
| 64.0                                 |              |             | 62.2 m/ 8.4 | 7.7         | 7.6         | 7.5         | 7.4         | 64.0                                 |
| 66.0                                 |              |             |             | 64.9 m/ 7.6 | 7.2         | 7.1         | 7.0         | 66.0                                 |
| 68.0                                 |              |             |             |             | 67.5 m/ 6.9 | 6.8         | 6.7         | 68.0                                 |
| 70.0                                 |              |             |             |             |             | 6.4         | 6.3         | 70.0                                 |
| 72.0                                 |              |             |             |             |             | 70.2 m/ 6.3 | 6.0         | 72.0                                 |
| 74.0                                 |              |             |             |             |             |             | 72.8 m/ 5.9 | 74.0                                 |
| Reeves                               | 4            | 4           | 4           | 4           | 4           | 3           | 3           | Reeves                               |

| Working radius (m) \ Boom length (m) | 85.3        | 88.4        | 91.4        | Working radius (m) \ Boom length (m) |
|--------------------------------------|-------------|-------------|-------------|--------------------------------------|
| 16.0                                 | 16.5 m/27.0 | 17.0 m/24.9 | 17.5 m/21.3 | 16.0                                 |
| 18.0                                 | 27.0        | 24.0        | 20.9        | 18.0                                 |
| 20.0                                 | 25.3        | 22.4        | 19.5        | 20.0                                 |
| 22.0                                 | 23.9        | 21.1        | 18.3        | 22.0                                 |
| 24.0                                 | 22.6        | 19.9        | 17.3        | 24.0                                 |
| 26.0                                 | 21.4        | 18.9        | 16.3        | 26.0                                 |
| 28.0                                 | 20.4        | 18.0        | 15.5        | 28.0                                 |
| 30.0                                 | 19.5        | 17.1        | 14.8        | 30.0                                 |
| 32.0                                 | 18.6        | 16.4        | 14.1        | 32.0                                 |
| 34.0                                 | 17.9        | 15.7        | 13.6        | 34.0                                 |
| 36.0                                 | 17.2        | 15.1        | 13.0        | 36.0                                 |
| 38.0                                 | 16.6        | 14.6        | 12.6        | 38.0                                 |
| 40.0                                 | 16.1        | 14.1        | 12.1        | 40.0                                 |
| 42.0                                 | 15.1        | 13.6        | 11.7        | 42.0                                 |
| 44.0                                 | 14.1        | 13.2        | 11.4        | 44.0                                 |
| 46.0                                 | 13.1        | 12.8        | 11.0        | 46.0                                 |
| 48.0                                 | 12.2        | 12.3        | 10.7        | 48.0                                 |
| 50.0                                 | 11.4        | 11.3        | 10.5        | 50.0                                 |
| 52.0                                 | 10.7        | 10.6        | 10.2        | 52.0                                 |
| 54.0                                 | 10.0        | 9.9         | 9.8         | 54.0                                 |
| 56.0                                 | 9.4         | 9.3         | 9.2         | 56.0                                 |
| 58.0                                 | 8.8         | 8.7         | 8.6         | 58.0                                 |
| 60.0                                 | 8.3         | 8.2         | 8.1         | 60.0                                 |
| 62.0                                 | 7.8         | 7.7         | 7.6         | 62.0                                 |
| 64.0                                 | 7.3         | 7.2         | 7.1         | 64.0                                 |
| 66.0                                 | 6.9         | 6.8         | 6.7         | 66.0                                 |
| 68.0                                 | 6.6         | 6.5         | 6.4         | 68.0                                 |
| 70.0                                 | 6.2         | 6.1         | 5.9         | 70.0                                 |
| 72.0                                 | 5.9         | 5.8         | 5.7         | 72.0                                 |
| 74.0                                 | 5.6         | 5.5         | 5.4         | 74.0                                 |
| 76.0                                 | 75.4 m/5.4  | 5.3         | 5.1         | 76.0                                 |
| 78.0                                 |             | 4.9         | 4.8         | 78.0                                 |
| 80.0                                 |             |             | 4.5         | 80.0                                 |
| 82.0                                 |             |             | 80.7 m/4.4  | 82.0                                 |
| 84.0                                 |             |             |             | 84.0                                 |
| Reeves                               | 2           | 2           | 2           | Reeves                               |

Note:

Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P18.



# Auxiliary Sheave Lifting Capacity for Long Boom (With 35 t Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| Boom length (m)<br>Working radius (m) | 64.0        | 67.1       | 70.1        | 73.2        | 76.2        | 79.2        | 82.3        | 85.3        | 88.4        | 91.4        | Boom length (m)<br>Working radius (m) |
|---------------------------------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------|
| 12.0                                  | 13.5 m/13.5 |            |             |             |             |             |             |             |             |             | 12.0                                  |
| 14.0                                  | 13.5        | 13.5       | 14.5 m/13.5 | 15.0 m/13.5 | 15.6 m/13.5 |             |             |             |             |             | 14.0                                  |
| 16.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 16.1 m/13.5 | 16.6 m/13.5 | 17.2 m/13.5 | 17.7 m/13.5 |             | 16.0                                  |
| 18.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 18.2 m/13.5 | 18.0                                  |
| 20.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 20.0                                  |
| 22.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 22.0                                  |
| 24.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 24.0                                  |
| 26.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 26.0                                  |
| 28.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 28.0                                  |
| 30.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 30.0                                  |
| 32.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 12.8        | 32.0                                  |
| 34.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 12.3        | 34.0                                  |
| 36.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 11.7        | 36.0                                  |
| 38.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.3        | 11.3        | 38.0                                  |
| 40.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 12.8        | 10.8        | 40.0                                  |
| 42.0                                  | 13.5        | 13.5       | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 13.5        | 12.3        | 10.4        | 42.0                                  |
| 44.0                                  | 13.5        | 13.5       | 13.4        | 13.2        | 13.1        | 13.0        | 12.9        | 12.8        | 11.9        | 10.1        | 44.0                                  |
| 46.0                                  | 12.8        | 12.6       | 12.4        | 12.2        | 12.1        | 12.0        | 11.9        | 11.8        | 11.5        | 9.7         | 46.0                                  |
| 48.0                                  | 12.0        | 11.7       | 11.6        | 11.3        | 11.2        | 11.1        | 11.0        | 10.9        | 11.0        | 9.4         | 48.0                                  |
| 50.0                                  | 11.2        | 10.9       | 10.8        | 10.5        | 10.4        | 10.3        | 10.2        | 10.1        | 10.0        | 9.2         | 50.0                                  |
| 52.0                                  | 10.4        | 10.2       | 10.0        | 9.8         | 9.7         | 9.6         | 9.5         | 9.4         | 9.3         | 8.9         | 52.0                                  |
| 54.0                                  | 9.8         | 9.5        | 9.4         | 9.1         | 9.0         | 8.9         | 8.8         | 8.7         | 8.6         | 8.5         | 54.0                                  |
| 56.0                                  | 9.1         | 8.9        | 8.7         | 8.5         | 8.4         | 8.3         | 8.2         | 8.1         | 8.0         | 7.9         | 56.0                                  |
| 58.0                                  | 8.4         | 8.3        | 8.2         | 7.9         | 7.8         | 7.7         | 7.6         | 7.5         | 7.4         | 7.3         | 58.0                                  |
| 60.0                                  |             | 7.7        | 7.6         | 7.4         | 7.3         | 7.2         | 7.1         | 7.0         | 6.9         | 6.8         | 60.0                                  |
| 62.0                                  |             | 60.7 m/7.5 | 7.2         | 6.9         | 6.8         | 6.7         | 6.6         | 6.5         | 6.4         | 6.3         | 62.0                                  |
| 64.0                                  |             |            | 63.3 m/6.9  | 6.4         | 6.3         | 6.2         | 6.1         | 6.0         | 5.9         | 5.8         | 64.0                                  |
| 66.0                                  |             |            |             | 5.9         | 5.9         | 5.8         | 5.7         | 5.6         | 5.5         | 5.4         | 66.0                                  |
| 68.0                                  |             |            |             |             | 5.5         | 5.5         | 5.4         | 5.3         | 5.2         | 5.1         | 68.0                                  |
| 70.0                                  |             |            |             |             | 68.6 m/5.4  | 5.1         | 5.0         | 4.9         | 4.8         | 4.6         | 70.0                                  |
| 72.0                                  |             |            |             |             |             | 71.3 m/4.8  | 4.7         | 4.6         | 4.5         | 4.4         | 72.0                                  |
| 74.0                                  |             |            |             |             |             |             | 73.9 m/4.4  | 4.3         | 4.2         | 4.1         | 74.0                                  |
| 76.0                                  |             |            |             |             |             |             |             | 4.0         | 4.0         | 3.8         | 76.0                                  |
| 78.0                                  |             |            |             |             |             |             |             | 76.5 m/3.9  | 3.8         | 3.5         | 78.0                                  |
| 80.0                                  |             |            |             |             |             |             |             |             | 79.1 m/3.7  | 3.2         | 80.0                                  |
| 82.0                                  |             |            |             |             |             |             |             |             |             | 81.8 m/2.9  | 82.0                                  |
| Reeves                                | 1           | 1          | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | Reeves                                |

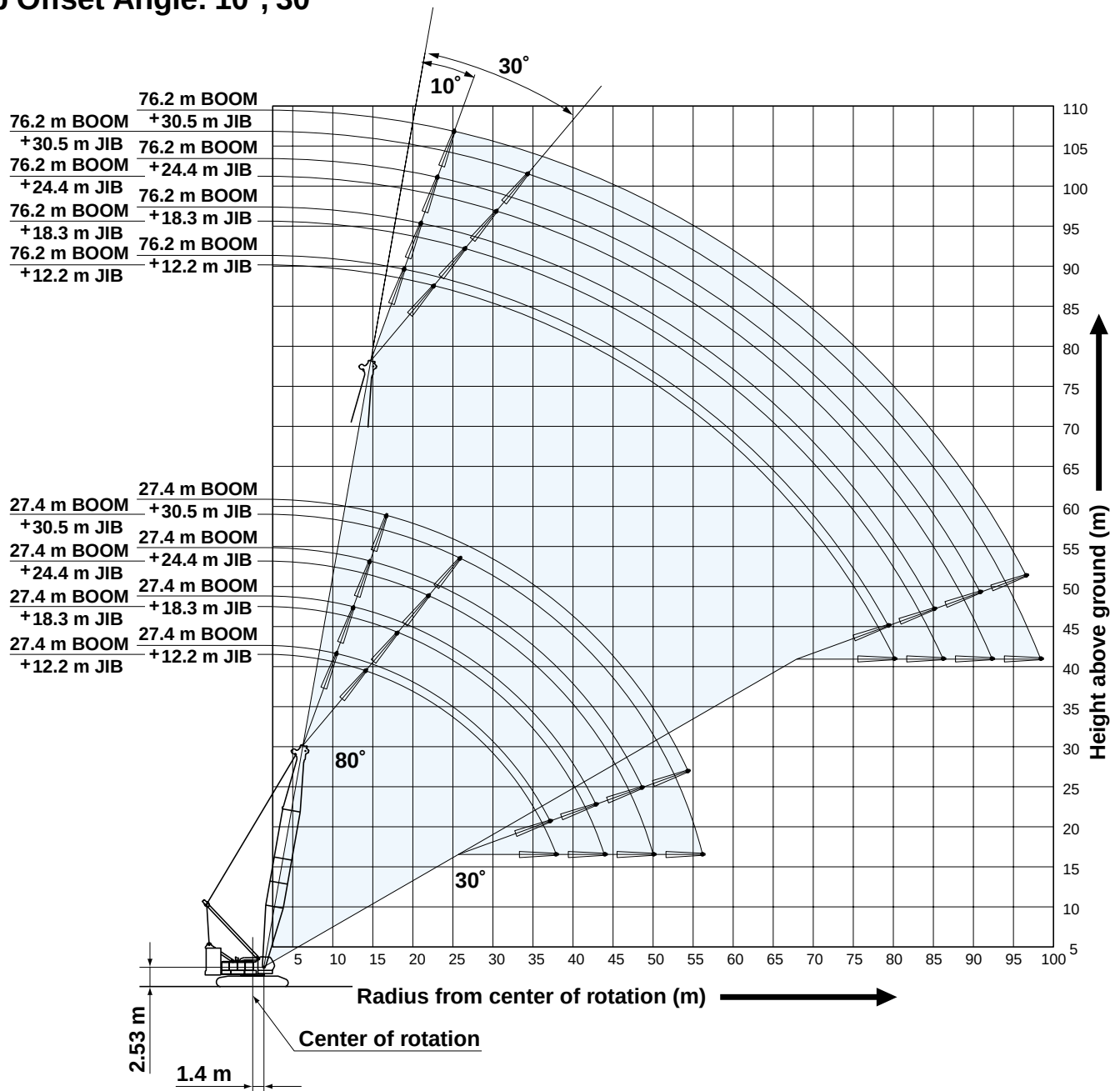
Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P18.

# Fixed Jib Working Ranges

Jib Offset Angle: 10°, 30°



## NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom/ jib inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in   are determined by the strength of the boom or other structural component.
14. When erecting or lowering the boom length of 76.2 m, the pillow plate for erection must be placed at the end of crawlers.
15. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
16. Fixed jib ratings: Deduct weight of jib hook block, slings, and all other load handling accessories from fixed jib ratings shown.
17. Crane boom lengths for fixed jib mounting are 27.4 m to 76.2 m.



# Fixed Jib Lifting Capacities (Without Main Hook)

Unit: metric ton

Jib Offset Angle: 10°

Counterweight: 90.0 t, Carbody weight: 24.0 t

| Boom length (m)    |      | 27.4        |             |             |            | 36.6        |             |             |            | 45.7        |             |             |            | 54.9        |             |             |            | Boom length (m) |
|--------------------|------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-----------------|
| Jib length (m)     |      | 12.2        | 18.3        | 24.4        | 30.5       | 12.2        | 18.3        | 24.4        | 30.5       | 12.2        | 18.3        | 24.4        | 30.5       | 12.2        | 18.3        | 24.4        | 30.5       | Jib length (m)  |
| Working radius (m) | 10.0 | 10.4 m/27.0 |             |             |            |             |             |             |            |             |             |             |            |             |             |             |            | 10.0            |
|                    | 12.0 | 25.5        | 12.5 m/21.2 |             |            | 26.6        |             |             |            | 13.6 m/26.5 |             |             |            |             |             |             |            | 12.0            |
|                    | 14.0 | 24.3        | 20.4        | 14.6 m/12.1 |            | 25.5        | 14.1 m/21.2 |             |            | 26.3        | 15.7 m/21.2 |             |            | 15.2 m/26.4 |             |             |            | 14.0            |
|                    | 16.0 | 23.0        | 19.3        | 11.8        | 16.7 m/6.8 | 24.5        | 20.3        | 16.2 m/12.1 |            | 25.4        | 21.0        | 17.8 m/12.1 |            | 26.2        | 17.3 m/21.1 |             |            | 16.0            |
|                    | 18.0 | 21.8        | 18.4        | 11.2        | 6.5        | 23.6        | 19.4        | 11.7        | 18.3 m/6.8 | 24.6        | 20.2        | 12.1        | 19.9 m/6.7 | 25.4        | 20.9        | 19.4 m/12.1 |            | 18.0            |
|                    | 20.0 | 20.7        | 17.5        | 10.7        | 6.2        | 22.7        | 18.6        | 11.2        | 6.5        | 23.8        | 19.5        | 11.6        | 6.7        | 24.7        | 20.2        | 12.0        | 21.5 m/6.8 | 20.0            |
|                    | 22.0 | 19.8        | 16.8        | 10.3        | 5.9        | 21.9        | 17.9        | 10.8        | 6.2        | 23.0        | 18.8        | 11.3        | 6.4        | 23.9        | 19.5        | 11.6        | 6.7        | 22.0            |
|                    | 24.0 | 18.9        | 16.1        | 9.9         | 5.6        | 21.2        | 17.2        | 10.4        | 5.9        | 22.2        | 18.1        | 10.9        | 6.2        | 23.2        | 18.9        | 11.3        | 6.4        | 24.0            |
|                    | 26.0 | 18.1        | 15.4        | 9.4         | 5.3        | 20.5        | 16.6        | 10.1        | 5.7        | 21.5        | 17.5        | 10.5        | 5.9        | 22.5        | 18.3        | 10.9        | 6.2        | 26.0            |
|                    | 28.0 | 17.3        | 14.3        | 9.1         | 5.1        | 19.8        | 16.1        | 9.7         | 5.4        | 20.7        | 17.0        | 10.2        | 5.7        | 21.9        | 17.8        | 10.6        | 6.0        | 28.0            |
|                    | 30.0 | 16.7        | 13.4        | 8.7         | 4.9        | 19.1        | 15.5        | 9.4         | 5.2        | 20.0        | 16.5        | 9.9         | 5.5        | 21.3        | 17.3        | 10.3        | 5.8        | 30.0            |
|                    | 34.0 | 15.5        | 11.9        | 8.1         | 4.5        | 17.8        | 13.8        | 8.7         | 4.8        | 18.6        | 15.6        | 9.3         | 5.1        | 20.1        | 16.4        | 9.8         | 5.4        | 34.0            |
|                    | 38.0 | 37.1 m/14.5 | 10.7        | 7.6         | 4.2        | 16.4        | 12.4        | 8.2         | 4.5        | 17.1        | 14.0        | 8.8         | 4.8        | 17.4        | 15.6        | 9.2         | 5.1        | 38.0            |
|                    | 42.0 |             | 9.8         | 7.1         | 3.9        | 15.3        | 11.3        | 7.7         | 4.2        | 15.5        | 12.8        | 8.3         | 4.5        | 14.9        | 14.2        | 8.8         | 4.8        | 42.0            |
|                    | 46.0 |             | 42.9 m/9.7  | 6.8         | 3.7        | 45.1 m/14.4 | 10.5        | 7.3         | 4.0        | 13.6        | 11.8        | 7.9         | 4.2        | 12.8        | 13.1        | 8.3         | 4.5        | 46.0            |
|                    | 50.0 |             |             | 48.6 m/6.6  | 3.5        |             | 9.8         | 7.0         | 3.8        | 11.9        | 11.0        | 7.5         | 4.0        | 11.1        | 11.6        | 8.0         | 4.3        | 50.0            |
|                    | 54.0 |             |             |             | 3.2        |             | 50.8 m/9.6  | 6.7         | 3.6        | 53.0 m/10.9 | 10.3        | 7.2         | 3.8        | 9.7         | 10.1        | 7.6         | 4.1        | 54.0            |
|                    | 58.0 |             |             |             | 54.3 m/3.1 |             |             | 56.5 m/6.5  | 3.4        |             | 9.7         | 6.9         | 3.7        | 8.5         | 8.9         | 7.3         | 3.9        | 58.0            |
|                    | 62.0 |             |             |             |            |             |             |             | 3.2        |             | 58.7 m/9.6  | 6.7         | 3.5        | 60.9 m/7.8  | 7.8         | 7.1         | 3.7        | 62.0            |
|                    | 66.0 |             |             |             |            |             |             |             | 62.3 m/3.1 |             |             | 64.4 m/6.5  | 3.4        |             | 6.9         | 6.8         | 3.6        | 66.0            |
|                    | 70.0 |             |             |             |            |             |             |             |            |             |             |             | 3.1        |             | 66.6 m/6.8  | 6.5         | 3.5        | 70.0            |
|                    | 74.0 |             |             |             |            |             |             |             |            |             |             |             |            | 70.2 m/3.1  |             | 72.4 m/6.1  | 3.4        | 74.0            |
|                    | 78.0 |             |             |             |            |             |             |             |            |             |             |             |            |             |             |             | 3.2        | 78.0            |
|                    | 82.0 |             |             |             |            |             |             |             |            |             |             |             |            |             |             |             | 78.1 m/3.2 | 82.0            |
| Reeves             |      | 2           | 2           | 1           | 1          | 2           | 2           | 1           | 1          | 2           | 2           | 1           | 1          | 2           | 2           | 1           | 1          | Reeves          |

| Boom length (m)    |      | 64.0        |             |             |            | 73.2        |             |             |            | 76.2        |             |             |            | Boom length (m) |
|--------------------|------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-----------------|
| Jib length (m)     |      | 12.2        | 18.3        | 24.4        | 30.5       | 12.2        | 18.3        | 24.4        | 30.5       | 12.2        | 18.3        | 24.4        | 30.5       | Jib length (m)  |
| Working radius (m) | 16.0 | 16.8 m/26.5 |             |             |            |             |             |             |            |             |             |             |            | 16.0            |
|                    | 18.0 | 26.0        | 18.9 m/21.1 |             |            | 18.4 m/26.4 |             |             |            | 18.9 m/26.4 |             |             |            | 18.0            |
|                    | 20.0 | 25.3        | 20.7        | 21.0 m/12.1 |            | 25.9        | 20.5 m/21.1 |             |            | 26.1        | 21.0 m/21.1 |             |            | 20.0            |
|                    | 22.0 | 24.7        | 20.1        | 11.9        | 23.0 m/6.7 | 25.3        | 20.6        | 22.5 m/12.1 |            | 25.5        | 20.8        | 23.1 m/12.0 |            | 22.0            |
|                    | 24.0 | 24.1        | 19.5        | 11.6        | 6.6        | 24.7        | 20.0        | 11.8        | 24.6 m/6.7 | 24.9        | 20.2        | 11.9        | 25.2 m/6.7 | 24.0            |
|                    | 26.0 | 23.5        | 19.0        | 11.3        | 6.4        | 24.2        | 19.5        | 11.5        | 6.5        | 24.4        | 19.7        | 11.6        | 6.6        | 26.0            |
|                    | 28.0 | 23.0        | 18.4        | 11.0        | 6.2        | 23.7        | 19.0        | 11.2        | 6.3        | 23.9        | 19.2        | 11.3        | 6.4        | 28.0            |
|                    | 30.0 | 22.4        | 18.0        | 10.7        | 6.0        | 22.6        | 18.5        | 11.0        | 6.2        | 21.7        | 18.7        | 11.1        | 6.2        | 30.0            |
|                    | 34.0 | 19.8        | 17.1        | 10.2        | 5.6        | 18.9        | 17.7        | 10.5        | 5.8        | 18.3        | 17.9        | 10.6        | 5.9        | 34.0            |
|                    | 38.0 | 16.6        | 16.3        | 9.7         | 5.3        | 15.8        | 16.3        | 10.0        | 5.5        | 15.5        | 15.9        | 10.1        | 5.6        | 38.0            |
|                    | 42.0 | 14.1        | 14.5        | 9.2         | 5.0        | 13.3        | 13.8        | 9.6         | 5.2        | 13.0        | 13.5        | 9.7         | 5.3        | 42.0            |
|                    | 46.0 | 12.0        | 12.5        | 8.8         | 4.7        | 11.2        | 11.7        | 9.2         | 4.9        | 10.9        | 11.4        | 9.3         | 5.0        | 46.0            |
|                    | 50.0 | 10.3        | 10.7        | 8.4         | 4.5        | 9.5         | 10.0        | 8.8         | 4.7        | 9.2         | 9.7         | 8.9         | 4.8        | 50.0            |
|                    | 54.0 | 8.9         | 9.3         | 8.0         | 4.3        | 8.1         | 8.5         | 8.4         | 4.5        | 7.8         | 8.2         | 8.5         | 4.5        | 54.0            |
|                    | 58.0 | 7.7         | 8.1         | 7.7         | 4.1        | 6.9         | 7.3         | 7.8         | 4.3        | 6.5         | 7.0         | 7.6         | 4.4        | 58.0            |
|                    | 62.0 | 6.6         | 7.0         | 7.5         | 3.9        | 5.8         | 6.2         | 6.8         | 4.1        | 5.5         | 5.9         | 6.5         | 4.2        | 62.0            |
|                    | 66.0 | 5.7         | 6.1         | 6.6         | 3.8        | 4.9         | 5.3         | 5.8         | 4.0        | 4.6         | 5.0         | 5.5         | 4.0        | 66.0            |
|                    | 70.0 | 68.8 m/5.1  | 5.3         | 5.7         | 3.6        | 4.1         | 4.5         | 5.0         | 3.8        | 3.7         | 4.1         | 4.7         | 3.9        | 70.0            |
|                    | 74.0 |             | 4.6         | 5.0         | 3.5        | 3.4         | 3.7         | 4.3         | 3.7        | 3.0         | 3.4         | 4.0         | 3.7        | 74.0            |
|                    | 78.0 |             | 74.6 m/4.5  | 4.3         | 3.4        | 76.7 m/2.9  | 3.1         | 3.6         | 3.6        | 2.4         | 2.8         | 3.3         | 3.5        | 78.0            |
|                    | 82.0 |             |             | 80.3 m/4.0  | 3.4        |             | 2.5         | 3.0         | 3.3        | 79.4 m/2.2  | 2.2         | 2.7         | 3.0        | 82.0            |
|                    | 86.0 |             |             |             | 3.2        |             | 82.5 m/2.5  | 2.5         | 2.7        |             | 85.1 m/1.8  | 2.2         | 2.5        | 86.0            |
|                    | 90.0 |             |             |             |            |             |             | 88.2 m/2.2  | 2.1        |             |             | 1.7         | 2.0        | 90.0            |
|                    | 94.0 |             |             |             |            |             |             |             | 93.9 m/1.8 |             |             | 90.8 m/1.5  | 1.6        | 94.0            |
|                    | 98.0 |             |             |             |            |             |             |             |            |             |             |             | 96.6 m/1.3 | 98.0            |
| Reeves             |      | 2           | 2           | 1           | 1          | 2           | 2           | 1           | 1          | 2           | 2           | 1           | 1          | Reeves          |

Note: Ratings according to EN13000.  
Ratings shown in   are determined by the strength of the boom or other structural components.  
Refer to notes P21.

Unit: metric ton

**Jib Offset Angle: 30°****Counterweight: 90.0 t, Carbody weight: 24.0 t**

| Boom length (m)    |      | 27.4        |            |            |            | 36.6        |             |            |            | 45.7        |             |            |            | 54.9        |             |            |            | Boom length (m) |
|--------------------|------|-------------|------------|------------|------------|-------------|-------------|------------|------------|-------------|-------------|------------|------------|-------------|-------------|------------|------------|-----------------|
| Jib length (m)     |      | 12.2        | 18.3       | 24.4       | 30.5       | 12.2        | 18.3        | 24.4       | 30.5       | 12.2        | 18.3        | 24.4       | 30.5       | 12.2        | 18.3        | 24.4       | 30.5       | Jib length (m)  |
| Working radius (m) | 14.0 | 14.1 m/19.3 |            |            |            | 15.7 m/19.3 |             |            |            |             |             |            |            |             |             |            |            | 14.0            |
|                    | 16.0 | 18.7        |            |            |            | 19.2        |             |            |            | 17.3 m/19.2 |             |            |            |             |             |            |            | 16.0            |
|                    | 18.0 | 17.9        | 13.5       |            |            | 18.7        | 19.6 m/13.5 |            |            | 19.1        |             |            |            | 18.9 m/19.2 |             |            |            | 18.0            |
|                    | 20.0 | 16.8        | 13.5       | 21.9 m/8.2 |            | 18.1        | 13.5        |            |            | 18.7        | 21.2 m/13.5 |            |            | 19.0        |             |            |            | 20.0            |
|                    | 22.0 | 15.9        | 13.1       | 8.2        |            | 17.2        | 13.5        | 23.5 m/8.1 |            | 18.2        | 13.5        |            |            | 18.6        | 22.8 m/13.5 |            |            | 22.0            |
|                    | 24.0 | 15.2        | 12.6       | 7.9        | 25.9 m/4.4 | 16.4        | 13.1        | 8.1        |            | 17.4        | 13.4        | 25.1 m/8.1 |            | 18.2        | 13.5        |            |            | 24.0            |
|                    | 26.0 | 14.5        | 12.0       | 7.6        | 4.4        | 15.7        | 12.8        | 7.9        | 27.5 m/4.3 | 16.7        | 13.2        | 8.0        |            | 17.6        | 13.4        | 26.7 m/8.1 |            | 26.0            |
|                    | 28.0 | 13.9        | 11.4       | 7.4        | 4.2        | 15.1        | 12.3        | 7.6        | 4.3        | 16.1        | 12.9        | 7.8        | 29.0 m/4.4 | 17.0        | 13.2        | 8.0        |            | 28.0            |
|                    | 30.0 | 13.4        | 10.9       | 7.2        | 4.1        | 14.6        | 11.8        | 7.4        | 4.2        | 15.6        | 12.5        | 7.6        | 4.3        | 16.4        | 12.9        | 7.8        | 30.6 m/4.3 | 30.0            |
|                    | 34.0 | 12.7        | 10.0       | 6.8        | 3.8        | 13.7        | 10.9        | 7.1        | 4.0        | 14.6        | 11.6        | 7.3        | 4.1        | 15.5        | 12.2        | 7.5        | 4.2        | 34.0            |
|                    | 38.0 | 37.9 m/12.4 | 9.4        | 6.5        | 3.7        | 13.0        | 10.2        | 6.8        | 3.8        | 13.9        | 10.9        | 7.0        | 3.9        | 14.7        | 11.5        | 7.2        | 4.0        | 38.0            |
|                    | 42.0 |             | 9.0        | 6.2        | 3.5        | 12.6        | 9.6         | 6.5        | 3.6        | 13.3        | 10.3        | 6.7        | 3.7        | 14.0        | 10.9        | 6.9        | 3.8        | 42.0            |
|                    | 46.0 |             | 44.0 m/8.9 | 6.1        | 3.3        | 45.8 m/12.4 | 9.2         | 6.3        | 3.5        | 12.8        | 9.8         | 6.5        | 3.6        | 13.2        | 10.4        | 6.7        | 3.7        | 46.0            |
|                    | 50.0 |             |            | 6.1        | 3.3        |             | 8.9         | 6.1        | 3.4        | 12.1        | 9.4         | 6.3        | 3.5        | 11.4        | 9.9         | 6.5        | 3.6        | 50.0            |
|                    | 54.0 |             |            | 50.1 m/6.1 | 3.0        |             | 51.9 m/8.9  | 6.1        | 3.3        | 53.7 m/10.7 | 9.1         | 6.2        | 3.4        | 9.9         | 9.5         | 6.4        | 3.5        | 54.0            |
|                    | 58.0 |             |            |            | 56.2 m/2.8 |             |             | 6.1        | 3.1        |             | 8.9         | 6.1        | 3.3        | 8.6         | 9.2         | 6.2        | 3.4        | 58.0            |
|                    | 62.0 |             |            |            |            |             |             |            | 2.9        |             | 59.8 m/8.9  | 6.1        | 3.3        | 61.6 m/7.6  | 8.2         | 6.1        | 3.3        | 62.0            |
|                    | 66.0 |             |            |            |            |             |             | 64.1 m/2.8 |            |             |             | 65.9 m/6.1 | 3.1        |             | 7.2         | 6.0        | 3.2        | 66.0            |
|                    | 70.0 |             |            |            |            |             |             |            |            |             |             |            | 2.9        |             | 67.7 m/6.8  | 6.0        | 3.2        | 70.0            |
|                    | 74.0 |             |            |            |            |             |             |            |            |             |             |            | 72.0 m/2.8 |             |             | 73.8 m/6.0 | 3.1        | 74.0            |
|                    | 78.0 |             |            |            |            |             |             |            |            |             |             |            |            |             |             |            | 2.9        | 78.0            |
|                    | 82.0 |             |            |            |            |             |             |            |            |             |             |            |            |             |             |            | 79.9 m/2.8 | 82.0            |
| Reeves             |      | 2           | 1          | 1          | 1          | 2           | 1           | 1          | 1          | 2           | 1           | 1          | 1          | 2           | 1           | 1          | 1          | Reeves          |

| Boom length (m)    |       | 64.0        |             |            |            | 73.2       |            |            |            | 76.2        |             |            |            | Boom length (m) |
|--------------------|-------|-------------|-------------|------------|------------|------------|------------|------------|------------|-------------|-------------|------------|------------|-----------------|
| Jib length (m)     |       | 12.2        | 18.3        | 24.4       | 30.5       | 12.2       | 18.3       | 24.4       | 30.5       | 12.2        | 18.3        | 24.4       | 30.5       | Jib length (m)  |
| Working radius (m) | 20.0  | 20.5 m/19.2 |             |            |            |            |            |            |            |             |             |            |            | 20.0            |
|                    | 22.0  | 18.9        |             |            |            | 19.1       |            |            |            | 22.6 m/19.1 |             |            |            | 22.0            |
|                    | 24.0  | 18.6        | 24.4 m/13.5 |            |            | 18.8       |            |            |            | 18.9        |             |            |            | 24.0            |
|                    | 26.0  | 18.3        | 13.5        |            |            | 18.6       | 13.5       |            |            | 18.7        | 26.5 m/13.5 |            |            | 26.0            |
|                    | 28.0  | 17.7        | 13.4        | 28.3 m/8.1 |            | 18.3       | 13.5       | 29.9 m/8.1 |            | 18.4        | 13.5        |            |            | 28.0            |
|                    | 30.0  | 17.2        | 13.2        | 7.9        | 32.2 m/4.3 | 17.8       | 13.4       | 8.0        | 33.8 m/4.3 | 18.0        | 13.4        | 30.4 m/8.0 |            | 30.0            |
|                    | 34.0  | 16.2        | 12.8        | 7.6        | 4.2        | 16.8       | 13.0       | 7.8        | 4.3        | 17.0        | 13.1        | 7.8        | 34.3 m/4.3 | 34.0            |
|                    | 38.0  | 15.4        | 12.0        | 7.4        | 4.1        | 16.0       | 12.5       | 7.5        | 4.1        | 16.2        | 12.7        | 7.5        | 4.2        | 38.0            |
|                    | 42.0  | 14.6        | 11.4        | 7.1        | 3.9        | 13.9       | 11.9       | 7.3        | 4.0        | 13.6        | 12.0        | 7.3        | 4.0        | 42.0            |
|                    | 46.0  | 12.4        | 10.9        | 6.9        | 3.8        | 11.7       | 11.3       | 7.1        | 3.8        | 11.5        | 11.5        | 7.1        | 3.9        | 46.0            |
|                    | 50.0  | 10.7        | 10.4        | 6.7        | 3.7        | 10.0       | 10.9       | 6.9        | 3.7        | 9.7         | 10.6        | 6.9        | 3.8        | 50.0            |
|                    | 54.0  | 9.2         | 10.0        | 6.5        | 3.6        | 8.5        | 9.3        | 6.7        | 3.6        | 8.2         | 9.1         | 6.7        | 3.7        | 54.0            |
|                    | 58.0  | 7.9         | 8.7         | 6.4        | 3.4        | 7.2        | 8.0        | 6.5        | 3.5        | 6.9         | 7.7         | 6.6        | 3.5        | 58.0            |
|                    | 62.0  | 6.8         | 7.5         | 6.3        | 3.4        | 6.1        | 6.9        | 6.4        | 3.4        | 5.8         | 6.6         | 6.4        | 3.5        | 62.0            |
|                    | 66.0  | 5.8         | 6.5         | 6.1        | 3.3        | 5.1        | 5.8        | 6.3        | 3.4        | 4.8         | 5.6         | 6.1        | 3.4        | 66.0            |
|                    | 70.0  | 69.6 m/5.1  | 5.6         | 6.1        | 3.3        | 4.2        | 5.0        | 5.5        | 3.3        | 3.9         | 4.7         | 5.2        | 3.3        | 70.0            |
|                    | 74.0  |             | 4.8         | 5.3        | 3.2        | 3.4        | 4.2        | 4.7        | 3.3        | 3.2         | 3.9         | 4.4        | 3.3        | 74.0            |
|                    | 78.0  |             | 75.7 m/4.5  | 4.6        | 3.2        | 77.5 m/2.9 | 3.4        | 3.9        | 3.2        | 2.5         | 3.2         | 3.7        | 3.2        | 78.0            |
|                    | 82.0  |             |             | 81.8 m/3.9 | 3.0        |            | 2.8        | 3.3        | 3.2        | 80.1 m/2.2  | 2.5         | 3.0        | 3.2        | 82.0            |
|                    | 86.0  |             |             |            | 2.9        |            | 83.6 m/2.5 | 2.7        | 2.9        |             | 1.9         | 2.4        | 2.8        | 86.0            |
|                    | 90.0  |             |             |            | 87.8 m/2.8 |            |            | 89.7 m/2.1 | 2.5        |             | 86.2 m/1.9  | 1.8        | 2.3        | 90.0            |
|                    | 94.0  |             |             |            |            |            |            |            | 2.0        |             |             | 92.3 m/1.5 | 1.8        | 94.0            |
|                    | 98.0  |             |             |            |            |            |            | 95.8 m/1.7 |            |             |             |            | 1.4        | 98.0            |
|                    | 100.0 |             |             |            |            |            |            |            |            |             |             |            | 98.4 m/1.3 | 100.0           |
| Reeves             |       | 2           | 1           | 1          | 1          | 2          | 1          | 1          | 1          | 2           | 1           | 1          | 1          | Reeves          |

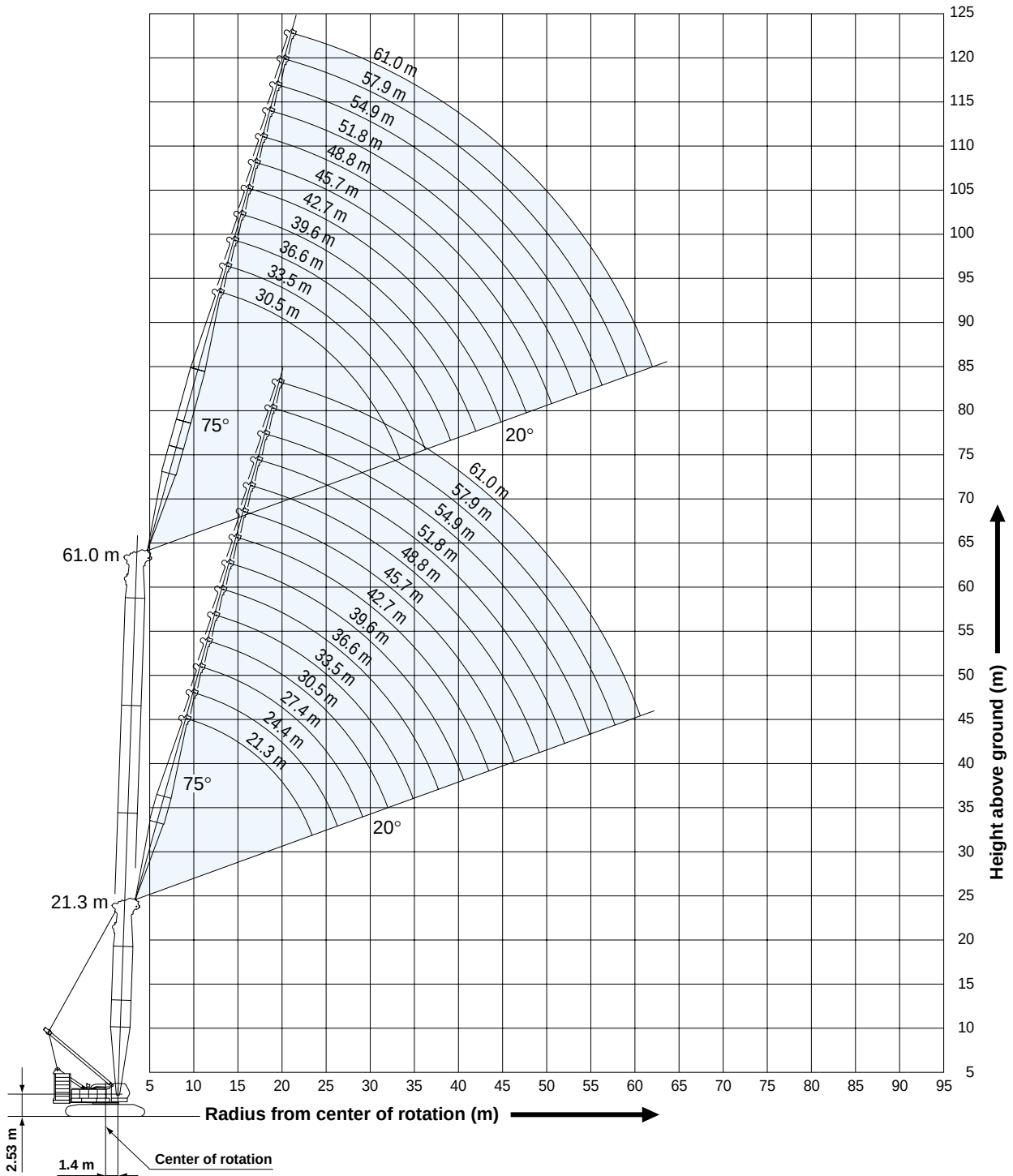
Note: Ratings according to EN13000.  
Ratings shown in   are determined by the strength of the boom or other structural components.  
Refer to notes P21.





# Luffing Jib Working Ranges

Boom Angle: 88°



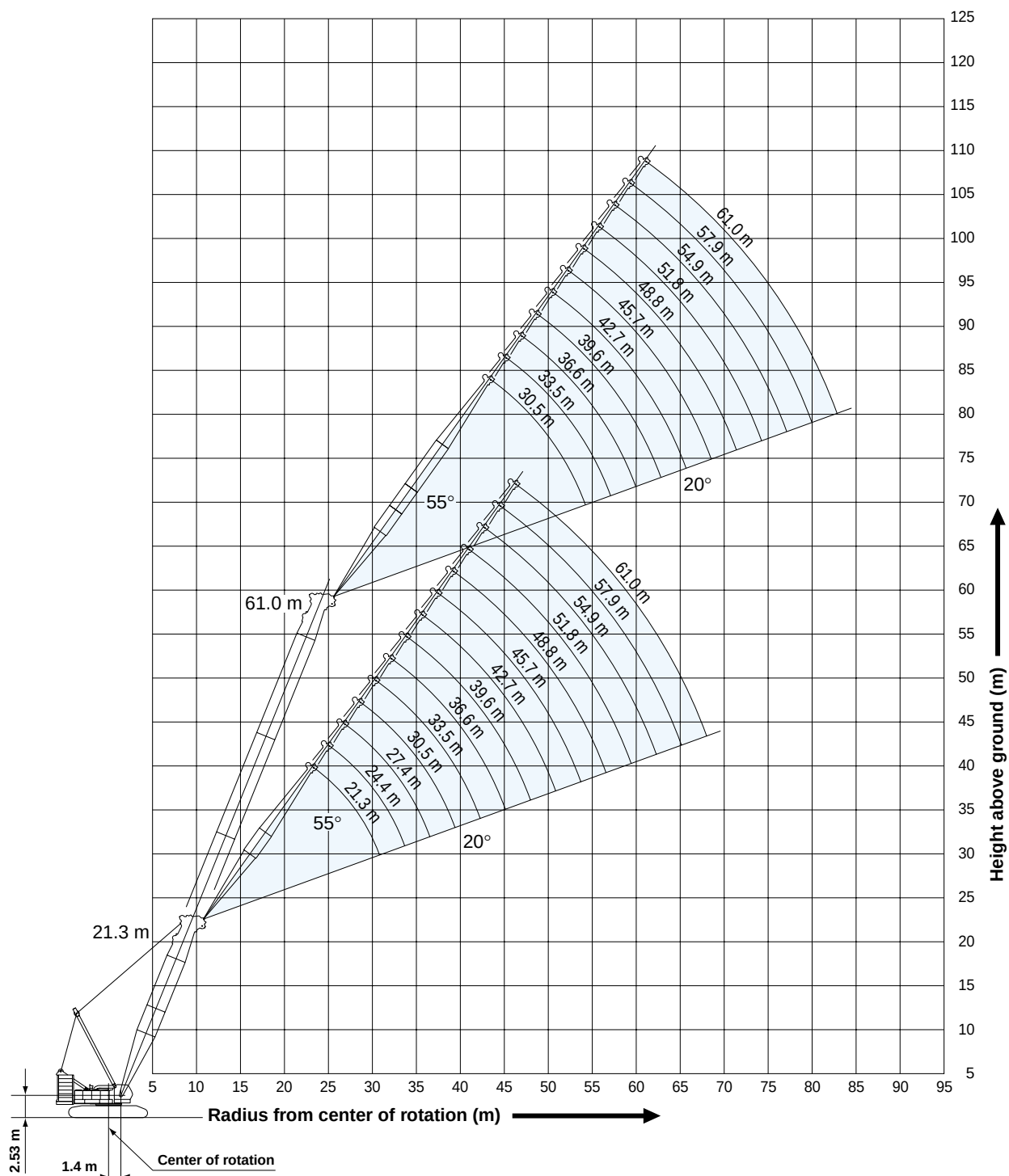
## NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be

6. detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
7. Ratings are for operation on a firm and level surface, up to 1% gradient.
8. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
9. Boom/jib inserts and guy lines must be arranged as shown in the "Operator's Manual".
10. Luffing boom hoist reeving is 16 part line.
11. Luffing jib hoist reeving is 10 part line.

# HYDRAULIC CRAWLER CRANE CKE2500

**Boom Angle: 68°**



11. Gantry must be in raised position for all conditions.
12. Boom and jib backstops are required for all boom and jib combinations.
13. Ratings shown in   are determined by the strength of the boom or other structural component.
14. The boom should be erected over the front of crawlers, not laterally.
15. When erecting or lowering the boom length of 54.9 m or over, the pillow plate for erection must be placed at the end of crawlers.
16. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.

17. All luffing jib ratings and luffing boom ratings with luffing jib shown are calculated in the condition equipped with the auxiliary sheave frame.
18. Luffing jib ratings: Deduct weight of jib hook block, slings, and all other load handling accessories from luffing jib ratings shown.
19. Luffing boom ratings with luffing jib: Deduct weight of main hook block, slings and all other load handling accessories from luffing boom ratings with luffing jib shown.



# Luffing Jib Lifting Capacities (Without Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| 21.3 m Boom Length | 21.3       |      |             |             |             |            |             |             |             |             |            |             |             |             |             |             |                | Boom length (m) |      |
|--------------------|------------|------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|----------------|-----------------|------|
|                    | 21.3       |      |             |             | 27.4        |            |             |             | 33.5        |             |            |             | 39.6        |             |             |             | Jib length (m) |                 |      |
|                    | Boom angle | 88°  | 83°         | 68°         | 63°         | 88°        | 83°         | 68°         | 63°         | 88°         | 83°        | 68°         | 63°         | 88°         | 83°         | 68°         | 63°            | Boom angle      |      |
| Working Radius (m) | 9.8        | 80.0 |             |             |             |            |             |             |             |             |            |             |             |             |             |             |                | 9.8             |      |
|                    | 10.0       | 79.3 |             |             |             |            |             |             |             |             |            |             |             |             |             |             |                | 10.0            |      |
|                    | 12.0       | 72.2 |             |             |             | 70.0       |             |             |             |             |            |             |             |             |             |             |                | 12.0            |      |
|                    | 14.0       | 65.1 | 65.7        |             |             | 64.7       |             |             |             | 54.0        |            |             |             |             |             |             |                | 14.0            |      |
|                    | 16.0       | 58.0 | 58.7        |             |             | 58.6       | 58.6        |             |             | 51.9        |            |             |             | 39.5        |             |             |                | 16.0            |      |
|                    | 18.0       | 50.9 | 54.2        |             |             | 52.9       | 53.5        |             |             | 49.2        | 52.5       |             |             | 38.7        |             |             |                | 18.0            |      |
|                    | 20.0       | 43.8 | 47.6        |             |             | 47.2       | 47.5        |             |             | 46.5        | 47.3       |             |             | 37.6        | 38.7        |             |                | 20.0            |      |
|                    | 22.0       | 36.7 | 42.1        |             |             | 41.5       | 42.0        |             |             | 42.0        | 41.9       |             |             | 36.3        | 38.1        |             |                | 22.0            |      |
|                    | 24.0       | 27.9 | 37.8        | 35.6        |             | 36.9       | 37.7        |             |             | 37.4        | 37.5       |             |             | 34.8        | 36.5        |             |                | 24.0            |      |
|                    | 26.0       |      |             | 32.2        |             | 31.7       | 34.1        |             |             | 33.6        | 34.0       |             |             | 33.1        | 33.8        |             |                | 26.0            |      |
|                    | 28.0       |      |             | 29.4        | 28.8        | 26.6       | 31.1        | 29.1        |             | 30.4        | 31.0       |             |             | 31.0        | 30.8        |             |                | 28.0            |      |
|                    | 30.0       |      |             | 27.0        | 26.5        |            | 27.8        | 26.7        | 32.0 m/24.2 | 27.3        | 28.4       | 32.0 m/24.4 | 36.0 m/20.7 | 28.2        | 28.3        |             |                | 30.0            |      |
|                    | 34.0       |      |             |             | 32.0 m/24.4 |            |             | 22.8        | 22.4        | 20.4        | 24.3       | 22.6        | 19.3        | 23.8        | 24.2        | 36.0 m/21.0 |                | 34.0            |      |
|                    | 38.0       |      |             |             |             |            |             | 36.0 m/21.3 | 19.5        |             |            | 36.0 m/21.5 | 19.7        | 17.0        | 18.9        | 21.1        | 19.6           | 40.0 m/17.9     | 38.0 |
|                    | 42.0       |      |             |             |             |            |             |             |             |             |            | 17.4        | 44.0 m/16.0 | 40.0 m/16.4 | 17.2        | 17.2        | 16.8           |                 | 42.0 |
|                    | 46.0       |      |             |             |             |            |             |             |             |             |            |             |             |             |             | 15.4        | 15.0           |                 | 46.0 |
|                    | 50.0       |      |             |             |             |            |             |             |             |             |            |             |             |             |             | 48.0 m/14.5 | 13.4           |                 | 50.0 |
| Reeves             |            | 6    |             |             |             | 6          |             |             |             | 4           |            |             |             | 3           |             |             |                | Reeves          |      |
| Working Radius (m) | 21.3       |      |             |             |             |            |             |             |             |             |            |             |             |             |             |             |                | Boom length (m) |      |
|                    | 45.7       |      |             |             | 51.8        |            |             |             | 57.9        |             |            |             | 61.0        |             |             |             | Jib length (m) |                 |      |
|                    | Boom angle | 88°  | 83°         | 68°         | 63°         | 88°        | 83°         | 68°         | 63°         | 88°         | 83°        | 68°         | 63°         | 88°         | 83°         | 68°         | 63°            | Boom angle      |      |
|                    | 16.0       | 29.4 |             |             |             |            |             |             |             |             |            |             |             |             |             |             |                | 16.0            |      |
|                    | 18.0       | 28.7 |             |             |             | 26.6       |             |             |             |             |            |             |             |             |             |             |                | 18.0            |      |
|                    | 20.0       | 28.1 |             |             |             | 26.0       |             |             |             | 20.9        |            |             |             | 18.4        |             |             |                | 20.0            |      |
|                    | 22.0       | 27.5 | 28.1        |             |             | 24.9       |             |             |             | 20.4        |            |             |             | 18.3        |             |             |                | 22.0            |      |
|                    | 24.0       | 27.0 | 27.5        |             |             | 23.8       | 24.3        |             |             | 19.5        |            |             |             | 17.6        |             |             |                | 24.0            |      |
|                    | 26.0       | 26.5 | 27.0        |             |             | 22.7       | 23.2        |             |             | 18.5        | 19.2       |             |             | 16.7        |             |             |                | 26.0            |      |
|                    | 28.0       | 25.9 | 26.6        |             |             | 21.6       | 22.1        |             |             | 17.5        | 18.2       |             |             | 15.8        | 16.4        |             |                | 28.0            |      |
|                    | 30.0       | 24.7 | 25.9        |             |             | 20.4       | 21.1        |             |             | 16.6        | 17.2       |             |             | 15.0        | 15.6        |             |                | 30.0            |      |
|                    | 34.0       | 22.4 | 23.5        |             |             | 18.2       | 18.9        |             |             | 15.0        | 15.5       |             |             | 13.6        | 14.0        |             |                | 34.0            |      |
|                    | 38.0       | 20.3 | 20.9        | 19.4        |             | 16.3       | 17.0        |             |             | 13.5        | 14.0       |             |             | 12.3        | 12.7        |             |                | 38.0            |      |
|                    | 42.0       | 16.9 | 18.4        | 17.0        |             | 14.3       | 15.0        | 16.8        |             | 12.3        | 12.7       |             |             | 11.2        | 11.6        |             |                | 42.0            |      |
|                    | 46.0       | 13.3 | 15.8        | 15.1        | 44.0 m/15.6 | 12.5       | 13.2        | 14.9        | 48.0 m/13.7 | 11.2        | 11.6       | 12.8        |             | 10.3        | 10.6        | 48.0 m/11.2 |                | 46.0            |      |
|                    | 50.0       |      | 48.0 m/14.0 | 13.6        | 14.8        | 10.7       | 11.5        | 13.3        | 12.9        | 10.2        | 10.6       | 11.7        | 52.0 m/11.6 | 9.4         | 9.7         | 10.7        |                | 50.0            |      |
|                    | 54.0       |      |             | 12.3        | 13.2        | 52.0 m/9.7 | 9.7         | 11.9        | 11.7        | 9.3         | 9.7        | 10.8        | 11.1        | 8.6         | 9.0         | 9.9         | 10.1           | 54.0            |      |
|                    | 58.0       |      |             |             | 12.0        |            |             | 10.3        | 10.6        | 8.2         | 8.9        | 9.9         | 10.2        | 7.9         | 8.2         | 9.1         | 9.4            | 58.0            |      |
|                    | 62.0       |      |             |             | 56.0 m/11.4 |            |             | 60.0 m/9.5  | 9.3         |             | 60.0 m/8.2 | 9.1         | 9.4         | 7.0         | 7.5         | 8.4         | 8.7            | 62.0            |      |
|                    | 66.0       |      |             |             |             |            |             |             |             |             |            | 8.0         | 8.6         |             | 64.0 m/7.0  | 7.8         | 8.0            | 66.0            |      |
|                    | 70.0       |      |             |             |             |            |             |             |             |             |            |             | 68.0 m/8.0  |             |             | 68.0 m/7.5  | 7.4            | 70.0            |      |
| Reeves             |            | 3    |             |             |             | 2          |             |             |             | 2           |            |             |             | 2           |             |             |                | Reeves          |      |
| Working Radius (m) | 27.4       |      |             |             |             |            |             |             |             |             |            |             |             |             |             |             |                | Boom length (m) |      |
|                    | 21.3       |      |             |             | 27.4        |            |             |             | 33.5        |             |            |             | 39.6        |             |             |             | Jib length (m) |                 |      |
|                    | Boom angle | 88°  | 83°         | 68°         | 63°         | 88°        | 83°         | 68°         | 63°         | 88°         | 83°        | 68°         | 63°         | 88°         | 83°         | 68°         | 63°            | Boom angle      |      |
|                    | 10.0       | 73.4 |             |             |             |            |             |             |             |             |            |             |             |             |             |             |                | 10.0            |      |
|                    | 12.0       | 67.6 |             |             |             | 67.5       |             |             |             |             |            |             |             |             |             |             |                | 12.0            |      |
|                    | 14.0       | 61.7 | 65.4        |             |             | 62.4       |             |             |             | 54.0        |            |             |             |             |             |             |                | 14.0            |      |
|                    | 16.0       | 55.9 | 58.4        |             |             | 57.3       | 58.3        |             |             | 52.1        |            |             |             | 39.5        |             |             |                | 16.0            |      |
|                    | 18.0       | 50.1 | 53.9        |             |             | 52.2       | 53.2        |             |             | 49.4        | 52.2       |             |             | 38.6        |             |             |                | 18.0            |      |
|                    | 20.0       | 44.2 | 47.3        |             |             | 47.1       | 47.2        |             |             | 46.8        | 47.0       |             |             | 37.5        |             |             |                | 20.0            |      |
|                    | 22.0       | 38.4 | 41.9        |             |             | 42.0       | 41.7        |             |             | 42.6        | 41.6       |             |             | 36.3        | 38.3        |             |                | 22.0            |      |
|                    | 24.0       | 29.7 | 37.5        |             |             | 37.2       | 37.4        |             |             | 37.8        | 37.3       |             |             | 34.8        | 37.0        |             |                | 24.0            |      |
|                    | 26.0       |      | 33.5        | 31.4        |             | 32.8       | 33.8        |             |             | 33.9        | 33.7       |             |             | 33.2        | 33.6        |             |                | 26.0            |      |
|                    | 28.0       |      |             | 28.6        |             | 27.7       | 30.8        |             |             | 30.6        | 30.7       |             |             | 31.3        | 30.6        |             |                | 28.0            |      |
|                    | 30.0       |      |             | 26.2        | 25.5        | 22.3       | 28.3        | 25.9        |             | 27.8        | 28.2       |             |             | 28.5        | 28.1        |             |                | 30.0            |      |
|                    | 34.0       |      |             | 32.0 m/24.2 | 21.8        |            | 32.0 m/25.1 | 22.1        | 21.5        | 21.2        | 24.1       | 21.9        |             | 23.9        | 24.0        |             |                | 34.0            |      |
|                    | 38.0       |      |             |             |             |            |             | 19.2        | 18.7        | 36.0 m/17.6 | 19.7       | 19.0        | 18.5        | 19.5        | 20.9        | 18.9        |                | 38.0            |      |
|                    | 42.0       |      |             |             |             |            |             | 40.0 m/17.6 |             |             |            | 16.8        | 16.3        | 40.0 m/17.1 | 18.4        | 16.7        | 16.1           | 42.0            |      |
|                    | 46.0       |      |             |             |             |            |             |             |             |             |            | 44.0 m/15.8 | 14.5        |             | 44.0 m/15.9 | 14.8        | 14.3           | 46.0            |      |
|                    | 50.0       |      |             |             |             |            |             |             |             |             |            |             |             |             |             | 13.3        | 12.8           | 50.0            |      |
|                    | 54.0       |      |             |             |             |            |             |             |             |             |            |             |             |             |             |             | 52.0 m/12.2    | 54.0            |      |
| Reeves             |            | 6    |             |             |             | 5          |             |             |             | 4           |            |             |             | 3           |             |             |                | Reeves          |      |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components. Refer to notes P25 and P26.

# HYDRAULIC CRAWLER CRANE

## CKE2500

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| 27.4 m Boom Length | 27.4   |             |      |             |             |             |             |             |             |             |             |      |      |             |             |             |                | Boom length (m) |
|--------------------|--------|-------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|------|-------------|-------------|-------------|----------------|-----------------|
|                    | 45.7   |             |      |             | 51.8        |             |             |             | 57.9        |             |             |      | 61.0 |             |             |             | Jib length (m) |                 |
|                    | 88°    | 83°         | 68°  | 63°         | 88°         | 83°         | 68°         | 63°         | 88°         | 83°         | 68°         | 63°  | 88°  | 83°         | 68°         | 63°         | Boom angle     |                 |
| Working Radius (m) | 18.0   | 28.7        |      |             | 25.7        |             |             |             |             |             |             |      |      |             |             |             | 18.0           |                 |
|                    | 20.0   | 28.1        |      |             | 25.4        |             |             |             | 20.4        |             |             |      |      |             |             |             | 20.0           |                 |
|                    | 22.0   | 27.5        |      |             | 24.5        |             |             |             | 20.1        |             |             |      | 18.1 |             |             |             | 22.0           |                 |
|                    | 24.0   | 27.0        | 27.7 |             | 23.5        |             |             |             | 19.3        |             |             |      | 17.4 |             |             |             | 24.0           |                 |
|                    | 26.0   | 26.5        | 27.2 |             | 22.4        | 22.8        |             |             | 18.4        |             |             |      | 16.6 |             |             |             | 26.0           |                 |
|                    | 28.0   | 25.9        | 26.7 |             | 21.3        | 21.7        |             |             | 17.4        | 18.1        |             |      | 15.7 | 16.3        |             |             | 28.0           |                 |
|                    | 30.0   | 24.7        | 26.2 |             | 20.2        | 20.7        |             |             | 16.5        | 17.1        |             |      | 14.9 | 15.5        |             |             | 30.0           |                 |
|                    | 34.0   | 22.4        | 23.8 |             | 18.1        | 18.7        |             |             | 14.9        | 15.4        |             |      | 13.5 | 14.0        |             |             | 34.0           |                 |
|                    | 38.0   | 20.4        | 20.7 | 40.0 m/17.5 | 16.2        | 16.8        |             |             | 13.5        | 14.0        |             |      | 12.2 | 12.7        |             |             | 38.0           |                 |
|                    | 42.0   | 17.5        | 18.2 | 16.4        | 14.3        | 14.9        | 44.0 m/15.2 |             | 12.3        | 12.7        |             |      | 11.2 | 11.5        |             |             | 42.0           |                 |
|                    | 46.0   | 13.8        | 16.2 | 14.6        | 12.5        | 13.2        | 14.3        |             | 11.2        | 11.6        | 48.0 m/12.2 |      | 10.2 | 10.6        |             |             | 46.0           |                 |
|                    | 50.0   |             | 13.0 | 13.1        | 12.6        | 10.8        | 11.6        | 12.8        | 10.3        | 10.6        | 11.7        |      | 9.4  | 9.7         | 10.6        |             | 50.0           |                 |
|                    | 54.0   |             |      | 11.8        | 11.4        | 52.0 m/10.0 | 9.9         | 11.5        | 9.4         | 9.8         | 10.7        | 10.8 | 8.6  | 8.9         | 9.8         | 56.0 m/9.7  | 54.0           |                 |
|                    | 58.0   |             |      | 56.0 m/11.3 | 10.3        |             | 56.0 m/9.1  | 10.4        | 8.4         | 9.0         | 9.9         | 9.8  | 8.0  | 8.3         | 9.0         | 9.3         | 58.0           |                 |
|                    | 62.0   |             |      |             |             |             | 9.0         | 9.1         |             | 7.6         | 9.1         | 8.9  | 7.3  | 7.6         | 8.4         | 8.6         | 62.0           |                 |
|                    | 66.0   |             |      |             |             |             |             | 64.0 m/8.7  |             |             | 8.1         | 8.1  |      | 64.0 m/7.3  | 7.8         | 8.0         | 66.0           |                 |
|                    | 70.0   |             |      |             |             |             |             |             |             |             | 68.0 m/7.5  | 7.4  |      |             | 7.1         | 7.3         | 70.0           |                 |
|                    | 74.0   |             |      |             |             |             |             |             |             |             |             |      |      |             | 72.0 m/6.5  | 6.5         | 74.0           |                 |
|                    | Reeves | 3           |      |             |             | 2           |             |             |             | 2           |             |      |      | 2           |             |             |                | Reeves          |
| 33.5 m Boom Length | 33.5   |             |      |             |             |             |             |             |             |             |             |      |      |             |             |             |                | Boom length (m) |
|                    | 21.3   |             |      |             | 27.4        |             |             |             | 33.5        |             |             |      | 39.6 |             |             |             | Jib length (m) |                 |
|                    | 88°    | 83°         | 68°  | 63°         | 88°         | 83°         | 68°         | 63°         | 88°         | 83°         | 68°         | 63°  | 88°  | 83°         | 68°         | 63°         | Boom angle     |                 |
|                    | 10.0   | 67.5        |      |             |             |             |             |             |             |             |             |      |      |             |             |             | 10.0           |                 |
|                    | 12.0   | 65.3        |      |             | 63.5        |             |             |             |             |             |             |      |      |             |             |             | 12.0           |                 |
|                    | 14.0   | 60.2        |      |             | 59.3        |             |             |             | 52.2        |             |             |      |      |             |             |             | 14.0           |                 |
|                    | 16.0   | 55.1        | 58.1 |             | 55.1        |             |             |             | 50.9        |             |             |      | 39.5 |             |             |             | 16.0           |                 |
|                    | 18.0   | 49.9        | 53.6 |             | 50.9        | 52.9        |             |             | 48.3        |             |             |      | 38.7 |             |             |             | 18.0           |                 |
|                    | 20.0   | 44.8        | 47.0 |             | 46.7        | 46.9        |             |             | 45.6        | 46.5        |             |      | 37.5 |             |             |             | 20.0           |                 |
|                    | 22.0   | 39.7        | 41.7 |             | 42.5        | 41.5        |             |             | 42.7        | 41.3        |             |      | 36.4 | 38.5        |             |             | 22.0           |                 |
|                    | 24.0   | 31.2        | 37.3 |             | 37.6        | 37.2        |             |             | 38.2        | 37.0        |             |      | 34.9 | 36.8        |             |             | 24.0           |                 |
|                    | 26.0   |             | 33.7 |             | 33.6        | 33.6        |             |             | 34.2        | 33.4        |             |      | 33.2 | 33.3        |             |             | 26.0           |                 |
|                    | 28.0   |             |      | 27.7        | 28.5        | 30.7        |             |             | 30.8        | 30.5        |             |      | 31.5 | 30.3        |             |             | 28.0           |                 |
|                    | 30.0   |             |      | 25.4        | 23.3        | 28.1        | 32.0 m/23.0 |             | 28.0        | 27.9        |             |      | 28.7 | 27.8        |             |             | 30.0           |                 |
|                    | 34.0   |             |      | 21.7        | 21.0        |             | 32.0 m/26.0 | 21.3        | 21.8        | 23.9        | 36.0 m/19.6 |      | 24.1 | 23.8        |             |             | 34.0           |                 |
|                    | 38.0   |             |      | 36.0 m/20.2 | 18.3        |             |             | 18.5        | 18.0        | 36.0 m/18.3 | 20.8        | 18.3 | 20.0 | 20.7        | 40.0 m/17.1 |             | 38.0           |                 |
|                    | 42.0   |             |      |             |             |             | 40.0 m/17.4 | 15.9        |             |             | 16.1        | 15.6 | 14.9 | 18.2        | 16.0        | 44.0 m/14.4 | 42.0           |                 |
|                    | 46.0   |             |      |             |             |             |             | 44.0 m/14.9 |             |             | 14.3        | 13.8 |      | 44.0 m/17.1 | 14.3        | 13.6        | 46.0           |                 |
|                    | 50.0   |             |      |             |             |             |             |             |             |             |             | 12.4 |      |             | 12.8        | 12.2        | 50.0           |                 |
|                    | 54.0   |             |      |             |             |             |             |             |             |             |             |      |      |             | 52.0 m/12.1 | 11.0        | 54.0           |                 |
|                    | 58.0   |             |      |             |             |             |             |             |             |             |             |      |      |             |             | 56.0 m/10.5 | 58.0           |                 |
|                    | Reeves | 5           |      |             |             | 5           |             |             |             | 4           |             |      |      | 3           |             |             |                | Reeves          |
| Working Radius (m) | 33.5   |             |      |             |             |             |             |             |             |             |             |      |      |             |             |             |                | Boom length (m) |
|                    | 45.7   |             |      |             | 51.8        |             |             |             | 57.9        |             |             |      | 61.0 |             |             |             | Jib length (m) |                 |
|                    | 88°    | 83°         | 68°  | 63°         | 88°         | 83°         | 68°         | 63°         | 88°         | 83°         | 68°         | 63°  | 88°  | 83°         | 68°         | 63°         | Boom angle     |                 |
|                    | 18.0   | 28.8        |      |             | 24.7        |             |             |             |             |             |             |      |      |             |             |             | 18.0           |                 |
|                    | 20.0   | 28.1        |      |             | 24.4        |             |             |             | 19.8        |             |             |      |      |             |             |             | 20.0           |                 |
|                    | 22.0   | 27.6        |      |             | 24.1        |             |             |             | 19.5        |             |             |      | 17.5 |             |             |             | 22.0           |                 |
|                    | 24.0   | 27.0        | 27.9 |             | 23.2        |             |             |             | 19.2        |             |             |      | 17.3 |             |             |             | 24.0           |                 |
|                    | 26.0   | 26.6        | 27.3 |             | 22.1        | 22.5        |             |             | 18.3        |             |             |      | 16.4 |             |             |             | 26.0           |                 |
|                    | 28.0   | 25.9        | 26.8 |             | 21.1        | 21.4        |             |             | 17.3        | 18.0        |             |      | 15.6 |             |             |             | 28.0           |                 |
|                    | 30.0   | 24.7        | 26.4 |             | 20.0        | 20.4        |             |             | 16.4        | 17.1        |             |      | 14.8 | 15.4        |             |             | 30.0           |                 |
|                    | 34.0   | 22.4        | 23.6 |             | 18.0        | 18.4        |             |             | 14.8        | 15.4        |             |      | 13.4 | 13.9        |             |             | 34.0           |                 |
|                    | 38.0   | 20.4        | 20.5 |             | 16.1        | 16.6        |             |             | 13.4        | 13.9        |             |      | 12.1 | 12.6        |             |             | 38.0           |                 |
|                    | 42.0   | 17.8        | 18.0 | 44.0 m/14.9 | 14.3        | 14.8        |             |             | 12.2        | 12.6        |             |      | 11.1 | 11.5        |             |             | 42.0           |                 |
|                    | 46.0   | 14.2        | 16.1 | 14.0        | 48.0 m/12.6 | 12.5        | 13.2        | 13.7        | 11.2        | 11.6        |             |      | 10.2 | 10.5        |             |             | 46.0           |                 |
|                    | 50.0   | 48.0 m/12.2 | 13.9 | 12.5        | 12.0        | 10.9        | 11.6        | 12.3        | 52.0 m/11.0 | 10.2        | 10.6        | 11.6 | 9.4  | 9.7         | 52.0 m/10.1 |             | 50.0           |                 |
|                    | 54.0   |             |      | 11.3        | 10.8        | 52.0 m/10.1 | 10.0        | 11.0        | 10.5        | 9.4         | 9.8         | 10.7 | 8.6  | 8.9         | 9.7         |             | 54.0           |                 |
|                    | 58.0   |             |      | 10.3        | 9.8         |             | 56.0 m/9.2  | 10.0        | 9.4         | 8.5         | 9.0         | 9.7  | 8.0  | 8.2         | 9.0         | 9.1         | 58.0           |                 |
|                    | 62.0   |             |      |             | 8.9         |             |             | 9.0         | 8.6         |             | 7.8         | 8.8  | 8.3  | 7.3         | 7.6         | 8.3         | 62.0           |                 |
|                    | 66.0   |             |      |             |             |             | 64.0 m/8.4  | 7.8         |             |             | 8.0         | 7.6  |      | 64.0 m/7.3  | 7.7         | 7.5         | 66.0           |                 |
|                    | 70.0   |             |      |             |             |             |             | 68.0 m/7.5  |             |             | 7.0         | 6.9  |      |             | 7.0         | 6.8         | 70.0           |                 |
|                    | 74.0   |             |      |             |             |             |             |             |             |             |             | 6.3  |      |             | 6.0         | 6.2         | 74.0           |                 |
|                    | 78.0   |             |      |             |             |             |             |             |             |             |             |      |      |             |             | 76.0 m/5.9  | 78.0           |                 |
|                    | Reeves | 3           |      |             |             | 2           |             |             |             | 2           |             |      |      | 2           |             |             |                | Reeves          |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P25 and P26.

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| 39.6 m Boom Length | 39.6       |             |      |             |             |      |            |             |             |             |             |             |             |      |             |             |                | Boom length (m) |
|--------------------|------------|-------------|------|-------------|-------------|------|------------|-------------|-------------|-------------|-------------|-------------|-------------|------|-------------|-------------|----------------|-----------------|
|                    | 21.3       |             |      |             | 27.4        |      |            |             | 33.5        |             |             |             | 39.6        |      |             |             | Jib length (m) |                 |
|                    | Boom angle | 88°         | 83°  | 68°         | 63°         | 88°  | 83°        | 68°         | 63°         | 88°         | 83°         | 68°         | 63°         | 88°  | 83°         | 68°         | 63°            | Boom angle      |
| Working Radius (m) | 10.0       | 64.5        |      |             |             |      |            |             |             |             |             |             |             |      |             |             |                | 10.0            |
|                    | 12.0       | 60.6        |      |             |             | 54.0 |            |             |             |             |             |             |             |      |             |             |                | 12.0            |
|                    | 14.0       | 56.6        |      |             |             | 54.0 |            |             |             | 48.5        |             |             |             |      |             |             |                | 14.0            |
|                    | 16.0       | 52.7        | 57.7 |             |             | 53.0 |            |             |             | 48.1        |             |             |             | 37.4 |             |             |                | 16.0            |
|                    | 18.0       | 48.8        | 53.2 |             |             | 49.5 | 52.5       |             |             | 47.1        |             |             |             | 37.0 |             |             |                | 18.0            |
|                    | 20.0       | 44.8        | 46.6 |             |             | 46.1 | 46.5       |             |             | 44.8        | 46.1        |             |             | 36.6 |             |             |                | 20.0            |
|                    | 22.0       | 40.9        | 41.3 |             |             | 42.7 | 41.2       |             |             | 42.6        | 40.9        |             |             | 36.2 | 37.1        |             |                | 22.0            |
|                    | 24.0       | 32.4        | 37.0 |             |             | 38.0 | 36.9       |             |             | 38.2        | 36.6        |             |             | 35.0 | 36.5        |             |                | 24.0            |
|                    | 26.0       |             | 33.4 |             |             | 33.9 | 33.3       |             |             | 34.5        | 33.1        |             |             | 33.3 | 33.0        |             |                | 26.0            |
|                    | 28.0       |             | 30.4 |             |             | 29.2 | 30.4       |             |             | 31.1        | 30.2        |             |             | 31.5 | 30.0        |             |                | 28.0            |
|                    | 30.0       |             |      | 32.0 m/22.5 |             | 24.0 | 27.9       |             |             | 28.2        | 27.7        |             |             | 28.9 | 27.5        |             |                | 30.0            |
|                    | 34.0       |             |      | 20.9        | 36.0 m/18.6 |      | 23.8       | 20.4        |             | 22.3        | 23.6        |             |             | 24.2 | 23.5        |             |                | 34.0            |
|                    | 38.0       |             |      | 18.1        | 17.4        |      |            | 17.7        | 40.0 m/16.0 | 36.0 m/18.8 | 20.6        | 17.5        |             | 20.4 | 20.5        |             |                | 38.0            |
|                    | 42.0       |             |      |             | 40.0 m/16.3 |      |            | 15.6        | 15.0        |             |             | 15.4        | 44.0 m/13.8 | 15.4 | 18.0        | 15.3        |                | 42.0            |
|                    | 46.0       |             |      |             |             |      |            | 44.0 m/14.7 | 13.4        |             |             | 13.7        | 13.0        |      | 44.0 m/17.0 | 13.6        | 48.0 m/12.1    | 46.0            |
|                    | 50.0       |             |      |             |             |      |            |             |             |             |             | 12.3        | 11.7        |      |             | 12.2        | 11.5           | 50.0            |
|                    | 54.0       |             |      |             |             |      |            |             |             |             |             |             | 52.0 m/11.1 |      |             | 11.0        | 10.3           | 54.0            |
|                    | 58.0       |             |      |             |             |      |            |             |             |             |             |             |             |      |             |             | 9.4            | 58.0            |
|                    | Reeves     | 5           |      |             |             | 4    |            |             |             | 4           |             |             |             | 3    |             |             |                | Reeves          |
| Working Radius (m) | 39.6       |             |      |             |             |      |            |             |             |             |             |             |             |      |             |             |                | Boom length (m) |
|                    | 45.7       |             |      |             | 51.8        |      |            |             | 57.9        |             |             |             | 61.0        |      |             |             | Jib length (m) |                 |
|                    | Boom angle | 88°         | 83°  | 68°         | 63°         | 88°  | 83°        | 68°         | 63°         | 88°         | 83°         | 68°         | 63°         | 88°  | 83°         | 68°         | 63°            | Boom angle      |
|                    | 18.0       | 28.8        |      |             |             |      |            |             |             |             |             |             |             |      |             |             |                | 18.0            |
|                    | 20.0       | 28.2        |      |             |             | 23.4 |            |             |             | 19.0        |             |             |             |      |             |             |                | 20.0            |
|                    | 22.0       | 27.6        |      |             |             | 23.2 |            |             |             | 18.7        |             |             |             | 16.9 |             |             |                | 22.0            |
|                    | 24.0       | 27.0        | 28.0 |             |             | 22.9 |            |             |             | 18.4        |             |             |             | 16.7 |             |             |                | 24.0            |
|                    | 26.0       | 26.6        | 27.5 |             |             | 21.9 | 22.1       |             |             | 18.1        |             |             |             | 16.3 |             |             |                | 26.0            |
|                    | 28.0       | 25.9        | 27.0 |             |             | 20.8 | 21.1       |             |             | 17.2        |             |             |             | 15.5 |             |             |                | 28.0            |
|                    | 30.0       | 24.7        | 26.5 |             |             | 19.8 | 20.1       |             |             | 16.3        | 17.0        |             |             | 14.7 | 15.4        |             |                | 30.0            |
|                    | 34.0       | 22.5        | 23.3 |             |             | 17.8 | 18.2       |             |             | 14.7        | 15.3        |             |             | 13.3 | 13.8        |             |                | 34.0            |
|                    | 38.0       | 20.4        | 20.3 |             |             | 15.9 | 16.4       |             |             | 13.3        | 13.8        |             |             | 12.1 | 12.5        |             |                | 38.0            |
|                    | 42.0       | 17.9        | 17.8 |             |             | 14.1 | 14.6       |             |             | 12.1        | 12.6        |             |             | 11.0 | 11.4        |             |                | 42.0            |
|                    | 46.0       | 14.5        | 15.9 | 13.3        |             | 12.5 | 13.0       | 48.0 m/12.3 |             | 11.1        | 11.5        |             |             | 10.1 | 10.4        |             |                | 46.0            |
|                    | 50.0       | 48.0 m/12.5 | 14.2 | 11.9        | 52.0 m/10.6 | 10.9 | 11.5       | 11.6        |             | 10.2        | 10.5        | 52.0 m/10.8 |             | 9.3  | 9.6         |             |                | 50.0            |
|                    | 54.0       |             |      | 10.7        | 10.1        | 9.2  | 10.0       | 10.4        | 56.0 m/9.3  | 9.4         | 9.7         | 10.2        |             | 8.6  | 8.9         | 9.6         |                | 54.0            |
|                    | 58.0       |             |      | 9.7         | 9.1         |      | 56.0 m/9.3 | 9.4         | 8.8         | 8.4         | 8.9         | 9.2         | 60.0 m/8.1  | 7.9  | 8.2         | 8.9         |                | 58.0            |
|                    | 62.0       |             |      | 60.0 m/9.3  | 8.3         |      |            | 8.6         | 8.0         | 60.0 m/7.7  | 7.7         | 8.3         | 7.7         | 6.7  | 7.6         | 8.2         | 7.6            | 62.0            |
|                    | 66.0       |             |      |             | 64.0 m/7.9  |      |            | 7.8         | 7.2         |             |             | 7.6         | 7.0         |      | 6.7         | 7.4         | 6.8            | 66.0            |
|                    | 70.0       |             |      |             |             |      |            |             | 6.6         |             |             | 6.9         | 6.3         |      |             | 6.8         | 6.2            | 70.0            |
|                    | 74.0       |             |      |             |             |      |            |             |             |             |             | 72.0 m/6.4  | 5.7         |      |             | 5.9         | 5.6            | 74.0            |
|                    | 78.0       |             |      |             |             |      |            |             |             |             |             |             | 76.0 m/5.5  |      |             | 76.0 m/5.4  | 5.1            | 78.0            |
|                    | Reeves     | 3           |      |             |             | 2    |            |             |             | 2           |             |             |             | 2    |             |             |                | Reeves          |
| Working Radius (m) | 45.7       |             |      |             |             |      |            |             |             |             |             |             |             |      |             |             |                | Boom length (m) |
|                    | 21.3       |             |      |             | 27.4        |      |            |             | 33.5        |             |             |             | 39.6        |      |             |             | Jib length (m) |                 |
|                    | Boom angle | 88°         | 83°  | 68°         | 63°         | 88°  | 83°        | 68°         | 63°         | 88°         | 83°         | 68°         | 63°         | 88°  | 83°         | 68°         | 63°            | Boom angle      |
|                    | 12.0       | 54.0        |      |             |             | 49.0 |            |             |             |             |             |             |             |      |             |             |                | 12.0            |
|                    | 14.0       | 54.0        |      |             |             | 47.5 |            |             |             | 40.5        |             |             |             |      |             |             |                | 14.0            |
|                    | 16.0       | 53.0        | 54.0 |             |             | 46.0 |            |             |             | 40.5        |             |             |             | 35.2 |             |             |                | 16.0            |
|                    | 18.0       | 49.3        | 52.8 |             |             | 44.6 |            |             |             | 40.5        |             |             |             | 34.9 |             |             |                | 18.0            |
|                    | 20.0       | 45.4        | 46.2 |             |             | 43.1 | 45.7       |             |             | 40.5        |             |             |             | 34.6 |             |             |                | 20.0            |
|                    | 22.0       | 41.9        | 40.9 |             |             | 41.6 | 40.7       |             |             | 38.5        | 40.3        |             |             | 33.8 |             |             |                | 22.0            |
|                    | 24.0       | 33.4        | 36.6 |             |             | 38.2 | 36.5       |             |             | 36.4        | 36.4        |             |             | 32.6 | 35.0        |             |                | 24.0            |
|                    | 26.0       |             | 33.1 |             |             | 34.2 | 33.0       |             |             | 34.4        | 32.9        |             |             | 31.3 | 32.6        |             |                | 26.0            |
|                    | 28.0       |             | 30.1 |             |             | 29.8 | 30.1       |             |             | 31.3        | 30.0        |             |             | 30.1 | 29.6        |             |                | 28.0            |
|                    | 30.0       |             |      |             |             | 24.7 | 27.6       |             |             | 28.4        | 27.5        |             |             | 28.8 | 27.2        |             |                | 30.0            |
|                    | 34.0       |             |      | 20.0        |             |      | 23.6       |             |             | 22.7        | 23.5        |             |             | 24.4 | 23.3        |             |                | 34.0            |
|                    | 38.0       |             |      | 17.3        | 16.4        |      |            | 16.9        |             | 36.0 m/19.3 | 20.4        | 40.0 m/15.6 |             | 20.7 | 20.2        |             |                | 38.0            |
|                    | 42.0       |             |      | 40.0 m/16.2 | 14.4        |      |            | 14.9        | 14.1        |             | 40.0 m/19.1 | 14.6        |             | 15.7 | 17.8        | 44.0 m/13.7 |                | 42.0            |
|                    | 46.0       |             |      |             | 44.0 m/13.6 |      |            | 13.2        | 12.6        |             |             | 13.0        | 12.3        |      | 15.8        | 12.9        |                | 46.0            |
|                    | 50.0       |             |      |             |             |      |            |             | 11.2        |             |             | 11.6        | 11.0        |      |             | 11.5        | 10.7           | 50.0            |
|                    | 54.0       |             |      |             |             |      |            |             |             |             |             | 52.0 m/11.0 | 9.9         |      |             | 10.4        | 9.6            | 54.0            |
|                    | 58.0       |             |      |             |             |      |            |             |             |             |             |             | 56.0 m/9.5  |      |             | 9.4         | 8.7            | 58.0            |
|                    | 62.0       |             |      |             |             |      |            |             |             |             |             |             |             |      |             |             | 60.0 m/8.3     | 62.0            |
|                    | Reeves     | 4           |      |             |             | 4    |            |             |             | 3           |             |             |             | 3    |             |             |                | Reeves          |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components. Refer to notes P25 and P26.

# HYDRAULIC CRAWLER CRANE

## CKE2500

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

| 45.7 m Boom Length | 45.7       |             |             |             |      |      |      |             |            |             |             |      |      |      |             |            |                | Boom length (m) |
|--------------------|------------|-------------|-------------|-------------|------|------|------|-------------|------------|-------------|-------------|------|------|------|-------------|------------|----------------|-----------------|
|                    | 45.7       |             |             |             | 51.8 |      |      |             | 57.9       |             |             |      | 61.0 |      |             |            | Jib length (m) |                 |
|                    | Boom angle | 88°         | 83°         | 68°         | 63°  | 88°  | 83°  | 68°         | 63°        | 88°         | 83°         | 68°  | 63°  | 88°  | 83°         | 68°        | 63°            | Boom angle      |
| Working Radius (m) | 18.0       | 28.1        |             |             |      |      |      |             |            |             |             |      |      |      |             |            |                | 18.0            |
|                    | 20.0       | 27.8        |             |             |      | 22.4 |      |             |            | 18.3        |             |      |      |      |             |            |                | 20.0            |
|                    | 22.0       | 27.5        |             |             |      | 22.1 |      |             |            | 18.0        |             |      |      | 16.3 |             |            |                | 22.0            |
|                    | 24.0       | 27.1        |             |             |      | 21.8 |      |             |            | 17.7        |             |      |      | 16.1 |             |            |                | 24.0            |
|                    | 26.0       | 26.6        | 27.6        |             |      | 21.5 |      |             |            | 17.4        |             |      |      | 15.9 |             |            |                | 26.0            |
|                    | 28.0       | 26.0        | 27.1        |             |      | 20.6 | 20.8 |             |            | 17.1        |             |      |      | 15.4 |             |            |                | 28.0            |
|                    | 30.0       | 24.7        | 26.6        |             |      | 19.6 | 19.8 |             |            | 16.2        | 17.0        |      |      | 14.6 | 15.3        |            |                | 30.0            |
|                    | 34.0       | 22.5        | 23.0        |             |      | 17.6 | 17.9 |             |            | 14.6        | 15.3        |      |      | 13.2 | 13.8        |            |                | 34.0            |
|                    | 38.0       | 20.4        | 20.0        |             |      | 15.8 | 16.1 |             |            | 13.2        | 13.8        |      |      | 12.0 | 12.5        |            |                | 38.0            |
|                    | 42.0       | 18.0        | 17.6        |             |      | 14.0 | 14.5 |             |            | 12.1        | 12.5        |      |      | 10.9 | 11.4        |            |                | 42.0            |
|                    | 46.0       | 14.7        | 15.6        | 48.0 m/11.9 |      | 12.4 | 12.9 |             |            | 11.0        | 11.4        |      |      | 10.0 | 10.4        |            |                | 46.0            |
|                    | 50.0       | 48.0 m/12.8 | 14.0        | 11.3        |      | 10.8 | 11.4 | 52.0 m/10.4 |            | 10.1        | 10.5        |      |      | 9.2  | 9.5         |            |                | 50.0            |
|                    | 54.0       |             | 52.0 m/13.3 | 10.1        | 9.3  | 9.2  | 10.0 | 9.8         |            | 9.3         | 9.7         | 9.6  |      | 8.5  | 8.8         | 56.0 m/8.9 |                | 54.0            |
|                    | 58.0       |             |             | 9.2         | 8.4  |      | 8.5  | 8.9         | 8.1        | 8.4         | 8.8         | 8.6  |      | 7.5  | 8.1         | 8.5        |                | 58.0            |
|                    | 62.0       |             |             | 8.3         | 7.7  |      |      | 8.0         | 7.3        | 60.0 m/7.7  | 7.7         | 7.8  | 7.0  | 5.6  | 7.5         | 7.7        | 64.0 m/6.4     | 62.0            |
|                    | 66.0       |             |             | 64.0 m/8.0  | 7.0  |      |      | 7.3         | 6.6        |             | 64.0 m/7.0  | 7.1  | 6.3  |      | 6.6         | 6.9        | 6.1            | 66.0            |
|                    | 70.0       |             |             |             |      |      |      | 6.6         | 5.9        |             |             | 6.4  | 5.6  |      |             | 6.2        | 5.5            | 70.0            |
|                    | 74.0       |             |             |             |      |      |      |             | 72.0 m/5.6 |             |             | 5.8  | 5.1  |      |             | 5.6        | 4.9            | 74.0            |
|                    | 78.0       |             |             |             |      |      |      |             |            |             |             |      | 4.6  |      |             | 4.8        | 4.4            | 78.0            |
|                    | 82.0       |             |             |             |      |      |      |             |            |             |             |      |      |      |             |            | 4.0            | 82.0            |
|                    | Reeves     |             | 3           |             |      |      | 2    |             |            |             | 2           |      |      |      | 2           |            |                | Reeves          |
| 51.8 m Boom Length | 51.8       |             |             |             |      |      |      |             |            |             |             |      |      |      |             |            |                | Boom length (m) |
|                    | 21.3       |             |             |             | 27.4 |      |      |             | 33.5       |             |             |      | 39.6 |      |             |            | Jib length (m) |                 |
|                    | Boom angle | 88°         | 83°         | 68°         | 63°  | 88°  | 83°  | 68°         | 63°        | 88°         | 83°         | 68°  | 63°  | 88°  | 83°         | 68°        | 63°            | Boom angle      |
| Working Radius (m) | 12.0       | 54.0        |             |             |      | 40.5 |      |             |            |             |             |      |      |      |             |            |                | 12.0            |
|                    | 14.0       | 52.4        |             |             |      | 40.5 |      |             |            | 40.5        |             |      |      |      |             |            |                | 14.0            |
|                    | 16.0       | 47.1        |             |             |      | 40.5 |      |             |            | 40.5        |             |      |      | 32.7 |             |            |                | 16.0            |
|                    | 18.0       | 42.6        | 51.8        |             |      | 40.5 |      |             |            | 40.5        |             |      |      | 32.3 |             |            |                | 18.0            |
|                    | 20.0       | 38.8        | 45.8        |             |      | 39.1 | 40.5 |             |            | 38.7        |             |      |      | 31.9 |             |            |                | 20.0            |
|                    | 22.0       | 35.5        | 40.6        |             |      | 35.8 | 40.3 |             |            | 35.6        | 39.8        |      |      | 31.5 |             |            |                | 22.0            |
|                    | 24.0       | 32.5        | 36.3        |             |      | 33.0 | 36.1 |             |            | 32.9        | 35.9        |      |      | 31.1 | 32.7        |            |                | 24.0            |
|                    | 26.0       |             | 32.9        |             |      | 30.5 | 32.6 |             |            | 30.6        | 32.5        |      |      | 30.2 | 32.2        |            |                | 26.0            |
|                    | 28.0       |             | 29.9        |             |      | 28.3 | 29.7 |             |            | 28.4        | 29.6        |      |      | 28.1 | 29.3        |            |                | 28.0            |
|                    | 30.0       |             |             |             |      | 25.5 | 27.2 |             |            | 26.5        | 27.1        |      |      | 26.3 | 26.9        |            |                | 30.0            |
|                    | 34.0       |             |             | 36.0 m/17.7 |      |      | 23.3 |             |            | 23.2        | 23.2        |      |      | 23.2 | 23.0        |            |                | 34.0            |
|                    | 38.0       |             |             | 16.5        |      |      |      | 40.0 m/15.1 |            | 36.0 m/19.9 | 20.2        |      |      | 20.6 | 19.9        |            |                | 38.0            |
|                    | 42.0       |             |             | 14.5        | 13.6 |      |      | 14.1        |            |             | 40.0 m/18.9 | 13.9 |      | 16.1 | 17.5        |            |                | 42.0            |
|                    | 46.0       |             |             |             | 12.0 |      |      | 12.5        | 11.6       |             |             | 12.3 |      |      | 15.6        | 12.1       |                | 46.0            |
|                    | 50.0       |             |             |             |      |      |      | 48.0 m/11.9 | 10.4       |             |             | 11.0 | 10.2 |      |             | 10.8       |                | 50.0            |
|                    | 54.0       |             |             |             |      |      |      |             | 52.0 m/9.9 |             |             | 9.9  | 9.2  |      |             | 9.7        | 8.8            | 54.0            |
|                    | 58.0       |             |             |             |      |      |      |             |            |             |             |      | 8.3  |      |             | 8.8        | 7.9            | 58.0            |
|                    | 62.0       |             |             |             |      |      |      |             |            |             |             |      |      |      |             | 60.0 m/8.4 | 7.2            | 62.0            |
|                    | 66.0       |             |             |             |      |      |      |             |            |             |             |      |      |      |             |            | 64.0 m/6.8     | 66.0            |
|                    | Reeves     |             | 4           |             |      |      | 3    |             |            |             | 3           |      |      |      | 3           |            |                | Reeves          |
| 51.8 m Boom Length | 51.8       |             |             |             |      |      |      |             |            |             |             |      |      |      |             |            |                | Boom length (m) |
|                    | 45.7       |             |             |             | 51.8 |      |      |             | 57.9       |             |             |      | 61.0 |      |             |            | Jib length (m) |                 |
|                    | Boom angle | 88°         | 83°         | 68°         | 63°  | 88°  | 83°  | 68°         | 63°        | 88°         | 83°         | 68°  | 63°  | 88°  | 83°         | 68°        | 63°            | Boom angle      |
| Working Radius (m) | 18.0       | 26.2        |             |             |      |      |      |             |            |             |             |      |      |      |             |            |                | 18.0            |
|                    | 20.0       | 25.9        |             |             |      | 21.2 |      |             |            |             |             |      |      |      |             |            |                | 20.0            |
|                    | 22.0       | 25.7        |             |             |      | 20.9 |      |             |            | 17.3        |             |      |      | 15.7 |             |            |                | 22.0            |
|                    | 24.0       | 25.4        |             |             |      | 20.6 |      |             |            | 17.0        |             |      |      | 15.4 |             |            |                | 24.0            |
|                    | 26.0       | 25.1        | 26.0        |             |      | 20.3 |      |             |            | 16.7        |             |      |      | 15.1 |             |            |                | 26.0            |
|                    | 28.0       | 24.8        | 25.7        |             |      | 20.0 | 20.5 |             |            | 16.4        |             |      |      | 14.8 |             |            |                | 28.0            |
|                    | 30.0       | 24.5        | 25.4        |             |      | 19.4 | 19.5 |             |            | 16.1        | 16.9        |      |      | 14.5 | 32.0 m/14.5 |            |                | 30.0            |
|                    | 34.0       | 22.5        | 22.7        |             |      | 17.4 | 17.7 |             |            | 14.5        | 15.2        |      |      | 13.1 | 13.7        |            |                | 34.0            |
|                    | 38.0       | 20.5        | 19.7        |             |      | 15.6 | 15.9 |             |            | 13.1        | 13.7        |      |      | 11.9 | 12.4        |            |                | 38.0            |
|                    | 42.0       | 18.0        | 17.3        |             |      | 13.9 | 14.3 |             |            | 12.0        | 12.4        |      |      | 10.9 | 11.3        |            |                | 42.0            |
|                    | 46.0       | 14.9        | 15.4        |             |      | 12.3 | 12.7 |             |            | 11.0        | 11.4        |      |      | 10.0 | 10.3        |            |                | 46.0            |
|                    | 50.0       | 48.0 m/13.0 | 13.8        | 10.6        |      | 10.7 | 11.3 |             |            | 10.1        | 10.4        |      |      | 9.2  | 9.5         |            |                | 50.0            |
|                    | 54.0       |             | 52.0 m/13.1 | 9.5         |      | 9.2  | 9.9  | 9.2         |            | 9.3         | 9.6         |      |      | 8.5  | 8.7         |            |                | 54.0            |
|                    | 58.0       |             |             | 8.5         | 7.6  |      | 8.5  | 8.2         |            | 7.3         | 8.7         | 8.0  |      | 6.3  | 8.1         | 7.8        |                | 58.0            |
|                    | 62.0       |             |             | 7.8         | 6.8  |      |      | 7.4         | 6.4        | 60.0 m/6.4  | 7.6         | 7.1  |      | 4.4  | 7.5         | 6.9        |                | 62.0            |
|                    | 66.0       |             |             | 7.1         | 6.1  |      |      | 6.7         | 5.8        |             | 64.0 m/7.0  | 6.4  | 5.4  |      | 5.7         | 6.2        | 68.0 m/4.9     | 66.0            |
|                    | 70.0       |             |             |             | 5.6  |      |      | 6.1         | 5.2        |             |             | 5.8  | 4.8  |      |             | 5.6        | 4.7            | 70.0            |
|                    | 74.0       |             |             |             |      |      |      | 72.0 m/5.8  | 4.6        |             |             | 5.2  | 4.3  |      |             | 5.0        | 4.2            | 74.0            |
|                    | 78.0       |             |             |             |      |      |      |             | 76.0 m/4.4 |             |             | 4.7  | 3.9  |      |             | 4.5        | 3.7            | 78.0            |
|                    | 82.0       |             |             |             |      |      |      |             |            |             |             |      | 3.5  |      |             | 80.0 m/4.2 | 3.3            | 82.0            |
|                    | 86.0       |             |             |             |      |      |      |             |            |             |             |      |      |      |             |            | 84.0 m/3.1     | 86.0            |
|                    | Reeves     |             | 2           |             |      |      | 2    |             |            |             | 2           |      |      |      | 2           |            |                | Reeves          |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P25 and P26.

Unit: metric ton

Counterweight: 90.0 t,  
Carbody weight: 24.0 t

| 57.9 m Boom Length | Boom length (m)    |        | 57.9 |             |             |      |             |      |             |             |      |            |            |      |             |             |     |            | Boom length (m) |
|--------------------|--------------------|--------|------|-------------|-------------|------|-------------|------|-------------|-------------|------|------------|------------|------|-------------|-------------|-----|------------|-----------------|
|                    | Jib length (m)     |        | 21.3 |             |             |      | 27.4        |      |             |             | 33.5 |            |            |      | 39.6        |             |     |            | Jib length (m)  |
|                    | Boom angle         |        | 88°  | 83°         | 68°         | 63°  | 88°         | 83°  | 68°         | 63°         | 88°  | 83°        | 68°        | 63°  | 88°         | 83°         | 68° | 63°        | Boom angle      |
|                    | Working Radius (m) | 12.0   | 40.5 |             |             |      |             |      |             |             |      |            |            |      |             |             |     |            | 12.0            |
| 14.0               |                    | 38.4   |      |             |             | 39.5 |             |      |             | 37.2        |      |            |            |      |             |             |     | 14.0       |                 |
| 16.0               |                    | 35.4   |      |             |             | 35.7 |             |      |             | 35.5        |      |            |            | 27.0 |             |             |     | 16.0       |                 |
| 18.0               |                    | 33.0   | 40.5 |             |             | 32.4 |             |      |             | 32.3        |      |            |            | 27.0 |             |             |     | 18.0       |                 |
| 20.0               |                    | 30.0   | 37.3 |             |             | 29.6 | 36.3        |      |             | 29.6        |      |            |            | 27.0 |             |             |     | 20.0       |                 |
| 22.0               |                    | 27.5   | 33.7 |             |             | 27.2 | 33.0        |      |             | 27.2        | 32.8 |            |            | 27.0 |             |             |     | 22.0       |                 |
| 24.0               |                    | 25.2   | 30.7 |             |             | 25.1 | 30.2        |      |             | 25.1        | 30.1 |            |            | 25.0 | 27.0        |             |     | 24.0       |                 |
| 26.0               |                    |        | 28.0 |             |             | 23.3 | 27.7        |      |             | 23.3        | 27.6 |            |            | 23.2 | 27.0        |             |     | 26.0       |                 |
| 28.0               |                    |        | 25.7 |             |             | 21.6 | 25.5        |      |             | 21.7        | 25.5 |            |            | 21.6 | 25.3        |             |     | 28.0       |                 |
| 30.0               |                    |        | 23.6 |             |             | 20.1 | 23.6        |      |             | 20.2        | 23.6 |            |            | 20.1 | 23.5        |             |     | 30.0       |                 |
| 34.0               |                    |        |      |             |             |      | 20.4        |      |             | 17.7        | 20.5 |            |            | 17.7 | 20.4        |             |     | 34.0       |                 |
| 38.0               |                    |        |      | 15.8        |             |      | 36.0 m/19.0 |      |             | 36.0 m/16.5 | 17.9 |            |            | 15.6 | 17.9        |             |     | 38.0       |                 |
| 42.0               |                    |        |      | 13.8        | 44.0 m/11.8 |      |             | 13.6 |             |             | 15.7 |            |            | 13.8 | 15.8        |             |     | 42.0       |                 |
| 46.0               |                    |        |      | 44.0 m/13.0 | 11.2        |      |             | 12.0 | 48.0 m/10.2 |             |      | 11.7       |            |      | 14.0        | 48.0 m/10.7 |     | 46.0       |                 |
| 50.0               |                    |        |      |             | 48.0 m/10.5 |      |             | 10.8 | 9.7         |             |      | 10.4       | 52.0 m/8.8 |      | 48.0 m/13.2 | 10.1        |     | 50.0       |                 |
| 54.0               |                    |        |      |             |             |      |             |      | 8.7         |             |      |            | 9.4        | 8.3  |             |             | 9.1 | 56.0 m/7.4 | 54.0            |
| 58.0               |                    |        |      |             |             |      |             |      |             |             |      | 56.0 m/8.9 | 7.4        |      |             |             | 8.2 | 7.0        | 58.0            |
| 62.0               |                    |        |      |             |             |      |             |      |             |             |      |            | 60.0 m/7.0 |      |             |             | 7.4 | 6.3        | 62.0            |
| 66.0               |                    |        |      |             |             |      |             |      |             |             |      |            |            |      |             |             |     | 5.7        | 66.0            |
|                    |                    | Reeves | 3    |             |             |      | 3           |      |             |             | 3    |            |            |      | 2           |             |     |            | Reeves          |

| Boom length (m)    |        | 57.9        |             |            |            |      |      |            |            |            |             |            |            |      |             |     |     | Boom length (m) |        |
|--------------------|--------|-------------|-------------|------------|------------|------|------|------------|------------|------------|-------------|------------|------------|------|-------------|-----|-----|-----------------|--------|
| Jib length (m)     |        | 45.7        |             |            |            | 51.8 |      |            |            | 57.9       |             |            |            | 61.0 |             |     |     | Jib length (m)  |        |
| Boom angle         |        | 88°         | 83°         | 68°        | 63°        | 88°  | 83°  | 68°        | 63°        | 88°        | 83°         | 68°        | 63°        | 88°  | 83°         | 68° | 63° | Boom angle      |        |
| Working Radius (m) | 18.0   | 24.5        |             |            |            |      |      |            |            |            |             |            |            |      |             |     |     | 18.0            |        |
|                    | 20.0   | 24.2        |             |            |            | 20.0 |      |            |            |            |             |            |            |      |             |     |     | 20.0            |        |
|                    | 22.0   | 23.9        |             |            |            | 19.7 |      |            |            | 16.4       |             |            |            | 14.9 |             |     |     | 22.0            |        |
|                    | 24.0   | 23.6        |             |            |            | 19.4 |      |            |            | 16.2       |             |            |            | 14.7 |             |     |     | 24.0            |        |
|                    | 26.0   | 23.1        | 24.3        |            |            | 19.1 |      |            |            | 16.0       |             |            |            | 14.5 |             |     |     | 26.0            |        |
|                    | 28.0   | 21.5        | 24.0        |            |            | 18.8 |      |            |            | 15.8       |             |            |            | 14.3 |             |     |     | 28.0            |        |
|                    | 30.0   | 20.0        | 22.8        |            |            | 18.5 | 19.3 |            |            | 15.6       | 32.0 m/16.0 |            |            | 14.1 | 32.0 m/14.4 |     |     | 30.0            |        |
|                    | 34.0   | 17.6        | 19.8        |            |            | 17.2 | 17.4 |            |            | 14.4       | 15.1        |            |            | 13.0 | 13.7        |     |     | 34.0            |        |
|                    | 38.0   | 15.6        | 17.5        |            |            | 15.4 | 15.7 |            |            | 13.1       | 13.6        |            |            | 11.8 | 12.3        |     |     | 38.0            |        |
|                    | 42.0   | 13.8        | 15.5        |            |            | 13.8 | 14.1 |            |            | 11.9       | 12.4        |            |            | 10.8 | 11.2        |     |     | 42.0            |        |
|                    | 46.0   | 12.4        | 13.9        |            |            | 12.2 | 12.6 |            |            | 10.9       | 11.3        |            |            | 9.9  | 10.2        |     |     | 46.0            |        |
|                    | 50.0   | 48.0 m/11.7 | 12.4        | 52.0 m/9.3 |            | 10.6 | 11.1 |            |            | 10.0       | 10.3        |            |            | 9.1  | 9.4         |     |     | 50.0            |        |
|                    | 54.0   |             | 52.0 m/11.8 | 8.8        |            | 9.2  | 9.8  | 56.0 m/7.9 |            | 7.9        | 9.5         |            |            | 7.0  | 8.6         |     |     | 54.0            |        |
|                    | 58.0   |             |             | 7.9        | 60.0 m/6.5 |      | 8.5  | 7.5        |            | 6.0        | 8.5         | 60.0 m/6.8 |            | 5.0  | 8.0         |     |     | 58.0            |        |
|                    | 62.0   |             |             | 7.1        | 6.1        |      |      | 6.7        | 64.0 m/5.2 | 60.0 m/5.1 | 7.5         | 6.4        |            | 3.3  | 6.8         | 6.2 |     | 62.0            |        |
|                    | 66.0   |             |             | 6.4        | 5.5        |      |      | 6.0        | 4.9        |            | 64.0 m/6.4  | 5.7        | 68.0 m/4.3 |      | 4.7         | 5.5 |     | 66.0            |        |
|                    | 70.0   |             |             | 68.0 m/6.1 | 5.0        |      |      | 5.4        | 4.4        |            |             | 5.1        | 4.0        |      | 68.0 m/3.7  | 4.9 | 3.9 | 70.0            |        |
|                    | 74.0   |             |             |            | 72.0 m/4.7 |      |      | 4.9        | 3.9        |            |             | 4.6        | 3.6        |      |             | 4.4 | 3.4 | 74.0            |        |
|                    | 78.0   |             |             |            |            |      |      |            | 3.5        |            |             | 4.1        | 3.2        |      |             | 3.9 | 3.0 | 78.0            |        |
|                    | 82.0   |             |             |            |            |      |      |            |            |            |             | 80.0 m/3.9 | 2.8        |      |             | 3.5 | 2.6 | 82.0            |        |
|                    | 86.0   |             |             |            |            |      |      |            |            |            |             |            | 84.0 m/2.6 |      |             |     |     | 86.0            |        |
|                    | Reeves |             | 2           |            |            |      | 2    |            |            |            | 2           |            |            |      | 2           |     |     |                 | Reeves |

Note:

Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P25 and P26.



# HYDRAULIC CRAWLER CRANE CKE2500

Unit: metric ton

**Counterweight: 90.0 t,  
Carbody weight: 24.0 t**

| 61.0 m Boom Length | 61.0           |      |      |             |            |     |             |      |     |     |      |             |     |            |             |      |            |     | Boom length (m) |
|--------------------|----------------|------|------|-------------|------------|-----|-------------|------|-----|-----|------|-------------|-----|------------|-------------|------|------------|-----|-----------------|
|                    | Jib length (m) |      | 30.5 |             |            |     | 33.5        |      |     |     | 39.6 |             |     |            | 45.7        |      |            |     | Jib length (m)  |
|                    | Boom angle     |      | 88°  | 83°         | 68°        | 63° | 88°         | 83°  | 68° | 63° | 88°  | 83°         | 68° | 63°        | 88°         | 83°  | 68°        | 63° | Boom angle      |
|                    |                |      |      |             |            |     |             |      |     |     |      |             |     |            |             |      |            |     |                 |
| Working Radius (m) | 14.0           | 35.0 |      |             |            |     | 27.0        |      |     |     |      |             |     |            |             |      |            |     | 14.0            |
|                    | 16.0           | 31.6 |      |             |            |     | 27.0        |      |     |     | 27.0 |             |     |            |             |      |            |     | 16.0            |
|                    | 18.0           | 28.7 |      |             |            |     | 27.0        |      |     |     | 27.0 |             |     |            | 23.6        |      |            |     | 18.0            |
|                    | 20.0           | 26.2 |      |             |            |     | 26.1        |      |     |     | 26.0 |             |     |            | 23.3        |      |            |     | 20.0            |
|                    | 22.0           | 24.1 | 29.4 |             |            |     | 24.0        |      |     |     | 23.8 |             |     |            | 23.0        |      |            |     | 22.0            |
|                    | 24.0           | 22.2 | 26.9 |             |            |     | 22.1        | 25.8 |     |     | 22.0 |             |     |            | 21.8        |      |            |     | 24.0            |
|                    | 26.0           | 20.6 | 24.6 |             |            |     | 20.5        | 23.8 |     |     | 20.4 | 23.6        |     |            | 20.2        |      |            |     | 26.0            |
|                    | 28.0           | 19.1 | 22.7 |             |            |     | 19.0        | 22.0 |     |     | 18.9 | 21.8        |     |            | 18.8        | 21.6 |            |     | 28.0            |
|                    | 30.0           | 17.8 | 21.0 |             |            |     | 17.7        | 20.4 |     |     | 17.6 | 20.2        |     |            | 17.5        | 20.1 |            |     | 30.0            |
|                    | 34.0           | 15.5 | 18.1 |             |            |     | 15.5        | 17.7 |     |     | 15.4 | 17.6        |     |            | 15.3        | 17.5 |            |     | 34.0            |
|                    | 38.0           |      | 15.7 |             |            |     | 36.0 m/14.5 | 15.5 |     |     | 13.6 | 15.4        |     |            | 13.5        | 15.3 |            |     | 38.0            |
|                    | 42.0           |      |      | 44.0 m/12.2 |            |     |             | 13.7 |     |     | 12.0 | 13.6        |     |            | 12.0        | 13.5 |            |     | 42.0            |
|                    | 46.0           |      |      | 11.5        |            |     |             | 11.2 |     |     |      | 12.1        |     |            | 10.7        | 12.1 |            |     | 46.0            |
|                    | 50.0           |      |      | 10.2        | 52.0 m/8.5 |     |             | 10.0 |     |     |      | 48.0 m/11.4 | 9.7 |            | 48.0 m/10.1 | 10.8 |            |     | 50.0            |
|                    | 54.0           |      |      | 9.2         | 8.0        |     |             | 9.0  | 7.9 |     |      |             | 8.7 |            |             | 9.6  | 8.3        |     | 54.0            |
|                    | 58.0           |      |      |             | 7.1        |     |             | 8.1  | 7.1 |     |      |             | 7.8 | 6.7        |             |      | 7.4        |     | 58.0            |
|                    | 62.0           |      |      |             | 60.0 m/6.8 |     |             |      | 6.4 |     |      |             | 7.0 | 6.0        |             |      | 6.7        | 5.6 | 62.0            |
|                    | 66.0           |      |      |             |            |     |             |      |     |     |      |             |     | 5.4        |             |      | 6.0        | 5.0 | 66.0            |
|                    | 70.0           |      |      |             |            |     |             |      |     |     |      |             |     | 68.0 m/5.1 |             |      | 68.0 m/5.7 | 4.5 | 70.0            |
|                    | 74.0           |      |      |             |            |     |             |      |     |     |      |             |     |            |             |      |            | 4.1 | 74.0            |
|                    | Reeves         |      |      | 3           |            |     |             | 2    |     |     |      | 2           |     |            |             | 2    |            |     | Reeves          |

| 61.0 m Boom Length | 61.0           |      |            |            |            |     |            |             |            |     |      |             |     |            | Boom length (m) |
|--------------------|----------------|------|------------|------------|------------|-----|------------|-------------|------------|-----|------|-------------|-----|------------|-----------------|
|                    | Jib length (m) |      | 51.8       |            |            |     | 57.9       |             |            |     | 61.0 |             |     |            | Jib length (m)  |
|                    | Boom angle     |      | 88°        | 83°        | 68°        | 63° | 88°        | 83°         | 68°        | 63° | 88°  | 83°         | 68° | 63°        | Boom angle      |
|                    |                |      |            |            |            |     |            |             |            |     |      |             |     |            |                 |
| Working Radius (m) | 20.0           | 19.4 |            |            |            |     |            |             |            |     |      |             |     |            | 20.0            |
|                    | 22.0           | 19.1 |            |            |            |     | 15.9       |             |            |     | 14.5 |             |     |            | 22.0            |
|                    | 24.0           | 18.8 |            |            |            |     | 15.7       |             |            |     | 14.3 |             |     |            | 24.0            |
|                    | 26.0           | 18.5 |            |            |            |     | 15.5       |             |            |     | 14.1 |             |     |            | 26.0            |
|                    | 28.0           | 17.5 |            |            |            |     | 15.3       |             |            |     | 13.9 |             |     |            | 28.0            |
|                    | 30.0           | 16.4 | 18.6       |            |            |     | 15.1       | 32.0 m/15.5 |            |     | 13.7 | 32.0 m/14.1 |     |            | 30.0            |
|                    | 34.0           | 14.5 | 16.4       |            |            |     | 13.5       | 14.6        |            |     | 13.0 | 13.6        |     |            | 34.0            |
|                    | 38.0           | 12.9 | 14.5       |            |            |     | 12.2       | 13.0        |            |     | 11.8 | 12.3        |     |            | 38.0            |
|                    | 42.0           | 11.6 | 12.9       |            |            |     | 11.0       | 11.7        |            |     | 10.7 | 11.1        |     |            | 42.0            |
|                    | 46.0           | 10.4 | 11.5       |            |            |     | 10.0       | 10.7        |            |     | 9.8  | 10.2        |     |            | 46.0            |
|                    | 50.0           | 9.5  | 10.3       |            |            |     | 9.0        | 9.7         |            |     | 8.4  | 9.3         |     |            | 50.0            |
|                    | 54.0           | 8.6  | 9.3        | 56.0 m/7.5 |            |     | 7.1        | 8.9         |            |     | 6.3  | 8.6         |     |            | 54.0            |
|                    | 58.0           |      | 8.4        | 7.1        |            |     | 5.3        | 8.2         | 60.0 m/6.3 |     | 4.4  | 7.9         |     |            | 58.0            |
|                    | 62.0           |      | 60.0 m/7.7 | 6.3        |            |     | 60.0 m/4.4 | 6.5         | 6.0        |     | 2.8  | 6.2         | 5.8 |            | 62.0            |
|                    | 66.0           |      |            | 5.6        | 4.4        |     |            | 4.8         | 5.3        |     |      | 4.2         | 5.1 |            | 66.0            |
|                    | 70.0           |      |            | 5.0        | 3.9        |     |            | 4.7         | 3.6        |     |      | 68.0 m/3.2  | 4.6 | 72.0 m/3.2 | 70.0            |
|                    | 74.0           |      |            | 4.5        | 3.5        |     |            | 4.2         | 3.2        |     |      |             | 4.0 | 3.0        | 74.0            |
|                    | 78.0           |      |            |            | 3.1        |     |            | 3.8         | 2.8        |     |      |             | 3.6 | 76.0 m/2.8 | 78.0            |
|                    | 82.0           |      |            |            | 80.0 m/2.9 |     |            |             | 80.0 m/3.6 |     |      |             | 3.2 |            | 82.0            |
|                    | Reeves         |      |            | 2          |            |     |            | 2           |            |     |      | 2           |     |            | Reeves          |

Note:

Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P25 and P26.



# Luffing Boom Lifting Capacities with Luffing Jib Attached at 23 Degree Boom to Luffing Jib Offset Angle

Unit: metric ton

Counterweight: 90.0 t,  
Carbody weight: 24.0 t

| 21.3 m Boom Length | Boom length (m) | 21.3  |       |       |       |       |      |
|--------------------|-----------------|-------|-------|-------|-------|-------|------|
|                    | Jib length (m)  | 21.3  | 30.5  | 39.6  | 48.8  | 57.9  | 61.0 |
|                    | 6.4 m           | 125.0 | 119.0 | 114.1 | 107.5 | 100.3 | 97.2 |
|                    | 7.0 m           | 125.0 | 119.0 | 114.1 | 107.5 | 100.3 | 97.2 |
|                    | 8.0 m           | 125.0 | 119.0 | 114.1 | 107.5 | 100.3 | 97.2 |
|                    | 9.0 m           | 111.7 | 106.6 | 102.7 | 97.3  | 91.6  | 89.1 |
|                    | 10.0 m          | 99.3  | 94.5  | 90.7  | 85.7  | 80.3  | 77.9 |
|                    | 12.0 m          | 72.6  | 68.2  | 64.8  | 61.2  | 55.2  | 53.0 |
|                    | 14.0 m          | 55.3  | 51.3  | 48.0  | 44.7  | 39.1  | 37.2 |
|                    | 16.0 m          | 43.9  | 40.1  | 37.0  | 33.8  | 28.6  | 26.8 |
|                    | 18.0 m          | 35.7  | 32.2  | 29.1  | 26.1  | 21.2  | 19.5 |
|                    | Reeves          | 10    | 10    | 10    | 8     | 8     | 8    |

| 30.5 m Boom Length | Boom length (m) | 30.5  |       |       |       |      |      |
|--------------------|-----------------|-------|-------|-------|-------|------|------|
|                    | Jib length (m)  | 21.3  | 30.5  | 39.6  | 48.8  | 57.9 | 61.0 |
|                    | 8.0 m           | 115.2 | 111.6 | 106.5 | 101.4 | 95.8 | 93.4 |
|                    | 9.0 m           | 107.3 | 103.9 | 99.3  | 94.5  | 89.3 | 87.1 |
|                    | 10.0 m          | 95.7  | 92.5  | 88.1  | 83.7  | 78.8 | 76.7 |
|                    | 12.0 m          | 72.9  | 70.0  | 66.0  | 62.0  | 57.6 | 55.7 |
|                    | 14.0 m          | 55.6  | 53.0  | 49.3  | 45.5  | 41.5 | 39.7 |
|                    | 16.0 m          | 44.0  | 41.6  | 38.1  | 34.5  | 30.7 | 29.1 |
|                    | 18.0 m          | 35.7  | 33.4  | 30.1  | 27.5  | 23.1 | 21.6 |
|                    | 20.0 m          | 29.3  | 27.1  | 23.9  | 21.4  | 17.2 | 15.8 |
|                    | 22.0 m          | 24.2  | 22.2  | 19.0  | 16.7  | 12.6 | 11.2 |
|                    | 24.0 m          | 20.2  | 18.2  | 15.1  | 12.9  | 9.0  | 7.7  |
|                    | Reeves          | 10    | 10    | 8     | 8     | 8    | 7    |

| 36.6 m Boom Length | Boom length (m) | 36.6 |      |      |      |      |      |
|--------------------|-----------------|------|------|------|------|------|------|
|                    | Jib length (m)  | 21.3 | 30.5 | 39.6 | 48.8 | 57.9 | 61.0 |
|                    | 10.0 m          | 93.5 | 89.2 | 84.6 | 80.3 | 75.8 | 73.8 |
|                    | 12.0 m          | 74.5 | 70.6 | 66.4 | 62.6 | 58.5 | 56.7 |
|                    | 14.0 m          | 57.1 | 53.5 | 49.7 | 46.2 | 42.3 | 40.7 |
|                    | 16.0 m          | 45.5 | 42.1 | 38.5 | 35.1 | 31.6 | 30.0 |
|                    | 18.0 m          | 37.1 | 33.9 | 30.4 | 27.3 | 23.9 | 22.4 |
|                    | 20.0 m          | 30.6 | 27.5 | 24.2 | 21.2 | 18.0 | 16.6 |
|                    | 22.0 m          | 25.5 | 22.5 | 19.3 | 16.4 | 13.3 | 12.0 |
|                    | 24.0 m          | 21.3 | 18.4 | 15.3 | 12.6 | 9.6  | 8.3  |
|                    | 26.0 m          | 18.0 | 15.2 | 12.2 | 9.5  | 6.6  |      |
|                    | 28.0 m          | 15.1 | 12.4 | 9.5  | 7.5  |      |      |
|                    | 30.0 m          | 12.9 | 10.2 | 7.4  | 5.5  |      |      |
|                    | Reeves          | 7    | 7    | 7    | 6    | 6    | 6    |

| 42.7 m Boom Length | Boom length (m) | 42.7 |      |      |      |      |      |
|--------------------|-----------------|------|------|------|------|------|------|
|                    | Jib length (m)  | 21.3 | 30.5 | 39.6 | 48.8 | 57.9 | 61.0 |
|                    | 12.0 m          | 71.6 | 67.5 | 63.5 | 59.9 | 55.9 | 54.2 |
|                    | 14.0 m          | 57.3 | 53.5 | 49.8 | 46.5 | 42.9 | 41.3 |
|                    | 16.0 m          | 45.7 | 42.1 | 38.6 | 35.5 | 32.1 | 30.6 |
|                    | 18.0 m          | 37.2 | 33.8 | 30.6 | 27.6 | 24.4 | 23.0 |
|                    | 20.0 m          | 30.6 | 27.4 | 24.2 | 21.4 | 18.3 | 17.0 |
|                    | 22.0 m          | 25.3 | 22.2 | 19.2 | 16.5 | 13.6 | 12.3 |
|                    | 24.0 m          | 21.2 | 18.2 | 15.2 | 12.6 | 9.8  | 8.6  |
|                    | 26.0 m          | 17.8 | 14.9 | 12.0 | 9.5  | 6.8  |      |
|                    | 28.0 m          | 14.9 | 12.1 | 9.3  | 6.9  |      |      |
|                    | 30.0 m          | 12.5 | 9.8  | 7.1  | 5.2  |      |      |
|                    | 32.0 m          | 10.5 | 7.8  | 5.2  |      |      |      |
|                    | 34.0 m          | 8.7  | 6.1  |      |      |      |      |
|                    | Reeves          | 6    | 6    | 5    | 5    | 5    | 5    |

| 48.8 m Boom Length | Boom length (m) | 48.8 |      |      |      |      |      |
|--------------------|-----------------|------|------|------|------|------|------|
|                    | Jib length (m)  | 21.3 | 30.5 | 39.6 | 48.8 | 57.9 | 61.0 |
|                    | 12.0 m          | 65.4 | 61.7 | 57.8 | 54.0 | 49.3 | 47.3 |
|                    | 14.0 m          | 55.8 | 52.5 | 48.5 | 46.2 | 41.8 | 40.3 |
|                    | 16.0 m          | 45.5 | 42.4 | 38.7 | 36.6 | 32.4 | 31.0 |
|                    | 18.0 m          | 37.1 | 34.2 | 30.6 | 28.6 | 24.7 | 23.4 |
|                    | 20.0 m          | 30.4 | 27.7 | 24.3 | 22.4 | 18.7 | 17.4 |
|                    | 22.0 m          | 25.2 | 22.5 | 19.3 | 17.4 | 13.9 | 12.6 |
|                    | 24.0 m          | 21.0 | 18.4 | 15.3 | 13.5 | 10.1 | 8.9  |
|                    | 26.0 m          | 17.6 | 15.1 | 12.1 | 10.3 | 7.0  |      |
|                    | 28.0 m          | 14.7 | 12.2 | 9.3  | 7.6  |      |      |
|                    | 30.0 m          | 12.3 | 9.9  | 7.0  | 5.4  |      |      |
|                    | 32.0 m          | 10.2 | 7.8  | 5.1  |      |      |      |
|                    | 34.0 m          | 8.4  | 6.1  |      |      |      |      |
|                    | 36.0 m          | 6.9  |      |      |      |      |      |
|                    | 38.0 m          | 5.5  |      |      |      |      |      |
|                    | Reeves          | 5    | 5    | 5    | 5    | 4    | 4    |

| 54.9 m Boom Length | Boom length (m) | 54.9 |      |      |      |      |      |
|--------------------|-----------------|------|------|------|------|------|------|
|                    | Jib length (m)  | 21.3 | 30.5 | 39.6 | 48.8 | 57.9 | 61.0 |
|                    | 14.0 m          | 51.2 | 47.7 | 44.6 | 41.6 | 37.3 | 35.8 |
|                    | 16.0 m          | 44.4 | 41.1 | 38.3 | 35.4 | 31.4 | 30.0 |
|                    | 18.0 m          | 37.1 | 34.0 | 31.3 | 28.6 | 24.8 | 23.5 |
|                    | 20.0 m          | 30.4 | 27.4 | 24.9 | 22.3 | 18.7 | 17.5 |
|                    | 22.0 m          | 25.2 | 22.3 | 19.8 | 17.4 | 13.9 | 12.7 |
|                    | 24.0 m          | 21.0 | 18.2 | 15.8 | 13.4 | 10.1 | 9.0  |
|                    | 26.0 m          | 17.5 | 14.7 | 12.5 | 10.2 | 7.0  | 5.9  |
|                    | 28.0 m          | 14.6 | 12.0 | 9.8  | 7.5  |      |      |
|                    | 30.0 m          | 12.1 | 9.5  | 7.4  | 5.2  |      |      |
|                    | 32.0 m          | 10.0 | 7.5  | 5.4  |      |      |      |
|                    | 34.0 m          | 8.2  | 5.7  |      |      |      |      |
|                    | 36.0 m          | 6.6  |      |      |      |      |      |
|                    | 38.0 m          | 5.2  |      |      |      |      |      |
|                    | Reeves          | 4    | 4    | 4    | 4    | 3    | 3    |

| 61.0 m Boom Length | Boom length (m) | 61.0 |      |      |      |      |
|--------------------|-----------------|------|------|------|------|------|
|                    | Jib length (m)  | 30.5 | 39.6 | 48.8 | 57.9 | 61.0 |
|                    | 14.0 m          | 46.2 | 43.6 | 40.0 | 35.8 | 34.3 |
|                    | 16.0 m          | 38.4 | 35.6 | 32.8 | 28.9 | 27.6 |
|                    | 18.0 m          | 32.6 | 30.0 | 27.4 | 23.7 | 22.4 |
|                    | 20.0 m          | 27.2 | 24.7 | 22.2 | 18.7 | 17.5 |
|                    | 22.0 m          | 22.1 | 19.7 | 17.4 | 14.0 | 12.9 |
|                    | 24.0 m          | 17.9 | 15.6 | 13.3 | 10.1 | 9.0  |
|                    | 26.0 m          | 14.6 | 12.3 | 10.2 | 7.0  | 6.0  |
|                    | 28.0 m          | 11.7 | 9.6  | 7.4  |      |      |
|                    | 30.0 m          | 9.3  | 7.2  | 5.1  |      |      |
|                    | 32.0 m          | 7.3  | 5.2  |      |      |      |
|                    | 34.0 m          | 5.5  |      |      |      |      |
|                    | Reeves          | 4    | 4    | 3    | 3    | 3    |

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P25 and P26.

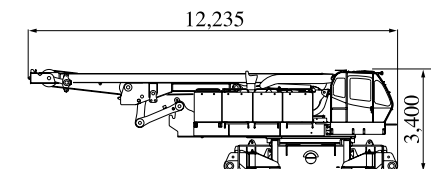
[illegible]

# PARTS AND ATTACHMENTS

## Base Machine

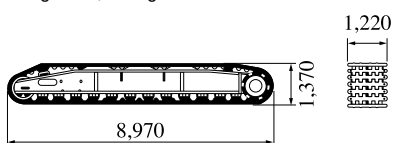
With trans-lifter, main and aux. winches (non-free fall) including wire rope and boom hoist winch including wire rope

Weight: 44,900 kg Width: 3,400 mm



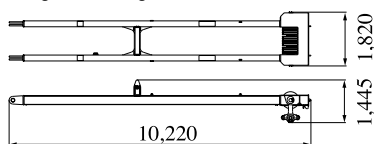
## Crawler

Weight: 20,700 kg



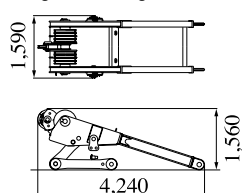
## Mast

Weight: 2,870 kg

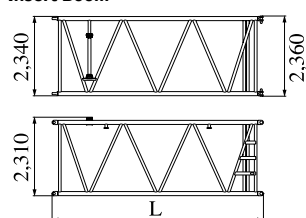


## Gantry

Weight: 3,020 kg



## Insert Boom

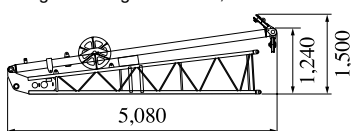


|       | L (mm) | Weight (kg)* |
|-------|--------|--------------|
| 3.0m  | 3,175  | 890          |
| 6.1m  | 6,220  | 1,440        |
| 12.2m | 12,320 | 2,540        |

\*with boom guy cables

## Jib Base with Strut (For Crane)

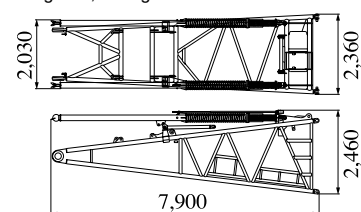
Weight: 510 kg Width: 1,040 mm



Dimensions: mm Weight: kg

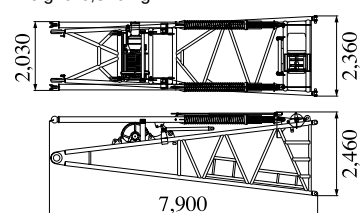
## Boom Base

Weight: 4,665 kg



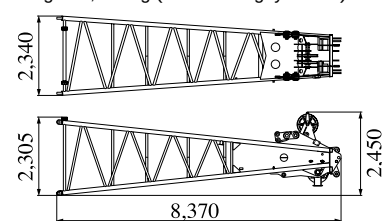
## Boom Base (with Winch)

Weight: 6,810 kg



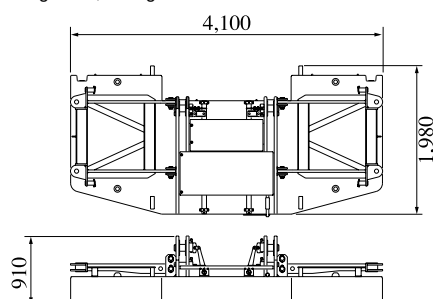
## Boom Top

Weight: 3,720 kg (with boom guy cables)



## Counterweight A

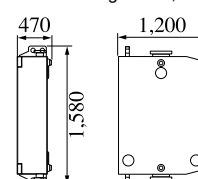
Weight: 11,040 kg



## Counterweight B, C

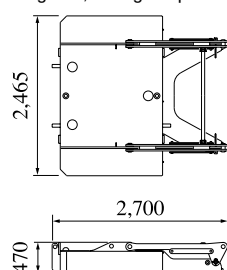
Weight:

Counterweight B: 5,625 kg x 7 pieces  
Counterweight C: 5,625 kg x 7 pieces



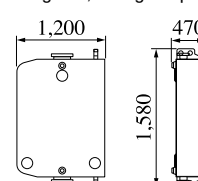
## Carbodyweight A

Weight: 6,350 kg x 2 pieces



## Carbodyweight B

Weight: 5,625 kg x 2 pieces

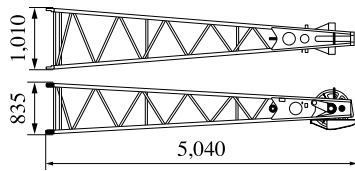


# HYDRAULIC CRAWLER CRANE CKE2500

Dimensions: mm Weight: kg

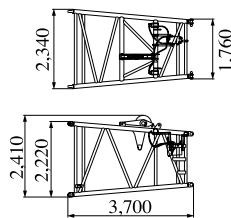
## Jib Top (For Crane)

Weight: 315 kg



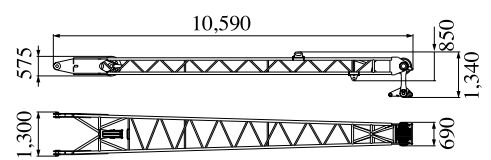
## Luffing Tapered Boom

Weight: 1,190 kg



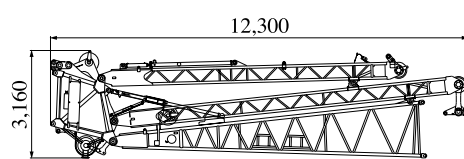
## Front Strut (Luffing Jib)

Weight: 1,410 kg



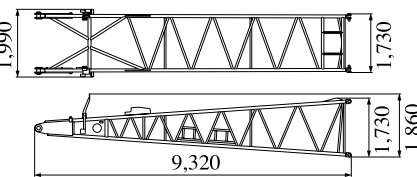
## Travel Kit Assembly

Weight: 6,730 kg



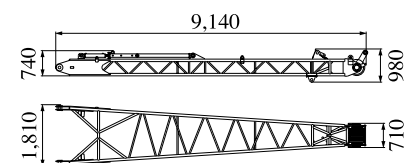
## Luffing Jib Base

Weight: 1,470 kg



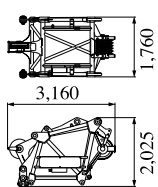
## Rear Strut (Luffing Jib)

Weight: 1,510 kg



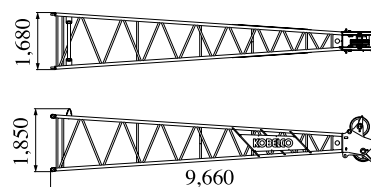
## Luffing Boom Top

Weight: 2,085 kg



## Luffing Jib Top

Weight: 1,400 kg



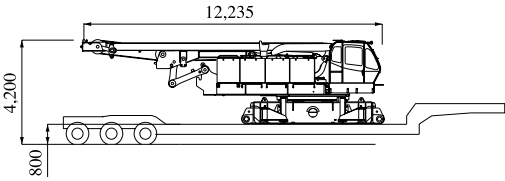
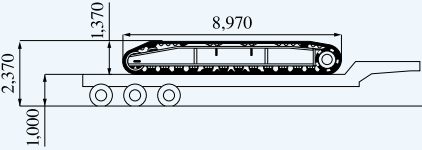
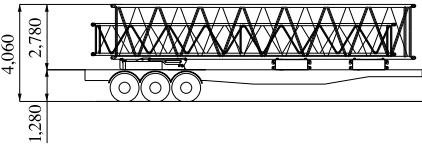
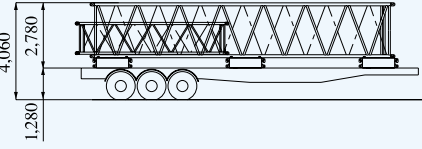
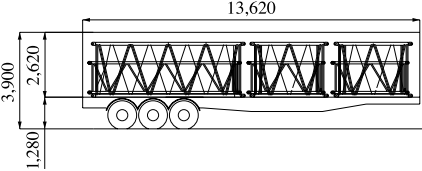
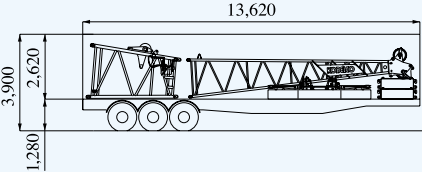
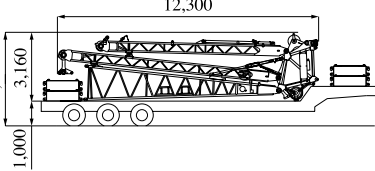
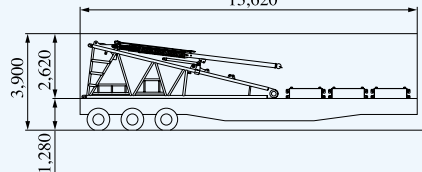
## Other Attachments

| Attachments                                      | Weight                     | Dimensions (L x W x H)                  |
|--------------------------------------------------|----------------------------|-----------------------------------------|
| 3.0 m insert jib (for crane)                     | 110 kg                     | 3,130 mm x 1,020 mm x 840 mm            |
| 6.1 m insert jib (for crane)                     | 190 kg                     | 6,175 mm x 1,020 mm x 840 mm            |
| Relay jib                                        | 400 kg (with guy cables)   | 3,170 mm x 1,670 mm x 1,690 mm          |
| Tapered boom with idler sheave & link (for long) | 1,170 kg                   | 4,905 mm x 2,340 mm x 2,360 mm          |
| 3.0 m luffing insert jib                         | 420 kg (with guy cables)   | 3,160 mm x 1,670 mm x 1,690 mm          |
| 6.1 m luffing insert jib                         | 670 kg (with guy cables)   | 6,210 mm x 1,670 mm x 1,690 mm          |
| 12.2 m luffing insert jib                        | 1,170 kg (with guy cables) | 12,310 mm x 1,670 mm x 1,690 mm         |
| Jib backstop (for luffing)                       | 260 kg                     | 3,580 mm x 250 mm x 280 mm (x 2 pieces) |
| Strut backstop (for luffing)                     | 255 kg                     | 3,390 mm x 210 mm dia. (x 2 pieces)     |
| Auxiliary sheave (for crane)                     | 290 kg                     | 2,010 mm x 720 mm x 735 mm              |
| Auxiliary sheave (for luffing)                   | 380 kg                     | 1,070 mm x 910 mm x 890 mm              |
| Luffing jib drum                                 | 2,050 kg (with wire rope)  | 1,780 mm x 1,190 mm x 1,040 mm          |
| 250-ton hook                                     | 4,200 kg                   | 2,310 mm x 1,620 mm x 720 mm            |
| 150-ton hook                                     | 2,300 kg                   | 2,250 mm x 715 mm x 700 mm              |
| 70-ton hook                                      | 1,200 kg                   | 1,825 mm x 380 mm x 700 mm              |
| 35-ton hook                                      | 900 kg                     | 1,575 mm x 365 mm x 700 mm              |
| Ball hook                                        | 450 kg                     | 1,200 mm x 380 mm dia.                  |

Note: Estimated weights may vary  $\pm 2\%$ .

# TRANSPORTATION PLAN

## Luffing Boom 61.0 m + Luffing Jib 61.0 m

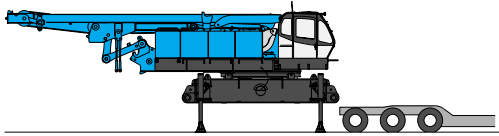
| Configuration                                                                                                                | Description                                                                                                                                                     | Total Weight                                                         |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>No.1 Low Loader</b><br>                  | Base Machine =<br>With trans-lifter, main and aux.<br>winches (non-free fall) including<br>wire rope, boom hoist winch including<br>wire rope                   | 44.90 ton                                                            |
| <b>No.2 Semi Loader</b><br>                 | Crawler = (2 x 20.7 ton)                                                                                                                                        | 41.40 ton                                                            |
| <b>No.3 &amp; No.4 Flat Bed Trailer</b><br> | Carbodyweight A x 1 =<br>Counterweight (2 x 5.63 ton) =<br>12.2 m Insert Boom x 1 =<br>12.2 m Luffing Insert Jib x 1 =<br>Total =                               | 6.35 ton<br>11.26 ton<br>2.54 ton<br>1.17 ton<br>21.32 ton           |
| <b>No.5 Flat Bed Trailer</b><br>          | Counterweight (3 x 5.63 ton) =<br>12.2 m Insert Boom x 1 =<br>6.1 m Luffing Insert Jib x 1 =<br>Total =                                                         | 16.89 ton<br>2.54 ton<br>0.67 ton<br>20.10 ton                       |
| <b>No.6 Tent Side Truck</b><br>           | 3.0 m Insert Boom (2 x 0.89 ton) =<br>6.1 m Insert Boom x 1 =<br>6.1 m Luffing Insert Jib x 1 =<br>3.0 m Luffing Insert Jib x 1 =<br>Relay Jib x 1 =<br>Total = | 1.78 ton<br>1.44 ton<br>0.67 ton<br>0.42 ton<br>0.40 ton<br>4.71 ton |
| <b>No.7 Tent Side Truck</b><br>           | Luffing Jib Top x 1 =<br>Luffing Tapered Boom x 1 =<br>Counterweight (2 x 5.63 ton) =<br>Counterweight A x 1 =<br>Total =                                       | 1.40 ton<br>1.19 ton<br>11.26 ton<br>11.04 ton<br>24.89 ton          |
| <b>No.8 Semi Loader</b><br>               | Travel Kit Assembly =<br>Counterweight (2 x 5.63 ton) =<br>Carbodyweight B (2 x 5.63 ton) =<br>Total =                                                          | 6.73 ton<br>11.26 ton<br>11.26 ton<br>29.25 ton                      |
| <b>No.9 Tent Side Truck</b><br>           | Boom Base x 1 =<br>Counterweight (3 x 5.63 ton) =<br>Total =                                                                                                    | 6.81 ton<br>16.89 ton<br>23.70 ton                                   |

Note: Estimated weights may vary  $\pm$  2%.

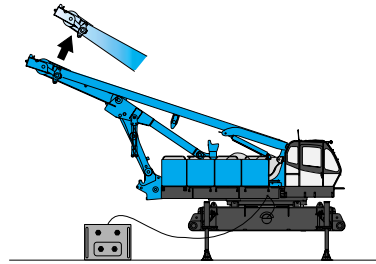
This transportation plan depends on specifications of your trailers/trucks and the areas or countries where you transport.

# SELF-REMOVAL DEVICE

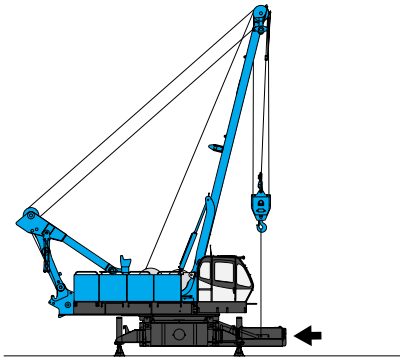
1



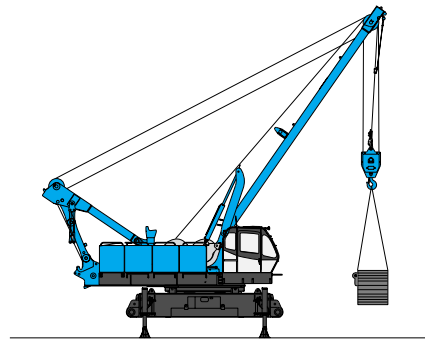
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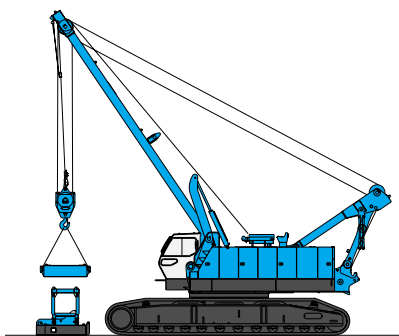
3



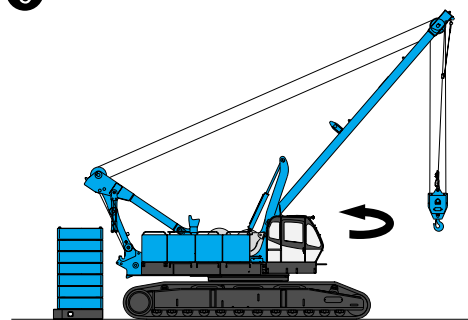
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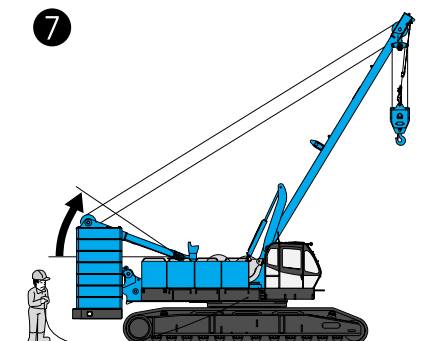
5



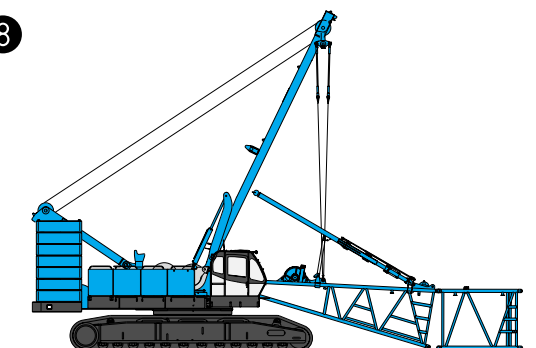
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HYDRAULIC CRAWLER CRANE

**CKE2500**

## Standard Equipment

### Upper structure/Lower structure

Counterweight: 90.0 ton (total weight)  
 Carbody weight: 24.0 ton (total weight)  
 1,220 mm shoe crawlers  
 Batteries (170Ah/20HR)  
 Trans-lifter (jack system)  
 Gantry raising/lowering cylinder  
 Electric hand throttle grip  
 Variable boom hoist speed controller  
 Variable main/aux. hoist speed controller  
 Swing neutral-free/brake select switch  
 Side deck for cab  
 Side deck (right side guard)  
 Steps (crawlers)  
 Two front working lights  
 Tools (for routine maintenance)  
 Two rear view mirrors  
 Electric fuel pump  
 Counterweight self removal  
 Crawler self removal  
 Base boom self removal  
 Cable roller (for boom)

### Cab/Control

Boom hoist pedal (EU area only)  
 Air conditioner  
 Cup holder  
 Ashtray  
 Cigar lighter  
 Intermittent wiper & window washer (skylight and front window)  
 Sun visor  
 Roof blind  
 Floor mat (cloth)  
 Foot rest  
 Shoe tray  
 Level gauge (operator cabin)

### Safety Device

Load Moment Indicator (with boom lowering slow stop function)  
 LMI release key (for hook over-hoist prevention device and boom over-hoist prevention device)  
 LCD multi display  
 Ultimate stop function for boom over-hoist  
 Function lock lever  
 Propel lever lock  
 Mechanical drum lock pawl (main, aux. and boom hoist)  
 Signal horn  
 Swing parking brake  
 Mechanical swing lock pin (four positions)  
 Swing flashers/warning buzzer  
 Cab window guard (left side)  
 Cab top guard  
 Fire extinguisher  
 External lamp for over-load alarm  
 Life hammer

**Note:** Standard equipment may vary depending on your areas or countries.

Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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