

# Manitowoc 16000

## Product Guide

ASME B30.5

Metric



### Features

- 400 t capacity
- 2 599 mton-m maximum load moment
- 5 066 mton-m maximum load moment with MAX-ER®
- 96 m No. 58 HL boom
- 105,6 m No. 133A fixed jib on No. 58 HL boom combination
- 138 m No. 59 luffing jib on No. 58 HL boom combination
- 372 kW engine

# Features

## EPIC®

Manitowoc's field-proven Electronically Processed Independent Controls (EPIC) system with CAN-BUS technology delivers high productivity and precise load control by instantly matching a crane's commands to the crane function. EPIC maximizes a Manitowoc crane's function capability and simplifies servicing by pinpointing any problem in the crane's engine, power transmission and other operating systems. In addition, EPIC increases versatility by easily tailoring a Manitowoc crane's operation for specialized applications, with or without attachments.



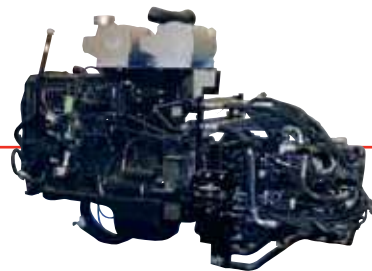
## FACT™ Connectors

Manitowoc's Fast Aligning Connection Technology (FACT) precisely and accurately aligns crane components for safe, fast, easy assembly.



## CraneSTAR

CraneSTAR is an exclusive and innovative crane asset management system that helps improve your profitability and reduce costs by remotely monitoring critical crane data. Visit [www.cranestar.com](http://www.cranestar.com) for more information.



## Hydraulics

Our closed-loop system provides a separate hydraulic circuit to power each crane function. The result is truly independent, variable-speed operation of the swing, load hoist, boom hoist and travel functions.

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# Specifications

## Upperworks



### Engine

Cummins Model QSX15 – C500 Tier 4i/3b diesel, 372 kW (500 BHP) at 1800 RPM.

Or

Cummins QSX15-C500 Tier 3 diesel, rated 500 HP at 1800 RPM

Includes pump drive disconnect for easier starting, engine block heater (120V), ether starting aid, high silencing muffler, hydraulic oil cooler, radiator and fan.

Multiple hydraulic pump drive transmission provides power for all machine functions.

Two 12 volt, 1400 CCA at -18°C, 24 volt system and 100 amp alternator.

946 L, with level indicator in operator's cab.

■ Optional: Cold-weather package with heater for fluids, and computer display.



### Controls

Modulating electronic-over-hydraulic controls provide infinite speed response directly proportional to control lever movement. Controls include Manitowoc's exclusive EPIC® Electronically Processed Independent Control system with CAN-BUS technology providing microprocessor driven control logic, pump control, on-board diagnostics, and service information.

Block-up limit control is standard for hoist and whip lines.

Integrated Rated Capacity Limiter system (RCL) is standard for main boom and upper boom point. "Function cut-out" or "warning only" operation is selected via a keyed switch on the RCL console.

Travel and swing alarms are standard.

■ Optional: Anemometer (wind speed indicator). Booms and jibs are pre wired for anemometer.



### Hydraulic system

High-pressure piston pumps, driven by a multi-pump transmission, provide independent closed-loop

hydraulic power for the hoisting drums, boom hoist, swing, left crawler and right crawler.

719 L hydraulic reservoir is equipped with breather, clean out access, and internal diffuser.

Each function is equipped with relief valves to protect the hydraulic circuit from overload or shock.

System includes oil cooler and replaceable, full flow filter. All oil is filtered before entering the hydraulic pumps.



### Drums

Basic machine is equipped with 108,6 cm wide and 64,1 cm diameter main hoist drum, mounted in the boom butt, and 82,2 cm wide and 64,1 cm diameter whip drum, mounted in the rotating bed. Each drum is driven by a variable-displacement hydraulic motor through a planetary reduction system. Drums are grooved for 28 mm rope.

Powered hoisting/lowering operation is standard with automatic (spring applied, hydraulically released) multi-disc brakes, and drum rotation indicators.

■ Optional: Auxiliary (third) hydraulic powered drum rated 147 kN line pull mounted in boom butt.



### Swing system

High strength steel adapter module is mounted on 3 m diameter triple row roller turntable bearing. Bearing adapter-mounted independent swing is powered by a fixed-displacement hydraulic motor coupled to an internal brake and planetary reduction.

Swing system maximum speed: 2.2 rpm.



### Moving mast hoist system

Independent moving mast hoist with two grooved drums, each 32,5 cm wide and 64,1 cm diameter drum grooved for 1-1/8" diameter wire rope.

Drum is powered by variable-displacement hydraulic motors coupled to integral brake and planetary reduction gearboxes. Ratcheting pawl and rotation indicator are standard.

Raise 96 m full main boom from 0° - 82° in 3 minutes, 48 seconds.

# Specifications



## Boom support system

Moving Mast is 9,75 m long and connects the boom hoist reeving to the steel boom suspension strap rigging. When used with the optional self-erect package, the mast is used for crane assembly and disassembly. It is capable of lifting and positioning the crawler assemblies, stacking the counterweights, and assembling the boom and luffing jib.

Spring cushioned boom stop and automatic boom stop are standard.



## Counterweight

Counterweight tray and counterweights for the upperworks attaches to the rotating bed with power actuated pins. Carbody counterweight connect to the carbody via high strength steel hooks integral with the carbody structure.

| QTY.           | ITEM                         | UNIT WEIGHT | TOTAL WEIGHT |
|----------------|------------------------------|-------------|--------------|
|                |                              | kg          | kg           |
| 10             | Upperworks<br>Upper Side Box | 8 164       | 81 640       |
| 1              | Counterweight Tray           | 19 958      | 19 958       |
| Series 1 Total |                              |             | 101 598      |
| 4              | Upperworks<br>Upper Side Box | 8 164       | 32 656       |
| 2              | Carbody<br>Center Box        | 13 608      | 27 216       |
| Series 2 Total |                              |             | 161 470      |
| 2              | Upperworks<br>Upper Side Box | 8 164       | 16 328       |
| 4              | Carbody<br>Side Box          | 6 804       | 27 216       |
| Series 3 Total |                              |             | 205 014      |



## Vision operator's cab

The Vision Cab™ is a fully enclosed and insulated galvanized steel module mounted to the left front corner of rotating bed. Module is equipped with power tilt, sliding door, large safety glass windows, front and roof windshield wipers, dome light, sun visor and shade, fire extinguisher, air conditioning, swing and travel alarms, and radio/CD player. Operator's station swings over front of rotating bed for transportation.

Optional: Nylon protective window covers.

## Lowerworks



## Carbody

Connects rotating bed to crawler assemblies. High strength fabricated steel assembly with FACT™ connection system for safe, fast installation and removal of crawler assemblies.



## Crawlers

Crawler assemblies are 10,4 m long with 1,5 m wide cast steel crawler pads and automatically lubricated intermediate rollers. Each crawler is identical and can be mounted on either side of the carbody. Each crawler is powered independently by a variable displacement hydraulic motor and includes hydraulically powered pin actuators for fast installation and removal from carbody. Carbody mounted drive motors are connected to crawler final reduction via drive shaft with guard. Crawlers provide ample tractive effort for counter rotation with full rated load.

Maximum ground speed of 1,24 kph.

## Attachments



## No. 58 heavy-lift boom

The liftcrane is equipped with 30 m No. 58 basic boom consisting of 8 m butt, 12 m insert with luffing hoist sheaves, 5 m transition insert, and 5 m top with thirteen 76,2 cm diameter tapered roller bearing sheaves. Includes rope guides, boom hoist wire rope, boom angle indicator and hook and weight ball. The boom utilize Manitowoc's exclusive FACT™ connection system boom connector. Spring cushioned boom stop. Automatic boom stop. Powered boom hinge system including cylinder, piping, operating controls, and locking device standard.

Optional: 6 m and 12 m No. 58 boom inserts with steel boom suspension straps.

Optional: No. 58 detachable upper boom point with one 76,2 cm diameter tapered roller bearing steel sheave grooved for 28 mm rope with rope guard.

Optional: 97,6 t detachable extended upper boom point with three 76,2 cm diameter tapered roller bearing steel sheave grooved for 28 mm rope with rope guard.



# Specifications



## No. 133A fixed jib

21,3 m basic No. 133A fixed jib including pin connected 9,1 m butt, 12,2 m top, 6,4 m strut and mounting hardware.

Optional: 3 m, 6,1 m and 12,2 m No. 133A inserts with pin connectors.

Utilize fixed jib inserts in combination with the No. 133A fixed jib length of 42,7 m.



## No. 59 luffing jib

24 m basic No. 59 luffing jib including PIN connected 7 m butt, (1) 6 m inserts and 11 m top, basic pendants, fixed strut, jib strut, backstay pendants, boom point guide wheel, luffing jib hoist with ratchet and pawl; quick disconnect for jib hoist piping, and 1" luffing jib hoist line (luffing jib preparation is standard).

Optional: 6 m and 12 m No. 59 luffing jib inserts with steel boom suspension straps.

Utilize luffing jib inserts in combination with the No. 59 basic luffing jib for total luffing jib lengths up to 84 m.



## The Wheeled MAX-ER®

The Wheeled MAX-ER® attachment components include:

30 m of No. 59A mast consisting of a 6 m butt, 6 m insert, 12 m insert and 6 m top.

One additional swing drive (for a total of two) mounted on the rotating module. Each swing drive is powered by a fixed-displacement hydraulic motor coupled to a planetary reduction gearbox and internal brake.

Two 12 m heavy No. 58 boom inserts.

Counterweight includes (8) 19 958 kg and (2) 13 608 kg boxes.

The wheeled MAX-ER® counterweight can be positioned 11 m, 13 m, or 15 m behind the crane's centerline of rotation, utilizing structural stinger equipped with hydraulic cylinder.



## The Hanging MAX-ER®

The Hanging MAX-ER® attachment components include:

30 m of No. 59A mast consisting of a 6 m butt, 6 m insert, 12 m insert and 6 m top.

One additional swing drive (for a total of two) mounted on the rotating module. Each swing drive is powered by a fixed-displacement hydraulic motor coupled to a planetary reduction gearbox and internal brake.

Two 12 m heavy No. 58 boom inserts.

The hanging MAX-ER® counterweight assembly attaches to the top of the mast by steel straps and to the rear of the upperworks by a beam assembly.

Counterweight includes (10) 19 958 kg and (2) 6 804 kg boxes.

The hanging MAX-ER® counterweight can be positioned 11 m, 13 m, or 15 m behind the crane's centerline of rotation.

### Optional equipment

18,1 t swivel hook and weight ball. Single line pull is 13 610 kg.

Self-erect system includes, jacking cylinders with pads, 41 t assembly block and crawler handling chains.

Hydraulic Test Kit: required to properly analyze the performance of the EPIC® control system.

Service Interval Kits for the regularly scheduled maintenance of general crane operations.

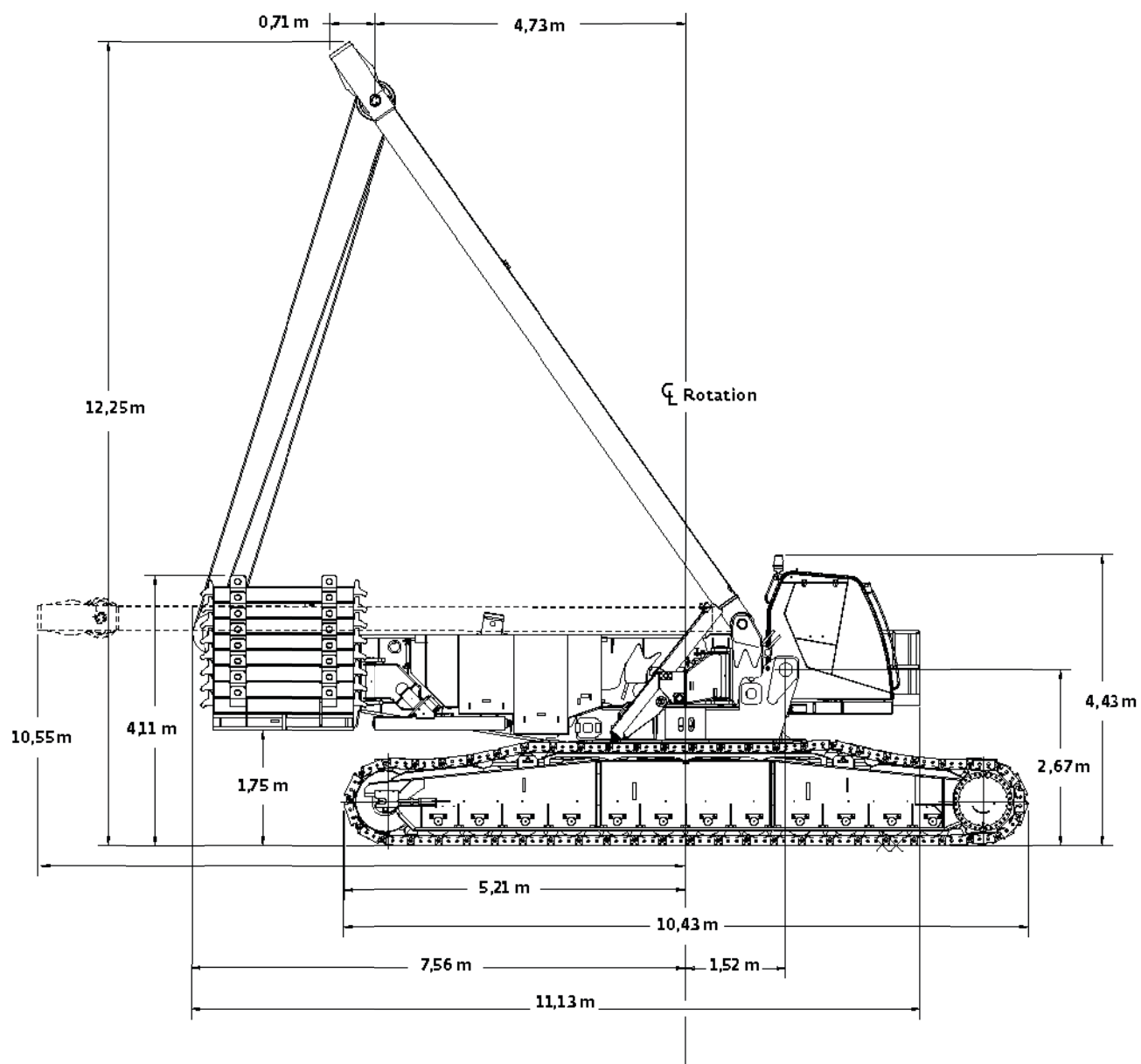
Special Paint color(s) other than Manitowoc standard red and black.

Custom vinyl decal(s) of customer name and/or logo from artwork supplied by customer.

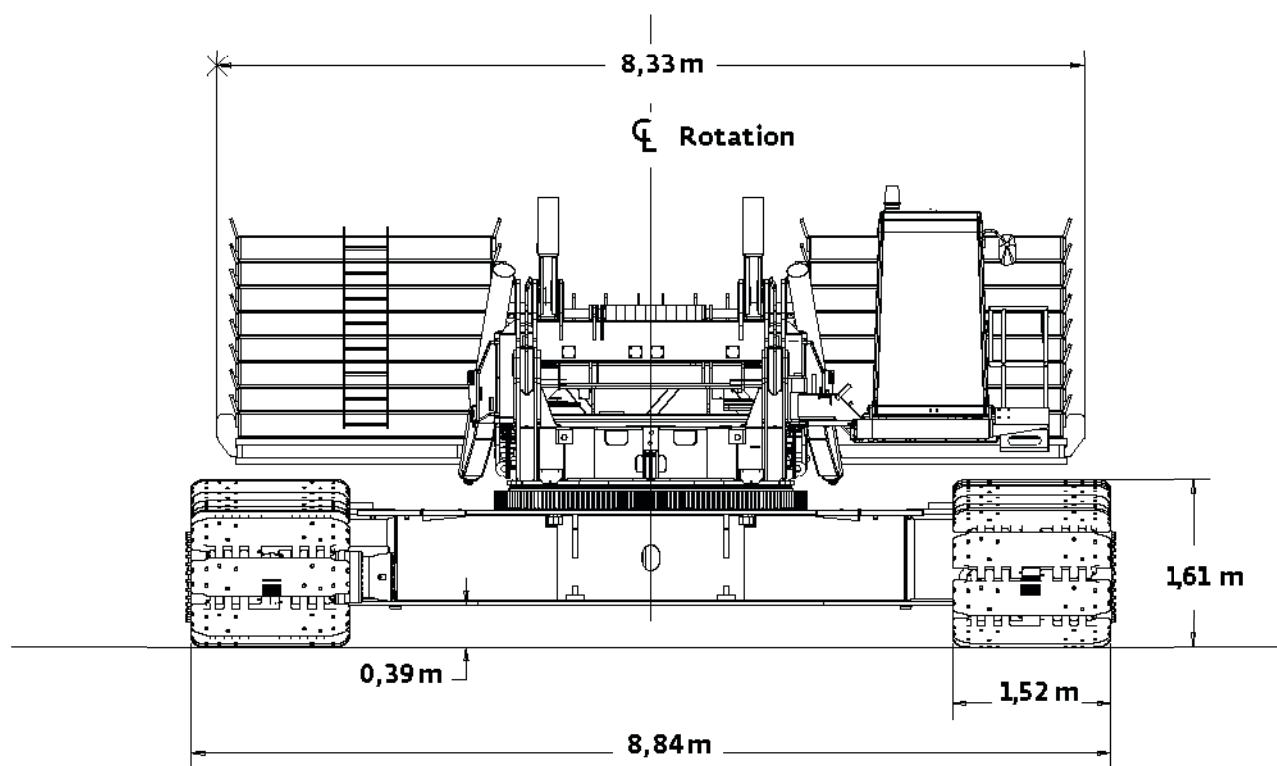
Export Packaging: basic crane, boom and jib sections.

Additional load blocks available upon request.

# Outline dimensions

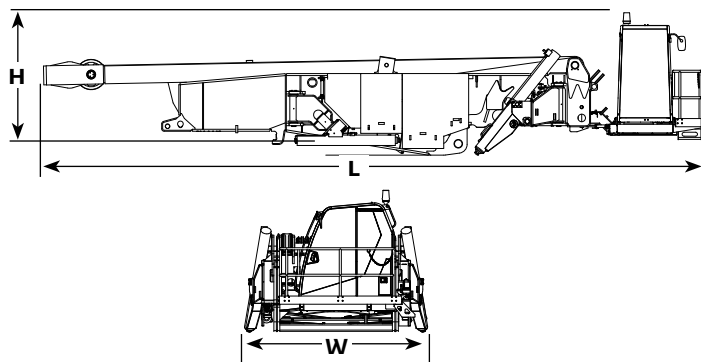


# Outline dimensions



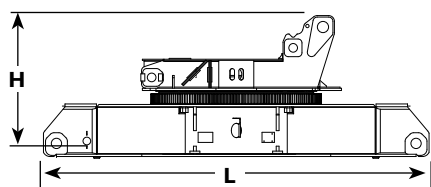


# Outline dimensions



## Rotating bed assembly

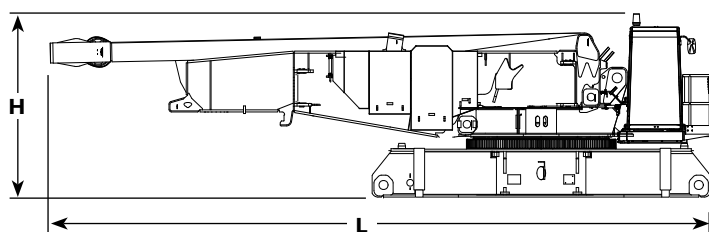
|        |           |
|--------|-----------|
| Length | 13,25 m   |
| Width  | 3,20 m    |
| Height | 2,87 m    |
| Weight | 39 612 kg |



## Carbody assembly

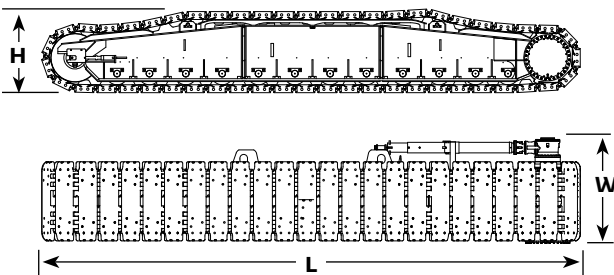
|        |           |
|--------|-----------|
| Length | 6,78 m    |
| Width  | 3,00 m    |
| Height | 2,52 m    |
| Weight | 28 161 kg |

*Note: Weight includes rotating bed adapter frame with bearing turntable, four swing drives, and carbody.*



## Rotating bed and carbody assembly (decked version)

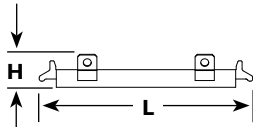
|        |           |
|--------|-----------|
| Length | 6,78 m    |
| Width  | 3,00 m    |
| Height | 3,20 m    |
| Weight | 64 982 kg |



## Crawlers

|        |           |
|--------|-----------|
| Length | 10,43 m   |
| Width  | 2,03 m    |
| Height | 1,61 m    |
| Weight | 32 665 kg |

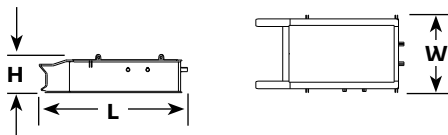
# Outline dimensions



## Upper counterweight

|          |      |
|----------|------|
| Series 1 | x 10 |
| Series 2 | x 14 |
| Series 3 | x 16 |

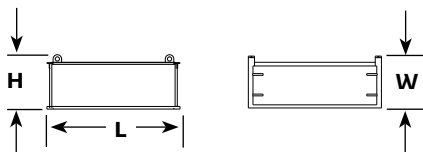
|        |          |
|--------|----------|
| Length | 2,54 m   |
| Width  | 2,61 m   |
| Height | 0,41 m   |
| Weight | 8 164 kg |



## Carbody center counterweight

|          |     |
|----------|-----|
| Series 2 | x 2 |
| Series 3 | x 2 |

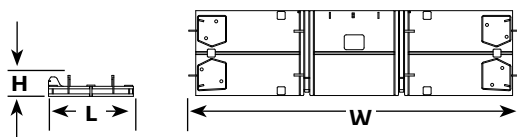
|        |           |
|--------|-----------|
| Length | 3,45 m    |
| Width  | 1,80 m    |
| Height | 0,89 m    |
| Weight | 13 607 kg |



## Carbody side counterweight

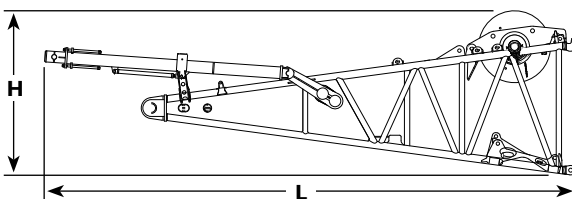
|          |     |
|----------|-----|
| Series 3 | x 4 |
|----------|-----|

|        |          |
|--------|----------|
| Length | 2,18 mm  |
| Width  | 0,86 m   |
| Height | 0,89 m   |
| Weight | 6 803 kg |



## Upper counterweight tray

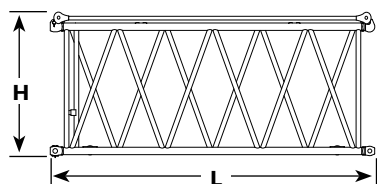
|        |           |
|--------|-----------|
| Length | 2,14 m    |
| Width  | 8,33 m    |
| Height | 0,53 m    |
| Weight | 19 958 kg |



## No. 58 Boom butt, drum 1, luffing drum, wire rope

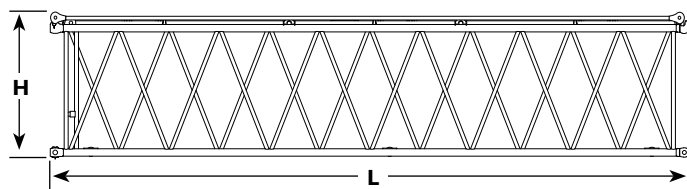
|        |           |
|--------|-----------|
| Length | 10,13 m   |
| Width  | 2,96 m    |
| Height | 3,10 m    |
| Weight | 21 609 kg |

# Outline dimensions



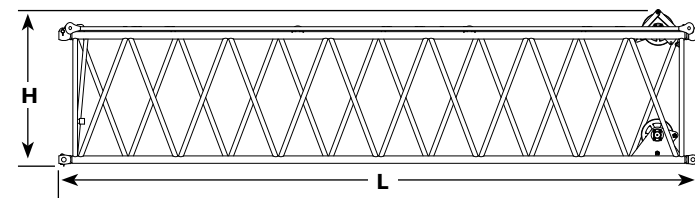
## 6,0 m No. 58 boom insert and straps

|        |          |
|--------|----------|
| Length | 6,19 m   |
| Width  | 2,96 m   |
| Height | 2,67 m   |
| Weight | 2 562 kg |



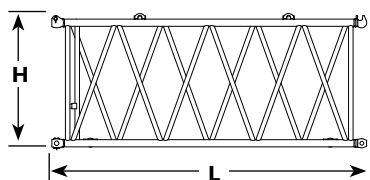
## 12,0 m No. 58 boom insert and straps

|        |          |
|--------|----------|
| Length | 12,19 m  |
| Width  | 2,96 m   |
| Height | 2,65 m   |
| Weight | 4 236 kg |



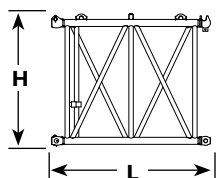
## 12,0 m No. 58 heavy boom insert with sheave

|        |          |
|--------|----------|
| Length | 12,19 m  |
| Width  | 2,96 m   |
| Height | 2,67 m   |
| Weight | 5 595 kg |



## 6,0 m No. 58 WA boom insert and straps

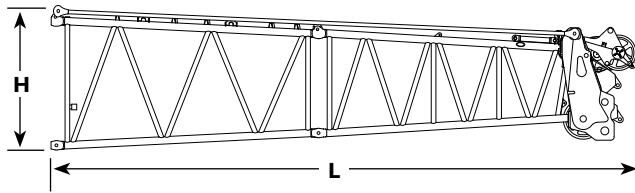
|        |          |
|--------|----------|
| Length | 6,19 m   |
| Width  | 2,96 m   |
| Height | 2,67 m   |
| Weight | 2 690 kg |



## 3,0 m No. 58 WA boom insert and straps

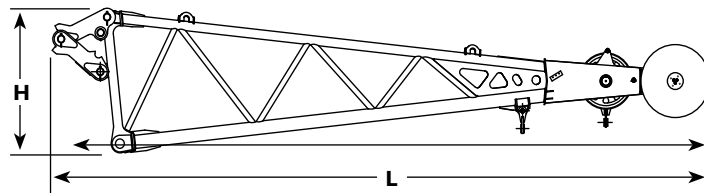
|        |          |
|--------|----------|
| Length | 3,19 m   |
| Width  | 2,96 m   |
| Height | 2,67 m   |
| Weight | 1 599 kg |

# Outline dimensions



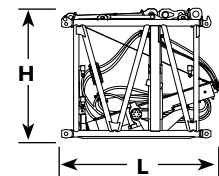
## 5,0 m No. 58 boom top with 5,0 m transitional insert and straps

|        |           |
|--------|-----------|
| Length | 11,41 m   |
| Width  | 2,96 m    |
| Height | 2,67 m    |
| Weight | 11 373 kg |



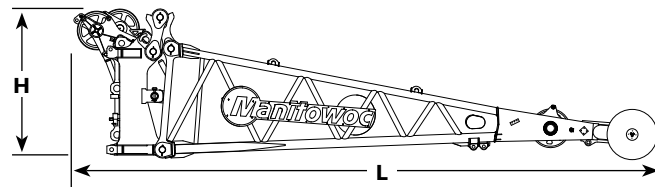
## 7,0 m No. 58 extended upper boom point

|        |          |
|--------|----------|
| Length | 9,52 m   |
| Width  | 2,60 m   |
| Height | 1,99 m   |
| Weight | 3 674 kg |



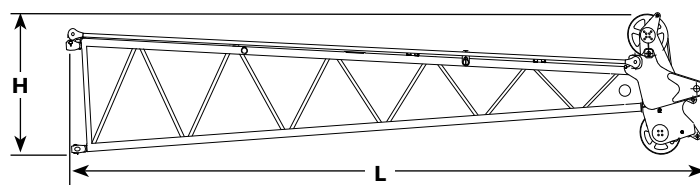
## 3,0 m No. 58 boom insert with BRS cylinder and straps

|        |          |
|--------|----------|
| Length | 3,40 m   |
| Width  | 2,96 m   |
| Height | 2,78 m   |
| Weight | 5 488 kg |



## No. 58 WA boom cap and No. 58 WA extended upper boom point

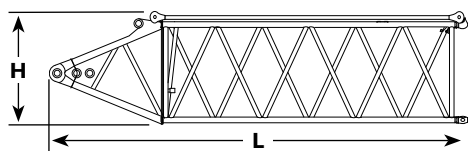
|        |          |
|--------|----------|
| Length | 11,50 m  |
| Width  | 2,70 m   |
| Height | 2,97 m   |
| Weight | 8 519 kg |



## 11,0 m No. 59 luffing jib top

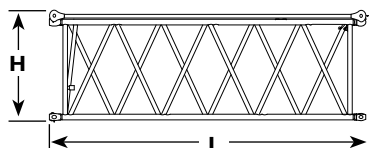
|        |          |
|--------|----------|
| Length | 11,95 m  |
| Width  | 2,69 m   |
| Height | 2,54 m   |
| Weight | 6 015 kg |

# Outline dimensions



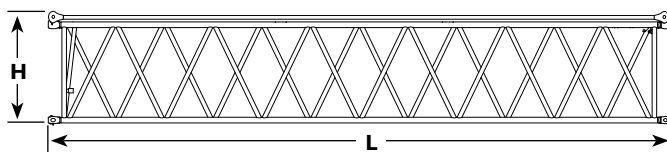
## 7,0 m No. 59 luffing jib butt

|        |          |
|--------|----------|
| Length | 7,15 m   |
| Width  | 2,69 m   |
| Height | 2,17 m   |
| Weight | 2 722 kg |



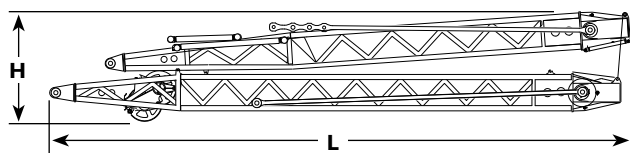
## 6,0 m No. 59 luffing jib insert

|        |          |
|--------|----------|
| Length | 6,19 m   |
| Width  | 2,69 m   |
| Height | 2,17 m   |
| Weight | 1 685 kg |



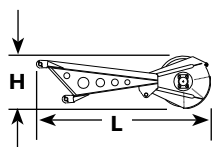
## 12,0 m No. 59 luffing jib insert

|        |          |
|--------|----------|
| Length | 12,19 m  |
| Width  | 2,69 m   |
| Height | 2,17 m   |
| Weight | 2 928 kg |



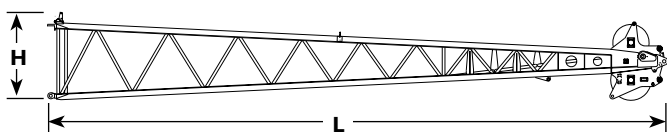
## 11,5 m No. 59 luffing jib strut with point sheaves and straps

|        |          |
|--------|----------|
| Length | 12,46 m  |
| Width  | 2,69 m   |
| Height | 2,27 m   |
| Weight | 9 287 kg |



## 11,5 m No. 59 luffing jib upper point roller assembly

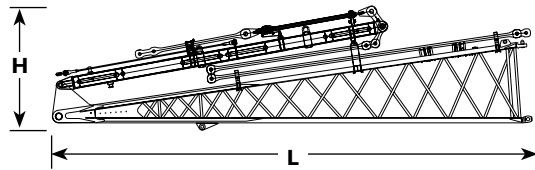
|        |        |
|--------|--------|
| Length | 2,64 m |
| Width  | 0,41 m |
| Height | 0,81 m |
| Weight | 460 kg |



## 12,2 m No. 133A fixed jib top

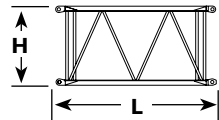
|        |          |
|--------|----------|
| Length | 13,06 m  |
| Width  | 2,08 m   |
| Height | 1,65 m   |
| Weight | 3 649 kg |

# Outline dimensions



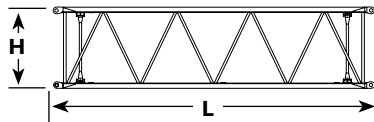
## 9,1 m No. 133A fixed jib butt with struts

|        |          |
|--------|----------|
| Length | 9,38 m   |
| Width  | 2,07 m   |
| Height | 2,42 m   |
| Weight | 4 607 kg |



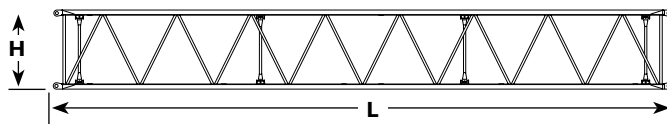
## 3,0 m No. 133A fixed jib insert

|        |        |
|--------|--------|
| Length | 3,18 m |
| Width  | 2,07 m |
| Height | 1,65 m |
| Weight | 559 kg |



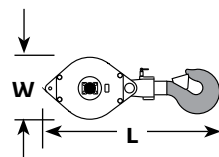
## 6,1 m No. 133A fixed jib insert

|        |        |
|--------|--------|
| Length | 6,22 m |
| Width  | 2,07 m |
| Height | 1,65 m |
| Weight | 960 kg |



## 12,2 m No. 133A fixed jib insert

|        |          |
|--------|----------|
| Length | 12,32 m  |
| Width  | 2,07 m   |
| Height | 1,65 m   |
| Weight | 1 712 kg |



## Hook block for 28 mm wire rope

|          |          |        |        |
|----------|----------|--------|--------|
| Capacity | 410 mt   | Length | 3,37 m |
| Weight   | 9 661 kg | Width  | 1,19 m |

|          |          |        |        |
|----------|----------|--------|--------|
| Capacity | 317 mt   | Length | 2,63 m |
| Weight   | 7 892 kg | Width  | 1,15 m |

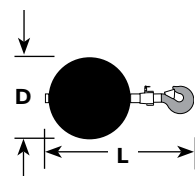
|          |          |        |        |
|----------|----------|--------|--------|
| Capacity | 227 mt   | Length | 2,72 m |
| Weight   | 5 257 kg | Width  | 0,93 m |

|          |          |        |        |
|----------|----------|--------|--------|
| Capacity | 182 mt   | Length | 2,65 m |
| Weight   | 4 308 kg | Width  | 0,87 m |

|          |          |        |        |
|----------|----------|--------|--------|
| Capacity | 100 mt   | Length | 2,28 m |
| Weight   | 3 404 kg | Width  | 0,86 m |

|          |          |        |        |
|----------|----------|--------|--------|
| Capacity | 41 mt*   | Length | 1,90 m |
| Weight   | 1 179 kg | Width  | 0,91 m |

\*Assembly block



## Weight ball

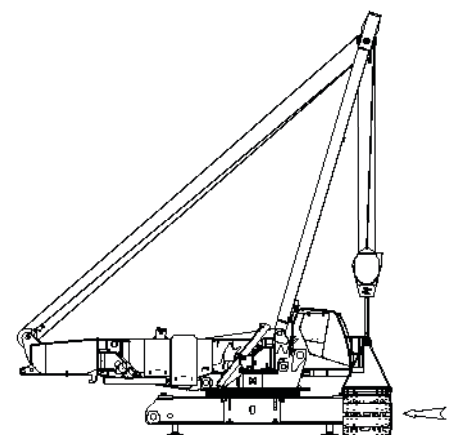
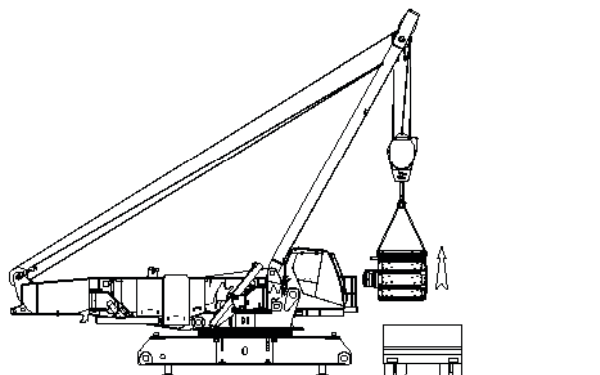
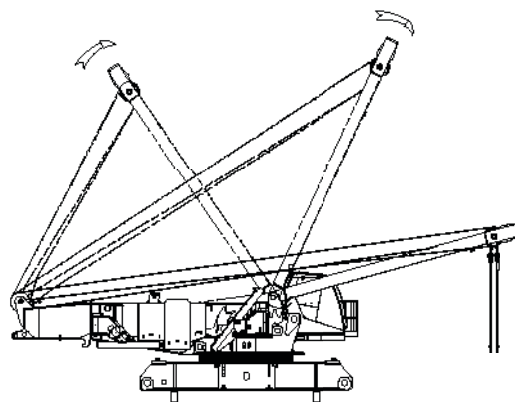
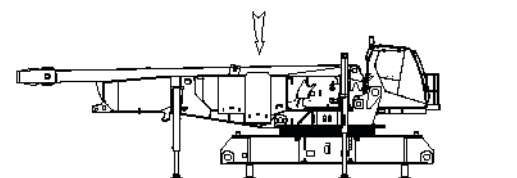
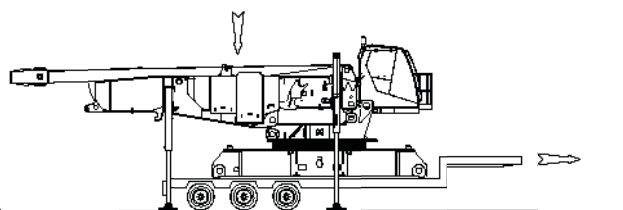
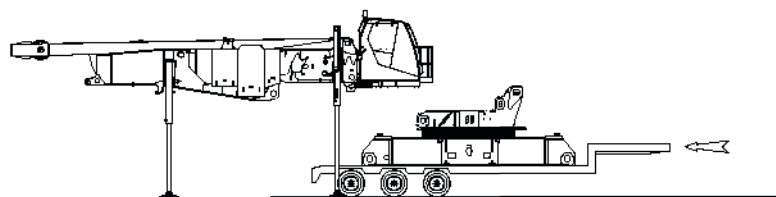
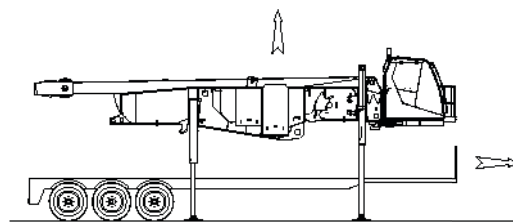
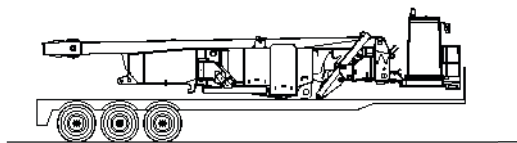
|                 |        |          |        |
|-----------------|--------|----------|--------|
| Capacity/Swivel | 18 mt  | Diameter | 0,47 m |
| Weight          | 771 kg | Length   | 1,23 m |

# Transport data

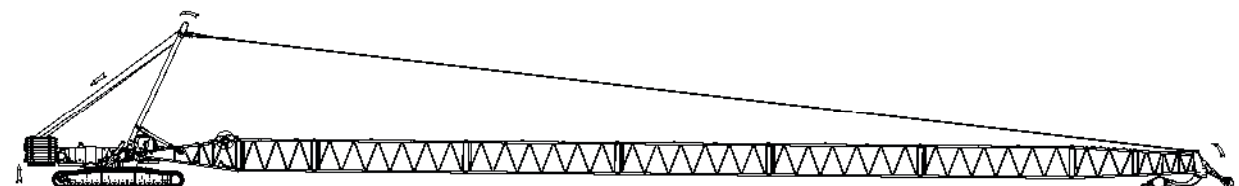
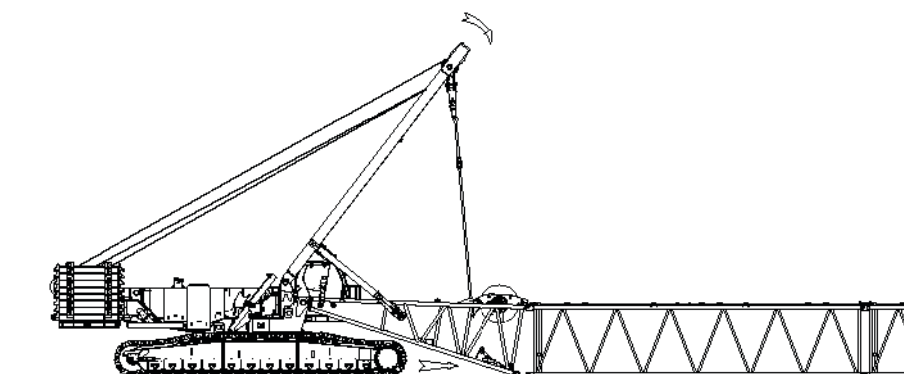
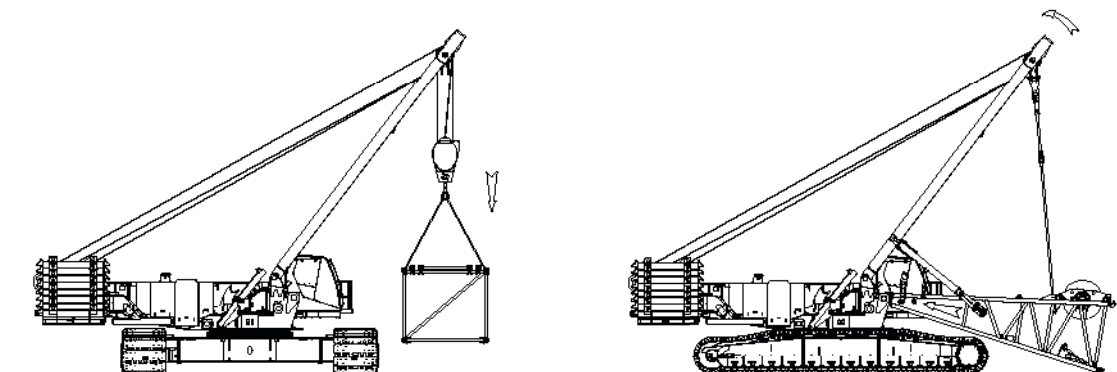
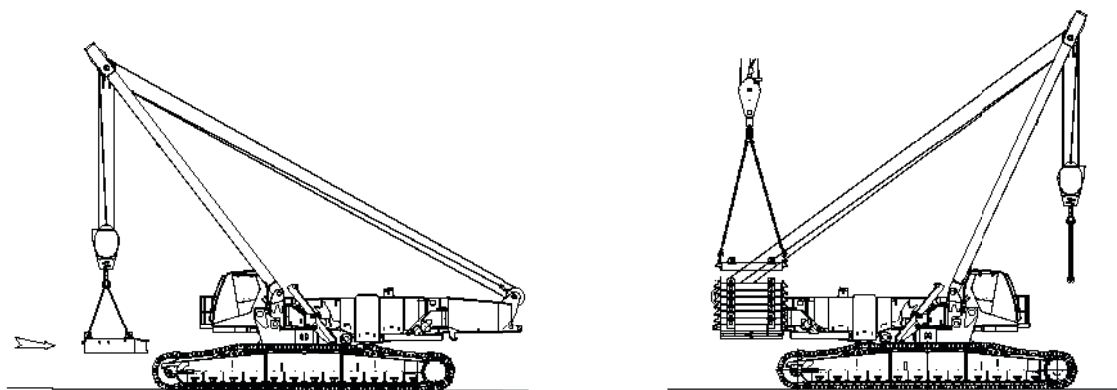
| Load summary                                              |                                                                                                                                                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Item                                                      | 107 m No. 58WA boom with BRS + 7 m No. 58 extended upper boom point<br>Quantity on trailer load #<br>(Does not include blocking, strapping, etc.) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                                           | Weight<br>each item<br>kg                                                                                                                         | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     | 18     | 19     | 20     | 21     |
| Upperworks module                                         | 39 612                                                                                                                                            | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Carbody and adapter                                       | 28 161                                                                                                                                            |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Crawler assembly                                          | 32 665                                                                                                                                            |        |        | 1      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Counterweight tray                                        | 19 958                                                                                                                                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        | 1      |
| Upper counterweight (box)                                 | 8 164                                                                                                                                             |        |        |        |        | 1      |        | 1      | 1      | 2      | 1      | 2      | 1      | 1      | 2      | 1      | 2      |        |        |        |        |        |
| Carbody center counterweight                              | 13 607                                                                                                                                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 1      |        |        |
| Carbody side counterweight                                | 6 803                                                                                                                                             |        |        |        |        |        |        | 1      | 1      |        |        |        |        |        |        |        |        |        | 1      | 1      |        |        |
| Auxiliary counterweight tray                              | 2 903                                                                                                                                             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |
| Auxiliary counterweight (box)                             | 7 938                                                                                                                                             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |
| 8,0 m No. 58 boom butt, drum 1 w/ wire rope               | 21 609                                                                                                                                            |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 5,0 m No. 58 boom top and straps                          | 9 169                                                                                                                                             |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 5,0 m No. 58 boom trans. insert and straps                | 2 204                                                                                                                                             |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 6,0 m No. 58 boom insert and straps                       | 2 562                                                                                                                                             |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |
| 12,0m No. 58 boom with WRG Boom insert and straps         | 5 595                                                                                                                                             |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 12,0 m No. 58 boom insert and straps                      | 4 236                                                                                                                                             |        |        |        |        |        |        |        | 1      | 1      | 1      | 1      | 1      | 1      |        |        |        |        |        |        |        |        |
| 3,0 m No. 58 boom insert with BRS cylinder and straps     | 5 448                                                                                                                                             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |
| BRS A-frame and intermediate suspension                   | 680                                                                                                                                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |
| No. 58WA boom cap and No. 58 WA extended upper boom point | 3 674                                                                                                                                             |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |
| 180 t 5 sheave load block                                 | 4 309                                                                                                                                             |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |
| 100 t 3 sheave load block                                 | 3 402                                                                                                                                             |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |
| Reel cable - 701 m                                        | 3 629                                                                                                                                             |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |
| Miscellaneous                                             | 907                                                                                                                                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |
| Payload for each trailer m                                |                                                                                                                                                   | 39 612 | 28 161 | 32 665 | 32 665 | 19 538 | 21 609 | 20 562 | 19 203 | 20 564 | 16 705 | 20 564 | 16 029 | 15 802 | 18 890 | 11 683 | 18 414 | 19 958 | 20 410 | 20 410 | 13 380 | 19 684 |



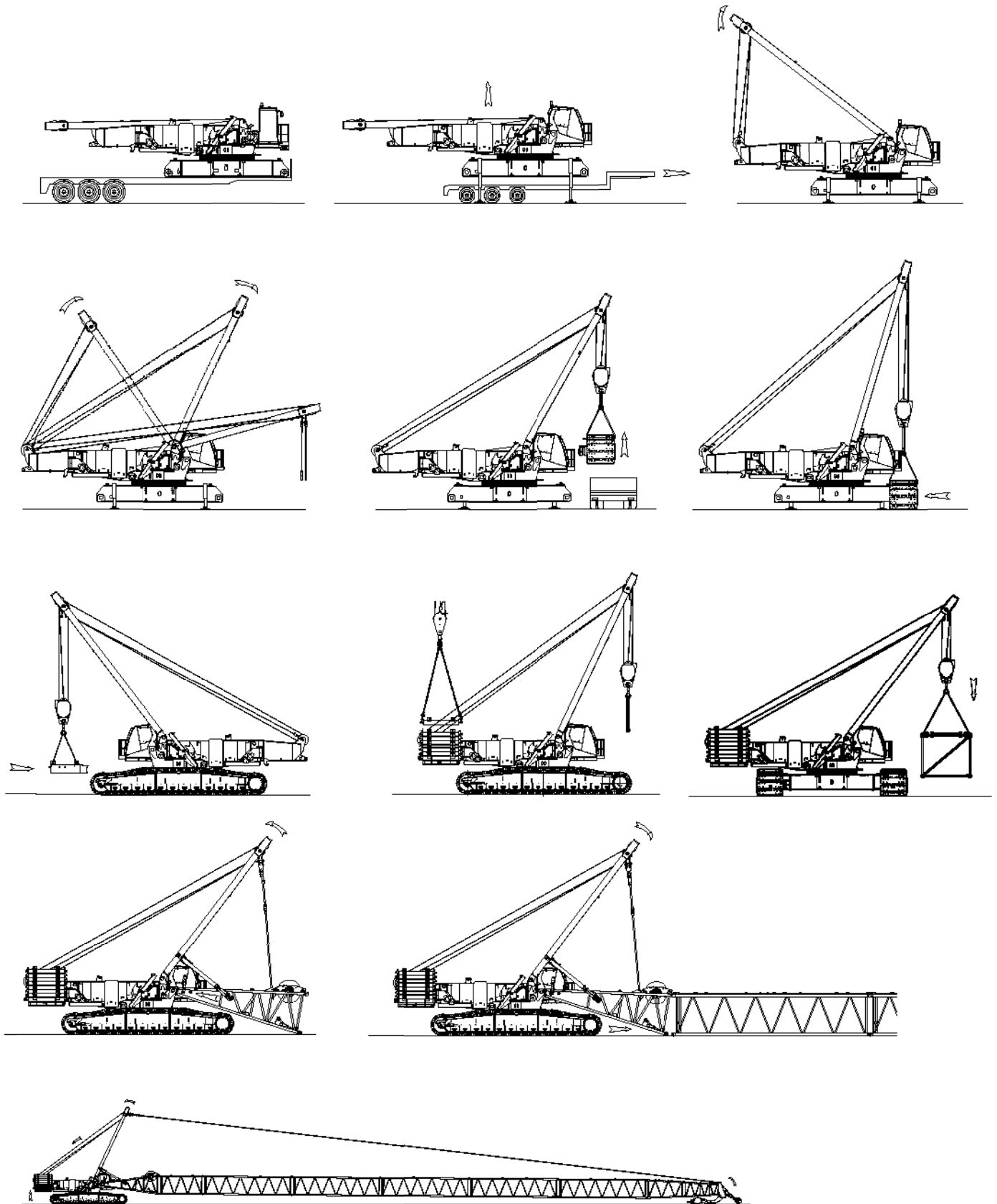
# Crane assembly - undecked



# Crane assembly - undecked



# Crane assembly - decked



# Performance data

| Main hoist<br>28 mm wire rope<br>Single line speed in m per minute |             |             |             |             |             |             |             |             |             |              |              |
|--------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Single line pull<br>kg                                             | Layer       |             |             |             |             |             |             |             |             |              |              |
|                                                                    | 1<br>335 mm | 2<br>363 mm | 3<br>391 mm | 4<br>419 mm | 5<br>447 mm | 6<br>475 mm | 7<br>503 mm | 8<br>531 mm | 9<br>559 mm | 10<br>587 mm | 11<br>615 mm |
| 0                                                                  | 105         | 114         | 123         | 132         | 140         | 149         | 158         | 167         | 176         | 184          | 193          |
| 2 268                                                              | 105         | 114         | 123         | 132         | 140         | 149         | 158         | 167         | 176         | 184          | 193          |
| 4 536                                                              | 105         | 114         | 123         | 131         | 139         | 147         | 154         | 162         | 169         | 176          | 183          |
| 6 804                                                              | 103         | 110         | 117         | 124         | 131         | 135         | 136         | 137         | 138         | 139          | 141          |
| 9 072                                                              | 98          | 101         | 102         | 104         | 105         | 106         | 107         | 108         | 109         | 111          | 112          |
| 11 340                                                             | 83          | 84          | 85          | 87          | 87          | 89          | 90          | 91          | 92          | 94           | 95           |
| 13 608                                                             | 71          | 73          | 74          | 75          | 76          | 77          | 78          | 80          | 81          | 82           | 83           |
| 16 239                                                             | 62          | 63          | 65          | 66          | 67          | 68          | 69          | 70          | 72          | 73           | 74           |

| Whip drum<br>28 mm wire rope<br>Single line speed in m per minute |             |             |             |             |             |             |             |
|-------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Single line pull<br>kg                                            | Layer       |             |             |             |             |             |             |
|                                                                   | 1<br>335 mm | 2<br>363 mm | 3<br>391 mm | 4<br>419 mm | 5<br>447 mm | 6<br>475 mm | 7<br>503 mm |
| 0                                                                 | 85          | 92          | 99          | 106         | 113         | 120         | 127         |
| 2 268                                                             | 80          | 86          | 92          | 98          | 105         | 111         | 116         |
| 4 536                                                             | 75          | 81          | 86          | 91          | 96          | 101         | 101         |
| 6 804                                                             | 68          | 69          | 69          | 70          | 71          | 72          | 73          |
| 9 072                                                             | 53          | 54          | 55          | 56          | 57          | 58          | 59          |
| 11 340                                                            | 45          | 45          | 46          | 47          | 48          | 49          | 50          |
| 13 608                                                            | 39          | 40          | 41          | 41          | 42          | 43          | 44          |

# Performance data

| Optional high speed whip<br>28 mm wire rope<br>single line speed in m per minute |             |             |             |             |             |             |             |
|----------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Single line pull<br>kg                                                           | Layer       |             |             |             |             |             |             |
|                                                                                  | 1<br>335 mm | 2<br>363 mm | 3<br>391 mm | 4<br>419 mm | 5<br>447 mm | 6<br>475 mm | 7<br>503 mm |
| 0                                                                                | 105         | 114         | 123         | 132         | 140         | 149         | 158         |
| 2 268                                                                            | 105         | 114         | 123         | 132         | 140         | 149         | 158         |
| 4 536                                                                            | 105         | 114         | 123         | 131         | 139         | 147         | 154         |
| 6 804                                                                            | 103         | 110         | 117         | 124         | 131         | 135         | 136         |
| 9 072                                                                            | 98          | 101         | 102         | 104         | 105         | 106         | 107         |
| 11 340                                                                           | 83          | 84          | 85          | 87          | 87          | 89          | 90          |
| 13 608                                                                           | 71          | 73          | 74          | 75          | 76          | 77          | 78          |

| No. 58 HL boom<br>28 mm hoist line |                         |             |                     |                                                           |
|------------------------------------|-------------------------|-------------|---------------------|-----------------------------------------------------------|
| Boom<br>length<br>m                | Whip line - drum 2 or 3 |             | Hoist line - drum 1 |                                                           |
|                                    | 1 Part<br>m             | 2 Part<br>m | m                   | Maximum<br>parts of line<br>for full<br>hoisting<br>range |
| 30,0                               | 79                      | 116         | 838                 | 26                                                        |
| 36,0                               | 91                      | 134         | 853                 | 22                                                        |
| 42,0                               | 104                     | 152         | 853                 | 18                                                        |
| 48,0                               | 116                     | 171         | 930                 | 18                                                        |
| 54,0                               | 128                     | 186         | 930                 | 14                                                        |
| 60,0                               | 140                     | 204         | 930                 | 14                                                        |
| 66,0                               | 152                     | 223         | 930                 | 12                                                        |
| 72,0                               | 165                     | 241         | 930                 | 10                                                        |
| 78,0                               | 177                     | 259         | 930                 | 10                                                        |
| 84,0                               | 189                     | 277         | 930                 | 8                                                         |
| 90,0                               | 201                     | 296         | 930                 | 6                                                         |
| 96,0                               | 213                     | 314         | 930                 | 6                                                         |

| No. 58 HL boom<br>Main load block reeving<br>28 mm wire rope |                    |
|--------------------------------------------------------------|--------------------|
| No. parts of line                                            | Maximum load<br>kg |
| 2                                                            | 32 520             |
| 4                                                            | 65 090             |
| 6                                                            | 97 610             |
| 8                                                            | 130 180            |
| 10                                                           | 162 750            |
| 12                                                           | 195 270            |
| 14                                                           | 227 840            |
| 16                                                           | 260 360            |
| 18                                                           | 292 930            |
| 20                                                           | 322 690            |
| 22                                                           | 351 530            |
| 24                                                           | 379 840            |
| 26                                                           | 400 000            |

NOTE: Hoist and whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

# Performance data

## No. 58 HL boom with 7 m extended upper boom point 28 mm wire rope

| Boom length<br>m | Whip line<br>drum 2 or 3<br>1 Part<br>m | Hoist line<br>drum 1 |                     |
|------------------|-----------------------------------------|----------------------|---------------------|
|                  |                                         | m                    | Total parts of line |
| 66,0             | 168                                     | 533                  | 6                   |
| 72,0             | 180                                     | 579                  | 6                   |
| 78,0             | 192                                     | 610                  | 6                   |
| 84,0             | 204                                     | 655                  | 6                   |
| 90,0             | 216                                     | 701                  | 6                   |

NOTE: Hoist and whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

## No. 58 HL boom with 7 m extended upper boom point Main load block reeving 28 mm wire rope

| No. parts of line | Maximum load<br>kg |
|-------------------|--------------------|
| 2                 | 32 520             |
| 4                 | 65 090             |
| 6                 | 97 600             |

## No. 58 HL boom with 7 m extended upper boom point and 30 m No. 59A mast 28 mm wire rope

| Boom length<br>m (ft) | Whip line<br>drum 2 or 3<br>1 Part<br>m | Hoist line<br>drum 1 |                     |
|-----------------------|-----------------------------------------|----------------------|---------------------|
|                       |                                         | m                    | Total parts of line |
| 96,0 (315.0)          | 229                                     | 747                  | 6                   |

NOTE: Hoist and whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

## No. 58 HL boom with 7 m extended upper boom point and No. 59A 30 m mast 28 mm wire rope

| No. parts of line | Maximum load<br>kg |
|-------------------|--------------------|
| 2                 | 32 520             |
| 4                 | 65 090             |
| 6                 | 81 500             |

## No. 58 WA boom with 7.6 m extended upper boom point 28 mm wire rope

| Boom length<br>m | Whip line - drum 2 or 3 |             | Hoist line - drum 1 |                     |
|------------------|-------------------------|-------------|---------------------|---------------------|
|                  | 1 Part<br>m             | 2 Part<br>m | m                   | Total parts of line |
| 65               | 183                     | 244         | 686                 | 8                   |
| 68               | 183                     | 259         | 701                 | 8                   |
| 71               | 183                     | 274         | 732                 | 8                   |
| 74               | 198                     | 274         | 762                 | 8                   |
| 77               | 198                     | 290         | 792                 | 8                   |
| 80               | 198                     | 290         | 808                 | 8                   |
| 83               | 213                     | 305         | 838                 | 8                   |
| 86               | 213                     | 320         | 869                 | 8                   |
| 89               | 229                     | 320         | 899                 | 8                   |
| 92               | -                       | -           | 914                 | 8                   |

## No. 58 WA boom with 7.6 m extended upper boom point Main load block reeving 28 mm wire rope

| No. parts of line | Maximum load<br>kg |
|-------------------|--------------------|
| 2                 | 32 520             |
| 4                 | 65 090             |
| 6                 | 97 610             |
| 8                 | 130 000            |

# Performance data

| No. 59 luffing jib on No. 58 HL boom<br>28 mm hoist line |                           |                     |             |
|----------------------------------------------------------|---------------------------|---------------------|-------------|
| Boom length<br>m                                         | Hoist line<br>drum 1<br>m | Whip line<br>drum 2 |             |
|                                                          |                           | 1 Part<br>m         | 2 Part<br>m |
| 30,0                                                     | 747                       | 244                 | 366         |
| 36,0                                                     | 808                       | 259                 | 381         |
| 42,0                                                     | 808                       | 274                 | 396         |
| 48,0                                                     | 823                       | 290                 | 427         |
| 54,0                                                     | 823                       | 305                 | 442         |
| 60,0                                                     | 823                       | 305                 | 442         |
| 66,0                                                     | 823                       | 305                 | 422         |

NOTE: Hoist line lengths given in table include all luffing jib lengths. Hoist and whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

| No. 59 luffing jib on No. 58 HL boom<br>Main load block reeving<br>28 mm hoist line |                    |
|-------------------------------------------------------------------------------------|--------------------|
| No. parts of line                                                                   | Maximum load<br>kg |
| 2                                                                                   | 32 520             |
| 4                                                                                   | 65 090             |
| 6                                                                                   | 97 610             |
| 8                                                                                   | 130 180            |
| 10                                                                                  | 162 750            |
| 12                                                                                  | 185 200            |

| No. 133A fixed jib on No. 58 HL boom<br>28 mm hoist line |                           |                           |
|----------------------------------------------------------|---------------------------|---------------------------|
| m                                                        | Hoist line<br>drum 1<br>m | Hoist line<br>drum 2<br>m |
| 42,0                                                     | 535                       | 475                       |
| 48,0                                                     | 565                       | 475                       |
| 54,0                                                     | 610                       | 475                       |
| 60,0                                                     | 660                       | 475                       |
| 66,0                                                     | 670                       | 475                       |
| 72,0                                                     | 705                       | 475                       |

NOTE: Hoist line lengths given in table include all luffing jib lengths. Hoist and whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

| No. 133A luffing jib on No. 58 HL boom<br>Main load block reeving<br>28 mm hoist line |                    |
|---------------------------------------------------------------------------------------|--------------------|
| No. parts of line                                                                     | Maximum load<br>kg |
| 2                                                                                     | 32 520             |
| 4                                                                                     | 65 090             |
| 6                                                                                     | 93 300             |

# Performance data

| MAX-ER<br>No. 58 HL boom<br>28 mm wire rope |                         |             |                     |                        |
|---------------------------------------------|-------------------------|-------------|---------------------|------------------------|
| Boom<br>length<br>m                         | Whip line - drum 2 or 3 |             | Hoist line - drum 1 |                        |
|                                             | 1 Part<br>m             | 2 Part<br>m | m                   | Total parts<br>of line |
| 42,0                                        | 107                     | 152         | 1 082               | 24                     |
| 48,0                                        | 119                     | 171         | 1 128               | 22                     |
| 54,0                                        | 131                     | 189         | 1 158               | 20                     |
| 60,0                                        | 143                     | 207         | 1 158               | 18                     |
| 66,0                                        | 155                     | 226         | 1 158               | 16                     |
| 72,0                                        | 168                     | 244         | 1 158               | 14                     |
| 78,0                                        | 177                     | 262         | 1 189               | 14                     |
| 84,0                                        | 189                     | 277         | 1 189               | 12                     |
| 90,0                                        | 201                     | 296         | 1 189               | 10                     |
| 96,0                                        | 213                     | 314         | 1 189               | 8                      |
| 102,0                                       | 226                     | 332         | 1 189               | 8                      |
| 108,0                                       | 238                     | 351         | 1 189               | 6                      |
| 114,0                                       | 250                     | 369         | 1 189               | 6                      |
| 120,0                                       | 262                     | 387         | 1 189               | 6                      |

*NOTE: Hoist and whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.*

| MAX-ER<br>No. 58 HL boom<br>Main load block reeving<br>28 mm wire rope |                    |
|------------------------------------------------------------------------|--------------------|
| No. parts of line                                                      | Maximum load<br>kg |
| 2                                                                      | 32 520             |
| 4                                                                      | 65 090             |
| 6                                                                      | 97 610             |
| 8                                                                      | 130 180            |
| 10                                                                     | 162 750            |
| 12                                                                     | 195 270            |
| 14                                                                     | 227 840            |
| 16                                                                     | 260 360            |
| 18                                                                     | 292 930            |
| 20                                                                     | 322 690            |
| 22                                                                     | 351 530            |
| 24                                                                     | 379 800            |



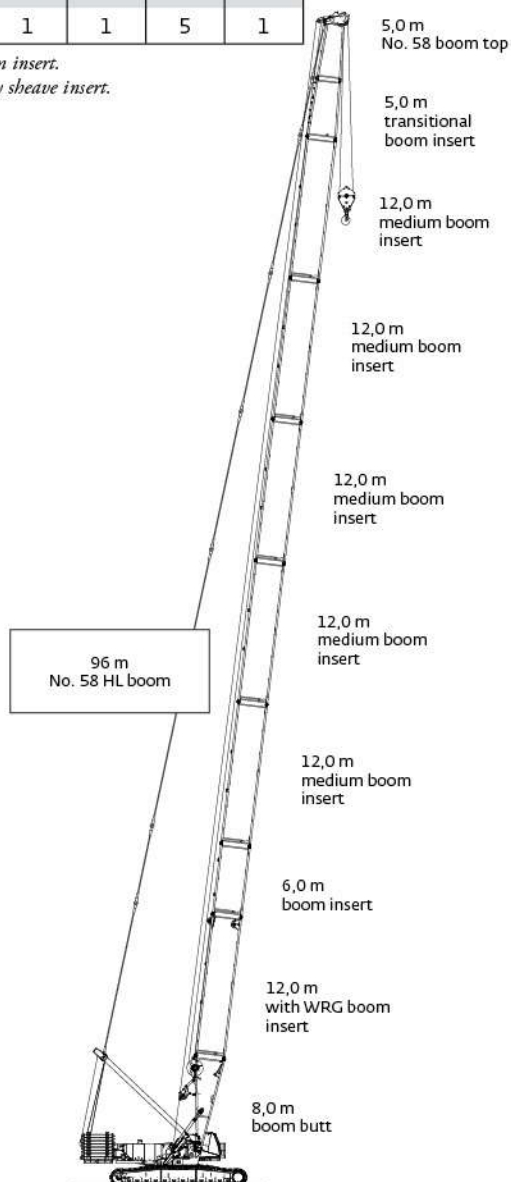
# Boom combinations

**No. 58 HL boom combinations**

| Boom length m | Boom inserts length m |     |      |        |
|---------------|-----------------------|-----|------|--------|
|               | 5,0*                  | 6,0 | 12,0 | 12,0** |
| 30            | 1                     | 0   | 0    | 1      |
| 36            | 1                     | 1   | 0    | 1      |
| 42            | 1                     | 0   | 1    | 1      |
| 48            | 1                     | 1   | 1    | 1      |
| 54            | 1                     | 0   | 2    | 1      |
| 60            | 1                     | 1   | 2    | 1      |
| 66            | 1                     | 0   | 3    | 1      |
| 72            | 1                     | 1   | 3    | 1      |
| 78            | 1                     | 0   | 4    | 1      |
| 84            | 1                     | 1   | 4    | 1      |
| 90            | 1                     | 0   | 5    | 1      |
| 96            | 1                     | 1   | 5    | 1      |

\*transition boom insert.

\*\*with auxiliary sheave insert.

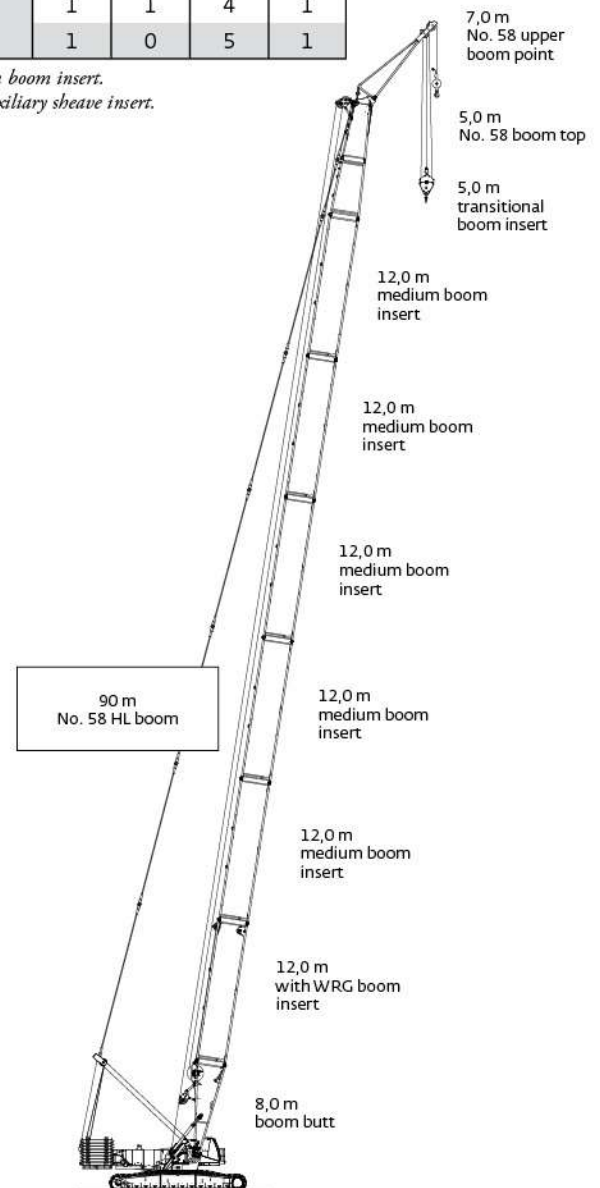


**No. 58 HL boom with 7 m extended upper boom point combinations**

| Boom length m | Boom inserts length m |     |      |        |
|---------------|-----------------------|-----|------|--------|
|               | 5,0*                  | 6,0 | 12,0 | 12,0** |
| 30            | 1                     | 0   | 0    | 1      |
| 36            | 1                     | 1   | 0    | 1      |
| 42            | 1                     | 0   | 1    | 1      |
| 48            | 1                     | 1   | 1    | 1      |
| 54            | 1                     | 0   | 2    | 1      |
| 60            | 1                     | 1   | 2    | 1      |
| 66            | 1                     | 0   | 3    | 1      |
| 72            | 1                     | 1   | 3    | 1      |
| 78            | 1                     | 0   | 4    | 1      |
| 84            | 1                     | 1   | 4    | 1      |
| 90            | 1                     | 0   | 5    | 1      |

\*transition boom insert.

\*\*with auxiliary sheave insert.



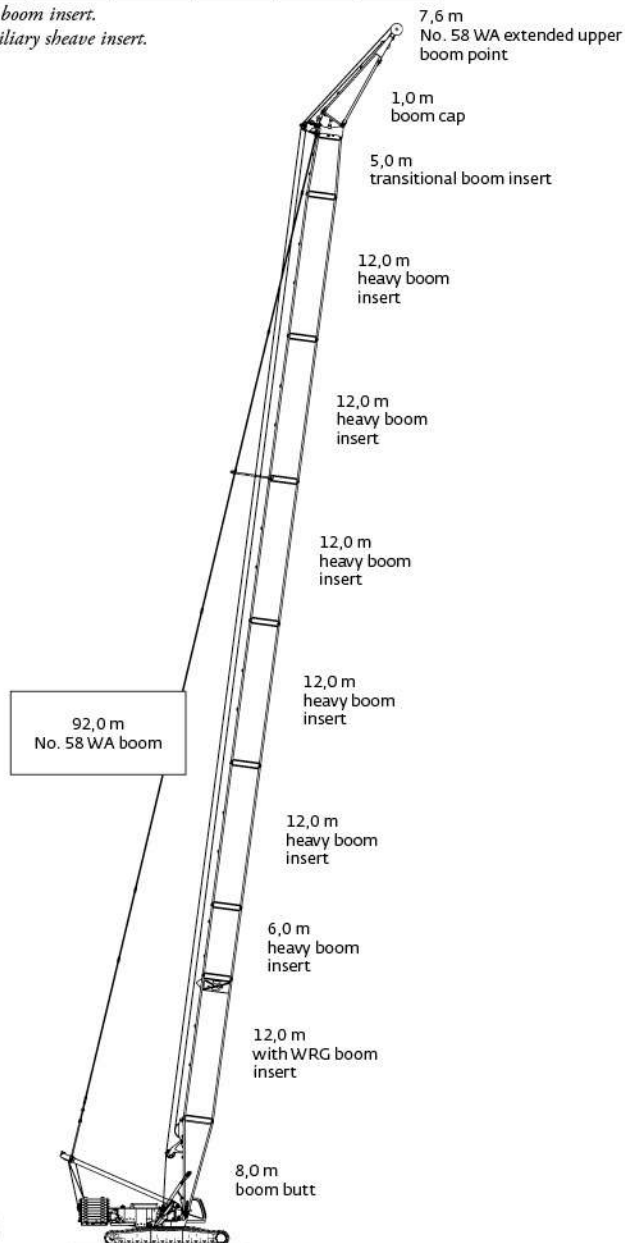
# Boom combinations

**No. 58 WA boom combinations with 7,6 m extended upper boom point**

| Boom length m | Boom inserts length m |     |      |      |        |
|---------------|-----------------------|-----|------|------|--------|
|               | 5,0*                  | 6,0 | 12,0 | 12,0 | 12,0** |
| 65            | 1                     | 1   | 0    | 3    | 1      |
| 68            | 1                     | 0   | 1    | 3    | 1      |
| 71            | 1                     | 1   | 0    | 3    | 1      |
| 74            | 1                     | 0   | 1    | 4    | 1      |
| 77            | 1                     | 1   | 0    | 4    | 1      |
| 80            | 1                     | 0   | 1    | 4    | 1      |
| 83            | 1                     | 1   | 0    | 4    | 1      |
| 86            | 1                     | 0   | 1    | 5    | 1      |
| 89            | 1                     | 1   | 0    | 5    | 1      |
| 92            | 1                     | 0   | 1    | 5    | 1      |

\*transition boom insert.

\*\*with auxiliary sheave insert.



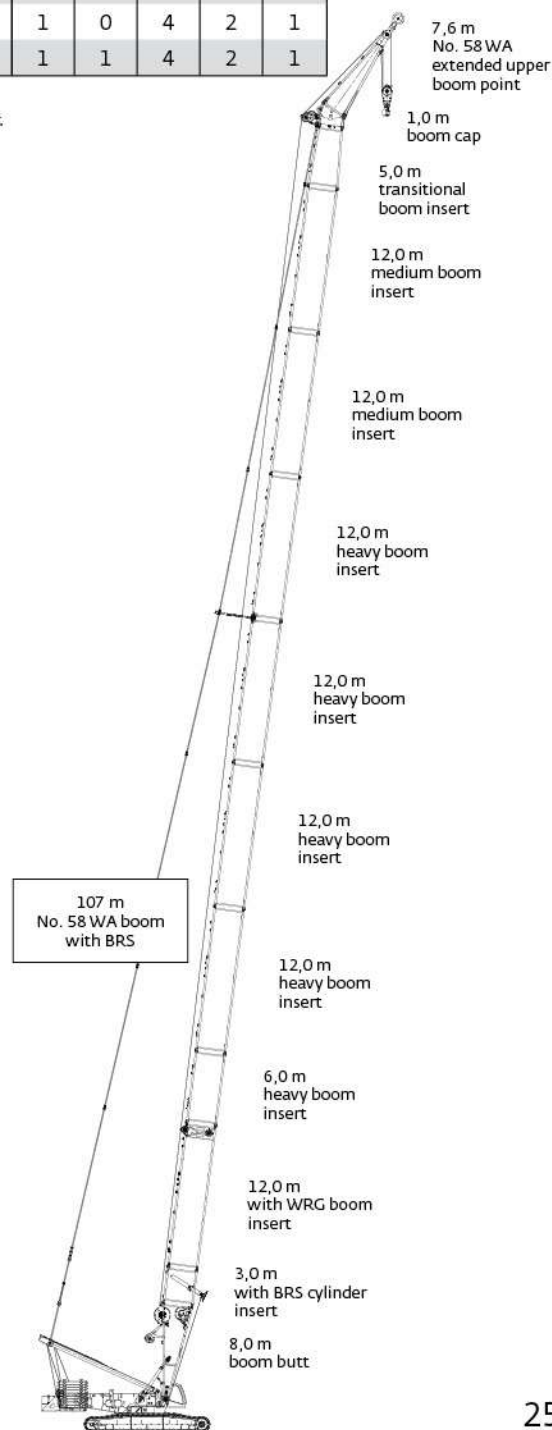
**No. 58 WA boom with BRS combinations with 7,6 m extended upper boom point**

| Boom length m | Boom inserts length m |     |        |     |      |      |        |
|---------------|-----------------------|-----|--------|-----|------|------|--------|
|               | 5,0*                  | 3,0 | 3,0*** | 6,0 | 12,0 | 12,0 | 12,0** |
| 89            | 1                     | 0   | 1      | 0   | 5    | 0    | 1      |
| 92            | 1                     | 1   | 1      | 0   | 5    | 0    | 1      |
| 95            | 1                     | 0   | 1      | 1   | 5    | 0    | 1      |
| 98            | 1                     | 1   | 1      | 1   | 5    | 0    | 1      |
| 101           | 1                     | 0   | 1      | 0   | 5    | 1    | 1      |
| 104           | 1                     | 1   | 1      | 0   | 4    | 2    | 1      |
| 107           | 1                     | 0   | 1      | 1   | 4    | 2    | 1      |

\*transition boom insert.

\*\*with auxiliary sheave insert.

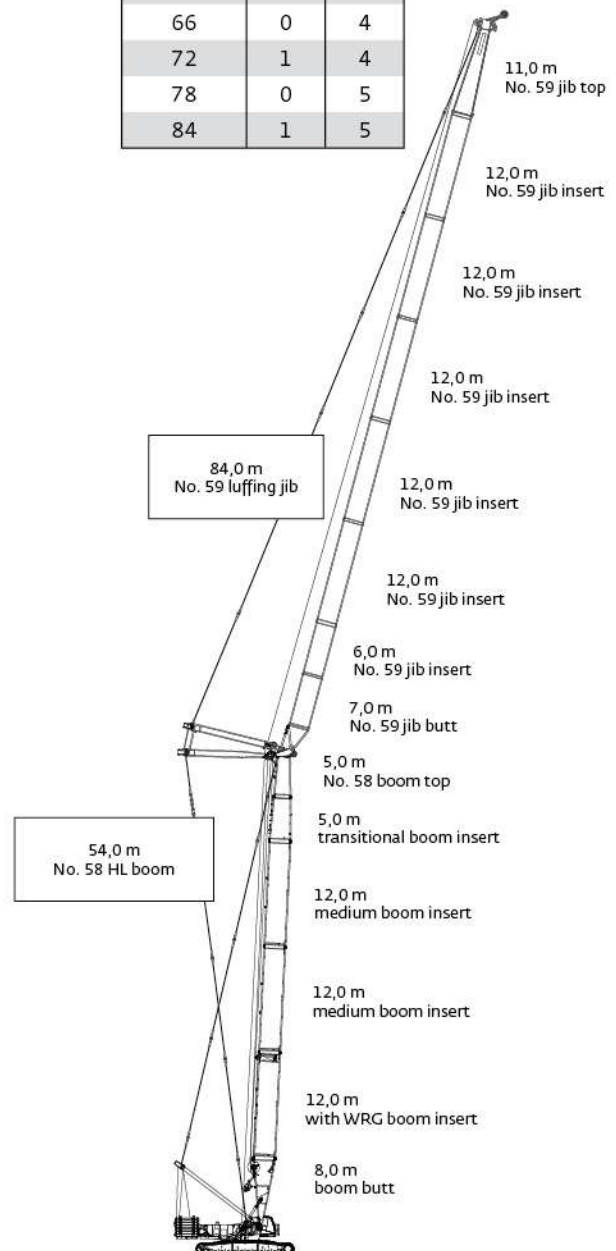
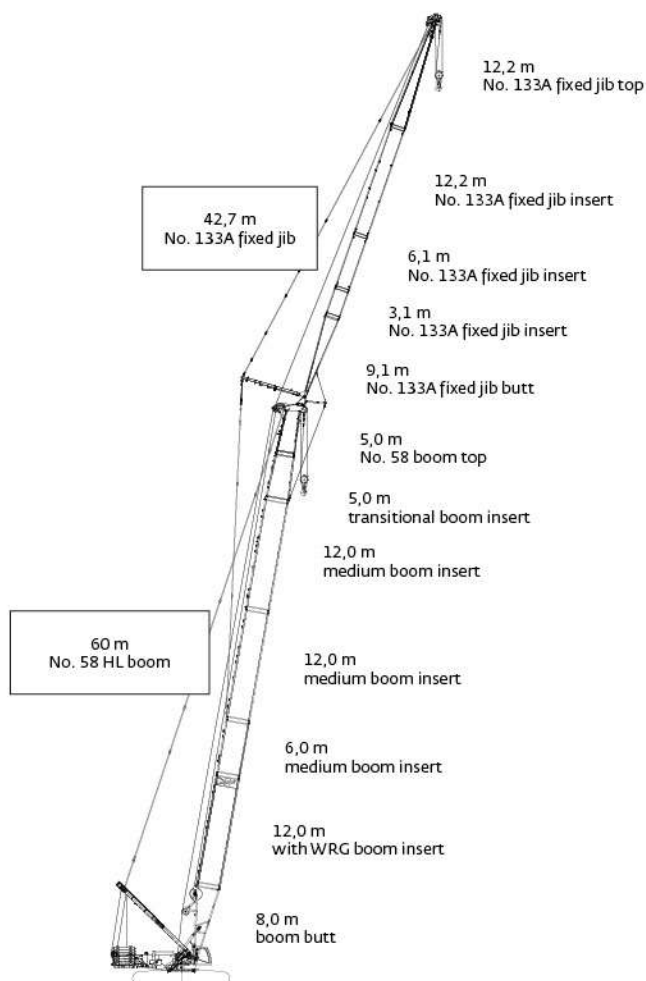
\*\*\*with BRS cylinder insert.



# Boom combinations

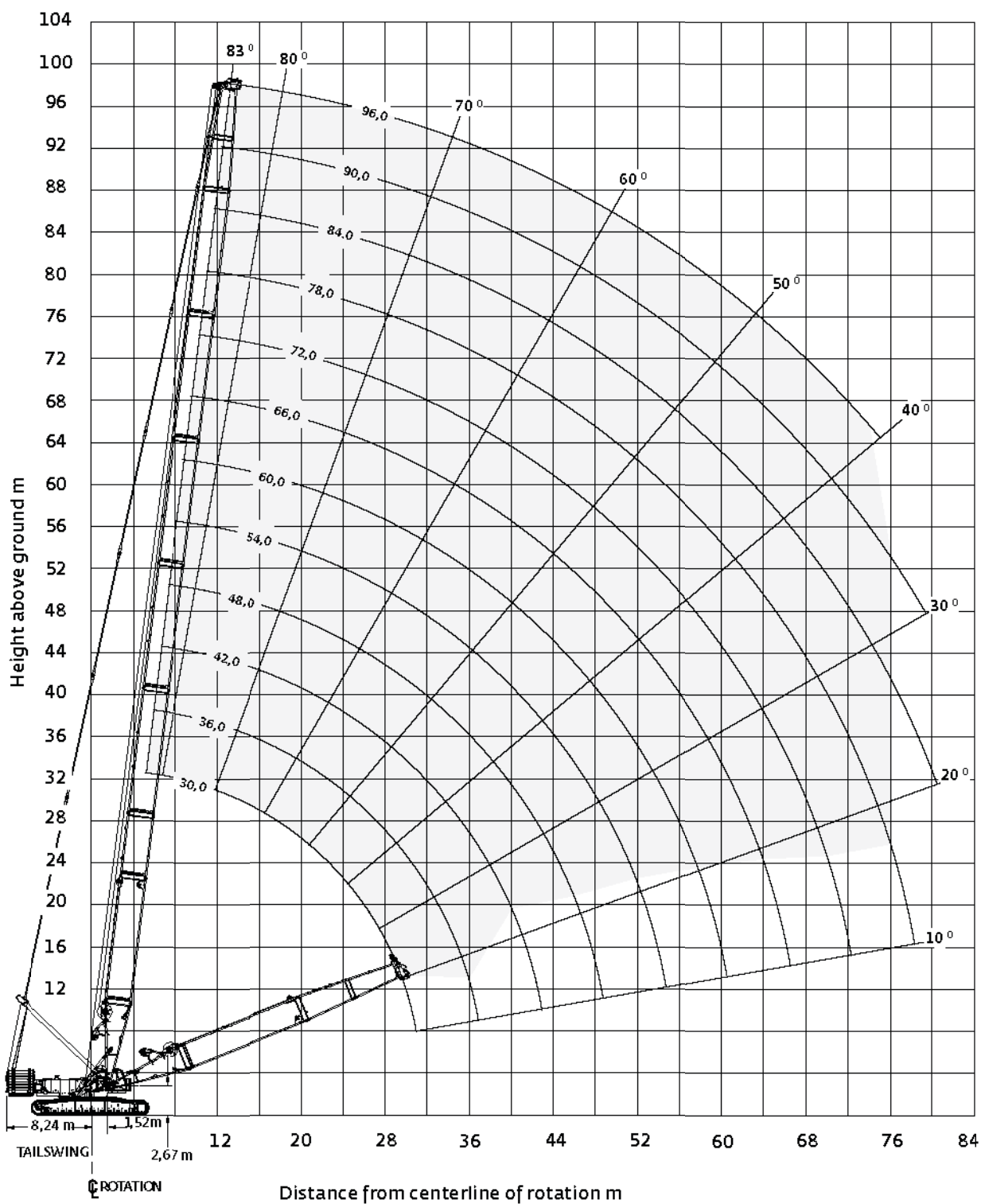
| No. 133A fixed jib combinations |                            |     |      |
|---------------------------------|----------------------------|-----|------|
| Fixed jib length m              | Fixed jib inserts length m |     |      |
|                                 | 3,1                        | 6,0 | 12,2 |
| 21,3                            | 0                          | 0   | 0    |
| 24,4                            | 1                          | 0   | 0    |
| 27,4                            | 0                          | 1   | 0    |
| 30,5                            | 1                          | 1   | 0    |
| 33,5                            | 0                          | 0   | 1    |
| 36,6                            | 1                          | 0   | 1    |
| 39,6                            | 0                          | 1   | 1    |
| 42,7                            | 1                          | 1   | 1    |

| No. 59 luffing jib combinations |                              |      |
|---------------------------------|------------------------------|------|
| Luffing jib length m            | Luffing jib inserts length m |      |
|                                 | 6,0                          | 12,0 |
| 24                              | 1                            | 0    |
| 30                              | 0                            | 1    |
| 36                              | 1                            | 1    |
| 42                              | 0                            | 2    |
| 48                              | 1                            | 2    |
| 54                              | 0                            | 3    |
| 60                              | 1                            | 3    |
| 66                              | 0                            | 4    |
| 72                              | 1                            | 4    |
| 78                              | 0                            | 5    |
| 84                              | 1                            | 5    |



# Boom range diagram

No. 58 HL boom



# Boom load charts

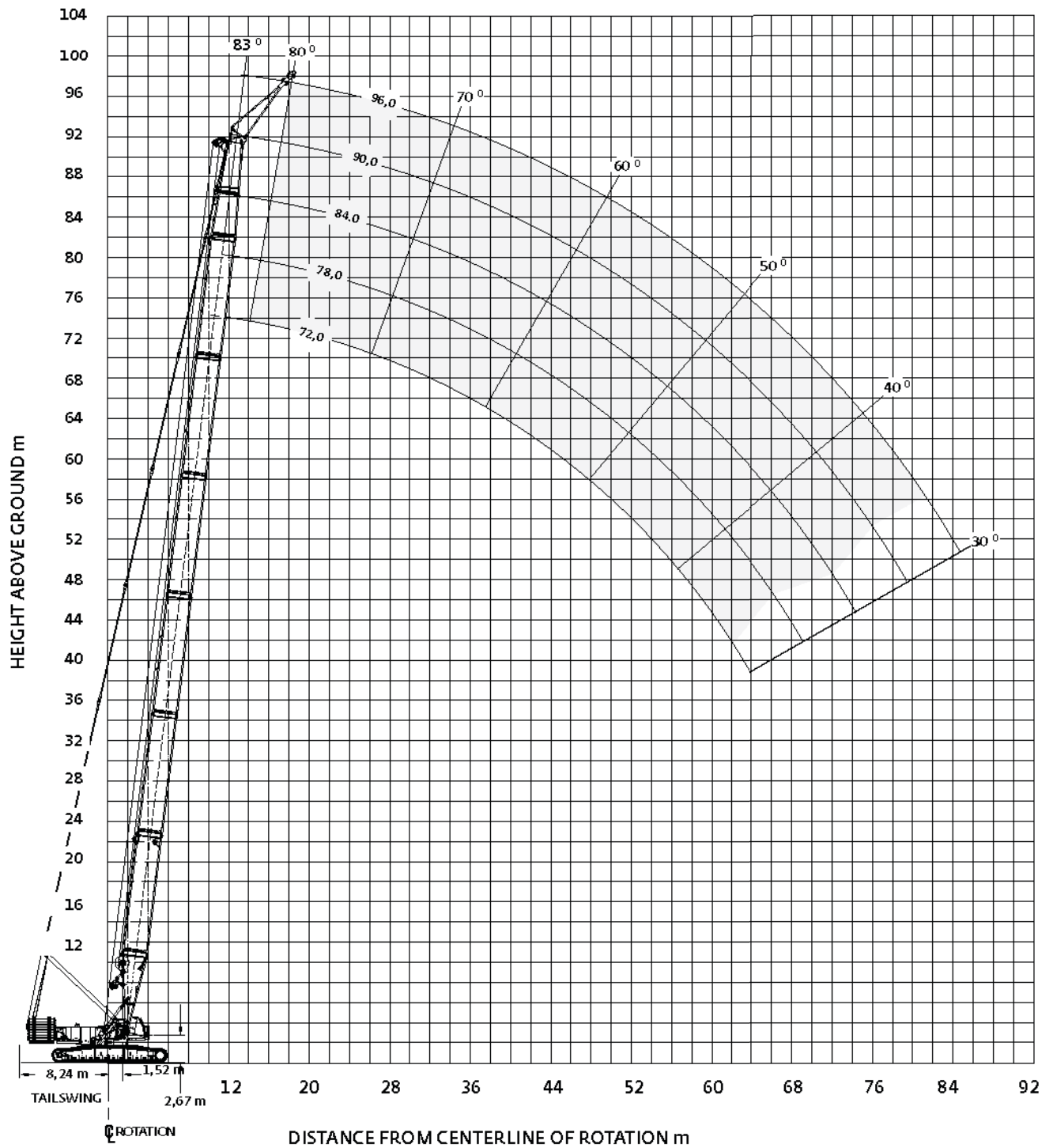
360° Rating, kg x 1 000

| No. 58 HL boom |                                                          |       |       |       |       |       |       |       |       |       |      |      |
|----------------|----------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| Radius<br>m    | 150 590 kg Counterweight 54 430 kg Carbody counterweight |       |       |       |       |       |       |       |       |       |      |      |
|                | Boom length m                                            |       |       |       |       |       |       |       |       |       |      |      |
|                | 30,0                                                     | 36,0  | 42,0  | 48,0  | 54,0  | 60,0  | 66,0  | 72,0  | 78,0  | 84,0  | 90,0 | 96,0 |
| 6,4            | 400,0                                                    |       |       |       |       |       |       |       |       |       |      |      |
| 8,0            | 323,8                                                    | 323,3 | 283,4 |       |       |       |       |       |       |       |      |      |
| 10,0           | 256,4                                                    | 256,1 | 256,6 | 257,2 | 216,1 |       |       |       |       |       |      |      |
| 12,0           | 194,8                                                    | 195,1 | 195,5 | 195,4 | 193,2 | 181,9 | 159,6 | 147,0 |       |       |      |      |
| 14,0           | 153,7                                                    | 153,9 | 154,2 | 154,1 | 154,0 | 154,5 | 145,6 | 134,0 | 129,7 | 113,7 | 95,5 |      |
| 18,0           | 106,3                                                    | 106,4 | 106,6 | 106,3 | 106,2 | 105,8 | 105,5 | 105,7 | 105,4 | 103,4 | 89,4 | 77,2 |
| 22,0           | 79,6                                                     | 79,7  | 79,9  | 79,5  | 79,4  | 78,9  | 78,5  | 78,0  | 77,6  | 77,0  | 76,8 | 72,5 |
| 26,0           | 62,4                                                     | 62,5  | 62,7  | 62,4  | 62,1  | 61,6  | 61,3  | 60,7  | 60,2  | 59,6  | 59,0 | 58,4 |
| 30,0           | 50,3                                                     | 50,5  | 50,7  | 50,3  | 50,1  | 49,6  | 49,2  | 48,6  | 48,1  | 47,5  | 46,9 | 46,2 |
| 34,0           |                                                          | 41,6  | 41,9  | 41,5  | 41,3  | 40,8  | 40,3  | 39,8  | 39,2  | 38,5  | 38,0 | 37,3 |
| 38,0           |                                                          |       | 35,0  | 34,7  | 34,5  | 33,9  | 33,6  | 32,9  | 32,4  | 31,7  | 31,1 | 30,4 |
| 40,0           |                                                          |       | 32,1  | 31,9  | 31,7  | 31,1  | 30,7  | 30,1  | 29,5  | 28,8  | 28,3 | 27,6 |
| 44,0           |                                                          |       |       | 27,0  | 26,8  | 26,2  | 25,9  | 25,2  | 24,7  | 24,0  | 23,4 | 22,7 |
| 48,0           |                                                          |       |       |       | 22,8  | 22,3  | 21,9  | 21,2  | 20,7  | 20,0  | 19,4 | 18,7 |
| 52,0           |                                                          |       |       |       | 19,4  | 18,9  | 18,5  | 17,9  | 17,4  | 16,6  | 16,1 | 15,3 |
| 56,0           |                                                          |       |       |       |       | 16,1  | 15,7  | 15,1  | 14,5  | 13,8  | 13,3 | 12,5 |
| 60,0           |                                                          |       |       |       |       |       | 13,3  | 12,6  | 12,1  | 11,4  | 10,8 | 10,1 |
| 64,0           |                                                          |       |       |       |       |       | 11,1  | 10,5  | 10,0  | 9,3   | 8,7  | 7,9  |
| 68,0           |                                                          |       |       |       |       |       |       | 8,6   | 8,1   | 7,4   | 6,8  | 6,1  |
| 70,0           |                                                          |       |       |       |       |       |       | 7,7   | 7,2   | 6,5   | 6,0  | 5,3  |
| 76,0           |                                                          |       |       |       |       |       |       |       | 4,9   | 4,2   | 3,7  |      |

For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).

# Extended upper boom point range diagram

No. 58 HL boom with 7 m extended upper boom point



# Extended upper boom point load charts

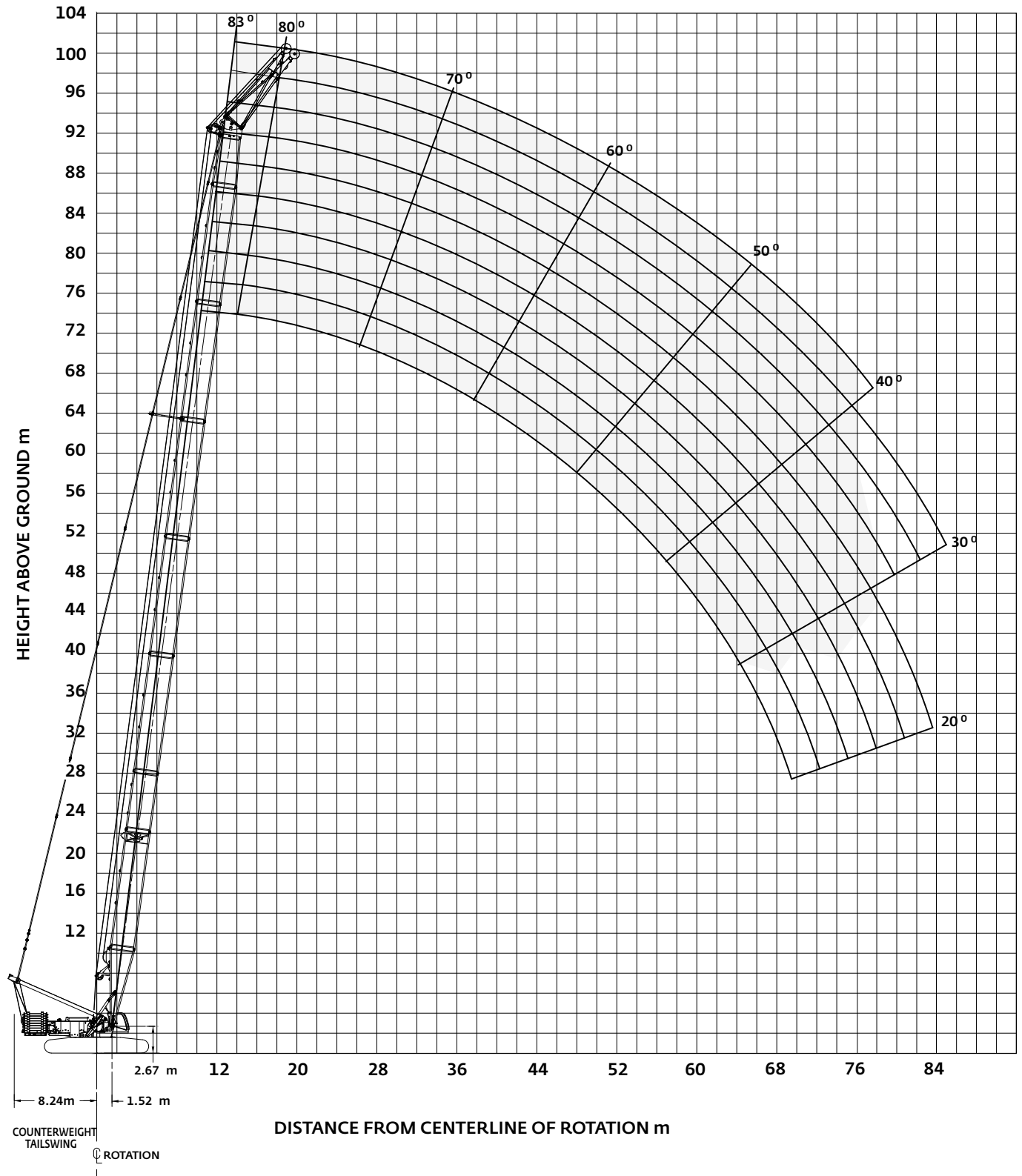
360° Rating, kg x 1 000

| No. 58 HL boom with 7 m extended upper boom point |                                                             |      |      |      |      |
|---------------------------------------------------|-------------------------------------------------------------|------|------|------|------|
| Radius<br>m                                       | 150 590 kg Counterweight<br>54 430 kg Carbody counterweight |      |      |      |      |
|                                                   | Boom length m                                               |      |      |      |      |
|                                                   | 66,0                                                        | 72,0 | 78,0 | 84,0 | 90,0 |
| 15,2                                              | 97,6                                                        |      |      |      |      |
| 16,8                                              | 97,6                                                        | 97,6 | 91,3 | 87,8 |      |
| 18,0                                              | 97,6                                                        | 97,6 | 89,6 | 86,5 |      |
| 20,0                                              | 95,5                                                        | 95,1 | 87,1 | 84,4 | 74,6 |
| 22,0                                              | 82,7                                                        | 82,3 | 82,7 | 81,1 | 72,5 |
| 24,0                                              | 72,9                                                        | 72,4 | 72,0 | 71,8 | 70,1 |
| 26,0                                              | 64,8                                                        | 64,4 | 63,9 | 63,4 | 63,0 |
| 28,0                                              | 58,1                                                        | 57,6 | 57,1 | 56,6 | 56,1 |
| 30,0                                              | 52,4                                                        | 51,9 | 51,4 | 50,8 | 50,3 |
| 32,0                                              | 45,5                                                        | 47,0 | 46,5 | 45,9 | 45,4 |
| 34,0                                              | 43,3                                                        | 42,7 | 42,2 | 41,6 | 41,1 |
| 38,0                                              | 36,2                                                        | 35,6 | 35,1 | 34,5 | 33,9 |
| 40,0                                              | 33,3                                                        | 32,7 | 32,2 | 31,5 | 31,0 |
| 44,0                                              | 28,3                                                        | 27,7 | 27,1 | 26,5 | 25,9 |
| 48,0                                              | 24,2                                                        | 23,5 | 23,0 | 22,3 | 21,8 |
| 52,0                                              | 20,7                                                        | 20,1 | 19,5 | 18,9 | 18,3 |
| 56,0                                              | 17,8                                                        | 17,1 | 16,6 | 15,9 | 15,4 |
| 60,0                                              | 15,2                                                        | 14,6 | 14,0 | 13,4 | 12,8 |
| 64,0                                              |                                                             | 12,4 | 11,8 | 11,2 | 10,6 |
| 68,0                                              |                                                             |      | 9,9  | 9,2  | 8,7  |
| 72,0                                              |                                                             |      | 8,1  | 7,5  | 7,0  |
| 76,0                                              |                                                             |      |      | 5,9  | 5,4  |
| 82,0                                              |                                                             |      |      |      | 3,4  |

*For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).*

# Wind Attachment range diagram

No. 58 WA with 7,6 m extended upper boom point





# Wind Attachment load charts

360° Rating, kg x 1 000

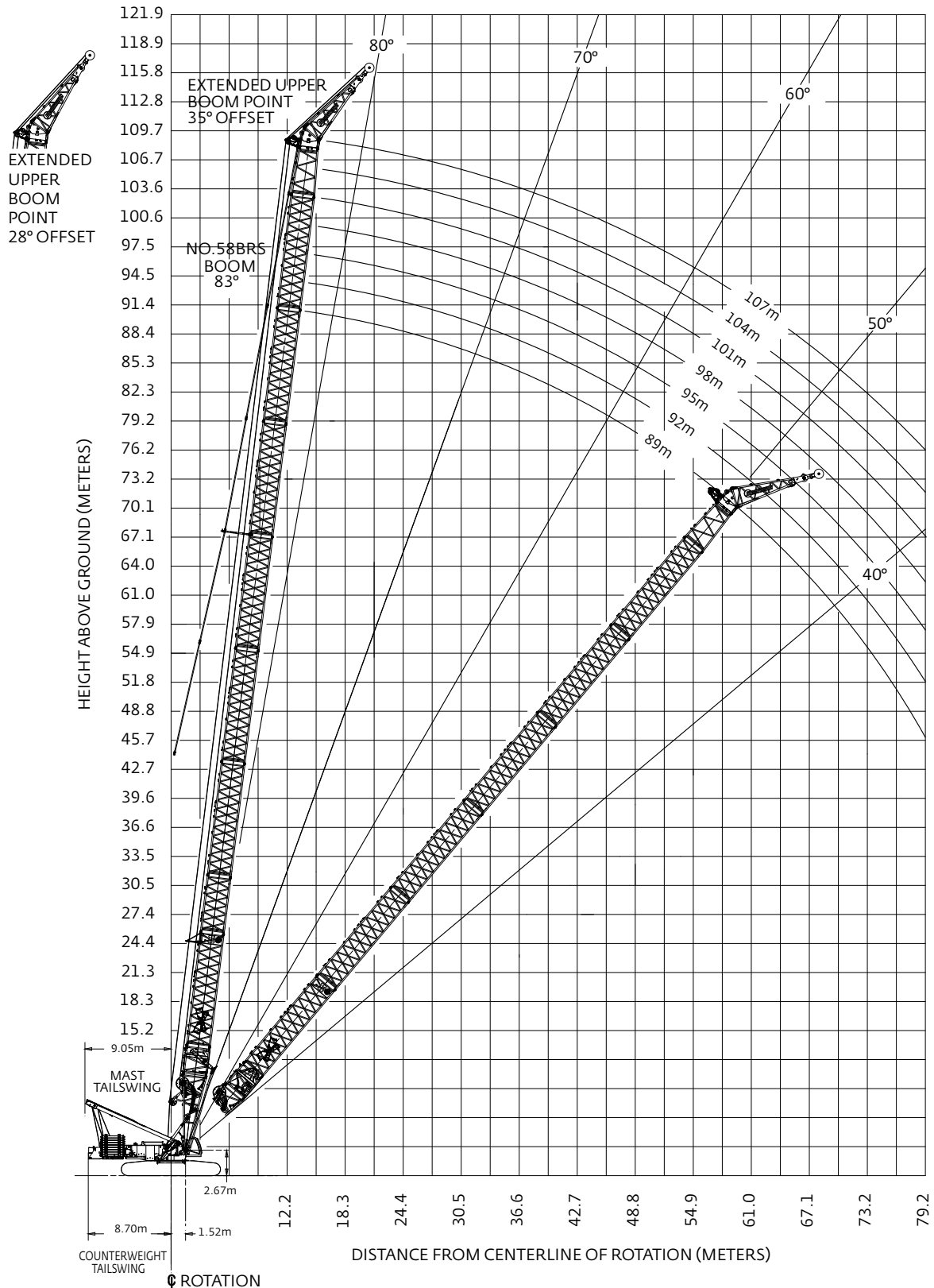
| No. 58 WA with 7,6 m extended upper boom point |                                                             |       |       |       |      |       |               |       |       |       |      |      |      |
|------------------------------------------------|-------------------------------------------------------------|-------|-------|-------|------|-------|---------------|-------|-------|-------|------|------|------|
| Radius<br>m                                    | 166 920 kg Counterweight<br>54 430 kg Carbody counterweight |       |       |       |      |       |               |       |       |       |      |      |      |
|                                                | 28° offset                                                  |       |       |       |      |       | 35° offset    |       |       |       |      |      |      |
|                                                | Boom length m                                               |       |       |       |      |       | Boom length m |       |       |       |      |      |      |
|                                                | 65,0                                                        | 71,0  | 77,0  | 83,0  | 89,0 | 92,0  | Radius<br>m   | 65,0  | 71,0  | 77,0  | 83,0 | 89,0 | 92,0 |
| 15,2                                           | 130.0                                                       | 130.0 |       |       |      |       | 15,2          | 130.0 |       |       |      |      |      |
| 18,0                                           | 118.5                                                       | 118.1 | 117.8 | 117.5 | 86.5 | 108.5 | 18,0          | 119.9 | 118.7 | 118.4 | 87.8 | 87.3 | 87.1 |
| 22,0                                           | 88.7                                                        | 88.0  | 87.5  | 87.0  | 75.8 | 86.3  | 22,0          | 89.3  | 88.7  | 88.3  | 77.0 | 76.5 | 76.3 |
| 24,0                                           | 78.2                                                        | 77.5  | 76.9  | 76.3  | 59.7 | 75.6  | 24,0          | 78.7  | 78.1  | 77.6  | 60.9 | 60.3 | 60.0 |
| 28,0                                           | 62.3                                                        | 61.5  | 61.0  | 60.3  | 53.5 | 59.5  | 28,0          | 62.8  | 62.0  | 61.5  | 54.6 | 54.0 | 53.7 |
| 30,0                                           | 56.2                                                        | 55.4  | 54.8  | 54.1  | 43.5 | 53.3  | 30,0          | 56.6  | 55.9  | 55.3  | 44.6 | 44.0 | 43.7 |
| 34,0                                           | 46.4                                                        | 45.5  | 44.9  | 44.2  | 39.4 | 43.3  | 34,0          | 46.7  | 45.9  | 45.3  | 40.5 | 39.9 | 39.6 |
| 36,0                                           | 42.3                                                        | 41.5  | 40.9  | 40.1  | 32.7 | 39.2  | 36,0          | 42.6  | 41.9  | 41.3  | 33.7 | 33.1 | 32.7 |
| 40,0                                           | 35.7                                                        | 34.8  | 34.1  | 33.4  | 29.8 | 32.4  | 40,0          | 35.9  | 35.1  | 34.4  | 30.8 | 30.1 | 29.8 |
| 42,0                                           | 32.8                                                        | 31.9  | 31.3  | 30.5  | 24.9 | 29.6  | 42,0          | 33.1  | 32.2  | 31.6  | 25.9 | 25.2 | 24.9 |
| 46,0                                           | 28.0                                                        | 27.1  | 26.4  | 25.6  | 22.8 | 24.7  | 46,0          | 28.2  | 27.3  | 26.7  | 23.8 | 23.1 | 22.7 |
| 48,0                                           | 25.9                                                        | 24.9  | 24.3  | 23.5  | 19.1 | 22.5  | 48,0          | 26.1  | 25.2  | 24.5  | 20.0 | 19.3 | 18.9 |
| 52,0                                           | 22.2                                                        | 21.2  | 20.6  | 19.8  | 14.5 | 18.8  | 52,0          | 22.3  | 21.4  | 20.8  | 15.4 | 14.7 | 14.3 |
| 58,0                                           | 17.6                                                        | 16.7  | 16.0  | 15.2  | 10.8 | 14.2  | 58,0          | 17.7  | 16.8  | 16.2  | 11.7 | 10.9 | 10.6 |
| 64,0                                           | 13.9                                                        | 13.0  | 12.3  | 11.5  | 7.8  | 10.5  | 64,0          |       | 13.1  | 12.4  | 8.6  | 7.9  | 7.5  |
| 70,0                                           |                                                             |       | 9.3   | 8.5   | 5.0  | 7.5   | 70,0          |       |       | 9.4   | 6.0  | 5.1  | 4.6  |
| 76,0                                           |                                                             |       | 6.7   | 5.9   |      | 4.6   | 76,0          |       |       |       |      |      |      |

For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).

# Wind Attachment range diagram

## with Boom Raising System

No. 58 WA with BRS with 7,6 m extended upper boom point



# Wind Attachment load charts

## with Boom Raising System

360° Rating, kg x 1 000

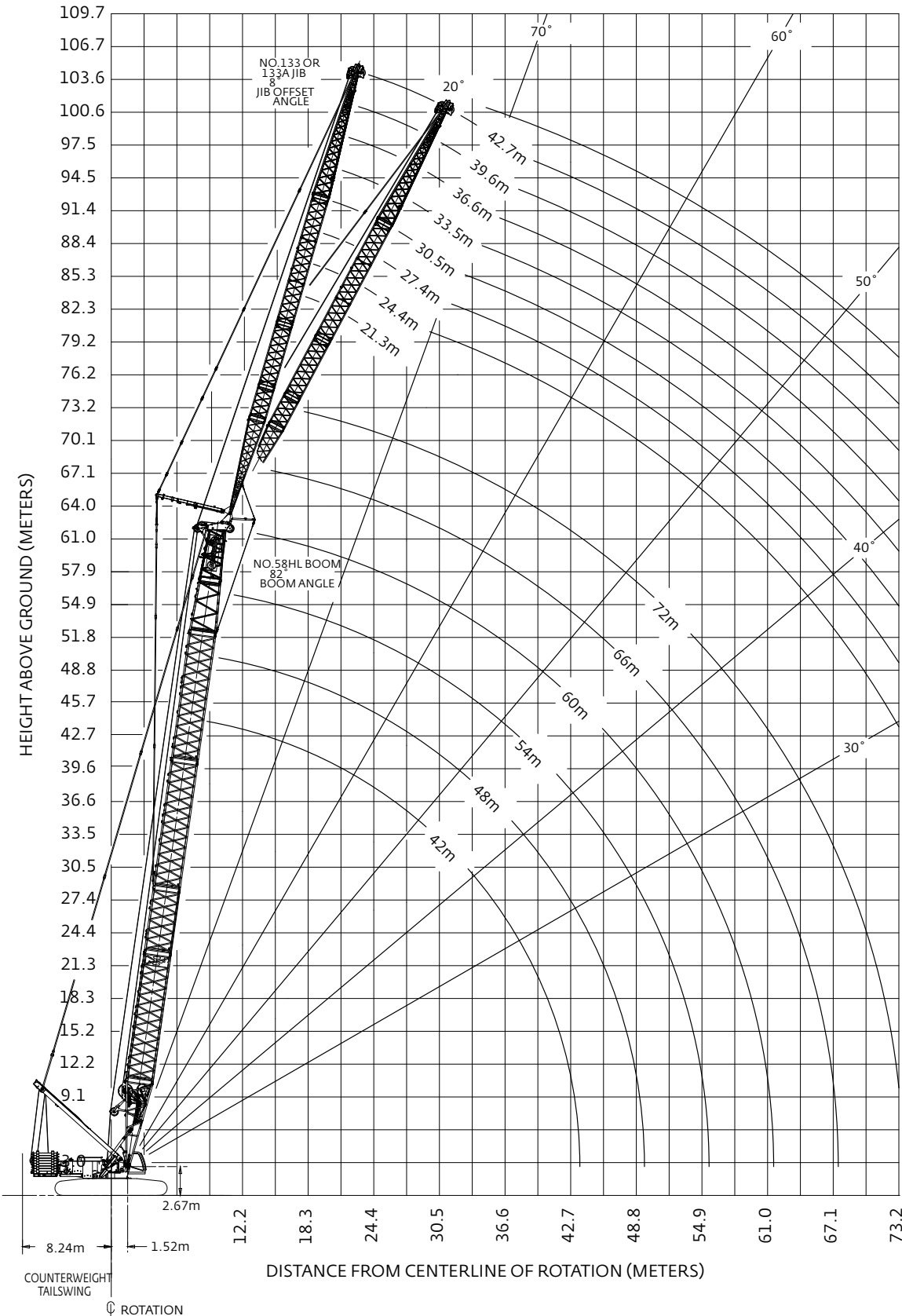
### No. 58 WA with BRS with 7,6 m extended upper boom point

| 166 920 kg Counterweight<br>54 430 kg Carbody counterweight<br>18 730 kg Auxiliary counterweight |               |       |       |       |       |       |       |               |       |       |       |      |       |       |       |
|--------------------------------------------------------------------------------------------------|---------------|-------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|------|-------|-------|-------|
| Radius<br>m                                                                                      | 28° offset    |       |       |       |       |       |       | 35° offset    |       |       |       |      |       |       |       |
|                                                                                                  | Boom length m |       |       |       |       |       |       | Boom length m |       |       |       |      |       |       |       |
|                                                                                                  | 89,0          | 92,0  | 95,0  | 98,0  | 101,0 | 104,0 | 107,0 | Radius<br>m   | 89,0  | 92,0  | 95,0  | 98,0 | 101,0 | 104,0 | 107,0 |
| 18,3                                                                                             | 116,0         | 108,8 | 107,0 | 105,7 |       |       |       | 18,3          | 111,9 | 105,7 | 101,6 |      |       |       |       |
| 20,0                                                                                             | 106,1         | 105,4 | 104,6 | 103,6 | 99,3  | 90,9  | 87,8  | 20,0          | 107,1 | 105,0 | 98,3  | 95,8 | 92,8  | 85,8  |       |
| 22,0                                                                                             | 93,9          | 92,3  | 91,6  | 90,6  | 92,7  | 88,5  | 86,6  | 22,0          | 94,0  | 93,2  | 93,4  | 92,7 | 90,4  | 84,1  | 82,0  |
| 24,0                                                                                             | 82,8          | 81,8  | 81,2  | 80,3  | 81,6  | 81,8  | 81,1  | 24,0          | 83,4  | 82,5  | 82,0  | 81,0 | 82,9  | 81,2  | 80,1  |
| 28,0                                                                                             | 66,4          | 65,5  | 64,8  | 64,0  | 65,0  | 64,9  | 64,3  | 28,0          | 66,9  | 66,1  | 65,5  | 64,7 | 65,8  | 65,6  | 65,0  |
| 30,0                                                                                             | 59,7          | 58,9  | 58,3  | 57,5  | 58,3  | 58,1  | 57,6  | 30,0          | 60,3  | 59,5  | 59,0  | 58,2 | 59,0  | 58,9  | 58,3  |
| 34,0                                                                                             | 48,7          | 48,0  | 47,4  | 46,6  | 47,3  | 47,2  | 46,6  | 34,0          | 49,3  | 48,6  | 48,0  | 47,2 | 47,9  | 47,8  | 47,2  |
| 36,0                                                                                             | 44,2          | 43,5  | 42,9  | 42,1  | 42,8  | 42,6  | 42,1  | 36,0          | 44,8  | 44,0  | 43,4  | 42,7 | 43,3  | 43,2  | 42,7  |
| 40,0                                                                                             | 36,6          | 35,9  | 35,2  | 34,5  | 35,1  | 35,0  | 34,4  | 40,0          | 37,1  | 36,3  | 35,7  | 35,0 | 35,6  | 35,5  | 34,9  |
| 42,0                                                                                             | 33,3          | 32,6  | 32,0  | 31,2  | 31,9  | 31,7  | 31,2  | 42,0          | 33,8  | 33,0  | 32,4  | 31,7 | 32,3  | 32,2  | 31,7  |
| 46,0                                                                                             | 27,7          | 26,9  | 26,3  | 25,6  | 26,2  | 26,1  | 25,5  | 46,0          | 28,1  | 27,3  | 26,8  | 26,0 | 26,6  | 26,5  | 25,9  |
| 48,0                                                                                             | 25,2          | 24,5  | 23,9  | 23,1  | 23,7  | 23,6  | 23,0  | 48,0          | 25,6  | 24,8  | 24,3  | 23,5 | 24,1  | 24,0  | 23,4  |
| 52,0                                                                                             | 20,9          | 20,1  | 19,5  | 18,8  | 19,4  | 19,3  | 18,7  | 52,0          | 21,2  | 20,4  | 19,9  | 19,1 | 19,7  | 19,6  | 19,0  |
| 58,0                                                                                             | 15,4          | 14,7  | 14,1  | 13,4  | 14,0  | 13,9  | 13,3  | 58,0          | 15,7  | 15,0  | 14,4  | 13,7 | 14,3  | 14,2  | 13,6  |
| 64,0                                                                                             | 11,0          | 10,3  | 9,8   | 9,0   | 9,6   | 9,5   | 8,9   | 64,0          | 11,2  | 10,5  | 10,0  | 9,3  | 9,8   | 9,7   | 9,2   |
| 70,0                                                                                             | 7,4           | 6,6   | 6,1   | 5,4   | 5,9   | 5,8   | 5,3   | 70,0          | 7,5   | 6,8   | 6,3   | 5,5  | 6,1   | 6,0   | 5,5   |
| 74,0                                                                                             | 5,2           | 5,6   |       |       |       |       |       | 74,0          | 5,3   |       |       |      |       |       |       |

For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).

# Fixed jib range diagram

No. 58 HL boom with No. 133A fixed jib



# Fixed jib load charts

360° Rating, kg x 1 000

**No. 58 HL boom with No. 133A fixed jib**

**150 590 kg Counterweight  
54 430 kg Carbody counterweight**

| 8° Offset<br>Boom length m |      |      |      |      |      |      | 20° Offset<br>Boom length m |      |      |      |      |      |  |
|----------------------------|------|------|------|------|------|------|-----------------------------|------|------|------|------|------|--|
| Radius<br>m                | 42,0 | 48,0 | 54,0 | 60,0 | 66,0 |      | Radius<br>m                 | 42,0 | 48,0 | 54,0 | 60,0 | 66,0 |  |
| 21,3 m fixed jib length    | 15,2 | 93,3 |      |      |      |      | 15,2                        |      |      |      |      |      |  |
|                            | 22   | 81,4 | 82,1 | 82,6 | 82,6 | 77,9 | 22                          | 60,9 | 63,0 | 64,6 | 66,2 |      |  |
|                            | 28   | 58,9 | 58,3 | 57,6 | 57,0 | 56,4 | 28                          | 51,7 | 54,1 | 55,7 | 57,5 | 58,6 |  |
|                            | 34   | 44,0 | 43,4 | 42,7 | 41,9 | 41,3 | 34                          | 44,8 | 45,0 | 44,4 | 43,9 | 43,4 |  |
|                            | 40   | 34,1 | 33,3 | 32,7 | 31,9 | 31,3 | 40                          | 35,2 | 34,6 | 34,1 | 33,4 | 32,9 |  |
|                            | 46   | 26,9 | 26,1 | 25,5 | 24,0 |      | 46                          | 27,7 | 27,1 | 26,5 | 25,9 | 25,4 |  |
|                            | 52   | 21,4 | 20,7 | 20,0 | 19,2 | 18,6 | 52                          | 22,1 | 21,4 | 20,9 | 20,2 | 19,7 |  |
|                            | 58   | 17,1 | 16,4 | 15,8 | 15,0 | 14,3 | 58                          |      | 16,9 | 16,4 | 15,8 | 15,2 |  |
|                            | 64   |      | 12,9 | 12,3 | 11,5 | 10,9 | 64                          |      |      | 12,8 | 12,1 | 11,6 |  |
|                            | 72   |      |      |      | 7,8  | 7,2  | 72                          |      |      |      |      | 7,7  |  |
|                            | 80   |      |      |      |      | 4,2  | 80                          |      |      |      |      |      |  |
| 8° Offset<br>Boom length m |      |      |      |      |      |      | 20° Offset<br>Boom length m |      |      |      |      |      |  |
| Radius<br>m                | 42,0 | 48,0 | 54,0 | 60,0 | 66,0 |      | Radius<br>m                 | 42,0 | 48,0 | 54,0 | 60,0 | 66,0 |  |
| 27,4 m fixed jib length    | 18,3 | 70,0 |      |      |      |      | 18,3                        |      |      |      |      |      |  |
|                            | 24   | 63,0 | 63,9 | 64,8 | 65,1 | 64,3 | 24                          | 47,6 |      |      |      |      |  |
|                            | 30   | 54,6 | 53,9 | 53,1 | 52,5 | 51,9 | 30                          | 40,8 | 42,5 | 47,6 | 44,7 | 45,7 |  |
|                            | 36   | 41,3 | 40,7 | 40,0 | 39,2 | 38,7 | 36                          | 35,7 | 37,4 | 38,5 | 39,7 | 40,6 |  |
|                            | 42   | 32,3 | 31,6 | 30,9 | 30,2 | 29,5 | 42                          | 31,6 | 33,1 | 32,6 | 31,9 | 31,5 |  |
|                            | 48   | 25,8 | 25,0 | 24,3 | 23,6 | 22,9 | 48                          | 26,8 | 26,2 | 25,6 | 25,0 | 24,5 |  |
|                            | 54   | 20,7 | 20,0 | 19,3 | 18,5 | 17,8 | 54                          | 21,5 | 20,9 | 20,3 | 19,7 | 19,1 |  |
|                            | 60   | 16,7 | 15,9 | 15,3 | 14,5 | 13,8 | 60                          |      | 16,6 | 16,1 | 15,4 | 14,9 |  |
|                            | 66   |      | 12,6 | 12,0 | 11,2 | 10,6 | 66                          |      |      | 12,6 | 12,0 | 11,4 |  |
|                            | 76   |      |      |      | 6,9  | 6,2  | 76                          |      |      |      |      | 6,9  |  |
|                            | 84   |      |      |      |      | 3,5  | 84                          |      |      |      |      |      |  |

For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).

# Fixed jib load charts

360° Rating, kg x 1 000

**No. 58 HL boom with No. 133A fixed jib**

**150 590 kg Counterweight  
54 430 kg Carbody counterweight**

|                         |          | 8° Offset<br>Boom length m |      |      |      |      |
|-------------------------|----------|----------------------------|------|------|------|------|
| 36,6 m fixed jib length | Radius m | 42,0                       | 48,0 | 54,0 | 60,0 | 66,0 |
|                         | 20,0     | 53,4                       |      |      |      |      |
|                         | 28       | 45,9                       | 46,6 | 47,4 | 47,7 | 47,7 |
|                         | 34       | 41,3                       | 42,3 | 43,3 | 43,7 | 43,7 |
|                         | 40       | 35,8                       | 35,1 | 34,4 | 33,7 | 33,1 |
|                         | 46       | 28,5                       | 27,8 | 27,1 | 26,3 | 25,7 |
|                         | 52       | 23,0                       | 22,3 | 21,5 | 20,8 | 20,1 |
|                         | 58       | 18,7                       | 17,9 | 17,2 | 16,4 | 15,8 |
|                         | 64       | 15,2                       | 14,4 | 13,7 | 12,9 | 12,2 |
|                         | 70       | 12,3                       | 11,6 | 10,8 | 10,1 | 9,3  |
|                         | 80       |                            |      | 7,0  | 6,2  | 5,5  |
|                         | 88       |                            |      |      | 3,7  |      |

|                         |          | 20° Offset<br>Boom length m |      |      |      |      |
|-------------------------|----------|-----------------------------|------|------|------|------|
| 36,6 m fixed jib length | Radius m | 42,0                        | 48,0 | 54,0 | 60,0 | 66,0 |
|                         | 20,0     |                             |      |      |      |      |
|                         | 28       | 38,2                        |      |      |      |      |
|                         | 34       | 33,3                        | 34,1 | 35,0 | 35,6 | 36,3 |
|                         | 40       | 29,4                        | 30,3 | 31,2 | 32,1 | 32,8 |
|                         | 46       | 26,3                        | 27,3 | 28,2 | 28,4 | 27,8 |
|                         | 52       | 23,7                        | 23,7 | 23,1 | 22,5 | 21,9 |
|                         | 58       | 19,7                        | 19,1 | 18,5 | 17,9 | 17,3 |
|                         | 64       | 16,0                        | 15,4 | 14,8 | 14,1 | 13,6 |
|                         | 70       |                             | 12,3 | 11,7 | 11,0 | 10,5 |
|                         | 80       |                             |      |      | 6,9  | 6,3  |
|                         | 88       |                             |      |      |      |      |

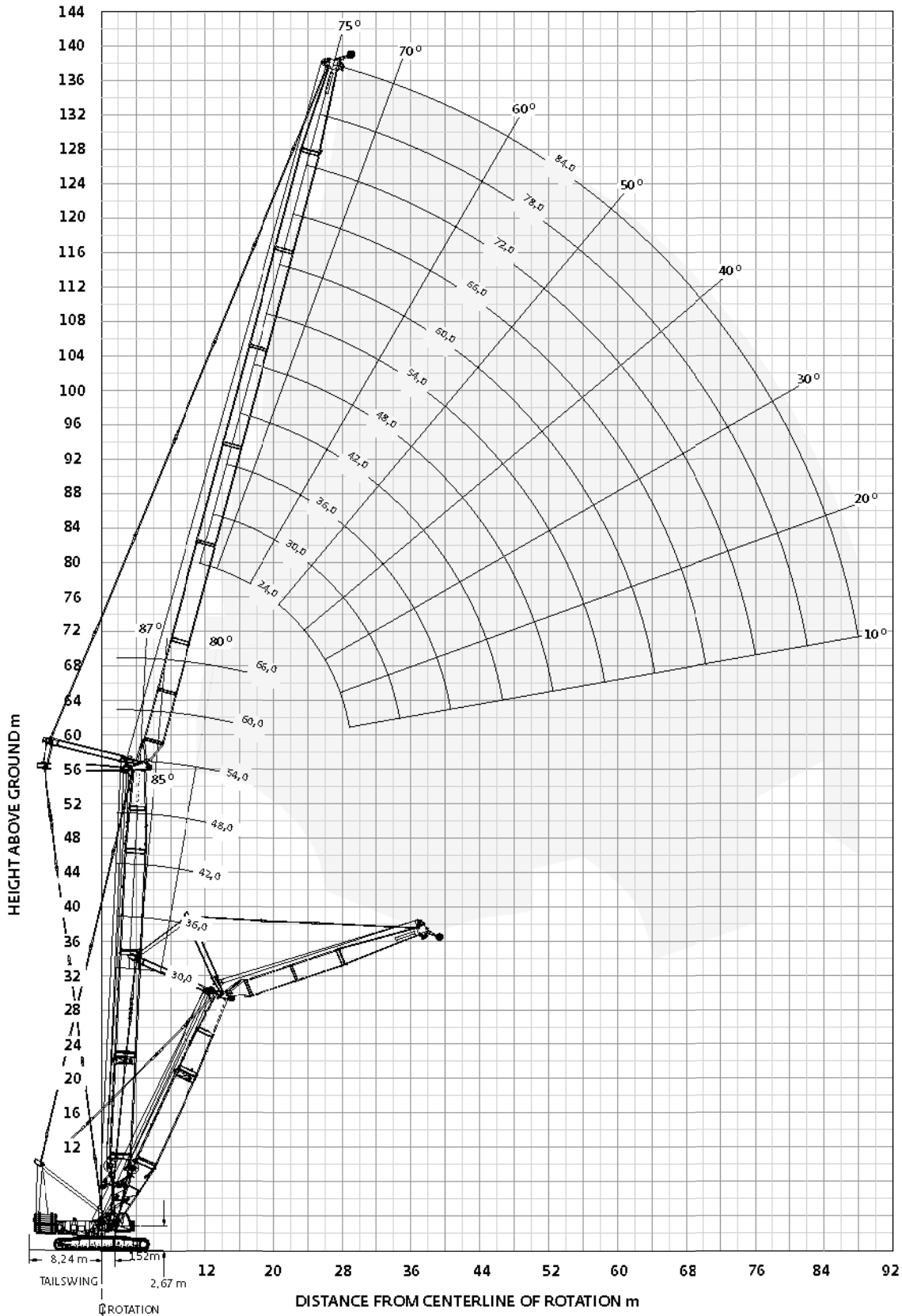
|                         |          | 8° Offset<br>Boom length m |      |      |      |
|-------------------------|----------|----------------------------|------|------|------|
| 42,7 m fixed jib length | Radius m | 42,0                       | 48,0 | 54,0 | 60,0 |
|                         | 22,9     | 43,5                       |      |      |      |
|                         | 30       | 38,0                       | 38,6 | 39,2 | 39,5 |
|                         | 36       | 34,1                       | 34,9 | 35,7 | 36,3 |
|                         | 42       | 30,7                       | 31,7 | 32,3 | 31,6 |
|                         | 48       | 26,8                       | 26,3 | 25,6 | 24,8 |
|                         | 54       | 21,9                       | 21,2 | 20,4 | 19,7 |
|                         | 60       | 17,8                       | 17,1 | 16,4 | 15,6 |
|                         | 66       | 14,6                       | 13,8 | 13,1 | 12,3 |
|                         | 76       | 10,3                       | 9,5  | 8,8  | 8,0  |
|                         | 84       |                            |      | 6,1  | 5,3  |
|                         | 92       |                            |      |      |      |

|                         |          | 20° Offset<br>Boom length m |      |      |      |
|-------------------------|----------|-----------------------------|------|------|------|
| 42,7 m fixed jib length | Radius m | 42,0                        | 48,0 | 54,0 | 60,0 |
|                         | 22,9     |                             |      |      |      |
|                         | 30       |                             |      |      |      |
|                         | 36       | 27,8                        | 28,4 | 29,0 | 29,5 |
|                         | 42       | 24,6                        | 25,3 | 25,9 | 26,6 |
|                         | 48       | 21,9                        | 22,7 | 23,4 | 24,1 |
|                         | 54       | 19,7                        | 20,6 | 21,3 | 21,6 |
|                         | 60       | 17,9                        | 18,5 | 17,8 | 17,2 |
|                         | 66       | 15,5                        | 14,9 | 14,3 | 13,7 |
|                         | 76       |                             | 10,2 | 9,7  | 9,0  |
|                         | 84       |                             |      |      | 6,1  |
|                         | 92       |                             |      |      |      |

*For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).*

# Luffing jib range diagram

No. 58 HL boom with No. 59 luffing jib



# Luffing jib load charts

360° Rating, kg x 1 000

**No. 58 HL boom with No. 59 luffing jib**

150 590 kg Counterweight 54 430 kg Carbody counterweight

## 87° Boom angle

| Boom length m             |      |       |       |       |
|---------------------------|------|-------|-------|-------|
| Radius m                  | 30,0 | 42,0  | 54,0  | 66,0  |
| 24,0 m Luffing jib length | 11,6 | 185,2 |       |       |
|                           | 14,0 | 157,7 | 151,0 | 117,4 |
|                           | 18,0 | 121,1 | 112,6 | 97,8  |
|                           | 22,0 | 92,7  | 92,7  | 82,2  |
|                           | 26,0 | 74,6  | 73,9  | 69,5  |
|                           | 32,0 |       |       |       |
|                           | 38,0 |       |       |       |
|                           | 44,0 |       |       |       |
|                           | 52,0 |       |       |       |
|                           | 56,0 |       |       |       |
|                           | 60,0 |       |       |       |

| Boom length m             |      |       |       |      |
|---------------------------|------|-------|-------|------|
| Radius m                  | 30,0 | 42,0  | 54,0  | 60,0 |
| 36,0 m Luffing jib length | 15,2 | 136,1 | 116,8 |      |
|                           | 16,0 | 131,2 | 113,3 |      |
|                           | 18,0 | 118,9 | 104,3 | 89,0 |
|                           | 22,0 | 92,3  | 89,1  | 77,1 |
|                           | 26,0 | 74,4  | 74,3  | 67,1 |
|                           | 32,0 | 57,0  | 56,9  | 55,2 |
|                           | 38,0 | 45,6  | 45,5  | 44,8 |
|                           | 44,0 |       |       |      |
|                           | 52,0 |       |       |      |
|                           | 56,0 |       |       |      |
|                           | 60,0 |       |       |      |

| Boom length m             |      |       |      |      |
|---------------------------|------|-------|------|------|
| Radius m                  | 30,0 | 42,0  | 54,0 | 60,0 |
| 48,0 m Luffing jib length | 18,3 | 107,4 | 92,1 |      |
|                           | 22,0 | 91,9  | 81,6 | 70,3 |
|                           | 24,0 | 81,6  | 75,6 | 66,2 |
|                           | 30,0 | 61,2  | 61,0 | 55,5 |
|                           | 34,0 | 52,0  | 51,8 | 49,5 |
|                           | 38,0 | 44,9  | 44,8 | 44,4 |
|                           | 42,0 | 39,3  | 39,2 | 39,1 |
|                           | 46,0 | 34,8  | 34,7 | 34,5 |
|                           | 52,0 |       |      | 27,0 |
|                           | 56,0 |       |      |      |
|                           | 60,0 |       |      |      |

| Boom length m | | | | |
| Radius m | 30,0 | 42,0 | 54,0 | 60,0 |
| 60,0 m Luffing jib length | 21,3 | 86,0 | 73,5 |  |
| 24,0 | 79,1 | 69,3 | 51,8 |
| 28,0 | 65,9 | 62,1 | 49,6 |
| 34,0 | 51,1 | 50,9 | 43,2 |
| 40,0 | 41,1 | 40,9 | 37,2 |
| 48,0 | 31,9 | 31,8 | 30,4 |
| 56,0 | 25,6 | 25,5 | 24,9 |
| 64,0 | 18,4 | 18,3 | 18,2 |
| 72,0 |  |  |  |
| 84,0 |  |  |  |
| 88,0 |  |  |  |
| Boom length m | | | |
| Radius m | 30,0 | 42,0 | 54,0 |
| 72,0 m Luffing jib length | 21,3 |  |  |  |
| 24,0 |  |  |  |
| 28,0 | 58,3 | 51,2 | 43,1 |
| 34,0 | 49,9 | 48,2 | 40,6 |
| 40,0 | 40,0 | 39,8 | 36,3 |
| 48,0 | 30,9 | 30,7 | 30,3 |
| 56,0 | 24,5 | 24,4 | 24,2 |
| 64,0 | 19,8 | 19,7 | 19,5 |
| 72,0 | 16,1 | 15,7 | 15,2 |
| 84,0 |  |  |  |
| 88,0 |  |  |  |
| Boom length m | | | |
| Radius m | 30,0 | 42,0 | 54,0 |
| 84,0 m Luffing jib length | 21,3 |  |  |  |
| 24,0 |  |  |  |
| 28,0 | 42,6 | 37,9 |  |
| 34,0 | 40,7 | 36,7 | 31,4 |
| 40,0 | 38,7 | 35,4 | 30,0 |
| 48,0 | 29,8 | 29,6 | 26,4 |
| 56,0 | 23,4 | 23,3 | 22,7 |
| 64,0 | 18,8 | 18,6 | 18,5 |
| 72,0 | 15,2 | 15,1 | 14,9 |
| 84,0 | 10,6 | 9,6 | 9,1 |
| 88,0 |  | 6,8 | 6,6 |

For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).



# Luffing jib load charts

360° Rating, kg x 1 000

## No. 58 HL boom with No. 59 luffing jib

150 590 kg Counterweight 54 430 kg Carbody counterweight

### 75° Boom angle

|                           |          | Boom length m (ft) |      |      |      |
|---------------------------|----------|--------------------|------|------|------|
| 24,0 m Luffing jib length | Radius m | 30,0               | 42,0 | 54,0 | 66,0 |
|                           | 24,0     | 75,6               |      |      |      |
|                           | 26,0     | 68,1               | 65,0 |      |      |
|                           | 28,0     | 61,9               | 59,1 |      |      |
|                           | 32,0     | 52,1               | 49,7 | 46,9 | 43,5 |
|                           | 36,0     |                    | 42,5 | 40,2 | 37,2 |
|                           | 38,0     |                    |      | 37,3 | 32,3 |
|                           | 42,0     |                    |      |      | 30,2 |
|                           | 46,0     |                    |      |      |      |
|                           | 52,0     |                    |      |      |      |
|                           | 54,0     |                    |      |      |      |
|                           | 56,0     |                    |      |      |      |

|                           |          | Boom length m |      |      |      |
|---------------------------|----------|---------------|------|------|------|
| 36,0 m Luffing jib length | Radius m | 30,0          | 42,0 | 54,0 | 60,0 |
|                           | 24,0     |               |      |      |      |
|                           | 26,0     |               |      |      |      |
|                           | 28,0     | 61,1          |      |      |      |
|                           | 32,0     | 51,4          | 48,7 |      |      |
|                           | 36,0     | 44,0          | 41,7 | 39,1 |      |
|                           | 38,0     | 41,0          | 38,9 | 36,3 | 34,9 |
|                           | 42,0     | 35,9          | 34,0 | 31,8 | 30,4 |
|                           | 46,0     |               | 30,0 | 28,0 | 26,8 |
|                           | 52,0     |               |      |      | 22,4 |
|                           | 54,0     |               |      |      |      |
|                           | 56,0     |               |      |      |      |

|                           |          | Boom length m |      |      |      |
|---------------------------|----------|---------------|------|------|------|
| 48,0 m Luffing jib length | Radius m | 30,0          | 42,0 | 54,0 | 60,0 |
|                           | 34,0     | 46,4          |      |      |      |
|                           | 36,0     | 43,0          |      |      |      |
|                           | 38,0     | 40,0          | 37,6 |      |      |
|                           | 40,0     | 37,3          | 35,1 | 32,6 |      |
|                           | 42,0     | 34,9          | 32,9 | 30,5 | 29,1 |
|                           | 44,0     | 32,8          | 30,8 | 28,5 | 27,2 |
|                           | 46,0     | 30,8          | 29,0 | 26,8 | 25,6 |
|                           | 50,0     | 27,4          | 25,7 | 23,7 | 22,6 |
|                           | 56,0     | 23,2          | 21,7 | 20,0 | 19,0 |
|                           | 60,0     |               | 19,5 | 17,9 | 17,0 |
|                           | 64,0     |               |      | 16,0 | 15,2 |

|                           |          | Boom length m |      |      |      |
|---------------------------|----------|---------------|------|------|------|
| 60,0 m Luffing jib length | Radius m | 30,0          | 42,0 | 54,0 | 60,0 |
|                           | 40,0     | 36,1          |      |      |      |
|                           | 44,0     | 31,6          | 29,6 |      |      |
|                           | 48,0     | 27,9          | 26,0 | 23,9 | 22,7 |
|                           | 54,0     | 23,5          | 21,8 | 19,9 | 18,8 |
|                           | 60,0     | 19,9          | 18,4 | 16,8 | 15,8 |
|                           | 66,0     | 17,0          | 15,7 | 14,2 | 13,3 |
|                           | 72,0     |               | 13,4 | 12,0 | 11,3 |
|                           | 76,0     |               |      | 10,7 | 10,0 |
|                           | 80,0     |               |      |      |      |
|                           | 84,0     |               |      |      |      |
|                           | 88,0     |               |      |      |      |

|                           |          | Boom length m |      |      |
|---------------------------|----------|---------------|------|------|
| 72,0 m Luffing jib length | Radius m | 30,0          | 42,0 | 48,0 |
|                           | 40,0     |               |      |      |
|                           | 44,0     |               |      |      |
|                           | 48,0     | 26,6          | 24,7 |      |
|                           | 54,0     | 22,2          | 20,5 | 19,5 |
|                           | 60,0     | 18,7          | 17,1 | 16,3 |
|                           | 66,0     | 15,9          | 14,5 | 13,6 |
|                           | 72,0     | 13,5          | 12,2 | 11,5 |
|                           | 76,0     | 12,1          | 10,9 | 10,3 |
|                           | 80,0     |               | 9,8  | 9,1  |
|                           | 84,0     |               | 8,7  | 8,1  |
|                           | 88,0     |               |      |      |

|                           |          | Boom length m |  |
|---------------------------|----------|---------------|--|
| 84,0 m Luffing jib length | Radius m | 30,0          |  |
|                           | 40,0     |               |  |
|                           | 44,0     |               |  |
|                           | 48,0     |               |  |
|                           | 54,0     | 21,0          |  |
|                           | 60,0     | 17,5          |  |
|                           | 66,0     | 14,7          |  |
|                           | 72,0     | 12,3          |  |
|                           | 76,0     | 11,0          |  |
|                           | 80,0     | 9,8           |  |
|                           | 84,0     | 8,7           |  |
|                           | 88,0     | 7,7           |  |

For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).

# Luffing jib load charts

360° Rating, kg x 1 000

**No. 58 HL boom with No. 59 luffing jib**

**150 590 kg Counterweight 54 430 kg Carbody counterweight**

## 65° Boom angle

| 24,0 m Luffing jib length | Boom length m |      |      |      |
|---------------------------|---------------|------|------|------|
|                           | Radius m      | 30,0 | 42,0 | 54,0 |
|                           | 32,0          | 47,9 |      |      |
|                           | 36,0          | 41,0 |      |      |
|                           | 40,0          | 61,9 | 32,4 |      |
|                           | 44,0          |      | 28,2 | 25,0 |
|                           | 48,0          |      |      | 21,9 |
|                           | 52,0          |      |      | 18,5 |
|                           | 56,0          |      |      | 16,2 |
|                           | 60,0          |      |      |      |
|                           | 62,0          |      |      |      |

| 36,0 m Luffing jib length | Boom length m |      |      |      |
|---------------------------|---------------|------|------|------|
|                           | Radius m      | 30,0 | 42,0 | 54,0 |
|                           | 32,0          |      |      |      |
|                           | 36,0          |      |      |      |
|                           | 40,0          | 34,8 |      |      |
|                           | 44,0          | 30,6 | 27,4 |      |
|                           | 48,0          | 27,0 | 24,2 |      |
|                           | 52,0          |      | 21,5 | 18,4 |
|                           | 54,0          |      | 20,3 | 17,4 |
|                           | 60,0          |      |      | 14,6 |
|                           | 62,0          |      |      | 13,1 |

| 48,0 m Luffing jib length | Boom length m |      |      |
|---------------------------|---------------|------|------|
|                           | Radius m      | 30,0 | 42,0 |
|                           | 32,0          |      |      |
|                           | 36,0          |      |      |
|                           | 40,0          |      |      |
|                           | 44,0          |      |      |
|                           | 48,0          | 26,0 |      |
|                           | 52,0          | 23,1 | 20,3 |
|                           | 54,0          | 21,9 | 19,1 |
|                           | 60,0          | 18,5 | 16,2 |
|                           | 62,0          | 17,5 | 15,3 |

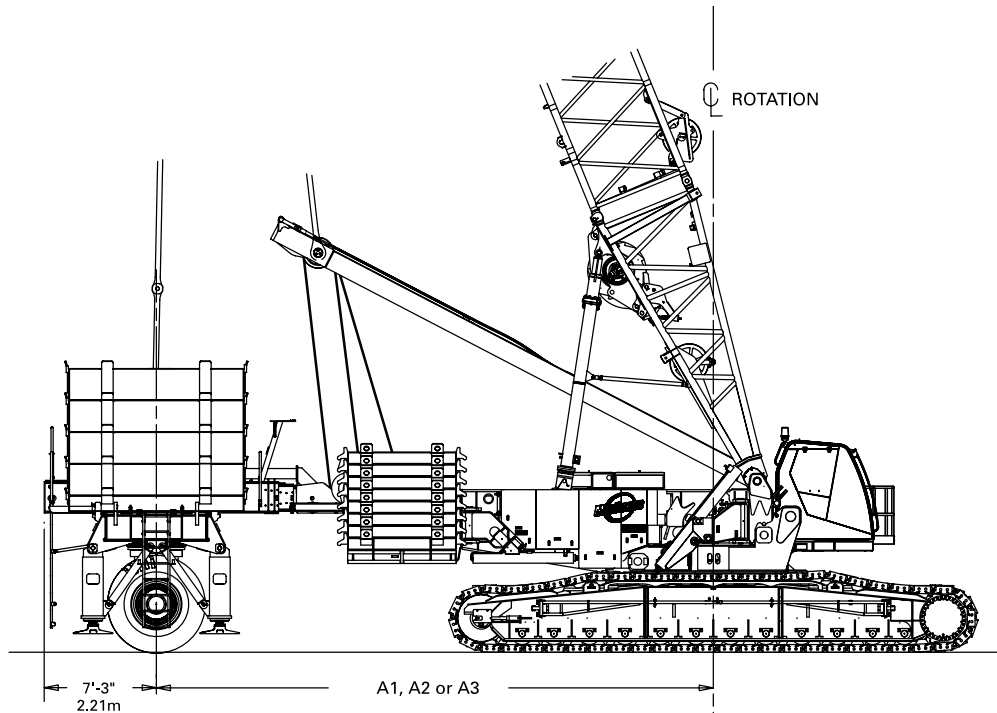
| 60,0 m Luffing jib length | Boom length m |      |
|---------------------------|---------------|------|
|                           | Radius m      | 30,0 |
|                           | 54,0          | 20,6 |
|                           | 56,0          | 19,5 |
|                           | 58,0          | 18,4 |
|                           | 60,0          | 17,4 |
|                           | 64,0          | 15,6 |
|                           | 68,0          | 14,0 |
|                           | 72,0          | 12,6 |
|                           | 74,0          | 11,8 |
|                           | 76,0          | 9,3  |

| 72,0 m Luffing jib length | Boom length m |      |
|---------------------------|---------------|------|
|                           | Radius m      | 30,0 |
|                           | 54,0          |      |
|                           | 56,0          |      |
|                           | 58,0          |      |
|                           | 60,0          | 16,1 |
|                           | 64,0          | 14,3 |
|                           | 68,0          | 12,7 |
|                           | 72,0          | 11,3 |
|                           | 74,0          | 10,7 |
|                           | 76,0          | 10,1 |

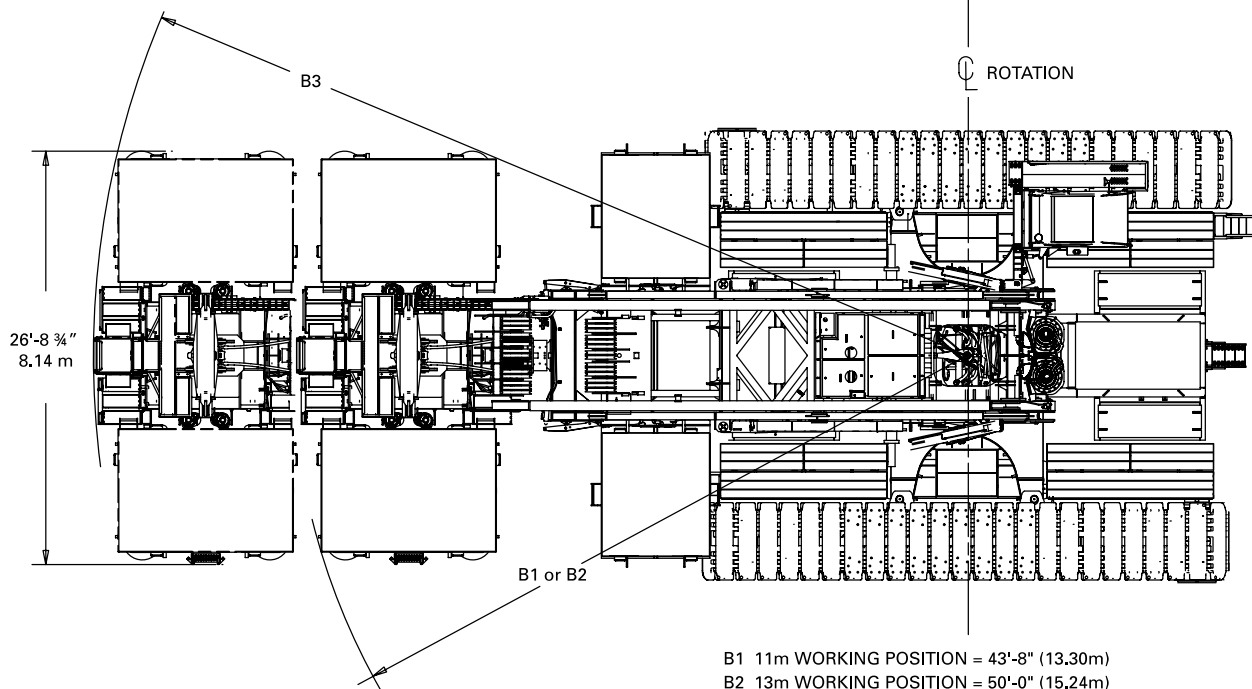
*For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).*

# Outline dimensions

## MAX-ER®



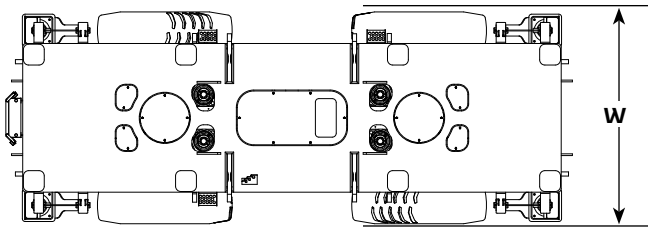
- A1 36'-1" (11m WORKING POSITION)
- A2 42'-8" (13m WORKING POSITION)
- A3 49'-3" (15m WORKING POSITION)



- B1 11m WORKING POSITION = 43'-8" (13.30m)
- B2 13m WORKING POSITION = 50'-0" (15.24m)
- B3 15m WORKING POSITION = 56'-6" (17.22m)

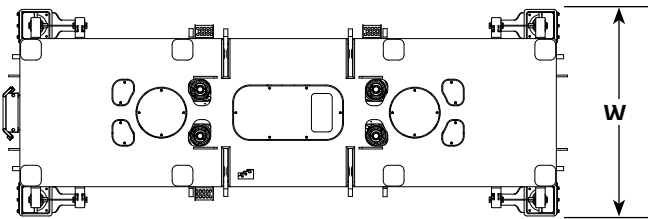
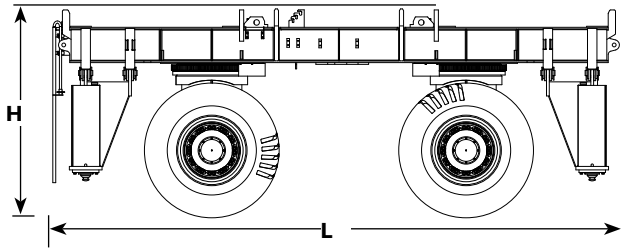
# Outline dimensions

## MAX-ER®



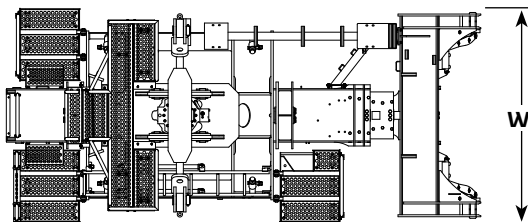
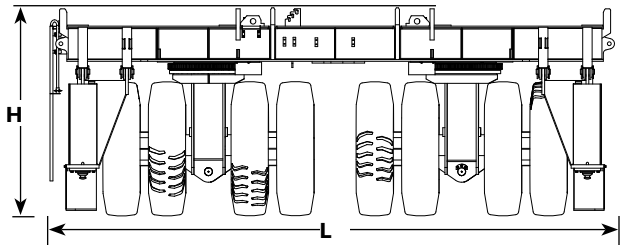
### Wheeled carrier (US)

|        |           |
|--------|-----------|
| Length | 8,15 m    |
| Width  | 3,05 m    |
| Height | 3,00 m    |
| Weight | 28 304 kg |



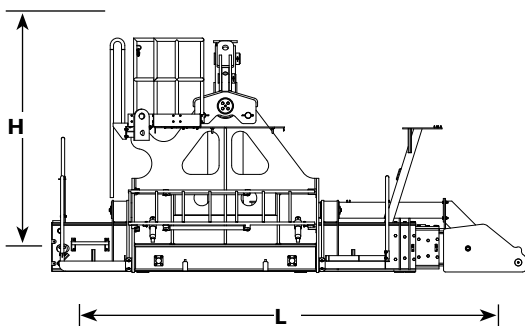
### Wheeled carrier (European)

|        |           |
|--------|-----------|
| Length | 8,15 m    |
| Width  | 2,98 m    |
| Height | 3,00 m    |
| Weight | 28 622 kg |



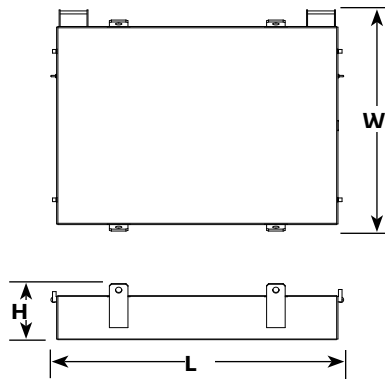
### Lifting frame and telescopic beam

|        |           |
|--------|-----------|
| Length | 6,04 m    |
| Width  | 2,73 m    |
| Height | 2,99 m    |
| Weight | 16 828 kg |



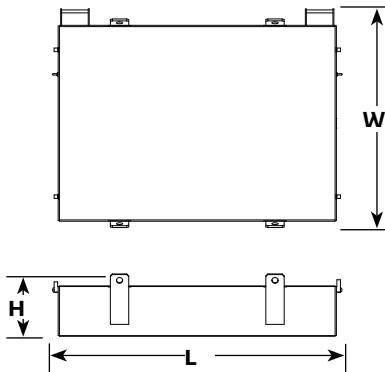
# Outline dimensions

## MAX-ER®



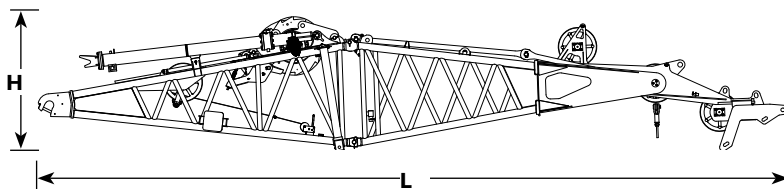
### Side counterweight

|        |           |
|--------|-----------|
| Length | 3,59 m    |
| Width  | 2,72 m    |
| Height | 0,69 m    |
| Weight | 13 608 kg |



### Side counterweight

|        |           |
|--------|-----------|
| Length | 3,59 m    |
| Width  | 2,72 m    |
| Height | 0,78 m    |
| Weight | 19 958 kg |

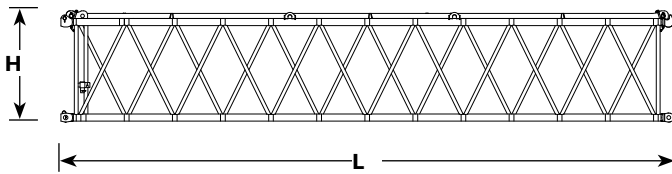


### No. 59A mast butt and top package, drum, wire rope, equilizer

|        |           |
|--------|-----------|
| Length | 14,84 m   |
| Width  | 2,99 m    |
| Height | 2,66 m    |
| Weight | 20 593 kg |

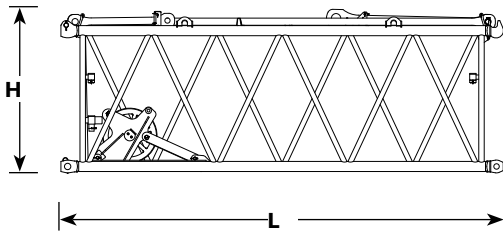
# Outline dimensions

## MAX-ER®



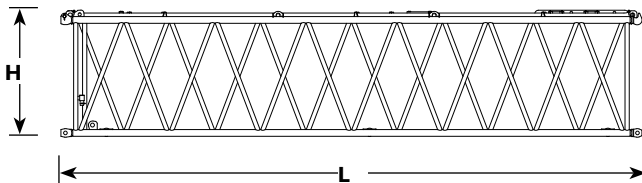
### 12 m No. 59A mast insert

|        |          |
|--------|----------|
| Length | 12,19 m  |
| Width  | 2,72 m   |
| Height | 2,23 m   |
| Weight | 4 375 kg |



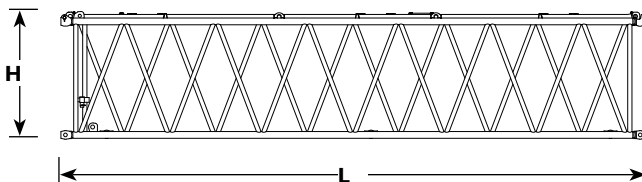
### 6 m No. 59A mast insert

|        |          |
|--------|----------|
| Length | 6,19 m   |
| Width  | 2,72 m   |
| Height | 2,29 m   |
| Weight | 3 366 kg |



### 12 m No. 58 heavy boom insert with equilibrizer rails

|        |          |
|--------|----------|
| Length | 12,19 m  |
| Width  | 2,98 m   |
| Height | 2,67 m   |
| Weight | 4 602 kg |



### 12 m No. 58 heavy boom insert

|        |          |
|--------|----------|
| Length | 12,19 m  |
| Width  | 2,98 m   |
| Height | 2,67 m   |
| Weight | 5 087 kg |

# Boom combinations with mast

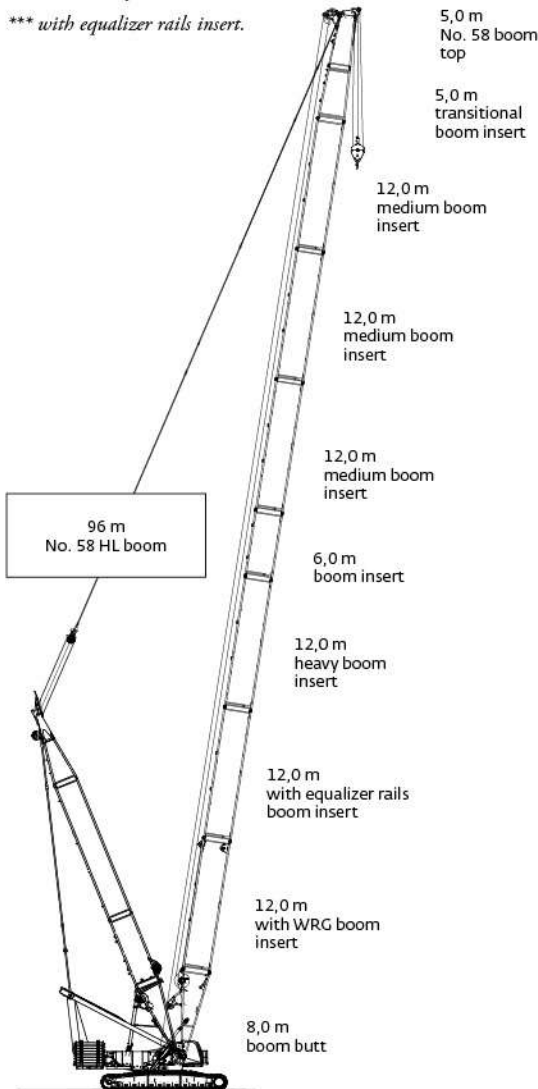
No. 58 HL boom combinations

| Boom length m | Boom inserts length m |     |      |        |         |
|---------------|-----------------------|-----|------|--------|---------|
|               | 5,0°                  | 6,0 | 12,0 | 12,0°° | 12,0°°° |
| 42            | 1                     | 0   | 0    | 1      | 1       |
| 48            | 1                     | 1   | 0    | 1      | 1       |
| 54            | 1                     | 0   | 1    | 1      | 1       |
| 60            | 1                     | 1   | 1    | 1      | 1       |
| 66            | 1                     | 0   | 2    | 1      | 1       |
| 72            | 1                     | 1   | 2    | 1      | 1       |
| 78            | 1                     | 0   | 3    | 1      | 1       |
| 84            | 1                     | 1   | 3    | 1      | 1       |
| 90            | 1                     | 0   | 4    | 1      | 1       |
| 96            | 1                     | 1   | 4    | 1      | 1       |

\*transition boom insert.

\*\*with auxiliary sheave insert.

\*\*\* with equalizer rails insert.



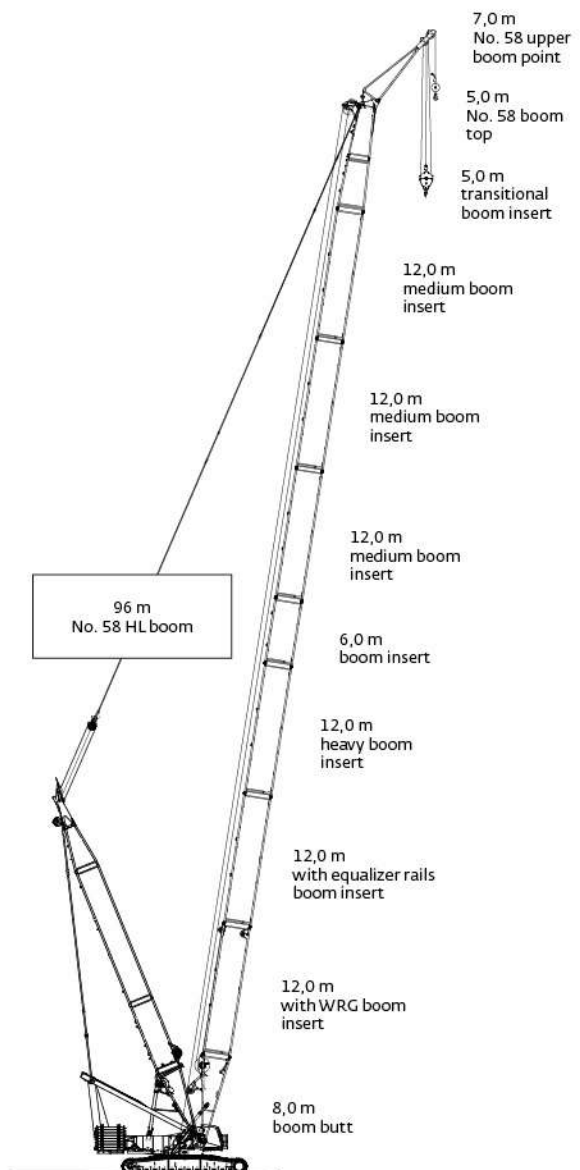
No. 58 HL boom with 7m extended upper boom point combination

| Boom length m | Boom inserts length m |     |             |        |         |            |
|---------------|-----------------------|-----|-------------|--------|---------|------------|
|               | 5,0°                  | 6,0 | 12,0 medium | 12,0°° | 12,0°°° | 12,0 heavy |
| 96            | 1                     | 1   | 3           | 1      | 1       | 1          |

\*transition boom insert.

\*\*with auxiliary sheave insert.

\*\*\* with equalizer rails insert.



# Boom combinations

## MAX-ER®

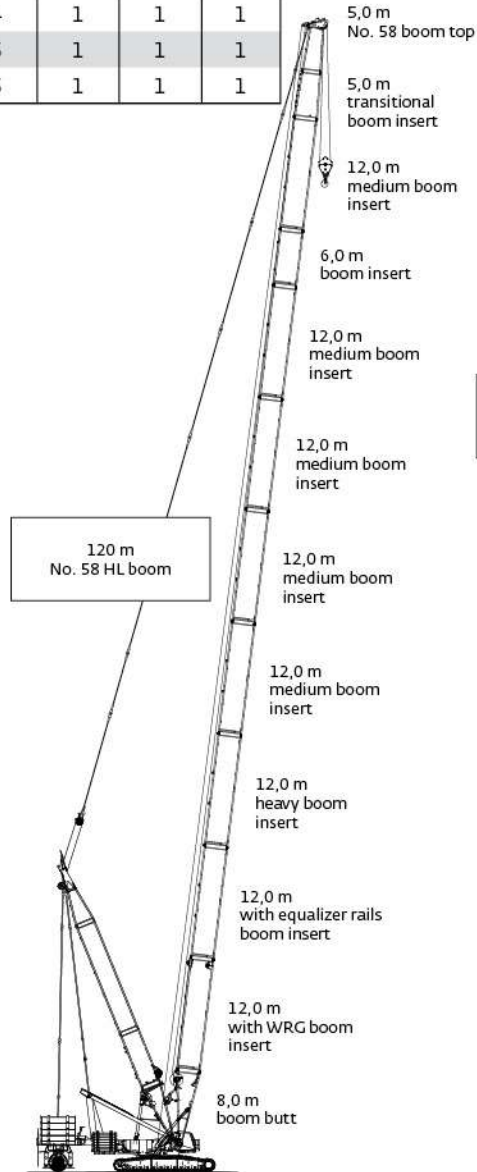
**No. 58 HL boom combinations**

| Boom length m | Boom inserts length m |     |             |       |                      |            |
|---------------|-----------------------|-----|-------------|-------|----------------------|------------|
|               | 5,0°                  | 6,0 | 12,0 medium | 12,0° | 12,0° <sup>***</sup> | 12,0 heavy |
| 42            | 1                     | 0   | 0           | 1     | 1                    | 0          |
| 48            | 1                     | 1   | 0           | 1     | 1                    | 0          |
| 54            | 1                     | 0   | 0           | 1     | 1                    | 1          |
| 60            | 1                     | 1   | 0           | 1     | 1                    | 1          |
| 66            | 1                     | 0   | 1           | 1     | 1                    | 1          |
| 72            | 1                     | 1   | 1           | 1     | 1                    | 1          |
| 78            | 1                     | 0   | 2           | 1     | 1                    | 1          |
| 84            | 1                     | 1   | 2           | 1     | 1                    | 1          |
| 90            | 1                     | 0   | 3           | 1     | 1                    | 1          |
| 96            | 1                     | 1   | 3           | 1     | 1                    | 1          |
| 102           | 1                     | 0   | 4           | 1     | 1                    | 1          |
| 108           | 1                     | 1   | 4           | 1     | 1                    | 1          |
| 114           | 1                     | 0   | 5           | 1     | 1                    | 1          |
| 120           | 1                     | 1   | 5           | 1     | 1                    | 1          |

\*transition boom insert.

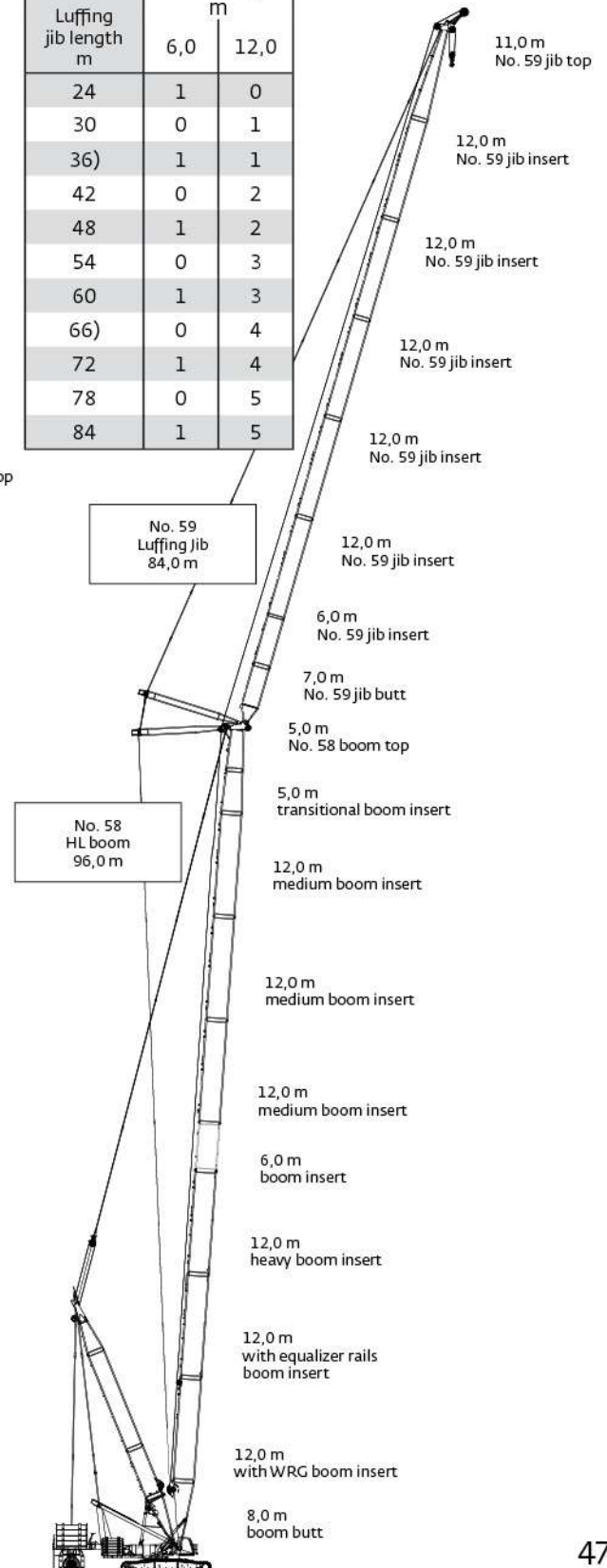
\*\*with auxiliary sheave insert.

\*\*\* with equalizer rails insert.



**No. 59 luffing jib combinations**

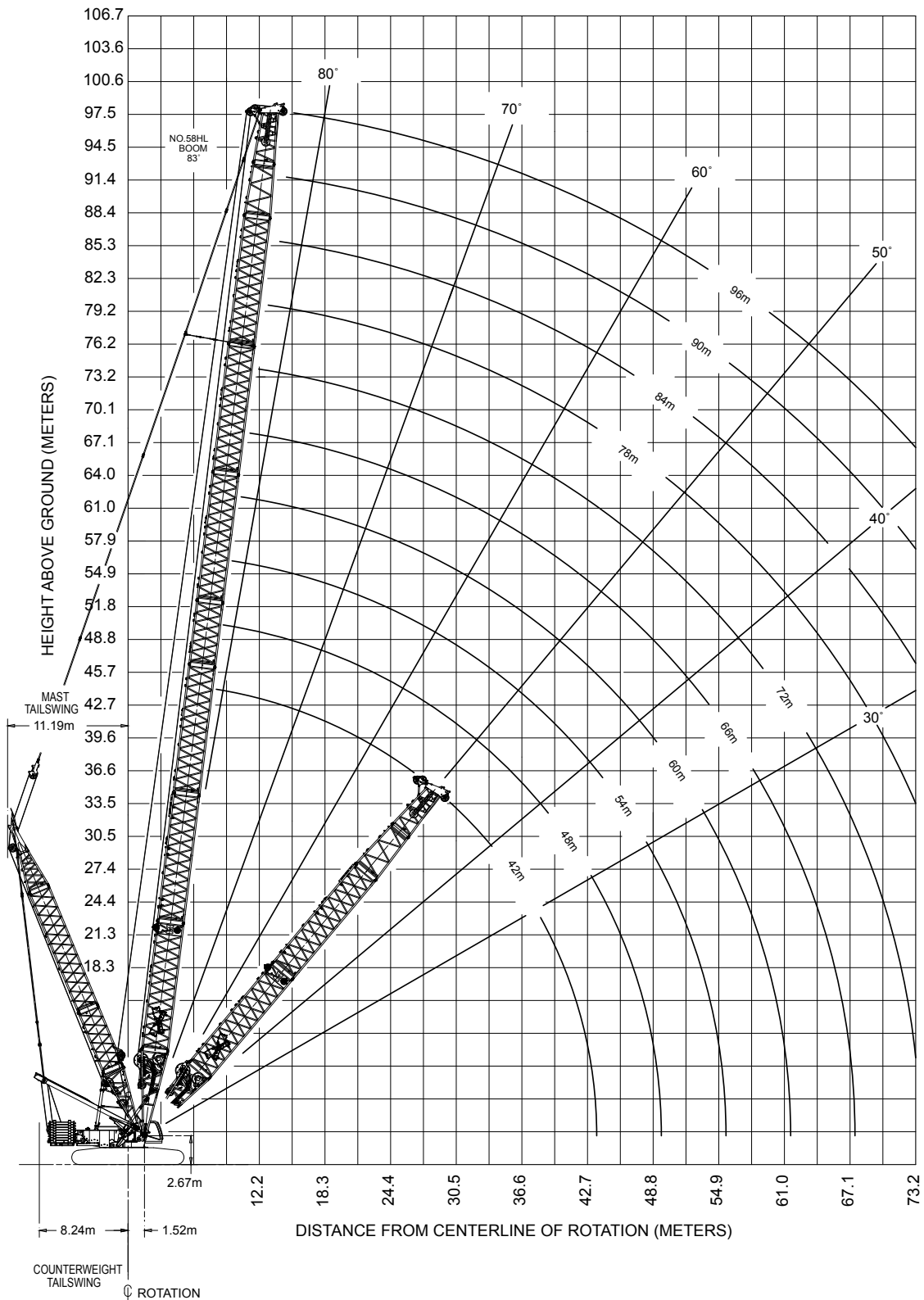
| Luffing jib length m | Luffing jib inserts length m |      |
|----------------------|------------------------------|------|
|                      | 6,0                          | 12,0 |
| 24                   | 1                            | 0    |
| 30                   | 0                            | 1    |
| 36)                  | 1                            | 1    |
| 42                   | 0                            | 2    |
| 48                   | 1                            | 2    |
| 54                   | 0                            | 3    |
| 60                   | 1                            | 3    |
| 66)                  | 0                            | 4    |
| 72                   | 1                            | 4    |
| 78                   | 0                            | 5    |
| 84                   | 1                            | 5    |





# Boom range diagram with Mast

No. 58 HL boom with 30,0 m No.59A mast



# Boom load charts

## with Mast

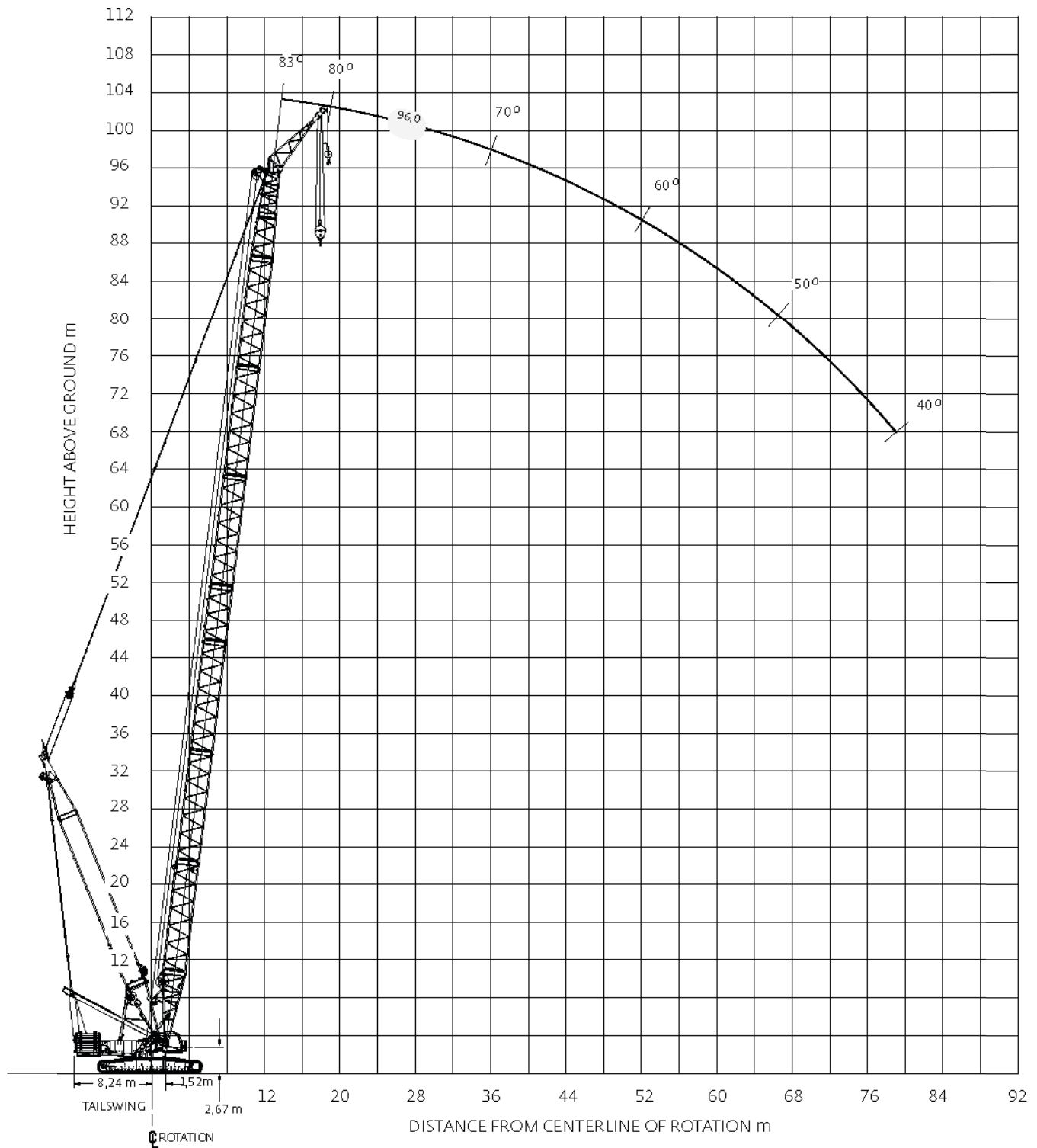
360° Rating, kg x 1 000

### No. 58 HL boom with 30,0 m No.59A mast

| Radius<br>m | 150 590 kg Counterweight<br>54 430 kg Carbody counterweight |       |       |       |       |       |       |       |       |       |
|-------------|-------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | Boom length m                                               |       |       |       |       |       |       |       |       |       |
|             | 42,0                                                        | 48,0  | 54,0  | 60,0  | 66,0  | 72,0  | 78,0  | 84,0  | 90,0  | 96,0  |
| 8,0         | 332,1                                                       |       |       |       |       |       |       |       |       |       |
| 12,0        | 215,4                                                       | 215,7 | 215,5 | 215,3 | 215,4 | 215,1 |       |       |       |       |
| 16,0        | 140,0                                                       | 140,1 | 140,0 | 139,7 | 139,8 | 139,4 | 139,2 | 138,8 | 138,9 | 126,9 |
| 20,0        | 101,7                                                       | 101,6 | 101,3 | 101,0 | 101,0 | 100,5 | 100,2 | 99,7  | 99,4  | 98,9  |
| 24,0        | 78,4                                                        | 78,2  | 77,9  | 77,5  | 77,4  | 76,9  | 76,5  | 75,9  | 75,7  | 75,0  |
| 28,0        | 62,7                                                        | 62,5  | 62,2  | 61,7  | 61,7  | 61,1  | 60,7  | 60,1  | 59,7  | 59,0  |
| 32,0        | 51,5                                                        | 51,2  | 50,9  | 50,4  | 50,3  | 49,7  | 49,3  | 48,6  | 48,3  | 47,5  |
| 36,0        | 43,0                                                        | 42,7  | 42,3  | 41,8  | 41,7  | 41,1  | 40,7  | 40,0  | 39,7  | 38,9  |
| 40,0        | 36,3                                                        | 36,0  | 35,7  | 35,1  | 35,1  | 34,4  | 34,0  | 33,3  | 32,9  | 32,2  |
| 44,0        |                                                             | 30,7  | 30,3  | 29,8  | 29,7  | 29,1  | 28,6  | 27,9  | 27,6  | 26,8  |
| 48,0        |                                                             |       | 25,8  | 25,3  | 25,3  | 24,7  | 24,2  | 23,5  | 23,1  | 22,4  |
| 52,0        |                                                             |       | 22,1  | 21,7  | 21,6  | 20,9  | 20,5  | 19,8  | 19,4  | 18,6  |
| 56,0        |                                                             |       |       | 18,5  | 18,4  | 17,8  | 17,3  | 16,7  | 16,3  | 15,5  |
| 60,0        |                                                             |       |       |       | 15,7  | 15,1  | 14,6  | 13,9  | 13,6  | 12,7  |
| 64,0        |                                                             |       |       |       | 13,2  | 12,7  | 12,2  | 11,6  | 11,2  | 10,4  |
| 70,0        |                                                             |       |       |       |       | 9,6   | 9,2   | 8,5   | 8,2   | 7,2   |
| 80,0        |                                                             |       |       |       |       |       |       | 3,7   |       |       |

# Extended upper boom point range diagram

No. 58 HL boom with 30,0 No. 59A mast and 7,0 m extended upper boom point



# Extended upper boom point load charts

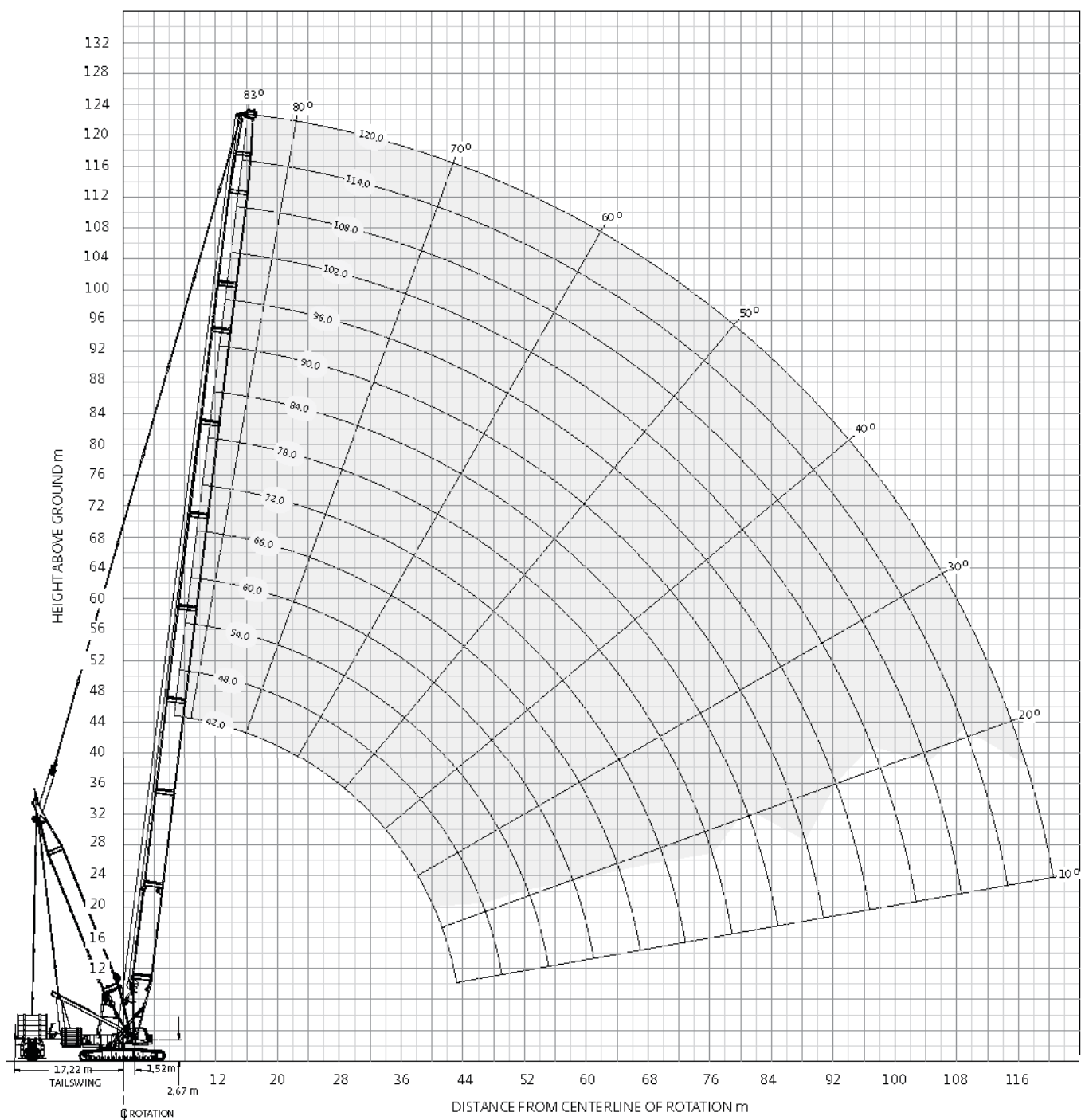
360° Rating, kg x 1 000

| No. 58 HL boom with 30,0 No. 59A mast and 7,0 m extended upper boom point |                                                             |
|---------------------------------------------------------------------------|-------------------------------------------------------------|
| Radius<br>m                                                               | 150 590 kg Counterweight<br>54 430 kg Carbody counterweight |
|                                                                           | Boom length m                                               |
|                                                                           | 96,0                                                        |
| 18,3                                                                      | 81,5                                                        |
| 20,0                                                                      | 81,5                                                        |
| 22,0                                                                      | 81,5                                                        |
| 24,0                                                                      | 78,4                                                        |
| 26,0                                                                      | 70,2                                                        |
| 30,0                                                                      | 56,3                                                        |
| 32,0                                                                      | 50,9                                                        |
| 34,0                                                                      | 46,1                                                        |
| 36,0                                                                      | 41,9                                                        |
| 38,0                                                                      | 38,3                                                        |
| 42,0                                                                      | 32,0                                                        |
| 46,0                                                                      | 27,0                                                        |
| 50,0                                                                      | 22,8                                                        |
| 54,0                                                                      | 19,3                                                        |
| 58,0                                                                      | 16,3                                                        |
| 62,0                                                                      | 13,6                                                        |
| 64,0                                                                      | 12,5                                                        |
| 66,0                                                                      | 11,4                                                        |
| 70,0                                                                      | 9,3                                                         |
| 72,0                                                                      | 8,4                                                         |
| 74,0                                                                      | 7,5                                                         |
| 78,0                                                                      | 5,6                                                         |
| 80,0                                                                      | 4,6                                                         |
| 82,0                                                                      | 3,8                                                         |

*For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).*

# MAX-ER<sup>®</sup> range diagram

MAX-ER at 15 m position  
No. 58 HL boom with 30,0 m No.59A mast



# MAX-ER® load charts

360° Rating, kg x 1 000

**MAX-ER at 15 m position  
No. 58 HL boom with 30,0 m No.59A mast**

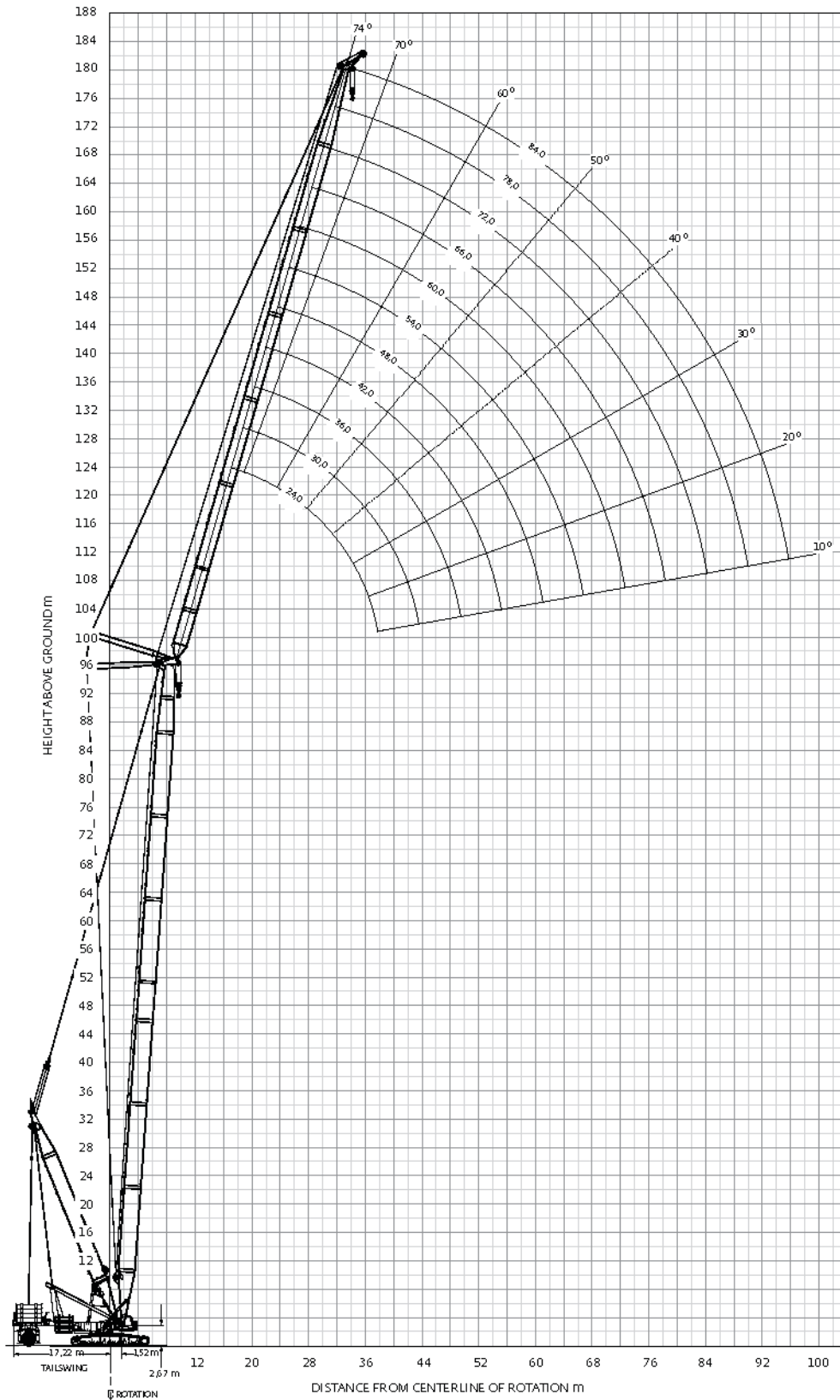
| Radius<br>m | 150 590 kg Counterweight 54 430 kg Carbody counterweight<br>231 970 kg Wheeled counterweight |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|----------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | Boom length m                                                                                |       |       |       |       |       |       |       |       |       |       |       |       |       |
|             | 42,0                                                                                         | 48,0  | 54,0  | 60,0  | 66,0  | 72,0  | 78,0  | 84,0  | 90,0  | 96,0  | 102,0 | 108,0 | 114,0 | 120,0 |
| 7,9         | 379,8                                                                                        |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10,0        | 379,8                                                                                        | 340,0 | 312,2 |       |       |       |       |       |       |       |       |       |       |       |
| 12,0        | 379,8                                                                                        | 340,0 | 311,4 | 282,4 | 251,1 | 227,8 |       |       |       |       |       |       |       |       |
| 14,0        | 361,9                                                                                        | 338,1 | 310,6 | 277,8 | 250,4 | 225,2 | 203,5 | 177,0 | 148,4 |       |       |       |       |       |
| 18,0        | 278,9                                                                                        | 278,4 | 279,5 | 267,1 | 241,4 | 217,8 | 198,9 | 177,0 | 148,4 | 126,9 | 107,8 | 92,9  | 79,7  |       |
| 20,0        | 250,4                                                                                        | 249,8 | 249,2 | 248,8 | 236,9 | 214,2 | 196,6 | 176,8 | 148,4 | 126,9 | 107,8 | 92,9  | 79,5  | 68,8  |
| 24,0        | 207,1                                                                                        | 206,6 | 206,0 | 205,2 | 205,0 | 203,4 | 192,2 | 170,4 | 145,3 | 126,9 | 107,6 | 92,7  | 79,3  | 68,6  |
| 30,0        | 163,3                                                                                        | 162,8 | 162,2 | 161,5 | 161,3 | 160,5 | 159,9 | 158,7 | 137,0 | 126,6 | 106,5 | 91,0  | 77,6  | 67,1  |
| 36,0        | 133,8                                                                                        | 133,3 | 132,7 | 132,1 | 131,8 | 131,0 | 130,5 | 129,6 | 128,5 | 124,1 | 104,2 | 89,0  | 75,7  | 65,0  |
| 42,0        |                                                                                              | 112,1 | 115,5 | 110,8 | 110,6 | 109,8 | 109,3 | 108,5 | 108,0 | 107,1 | 102,0 | 87,0  | 73,9  | 61,1  |
| 48,0        |                                                                                              |       | 95,4  | 94,8  | 94,6  | 93,9  | 93,3  | 92,5  | 92,1  | 91,1  | 90,6  | 84,9  | 72,1  | 57,6  |
| 54,0        |                                                                                              |       |       | 82,2  | 82,1  | 81,4  | 80,8  | 80,0  | 79,6  | 78,7  | 78,1  | 77,3  | 70,2  | 54,0  |
| 60,0        |                                                                                              |       |       |       | 71,8  | 71,1  | 70,6  | 69,9  | 69,5  | 68,6  | 68,1  | 67,3  | 66,8  | 50,4  |
| 66,0        |                                                                                              |       |       |       |       | 62,7  | 62,2  | 61,4  | 61,1  | 60,2  | 59,7  | 58,9  | 58,3  | 46,8  |
| 74,0        |                                                                                              |       |       |       |       |       | 53,1  | 52,3  | 52,0  | 51,1  | 50,6  | 49,8  | 49,3  | 42,1  |
| 80,0        |                                                                                              |       |       |       |       |       |       | 46,6  | 46,3  | 45,5  | 45,0  | 44,2  | 43,7  | 38,5  |
| 84,0        |                                                                                              |       |       |       |       |       |       |       | 43,0  | 42,2  | 41,7  | 40,9  | 40,4  | 36,6  |
| 96,0        |                                                                                              |       |       |       |       |       |       |       |       |       | 33,4  | 32,6  | 32,1  | 31,1  |
| 100,0       |                                                                                              |       |       |       |       |       |       |       |       |       |       | 30,3  | 29,8  | 28,8  |
| 108,0       |                                                                                              |       |       |       |       |       |       |       |       |       |       |       | 16,8  | 23,9  |
| 112,0       |                                                                                              |       |       |       |       |       |       |       |       |       |       |       |       | 21,6  |
| 116,0       |                                                                                              |       |       |       |       |       |       |       |       |       |       |       |       | 17,8  |

For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).

# Luffing jib range diagram

## MAX-ER®

MAX-ER at 15 m position  
No. 58 HL boom with No. 59 luffing jib



# Luffing jib load charts

MAX-ER®

360° Rating, kg x 1 000

## MAX-ER at 15 m position No. 58 HL boom with No. 59 luffing jib

150 590 kg Counterweight 54 430 kg Carbody counterweight  
231 970 kg Wheeled counterweight  
86° Boom angle

| 24,0 m Luffing jib length | Radius<br>m | Boom length m |       |      |      | 36,0 m Luffing jib length | Radius<br>m | Boom length m |       |      |      | 48,0 m Luffing jib length | Radius<br>m | Boom length m |      |      |      |
|---------------------------|-------------|---------------|-------|------|------|---------------------------|-------------|---------------|-------|------|------|---------------------------|-------------|---------------|------|------|------|
|                           | 42,0        | 60,0          | 78,0  | 96,0 | 42,0 |                           | 60,0        | 78,0          | 96,0  | 42,0 | 60,0 |                           | 78,0        | 96,0          |      |      |      |
|                           | 13,7        | 185,4         | 146,8 |      |      |                           | 18,0        | 139,7         |       |      |      |                           | 20,0        | 115,5         |      |      |      |
|                           | 14,0        | 181,7         | 129,8 |      |      |                           | 20,0        | 124,2         | 111,3 | 76,4 |      |                           | 22,0        | 111,7         | 85,3 |      |      |
|                           | 16,0        | 156,7         | 117,1 |      |      |                           | 24,0        | 101,2         | 94,7  | 68,7 | 47,4 |                           | 26,0        | 94,5          | 77,2 | 54,9 | 38,1 |
|                           | 18,0        | 137,6         | 107,2 | 98,6 | 62,2 |                           | 26,0        | 93,0          | 87,6  | 64,7 | 46,0 |                           | 30,0        | 80,1          | 68,3 | 49,8 | 35,5 |
|                           | 20,0        | 123,4         | 99,3  | 92,6 | 60,5 |                           | 28,0        | 86,2          | 81,6  | 60,8 | 43,7 |                           | 34,0        | 70,1          | 59,8 | 44,7 | 32,4 |
|                           | 22,0        | 112,3         | 96,4  | 86,5 | 59,0 |                           | 32,0        | 75,9          | 70,2  | 53,5 | 39,4 |                           | 38,0        | 62,7          | 52,1 | 39,9 | 29,4 |
|                           | 24,0        | 103,8         | 89,4  | 80,7 | 57,2 |                           | 34,0        | 72,2          | 64,9  | 50,2 | 37,4 |                           | 42,0        | 55,9          | 45,5 | 35,6 | 26,7 |
|                           | 26,0        | 97,4          | 79,1  | 75,3 | 54,3 |                           | 36,0        | 69,1          | 60,3  | 47,3 | 35,6 |                           | 46,0        | 48,5          | 40,1 | 32,1 | 24,4 |
|                           | 28,0        | 89,8          |       | 70,8 | 51,5 |                           | 38,0        | 65,8          | 56,4  | 44,8 | 33,9 |                           | 50,0        | 42,9          | 36,0 | 29,2 | 22,5 |
|                           | 30,0        |               |       | 67,4 | 49,2 |                           | 42,0        |               |       | 41,3 | 31,4 |                           | 54,0        |               |      | 27,6 | 21,2 |
| 32,0                      |             |               |       | 47,0 | 44,0 |                           |             |               | 30,9  | 56,0 |      |                           |             | 21,1          |      |      |      |
| 60,0 m Luffing jib length | Radius<br>m | Boom length m |       |      |      | 72,0 m Luffing jib length | Radius<br>m | Boom length m |       |      |      | 84,0 m Luffing jib length | Radius<br>m | Boom length m |      |      |      |
|                           | 42,0        | 60,0          | 78,0  | 96,0 | 42,0 |                           | 60,0        | 78,0          | 96,0  | 42,0 | 60,0 |                           | 78,0        | 96,0          |      |      |      |
|                           | 24,0        | 79,7          |       |      |      |                           | 28,0        | 55,4          | 46,9  |      |      |                           | 32,0        | 39,4          |      |      |      |
|                           | 28,0        | 78,3          | 61,0  | 43,8 | 30,1 |                           | 32,0        | 54,5          | 46,0  | 33,6 | 23,5 |                           | 38,0        | 38,0          | 33,6 | 25,1 | 17,4 |
|                           | 32,0        | 71,4          | 55,8  | 40,6 | 28,7 |                           | 38,0        | 51,6          | 41,3  | 30,4 | 21,4 |                           | 44,0        | 36,7          | 30,9 | 22,9 | 15,9 |
|                           | 38,0        | 60,5          | 47,7  | 35,4 | 25,4 |                           | 44,0        | 45,4          | 36,2  | 27,0 | 19,2 |                           | 50,0        | 34,3          | 27,7 | 20,6 | 14,3 |
|                           | 42,0        | 53,5          | 42,6  | 32,1 | 23,4 |                           | 50,0        | 39,3          | 31,4  | 23,7 | 17,0 |                           | 56,0        | 30,5          | 24,6 | 18,4 | 12,8 |
|                           | 46,0        | 47,2          | 37,9  | 29,0 | 21,4 |                           | 54,0        | 35,6          | 28,5  | 21,7 | 15,6 |                           | 62,0        | 27,1          | 21,7 | 16,3 | 11,3 |
|                           | 50,0        | 41,7          | 33,8  | 26,3 | 19,6 |                           | 58,0        | 32,1          | 25,8  | 19,9 | 14,4 |                           | 68,0        | 23,9          | 19,2 | 14,6 | 10,1 |
|                           | 56,0        | 35,0          | 28,7  | 22,9 | 17,3 |                           | 64,0        | 27,8          | 22,5  | 17,5 | 12,8 |                           | 74,0        | 21,3          | 17,0 | 13,0 | 9,1  |
|                           | 60,0        | 31,5          | 26,2  | 21,1 | 16,1 |                           | 70,0        | 24,3          | 19,9  | 15,7 | 11,6 |                           | 80,0        | 18,2          | 15,3 | 11,8 | 8,3  |
|                           | 64,0        | 27,0          | 24,4  | 19,9 | 15,2 |                           | 76,0        | 21,6          | 18,2  | 14,6 | 10,8 |                           | 86,0        | 14,5          | 14,1 | 11,1 | 7,7  |
| 68,0                      |             |               |       | 14,9 | 80,0 |                           |             |               | 10,7  | 92,0 |      |                           |             | 7,5           |      |      |      |

For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).



# Manitowoc Crane Care

Manitowoc Crane Care is the industry's most advanced service and support program, designed to keep your cranes up and running. Manitowoc's distributor network and customer support personnel are available to support you 24 hours a day, 7 days a week, 365 days a year. There are five key disciplines of Manitowoc Crane Care:

## **Parts**

Genuine Manitowoc replacement parts are accessible through your distributor.

## **Service and technical support**

Assistance with crane selection, lift planning and ground bearing calculations or field service and maintenance.

## **Technical publications**

Operator, parts, service and capacity chart manuals are available in multiple formats in major languages.

## **Training**

A variety of training courses are available online or through Manitowoc training centers.

## **EnCORE**

Rebuild, repair, remanufacture or exchange your current crane through our local network, for a fraction of the cost of a new crane.

**[www.manitowoccranecare.com](http://www.manitowoccranecare.com)**

## **CraneSTAR**

CraneSTAR is an exclusive and innovative crane asset management system that helps improve your profitability and reduce costs by remotely monitoring critical crane data. Visit [www.cranestar.com](http://www.cranestar.com) for more information.







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**Korea**

Seoul

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Zhangjiagang

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