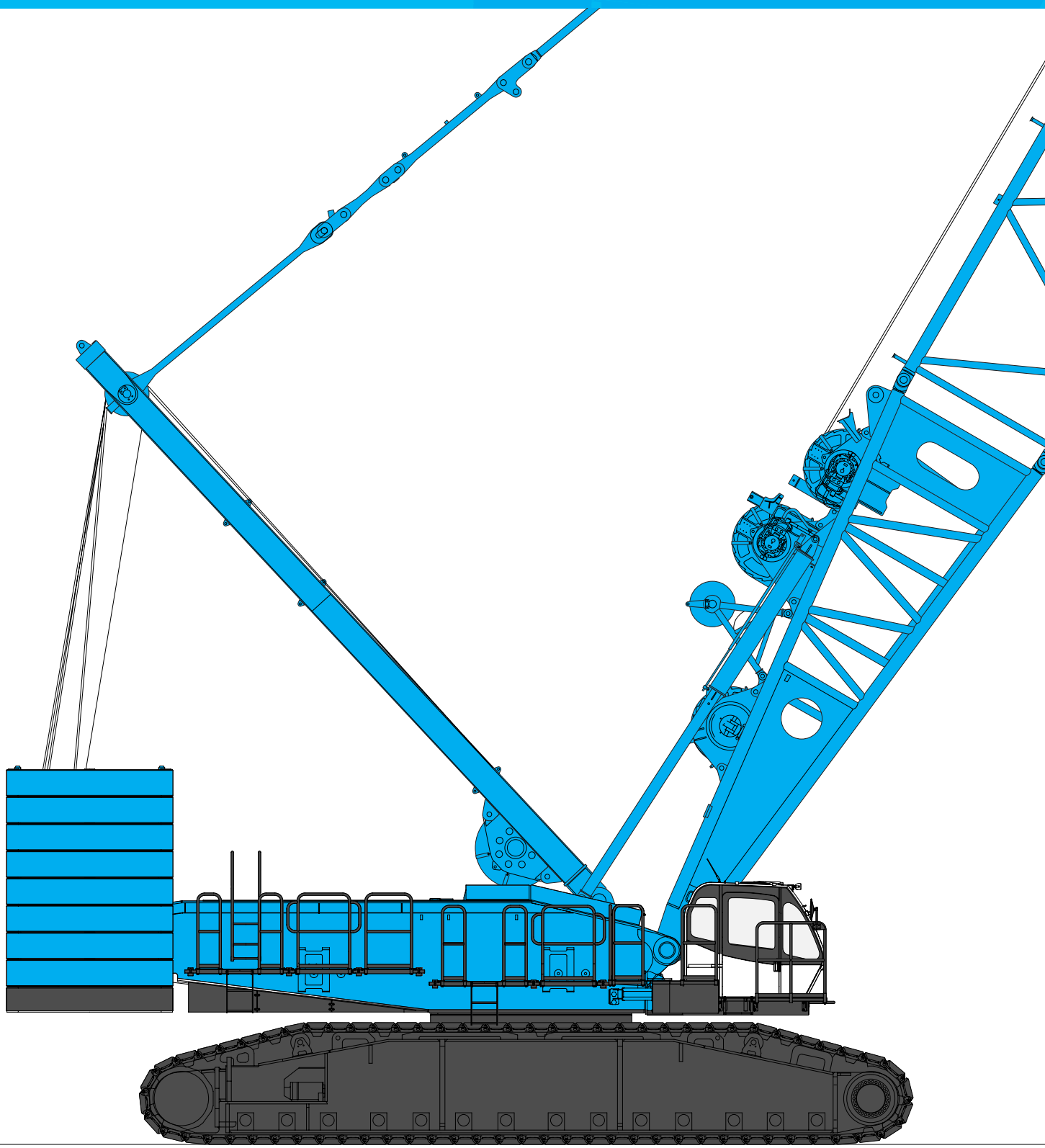
KOBELCO

# HYDRAULIC CRAWLER CRANE

# SL6000

Model: SL6000



**Max. Lifting Capacity: 550 ton x 8.3 m**
**Max. Crane Boom Length: 126 m**
**Max. Luffing Jib Combination: 84 m + 84 m**

# CONFIGURATION

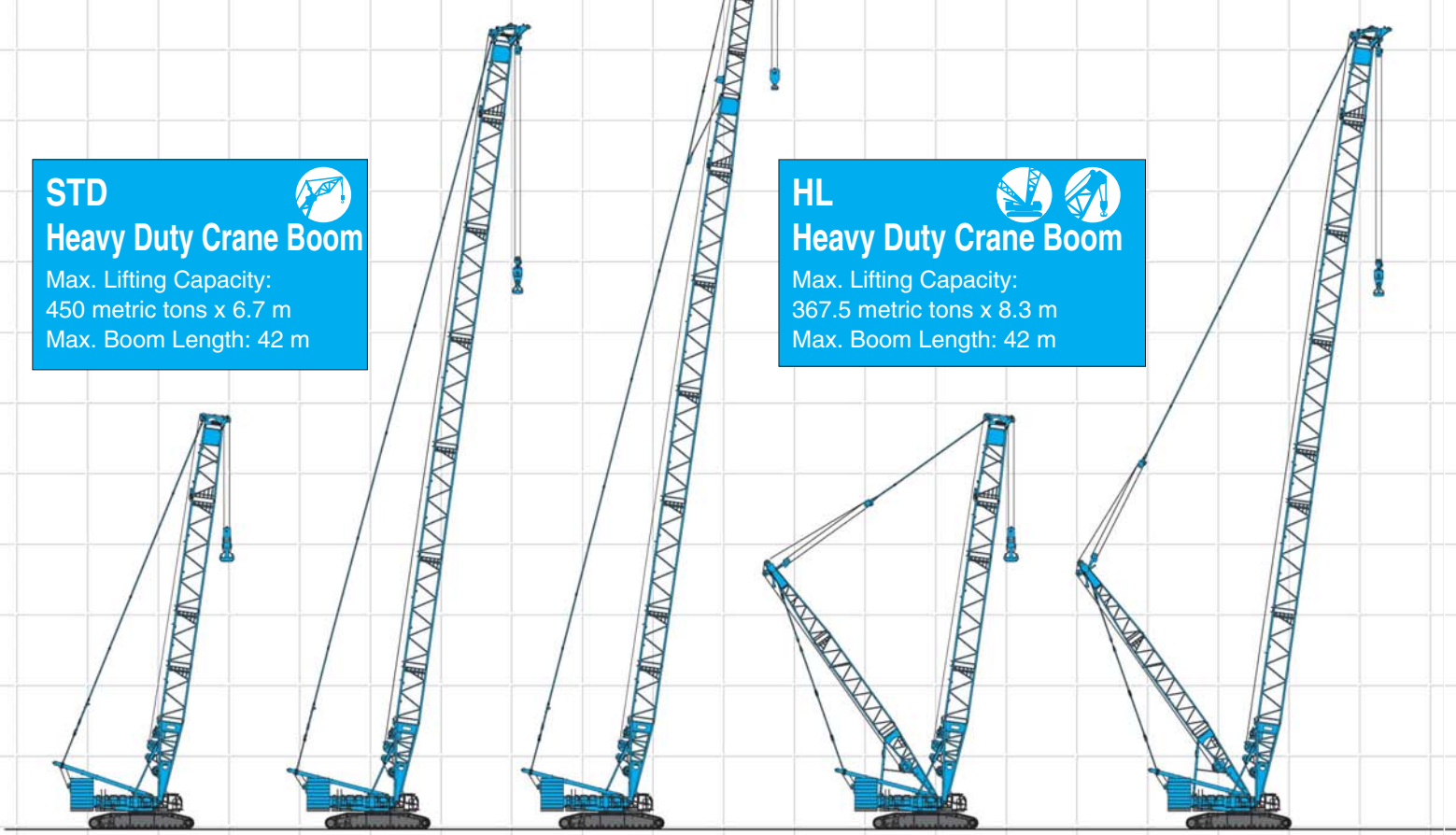
**STD**
**Long Boom**
Max. Lifting Capacity:
98 metric tons x 15.0 m
Max. Boom Length: 108 m

**STD**
**Luffing Boom**
Max. Lifting Capacity:
300 metric tons x 9.0 m
Max. Boom Length: 84 m

**HL**
**Luffing Boom**
Max. Lifting Capacity:
300 metric tons x 8.5 m
Max. Boom Length: 84 m

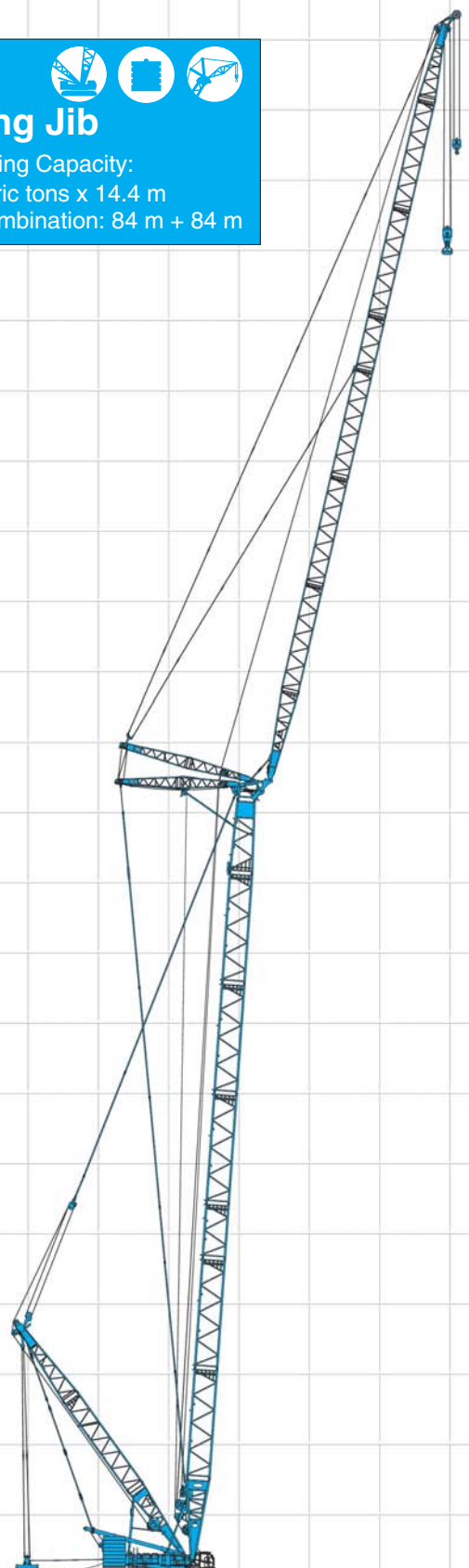
**STD**
**Heavy Duty Crane Boom**
Max. Lifting Capacity:
450 metric tons x 6.7 m
Max. Boom Length: 42 m

**HL**
**Heavy Duty Crane Boom**
Max. Lifting Capacity:
367.5 metric tons x 8.3 m
Max. Boom Length: 42 m



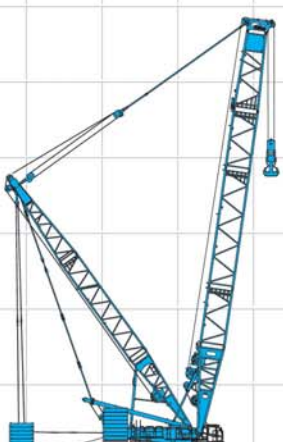
## SHL Luffing Jib

Max. Lifting Capacity:
200 metric tons x 14.4 m
Max. Combination: 84 m + 84 m



## SHL Heavy Duty Crane Boom

Max. Lifting Capacity:
550 metric tons x 8.3 m
Max. Combination: 42 m



The following abbreviations are used throughout this catalog:
STD: Standard HL: Heavy Lift SHL: Super Heavy Lift

# CONFIGURATION

**STD**

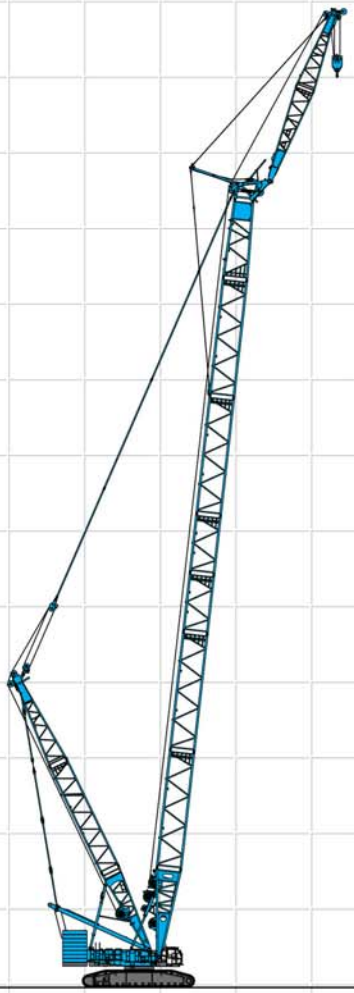
## Heavy Fixed Jib (Type A)

Max. Lifting Capacity:
105 metric tons x 20.0 m
Max. Combination: 78 m + 18 m

**HL**

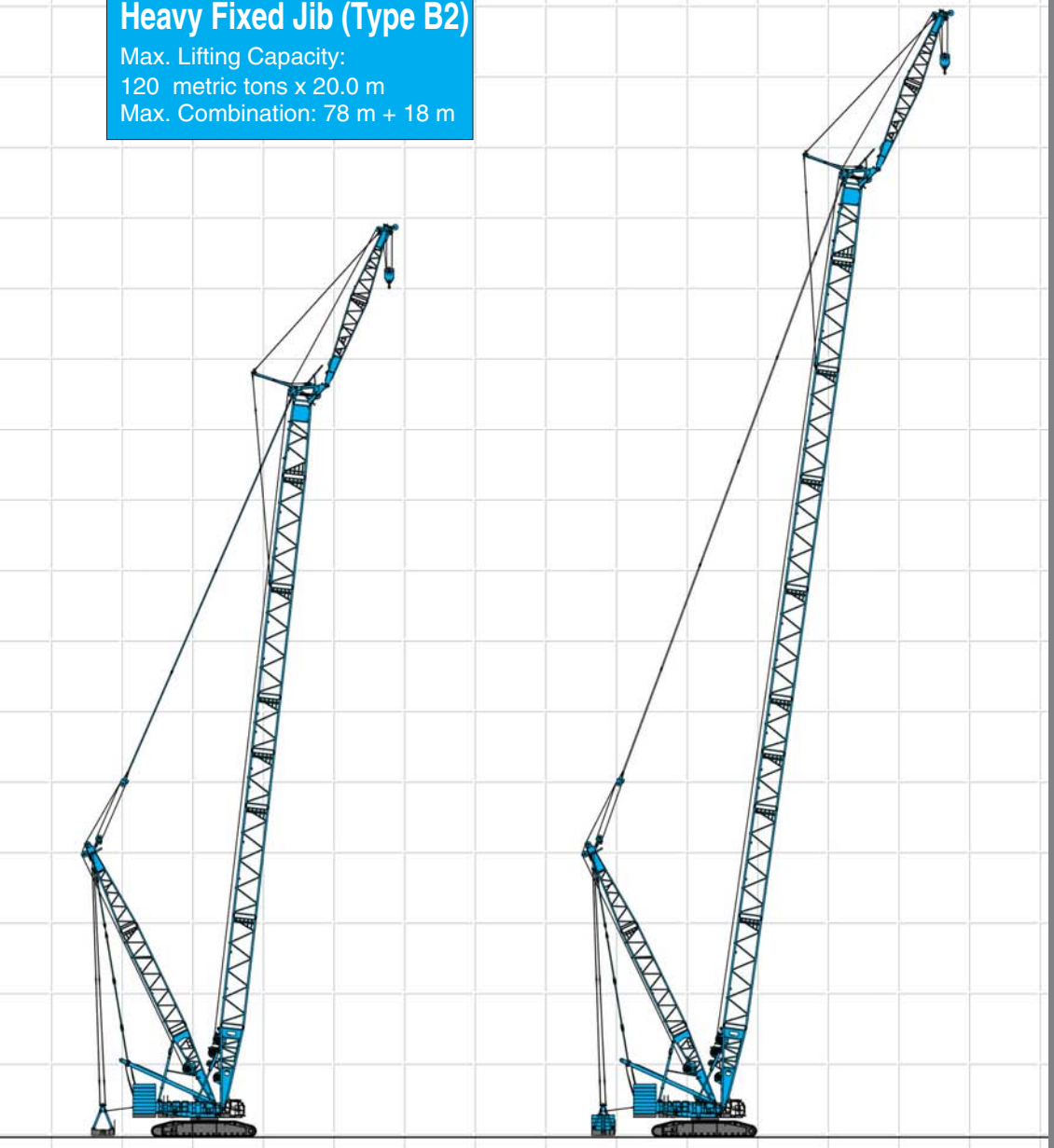
## Heavy Fixed Jib (Type B1)

Max. Lifting Capacity:
120 metric tons x 20.0 m
Max. Combination: 78 m + 18 m



**SHL**
## Heavy Fixed Jib (Type B2)
Max. Lifting Capacity:
120 metric tons x 20.0 m
Max. Combination: 78 m + 18 m

**SHL**
## Heavy Fixed Jib (Type C)
Max. Lifting Capacity:
105 metric tons x 30.0 m
Max. Combination: 102m + 18 m



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# SPECIFICATIONS

## Power Plant

**Model:**Hino diesel engine E13C-UV
**Type:**Water-cooled, direct fuel injection, with turbocharger
Complies with US EPA Tier III.
**Displacement:** 12.913 liters
**Rated Power:** 320 kW/2,000 $min^{-1}$
**Max. torque:** 1,650 N•m/1,300 $min^{-1}$
**Cooling system:** Liquid, recirculating bypass
**Starter:** 24 V/6 kW
**Radiator:** Corrugated type core, thermostatically controlled
**Air cleaner:** Dry type with replaceable paper element
**Throttle:** Twist grip type hand throttle, electrically actuated
**Fuel filter:** Replaceable paper element
**Batteries:** Two 12V x 136Ah/5HR capacity batteries, parallel connected.
**Fuel tank capacity:** 600 liters

## Hydraulic System

Six variable displacement piston pumps are driven by heavy-duty pump drive. Two variable displacement pumps are used in H1 (main hook hoist) and right hand side propel circuit. Two variable displacement pumps are used in H2 (auxiliary hook hoist) and left hand side propel circuit. One of the other two pumps is used in W1 (boom), W2 (jib) or W3 (SHL mast) hoist circuit, and the other is used in the swing circuit.
**Control:** Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing.
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:** 31.9 MPa {325 $kgf/cm^2$}
**Reservoir capacity:** 710 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 28 mm dia. wire rope.
**Line speed:** Double line on first drum layer
**Hoisting/Lowering:** 20~2 m/min x 2
**Boom hoist reeving:** 30 parts of 28 mm dia.high strength wire rope
**Boom backstops:** Required for all boom lengths

## Load Hoist System

H1 and H2 drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.
**Brake:** A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve.
**Drum lock:** External ratchet for locking drum.
**Drums:**
**H1 and H2:**
640 mm P.C.D. x 1,367.1 mm Lg. wide drum, grooved for 28 mm wire rope. Rope capacity is 830 m working length and 1,080 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:** 110 ~ 3 m/min
Single line on the first layer
**Rated line pull:** 137 kN {14.0 tf}

## Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (4 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:** Triple-row roller bearing with an integral internally cut swing gear.
**Swing speed:** 0.9 $min^{-1}$ {rpm}

## Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine with low noise level.

## 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:**
Five adjustable levers for all winches and swing controls

## 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.

**Crawler drive:** Two 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.

**Shoes (flat):** 1,500 mm wide each crawler

**Max. travel speed:** 1.0/0.4 km/h

**Max. gradeability:** 20%

## Weight

Including base machine, counterweights = 180 t, carbody weights = 50 t, 24 m boom with heavy boom tip and 450 t hook block. Not include quick connection devise and upper translifter.

**Weight:** 424 metric ton

**Ground pressure:** 136 kPa {1.4 kgf/cm²}

## Attachment

**Boom and Jib:**

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

Boom and Jib Length

| | Min. Length (Min. Combination) | Max. Length (Max. Combination) |
|---|---|---|
| **STANDARD** | | |
| Crane Boom | 24 m | 108 m |
| Heavy Fixed Jib | 66 m + 18 m | 78 m + 18 m |
| Luffing Jib | 30 m + 24 m | 60 m + 72 m |
| **HEAVY LIFT** | | |
| Crane Boom | 36 m | 108 m |
| Heavy Fixed Jib | 66 m + 18 m | 78 m + 18 m |
| Luffing Jib | 36 m + 24 m | 66 m + 72 m |
| **SUPER HEAVY LIFT** | | |
| Crane Boom | 36 m | 126 m |
| Heavy Fixed Jib | 66 m + 18 m | 78 m + 18 m |
| | 84 m + 18 m | 102 m + 18 m |
| Luffing Jib | 36 m + 24 m | 84 m + 84 m |

## Main Specifications (Model: SL6000)

| **Lift Enhancer** | STD | HL | SHL | |
|---|---|---|---|---|
| HL Mast | - | 30 m | 30 m | |
| Additional Weight | - | - | ~250 t | |
| **Heavy Duty Crane Boom** | | | | |
| Max. Lifting Capacity | 450 t | 367.5 t | 550 t | |
| | 6.7 m | | | |
| Length | 24 ~ 42 m | 36 ~ 42 m | 36 ~ 42 m | |
| **Crane Boom** | | | | |
| Max. Lifting Capacity | 300 t | 300 t | 300 t | |
| | 9 m | | | |
| Length | 30 ~ 84 m | 36 ~ 84 m | 36 ~ 84 m | |
| **Long Boom** | | | | |
| Length | 90 ~ 108 m | 90 ~ 108 m | 90 ~ 126 m | |
| **Heavy Fixed Jib** | | | *1 | *2 |
| Max. Lifting Capacity | 105 t | 120 t | 120 t | 105 t |
| Max. Combination (Boom) | 78 m | 78 m | 78 m | 102 m |
| (Jib) | 18 m | 18 m | 18 m | 18 m |
| **Luffing Jib** | | | | |
| Max. Lifting Capacity | 184 t | 200 t | 200 t | |
| Max. Combination (Boom) | 60 m | 66 m | 84 m | |
| (Jib) | 72 m | 72 m | 84 m | |
| Luffing Angle | 66° ~ 86° | | | |

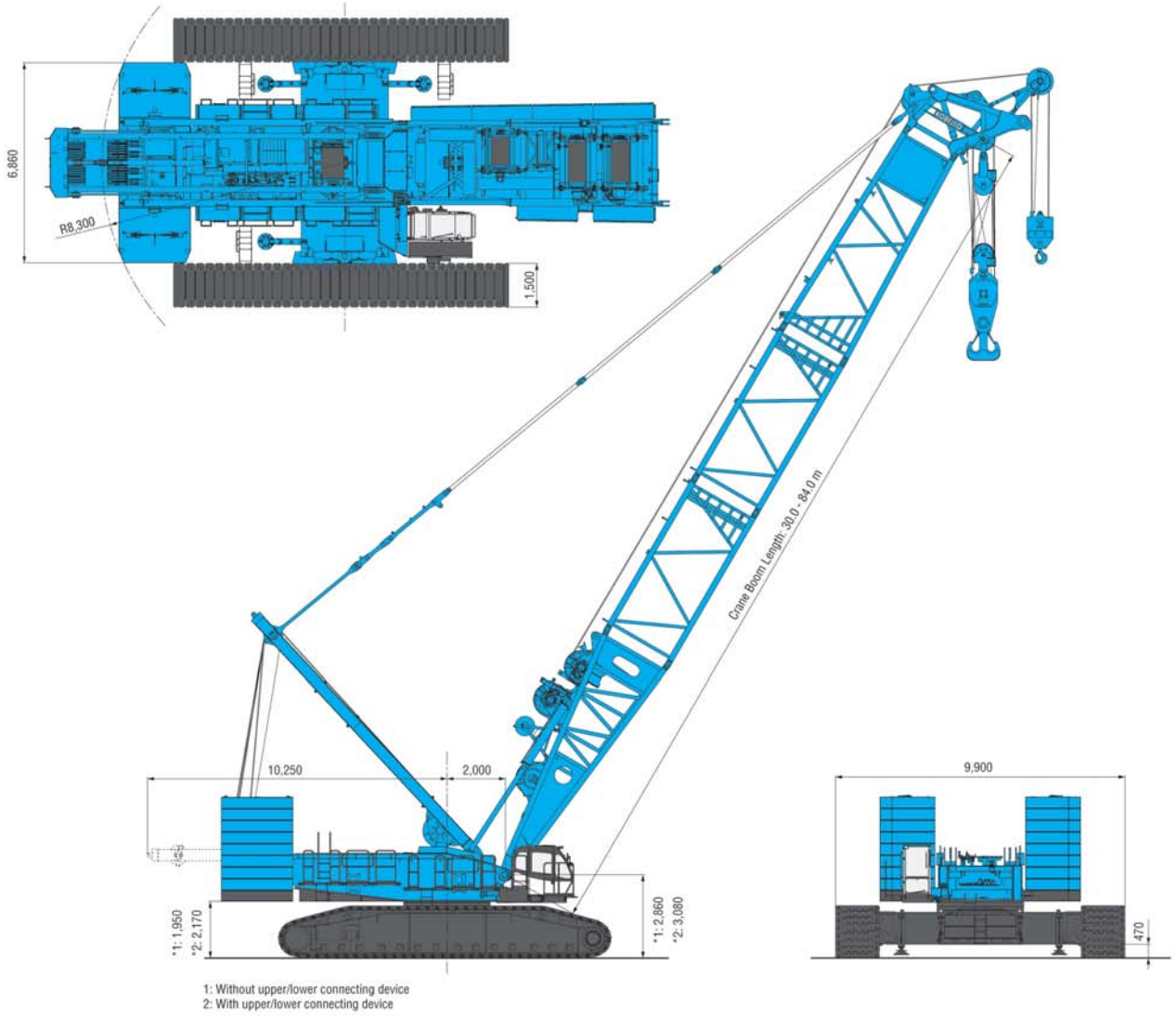
| **Power Plant** | |
|---|---|
| Model | Hino E13C-UV |
| Engine Output | 320 kW/2,000 min⁻¹ {rpm} |
| Fuel Tank Capacity | 600 liters |
| **Hoist Winch (H1, H2)** | |
| Max. Line Speed | 110 m/min (1st layer) |
| Rated Line Pull (Single line) | 137 kN {14.0 tf} |
| Wire Rope Diameter | 28 mm |
| Wire Rope Length | 830 m |
| **Working Speed** | |
| Swing | 0.9 min⁻¹ {rpm} |
| Travel | 1.0/0.6 km/h |
| **Hydraulic System** | |
| Pumps | 6 variable displacement |
| Max. Pressure | 31.9 MPa {325 kgf/cm²} |
| Hydraulic Tank Capacity | 710 liters |
| **Weight** | |
| Working Weight*3 | Approx. 424 t |
| Ground Pressure*3 | 136 kPa {1.4 kgf/cm²} |
| Counterweight | Upper: 180 metric tons |
| | Lower: 50 metric tons |

*1 Heavy Fixed Jib Type B2
*2 Heavy Fixed Jib Type C
*3 Including base machine, counterweights =180 metric ton, carbody weights = 50 metric ton, 24 m boom with heavy boom tip and 450 metric ton hook block. Not include quick connection device and upper translifter.

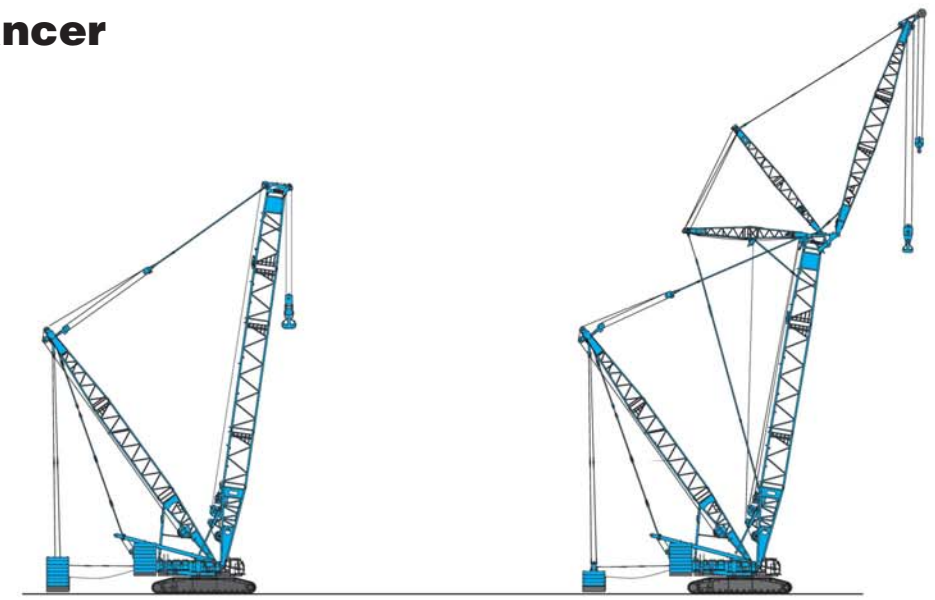
# GENERAL DIMENSIONS

## Crane Boom

Unit: mm



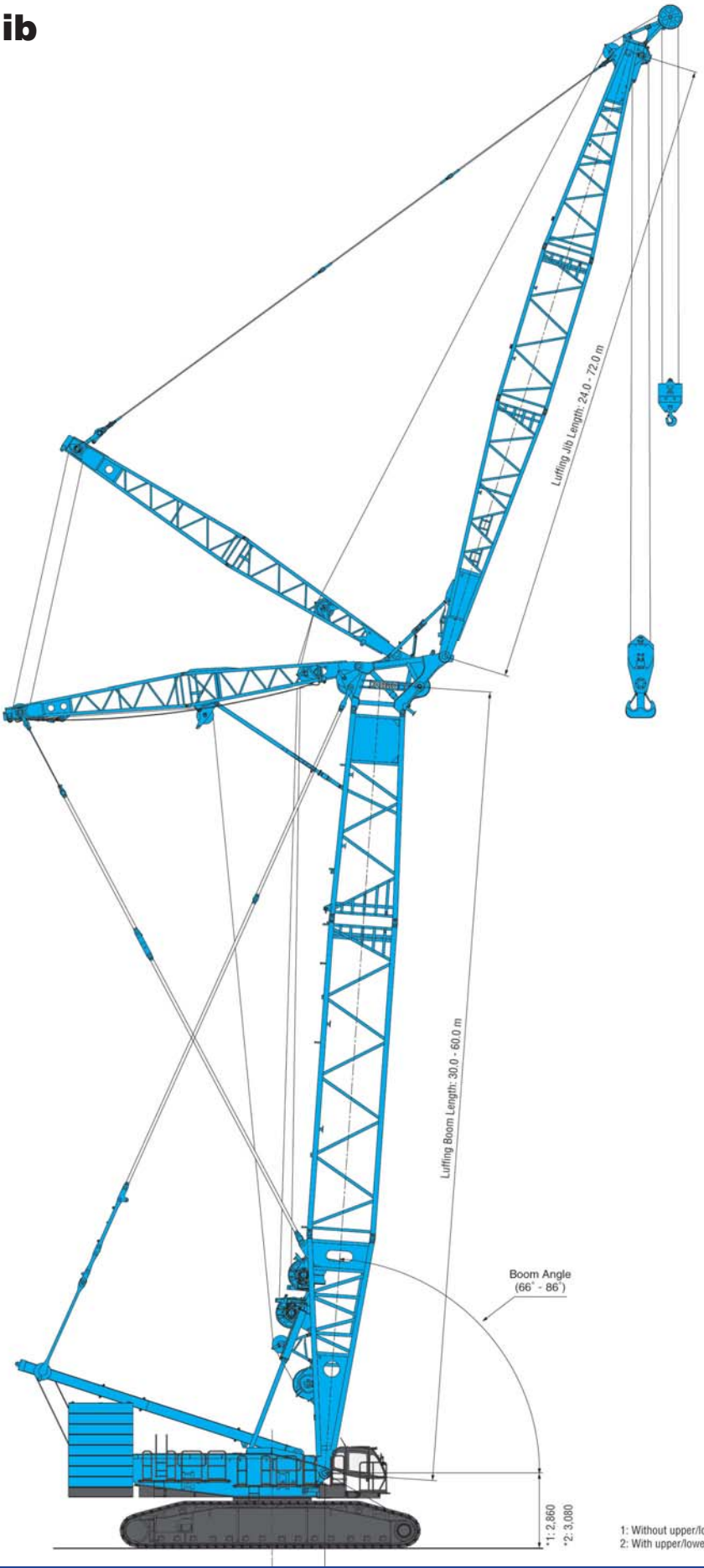

## Lift Enhancer



SHL CRANE SHL LUFFING

# Luffing Jib

Unit: mm



# STANDARD

# BOOM AND JIB ARRANGEMENTS

## Heavy Duty Crane Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|---|---|
| 24 (79) | ※ L 6.0 8T HU |
| 30 (98) | ※ L 6.0 6.0 8T HU<br>L 12.0 8T HU |
| 36 (118) | ※ L 6.0 12.0 8T HU |
| 42 (138) | ※ L 6.0 6.0 12.0 8T HU<br>L 12.0 12.0 8T HU |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| HU | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter hevy duty boom arrangements.

## Luffing Boom Arrangements for Crane

| Boom length m (ft) | Boom arrangement |
|---|---|
| 30 (98) | ※ L 6.0 6.0 8T LU<br>L 12.0 8T LU |
| 36 (118) | ※ L 6.0 12.0 8T LU |
| 42 (138) | ※ L 6.0 6.0 12.0 8T LU<br>L 12.0 12.0 8T LU |
| 48 (157) | ※ L 6.0 12.0 12.0 8T LU |
| 54 (177) | ※ L 6.0 6.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 8T LU |
| 60 (197) | ※ L 6.0 12.0 12.0 12.0 8T LU |
| 66 (217) | ※ L 6.0 6.0 12.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 12.0 8T LU |
| 72 (236) | ※ L 6.0 12.0 12.0 12.0 12.0 8T LU |
| 78 (256) | ※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 12.0 12.0 8T LU |
| 84 (276) | ※ L 6.0 12.0 12.0 12.0 12.0 12.0 8T LU |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| LU | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

## Long Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|---|---|
| 90 (295) | L 6.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 JU |
| 96 (315) | ※ L 6.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 6.0 JU<br>L 6.0 12.0 12.0 12.0 12.0 8T 5.0 12.0 JU |
| 102 (335) | ※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 6.0 JU<br>L 12.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 6.0 JU<br>L 6.0 6.0 12.0 12.0 12.0 12.0 8T 5.0 12.0 JU<br>L 12.0 12.0 12.0 12.0 12.0 8T 5.0 12.0 JU |
| 108 (354) | ※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 12.0 JU<br>L 12.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 12.0 JU |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| 5.0 | 5.0 m (16.4 ft) | Luffing Insert Jib |
| 6.0 | 6.0 m (19.7 ft) | Luffing Insert Jib |
| 12.0 | 12.0 m (39.4 ft) | Luffing Insert Jib |
| JU | 8.0 m (26.2 ft) | Jib Top |

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

# Heavy Fixed Jib Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|---|---|
| 66 (217) | ※ L 6.0 6.0 12.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 12.0 8T LU |
| 72 (236) | ※ L 6.0 12.0 12.0 12.0 12.0 8T LU |
| 78 (256) | ※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 12.0 12.0 8T LU |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| LU | 1.0 m (3.3 ft) | Boom Top |

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

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

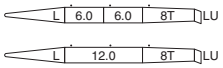
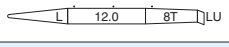
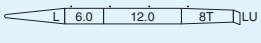
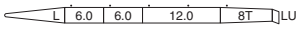
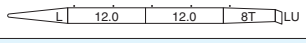
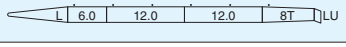
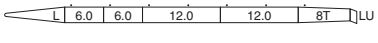
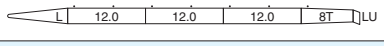
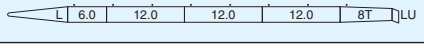
# Heavy Fixed Jib Arrangements

| Jib length m (ft) | Jib arrangement |
|---|---|
| 18 (59) | JL JU |

| Symbol | Jib Length | Remarks |
|---|---|---|
| JL | 10.0 m (32.8 ft) | Jib Base |
| JU | 8.0 m (26.2 ft) | Jib Top |

# STANDARD

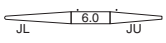
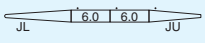
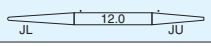
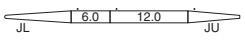
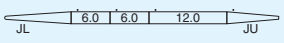
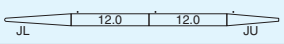
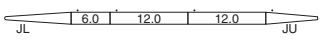
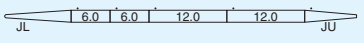
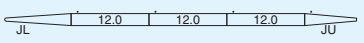
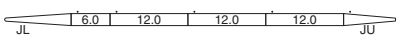
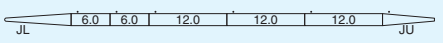
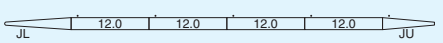
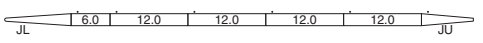
## Luffing Boom Arrangements for Luffing

| Boom length m (ft) | Boom arrangement |
|---|---|
| 30 (98) | ※     |
| 36 (118) | ※   |
| 42 (138) | ※     |
| 48 (157) | ※   |
| 54 (177) | ※     |
| 60 (197) | ※   |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| LU | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

## Luffing Jib Arrangements

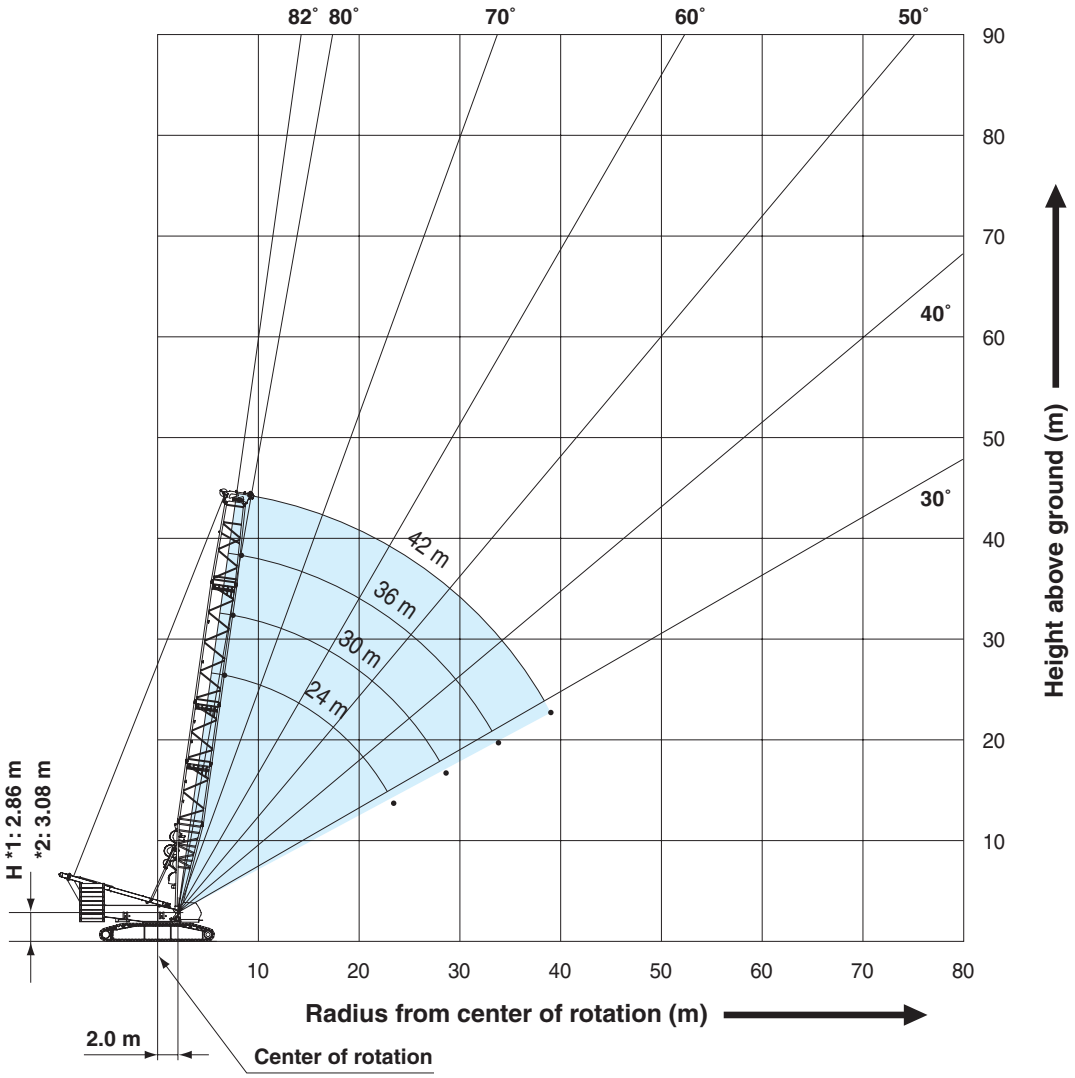
| Jib length m (ft) | Jib arrangement |
|---|---|
| 24 (79) |   |
| 30 (98) | ※     |
| 36 (118) | ※   |
| 42 (138) | ※     |
| 48 (157) | ※   |
| 54 (177) | ※     |
| 60 (197) | ※   |
| 66 (217) | ※     |
| 72 (236) | ※   |

| Symbol | Jib Length | Remarks |
|---|---|---|
| JL | 10.0 m (32.8 ft) | Jib Base |
| 6.0 | 6.0 m (19.7 ft) | Luffing Insert Jib |
| 12.0 | 12.0 m (39.4 ft) | Luffing Insert Jib |
| JU | 8.0 m (26.2 ft) | Jib Top |

※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

# WORKING RANGES

## Heavy Duty Crane Boom

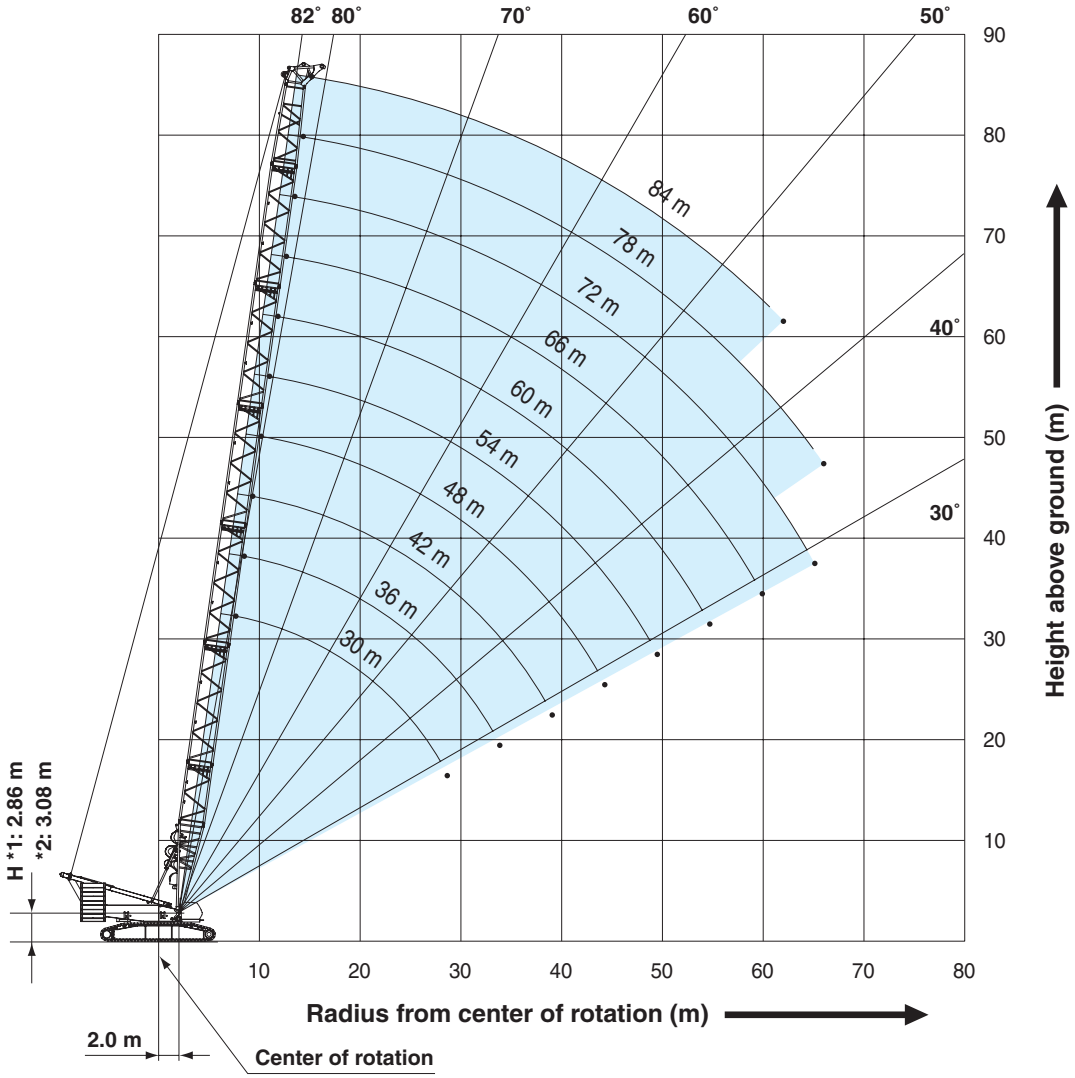



1: Without upper/lower connecting device
2: With upper/lower connecting device

# STANDARD

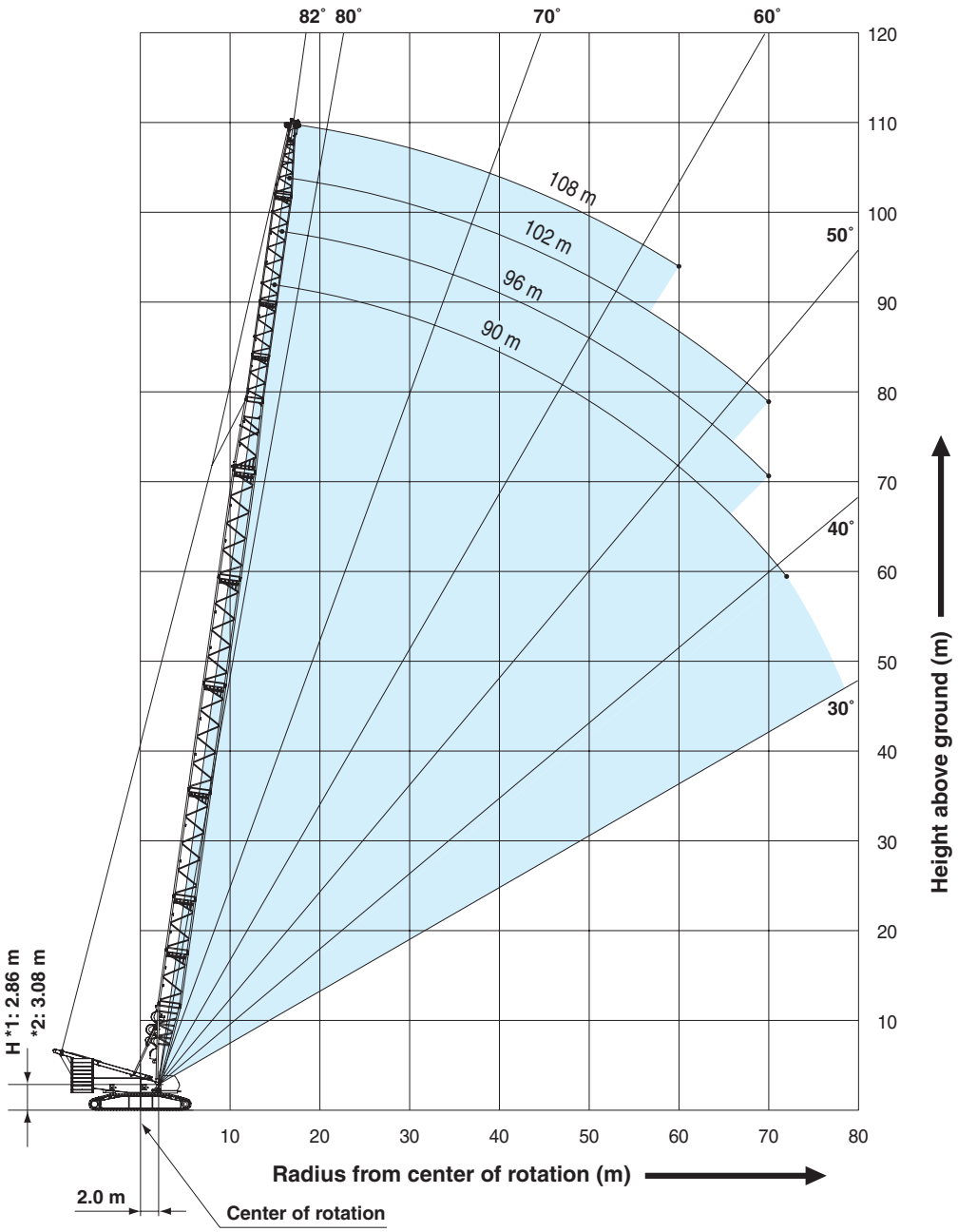
## WORKING RANGES

### Luffing Boom




1: Without upper/lower connecting device
2: With upper/lower connecting device

# Long Boom

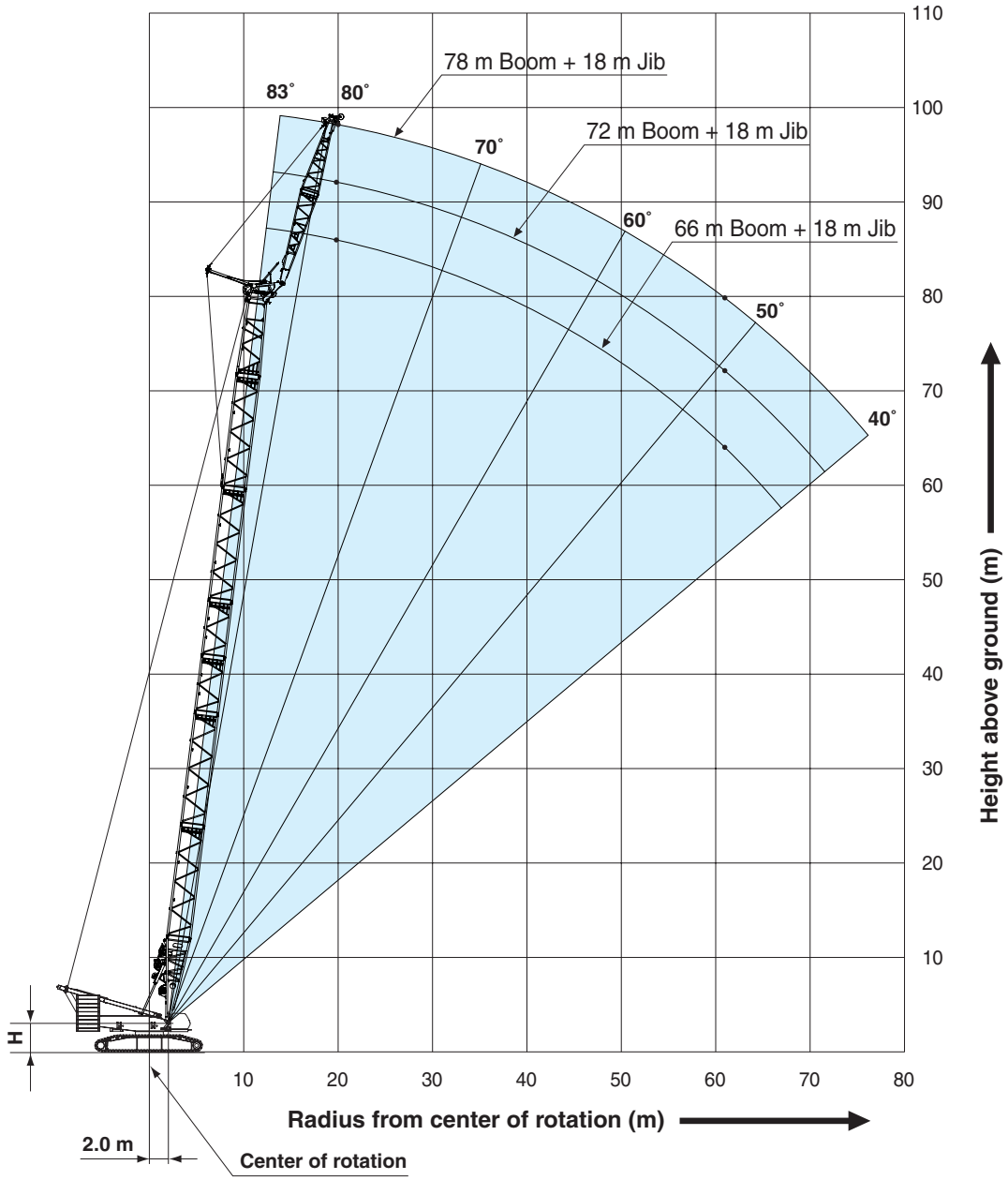



1: Without upper/lower connecting device
2: With upper/lower connecting device

# STANDARD

## WORKING RANGES

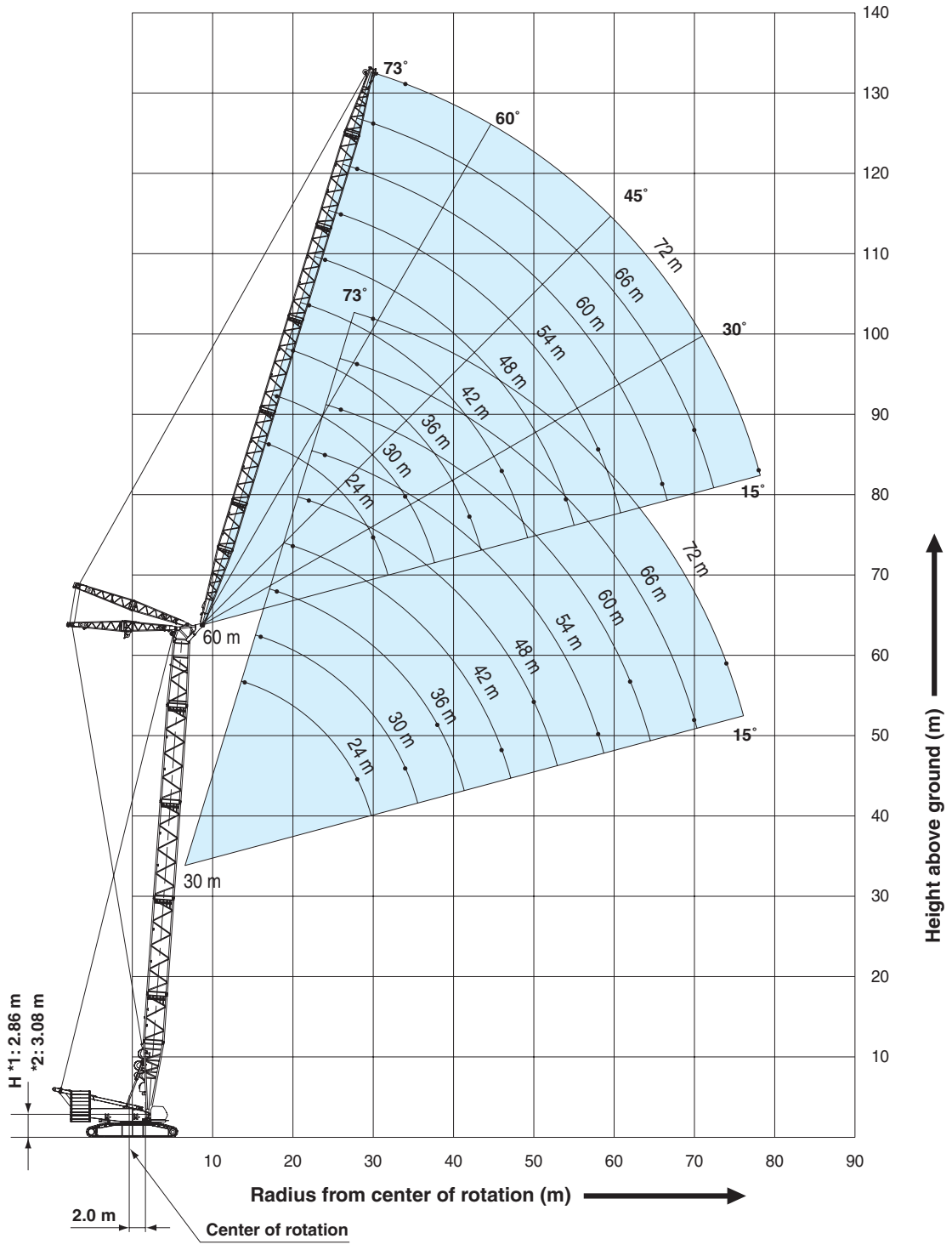
### Heavy Fixed Jib (Type A)




H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

# Luffing Jib

## Boom Angle: 86°



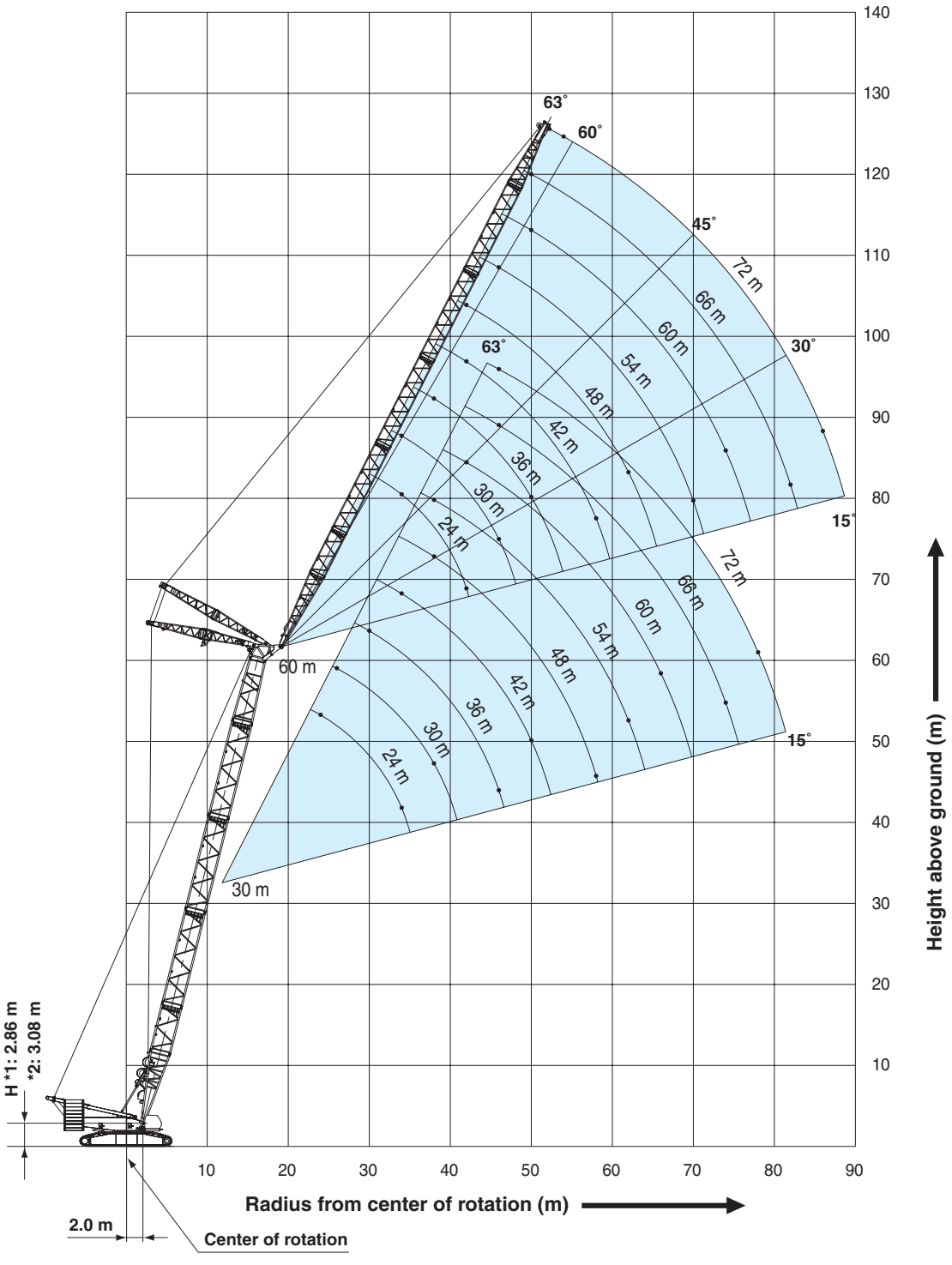

1: Without upper/lower connecting device
2: With upper/lower connecting device

# STANDARD

## WORKING RANGES

### Luffing Jib

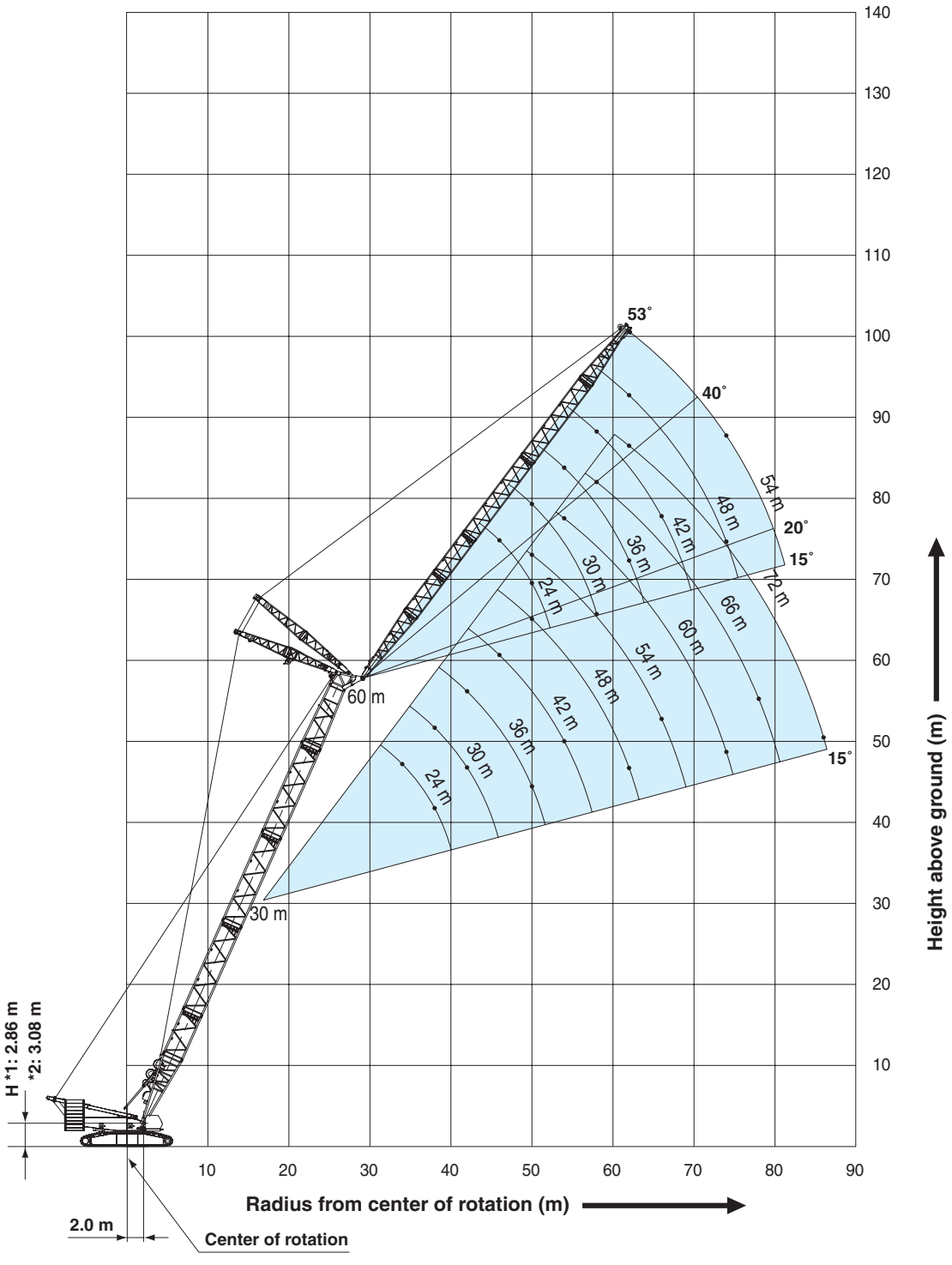
**Boom Angle: 76°**




1: Without upper/lower connecting device
2: With upper/lower connecting device

# Luffing Jib

## Boom Angle: 66°




1: Without upper/lower connecting device
2: With upper/lower connecting device

# CRANE BOOM SUPPLEMENTAL DATA

1. Designed and rated to comply with EN13000.
2. Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
3. Deduct weight of hook blocks, slings and all other load handling accessories from main boom ratings shown.
4. 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. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted load and operating speeds accordingly.
5. Ratings are for operation on a firm and level surface, up to 1 % gradient.
6. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
7. Boom inserts, guy pipe and guy lines must be arranged as shown in the "OPERATOR'S MANUAL".
8. Boom hoist reeving is 30 part line.
   HL/SHL boom hoist reeving is 18 part line.
9. Boom backstops are required for all boom lengths.
10. The boom should be erected over the front of the crawlers, not laterally.
11. Ratings inside of boxes ▭ are limited by strength of materials.
12. When erecting and lowering the boom length of 102 m or over, the blocks for erection must be placed at the end of the crawlers. (for STD MAST).
13. When erecting and lowering the boom length of 108 m, the blocks for erection must be placed at the end of the crawlers. (for HL MAST).
14. The minimum rated show below.

| Minimum Rated Load | | |
|---|---|---|
| Heavy Duty Crane | Standard Crane | Long Crane |
| - | 7.7 ton | 6.2 ton |

15. **(Main Boom Lifting)**
    The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom rating shown.
16. **(Main Boom Lifting with Auxiliary Sheave Frame)**
    The total load that can be lifted is weight of auxiliary sheave frame, hook block(s), slings, and all other load handling accessories deducted from main boom ratings shown.

| Deduction auxiliary sheave frame | | |
|---|---|---|
| Heavy Duty Crane | Standard Crane | Long Crane |
| 0.7 ton | 0.7 ton | 0.7 ton |

17. **(Auxiliary Sheave Lifting)**
    The total load that can be lifted is weight of auxiliary sheave frame, hook block(s), slings, and all other load handling accessories deducted from main boom ratings shown.

| Deduction auxiliary sheave frame | | |
|---|---|---|
| Heavy Duty Crane | Standard Crane | Long Crane |
| 0.7 ton | 0.7 ton | 0.7 ton |

18. Ratings shown, but it should not exceed 14.0 ton in case of one reeve, and it should not exceed 28.0 ton in case of two reeve.
19. Auxiliary sheave ratings at any radius from center of rotation are the same as crane ratings shown in table for main boom when operated at the same radius. But maximum angle is the same main boom maximum angle.
20. Boom lengths for auxiliary sheave mounting show below.

| | STD | HL | SHL |
|---|---|---|---|
| Heavy Crane | NONE | NONE | NONE |

| | STD | HL | SHL |
|---|---|---|---|
| STD Crane | 30 m ~ 84 m | 36 m ~ 84 m | 36 m ~ 84 m |

| | STD | HL | SHL |
|---|---|---|---|
| Long Crane | 90 m ~ 102 m | 90 m ~ 108 m | 90 m ~ 120 m |

21. Maximum hoist load for number of reeving parts of line for hoist rope.

**Main Hoist Loads (Single Drum)**

| No. of Parts of Line | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Maximum Loads (t) | 14.0 | 28.0 | 42.0 | 56.0 | 70.0 |

| No. of Parts of Line | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|
| Maximum Loads (t) | 84.0 | 98.0 | 112.0 | 126.0 | 140.0 |

| No. of Parts of Line | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|
| Maximum Loads (t) | 152.0 | 164.0 | 174.0 | 184.0 | 192.0 |

| No. of Parts of Line | 16 |
|---|---|
| Maximum Loads (t) | 200.0 |

**Main Hoist Loads for Heavy Boom (Double Drum)**

| No. of Parts of Line | 8 | 12 | 16 | 20 | 24 | 28 |
|---|---|---|---|---|---|---|
| Maximum Loads (t) | 112.0 | 164.0 | 220.0 | 280.0 | 336.0 | 370.0 |

| No. of Parts of Line | 36 | 44 |
|---|---|---|
| Maximum Loads (t) | 450.0 | 550.0 |

**Main Hoist Loads for Standard Boom (Double Drum)**

| No. of Parts of Line | 8 | 12 | 16 | 20 | 24 |
|---|---|---|---|---|---|
| Maximum Loads (t) | 112.0 | 164.0 | 220.0 | 280.0 | 300.0 |

**Auxiliary Hoist Loads**

| No. of Parts of Line | 1 | 2 |
|---|---|---|
| Maximum Loads (tons) | 14.0 | 28.0 |

22. Weight of hook block

| Weight of hook block | | | | |
|---|---|---|---|---|
| Hook block | 550/450 ton | 300 ton (with hanger sheave) | 200 ton (w/o hanger sheave) | 120 ton |
| Weight (t) | 11.7 | 9.9 (*1) | 7.1 (*2) | 4.5 |

| Weight of hook block | | | |
|---|---|---|---|
| Hook block | 70 ton | 40 ton | 14 ton Ball hook |
| Weight (t) | 3.1 | 2.0 | 0.9 |

*1: 6.82 ton: when hanger sheave is not equipped.
*2: To reeve 11 parts of line or over, the hanger sheave (2 ton) is required.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

# HEAVY FIXED JIB SUPPLEMENTAL DATA

1. Designed and rated to comply with EN13000.
2. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
3. Rated loads do not exceed 75% of minimum tipping loads. Ratings inside of boxes ☐ are limited by strength of material or other factor except machine stability.
4. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals. If these manuals are missing, obtain replacements.
   • Boom backstops are required for all boom lengths.
   • The crane must be leveled to within 1% on a firm supporting surface.
5. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
6. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
7. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
8. **Configuration**

| Symbol | Counterweight | Carbody Weight | HL Mast Radius | Pallet Weight |
|---|---|---|---|---|
| A | 200 t | 50 t | NONE | NONE |
| B1 | 200 t | 50 t | 11 m | NONE |
| B2 | 200 t | 50 t | 11 m | 10 t |
| C | 200 t | 50 t | 11 m | 130 t |

9. **Boom and Heavy Fixed Jib combinations**

| Boom | Jib | Type of configuration | | | |
|---|---|---|---|---|---|
| | | A | B1 | B2 | C |
| 66 m | 18 m | Y | Y | Y | N |
| 72 m | 18 m | Y | Y | Y | |
| 78 m | 18 m | Y | Y | Y | |
| 84 m | 18 m | N | | | Y |
| 90 m | 18 m | | | | Y |
| 96 m | 18 m | | | | Y |
| 102 m | 18 m | | | | Y |

Y: Applicable boom and heavy fixed jib combination
N: Not applicable boom and heavy fixed jib combination

10. **The boom should erected lowered over the front of the crawlers**

| Boom | Jib | Type of configuration | | | |
|---|---|---|---|---|---|
| | | A | B1 | B2 | C |
| 66 m | 18 m | N | N | N | |
| 72 m | 18 m | N | N | N | |
| 78 m | 18 m | Y | N | N | |
| 84 m | 18 m | | | | N |
| 90 m | 18 m | | | | N |
| 96 m | 18 m | | | | N |
| 102 m | 18 m | | | | N |

Y: the blocks must be placed at the end of the crawlers for erection and lowering.
N: the blocks is not needed for erection and lowering.

11. To prevent the boom from leaning toward backward, the own weight of hook block attached to heavy fixed jib point must be equal to or more than 4.5 t.

12. Maximum hoist load for number of reeving parts of line for hoist rope.

**Main Boom Hoist Loads (Double Drum)**

| No. of Parts of Line | 8(2x4) | 10(2x5) |
|---|---|---|
| Maximum Loads (kN) | 1,098 | 1,177 |
| Maximum Loads (t) | 112.0 | 120.0 |

**Main Boom Hoist Loads (Single Drum)**

| No. of Parts of Line | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Maximum Loads (kN) | 137 | 275 | 412 | 549 | 686 |
| Maximum Loads (t) | 14.0 | 28.0 | 42.0 | 50.0 | 70.0 |

| No. of Parts of Line | 6 | 7 | 8 |
|---|---|---|---|
| Maximum Loads (kN) | 824 | 961 | 1,098 |
| Maximum Loads (t) | 84.0 | 98.0 | 112.0 |

13. Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

# LUFFING JIB SUPPLEMENTAL DATA

1. Designed and rated to comply with EN13000.
2. Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
3. Deduct weight of hook blocks, slings and all other load handling accessories from luffing jib ratings shown.
4. 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. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted load and operating speeds accordingly.
5. Ratings are for operation on a firm and level surface, up to 1 % gradient.
6. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
7. Boom and jib inserts and guy lines must be arranged as shown in the "OPERATOR'S MANUAL".
8. Boom hoist reeving is 30 part line.
   HL/SHL boom hoist reeving is 18 part line.
   Jib hoist reeving is 18 part line.
9. Boom and jib backstops are required for all boom lengths.
10. The boom should be erected over the front of crawlers, not laterally.
11. Ratings inside of boxes ▭ are limited by strength of materials.
12. When erecting and lowering the boom length of 54 m or over, the blocks for erection must be placed at the end of the crawlers. (for STD MAST).
13. The minimum rated load is 4.0 ton.
14. **(Luffing Jib Rating Loads)**
    The total load that can be lifted is the value for weight of hook block, slings, and all other loads handling accessories deducted from luffing jib ratings shown.
15. **(Luffing Jib Lifting with Auxiliary Sheave Frame)**
    The total load that can be lifted is the weight of hook block, slings, and all other loads handling accessories deducted from luffing jib ratings shown.
16. **(Auxiliary Sheave Lifting)**
    The total load that can be lifted over an auxiliary sheave is weight of hook block, slings, and all other loads handling accessories deducted from luffing jib ratings shown, but it should not exceed 14.0 ton in case of one reeve.
    It should not exceed 28.0 ton in case of two reeves.
    Boom and jib combinations for auxiliary sheave mounting are all boom and jib combinations.
    Auxiliary sheave ratings at any radius from center of rotation are the same as luffing ratings shown in table for jib when operated at the same radius.
    But maximum angle is the same jib maximum angle.
17. Luffing boom and jib combinations.

| | | Jib Length | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 24 m (79 ft) | 30 m (98 ft) | 36 m (118 ft) | 42 m (138 ft) | 48 m (157 ft) | 54 m (177 ft) | 60 m (197 ft) | 66 m (217 ft) | 72 m (236 ft) | 78 m (256 ft) | 84 m (276 ft) |
| Boom Length | 30 m (98 ft) | ○* | ○* | ○* | ○* | ○* | ○* | ○* | ○* | ○* | × | × |
| | 36 m (118 ft) | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○** | ○** |
| | 42 m (138 ft) | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○** | ○** |
| | 48 m (157 ft) | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○** | ○** |
| | 54 m (177 ft) | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○** | ○** |
| | 60 m (197 ft) | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○** | ○** |
| | 66 m (217 ft) | ○*** | ○*** | ○*** | ○*** | ○*** | ○*** | ○*** | ○*** | ○*** | ○** | ○** |
| | 72 m (236 ft) | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** |
| | 78 m (256 ft) | × | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** |
| | 84 m (276 ft) | × | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** | ○** |

× : All luffing jib combinations which is not allowed.
○ : All luffing jib combinations which is allowed.
○* : Standard-luffing jib combinations which is allowed.
○** : Super heavy lift-Luffing jib combinations which is allowed.
○*** : Heavy lift and Super heavy lift-Luffing jib combinations which is allowed.

18. Maximum hoist load for number of reeving parts of line for hoist rope.

**Jib Hook Loads (Single Drum)**

| No. of Parts of Line | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Maximum Loads (t) | 14.0 | 28.0 | 42.0 | 56.0 | 70.0 |

| No. of Parts of Line | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|
| Maximum Loads (t) | 84.0 | 98.0 | 112.0 | 126.0 | 140.0 |

| No. of Parts of Line | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|
| Maximum Loads (t) | 152.0 | 164.0 | 174.0 | 184.0 | 192.0 |

| No. of Parts of Line | 16 |
|---|---|
| Maximum Loads (t) | 200.0 |

**Jib Hook (Double Drum)**

| No. of Parts of Line | 8 | 12 | 16 |
|---|---|---|---|
| Maximum Loads (t) | 112.0 | 164.0 | 200.0 |

**Auxiliary Sheave**

| No. of Parts of Line | 1 | 2 |
|---|---|---|
| Maximum Loads (t) | 14.0 | 28.0 |

| Weight of hook block | | | | | |
|---|---|---|---|---|---|
| Hook block | 200 ton | 120 ton | 70 ton | 40 ton | 14 ton Ball Hook |
| Weight (t) | 7.05 | 4.5 | 3.1 | 2.0 | 0.9 |

19. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

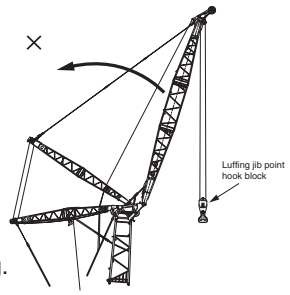
20. Designed and rated to comply with ASME Code B30.5.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

21. Hook block and number of reeving parts of line restriction

(1) The self-weight of luffing jib point hook block must be heavier than or equal to the table below.

(2) Total number of reeving parts of line on luffing jib point hook block must be larger than or equal to the table below.




**Danger!**

Follow the both (1) and (2) above at a same time for the luffing jib operation.
Otherwise luffing jib may tip over the backwards due to lack of weight on front side of boom.
Failure to observe this precaution may lead to the jib tipping backwards and resulted to machine collapsing.

SL6000 minimum hook block self-weight and minimum number of reeving parts of line on hook block

| Boom Length | Jib Length | 24 m (79 ft) | 30 m (98 ft) | 36 m (118 ft) | 42 m (138 ft) | 48 m (157 ft) | 54 m (177 ft) | 60 m (197 ft) | 66 m (217 ft) | 72 m (236 ft) | 78 m (256 ft) | 84 m (276 ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 m (98 ft) | Hook Block Self-Weight (kg) | 7,050 | 4,500 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | 13 | 6 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 36 m (118 ft) | Hook Block Self-Weight (kg) | 7,050 | 4,500 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | 11 | 6 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 42 m (138 ft) | Hook Block Self-Weight (kg) | 7,050 | 7,050 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | 10 | 9 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 48 m (157 ft) | Hook Block Self-Weight (kg) | 7,050 | 7,050 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | 9 | 9 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 54 m (177 ft) | Hook Block Self-Weight (kg) | 7,050 | 7,050 | 4,500 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | 9 | 8 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 60 m (197 ft) | Hook Block Self-Weight (kg) | 7,050 | 7,050 | 7,050 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | 8 | 7 | 7 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 66 m (217 ft) | Hook Block Self-Weight (kg) | 7,050 | 7,050 | 7,050 | 4,500 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | 7 | 7 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 72 m (236 ft) | Hook Block Self-Weight (kg) | 7,050 | 7,050 | 7,050 | 4,500 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | 7 | 6 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 78 m (256 ft) | Hook Block Self-Weight (kg) | | 7,050 | 7,050 | 4,500 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No. of Part Line | | 6 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 84 m (276 ft) | Hook Block Self-Weight (kg) | | 7,050 | 7,050 | 4,500 | 3,100 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | No.of Part Line | | 5 | 5 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

Weight of KOBELCO genuine hook block.

| | | | |
|---|---|---|---|
| 200 t hook block | 7,050 kg | 70 t hook block | 3,100 kg |
| 120 t hook block | 4,500 kg | 40 t hook block | 2,000 kg |

# STANDARD

# LIFTING CAPACITIES

## Heavy Duty Crane Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**

| Working Radius (m) \ Boom Length (m) | 24.0 | 30.0 | 36.0 | 42.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|---|---|
| 6.0 | 6.7 m/450.0 | | | | 6.0 |
| 7.0 | 425.0 | 7.5 m/390.0 | | | 7.0 |
| 8.0 | 375.0 | 365.0 | 8.3 m/340.0 | | 8.0 |
| 9.0 | 330.0 | 325.0 | 322.0 | 9.2 m/311.7 | 9.0 |
| 10.0 | 294.0 | 292.0 | 290.0 | 280.1 | 10.0 |
| 12.0 | 233.3 | 232.8 | 232.1 | 225.0 | 12.0 |
| 14.0 | 192.0 | 191.5 | 190.7 | 187.0 | 14.0 |
| 16.0 | 158.7 | 158.8 | 158.9 | 158.6 | 16.0 |
| 18.0 | 133.3 | 133.3 | 133.4 | 133.1 | 18.0 |
| 20.0 | 114.4 | 114.4 | 114.3 | 114.0 | 20.0 |
| 22.0 | 97.4 | 97.3 | 97.2 | 97.1 | 22.0 |
| 24.0 | | 87.0 | 86.9 | 86.4 | 24.0 |
| 26.0 | | 78.5 | 78.3 | 77.8 | 26.0 |
| 28.0 | | 70.7 | 70.4 | 69.8 | 28.0 |
| 30.0 | | 28.6 m/68.5 | 63.7 | 63.1 | 30.0 |
| 34.0 | | | 33.8 m/53.5 | 52.4 | 34.0 |
| 38.0 | | | | 44.4 | 38.0 |
| 42.0 | | | | 39.0 m/42.6 | 42.0 |
| Reeves | 36 | 36 | 28 | 24 | Reeves |

Note:
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.

## Long Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**

| Working Radius (m) \ Boom Length (m) | 90.0 | 96.0 | 102.0 | 108.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|---|---|
| 14.0 | 15.0 m/98.0 | 15.8 m/84.0 | | | 14.0 |
| 16.0 | 96.0 | 83.7 | 16.6 m/70.0 | 17.5m /60.0 | 16.0 |
| 18.0 | 93.0 | 81.1 | 68.5 | 58.8 | 18.0 |
| 20.0 | 90.0 | 78.5 | 66.3 | 55.1 | 20.0 |
| 22.0 | 81.1 | 76.0 | 64.2 | 51.4 | 22.0 |
| 24.0 | 72.6 | 70.8 | 62.1 | 48.4 | 24.0 |
| 26.0 | 64.9 | 64.2 | 60.0 | 45.4 | 26.0 |
| 28.0 | 58.4 | 58.3 | 57.3 | 42.9 | 28.0 |
| 30.0 | 52.9 | 52.8 | 51.3 | 40.4 | 30.0 |
| 34.0 | 44.1 | 43.3 | 42.1 | 36.7 | 34.0 |
| 38.0 | 37.0 | 35.8 | 35.1 | 33.2 | 38.0 |
| 42.0 | 31.0 | 30.2 | 29.7 | 28.6 | 42.0 |
| 46.0 | 26.0 | 25.4 | 24.9 | 22.6 | 46.0 |
| 50.0 | 21.8 | 21.3 | 20.8 | 17.3 | 50.0 |
| 54.0 | 18.1 | 17.6 | 17.1 | 12.7 | 54.0 |
| 58.0 | 14.8 | 14.4 | 14.0 | 8.7 | 58.0 |
| 62.0 | 12.0 | 11.6 | 11.1 | 60.0m /6.8 | 62.0 |
| 66.0 | 9.5 | 9.0 | 8.5 | | 66.0 |
| 70.0 | 7.2 | 6.7 | 6.2 | | 70.0 |
| 72.0 | 6.2 | | | | 72.0 |
| Reeves | 7 | 6 | 5 | 5 | Reeves |

Note:
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.

## Heavy Fixed Jib (Type A) Lifting Capacities

Unit: ton

**Counterweight: 200.0 ton**
**Carbody weight: 50.0 ton**

| Jib Length (m) | 18.0 | | | Jib Length (m) |
|---|---|---|---|---|
| Working Radius (m) \ Boom Length (m) | 66.0 | 72.0 | 78.0 | Boom Length (m) \ Working Radius (m) |
| 20.0 | 105.0 | 100.0 | 95.0 | 20.0 |
| 22.0 | 98.1 | 94.7 | 91.2 | 22.0 |
| 24.0 | 88.1 | 85.0 | 81.9 | 24.0 |
| 26.0 | 79.6 | 76.7 | 73.8 | 26.0 |
| 28.0 | 71.1 | 69.5 | 66.8 | 28.0 |
| 30.0 | 63.6 | 62.3 | 60.6 | 30.0 |
| 34.0 | 51.5 | 50.1 | 48.6 | 34.0 |
| 38.0 | 42.0 | 40.6 | 39.1 | 38.0 |
| 42.0 | 34.4 | 33.0 | 31.5 | 42.0 |
| 46.0 | 28.2 | 26.8 | 25.3 | 46.0 |
| 50.0 | 23.1 | 21.7 | 20.1 | 50.0 |
| 54.0 | 18.7 | 17.3 | 15.7 | 54.0 |
| 58.0 | 14.9 | 13.5 | 11.9 | 58.0 |
| 62.0 | 11.6 | 10.3 | 8.7 | 62.0 |
| Reeves | 8 | 8 | 8 | Reeves |

Note:
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.

# Luffing Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**

| Working Radius (m) \ Boom Length (m) | 30.0 | 36.0 | 42.0 | 48.0 | 54.0 | 60.0 | 66.0 | 72.0 | 78.0 | 84.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **7.0** | 7.7 m/300.0 | | | | | | | | | | **7.0** |
| **8.0** | 300.0 | 8.5 m/300.0 | | | | | | | | | **8.0** |
| **9.0** | 300.0 | 300.0 | 9.3 m/300.0 | | | | | | | | **9.0** |
| **10.0** | 292.1 | 291.4 | 278.2 | 10.2 m/258.6 | 11.0 m/224.6 | 11.8 m/197.3 | | | | | **10.0** |
| **12.0** | 230.2 | 229.5 | 222.9 | 212.7 | 203.2 | 194.3 | 12.7 m/175.1 | 13.5 m/156.1 | | | **12.0** |
| **14.0** | 188.9 | 188.2 | 184.8 | 177.0 | 169.8 | 163.0 | 156.5 | 149.9 | 14.3 m/140.3 | 15.2 m/126.4 | **14.0** |
| **16.0** | 157.8 | 157.6 | 156.9 | 150.7 | 145.0 | 139.4 | 134.1 | 128.6 | 123.8 | 119.0 | **16.0** |
| **18.0** | 132.4 | 132.1 | 131.4 | 130.5 | 125.7 | 121.0 | 116.5 | 111.9 | 107.8 | 103.6 | **18.0** |
| **20.0** | 113.4 | 113.0 | 112.3 | 111.8 | 110.3 | 106.2 | 102.4 | 98.3 | 94.7 | 91.1 | **20.0** |
| **22.0** | 98.6 | 98.3 | 97.5 | 96.9 | 96.4 | 94.2 | 90.7 | 87.0 | 83.9 | 80.6 | **22.0** |
| **24.0** | 86.9 | 86.5 | 85.7 | 85.1 | 84.6 | 83.9 | 81.0 | 77.6 | 74.8 | 71.8 | **24.0** |
| **26.0** | 77.3 | 76.9 | 76.1 | 75.5 | 74.9 | 74.2 | 72.7 | 69.6 | 67.0 | 64.2 | **26.0** |
| **28.0** | 69.4 | 68.9 | 68.1 | 67.4 | 66.8 | 66.1 | 65.4 | 62.7 | 60.3 | 57.7 | **28.0** |
| **30.0** | 28.7 m/66.8 | 62.2 | 61.4 | 60.7 | 60.1 | 59.3 | 58.6 | 56.7 | 54.4 | 52.0 | **30.0** |
| **34.0** | | 33.9 m/51.7 | 50.7 | 49.9 | 49.3 | 48.4 | 47.7 | 46.7 | 44.7 | 42.4 | **34.0** |
| **38.0** | | | 42.6 | 41.8 | 41.0 | 40.2 | 39.4 | 38.4 | 37.0 | 34.9 | **38.0** |
| **42.0** | | | 39.1 m/40.7 | 35.4 | 34.6 | 33.7 | 32.7 | 31.4 | 30.4 | 28.7 | **42.0** |
| **46.0** | | | | 44.3 m/32.3 | 29.5 | 28.3 | 27.2 | 25.9 | 24.8 | 23.6 | **46.0** |
| **50.0** | | | | | 49.5 m/25.7 | 23.8 | 22.6 | 21.3 | 20.2 | 19.0 | **50.0** |
| **54.0** | | | | | | 20.6 | 18.9 | 17.5 | 16.4 | 15.1 | **54.0** |
| **58.0** | | | | | | 54.7 m/19.6 | 15.7 | 14.3 | 13.1 | 11.9 | **58.0** |
| **62.0** | | | | | | | 59.9 m/14.4 | 11.6 | 10.3 | 8.8 | **62.0** |
| **66.0** | | | | | | | | 65.1 m/9.7 | 7.6 | | **66.0** |
| **Reeves** | 24 | 24 | 24 | 20 | 20 | 16 | 16 | 12 | 12 | 12 | **Reeves** |

Note:
Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# STANDARD

# LIFTING CAPACITIES
## Luffing Jib Lifting Capacity

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**

**30.0 m Boom Length**

| Boom length (m) | 30.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 14.0 | 184.0 | | | | | | | | | | | | | | | 14.0 |
| 15.0 | 173.5 | | | | | | | | | | | | | | | 15.0 |
| 16.0 | 160.5 | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 151.0 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 141.6 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 125.3 | | | 111.6 | | | | | | | | | | | | 20.0 |
| 22.0 | 112.2 | | | 107.1 | | | | | | | | | | | | 22.0 |
| 24.0 | 100.1 | 93.7 | | 97.9 | | | 85.2 | | | | | | | | | 24.0 |
| 26.0 | 89.8 | 84.2 | | 89.3 | | | 85.2 | | | | | | | | | 26.0 |
| 28.0 | 81.3 | 76.2 | | 80.9 | | | 78.9 | | | 67.3 | | | | | | 28.0 |
| 30.0 | | 69.5 | | 73.8 | | | 73.1 | | | 67.3 | | | 60.2 | | | 30.0 |
| 34.0 | | 58.8 | 54.9 | 62.5 | 57.7 | | 61.9 | | | 60.4 | | | 58.7 | | | 34.0 |
| 38.0 | | | 47.3 | 54.0 | 49.7 | | 53.3 | 48.8 | | 52.2 | | | 51.8 | | | 38.0 |
| 42.0 | | | | 47.2 | 43.5 | | 46.6 | 42.6 | | 45.5 | | | 45.1 | | | 42.0 |
| 46.0 | | | | 41.8 | 38.4 | 35.1 | 41.2 | 37.5 | | 40.1 | 36.2 | | 39.4 | 35.0 | | 46.0 |
| 50.0 | | | | | 34.3 | 31.3 | 36.7 | 33.4 | 30.2 | 34.6 | 31.9 | | 33.0 | 30.7 | | 50.0 |
| 54.0 | | | | | | 28.1 | 32.7 | 29.9 | 27.0 | 29.5 | 28.3 | | 27.8 | 27.1 | | 54.0 |
| 58.0 | | | | | | | 28.5 | 27.0 | 24.2 | 25.2 | 25.2 | 21.9 | 23.5 | 24.1 | | 58.0 |
| 62.0 | | | | | | | | 24.5 | 21.9 | 21.6 | 22.6 | 19.5 | 19.8 | 21.5 | 18.3 | 62.0 |
| 66.0 | | | | | | | | | 19.9 | 18.6 | 20.5 | 17.5 | 16.7 | 19.3 | 16.3 | 66.0 |
| 70.0 | | | | | | | | | | 16.1 | 18.6 | 15.8 | 14.1 | 17.4 | 14.5 | 70.0 |
| 74.0 | | | | | | | | | | | 17.1 | 14.3 | 11.9 | 15.8 | 13.0 | 74.0 |
| 78.0 | | | | | | | | | | | | 13.0 | | 14.4 | 11.7 | 78.0 |
| 82.0 | | | | | | | | | | | | | | | 10.6 | 82.0 |
| 86.0 | | | | | | | | | | | | | | | 9.8 | 86.0 |
| Reeves | 16 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

**36.0 m Boom Length**

| Boom length (m) | 36.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 15.0 | 167.8 | | | | | | | | | | | | | | | 15.0 |
| 16.0 | 157.0 | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 148.2 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 139.4 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 124.3 | | | 111.0 | | | | | | | | | | | | 20.0 |
| 22.0 | 111.3 | | | 103.7 | | | | | | | | | | | | 22.0 |
| 24.0 | 99.8 | | | 95.0 | | | 84.7 | | | | | | | | | 24.0 |
| 26.0 | 89.6 | 82.5 | | 87.6 | | | 82.7 | | | | | | | | | 26.0 |
| 28.0 | 81.1 | 74.7 | | 80.7 | | | 76.6 | | | 66.8 | | | | | | 28.0 |
| 30.0 | 73.8 | 68.1 | | 73.6 | | | 71.3 | | | 66.8 | | | 59.7 | | | 30.0 |
| 34.0 | | 57.6 | | 62.4 | 56.4 | | 61.5 | | | 58.7 | | | 57.0 | | | 34.0 |
| 38.0 | | | 45.4 | 53.8 | 48.6 | | 53.0 | | | 51.9 | | | 50.3 | | | 38.0 |
| 42.0 | | | 39.6 | 47.1 | 42.5 | | 46.3 | 41.4 | | 45.2 | | | 44.9 | | | 42.0 |
| 46.0 | | | | 41.7 | 37.5 | 33.5 | 40.9 | 36.4 | | 39.8 | 34.8 | | 39.2 | | | 46.0 |
| 50.0 | | | | | 33.4 | 29.8 | 36.5 | 32.4 | | 34.4 | 30.5 | | 32.8 | 29.4 | | 50.0 |
| 54.0 | | | | | | 26.7 | 32.4 | 29.0 | 25.1 | 29.2 | 27.0 | | 27.5 | 25.8 | | 54.0 |
| 58.0 | | | | | | 24.0 | 28.1 | 26.1 | 22.4 | 24.9 | 24.0 | | 23.1 | 22.9 | | 58.0 |
| 62.0 | | | | | | | | 23.7 | 20.1 | 21.2 | 21.5 | 17.7 | 19.4 | 20.3 | | 62.0 |
| 66.0 | | | | | | | | | 18.1 | 18.1 | 19.4 | 15.8 | 16.3 | 18.2 | 14.5 | 66.0 |
| 70.0 | | | | | | | | | 16.3 | 15.5 | 17.5 | 14.1 | 13.6 | 16.3 | 12.8 | 70.0 |
| 74.0 | | | | | | | | | | | 16.0 | 12.7 | 11.3 | 14.7 | 11.4 | 74.0 |
| 78.0 | | | | | | | | | | | | 11.3 | | 13.4 | 10.1 | 78.0 |
| 82.0 | | | | | | | | | | | | 10.1 | | 11.4 | 9.1 | 82.0 |
| 86.0 | | | | | | | | | | | | | | | 8.2 | 86.0 |
| Reeves | 16 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# Luffing Jib Lifting Capacity

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**

**42.0 m Boom Length**

| Boom length (m) | 42.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 15.0 | 15.4 m/156.2 | | | | | | | | | | | | | | | 15.0 |
| 16.0 | 151.0 | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 142.7 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 134.4 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 121.0 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 110.0 | | | 96.6 | | | | | | | | | | | | 22.0 |
| 24.0 | 99.3 | | | 92.1 | | | 84.1 | | | | | | | | | 24.0 |
| 26.0 | 89.1 | | | 85.0 | | | 80.2 | | | | | | | | | 26.0 |
| 28.0 | 80.6 | 72.9 | | 78.8 | | | 74.4 | | | 66.3 | | | | | | 28.0 |
| 30.0 | 73.4 | 66.4 | | 73.4 | | | 69.2 | | | 65.1 | | | 59.2 | | | 30.0 |
| 34.0 | | 56.2 | | 62.2 | | | 60.7 | | | 57.0 | | | 55.3 | | | 34.0 |
| 38.0 | | 48.3 | 43.1 | 53.7 | 47.4 | | 52.7 | | | 50.4 | | | 48.9 | | | 38.0 |
| 42.0 | | | 37.6 | 47.0 | 41.4 | | 46.0 | 40.1 | | 44.9 | | | 43.5 | | | 42.0 |
| 46.0 | | | | 41.6 | 36.5 | | 40.6 | 35.2 | | 39.5 | 33.2 | | 38.7 | | | 46.0 |
| 50.0 | | | | | 32.5 | 27.8 | 36.2 | 31.3 | | 34.0 | 29.1 | | 32.4 | 27.9 | | 50.0 |
| 54.0 | | | | | 29.2 | 24.8 | 32.0 | 27.9 | | 28.8 | 25.6 | | 27.1 | 24.5 | | 54.0 |
| 58.0 | | | | | | 22.2 | 27.7 | 25.0 | 20.1 | 24.4 | 22.7 | | 22.7 | 21.6 | | 58.0 |
| 62.0 | | | | | | 19.9 | | 22.6 | 17.9 | 20.8 | 20.3 | 15.8 | 19.0 | 19.1 | | 62.0 |
| 66.0 | | | | | | | | 20.6 | 16.0 | 17.6 | 18.2 | 13.9 | 15.8 | 17.0 | 12.6 | 66.0 |
| 70.0 | | | | | | | | | 14.3 | 15.0 | 16.4 | 12.3 | 13.1 | 15.1 | 11.0 | 70.0 |
| 74.0 | | | | | | | | | 12.9 | | 14.9 | 10.8 | 10.8 | 13.6 | 9.6 | 74.0 |
| 78.0 | | | | | | | | | | | 13.6 | 9.5 | | 12.3 | 8.4 | 78.0 |
| 82.0 | | | | | | | | | | | | 8.4 | | 11.2 | 7.4 | 82.0 |
| 86.0 | | | | | | | | | | | | | | | 6.6 | 86.0 |
| 90.0 | | | | | | | | | | | | | | | 5.7 | 90.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

**48.0 m Boom Length**

| Boom length (m) | 48.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 16.0 | 16.2 m/143.5 | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 137.4 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 129.6 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 116.9 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 106.4 | | | 96.0 | | | | | | | | | | | | 22.0 |
| 24.0 | 97.7 | | | 89.1 | | | 82.4 | | | | | | | | | 24.0 |
| 26.0 | 88.8 | | | 82.3 | | | 77.6 | | | | | | | | | 26.0 |
| 28.0 | 80.3 | 71.1 | | 76.4 | | | 72.0 | | | 65.7 | | | | | | 28.0 |
| 30.0 | 73.2 | 64.8 | | 71.2 | | | 67.1 | | | 63.0 | | | 58.6 | | | 30.0 |
| 34.0 | | 54.7 | | 61.8 | | | 58.9 | | | 55.2 | | | 53.5 | | | 34.0 |
| 38.0 | | 47.1 | | 53.3 | 45.9 | | 51.9 | | | 48.8 | | | 47.3 | | | 38.0 |
| 42.0 | | | 35.2 | 46.6 | 40.0 | | 45.4 | 38.6 | | 43.6 | | | 42.2 | | | 42.0 |
| 46.0 | | | 30.9 | 41.2 | 35.3 | | 40.2 | 33.9 | | 39.2 | | | 37.9 | | | 46.0 |
| 50.0 | | | | | 31.4 | 25.0 | 35.9 | 29.9 | | 33.5 | 27.6 | | 31.9 | 26.3 | | 50.0 |
| 54.0 | | | | | 28.1 | 22.2 | 31.4 | 26.5 | | 28.3 | 24.2 | | 26.6 | 23.0 | | 54.0 |
| 58.0 | | | | | | 19.7 | 27.1 | 23.7 | 17.6 | 23.9 | 21.4 | | 22.2 | 20.1 | | 58.0 |
| 62.0 | | | | | | 17.6 | | 21.2 | 15.6 | 20.2 | 19.0 | | 18.4 | 17.8 | | 62.0 |
| 66.0 | | | | | | | | 19.1 | 13.8 | 17.1 | 16.9 | 11.7 | 15.2 | 15.7 | | 66.0 |
| 70.0 | | | | | | | | | 12.2 | 14.4 | 15.2 | 10.1 | 12.5 | 13.9 | 9.1 | 70.0 |
| 74.0 | | | | | | | | | 10.9 | | 13.7 | 8.8 | 10.2 | 12.4 | 7.8 | 74.0 |
| 78.0 | | | | | | | | | | | 12.3 | 7.6 | | 11.1 | 6.7 | 78.0 |
| 82.0 | | | | | | | | | | | | 6.5 | | 10.1 | | 82.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# STANDARD

# BOOM AND JIB ARRANGEMENTS

## Luffing Jib Lifting Capacity

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**

**54.0 m Boom Length**

| Boom length (m) | 54.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 17.0 | 132.2 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 124.8 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 112.8 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 102.8 | | | 93.7 | | | | | | | | | | | | 22.0 |
| 24.0 | 94.5 | | | 86.1 | | | | | | | | | | | | 24.0 |
| 26.0 | 87.3 | | | 79.6 | | | 74.0 | | | | | | | | | 26.0 |
| 28.0 | 80.0 | | | 74.0 | | | 69.7 | | | 64.2 | | | | | | 28.0 |
| 30.0 | 72.8 | 63.0 | | 69.0 | | | 65.0 | | | 60.9 | | | 58.1 | | | 30.0 |
| 34.0 | | 53.2 | | 60.6 | | | 57.0 | | | 53.4 | | | 51.7 | | | 34.0 |
| 38.0 | | 45.7 | | 52.9 | 43.8 | | 50.6 | | | 47.2 | | | 45.8 | | | 38.0 |
| 42.0 | | | 32.1 | 46.2 | 38.5 | | 45.2 | | | 42.2 | | | 40.8 | | | 42.0 |
| 46.0 | | | 28.1 | 40.9 | 33.8 | | 39.9 | 31.9 | | 37.9 | | | 36.6 | | | 46.0 |
| 50.0 | | | | | 29.9 | | 35.5 | 28.0 | | 32.7 | 25.9 | | 31.2 | | | 50.0 |
| 54.0 | | | | | 26.7 | 19.5 | 30.7 | 24.8 | | 27.6 | 22.7 | | 25.9 | 21.5 | | 54.0 |
| 58.0 | | | | | 23.9 | 17.2 | 26.4 | 22.1 | | 23.2 | 19.9 | | 21.5 | 18.7 | | 58.0 |
| 62.0 | | | | | | 15.2 | | 19.7 | 13.1 | 19.6 | 17.6 | | 17.8 | 16.4 | | 62.0 |
| 66.0 | | | | | | 13.6 | | 17.7 | 11.5 | 16.5 | 15.6 | | 14.6 | 14.4 | | 66.0 |
| 70.0 | | | | | | | | | 10.0 | 13.8 | 13.9 | | 11.9 | 12.7 | | 70.0 |
| 74.0 | | | | | | | | | 8.8 | | 12.4 | | 9.6 | 11.2 | | 74.0 |
| 78.0 | | | | | | | | | 7.7 | | 11.0 | | | 9.9 | | 78.0 |
| 82.0 | | | | | | | | | | | | | | 8.9 | | 82.0 |
| 86.0 | | | | | | | | | | | | | | 8.0 | | 86.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

**60.0 m Boom Length**

| Boom length (m) | 60.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 17.0 | 17.8 m/121.3 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 120.1 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 108.7 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 99.3 | | | 90.4 | | | | | | | | | | | | 22.0 |
| 24.0 | 91.3 | | | 83.2 | | | | | | | | | | | | 24.0 |
| 26.0 | 84.5 | | | 77.0 | | | 72.4 | | | | | | | | | 26.0 |
| 28.0 | 78.6 | | | 71.5 | | | 67.3 | | | | | | | | | 28.0 |
| 30.0 | 72.5 | | | 66.7 | | | 62.8 | | | 58.3 | | | | | | 30.0 |
| 34.0 | | 51.3 | | 58.7 | | | 55.2 | | | 51.5 | | | 47.7 | | | 34.0 |
| 38.0 | | 44.2 | | 52.3 | | | 49.0 | | | 45.6 | | | 44.2 | | | 38.0 |
| 42.0 | | 38.4 | | 45.8 | 36.1 | | 43.9 | | | 40.7 | | | 39.4 | | | 42.0 |
| 46.0 | | | 25.1 | 40.5 | 31.6 | | 39.6 | 29.8 | | 36.6 | | | 35.3 | | | 46.0 |
| 50.0 | | | 22.0 | | 27.9 | | 34.8 | 26.4 | | 31.7 | 23.8 | | 30.1 | | | 50.0 |
| 54.0 | | | | | 24.8 | | 29.8 | 23.3 | | 26.7 | 21.1 | | 25.0 | 19.4 | | 54.0 |
| 58.0 | | | | | 22.2 | 14.4 | 25.6 | 20.7 | | 22.4 | 18.4 | | 20.7 | 17.0 | | 58.0 |
| 62.0 | | | | | | 12.7 | | 18.4 | 10.9 | 18.8 | 16.2 | | 17.1 | 14.8 | | 62.0 |
| 66.0 | | | | | | 11.1 | | 16.4 | 9.4 | 15.8 | 14.3 | | 14.0 | 13.0 | | 66.0 |
| 70.0 | | | | | | | | 14.7 | 8.0 | 13.1 | 12.6 | | 11.3 | 11.3 | | 70.0 |
| 74.0 | | | | | | | | | 6.9 | | 11.2 | | 9.0 | 9.9 | | 74.0 |
| 78.0 | | | | | | | | | | | 10.0 | | 7.0 | 8.7 | | 78.0 |
| 82.0 | | | | | | | | | | | 8.8 | | | 7.7 | | 82.0 |
| 86.0 | | | | | | | | | | | | | | 6.8 | | 86.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

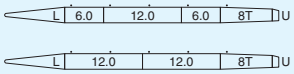
Working Radius (m)

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# HEAVY LIFT

# BOOM AND JIB ARRANGEMENTS

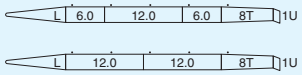
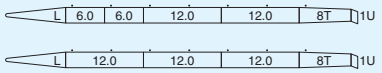
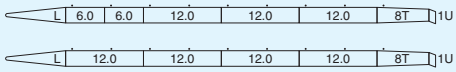
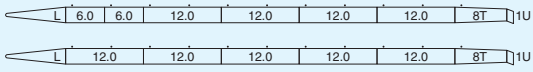
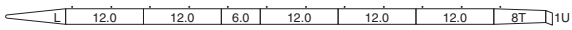
## Heavy Duty Crane Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|---|---|
| 36 (118) | ※  |
| 42 (138) | ※  |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| U | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

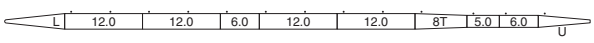
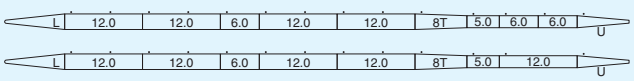
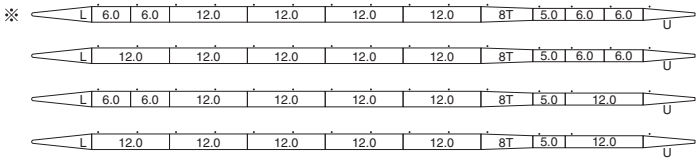
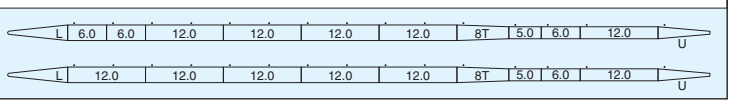
## Luffing Boom Arrangements for Crane

| Boom length m (ft) | Boom arrangement |
|---|---|
| 36 (118) | ※  |
| 42 (138) | ※  |
| 48 (157) | ※  |
| 54 (177) | ※  |
| 60 (197) | ※  |
| 66 (217) | ※  |
| 72 (236) | ※  |
| 78 (256) | ※  |
| 84 (276) | ※  |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| 1U | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

## Long Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|---|---|
| 90 (295) |  |
| 96 (315) | ※  |
| 102 (335) | ※  |
| 108 (354) | ※  |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| 5.0 | 5.0 m (16.4 ft) | Luffing Insert Jib |
| 6.0 | 6.0 m (19.7 ft) | Luffing Insert Jib |
| 12.0 | 12.0 m (39.4 ft) | Luffing Insert Jib |
| U | 8.0 m (26.2 ft) | Jib Top |

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

# Heavy Fixed Jib Boom Arrangements (Type B1)

| Boom length m (ft) | Boom arrangement |
|---|---|
| 66 (217) | ※ L 6.0 6.0 12.0 12.0 12.0 8T 1U<br>L 12.0 12.0 12.0 12.0 8T 1U |
| 72 (236) | ※ L 12.0 12.0 6.0 12.0 12.0 8T 1U |
| 78 (256) | ※ L 12.0 12.0 6.0 6.0 12.0 12.0 8T 1U<br>L 12.0 12.0 12.0 12.0 12.0 8T 1U |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| 1U | 1.0 m (3.3 ft) | Boom Top |

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

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

# Heavy Fixed Jib Arrangements (Type B1)

| Jib length m (ft) | Jib arrangement |
|---|---|
| 18 (59) | JL JU |

| Symbol | Jib Length | Remarks |
|---|---|---|
| JL | 10.0 m (32.8 ft) | Jib Base |
| JU | 8.0 m (26.2 ft) | Jib Top |

# HEAVY LIFT

# BOOM AND JIB ARRANGEMENTS

## Luffing Boom Arrangements for Luffing

| Boom length m (ft) | Boom arrangement |
|---|---|
| 36 (118) | ※ L 6.0 12.0 8T LU |
| 42 (138) | ※ L 6.0 12.0 12.0 8T LU<br>L 12.0 12.0 8T LU |
| 48 (157) | ※ L 12.0 12.0 6.0 8T LU |
| 54 (177) | ※ L 6.0 6.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 8T LU |
| 60 (197) | ※ L 12.0 12.0 6.0 12.0 8T LU |
| 66 (217) | ※ L 6.0 6.0 12.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 12.0 8T LU |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| LU | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

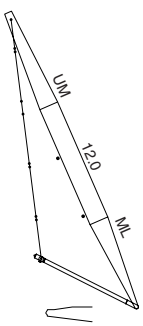
## Luffing Jib Arrangements

| Jib length m (ft) | Jib arrangement |
|---|---|
| 24 (79) | JL 6.0 JU |
| 30 (98) | ※ JL 6.0 6.0 JU<br>JL 12.0 JU |
| 36 (118) | ※ JL 6.0 12.0 JU |
| 42 (138) | ※ JL 6.0 6.0 12.0 JU<br>JL 12.0 12.0 JU |
| 48 (157) | ※ JL 6.0 12.0 12.0 JU |
| 54 (177) | ※ JL 6.0 6.0 12.0 12.0 JU<br>JL 12.0 12.0 12.0 JU |
| 60 (197) | ※ JL 6.0 12.0 12.0 12.0 JU |
| 66 (217) | ※ JL 6.0 6.0 12.0 12.0 12.0 JU<br>JL 12.0 12.0 12.0 12.0 JU |
| 72 (236) | ※ JL 6.0 12.0 12.0 12.0 12.0 JU |

| Symbol | Jib Length | Remarks |
|---|---|---|
| JL | 10.0 m (32.8 ft) | Jib Base |
| 6.0 | 6.0 m (19.7 ft) | Luffing Insert Jib |
| 12.0 | 12.0 m (39.4 ft) | Luffing Insert Jib |
| JU | 8.0 m (26.2 ft) | Jib Top |

※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

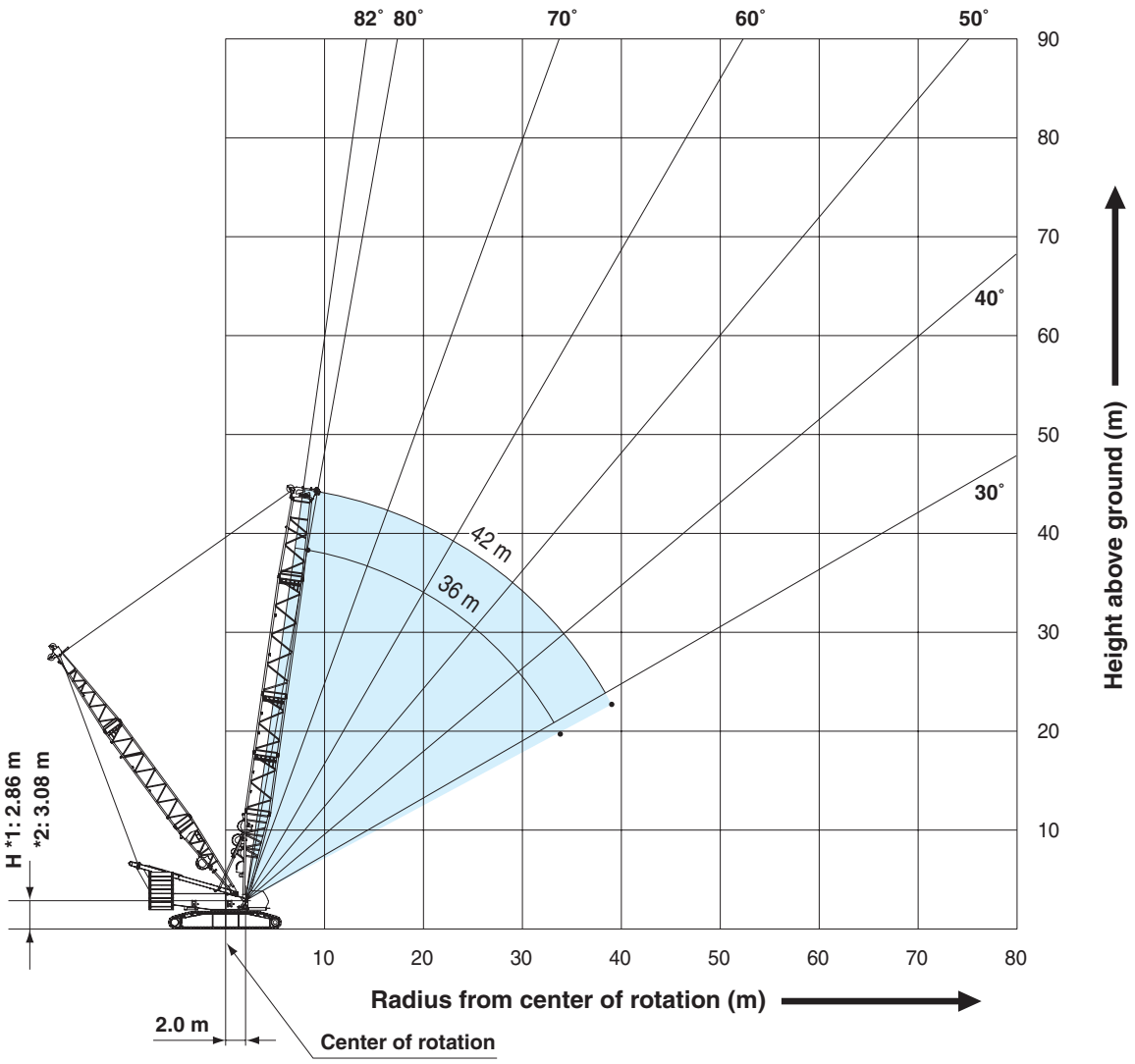
## HL MAST




| Symbol | Mast Length | Remarks |
|---|---|---|
| ML | 9.0 m (29.5 ft) | Mast Base |
| 12.0 | 12.0 m (39.4 ft) | Insert Mast |
| UM | 10.0 m (32.8 ft) | Mast Top |

# WORKING RANGES

## Heavy Duty Crane Boom

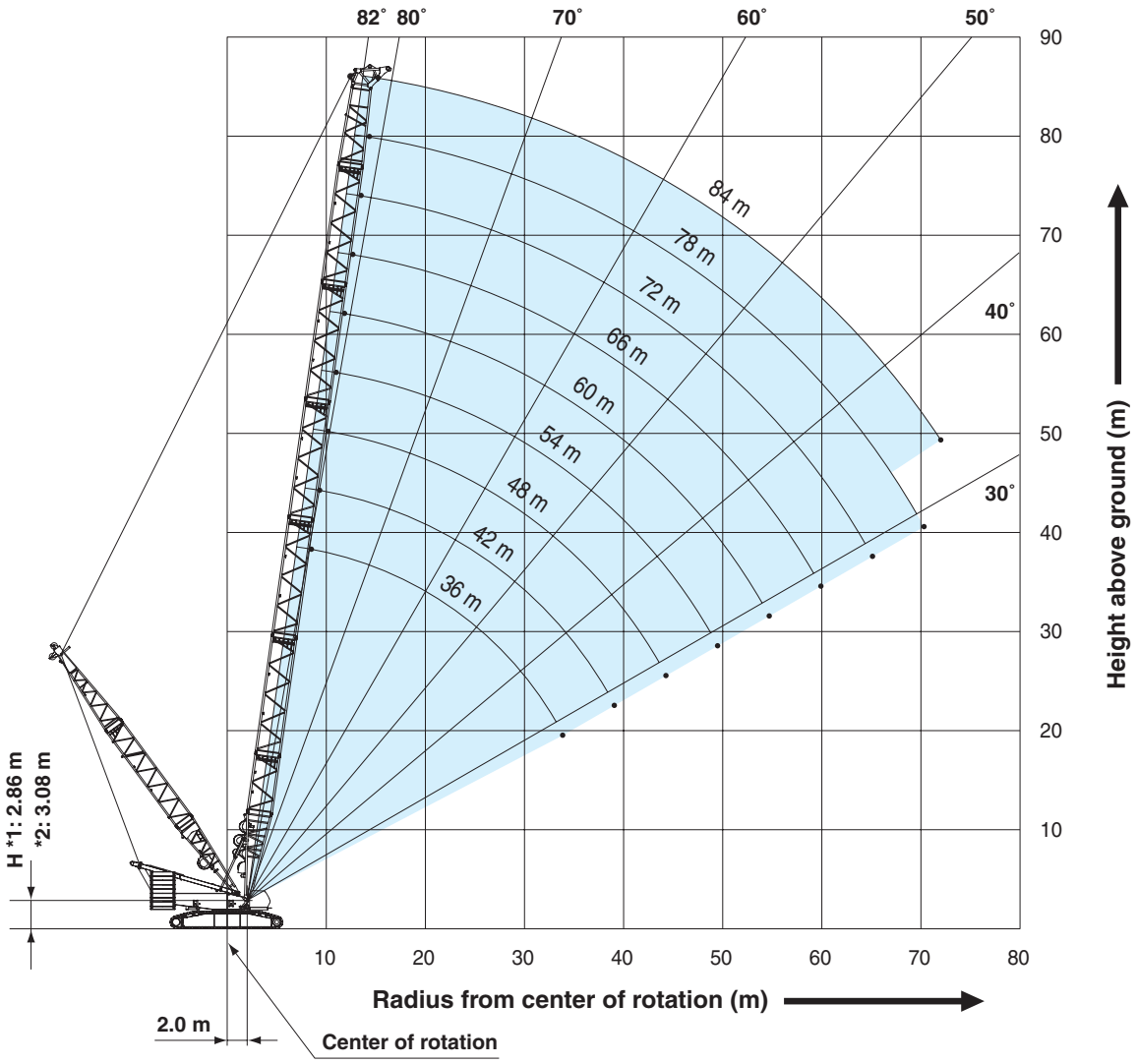



1: Without upper/lower connecting device
2: With upper/lower connecting device

# HEAVY LIFT

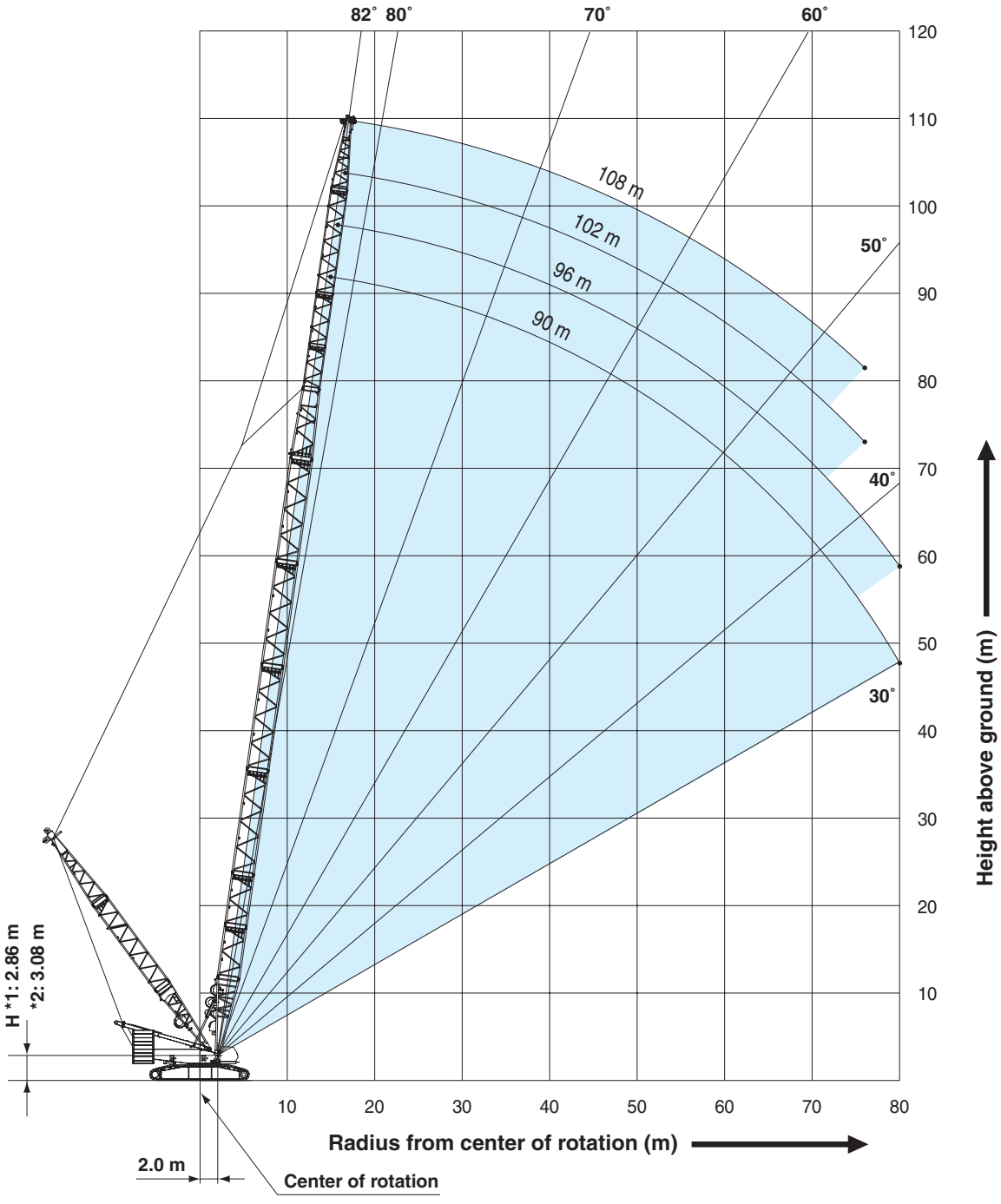
## WORKING RANGES

### Luffing Boom




1: Without upper/lower connecting device
2: With upper/lower connecting device

# Long Boom

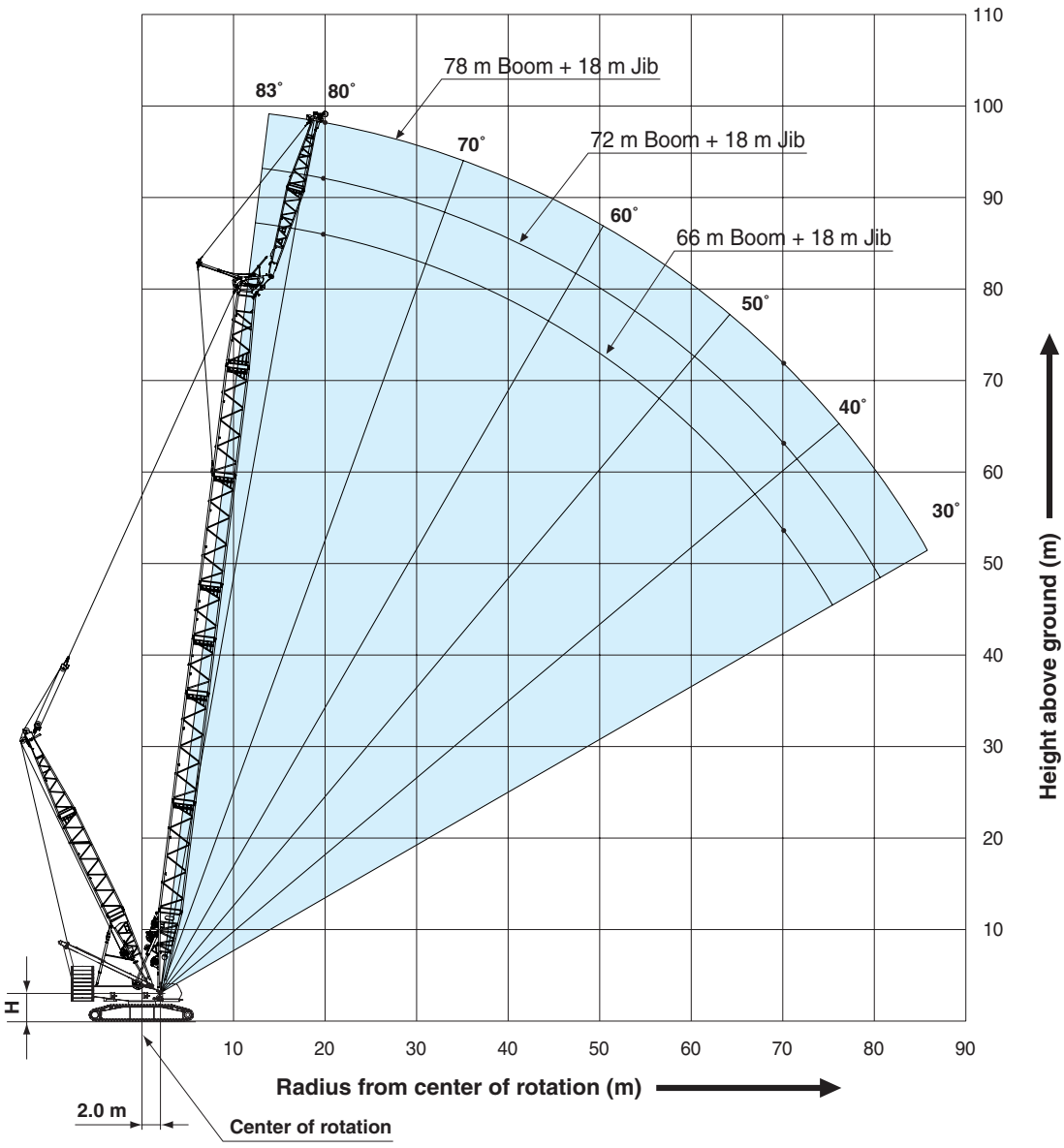



1: Without upper/lower connecting device
2: With upper/lower connecting device

# HEAVY LIFT

## WORKING RANGES

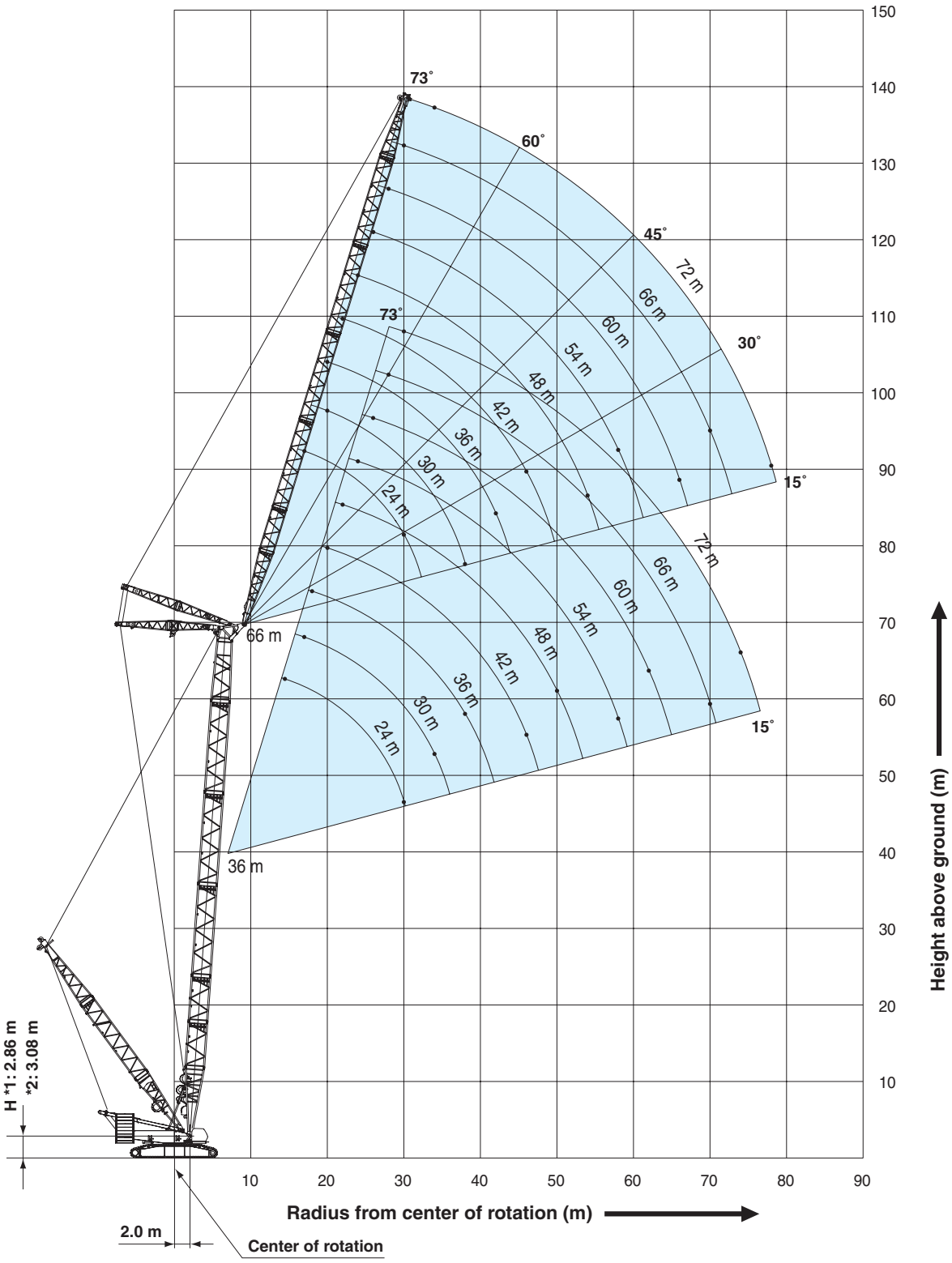
### Heavy Fixed Jib (Type B1)




H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

# Luffing Jib

## Boom Angle: 86°



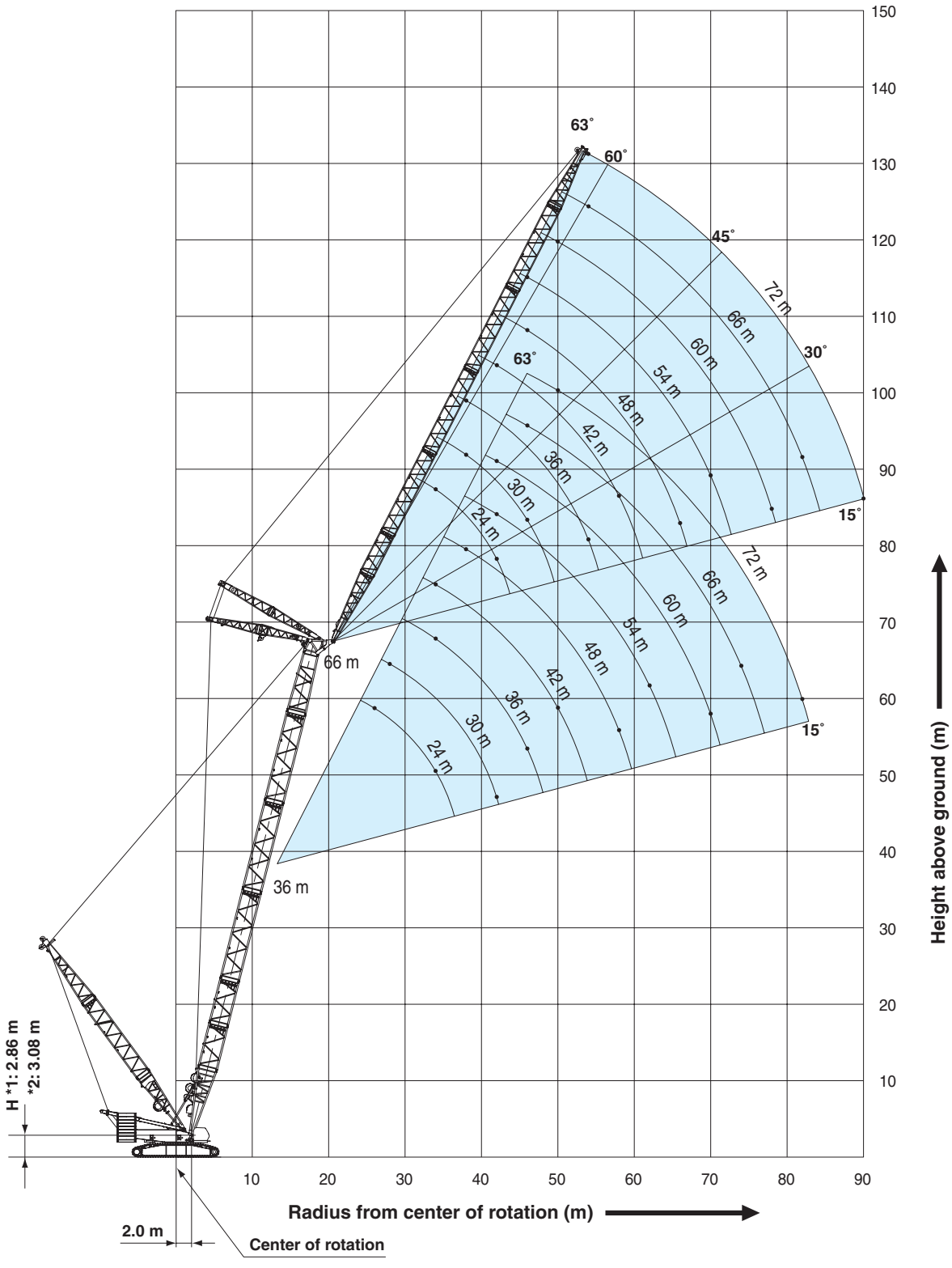

1: Without upper/lower connecting device
2: With upper/lower connecting device

# HEAVY LIFT

## WORKING RANGES

### Luffing Jib

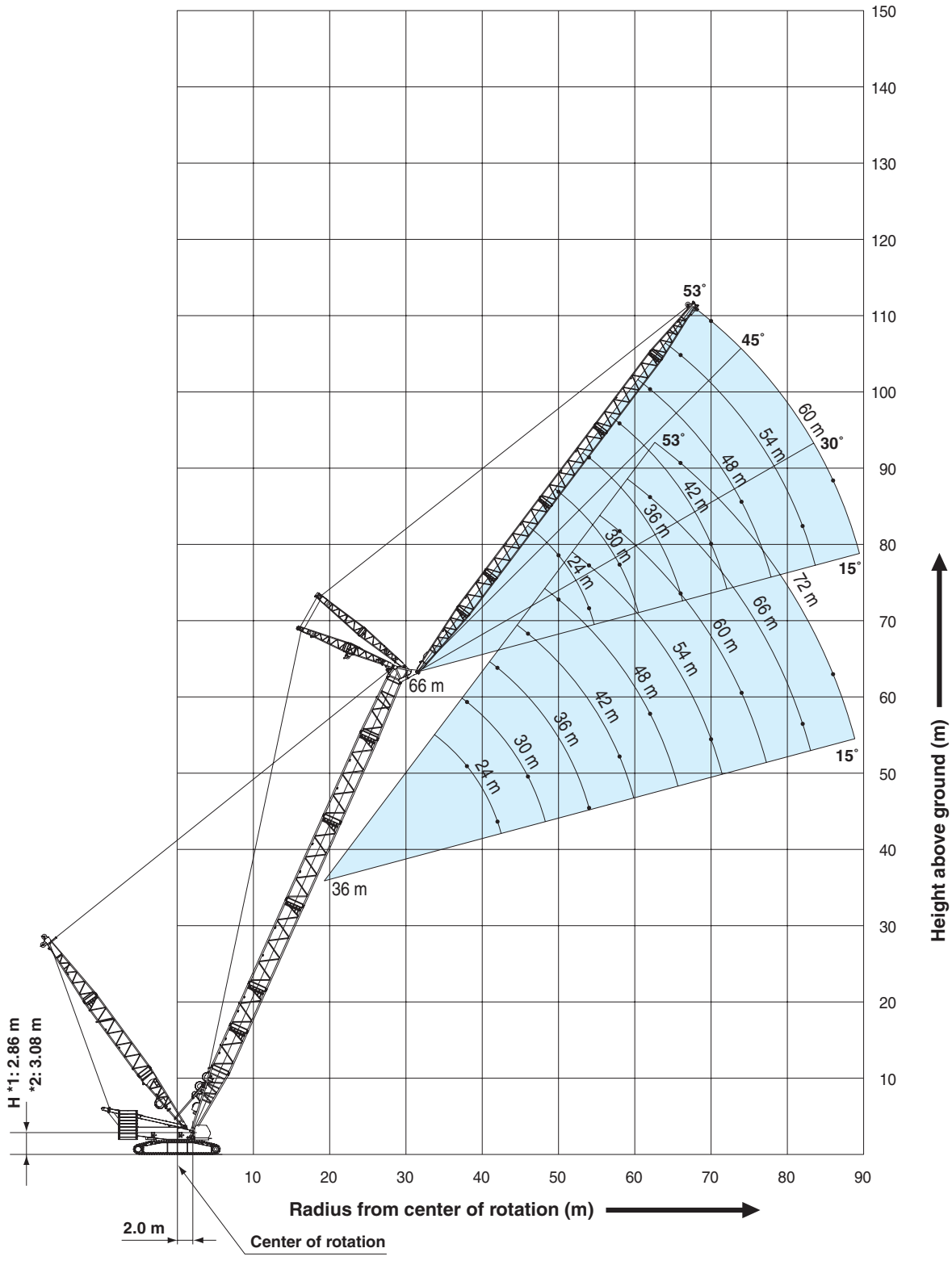
**Boom Angle: 76°**




1: Without upper/lower connecting device
2: With upper/lower connecting device

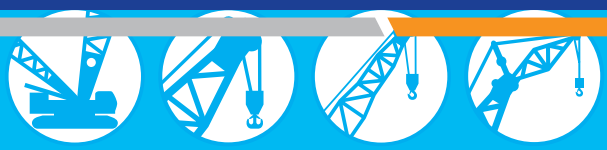
# Luffing Jib

## Boom Angle: 66°




1: Without upper/lower connecting device
2: With upper/lower connecting device

# HEAVY LIFT



# LIFTING CAPACITIES

## Heavy Duty Crane Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**HL Mast point radius: 11 m to 16 m**

| Working Radius (m) \ Boom Length (m) | 36.0 | 42.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|
| 8.0 | 8.3 m/367.5 | | 8.0 |
| 9.0 | 330.0 | 9.2 m/323.3 | 9.0 |
| 10.0 | 286.4 | 286.9 | 10.0 |
| 12.0 | 225.4 | 225.9 | 12.0 |
| 14.0 | 184.9 | 185.2 | 14.0 |
| 16.0 | 156.0 | 156.1 | 16.0 |
| 18.0 | 134.4 | 134.3 | 18.0 |
| 20.0 | 117.7 | 117.4 | 20.0 |
| 22.0 | 104.1 | 103.9 | 22.0 |
| 24.0 | 93.2 | 92.8 | 24.0 |
| 26.0 | 84.0 | 83.6 | 26.0 |
| 28.0 | 76.2 | 75.9 | 28.0 |
| 30.0 | 69.5 | 69.1 | 30.0 |
| 32.0 | 63.5 | 63.3 | 32.0 |
| 34.0 | 33.8 m/58.7 | 58.2 | 34.0 |
| 36.0 | | 53.7 | 36.0 |
| 38.0 | | 49.7 | 38.0 |
| 40.0 | | 39.0 m/47.8 | 40.0 |
| Reeves | 28 | 24 | Reeves |

Note:
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.

## Long Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**HL Mast point radius: 11 m to 16 m**

| Working Radius (m) \ Boom Length (m) | 90.0 | 96.0 | 102.0 | 108.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|---|---|
| 14.0 | 15.0 m/98.0 | 15.8 m/98.0 | | | 14.0 |
| 16.0 | 98.0 | 98.0 | 16.6 m/84.0 | 17.5 m /84.0 | 16.0 |
| 18.0 | 98.0 | 98.0 | 84.0 | 84.0 | 18.0 |
| 20.0 | 98.0 | 97.5 | 84.0 | 84.0 | 20.0 |
| 22.0 | 89.9 | 87.4 | 84.0 | 81.9 | 22.0 |
| 24.0 | 81.0 | 78.8 | 75.9 | 73.8 | 24.0 |
| 26.0 | 73.5 | 71.5 | 68.7 | 66.7 | 26.0 |
| 28.0 | 66.9 | 65.1 | 62.3 | 60.5 | 28.0 |
| 30.0 | 61.1 | 59.4 | 56.8 | 55.1 | 30.0 |
| 32.0 | 56.0 | 54.4 | 51.8 | 50.3 | 32.0 |
| 34.0 | 51.5 | 49.9 | 47.5 | 46.0 | 34.0 |
| 36.0 | 47.4 | 45.9 | 43.5 | 42.1 | 36.0 |
| 38.0 | 43.5 | 42.3 | 40.0 | 38.7 | 38.0 |
| 40.0 | 39.9 | 39.0 | 36.7 | 35.5 | 40.0 |
| 44.0 | 33.8 | 33.2 | 31.1 | 30.0 | 44.0 |
| 48.0 | 28.9 | 28.3 | 26.4 | 25.3 | 48.0 |
| 52.0 | 24.7 | 24.2 | 22.4 | 21.4 | 52.0 |
| 56.0 | 21.2 | 20.7 | 18.9 | 18.0 | 56.0 |
| 60.0 | 18.2 | 17.6 | 15.9 | 15.0 | 60.0 |
| 64.0 | 15.4 | 14.8 | 13.3 | 12.4 | 64.0 |
| 68.0 | 13.0 | 12.4 | 10.9 | 10.0 | 68.0 |
| 72.0 | 10.8 | 10.2 | 8.9 | 8.0 | 72.0 |
| 76.0 | 8.9 | 8.3 | 7.0 | 6.2 | 76.0 |
| 80.0 | 80.1 m/7.2 | 6.7 | | | 80.0 |
| Reeves | 7 | 7 | 6 | 6 | Reeves |

Note:
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.

## Heavy Fixed Jib (Type B1) Lifting Capacities

Unit: ton

**Counterweight: 200.0 ton, Carbody weight: 50.0 ton**
**HL Mast point radius: 11 m**

| Jib Length (m) | 18.0 | | | Jib Length (m) |
|---|---|---|---|---|
| Working Radius (m) \ Boom Length (m) | 66.0 | 72.0 | 78.0 | Boom Length (m) \ Working Radius (m) |
| 20.0 | 120.0 | 120.0 | 117.0 | 20.0 |
| 22.0 | 107.9 | 107.2 | 104.8 | 22.0 |
| 24.0 | 95.5 | 94.6 | 93.7 | 24.0 |
| 26.0 | 85.1 | 84.2 | 83.2 | 26.0 |
| 28.0 | 76.3 | 75.4 | 74.4 | 28.0 |
| 30.0 | 68.8 | 67.8 | 66.8 | 30.0 |
| 34.0 | 56.6 | 55.6 | 54.4 | 34.0 |
| 38.0 | 47.1 | 46.0 | 44.9 | 38.0 |
| 42.0 | 39.5 | 38.4 | 37.2 | 42.0 |
| 46.0 | 33.3 | 32.2 | 31.0 | 46.0 |
| 50.0 | 28.2 | 27.0 | 25.8 | 50.0 |
| 54.0 | 23.8 | 22.6 | 21.4 | 54.0 |
| 58.0 | 20.1 | 18.9 | 17.6 | 58.0 |
| 62.0 | 16.9 | 15.7 | 14.4 | 62.0 |
| 66.0 | 14.1 | 12.9 | 11.5 | 66.0 |
| 70.0 | 11.6 | 10.4 | 9.1 | 70.0 |
| Reeves | 10 | 10 | 10 | Reeves |

Note:
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# Luffing Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**HL Mast point radius: 11 m to 16 m**

| Working Radius (m) \ Boom Length (m) | 36.0 | 42.0 | 48.0 | 54.0 | 60.0 | 66.0 | 72.0 | 78.0 | 84.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|
| 8.0 | 8.5 m/300.0 | | | | | | | | | 8.0 |
| 9.0 | 300.0 | 9.3 m/300.0 | | | | | | | | 9.0 |
| 10.0 | 286.5 | 287.1 | 10.2 m/280.5 | 11.0 m/252.1 | 11.8 m/225.4 | | | | | 10.0 |
| 12.0 | 224.9 | 225.3 | 225.0 | 224.6 | 221.9 | 12.7 m/199.7 | 13.5 m/178.2 | | | 12.0 |
| 14.0 | 184.0 | 184.2 | 183.8 | 183.3 | 183.0 | 178.8 | 171.2 | 14.3 m/160.6 | 15.2 m/145.2 | 14.0 |
| 16.0 | 154.8 | 154.9 | 154.6 | 153.9 | 153.4 | 152.7 | 147.4 | 142.2 | 137.0 | 16.0 |
| 18.0 | 132.9 | 132.9 | 132.6 | 132.0 | 131.4 | 129.7 | 128.5 | 124.1 | 119.7 | 18.0 |
| 20.0 | 116.0 | 115.9 | 115.5 | 114.8 | 114.3 | 113.5 | 112.6 | 109.5 | 105.6 | 20.0 |
| 22.0 | 102.4 | 102.2 | 101.9 | 101.2 | 100.6 | 99.8 | 98.9 | 97.3 | 93.8 | 22.0 |
| 24.0 | 91.3 | 91.1 | 90.7 | 90.1 | 89.6 | 88.6 | 87.7 | 87.1 | 84.0 | 24.0 |
| 26.0 | 82.0 | 81.8 | 81.4 | 80.8 | 80.3 | 79.3 | 78.3 | 77.6 | 75.5 | 26.0 |
| 28.0 | 74.2 | 74.0 | 73.5 | 72.9 | 72.4 | 71.5 | 70.4 | 69.7 | 68.2 | 28.0 |
| 30.0 | 67.5 | 67.2 | 66.8 | 66.1 | 65.7 | 64.8 | 63.8 | 63.0 | 61.8 | 30.0 |
| 32.0 | 61.6 | 61.4 | 60.9 | 60.3 | 59.8 | 58.9 | 58.0 | 57.1 | 56.1 | 32.0 |
| 34.0 | 33.9 m/56.6 | 56.3 | 55.8 | 55.1 | 54.7 | 53.8 | 52.8 | 52.0 | 51.1 | 34.0 |
| 36.0 | | 51.7 | 51.3 | 50.6 | 50.2 | 49.3 | 48.3 | 47.4 | 46.4 | 36.0 |
| 38.0 | | 47.7 | 47.3 | 46.6 | 46.1 | 45.3 | 44.3 | 43.6 | 42.6 | 38.0 |
| 40.0 | | 39.1 m/45.6 | 43.6 | 43.0 | 42.5 | 41.7 | 40.7 | 40.0 | 39.0 | 40.0 |
| 42.0 | | | 40.4 | 39.7 | 39.3 | 38.4 | 37.5 | 36.7 | 35.6 | 42.0 |
| 44.0 | | | 37.4 | 36.8 | 36.3 | 35.5 | 34.5 | 33.7 | 32.7 | 44.0 |
| 46.0 | | | 44.3 m/37.0 | 34.1 | 33.7 | 32.8 | 31.8 | 31.0 | 30.0 | 46.0 |
| 48.0 | | | | 31.6 | 31.2 | 30.4 | 29.3 | 28.5 | 27.3 | 48.0 |
| 50.0 | | | | 49.5 m/29.9 | 29.0 | 28.1 | 27.1 | 26.1 | 24.9 | 50.0 |
| 52.0 | | | | | 26.9 | 26.0 | 25.0 | 23.9 | 22.6 | 52.0 |
| 54.0 | | | | | 25.0 | 24.1 | 23.0 | 21.8 | 20.6 | 54.0 |
| 56.0 | | | | | 54.7 m/24.3 | 22.4 | 21.2 | 20.0 | 18.7 | 56.0 |
| 58.0 | | | | | | 20.7 | 19.5 | 18.3 | 16.9 | 58.0 |
| 60.0 | | | | | | 59.9 m/19.2 | 18.0 | 16.7 | 15.3 | 60.0 |
| 62.0 | | | | | | | 16.6 | 15.3 | 13.9 | 62.0 |
| 64.0 | | | | | | | 15.4 | 14.0 | 12.5 | 64.0 |
| 66.0 | | | | | | | 65.1 m/14.8 | 12.8 | 11.2 | 66.0 |
| 68.0 | | | | | | | | 11.7 | 10.0 | 68.0 |
| 70.0 | | | | | | | | 10.6 | 8.8 | 70.0 |
| 72.0 | | | | | | | | 70.3 m/10.5 | 7.7 | 72.0 |
| Reeves | 24 | 24 | 24 | 20 | 20 | 16 | 16 | 12 | 12 | Reeves |

Note:
Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# HEAVY LIFT

## LIFTING CAPACITIES
### Luffing Jib Lifting Capacity

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**HL Mast point radius: 16 m**

**36.0 m Boom Length**

| Boom length (m) | 36.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 14.0 | 14.4 m/200.0 | | | | | | | | | | | | | | | 14.0 |
| 15.0 | 193.2 | | | | | | | | | | | | | | | 15.0 |
| 16.0 | 181.9 | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 170.3 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 159.4 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 141.1 | | | 132.7 | | | | | | | | | | | | 20.0 |
| 22.0 | 126.4 | | | 120.5 | | | | | | | | | | | | 22.0 |
| 24.0 | 114.4 | | | 110.2 | | | 101.5 | | | | | | | | | 24.0 |
| 26.0 | 103.2 | 96.0 | | 101.4 | | | 96.5 | | | | | | | | | 26.0 |
| 28.0 | 93.9 | 87.3 | | 92.1 | | | 89.3 | | | 76.0 | | | | | | 28.0 |
| 30.0 | 85.9 | 79.9 | | 84.3 | | | 83.0 | | | 74.1 | | | 64.3 | | | 30.0 |
| 34.0 | | 68.2 | | 71.7 | 65.9 | | 70.9 | | | 68.8 | | | 60.0 | | | 34.0 |
| 38.0 | | | 54.8 | 62.2 | 57.0 | | 61.3 | | | 60.2 | | | 54.2 | | | 38.0 |
| 42.0 | | | 48.2 | 54.7 | 50.1 | | 53.8 | 48.1 | | 52.7 | | | 49.3 | | | 42.0 |
| 46.0 | | | | 48.7 | 44.5 | 40.4 | 47.7 | 43.3 | | 46.6 | 40.5 | | 45.1 | | | 46.0 |
| 50.0 | | | | | 39.9 | 36.2 | 42.7 | 38.7 | | 41.6 | 37.4 | | 41.1 | 35.0 | | 50.0 |
| 54.0 | | | | | | 32.6 | 38.6 | 34.8 | 30.5 | 37.4 | 33.5 | | 36.9 | 33.0 | | 54.0 |
| 58.0 | | | | | | 29.7 | 35.1 | 31.6 | 28.3 | 33.8 | 30.2 | | 33.4 | 29.7 | | 58.0 |
| 62.0 | | | | | | | | 28.8 | 25.7 | 30.8 | 27.4 | 22.8 | 30.3 | 26.9 | | 62.0 |
| 66.0 | | | | | | | | | 23.5 | 28.2 | 25.0 | 22.0 | 27.7 | 24.5 | 19.4 | 66.0 |
| 70.0 | | | | | | | | | 21.6 | 25.9 | 22.9 | 20.0 | 25.4 | 22.3 | 19.4 | 70.0 |
| 74.0 | | | | | | | | | | | 21.0 | 18.3 | 23.4 | 20.5 | 17.7 | 74.0 |
| 78.0 | | | | | | | | | | | | 16.8 | | 18.8 | 16.2 | 78.0 |
| 82.0 | | | | | | | | | | | | 15.5 | | 17.4 | 14.9 | 82.0 |
| 86.0 | | | | | | | | | | | | | | | 13.7 | 86.0 |
| Reeves | 16 | | | 12 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

**42.0 m Boom Length**

| Boom length (m) | 42.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 15.0 | 15.4 m/181.6 | | | | | | | | | | | | | | | 15.0 |
| 16.0 | 175.9 | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 166.1 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 156.3 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 140.0 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 125.4 | | | 116.7 | | | | | | | | | | | | 22.0 |
| 24.0 | 113.5 | | | 106.9 | | | 94.1 | | | | | | | | | 24.0 |
| 26.0 | 102.7 | | | 98.4 | | | 93.1 | | | | | | | | | 26.0 |
| 28.0 | 93.4 | 85.4 | | 91.2 | | | 86.7 | | | 74.9 | | | | | | 28.0 |
| 30.0 | 85.5 | 78.2 | | 83.8 | | | 80.6 | | | 73.6 | | | 61.0 | | | 30.0 |
| 34.0 | | 66.6 | | 71.3 | | | 70.4 | | | 66.9 | | | 58.9 | | | 34.0 |
| 38.0 | | 57.8 | 52.5 | 61.8 | 55.5 | | 60.9 | | | 59.1 | | | 54.0 | | | 38.0 |
| 42.0 | | | 46.1 | 54.3 | 48.7 | | 53.4 | 46.7 | | 52.3 | | | 48.9 | | | 42.0 |
| 46.0 | | | | 48.4 | 43.2 | | 47.4 | 42.1 | | 46.3 | 39.1 | | 45.0 | | | 46.0 |
| 50.0 | | | | | 38.7 | 34.1 | 42.4 | 37.6 | | 41.3 | 36.2 | | 40.8 | 33.7 | | 50.0 |
| 54.0 | | | | | 35.0 | 30.9 | 38.3 | 33.8 | | 37.1 | 32.4 | | 36.7 | 32.0 | | 54.0 |
| 58.0 | | | | | | 28.0 | 34.8 | 30.6 | 25.7 | 33.5 | 29.2 | | 33.1 | 28.7 | | 58.0 |
| 62.0 | | | | | | 25.6 | | 27.8 | 24.1 | 30.5 | 26.5 | 20.9 | 30.0 | 26.0 | | 62.0 |
| 66.0 | | | | | | | | 25.5 | 22.0 | 27.9 | 24.1 | 20.5 | 27.4 | 23.6 | 17.4 | 66.0 |
| 70.0 | | | | | | | | | 20.2 | 25.7 | 22.0 | 18.6 | 25.1 | 21.5 | 17.4 | 70.0 |
| 74.0 | | | | | | | | | 18.6 | | 20.2 | 17.0 | 23.1 | 19.7 | 16.3 | 74.0 |
| 78.0 | | | | | | | | | | | 18.7 | 15.5 | | 18.0 | 14.8 | 78.0 |
| 82.0 | | | | | | | | | | | | 14.3 | | 16.6 | 13.5 | 82.0 |
| 86.0 | | | | | | | | | | | | | | | 12.3 | 86.0 |
| 90.0 | | | | | | | | | | | | | | | 11.2 | 90.0 |
| Reeves | 16 | | | 12 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# Luffing Jib Lifting Capacity

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**HL Mast point radius: 16 m**

**48.0 m Boom Length**

| Boom length (m) | 48.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 16.0 | 16.2 m/167.4 | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 160.1 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 150.8 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 135.8 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 123.4 | | | 113.0 | | | | | | | | | | | | 22.0 |
| 24.0 | 112.6 | | | 103.6 | | | 90.2 | | | | | | | | | 24.0 |
| 26.0 | 102.2 | | | 95.5 | | | 88.0 | | | | | | | | | 26.0 |
| 28.0 | 92.9 | 83.4 | | 88.4 | | | 84.1 | | | 67.3 | | | | | | 28.0 |
| 30.0 | 85.0 | 76.3 | | 82.3 | | | 78.3 | | | 66.0 | | | 58.4 | | | 30.0 |
| 34.0 | | 65.0 | | 70.9 | | | 68.5 | | | 62.9 | | | 56.3 | | | 34.0 |
| 38.0 | | 56.3 | | 61.4 | 53.9 | | 60.5 | | | 57.4 | | | 53.8 | | | 38.0 |
| 42.0 | | | 43.9 | 53.9 | 47.3 | | 53.1 | 45.1 | | 51.2 | | | 48.6 | | | 42.0 |
| 46.0 | | | 38.9 | 48.0 | 41.9 | | 47.0 | 40.8 | | 45.9 | | | 44.8 | | | 46.0 |
| 50.0 | | | | | 37.5 | 32.1 | 42.1 | 36.4 | | 41.0 | 33.2 | | 40.4 | 32.3 | | 50.0 |
| 54.0 | | | | | 33.8 | 29.0 | 37.9 | 32.6 | | 36.8 | 31.1 | | 36.4 | 30.0 | | 54.0 |
| 58.0 | | | | | | 26.2 | 34.5 | 29.5 | 23.8 | 33.3 | 28.2 | | 32.8 | 27.1 | | 58.0 |
| 62.0 | | | | | | 23.8 | | 26.8 | 22.5 | 30.2 | 25.5 | | 29.8 | 24.6 | | 62.0 |
| 66.0 | | | | | | | | 24.6 | 20.4 | 27.6 | 23.2 | 16.5 | 27.2 | 22.4 | | 66.0 |
| 70.0 | | | | | | | | | 18.6 | 25.4 | 21.1 | 16.5 | 24.9 | 20.5 | 13.5 | 70.0 |
| 74.0 | | | | | | | | | 17.1 | | 19.4 | 15.0 | 22.9 | 18.8 | 13.5 | 74.0 |
| 78.0 | | | | | | | | | | | 17.8 | 13.7 | | 17.2 | 12.7 | 78.0 |
| 82.0 | | | | | | | | | | | | 12.5 | | 15.8 | 11.5 | 82.0 |
| 86.0 | | | | | | | | | | | | 11.6 | | | 10.4 | 86.0 |
| 90.0 | | | | | | | | | | | | | | | 9.5 | 90.0 |
| Reeves | 16 | | | 12 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

**54.0 m Boom Length**

| Boom length (m) | 54.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 17.0 | 154.3 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 145.5 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 131.2 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 119.3 | | | 109.3 | | | | | | | | | | | | 22.0 |
| 24.0 | 109.4 | | | 100.2 | | | | | | | | | | | | 24.0 |
| 26.0 | 101.0 | | | 92.5 | | | 80.7 | | | | | | | | | 26.0 |
| 28.0 | 92.4 | | | 85.7 | | | 78.2 | | | 63.1 | | | | | | 28.0 |
| 30.0 | 84.5 | 74.3 | | 79.8 | | | 75.6 | | | 61.8 | | | 55.1 | | | 30.0 |
| 34.0 | | 63.2 | | 69.9 | | | 66.5 | | | 58.7 | | | 52.9 | | | 34.0 |
| 38.0 | | 54.7 | | 60.9 | 51.7 | | 58.9 | | | 55.2 | | | 50.3 | | | 38.0 |
| 42.0 | | | 41.4 | 53.5 | 45.8 | | 52.6 | | | 49.6 | | | 47.5 | | | 42.0 |
| 46.0 | | | 36.7 | 47.6 | 40.5 | | 46.7 | 38.2 | | 44.6 | | | 43.4 | | | 46.0 |
| 50.0 | | | | | 36.2 | | 41.7 | 34.8 | | 40.3 | 31.8 | | 39.2 | | | 50.0 |
| 54.0 | | | | | 32.6 | 26.7 | 37.6 | 31.5 | | 36.5 | 28.9 | | 35.5 | 27.2 | | 54.0 |
| 58.0 | | | | | 29.6 | 24.3 | 34.2 | 28.4 | | 33.0 | 26.1 | | 32.4 | 25.1 | | 58.0 |
| 62.0 | | | | | | 22.0 | | 25.8 | 19.0 | 30.0 | 23.7 | | 29.5 | 22.7 | | 62.0 |
| 66.0 | | | | | | 20.1 | | 23.5 | 18.2 | 27.4 | 21.6 | | 26.9 | 20.6 | | 66.0 |
| 70.0 | | | | | | | | | 16.6 | 25.1 | 19.8 | 12.6 | 24.6 | 18.8 | | 70.0 |
| 74.0 | | | | | | | | | 15.2 | | 18.2 | 12.6 | 22.6 | 17.1 | 9.8 | 74.0 |
| 78.0 | | | | | | | | | 14.1 | | 16.8 | 11.4 | | 15.7 | 9.8 | 78.0 |
| 82.0 | | | | | | | | | | | | 10.3 | | 14.4 | 9.3 | 82.0 |
| 86.0 | | | | | | | | | | | | 9.3 | | 13.4 | 8.3 | 86.0 |
| 90.0 | | | | | | | | | | | | 8.6 | | | 7.4 | 90.0 |
| 94.0 | | | | | | | | | | | | | | | 6.7 | 94.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# HEAVY LIFT

## LIFTING CAPACITIES
### Luffing Jib Lifting Capacity

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**HL Mast point radius: 16 m**

**60.0 m Boom Length**

| Boom length (m) | 60.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle / Working Radius (m) | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle / Working Radius (m) |
| 17.0 | 17.8 m/141.8 | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 140.3 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 126.7 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 115.4 | | | 103.2 | | | | | | | | | | | | 22.0 |
| 24.0 | 105.9 | | | 97.0 | | | | | | | | | | | | 24.0 |
| 26.0 | 97.8 | | | 89.5 | | | 76.5 | | | | | | | | | 26.0 |
| 28.0 | 90.8 | | | 83.0 | | | 74.2 | | | | | | | | | 28.0 |
| 30.0 | 84.0 | | | 77.3 | | | 71.7 | | | 58.2 | | | | | | 30.0 |
| 34.0 | | 61.4 | | 67.8 | | | 64.4 | | | 55.3 | | | 49.4 | | | 34.0 |
| 38.0 | | 53.1 | | 60.2 | | | 57.1 | | | 52.1 | | | 47.0 | | | 38.0 |
| 42.0 | | 46.6 | | 53.1 | 43.2 | | 51.0 | | | 48.1 | | | 44.3 | | | 42.0 |
| 46.0 | | | 34.5 | 47.1 | 38.7 | | 46.0 | 36.1 | | 43.2 | | | 41.6 | | | 46.0 |
| 50.0 | | | 30.7 | | 34.9 | | 41.3 | 32.5 | | 39.0 | 29.7 | | 37.9 | | | 50.0 |
| 54.0 | | | | | 31.3 | | 37.2 | 29.3 | | 35.4 | 26.7 | | 34.4 | 25.7 | | 54.0 |
| 58.0 | | | | | 28.4 | 21.7 | 33.8 | 26.6 | | 32.3 | 24.1 | | 31.3 | 23.1 | | 58.0 |
| 62.0 | | | | | | 19.7 | | 24.3 | 16.8 | 29.6 | 21.8 | | 28.6 | 20.8 | | 62.0 |
| 66.0 | | | | | | 18.0 | | 22.4 | 15.6 | 27.1 | 19.8 | | 26.3 | 18.8 | | 66.0 |
| 70.0 | | | | | | | | 20.6 | 14.1 | 24.8 | 18.0 | 10.5 | 24.2 | 17.0 | | 70.0 |
| 74.0 | | | | | | | | | 12.8 | | 16.5 | 10.3 | 22.4 | 15.5 | | 74.0 |
| 78.0 | | | | | | | | | 11.7 | | 15.1 | 9.1 | 20.6 | 14.1 | | 78.0 |
| 82.0 | | | | | | | | | | | 14.1 | 8.1 | | 12.9 | | 82.0 |
| 86.0 | | | | | | | | | | | | 7.2 | | 11.9 | | 86.0 |
| 90.0 | | | | | | | | | | | | 6.5 | | | | 90.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

**66.0 m Boom Length**

| Boom length (m) | 66.0 | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | Jib length (m) |
| Boom angle / Working Radius (m) | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle / Working Radius (m) |
| 18.0 | 18.5 m/131.7 | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 122.2 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 111.4 | | | 95.3 | | | | | | | | | | | | 22.0 |
| 24.0 | 102.3 | | | 91.5 | | | | | | | | | | | | 24.0 |
| 26.0 | 94.5 | | | 86.5 | | | 71.3 | | | | | | | | | 26.0 |
| 28.0 | 87.8 | | | 80.3 | | | 68.1 | | | | | | | | | 28.0 |
| 30.0 | 82.0 | | | 74.8 | | | 66.6 | | | 55.1 | | | | | | 30.0 |
| 34.0 | | 57.5 | | 65.6 | | | 61.6 | | | 52.2 | | | 46.4 | | | 34.0 |
| 38.0 | | 50.8 | | 58.2 | | | 55.2 | | | 49.0 | | | 44.0 | | | 38.0 |
| 42.0 | | 45.0 | | 52.2 | 40.1 | | 49.3 | | | 45.7 | | | 41.4 | | | 42.0 |
| 46.0 | | | | 46.7 | 35.9 | | 44.5 | 33.4 | | 41.7 | | | 38.8 | | | 46.0 |
| 50.0 | | | 28.0 | | 32.3 | | 40.3 | 29.9 | | 37.6 | | | 36.2 | | | 50.0 |
| 54.0 | | | 25.4 | | 29.3 | | 36.9 | 26.9 | | 34.2 | 24.4 | | 33.1 | 23.4 | | 54.0 |
| 58.0 | | | | | 26.8 | 18.4 | 33.4 | 24.4 | | 31.2 | 21.9 | | 30.1 | 20.9 | | 58.0 |
| 62.0 | | | | | | 16.6 | | 22.2 | | 28.6 | 19.7 | | 27.5 | 18.8 | | 62.0 |
| 66.0 | | | | | | 15.0 | | 20.3 | 12.5 | 26.3 | 17.8 | | 25.3 | 16.9 | | 66.0 |
| 70.0 | | | | | | 13.7 | | 18.7 | 11.4 | 24.4 | 16.1 | | 23.3 | 15.2 | | 70.0 |
| 74.0 | | | | | | | | | 10.2 | | 14.7 | | 21.5 | 13.7 | | 74.0 |
| 78.0 | | | | | | | | | 9.1 | | 13.4 | | 20.1 | 12.4 | | 78.0 |
| 82.0 | | | | | | | | | 8.3 | | 12.3 | | | 11.2 | | 82.0 |
| 86.0 | | | | | | | | | | | | | | 10.2 | | 86.0 |
| 90.0 | | | | | | | | | | | | | | 9.4 | | 90.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# SUPER HEAVY LIFT

## BOOM AND JIB ARRANGEMENTS

### Heavy Duty Crane Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|---|---|
| 36 (118) | ※ L 6.0 12.0 8T U |
| 42 (138) | ※ L 6.0 12.0 6.0 8T U<br>L 12.0 12.0 8T U |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| U | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heav duty boom arrangements.

### Luffing Boom Arrangements for Crane

| Boom length m (ft) | Boom arrangement |
|---|---|
| 36 (118) | ※ L 6.0 12.0 8T 1U |
| 42 (138) | ※ L 6.0 12.0 6.0 8T 1U<br>L 12.0 12.0 8T 1U |
| 48 (157) | ※ L 12.0 12.0 6.0 8T 1U |
| 54 (177) | ※ L 6.0 6.0 12.0 12.0 8T 1U<br>L 12.0 12.0 12.0 8T 1U |
| 60 (197) | ※ L 12.0 12.0 6.0 12.0 8T 1U |
| 66 (217) | ※ L 6.0 6.0 12.0 12.0 12.0 8T 1U<br>L 12.0 12.0 12.0 12.0 8T 1U |
| 72 (236) | ※ L 12.0 12.0 6.0 12.0 12.0 8T 1U |
| 78 (256) | ※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T 1U<br>L 12.0 12.0 12.0 12.0 12.0 8T 1U |
| 84 (276) | ※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T 1U |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| 1U | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

### Long Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|---|---|
| 90 (295) | L 12.0 12.0 6.0 12.0 12.0 8T 5.0 6.0 U |
| 96 (315) | ※ L 12.0 12.0 6.0 12.0 12.0 8T 5.0 6.0 6.0 U<br>L 12.0 12.0 6.0 12.0 12.0 8T 5.0 12.0 U |
| 102 (335) | ※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 6.0 U<br>L 12.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 6.0 U<br>L 6.0 6.0 12.0 12.0 12.0 12.0 8T 5.0 12.0 U<br>L 12.0 12.0 12.0 12.0 12.0 8T 5.0 12.0 U |
| 108 (354) | ※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 12.0 U<br>L 12.0 12.0 12.0 12.0 12.0 8T 5.0 6.0 12.0 U |
| 114 (374) | ※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T 5.0 6.0 12.0 U |
| 120 (394) | ※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T 5.0 6.0 6.0 12.0 U<br>L 12.0 12.0 6.0 12.0 12.0 12.0 8T 5.0 12.0 12.0 U |
| 126 (413) | ※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T 5.0 6.0 12.0 12.0 U |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| 5.0 | 5.0 m (16.4 ft) | Luffing Insert Jib |
| 6.0 | 6.0 m (19.7 ft) | Luffing Insert Jib |
| 12.0 | 12.0 m (39.4 ft) | Luffing Insert Jib |
| U | 8.0 m (26.2 ft) | Luffing Top |

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

# Heavy Fixed Jib Boom Arrangements (Type B2)

| Boom length m (ft) | Boom arrangement |
|---|---|
| 66 (217) | ※ L 6.0 6.0 12.0 12.0 12.0 8T 1U<br>L 12.0 12.0 12.0 12.0 8T 1U |
| 72 (236) | ※ L 12.0 12.0 6.0 12.0 12.0 8T 1U |
| 78 (256) | ※ L 12.0 12.0 6.0 6.0 12.0 12.0 8T 1U<br>L 12.0 12.0 12.0 12.0 12.0 8T 1U |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| 1U | 1.0 m (3.3 ft) | Boom Top |

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

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

# Heavy Fixed Jib Arrangements (Type B2)

| Jib length m (ft) | Jib arrangement |
|---|---|
| 18 (59) | JL JU |

| Symbol | Jib Length | Remarks |
|---|---|---|
| JL | 10.0 m (32.8 ft) | Jib Base |
| JU | 8.0 m (26.2 ft) | Jib Top |

# Heavy Fixed Jib Boom Arrangements (Type C)

| Boom length m (ft) | Boom arrangement |
|---|---|
| 84 (276) | ※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T 1U |
| 90 (296) | ※ L 12.0 12.0 6.0 6.0 12.0 12.0 12.0 8T 1U<br>L 12.0 12.0 12.0 12.0 12.0 12.0 8T 1U |
| 96 (316) | ※ L 12.0 12.0 6.0 12.0 12.0 12.0 12.0 8T 1U |
| 102 (336) | ※ L 12.0 12.0 6.0 6.0 12.0 12.0 12.0 12.0 8T 1U |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| 1U | 1.0 m (3.3 ft) | Boom Top |

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

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter hevy duty boom arrangements.

# Heavy Fixed Jib Arrangements (Type C)

| Jib length m (ft) | Jib arrangement |
|---|---|
| 18 (59) | JL JU |

| Symbol | Jib Length | Remarks |
|---|---|---|
| JL | 10.0 m (32.8 ft) | Jib Base |
| JU | 8.0 m (26.2 ft) | Jib Top |

# SUPER HEAVY LIFT

## BOOM AND JIB ARRANGEMENTS

### Luffing Boom Arrangements for Luffing

| Boom length m (ft) | Boom arrangement |
|---|---|
| 36 (118) | ※ L 6.0 12.0 8T LU |
| 42 (138) | ※ L 6.0 12.0 6.0 8T LU<br>L 12.0 12.0 8T LU |
| 48 (157) | ※ L 12.0 12.0 6.0 8T LU |
| 54 (177) | ※ L 6.0 6.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 8T LU |
| 60 (197) | ※ L 12.0 12.0 6.0 12.0 8T LU |
| 66 (217) | ※ L 6.0 6.0 12.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 12.0 8T LU |
| 72 (236) | ※ L 12.0 12.0 6.0 12.0 12.0 8T LU |
| 78 (256) | ※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T LU<br>L 12.0 12.0 12.0 12.0 12.0 8T LU |
| 84 (276) | ※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T LU |

| Symbol | Boom Length | Remarks |
|---|---|---|
| L | 9.0 m (29.5 ft) | Boom Base |
| 8T | 8.0 m (26.2 ft) | Tapered Boom |
| 6.0 | 6.0 m (19.7 ft) | Insert Boom |
| 12.0 | 12.0 m (39.4 ft) | Insert Boom |
| LU | 1.0 m (3.3 ft) | Boom Top |

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

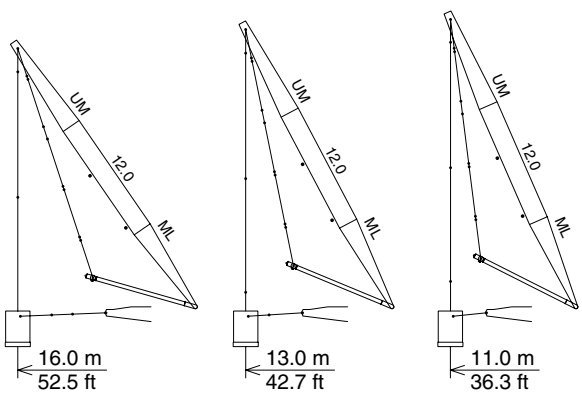
### Luffing Jib Arrangements

| Jib length m (ft) | Jib arrangement |
|---|---|
| 24 (79) | JL 6.0 JU |
| 30 (98) | ※ JL 6.0 6.0 JU<br>JL 12.0 JU |
| 36 (118) | ※ JL 6.0 12.0 JU |
| 42 (138) | ※ JL 6.0 6.0 12.0 JU<br>JL 12.0 12.0 JU |
| 48 (157) | ※ JL 6.0 12.0 12.0 JU |
| 54 (177) | ※ JL 6.0 6.0 12.0 12.0 JU<br>JL 12.0 12.0 12.0 JU |
| 60 (197) | ※ JL 6.0 12.0 12.0 12.0 JU |
| 66 (217) | ※ JL 12.0 12.0 12.0 6.0 6.0 JU<br>JL 12.0 12.0 12.0 12.0 JU |
| 72 (236) | ※ JL 12.0 12.0 12.0 6.0 12.0 JU |
| 78 (256) | JL 12.0 12.0 12.0 6.0 6.0 12.0 JU<br>JL 12.0 12.0 12.0 12.0 12.0 JU |
| 84 (276) | ※ JL 12.0 12.0 12.0 6.0 12.0 12.0 JU |

| Symbol | Jib Length | Remarks |
|---|---|---|
| JL | 10.0 m (32.8 ft) | Jib Base |
| 6.0 | 6.0 m (19.7 ft) | Luffing Insert Jib |
| 12.0 | 12.0 m (39.4 ft) | Luffing Insert Jib |
| JU | 8.0 m (26.2 ft) | Jib Top |

※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

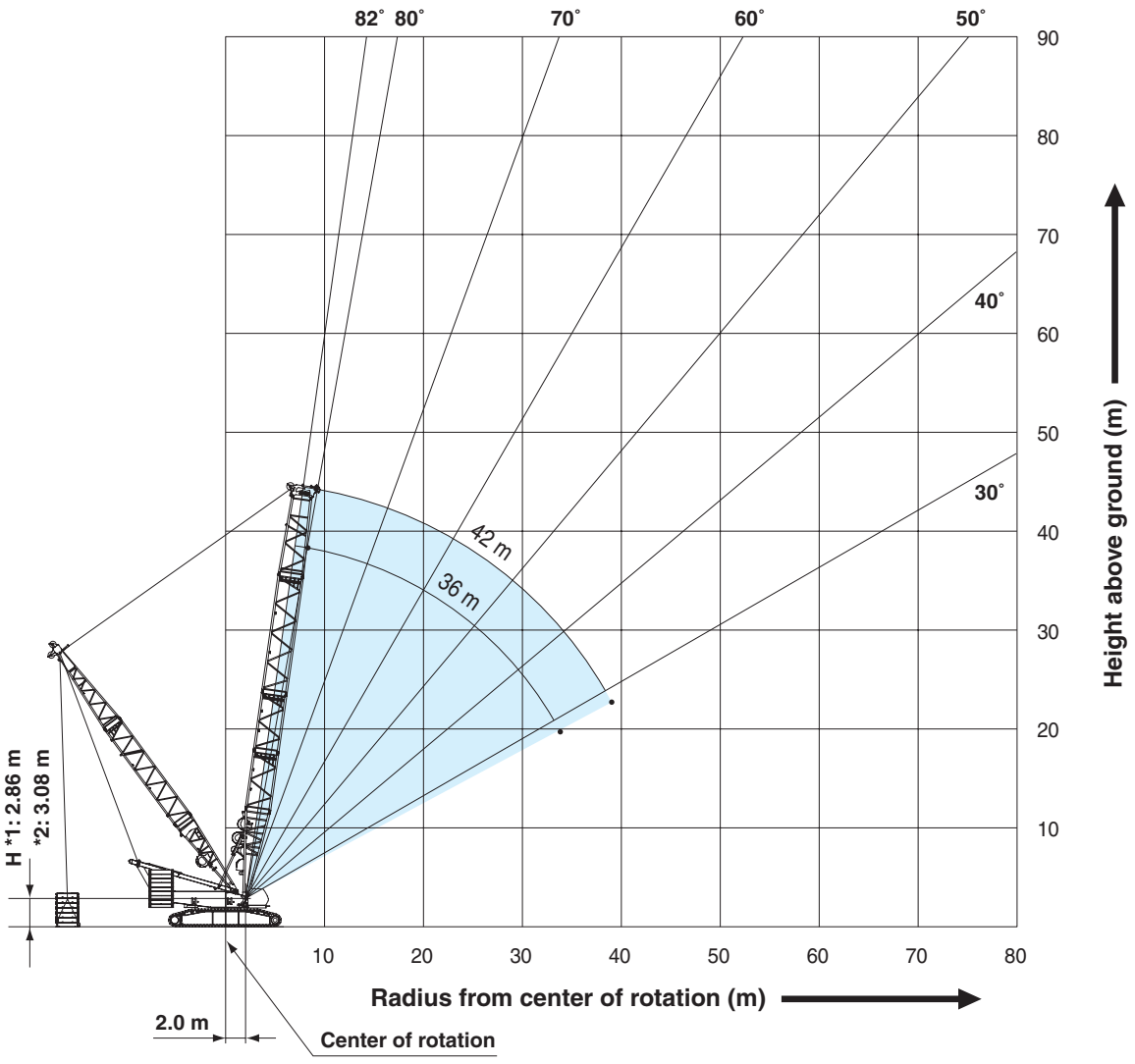
### SHL MAST




| Symbol | Mast Length | Remarks |
|---|---|---|
| ML | 9.0 m (29.5 ft) | Mast Base |
| 12.0 | 12.0 m (39.4 ft) | Insert Mast |
| UM | 10.0 m (32.8 ft) | Mast Top |

# WORKING RANGES

## Heavy Duty Crane Boom

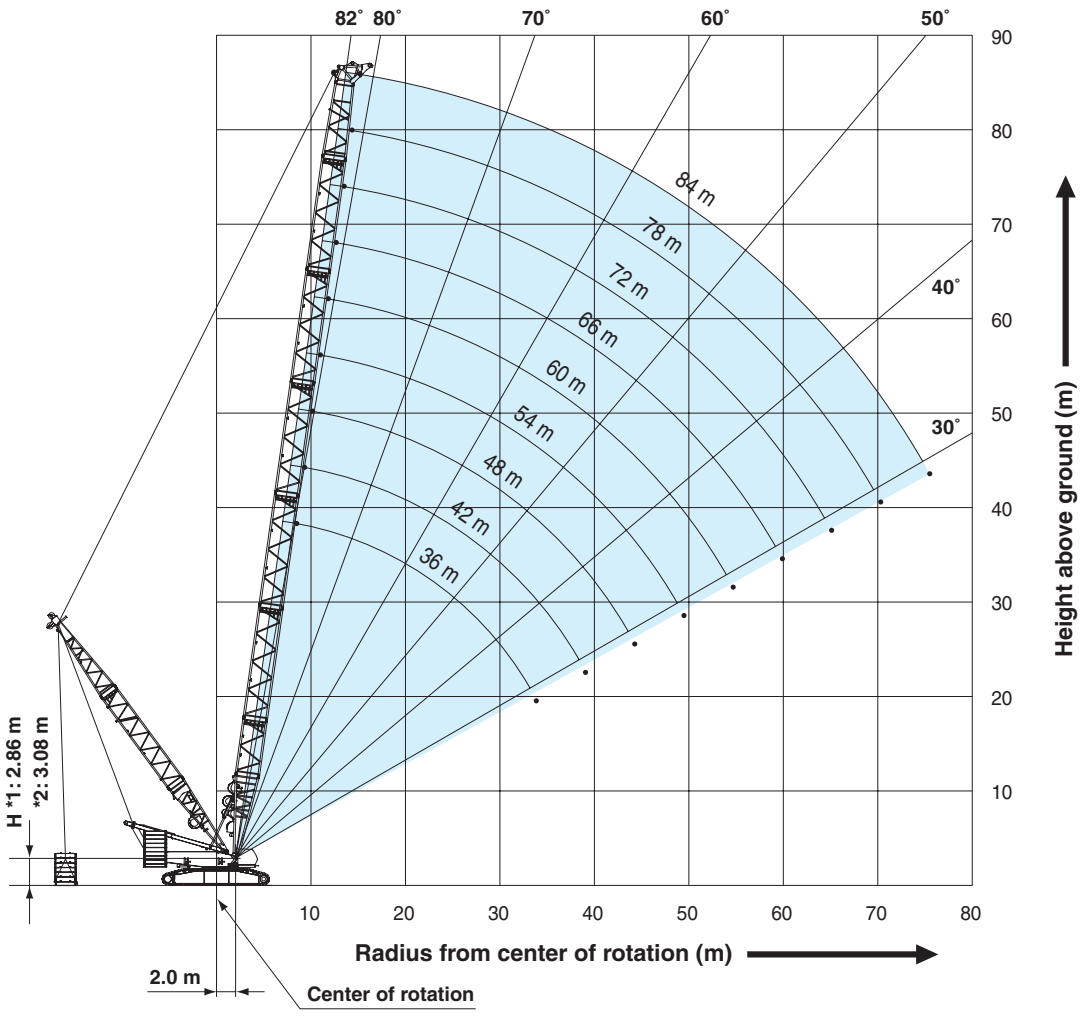



1: Without upper/lower connecting device
2: With upper/lower connecting device

# SUPER HEAVY LIFT

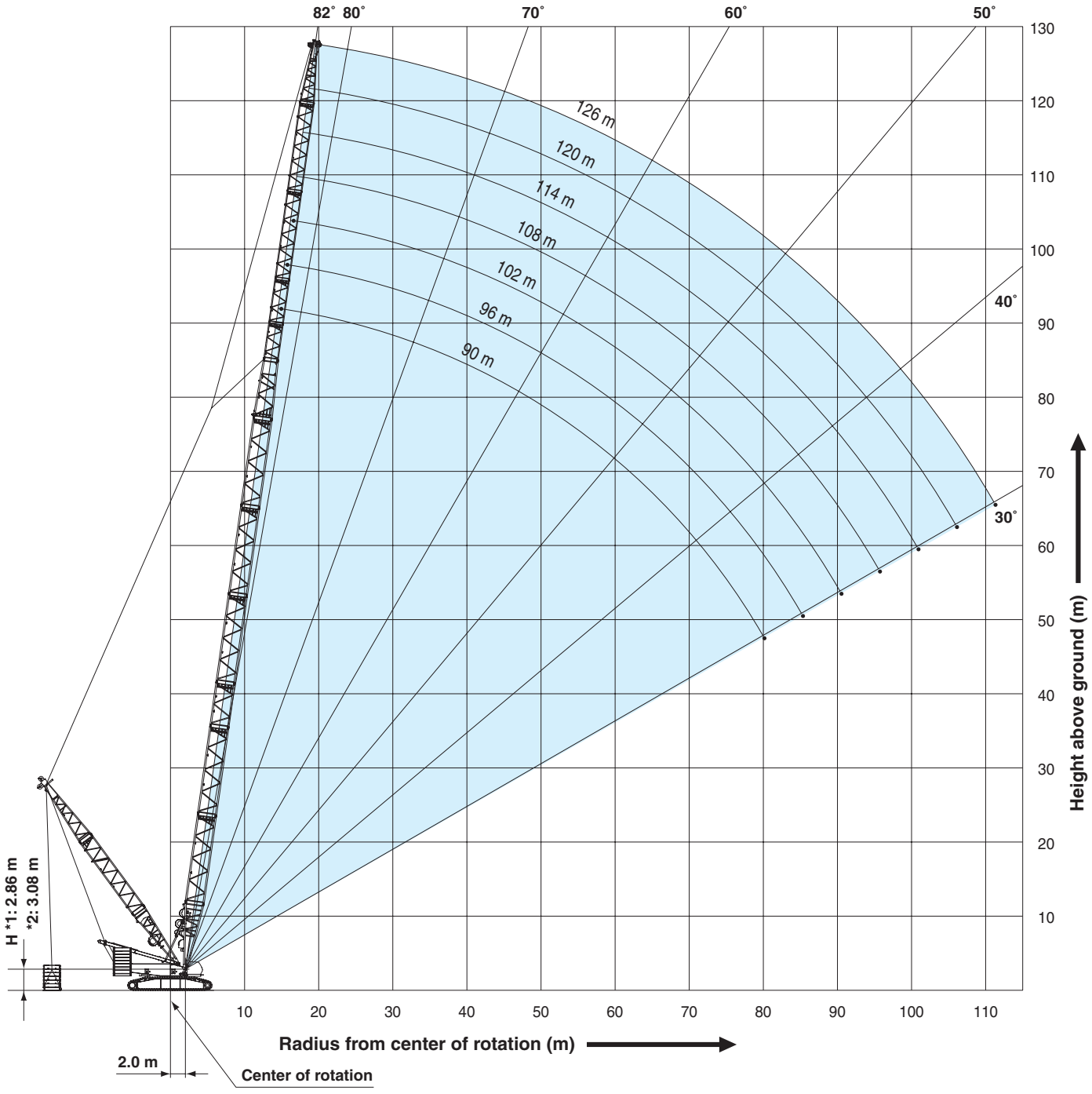
## WORKING RANGES

### Luffing Boom




1: Without upper/lower connecting device
2: With upper/lower connecting device

# Long Boom

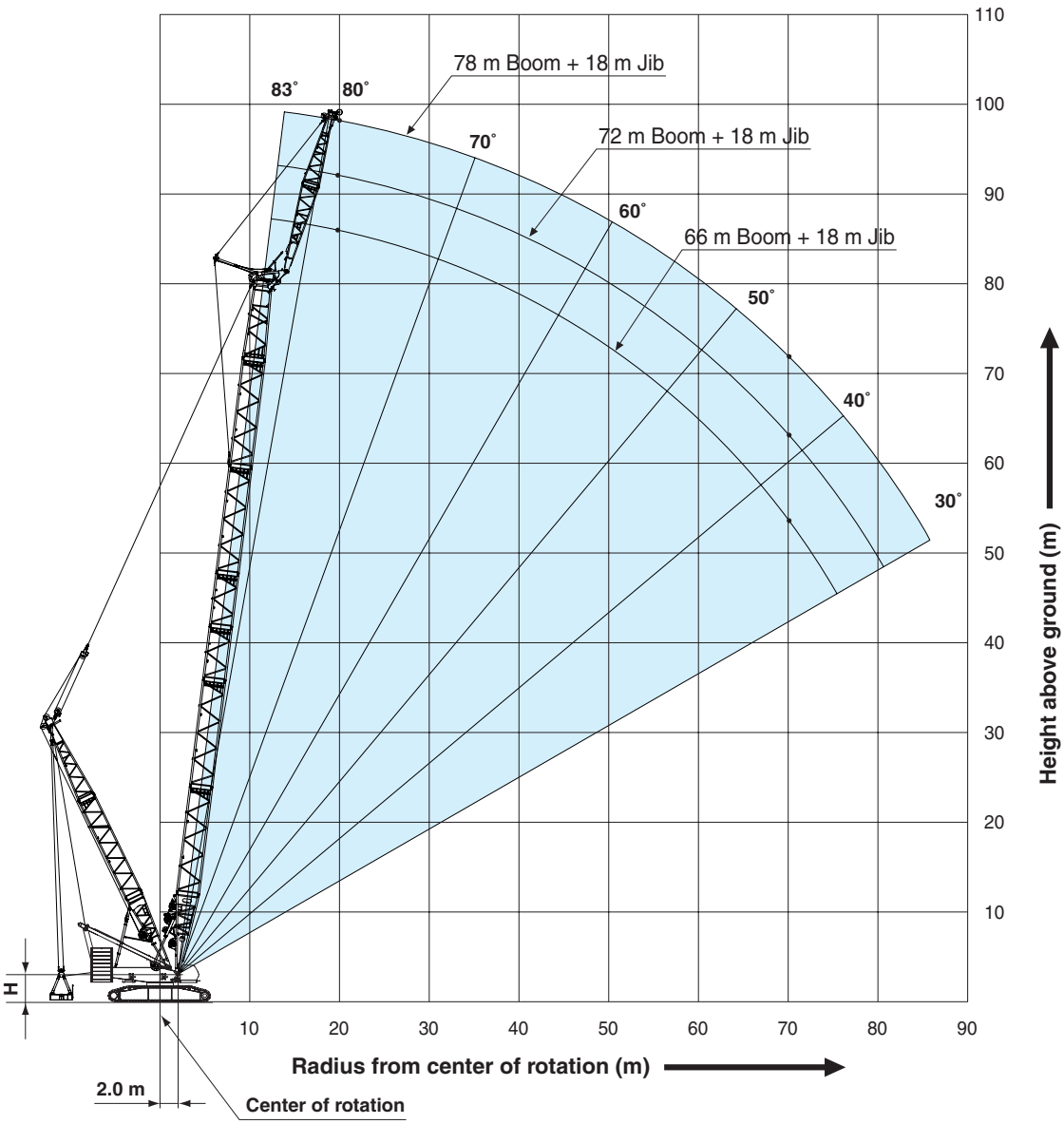



1: Without upper/lower connecting device
2: With upper/lower connecting device

# SUPER HEAVY LIFT

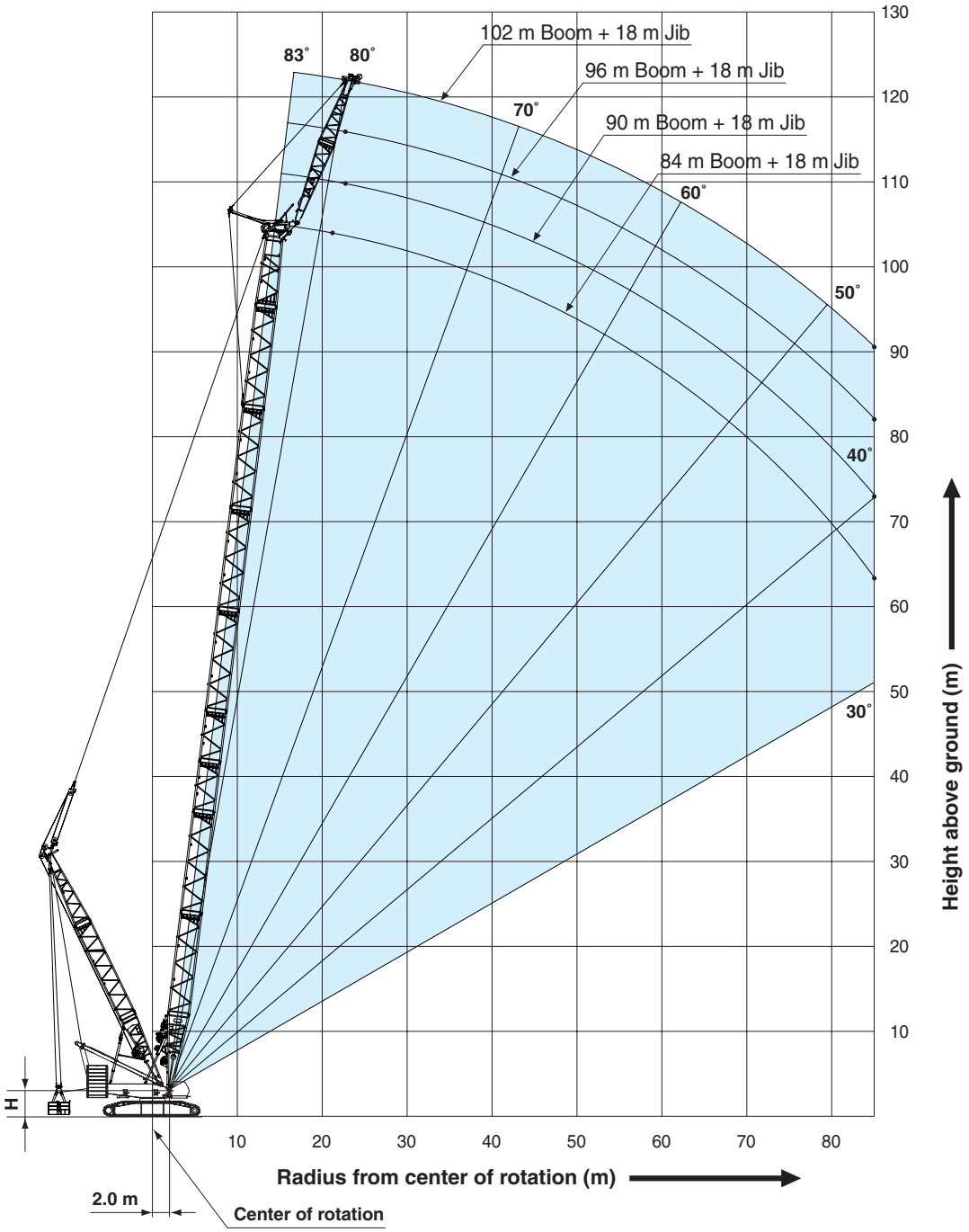
## WORKING RANGES

### Heavy Fixed Jib (Type B2)




H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

# Heavy Fixed Jib (Type C)



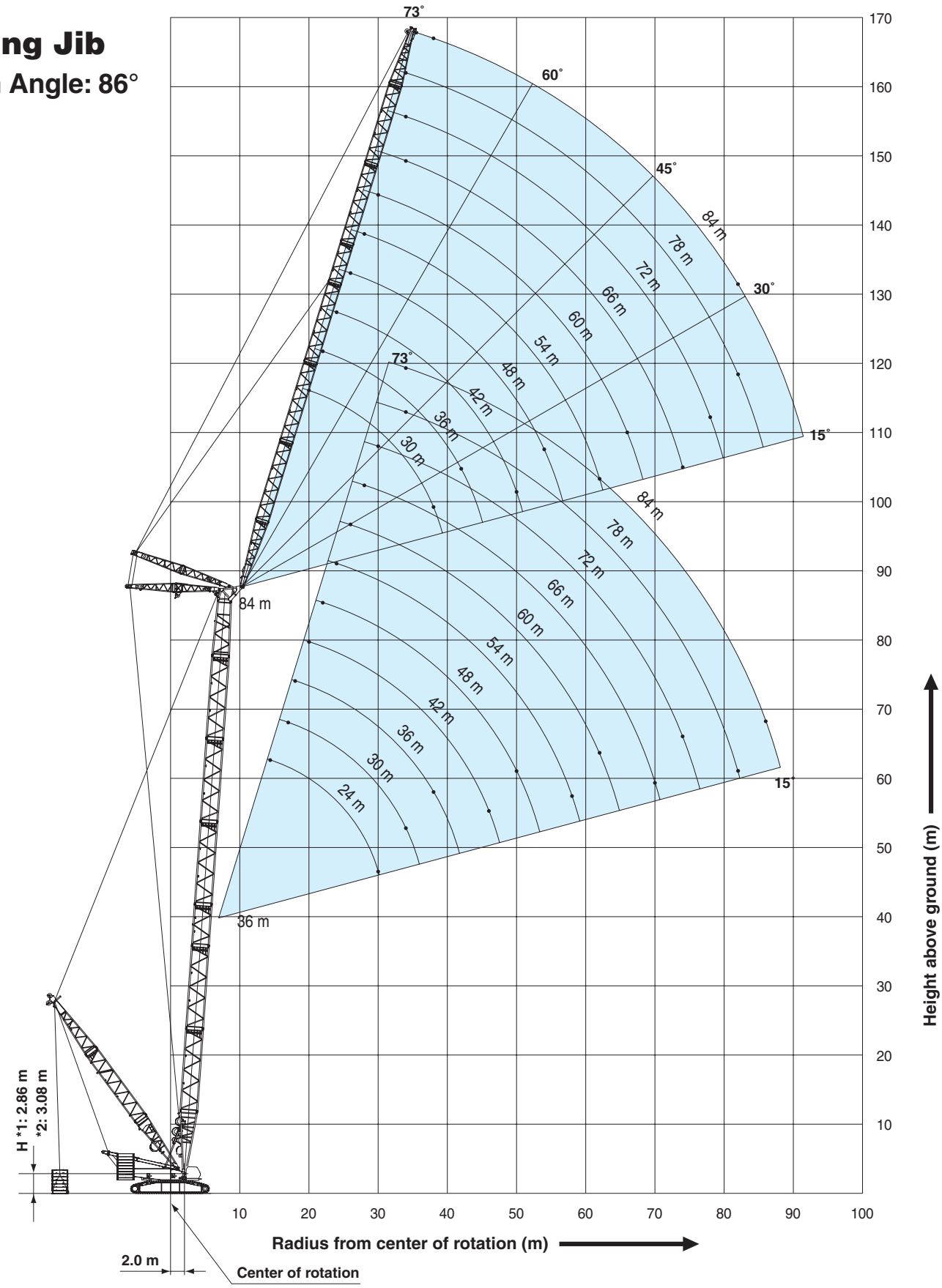

H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

# SUPER HEAVY LIFT

## WORKING RANGES

### Luffing Jib

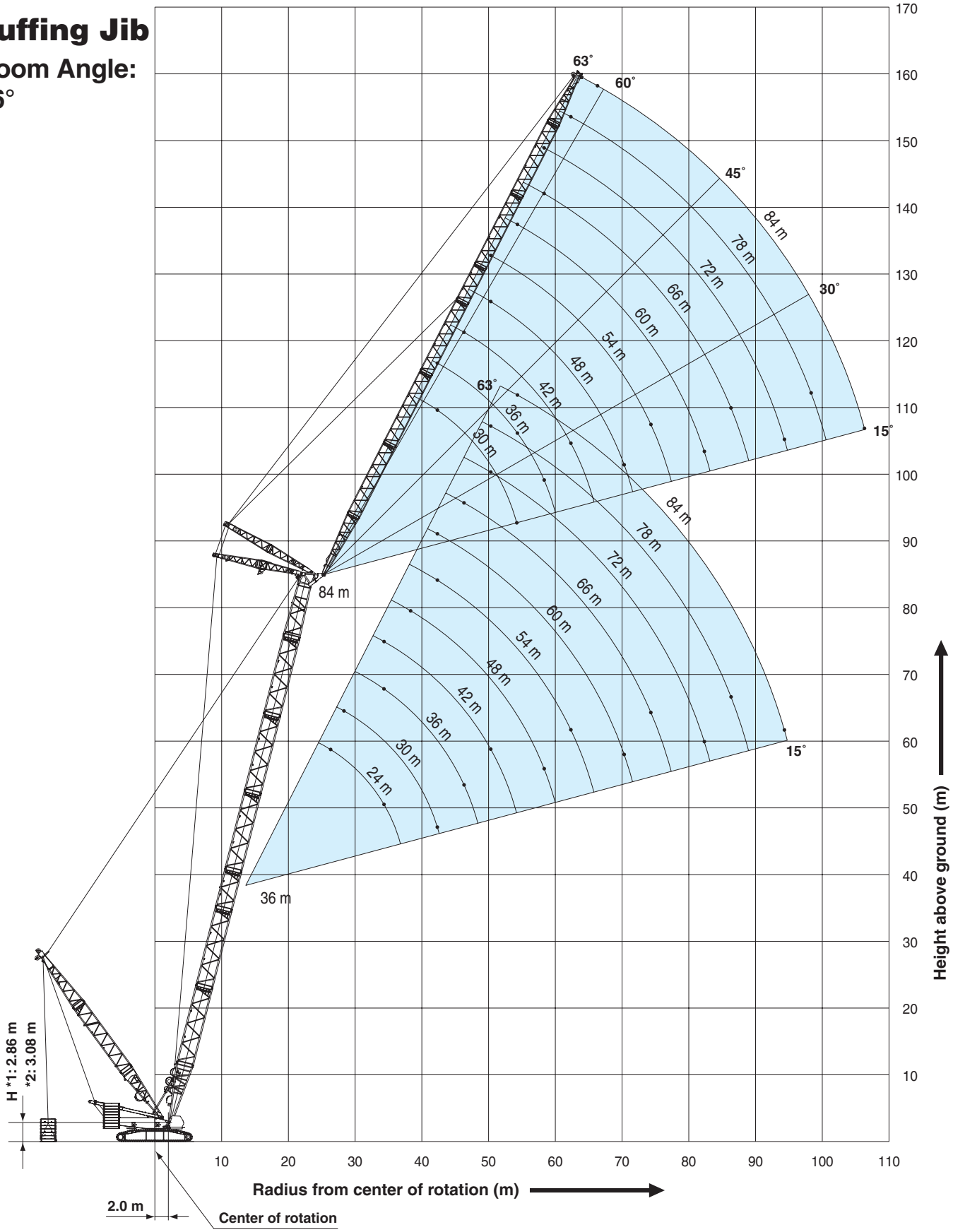
**Boom Angle: 86°**




1: Without upper/lower connecting device
2: With upper/lower connecting device

# Luffing Jib

## Boom Angle: 76°



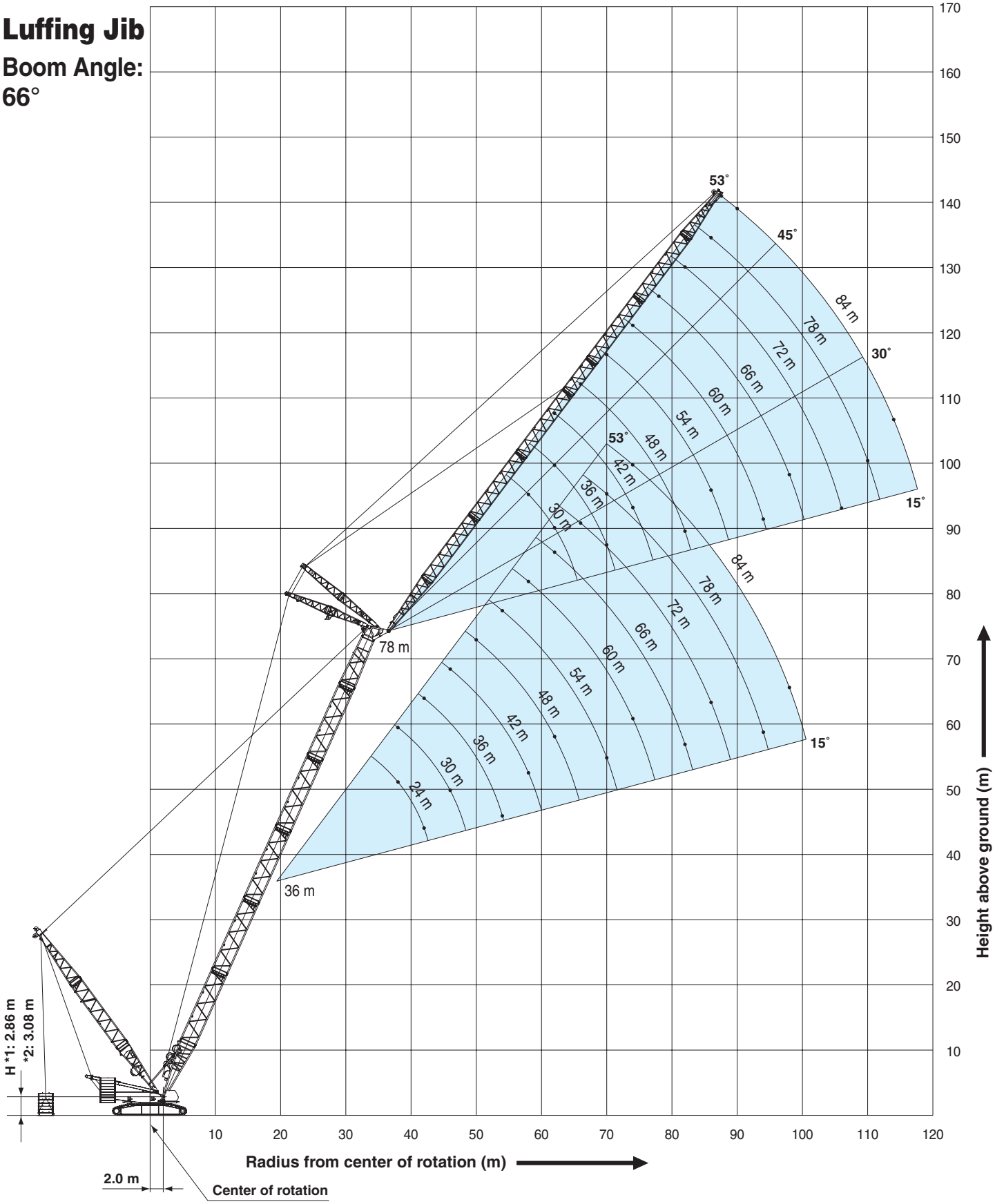

1: Without upper/lower connecting device
2: With upper/lower connecting device

# SUPER HEAVY LIFT

## WORKING RANGES

### Luffing Jib

**Boom Angle: 66°**




1: Without upper/lower connecting device
2: With upper/lower connecting device

# SUPER HEAVY LIFT

# LIFTING CAPACITIES

## Heavy Duty Crane Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton**
**Carbody weight: 50.0 ton**
**Pallet weight: 250.0 ton x 11 m**

| Working Radius (m) \ Boom Length (m) | 36.0 | 42.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|
| 8.0 | 8.3 m/550.0 | | 8.0 |
| 9.0 | 544.9 | 9.2 m/523.4 | 9.0 |
| 10.0 | 511.1 | 510.0 | 10.0 |
| 12.0 | 428.0 | 427.0 | 12.0 |
| 14.0 | 367.7 | 366.6 | 14.0 |
| 16.0 | 321.8 | 320.8 | 16.0 |
| 18.0 | 285.5 | 284.9 | 18.0 |
| 20.0 | 255.6 | 255.9 | 20.0 |
| 22.0 | 228.2 | 228.5 | 22.0 |
| 24.0 | 205.8 | 206.0 | 24.0 |
| 26.0 | 187.2 | 187.3 | 26.0 |
| 28.0 | 170.5 | 171.4 | 28.0 |
| 30.0 | 154.2 | 157.8 | 30.0 |
| 32.0 | 139.6 | 146.0 | 32.0 |
| 34.0 | 33.8 m/127.4 | 135.7 | 34.0 |
| 36.0 | | 126.3 | 36.0 |
| 38.0 | | 115.7 | 38.0 |
| 40.0 | | 39.0 m/110.5 | 40.0 |
| Reeves | 44 | 44 | Reeves |

Unit: ton

**Counterweight: 180.0 ton**
**Carbody weight: 50.0 ton**
**Pallet weight: 250.0 ton x 13 m**

| Working Radius (m) \ Boom Length (m) | 36.0 | 42.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|
| 8.0 | 8.3 m/550.0 | | 8.0 |
| 9.0 | 544.9 | 9.2 m/526.0 | 9.0 |
| 10.0 | 537.4 | 519.0 | 10.0 |
| 12.0 | 461.6 | 460.5 | 12.0 |
| 14.0 | 396.6 | 395.6 | 14.0 |
| 16.0 | 347.3 | 346.3 | 16.0 |
| 18.0 | 308.5 | 307.6 | 18.0 |
| 20.0 | 277.3 | 276.4 | 20.0 |
| 22.0 | 250.3 | 250.5 | 22.0 |
| 24.0 | 225.9 | 226.0 | 24.0 |
| 26.0 | 204.5 | 205.6 | 26.0 |
| 28.0 | 184.3 | 188.4 | 28.0 |
| 30.0 | 166.7 | 173.6 | 30.0 |
| 32.0 | 151.0 | 160.7 | 32.0 |
| 34.0 | 33.8 m/137.7 | 149.1 | 34.0 |
| 36.0 | | 136.6 | 36.0 |
| 38.0 | | 125.1 | 38.0 |
| 40.0 | | 39.0 m/119.5 | 40.0 |
| Reeves | 44 | 44 | Reeves |

Unit: ton

**Counterweight: 180.0 ton**
**Carbody weight: 50.0 ton**
**Pallet weight: 250.0 ton x 16 m**

| Working Radius (m) \ Boom Length (m) | 36.0 | 42.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|
| 8.0 | 8.3 m/550.0 | | 8.0 |
| 9.0 | 544.9 | 9.2 m/527.3 | 9.0 |
| 10.0 | 537.4 | 519.9 | 10.0 |
| 12.0 | 511.5 | 503.7 | 12.0 |
| 14.0 | 439.6 | 438.8 | 14.0 |
| 16.0 | 385.3 | 384.2 | 16.0 |
| 18.0 | 342.4 | 341.4 | 18.0 |
| 20.0 | 307.9 | 306.9 | 20.0 |
| 22.0 | 279.5 | 278.5 | 22.0 |
| 24.0 | 250.7 | 253.5 | 24.0 |
| 26.0 | 224.9 | 230.9 | 26.0 |
| 28.0 | 201.5 | 211.7 | 28.0 |
| 30.0 | 178.8 | 195.2 | 30.0 |
| 32.0 | 157.9 | 179.2 | 32.0 |
| 34.0 | 33.8 m/139.6 | 164.0 | 34.0 |
| 36.0 | | 148.3 | 36.0 |
| 38.0 | | 132.8 | 38.0 |
| 40.0 | | 39.0 m/124.8 | 40.0 |
| Reeves | 44 | 44 | Reeves |

Note:
Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.

## Long Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**Pallet weight: 250.0 ton x 11 m, 13 m, 16 m**

| Working Radius (m) \ Boom Length (m) | 90.0 | 96.0 | 102.0 | 108.0 | 114.0 | 120.0 | 126.0 | Boom Length (m) \ Working Radius (m) |
|---|---|---|---|---|---|---|---|---|
| 14.0 | 15.0 m/98.0 | 15.8 m/98.0 | | | | | | 14.0 |
| 16.0 | 98.0 | 98.0 | 16.6 m/84.0 | 17.5 m /84.0 | | | | 16.0 |
| 18.0 | 98.0 | 98.0 | 84.0 | 84.0 | 18.3 m /80.0 | 19.2 m /70.0 | | 18.0 |
| 20.0 | 98.0 | 98.0 | 84.0 | 84.0 | 79.4 | 70.0 | 20.0 m /60.0 | 20.0 |
| 22.0 | 98.0 | 98.0 | 84.0 | 84.0 | 78.7 | 70.0 | 59.3 | 22.0 |
| 24.0 | 98.0 | 98.0 | 84.0 | 84.0 | 78.0 | 69.3 | 58.5 | 24.0 |
| 26.0 | 98.0 | 97.7 | 84.0 | 83.9 | 77.3 | 68.7 | 57.8 | 26.0 |
| 28.0 | 98.0 | 93.1 | 84.0 | 80.1 | 76.6 | 68.0 | 57.0 | 28.0 |
| 30.0 | 98.0 | 89.0 | 84.0 | 76.6 | 75.9 | 67.3 | 53.8 | 30.0 |
| 32.0 | 96.3 | 84.2 | 84.0 | 73.2 | 75.2 | 66.0 | 51.1 | 32.0 |
| 34.0 | 92.7 | 79.8 | 84.0 | 69.9 | 72.2 | 63.0 | 48.4 | 34.0 |
| 36.0 | 89.2 | 74.9 | 81.1 | 66.4 | 69.3 | 60.2 | 45.7 | 36.0 |
| 38.0 | 86.0 | 69.8 | 77.3 | 62.9 | 66.5 | 57.8 | 43.4 | 38.0 |
| 40.0 | 83.4 | 65.0 | 74.8 | 60.1 | 63.7 | 55.1 | 41.9 | 40.0 |
| 44.0 | 75.9 | 55.7 | 68.2 | 54.8 | 58.8 | 50.3 | 39.4 | 44.0 |
| 48.0 | 69.2 | 48.1 | 63.0 | 51.3 | 53.4 | 47.2 | 37.0 | 48.0 |
| 52.0 | 64.2 | 43.8 | 58.4 | 47.6 | 50.3 | 44.5 | 34.7 | 52.0 |
| 56.0 | 59.6 | 40.7 | 54.2 | 44.6 | 47.7 | 42.3 | 32.7 | 56.0 |
| 60.0 | 55.4 | 38.1 | 50.1 | 41.8 | 45.1 | 40.2 | 31.0 | 60.0 |
| 64.0 | 52.4 | 36.0 | 47.1 | 38.9 | 42.7 | 38.4 | 29.6 | 64.0 |
| 68.0 | 50.2 | 34.5 | 45.0 | 36.5 | 40.9 | 36.9 | 28.4 | 68.0 |
| 72.0 | 48.1 | 33.3 | 42.8 | 34.6 | 39.2 | 35.6 | 27.4 | 72.0 |
| 76.0 | 46.3 | 32.2 | 41.0 | 33.0 | 37.6 | 34.3 | 26.5 | 76.0 |
| 80.0 | 80.1 m/44.2 | 31.4 | 38.9 | 31.2 | 36.1 | 33.3 | 25.8 | 80.0 |
| 84.0 | | 30.8 | 37.9 | 30.3 | 35.1 | 32.4 | 25.1 | 84.0 |
| 88.0 | | 85.3 m/30.6 | 36.9 | 29.3 | 34.3 | 31.7 | 24.6 | 88.0 |
| 92.0 | | | 90.5 m/36.2 | 28.5 | 33.6 | 31.1 | 23.9 | 92.0 |
| 96.0 | | | | 95.7 m/28.0 | 32.9 | 30.5 | 23.5 | 96.0 |
| 100.0 | | | | | 30.9 | 30.1 | 22.9 | 100.0 |
| 104.0 | | | | | 100.9 m/30.4 | 28.2 | 22.3 | 104.0 |
| 108.0 | | | | | | 106.1 m/27.2 | 22.0 | 108.0 |
| 112.0 | | | | | | | 111.3 m/21.8 | 112.0 |
| Reeves | 7 | 7 | 6 | 6 | 6 | 5 | 5 | Reeves |

Note:
Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.

# Heavy Fixed Jib (Type B2) Lifting Capacities

**Heavy Lift Mast Point Radius: 11 m**

Unit: ton

**Counterweight: 200.0 ton**
**Carbody weight: 50.0 ton**
**Pallet weight: 10.0 ton x 11 m**

| Jib Length (m) | 18.0 | | | Jib Length (m) |
|---|---|---|---|---|
| Working Radius (m) \ Boom Length (m) | 66.0 | 72.0 | 78.0 | Boom Length (m) \ Working Radius (m) |
| 20.0 | 120.0 | 120.0 | 120.0 | 20.0 |
| 22.0 | 116.4 | 114.0 | 108.6 | 22.0 |
| 24.0 | 103.1 | 102.2 | 97.7 | 24.0 |
| 26.0 | 92.0 | 91.1 | 88.3 | 26.0 |
| 28.0 | 82.7 | 81.7 | 80.1 | 28.0 |
| 30.0 | 74.6 | 73.6 | 72.6 | 30.0 |
| 34.0 | 61.6 | 60.6 | 59.4 | 34.0 |
| 38.0 | 51.5 | 50.4 | 49.2 | 38.0 |
| 42.0 | 43.5 | 42.3 | 41.1 | 42.0 |
| 46.0 | 36.9 | 35.7 | 34.4 | 46.0 |
| 50.0 | 31.4 | 30.2 | 28.9 | 50.0 |
| 54.0 | 26.8 | 25.6 | 24.2 | 54.0 |
| 58.0 | 22.8 | 21.6 | 20.3 | 58.0 |
| 62.0 | 19.4 | 18.2 | 16.8 | 62.0 |
| 66.0 | 16.5 | 15.2 | 13.8 | 66.0 |
| 70.0 | 13.9 | 12.6 | 11.2 | 70.0 |
| 74.0 | 11.6 | 10.3 | 8.9 | 74.0 |
| Reeves | 10 | 10 | 10 | Reeves |

Note:
Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# Heavy Fixed Jib (Type C) Lifting Capacities

Unit: ton

**Counterweight: 200.0 ton**
**Carbody weight: 50.0 ton**
**Pallet weight: 130.0 ton x 11 m**

| Jib Length (m) | 18.0 | | | | Jib Length (m) |
|---|---|---|---|---|---|
| Working Radius (m) \ Boom Length (m) | 84.0 | 90.0 | 96.0 | 102.0 | Boom Length (m) \ Working Radius (m) |
| 22.0 | 105.0 | | | | 22.0 |
| 24.0 | 105.0 | 95.0 | 85.0 | | 24.0 |
| 26.0 | 105.0 | 95.0 | 85.0 | 80.0 | 26.0 |
| 28.0 | 105.0 | 95.0 | 85.0 | 80.0 | 28.0 |
| 30.0 | 105.0 | 95.0 | 85.0 | 80.0 | 30.0 |
| 34.0 | 96.7 | 95.0 | 85.0 | 80.0 | 34.0 |
| 38.0 | 82.2 | 81.2 | 80.0 | 78.8 | 38.0 |
| 42.0 | 70.6 | 69.5 | 68.3 | 67.1 | 42.0 |
| 46.0 | 61.2 | 60.0 | 58.8 | 57.6 | 46.0 |
| 50.0 | 53.3 | 52.1 | 50.8 | 49.6 | 50.0 |
| 54.0 | 46.6 | 45.4 | 44.1 | 42.9 | 54.0 |
| 58.0 | 40.9 | 39.7 | 38.4 | 37.1 | 58.0 |
| 62.0 | 36.0 | 34.8 | 33.4 | 32.1 | 62.0 |
| 66.0 | 31.7 | 30.5 | 29.1 | 27.8 | 66.0 |
| 70.0 | 27.9 | 26.7 | 25.3 | 24.0 | 70.0 |
| 74.0 | 24.6 | 23.3 | 21.9 | 20.6 | 74.0 |
| 78.0 | 21.6 | 20.3 | 18.9 | 17.6 | 78.0 |
| 82.0 | 18.9 | 17.6 | 16.2 | 14.8 | 82.0 |
| 86.0 | 84.0 m/17.7 | 84.0 m/16.4 | 84.0 m/15.0 | 84.0 m/13.6 | 86.0 |
| Reeves | 8 | 8 | 8 | 8 | Reeves |

Note:
Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# SUPER HEAVY LIFT

## LIFTING CAPACITIES
## Luffing Boom Lifting Capacities

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**Pallet weight: 250.0 ton x 13 m**

| Boom Length (m) / Working Radius (m) | 36.0 | | | 42.0 | | | 48.0 | | | 54.0 | | | 60.0 | | | Boom Length (m) / Working Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Palette weight | | | Palette weight | | | Palette weight | | | Palette weight | | | Palette weight | | | |
| | 11 m | 13 m | 16 m | 11 m | 13 m | 16 m | 11 m | 13 m | 16 m | 11 m | 13 m | 16 m | 11 m | 13 m | 16 m | |
| 8.0 | 8.5 m/300.0 | 8.5 m/300.0 | 8.5 m/300.0 | | | | | | | | | | | | | 8.0 |
| 9.0 | 300.0 | 300.0 | 300.0 | 9.3 m/300.0 | 9.3 m/300.0 | 9.3 m/300.0 | | | | | | | | | | 9.0 |
| 10.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 10.2 m/300.0 | 10.2 m/300.0 | 10.2 m/300.0 | 11.0 m/280.0 | 11.0 m/280.0 | 11.0 m/280.0 | 11.8 m/280.0 | 11.8 m/280.0 | 11.8 m/280.0 | 10.0 |
| 12.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 280.0 | 280.0 | 280.0 | 280.0 | 280.0 | 280.0 | 12.0 |
| 14.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 280.0 | 280.0 | 280.0 | 280.0 | 280.0 | 280.0 | 14.0 |
| 16.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 280.0 | 280.0 | 280.0 | 280.0 | 280.0 | 280.0 | 16.0 |
| 18.0 | 283.9 | 300.0 | 300.0 | 282.9 | 300.0 | 300.0 | 281.9 | 300.0 | 300.0 | 280.0 | 280.0 | 280.0 | 279.7 | 280.0 | 280.0 | 18.0 |
| 20.0 | 253.4 | 275.4 | 300.0 | 253.8 | 274.4 | 300.0 | 252.9 | 273.4 | 300.0 | 251.7 | 272.2 | 280.0 | 250.7 | 271.3 | 280.0 | 20.0 |
| 22.0 | 226.0 | 248.1 | 277.5 | 226.3 | 248.3 | 276.6 | 226.3 | 247.7 | 275.6 | 225.8 | 246.5 | 274.4 | 225.6 | 245.6 | 273.5 | 22.0 |
| 24.0 | 203.6 | 223.7 | 248.9 | 203.8 | 223.8 | 251.3 | 203.7 | 223.6 | 251.0 | 203.2 | 223.1 | 250.2 | 203.0 | 222.7 | 249.7 | 24.0 |
| 26.0 | 185.0 | 202.5 | 223.0 | 185.1 | 203.4 | 228.6 | 184.9 | 203.2 | 228.3 | 184.4 | 202.6 | 227.5 | 184.1 | 202.2 | 227.1 | 26.0 |
| 28.0 | 168.6 | 182.3 | 199.8 | 169.2 | 186.2 | 209.5 | 169.0 | 185.9 | 209.1 | 168.4 | 185.2 | 208.3 | 168.1 | 184.8 | 207.8 | 28.0 |
| 30.0 | 152.2 | 164.7 | 177.0 | 155.6 | 171.4 | 193.0 | 155.4 | 171.1 | 192.6 | 154.8 | 170.4 | 191.9 | 154.4 | 170.0 | 191.3 | 30.0 |
| 32.0 | 137.6 | 149.0 | 156.1 | 143.8 | 158.5 | 177.2 | 143.6 | 158.2 | 178.4 | 142.9 | 157.5 | 177.6 | 142.5 | 157.1 | 177.0 | 32.0 |
| 34.0 | 33.9 m/124.8 | 33.9 m/135.1 | 33.9 m/136.8 | 133.5 | 147.1 | 161.9 | 133.2 | 147.0 | 165.9 | 132.6 | 146.3 | 165.1 | 132.1 | 145.8 | 164.5 | 34.0 |
| 36.0 | | | | 124.2 | 134.5 | 146.4 | 124.1 | 137.1 | 154.9 | 123.4 | 136.3 | 154.1 | 123.0 | 135.8 | 153.5 | 36.0 |
| 38.0 | | | | 113.6 | 123.0 | 130.7 | 116.0 | 128.2 | 145.1 | 115.3 | 127.5 | 144.3 | 114.8 | 127.0 | 143.7 | 38.0 |
| 40.0 | | | | 39.1 m/107.9 | 39.1 m/116.9 | 39.1 m/122.1 | 108.7 | 120.3 | 134.3 | 108.0 | 119.6 | 135.5 | 107.5 | 119.1 | 134.9 | 40.0 |
| 42.0 | | | | | | | 102.1 | 112.4 | 123.2 | 101.4 | 112.4 | 127.6 | 101.0 | 112.0 | 127.0 | 42.0 |
| 44.0 | | | | | | | 95.5 | 103.6 | 111.0 | 95.5 | 106.0 | 120.4 | 95.0 | 105.5 | 119.9 | 44.0 |
| 46.0 | | | | | | | 44.3 m/94.2 | 44.3 m/102.2 | 44.3 m/109.1 | 90.1 | 100.1 | 113.1 | 89.6 | 99.6 | 113.4 | 46.0 |
| 48.0 | | | | | | | | | | 85.2 | 94.7 | 104.6 | 84.7 | 94.3 | 107.4 | 48.0 |
| 50.0 | | | | | | | | | | 49.5 m/81.7 | 49.5 m/89.7 | 49.5 m/97.3 | 80.2 | 89.4 | 102.0 | 50.0 |
| 52.0 | | | | | | | | | | | | | 76.0 | 84.8 | 96.9 | 52.0 |
| 54.0 | | | | | | | | | | | | | 72.1 | 80.6 | 90.0 | 54.0 |
| 56.0 | | | | | | | | | | | | | 54.7 m/70.8 | 54.7 m/79.2 | 54.7 m/87.2 | 56.0 |
| Reeves | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 20 | 20 | 20 | 20 | 20 | 20 | Reeves |

| Boom Length (m) / Working Radius (m) | 66.0 | | | 72.0 | | | 78.0 | | | 84.0 | | | Boom Length (m) / Working Radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Palette weight | | | Palette weight | | | Palette weight | | | Palette weight | | | |
| | 11 m | 13 m | 16 m | 11 m | 13 m | 16 m | 11 m | 13 m | 16 m | 11 m | 13 m | 16 m | |
| 12.0 | 12.7 m/280.0 | 12.7 m/280.0 | 12.7 m/280.0 | 13.5 m/252.0 | 13.5 m/252.0 | 13.5 m/252.0 | | | | | | | 12.0 |
| 14.0 | 280.0 | 280.0 | 280.0 | 252.0 | 252.0 | 252.0 | 14.3 m/213.5 | 14.3 m/213.5 | 14.3 m/213.5 | 15.2 m/182.8 | 15.2 m/182.8 | 15.2 m/182.8 | 14.0 |
| 16.0 | 280.0 | 280.0 | 280.0 | 252.0 | 252.0 | 252.0 | 213.5 | 213.5 | 213.5 | 182.8 | 182.8 | 182.8 | 16.0 |
| 18.0 | 278.4 | 280.0 | 280.0 | 252.0 | 252.0 | 252.0 | 213.5 | 213.5 | 213.5 | 182.8 | 182.8 | 182.8 | 18.0 |
| 20.0 | 249.4 | 269.9 | 280.0 | 248.1 | 252.0 | 252.0 | 213.5 | 213.5 | 213.5 | 182.8 | 182.8 | 182.8 | 20.0 |
| 22.0 | 224.9 | 244.3 | 272.2 | 224.1 | 243.0 | 252.0 | 213.5 | 213.5 | 213.5 | 182.8 | 182.8 | 182.8 | 22.0 |
| 24.0 | 202.2 | 221.9 | 248.4 | 201.4 | 221.0 | 247.1 | 200.8 | 213.5 | 213.5 | 182.8 | 182.8 | 182.8 | 24.0 |
| 26.0 | 183.3 | 201.3 | 226.1 | 182.4 | 200.4 | 225.1 | 181.7 | 199.7 | 213.5 | 180.8 | 182.8 | 182.8 | 26.0 |
| 28.0 | 167.2 | 184.0 | 206.8 | 166.3 | 183.0 | 205.8 | 165.7 | 182.3 | 205.0 | 164.7 | 181.2 | 182.8 | 28.0 |
| 30.0 | 153.5 | 169.1 | 190.3 | 152.6 | 168.1 | 189.3 | 151.9 | 167.3 | 188.5 | 150.9 | 166.3 | 182.5 | 30.0 |
| 32.0 | 141.6 | 156.1 | 176.0 | 140.7 | 155.1 | 175.0 | 140.0 | 154.4 | 174.2 | 138.9 | 153.3 | 173.0 | 32.0 |
| 34.0 | 131.2 | 144.9 | 163.5 | 130.2 | 143.8 | 162.5 | 129.5 | 143.1 | 161.6 | 128.5 | 142.0 | 160.5 | 34.0 |
| 36.0 | 122.0 | 134.9 | 152.5 | 121.1 | 133.9 | 151.4 | 120.3 | 133.1 | 150.6 | 119.2 | 132.0 | 149.4 | 36.0 |
| 38.0 | 113.9 | 126.0 | 142.7 | 112.9 | 125.0 | 141.6 | 112.1 | 124.2 | 140.8 | 111.0 | 123.1 | 139.6 | 38.0 |
| 40.0 | 106.6 | 118.1 | 133.9 | 105.6 | 117.1 | 132.8 | 104.8 | 116.3 | 132.0 | 103.7 | 115.1 | 130.8 | 40.0 |
| 42.0 | 100.0 | 111.0 | 126.0 | 99.0 | 109.9 | 124.9 | 98.2 | 109.1 | 124.0 | 97.1 | 108.0 | 122.9 | 42.0 |
| 44.0 | 94.1 | 104.5 | 118.8 | 93.1 | 103.5 | 117.7 | 92.3 | 102.7 | 116.9 | 91.2 | 101.5 | 115.7 | 44.0 |
| 46.0 | 88.7 | 98.7 | 112.3 | 87.6 | 97.6 | 111.2 | 86.9 | 96.8 | 110.4 | 85.7 | 95.6 | 109.2 | 46.0 |
| 48.0 | 83.8 | 93.3 | 106.4 | 82.7 | 92.2 | 105.3 | 81.9 | 91.4 | 104.4 | 80.8 | 90.3 | 103.3 | 48.0 |
| 50.0 | 79.2 | 88.4 | 100.9 | 78.2 | 87.3 | 99.8 | 77.4 | 86.5 | 99.0 | 76.3 | 85.3 | 97.8 | 50.0 |
| 52.0 | 75.1 | 83.9 | 95.9 | 74.0 | 82.8 | 94.8 | 73.2 | 82.0 | 94.0 | 72.1 | 80.8 | 92.8 | 52.0 |
| 54.0 | 71.2 | 79.7 | 91.3 | 70.2 | 78.6 | 90.2 | 69.4 | 77.8 | 89.3 | 68.2 | 76.6 | 88.2 | 54.0 |
| 56.0 | 67.6 | 75.8 | 87.0 | 66.6 | 74.7 | 85.9 | 65.8 | 73.9 | 85.1 | 64.7 | 72.8 | 83.9 | 56.0 |
| 58.0 | 64.3 | 72.2 | 83.0 | 63.3 | 71.1 | 81.9 | 62.5 | 70.3 | 81.1 | 61.4 | 69.2 | 79.9 | 58.0 |
| 60.0 | 59.9 m/61.4 | 59.9 m/69.0 | 59.9 m/77.8 | 60.2 | 67.8 | 78.2 | 59.4 | 67.0 | 77.4 | 58.3 | 65.8 | 76.2 | 60.0 |
| 62.0 | | | | 57.3 | 64.7 | 74.7 | 56.5 | 63.9 | 73.9 | 55.4 | 62.7 | 72.7 | 62.0 |
| 64.0 | | | | 54.6 | 61.7 | 71.5 | 53.8 | 60.9 | 70.7 | 52.7 | 59.8 | 69.5 | 64.0 |
| 66.0 | | | | 65.1 m/53.2 | 65.1 m/60.2 | 65.1 m/69.4 | 51.3 | 58.2 | 67.6 | 50.2 | 57.0 | 66.4 | 66.0 |
| 68.0 | | | | | | | 48.9 | 55.6 | 64.7 | 47.8 | 54.4 | 63.6 | 68.0 |
| 70.0 | | | | | | | 46.7 | 53.2 | 62.0 | 45.6 | 52.0 | 60.9 | 70.0 |
| 72.0 | | | | | | | 70.3 m/46.4 | 70.3 m/52.8 | 70.3 m/61.7 | 43.4 | 49.7 | 58.3 | 72.0 |
| 74.0 | | | | | | | | | | 41.4 | 47.6 | 55.9 | 74.0 |
| 76.0 | | | | | | | | | | 75.5 m/40.0 | 75.5 m/46.0 | 75.5 m/54.2 | 76.0 |
| Reeves | 20 | 20 | 20 | 20 | 20 | 20 | 16 | 16 | 16 | 16 | 16 | 16 | Reeves |

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

Unit: ton

# Luffing Jib Lifting Capacity

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**Pallet weight: 130.0 ton x 16 m**

## 36.0 m Boom Length

| Boom length (m) | 36.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 78.0 | | | 84.0 | | | Jib length (m) |
| Boom angle / Working Radius (m) | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle / Working Radius (m) |
| 14.0 | 14.4m/200.0 | | | | | | | | | | | | | | | | | | 14.0 |
| 15.0 | 193.2 | | | | | | | | | | | | | | | | | | 15.0 |
| 16.0 | 181.9 | | | | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 175.5 | | | | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 169.5 | | | | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 163.4 | | | 139.6 | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 158.1 | | | 133.8 | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 155.5 | | | 126.8 | | | 101.5 | | | | | | | | | | | | 24.0 |
| 26.0 | 145.9 | 154.6 | | 120.7 | | | 99.3 | | | | | | | | | | | | 26.0 |
| 28.0 | 129.4 | 149.5 | | 115.5 | | | 97.1 | | | 76.0 | | | | | | | | | 28.0 |
| 30.0 | 98.3 | 143.8 | | 111.2 | | | 94.4 | | | 74.1 | | | | | | | | | 30.0 |
| 34.0 | | 125.2 | | 104.4 | 105.8 | | 88.2 | | | 72.1 | | | 54.8 | | | 48.4 | | | 34.0 |
| 38.0 | | | 105.7 | 89.9 | 101.8 | | 81.9 | | | 69.5 | | | 53.1 | | | 47.2 | | | 38.0 |
| 42.0 | | | 94.6 | 78.0 | 95.6 | | 75.6 | 78.9 | | 65.6 | | | 51.2 | | | 45.8 | | | 42.0 |
| 46.0 | | | | 64.8 | 86.7 | 82.3 | 69.4 | 78.9 | | 61.7 | 68.8 | | 49.0 | | | 42.7 | | | 46.0 |
| 50.0 | | | | | 78.8 | 74.8 | 63.7 | 76.1 | | 58.1 | 68.8 | | 46.6 | 52.0 | | 39.7 | | | 50.0 |
| 54.0 | | | | | | 68.4 | 56.8 | 70.4 | 66.5 | 53.9 | 67.7 | | 44.6 | 50.0 | | 37.0 | 39.9 | | 54.0 |
| 58.0 | | | | | | 63.0 | 45.3 | 64.7 | 61.1 | 48.0 | 59.8 | | 42.2 | 46.8 | | 34.5 | 38.3 | | 58.0 |
| 62.0 | | | | | | | | 58.5 | 56.4 | 42.9 | 53.2 | 53.3 | 39.7 | 44.0 | | 32.3 | 35.9 | | 62.0 |
| 66.0 | | | | | | | | | 52.3 | 38.4 | 47.6 | 50.0 | 37.4 | 41.4 | | 30.3 | 33.6 | | 66.0 |
| 70.0 | | | | | | | | | 48.7 | 32.1 | 42.7 | 46.4 | 35.1 | 39.1 | 39.0 | 28.5 | 31.6 | | 70.0 |
| 74.0 | | | | | | | | | | | 38.3 | 43.2 | 31.6 | 37.0 | 39.0 | 26.8 | 29.7 | 31.9 | 74.0 |
| 78.0 | | | | | | | | | | | | 40.4 | 28.5 | 34.9 | 38.6 | 25.3 | 28.1 | 31.0 | 78.0 |
| 82.0 | | | | | | | | | | | | 37.5 | 23.5 | 31.5 | 36.0 | 22.8 | 26.5 | 29.3 | 82.0 |
| 86.0 | | | | | | | | | | | | | | 28.5 | 33.7 | 19.1 | 25.1 | 27.7 | 86.0 |
| 90.0 | | | | | | | | | | | | | | | 30.8 | | 23.8 | 26.3 | 90.0 |
| 94.0 | | | | | | | | | | | | | | | 27.8 | | 22.6 | 24.9 | 94.0 |
| 98.0 | | | | | | | | | | | | | | | | | | 23.8 | 98.0 |
| Reeves | 16 | | | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

## 42.0 m Boom Length

| Boom length (m) | 42.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 78.0 | | | 84.0 | | | Jib length (m) |
| Boom angle / Working Radius (m) | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle / Working Radius (m) |
| 15.0 | 15.4m/190.6 | | | | | | | | | | | | | | | | | | 15.0 |
| 16.0 | 187.1 | | | | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 181.8 | | | | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 177.2 | | | | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 169.7 | | | | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 164.4 | | | 127.7 | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 158.2 | | | 122.6 | | | 94.1 | | | | | | | | | | | | 24.0 |
| 26.0 | 146.3 | | | 117.2 | | | 93.1 | | | | | | | | | | | | 26.0 |
| 28.0 | 132.6 | 153.0 | | 111.8 | | | 90.6 | | | 74.9 | | | | | | | | | 28.0 |
| 30.0 | 108.4 | 141.7 | | 106.2 | | | 87.7 | | | 73.6 | | | | | | | | | 30.0 |
| 34.0 | | 123.3 | | 95.3 | | | 81.5 | | | 70.4 | | | 52.0 | | | 46.2 | | | 34.0 |
| 38.0 | | 109.0 | 102.9 | 85.2 | 102.4 | | 75.1 | | | 66.7 | | | 50.2 | | | 44.9 | | | 38.0 |
| 42.0 | | | 92.1 | 76.4 | 94.5 | | 68.8 | 84.5 | | 62.8 | | | 48.1 | | | 43.3 | | | 42.0 |
| 46.0 | | | | 67.6 | 85.3 | | 62.9 | 83.4 | | 58.9 | 72.9 | | 45.8 | | | 41.6 | | | 46.0 |
| 50.0 | | | | | 77.5 | 72.6 | 57.5 | 75.7 | | 54.9 | 72.9 | | 43.1 | | | 39.7 | | | 50.0 |
| 54.0 | | | | | 70.9 | 66.4 | 52.6 | 69.1 | | 51.1 | 66.9 | | 41.1 | 49.7 | | 37.2 | 41.6 | | 54.0 |
| 58.0 | | | | | | 61.1 | 47.2 | 63.5 | 59.2 | 47.5 | 61.3 | | 38.8 | 47.9 | | 34.7 | 39.8 | | 58.0 |
| 62.0 | | | | | | 56.5 | | 58.7 | 54.6 | 43.2 | 54.9 | 52.2 | 36.5 | 44.9 | | 32.5 | 37.1 | | 62.0 |
| 66.0 | | | | | | | | 51.6 | 50.6 | 38.7 | 49.0 | 48.2 | 34.3 | 42.3 | | 30.4 | 34.7 | | 66.0 |
| 70.0 | | | | | | | | | 47.1 | 33.5 | 43.9 | 44.7 | 32.2 | 39.9 | 42.8 | 28.6 | 32.6 | | 70.0 |
| 74.0 | | | | | | | | | 44.0 | | 39.4 | 41.6 | 30.3 | 37.7 | 39.8 | 26.9 | 30.6 | 33.1 | 74.0 |
| 78.0 | | | | | | | | | | | 35.3 | 38.9 | 28.5 | 35.7 | 37.0 | 25.3 | 28.8 | 32.1 | 78.0 |
| 82.0 | | | | | | | | | | | | 36.4 | 24.7 | 32.6 | 34.6 | 21.5 | 27.2 | 30.3 | 82.0 |
| 86.0 | | | | | | | | | | | | | | 29.5 | 32.3 | 17.6 | 25.7 | 28.6 | 86.0 |
| 90.0 | | | | | | | | | | | | | | 26.5 | 30.3 | | 24.3 | 27.1 | 90.0 |
| 94.0 | | | | | | | | | | | | | | | 28.4 | | 23.1 | 25.7 | 94.0 |
| 98.0 | | | | | | | | | | | | | | | | | | 24.4 | 98.0 |
| 102.0 | | | | | | | | | | | | | | | | | | 23.3 | 102.0 |
| Reeves | 16 | | | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Note: Designed and rated to comply with EN13000.

# SUPER HEAVY LIFT

## LIFTING CAPACITIES
## Luffing Jib Lifting Capacity

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**Pallet weight: 130.0 ton x 16 m**

**48.0 m Boom Length**

| Boom length (m) | 48.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 78.0 | | | 84.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 16.0 | 16.2m/190.8 | | | | | | | | | | | | | | | | | | 16.0 |
| 17.0 | 186.6 | | | | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 181.8 | | | | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 174.2 | | | | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 165.1 | | | 119.4 | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 152.8 | | | 114.7 | | | 90.2 | | | | | | | | | | | | 24.0 |
| 26.0 | 141.6 | | | 109.7 | | | 88.0 | | | | | | | | | | | | 26.0 |
| 28.0 | 131.6 | 150.5 | | 104.5 | | | 85.4 | | | 67.3 | | | | | | | | | 28.0 |
| 30.0 | 117.7 | 139.4 | | 99.4 | | | 82.7 | | | 66.0 | | | | | | | | | 30.0 |
| 34.0 | | 121.3 | | 89.4 | | | 76.9 | | | 62.9 | | | 49.7 | | | 44.1 | | | 34.0 |
| 38.0 | | 107.2 | | 80.1 | 104.0 | | 70.8 | | | 59.5 | | | 47.9 | | | 42.8 | | | 38.0 |
| 42.0 | | | 89.4 | 71.9 | 92.8 | | 64.9 | 88.9 | | 55.8 | | | 45.8 | | | 41.3 | | | 42.0 |
| 46.0 | | | 80.8 | 64.9 | 83.7 | | 59.3 | 81.8 | | 52.0 | | | 43.6 | | | 39.6 | | | 46.0 |
| 50.0 | | | | | 76.1 | 70.2 | 54.3 | 74.2 | | 48.4 | 70.5 | | 41.3 | | | 37.6 | | | 50.0 |
| 54.0 | | | | | 69.6 | 64.2 | 49.7 | 67.8 | | 44.6 | 65.5 | | 39.0 | 50.9 | | 36.0 | | | 54.0 |
| 58.0 | | | | | | 59.1 | 45.8 | 62.3 | 57.1 | 41.7 | 60.0 | | 36.7 | 49.0 | | 34.1 | 39.0 | | 58.0 |
| 62.0 | | | | | | 54.7 | | 57.5 | 52.7 | 38.8 | 55.3 | | 34.5 | 45.9 | | 32.3 | 37.5 | | 62.0 |
| 66.0 | | | | | | | | 53.4 | 48.8 | 36.1 | 51.1 | 46.3 | 32.4 | 43.1 | | 30.5 | 35.1 | | 66.0 |
| 70.0 | | | | | | | | | 45.4 | 33.8 | 45.9 | 43.0 | 30.4 | 40.6 | | 28.7 | 32.9 | | 70.0 |
| 74.0 | | | | | | | | | 42.4 | | 41.2 | 40.0 | 28.6 | 38.4 | 38.1 | 27.0 | 31.0 | | 74.0 |
| 78.0 | | | | | | | | | | | 36.9 | 37.3 | 26.9 | 36.3 | 35.4 | 24.7 | 29.1 | 32.2 | 78.0 |
| 82.0 | | | | | | | | | | | | 34.9 | 24.6 | 33.7 | 33.0 | 20.1 | 27.5 | 31.3 | 82.0 |
| 86.0 | | | | | | | | | | | | 32.7 | | 30.5 | 30.8 | 16.1 | 26.0 | 29.5 | 86.0 |
| 90.0 | | | | | | | | | | | | | | 27.5 | 28.9 | | 24.6 | 27.9 | 90.0 |
| 94.0 | | | | | | | | | | | | | | | 27.1 | | 23.3 | 26.2 | 94.0 |
| 98.0 | | | | | | | | | | | | | | | 25.4 | | | 24.6 | 98.0 |
| 102.0 | | | | | | | | | | | | | | | | | | 23.1 | 102.0 |
| Reeves | 16 | | | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

**54.0 m Boom Length**

| Boom length (m) | 54.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 78.0 | | | 84.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 17.0 | 191.0 | | | | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 179.8 | | | | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 167.2 | | | | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 155.0 | | | 110.4 | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 143.6 | | | 105.9 | | | | | | | | | | | | | | | 24.0 |
| 26.0 | 133.0 | | | 101.2 | | | 80.7 | | | | | | | | | | | | 26.0 |
| 28.0 | 123.6 | | | 96.3 | | | 78.2 | | | 63.1 | | | | | | | | | 28.0 |
| 30.0 | 115.5 | 136.7 | | 91.5 | | | 75.6 | | | 61.8 | | | | | | | | | 30.0 |
| 34.0 | | 118.9 | | 82.1 | | | 69.9 | | | 58.7 | | | 46.9 | | | 42.0 | | | 34.0 |
| 38.0 | | 105.1 | | 73.5 | 101.8 | | 64.2 | | | 55.2 | | | 45.1 | | | 40.6 | | | 38.0 |
| 42.0 | | | 86.4 | 65.9 | 90.9 | | 58.7 | | | 51.6 | | | 42.9 | | | 39.0 | | | 42.0 |
| 46.0 | | | 78.0 | 59.4 | 81.9 | | 53.6 | 79.9 | | 48.0 | | | 40.7 | | | 37.3 | | | 46.0 |
| 50.0 | | | | | 74.4 | | 48.9 | 72.5 | | 44.5 | 67.1 | | 38.4 | | | 35.4 | | | 50.0 |
| 54.0 | | | | | 68.1 | 61.8 | 44.8 | 66.2 | | 41.2 | 63.9 | | 36.1 | 50.6 | | 33.6 | | | 54.0 |
| 58.0 | | | | | 62.7 | 56.8 | 41.2 | 60.9 | | 38.2 | 58.5 | | 33.9 | 49.9 | | 31.7 | 40.0 | | 58.0 |
| 62.0 | | | | | | 52.5 | | 56.2 | 50.5 | 35.4 | 53.9 | | 31.7 | 46.9 | | 29.9 | 38.4 | | 62.0 |
| 66.0 | | | | | | 48.7 | | 52.1 | 46.7 | 32.9 | 49.8 | | 29.7 | 44.0 | | 28.1 | 35.9 | | 66.0 |
| 70.0 | | | | | | | | | 43.4 | 30.7 | 46.3 | 40.9 | 27.8 | 41.4 | | 26.5 | 33.6 | | 70.0 |
| 74.0 | | | | | | | | | 40.5 | | 42.3 | 38.1 | 26.1 | 39.1 | 36.1 | 24.9 | 31.6 | | 74.0 |
| 78.0 | | | | | | | | | 37.9 | | 37.9 | 35.5 | 24.5 | 37.0 | 33.5 | 23.3 | 29.7 | 32.6 | 78.0 |
| 82.0 | | | | | | | | | | | | 33.2 | 23.0 | 34.9 | 31.2 | 18.6 | 28.0 | 30.3 | 82.0 |
| 86.0 | | | | | | | | | | | | 31.1 | | 31.5 | 29.2 | 14.6 | 26.5 | 28.3 | 86.0 |
| 90.0 | | | | | | | | | | | | 29.1 | | 28.5 | 27.3 | | 25.0 | 26.4 | 90.0 |
| 94.0 | | | | | | | | | | | | | | | 25.5 | | 23.7 | 24.7 | 94.0 |
| 98.0 | | | | | | | | | | | | | | | 24.0 | | 19.2 | 23.1 | 98.0 |
| 102.0 | | | | | | | | | | | | | | | 22.5 | | | 21.7 | 102.0 |
| 106.0 | | | | | | | | | | | | | | | | | | 20.3 | 106.0 |
| Reeves | 16 | | | 8 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray color box in the table requiring double drum specifications.

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**Pallet weight: 130.0 ton x 16 m**

# Luffing Jib Lifting Capacity

## 60.0 m Boom Length

| Boom length (m) | 60.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 78.0 | | | 84.0 | | | Jib length (m) |
| Boom angle / Working Radius (m) | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle / Working Radius (m) |
| 17.0 | 17.8m/162.3 | | | | | | | | | | | | | | | | | | 17.0 |
| 18.0 | 161.4 | | | | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 150.8 | | | | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 140.5 | | | 103.2 | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 130.7 | | | 99.1 | | | | | | | | | | | | | | | 24.0 |
| 26.0 | 121.7 | | | 94.8 | | | 76.5 | | | | | | | | | | | | 26.0 |
| 28.0 | 113.5 | | | 90.4 | | | 74.2 | | | | | | | | | | | | 28.0 |
| 30.0 | 106.4 | | | 86.0 | | | 71.7 | | | 58.2 | | | | | | | | | 30.0 |
| 34.0 | | 116.7 | | 77.4 | | | 66.4 | | | 55.3 | | | 44.5 | | | 40.0 | | | 34.0 |
| 38.0 | | 103.1 | | 69.5 | | | 61.0 | | | 52.1 | | | 42.7 | | | 38.6 | | | 38.0 |
| 42.0 | | 92.3 | | 62.5 | 89.0 | | 55.9 | | | 48.7 | | | 40.7 | | | 37.1 | | | 42.0 |
| 46.0 | | | 75.3 | 56.6 | 80.2 | | 51.1 | 78.2 | | 45.3 | | | 38.5 | | | 35.4 | | | 46.0 |
| 50.0 | | | 68.6 | | 72.9 | | 46.7 | 70.9 | | 42.0 | 63.5 | | 36.3 | | | 33.6 | | | 50.0 |
| 54.0 | | | | | 66.7 | | 42.8 | 64.7 | | 38.9 | 61.9 | | 34.0 | | | 31.9 | | | 54.0 |
| 58.0 | | | | | 61.4 | 54.6 | 39.5 | 59.5 | | 36.1 | 57.1 | | 32.0 | 47.6 | | 30.1 | 41.6 | | 58.0 |
| 62.0 | | | | | | 50.4 | | 54.9 | 48.3 | 33.5 | 52.5 | | 30.0 | 46.3 | | 28.3 | 39.8 | | 62.0 |
| 66.0 | | | | | | 46.8 | | 50.9 | 44.7 | 31.1 | 48.6 | | 28.1 | 44.9 | | 26.6 | 37.1 | | 66.0 |
| 70.0 | | | | | | | | 47.4 | 41.6 | 29.1 | 45.1 | 39.0 | 26.3 | 42.2 | | 25.1 | 34.7 | | 70.0 |
| 74.0 | | | | | | | | | 38.7 | | 42.0 | 36.2 | 24.7 | 39.8 | | 23.6 | 32.5 | | 74.0 |
| 78.0 | | | | | | | | | 36.2 | | 39.2 | 33.7 | 23.2 | 37.4 | 31.7 | 21.8 | 30.5 | | 78.0 |
| 82.0 | | | | | | | | | | | 35.2 | 31.5 | 21.4 | 34.9 | 29.5 | 17.1 | 28.7 | 28.6 | 82.0 |
| 86.0 | | | | | | | | | | | | 29.5 | | 32.6 | 27.5 | 13.1 | 27.1 | 26.5 | 86.0 |
| 90.0 | | | | | | | | | | | | 27.6 | | 29.5 | 25.7 | | 25.6 | 24.8 | 90.0 |
| 94.0 | | | | | | | | | | | | | | 26.3 | 24.1 | | 24.2 | 23.2 | 94.0 |
| 98.0 | | | | | | | | | | | | | | | 22.5 | | 19.3 | 21.7 | 98.0 |
| 102.0 | | | | | | | | | | | | | | | 21.1 | | | 20.3 | 102.0 |
| 106.0 | | | | | | | | | | | | | | | | | | 19.0 | 106.0 |
| 110.0 | | | | | | | | | | | | | | | | | | 17.8 | 110.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

## 66.0 m Boom Length

| Boom length (m) | 66.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 78.0 | | | 84.0 | | | Jib length (m) |
| Boom angle / Working Radius (m) | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle / Working Radius (m) |
| 18.0 | 18.5m/144.7 | | | | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 137.9 | | | | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 128.7 | | | 95.3 | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 120.0 | | | 91.5 | | | | | | | | | | | | | | | 24.0 |
| 26.0 | 111.9 | | | 87.5 | | | 71.3 | | | | | | | | | | | | 26.0 |
| 28.0 | 104.5 | | | 83.3 | | | 68.1 | | | | | | | | | | | | 28.0 |
| 30.0 | 98.0 | | | 79.2 | | | 66.6 | | | 55.1 | | | | | | | | | 30.0 |
| 34.0 | | 114.0 | | 71.4 | | | 61.6 | | | 52.2 | | | 41.9 | | | | | | 34.0 |
| 38.0 | | 100.7 | | 64.1 | | | 56.6 | | | 49.0 | | | 40.1 | | | 35.9 | | | 38.0 |
| 42.0 | | 90.1 | | 57.7 | 86.8 | | 51.7 | | | 45.7 | | | 38.1 | | | 34.4 | | | 42.0 |
| 46.0 | | | | 52.3 | 78.2 | | 47.3 | 76.1 | | 42.4 | | | 36.0 | | | 32.7 | | | 46.0 |
| 50.0 | | | 65.6 | | 71.0 | | 43.2 | 69.0 | | 39.3 | | | 33.8 | | | 31.0 | | | 50.0 |
| 54.0 | | | 60.2 | | 64.9 | | 39.6 | 63.0 | | 36.4 | 59.1 | | 31.7 | | | 29.3 | | | 54.0 |
| 58.0 | | | | | 59.8 | 52.0 | 36.5 | 57.8 | | 33.7 | 55.4 | | 29.7 | 45.1 | | 27.5 | | | 58.0 |
| 62.0 | | | | | | 48.0 | | 53.4 | | 31.2 | 51.0 | | 27.7 | 44.0 | | 25.9 | 39.1 | | 62.0 |
| 66.0 | | | | | | 44.5 | | 49.5 | 42.4 | 29.1 | 47.1 | | 25.9 | 42.5 | | 24.3 | 37.6 | | 66.0 |
| 70.0 | | | | | | 41.4 | | 46.0 | 39.3 | 27.1 | 43.7 | | 24.2 | 41.7 | | 22.8 | 35.1 | | 70.0 |
| 74.0 | | | | | | | | | 36.6 | | 40.6 | 34.1 | 22.7 | 38.8 | | 21.4 | 32.9 | | 74.0 |
| 78.0 | | | | | | | | | 34.2 | | 37.9 | 31.7 | 21.4 | 36.1 | | 20.1 | 30.9 | | 78.0 |
| 82.0 | | | | | | | | | 32.1 | | 35.5 | 29.6 | 19.6 | 33.7 | 27.5 | 15.6 | 29.1 | | 82.0 |
| 86.0 | | | | | | | | | | | | 27.6 | | 31.5 | 25.6 | 11.6 | 27.5 | 24.7 | 86.0 |
| 90.0 | | | | | | | | | | | | 25.9 | | 29.5 | 23.9 | 8.3 | 25.9 | 23.0 | 90.0 |
| 94.0 | | | | | | | | | | | | 24.3 | | 26.2 | 22.3 | | 24.5 | 21.4 | 94.0 |
| 98.0 | | | | | | | | | | | | | | | 20.9 | | 19.1 | 20.0 | 98.0 |
| 102.0 | | | | | | | | | | | | | | | 19.5 | | | 18.7 | 102.0 |
| 106.0 | | | | | | | | | | | | | | | 18.3 | | | 17.4 | 106.0 |
| 110.0 | | | | | | | | | | | | | | | | | | 16.3 | 110.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray color box in the table require double drum specifications.

# SUPER HEAVY LIFT

## LIFTING CAPACITIES
## Luffing Jib Lifting Capacity

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**Pallet weight: 130.0 ton x 16 m**

**72.0 m Boom Length**

| Boom length (m) | 72.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 24.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 78.0 | | | 84.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 18.0 | 19.2m/130.3 | | | | | | | | | | | | | | | | | | 18.0 |
| 20.0 | 127.2 | | | | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 119.3 | | | | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 111.7 | | | 84.5 | | | | | | | | | | | | | | | 24.0 |
| 26.0 | 104.5 | | | 80.9 | | | 66.6 | | | | | | | | | | | | 26.0 |
| 28.0 | 98.0 | | | 77.3 | | | 64.6 | | | | | | | | | | | | 28.0 |
| 30.0 | 92.2 | | | 73.6 | | | 62.4 | | | 51.2 | | | | | | | | | 30.0 |
| 34.0 | | 111.2 | | 66.6 | | | 57.8 | | | 48.5 | | | 39.5 | | | | | | 34.0 |
| 38.0 | | 98.2 | | 60.1 | | | 53.2 | | | 45.6 | | | 37.8 | | | 33.8 | | | 38.0 |
| 42.0 | | 87.9 | | 54.3 | 84.4 | | 48.8 | | | 42.5 | | | 35.9 | | | 32.4 | | | 42.0 |
| 46.0 | | | | 49.3 | 76.0 | | 44.7 | | | 39.5 | | | 33.9 | | | 30.8 | | | 46.0 |
| 50.0 | | | 62.5 | 45.4 | 69.0 | | 40.9 | 67.0 | | 36.7 | | | 31.9 | | | 29.2 | | | 50.0 |
| 54.0 | | | 57.3 | | 63.1 | | 37.6 | 61.1 | | 34.0 | 54.9 | | 29.9 | | | 27.4 | | | 54.0 |
| 58.0 | | | | | 58.1 | | 34.7 | 56.1 | | 31.6 | 51.3 | | 28.0 | 42.7 | | 25.9 | | | 58.0 |
| 62.0 | | | | | 53.7 | 45.4 | | 51.8 | | 29.2 | 49.3 | | 26.2 | 41.8 | | 24.3 | 37.0 | | 62.0 |
| 66.0 | | | | | | 42.1 | | 47.9 | | 27.2 | 45.5 | | 24.5 | 40.4 | | 22.9 | 36.2 | | 66.0 |
| 70.0 | | | | | | 39.1 | | 44.6 | 37.0 | 25.5 | 42.2 | | 22.9 | 39.7 | | 21.5 | 35.8 | | 70.0 |
| 74.0 | | | | | | 36.5 | | 41.6 | 34.4 | | 39.3 | | 21.5 | 37.4 | | 19.9 | 33.7 | | 74.0 |
| 78.0 | | | | | | | | | 32.1 | | 36.6 | 29.5 | 20.2 | 34.8 | | 18.3 | 31.6 | | 78.0 |
| 82.0 | | | | | | | | | 30.1 | | 34.2 | 27.5 | 17.6 | 32.4 | 25.5 | 13.9 | 29.7 | | 82.0 |
| 86.0 | | | | | | | | | 28.2 | | | 25.7 | | 30.3 | 23.6 | 10.0 | 28.0 | 22.7 | 86.0 |
| 90.0 | | | | | | | | | | | | 24.0 | | 28.3 | 22.0 | | 26.4 | 21.1 | 90.0 |
| 94.0 | | | | | | | | | | | | 22.5 | | 25.6 | 20.5 | | 24.8 | 19.6 | 94.0 |
| 98.0 | | | | | | | | | | | | | | | 19.1 | | 18.7 | 18.2 | 98.0 |
| 102.0 | | | | | | | | | | | | | | | 17.9 | | 13.1 | 17.0 | 102.0 |
| 106.0 | | | | | | | | | | | | | | | 16.7 | | | 15.8 | 106.0 |
| 110.0 | | | | | | | | | | | | | | | | | | 14.7 | 110.0 |
| 114.0 | | | | | | | | | | | | | | | | | | 13.7 | 114.0 |
| Reeves | 12 | | | 8 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

**78.0 m Boom Length**

| Boom length (m) | 78.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 30.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 78.0 | | | 84.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 20.0 | 20.6m/102.8 | | | | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 99.2 | | | | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 93.8 | | | 77.9 | | | | | | | | | | | | | | | 24.0 |
| 26.0 | 88.5 | | | 74.7 | | | | | | | | | | | | | | | 26.0 |
| 28.0 | 83.4 | | | 71.3 | | | 59.4 | | | | | | | | | | | | 28.0 |
| 30.0 | 78.6 | | | 68.0 | | | 57.4 | | | 47.7 | | | | | | | | | 30.0 |
| 34.0 | 69.5 | | | 61.6 | | | 53.1 | | | 45.1 | | | 37.0 | | | | | | 34.0 |
| 38.0 | 59.8 | 94.5 | | 55.6 | | | 48.9 | | | 42.4 | | | 35.3 | | | 31.6 | | | 38.0 |
| 42.0 | | 84.4 | | 50.4 | | | 44.8 | | | 39.5 | | | 33.5 | | | 30.2 | | | 42.0 |
| 46.0 | | 74.2 | | 45.8 | 73.9 | | 41.1 | | | 36.7 | | | 31.6 | | | 28.6 | | | 46.0 |
| 50.0 | | 64.2 | | 42.2 | 66.6 | | 37.7 | 64.9 | | 34.0 | | | 29.7 | | | 27.1 | | | 50.0 |
| 54.0 | | | | | 59.1 | | 34.6 | 59.2 | | 31.5 | 51.3 | | 27.8 | | | 25.5 | | | 54.0 |
| 58.0 | | | 48.9 | | 52.6 | | 32.0 | 53.2 | | 29.0 | 49.7 | | 26.0 | | | 24.0 | | | 58.0 |
| 62.0 | | | 45.2 | | 46.6 | 42.8 | 29.9 | 47.9 | | 27.1 | 47.4 | | 24.3 | 39.5 | | 22.5 | 34.9 | | 62.0 |
| 66.0 | | | | | | 39.7 | | 43.2 | | 25.2 | 44.0 | | 22.7 | 38.2 | | 21.1 | 34.2 | | 66.0 |
| 70.0 | | | | | | 36.9 | | 39.0 | 34.7 | 23.6 | 40.8 | | 21.2 | 36.7 | | 19.8 | 33.7 | | 70.0 |
| 74.0 | | | | | | 34.4 | | 35.0 | 32.3 | | 37.9 | | 19.9 | 35.9 | | 18.6 | 32.6 | | 74.0 |
| 78.0 | | | | | | | | | 30.1 | | 35.3 | 27.4 | 18.7 | 33.5 | | 16.3 | 31.3 | | 78.0 |
| 82.0 | | | | | | | | | 28.1 | | 33.0 | 25.5 | 15.6 | 31.2 | | 12.1 | 29.9 | | 82.0 |
| 86.0 | | | | | | | | | 26.4 | | 30.9 | 23.8 | | 29.1 | 21.7 | 8.4 | 28.4 | | 86.0 |
| 90.0 | | | | | | | | | | | | 22.2 | | 27.2 | 20.1 | | 27.0 | 19.3 | 90.0 |
| 94.0 | | | | | | | | | | | | 20.7 | | 24.5 | 18.7 | | 23.6 | 19.2 | 94.0 |
| 98.0 | | | | | | | | | | | | 19.4 | | 18.7 | 17.4 | | 17.9 | 17.8 | 98.0 |
| 102.0 | | | | | | | | | | | | | | | 16.2 | | 12.6 | 16.5 | 102.0 |
| 106.0 | | | | | | | | | | | | | | | 15.1 | | | 15.3 | 106.0 |
| 110.0 | | | | | | | | | | | | | | | 14.1 | | | 14.2 | 110.0 |
| 114.0 | | | | | | | | | | | | | | | | | | 13.2 | 114.0 |
| Reeves | 8 | | | 8 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m)

Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Unit: ton

**Counterweight: 180.0 ton, Carbody weight: 50.0 ton**
**Pallet weight: 130.0 ton x 16 m**

# Luffing Jib Lifting Capacity

84.0 m Boom Length

| Boom length (m) | 84.0 | | | | | | | | | | | | | | | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 30.0 | | | 42.0 | | | 54.0 | | | 66.0 | | | 72.0 | | | 78.0 | | | Jib length (m) |
| Boom angle | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | 86° | 76° | 66° | Boom angle |
| 20.0 | 21.4m/92.8 | | | | | | | | | | | | | | | | | | 20.0 |
| 22.0 | 90.8 | | | | | | | | | | | | | | | | | | 22.0 |
| 24.0 | 83.7 | | | 75.6 | | | | | | | | | | | | | | | 24.0 |
| 26.0 | 77.4 | | | 72.6 | | | | | | | | | | | | | | | 26.0 |
| 28.0 | 71.7 | | | 69.5 | | | 55.5 | | | | | | | | | | | | 28.0 |
| 30.0 | 66.6 | | | 65.9 | | | 53.7 | | | | | | | | | | | | 30.0 |
| 34.0 | 57.6 | | | 58.8 | | | 49.9 | | | 40.9 | | | 38.2 | | | 34.0 | | | 34.0 |
| 38.0 | 49.6 | | | 51.9 | | | 46.0 | | | 38.4 | | | 36.2 | | | 32.5 | | | 38.0 |
| 42.0 | | 73.6 | | 45.9 | | | 42.3 | | | 35.9 | | | 34.1 | | | 30.8 | | | 42.0 |
| 46.0 | | 63.6 | | 40.7 | 64.0 | | 38.9 | | | 33.4 | | | 31.9 | | | 29.0 | | | 46.0 |
| 50.0 | | 55.1 | | 35.8 | 56.3 | | 35.7 | 55.5 | | 31.0 | | | 29.8 | | | 27.3 | | | 50.0 |
| 54.0 | | 47.2 | | | 49.8 | | 32.9 | 49.4 | | 28.8 | | | 27.8 | | | 25.5 | | | 54.0 |
| 58.0 | | | | | 44.2 | | 29.5 | 44.2 | | 26.7 | 45.2 | | 25.9 | 42.0 | | 23.9 | | | 58.0 |
| 62.0 | | | | | 39.2 | | 26.2 | 39.7 | | 24.8 | 43.2 | | 24.1 | 40.5 | | 22.4 | 36.3 | | 62.0 |
| 66.0 | | | | | | | | 35.7 | | 23.2 | 40.9 | | 22.5 | 39.1 | | 20.9 | 35.3 | | 66.0 |
| 70.0 | | | | | | | | 32.1 | | 21.7 | 38.4 | | 21.0 | 37.2 | | 19.6 | 33.9 | | 70.0 |
| 74.0 | | | | | | | | 28.8 | | 20.5 | 36.0 | | 19.8 | 35.2 | | 18.4 | 33.1 | | 74.0 |
| 78.0 | | | | | | | | | | | 33.5 | | 18.7 | 33.0 | | 17.3 | 31.6 | | 78.0 |
| 82.0 | | | | | | | | | | | 29.6 | | | 30.6 | | 13.5 | 29.8 | | 82.0 |
| 86.0 | | | | | | | | | | | 25.6 | | | 27.1 | | | 27.8 | | 86.0 |
| 90.0 | | | | | | | | | | | | | | 23.7 | | | 24.8 | | 90.0 |
| 94.0 | | | | | | | | | | | | | | 20.0 | | | 21.8 | | 94.0 |
| 98.0 | | | | | | | | | | | | | | | | | 17.7 | | 98.0 |
| Reeves | 8 | | | 8 | | | 8 | | | 8 | | | 8 | | | 8 | | | Reeves |

Working Radius (m) — Working Radius (m)

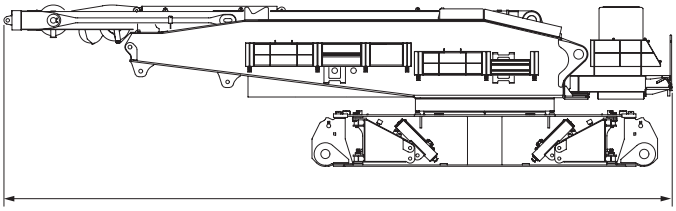
Note: Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

# TRANSPORTATION PLAN

## Base Machine

### Base machine (1)

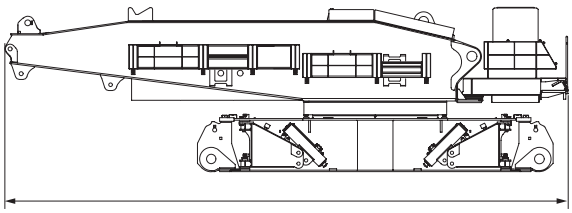
Base machine with mast and lower translifter without upper/lower connecting devices.



| | |
|---|---|
| Weight | 64,000 kg |
| Width | 3.0 m |
| Height (Machine) | 3.4 m |
| Length | 14.25 m |

### Base machine (2)

Base machine with lower translifter without upper/lower connecting devices and mast.

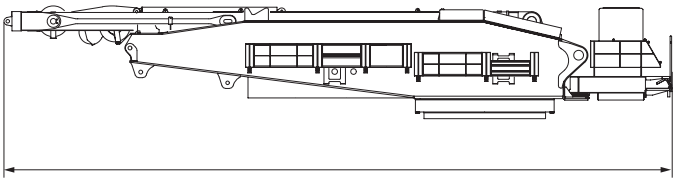


| | |
|---|---|
| Weight | 51,500 kg |
| Width | 3.0 m |
| Height (Machine) | 3.4 m |
| Length | 11.67 m |

## Upper Structure

### Upper Structure (1)

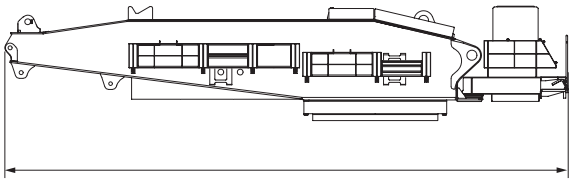
Upper structure with mast and upper connecting devices.



| | |
|---|---|
| Weight | 45,300 kg |
| Width | 3.0 m |
| Height (Machine) | 2.37 m |
| Length | 14.25 m |

### Upper Structure (2)

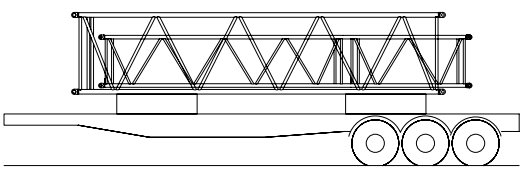
Upper structure and upper connecting devices without mast.



| | |
|---|---|
| Weight | 32,000 kg |
| Width | 3.0 m |
| Height (Machine) | 2.37 m |
| Length | 11.67 m |

## Attachments

With
1 x 12 m insert boom
1 x 12 m insert jib
2 x counterweights



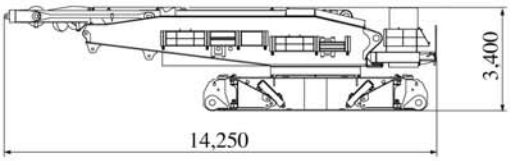
| | |
|---|---|
| Weight | 29,300 kg |
| Width | 3.0 m |
| Height (Boom) | 2.9 m |

Upper translifter: 2,400 kg
Lower translifter: 2,300 kg
Upper connecting device: 900 kg
Lower connecting device: 2,500 kg

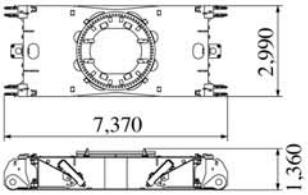
# PARTS AND ATTACHMENTS

Dimensions: mm Weight: kg

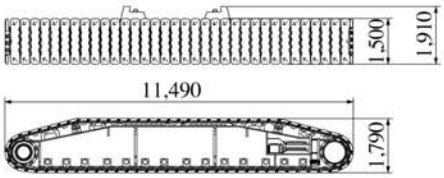
**Base Machine**
With mast and lower translifter without upper/lower connecting devices.
Weight: 64,000 kg Width: 3,000 mm



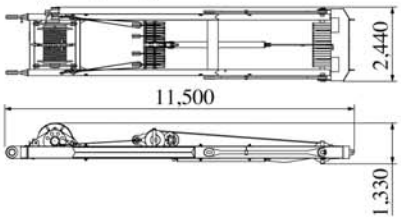

**Carbody**
With upper/lower connecting devices.
Weight: 22,610 kg Width: 2,990 mm



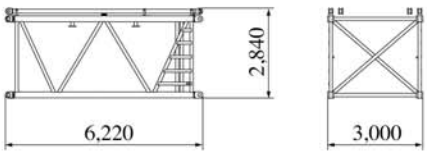

**Crawler**
Weight: 40,000 kg Width: 1,500 mm



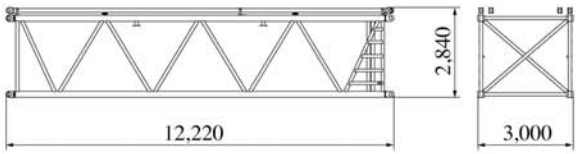

**Crane Mast (Standard)**
Weight: 12,460 kg



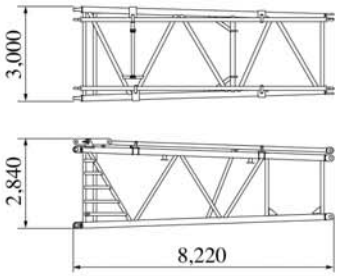

**6 m Insert Boom**
With 6 m guy line x 4
Weight: 3,760 kg



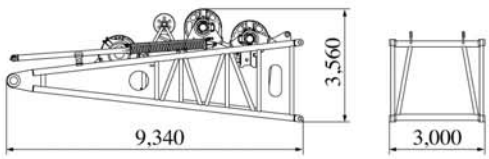

**12 m Insert Boom**
With 12 m guy line x 4
Weight: 6,570 kg



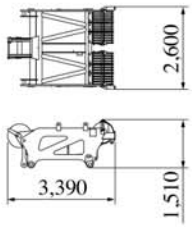

**8 m Tapered Boom**
With 8 m guy line x 2
Weight: 5,150 kg



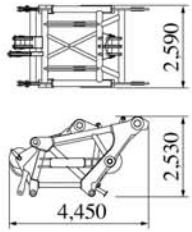

**9 m Boom Base**
With H1, H2 and W2 winches including ropes, guide sheave, and boom backstop
Weight: 29,280 kg



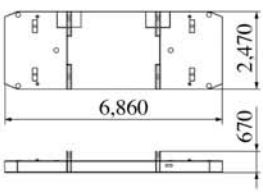

**Heavy Boom Top**
Weight: 4,910 kg



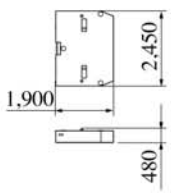

**Luffing Boom Top**
Weight: 5,520 kg



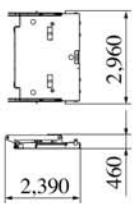

**Base Counterweight**
Weight: 20,000 kg



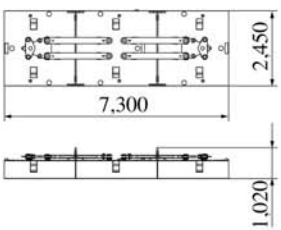

**Counterweight**
Weight: 10,000 kg




**Base Carbody Weight**
Weight: 5,400 kg

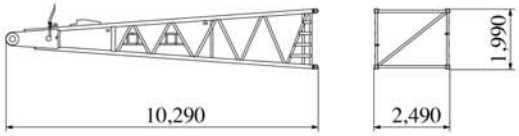



**Base Pallet Weight**
Weight: 11,000 kg

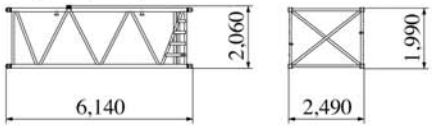


Dimensions: mm Weight: kg

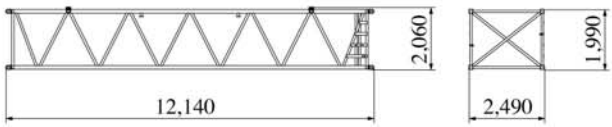
**10 m Jib Base**
Weight: 3,780 kg



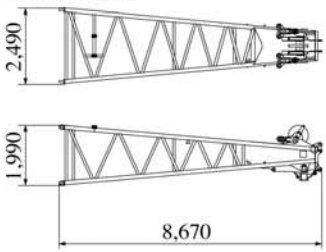

**6 m Insert Jib**
Weight: 1,470 kg



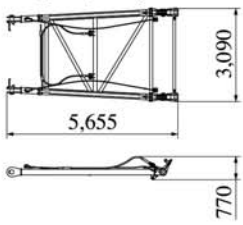

**12 m Insert Jib**
Weight: 2,680 kg



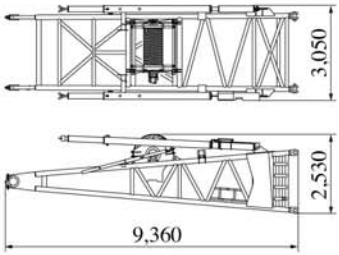

**8 m Jib Top**
Weight: 3,690 kg



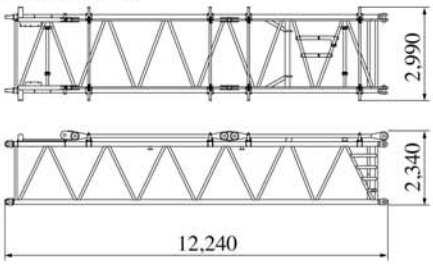

**Strut (For Heavy Fixed Jib)**
With guy cable
Weight: 1,510 kg



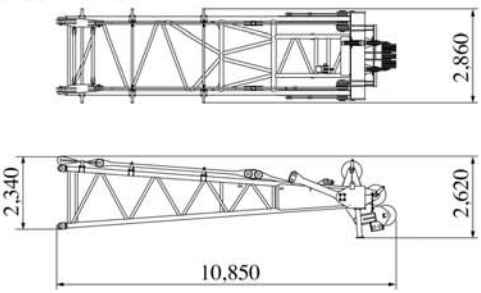

**9 m Mast Base**
Weight: 13,700 kg




**12 m Insert Mast**
With guy line
Weight: 5,650 kg




**10 m mast top**
With guy line
Weight: 10,080 kg




# Other Attachments

| Attachments | Weight | Dimensions (L x W x H) |
|---|---|---|
| Hanger sheave | 2,010 kg | 2,760 mm x 2,130 mm x 760 mm |
| 5 m insert boom for long boom | 1,790 kg | 5,180 mm x 2,490 mm x 2,230 mm |
| Rear strut base | 1,990 kg | 6,820 mm x 2,590 mm x 1,620 mm |
| Rear strut top | 2,410 kg | 7,060 mm x 1,530 mm x 1,390 mm |
| Front strut base | 1,840 kg | 7,460 mm x 1,640 mm x 1,330 mm |
| Front strut top | 3,040 kg | 8,080 mm x 1,530 mm x 2,090 mm |
| Auxiliary sheave | 650 kg | 2,380 mm x 1,130 mm x 910 mm |

Note: Estimated weights may vary ± 2%.

HYDRAULIC CRAWLER CRANE

# SL6000

**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.


CE

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