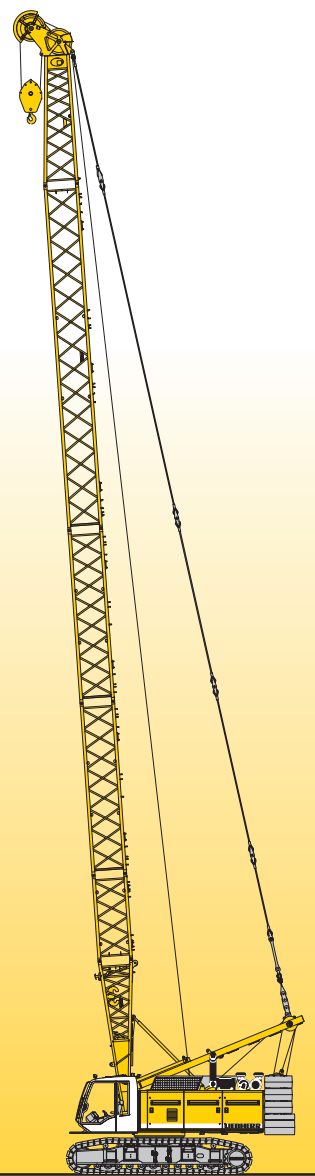


**Technical data**  
**Hydraulic crawler crane**

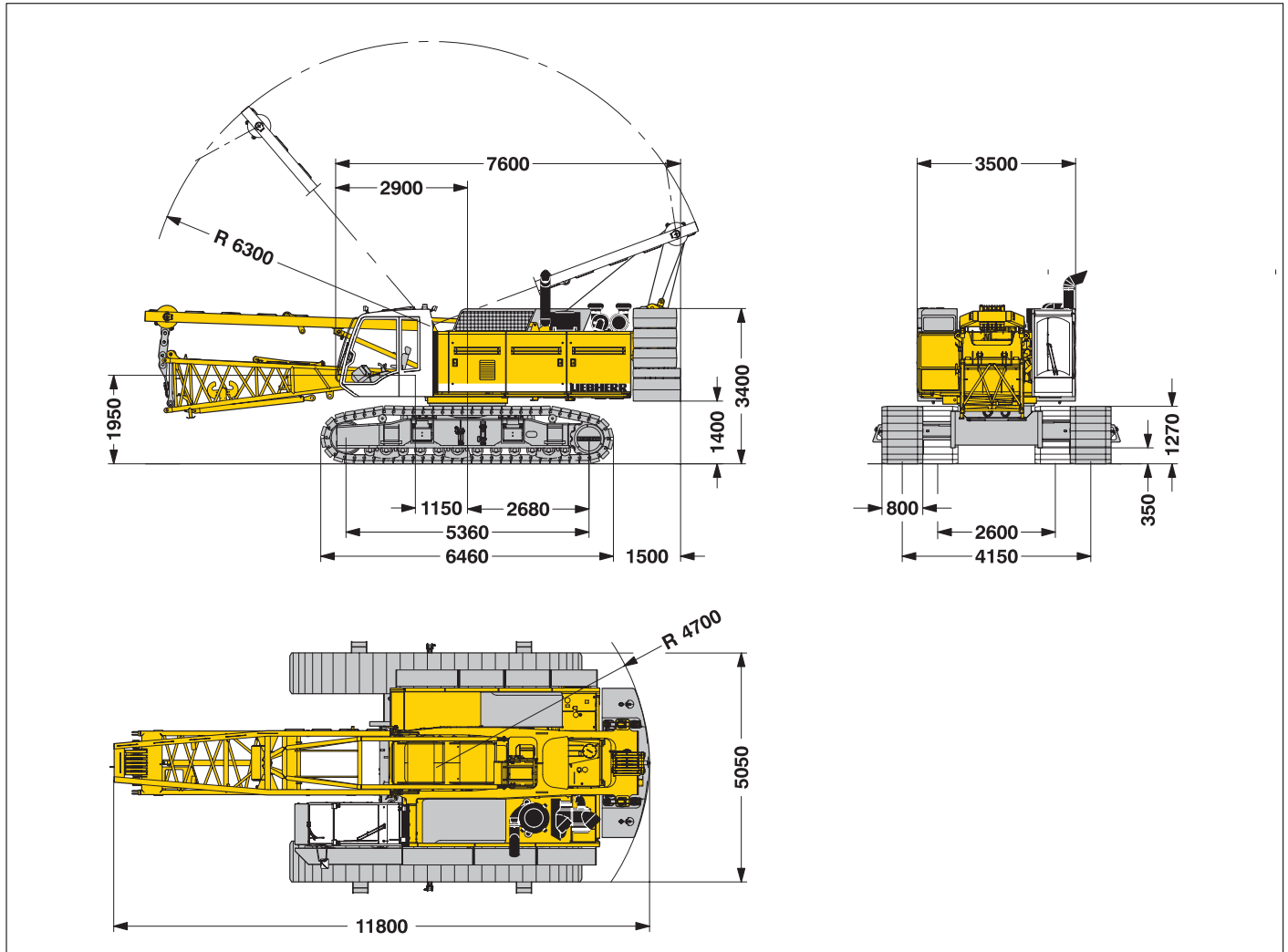
**HS 855 HD**  
Litronic®



**LIEBHERR**

# Dimensions

## Basic machine with undercarriage



## Operating weight

The operating weight includes the basic machine with HD undercarriage, 2 main winches 250 kN including wire ropes (90 m) and 11 m main boom, consisting of A-frame, boom foot (5.5 m) and boom head (5.5 m), 26.3 t basic counterweight, 800 mm triple grouser track shoes and 50 t hook block.

Total weight \_\_\_\_\_ approx. 87.1 t

## Ground pressure

Ground bearing pressure \_\_\_\_\_ 0.98 kg/cm<sup>2</sup>

## Equipment

Main boom (No. 1311.xx) max. length \_\_\_\_\_ 68 m

Fixed jib (No. 0806.xx) \_\_\_\_\_ 11 m – 32 m

Modular designed equipment for operation as crane, with dragline or clamshell.

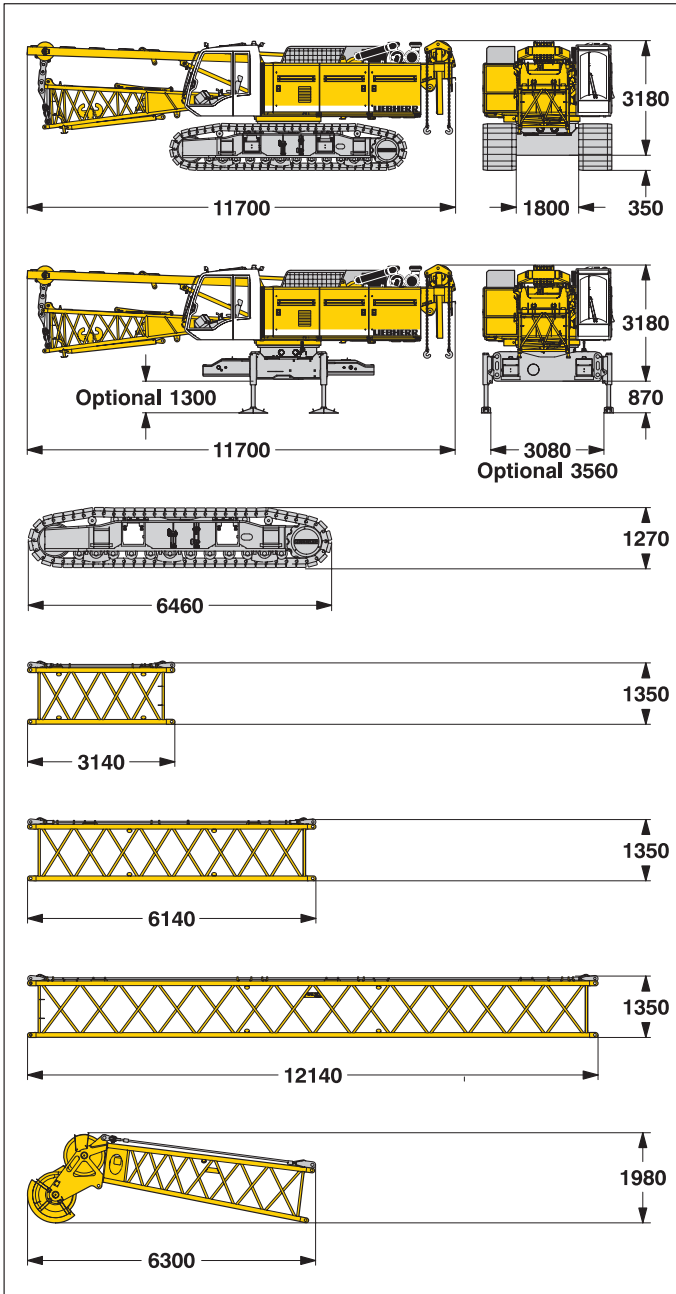
For dragline operation, a rotating fairlead is fitted into the boom foot. This minimizes the rope angle to drum, which results in lower rope wear.

## Remarks

1. The lifting capacities stated are valid for lifting operation only (corresponds with crane classification according to F.E.M. 1.001, crane group A1).
2. Crane standing on firm, horizontal ground.
3. The weight of the lifting device (hoisting ropes, hook block, shackle etc.) must be deducted from the gross lifting capacity to obtain a net lifting value.
4. Additional equipment on boom (e.g. boom walkways, auxiliary jib) must be deducted to get the net lifting capacity.
5. For max. wind speed please refer to lift chart in operator's cab or manual.
6. Working radii are measured from centre of swing and under load.
7. The lifting capacities are valid for 360 degrees of swing.
8. Calculation of stability under load is based on DIN 15019 / part 2 / chart 1 and ISO 4305 Table 1 + 2, tipping angle 4°.
9. The structures are calculated according to F.E.M. 1.001 – 1998 (prEN 13001 / T2 / 1997).

# Transport dimensions and weights

## Basic machine and boom (No. 1311.xx)



### Transport option

\*) Including pendants

### Basic machine

with HD undercarriage, boom foot (No. 1311.xx), A-frame, 2x 250 kN winches including wire ropes (90 m), without basic counterweight

Width	mm	3500
Weight	kg	58700

### Basic machine

with boom foot (No. 1311.xx), A-frame, 2x 250 kN winches including wire ropes (90 m), without basic counterweight and crawlers

Width	mm	3500
Weight	kg	39400

### Crawler

**2x**

Triple grouser track shoes	mm	800
Width	mm	915
Weight	kg	9650

### Boom section (No. 1311.xx)

**3 m**

Width	mm	1400
Weight*	kg	500

### Boom section (No. 1311.xx)

**6 m**

Width	mm	1400
Weight*	kg	800

### Boom section (No. 1311.xx)

**12 m**

Width	mm	1400
Weight*	kg	1260

### Boom head (No. 1311.xx)

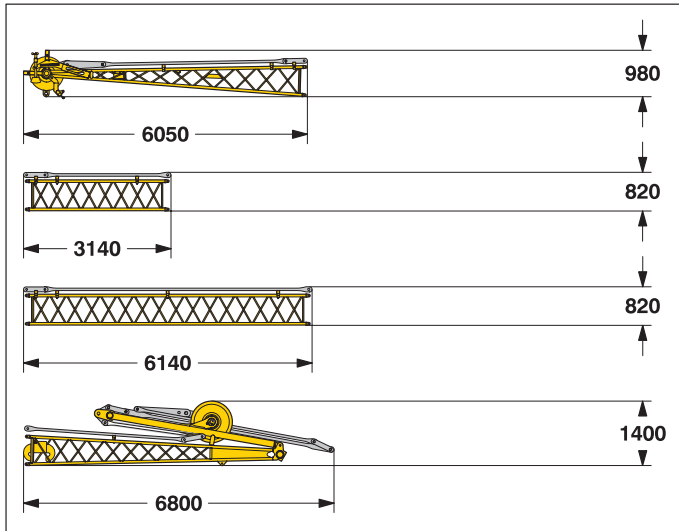
Width	mm	1400
Weight*	kg	1970

### Boom transport option

Length	mm	12140
Weight*	kg	5040

# Transport dimensions and weights

## Fixed jib (No. 0806.xx)



\*) Including pendants

### Fixed jib head (No. 0806.xx)

Width	mm	1140
Weight*	kg	445

### Fixed jib section (No. 0806.xx) **3 m**

Width	mm	950
Weight*	kg	110

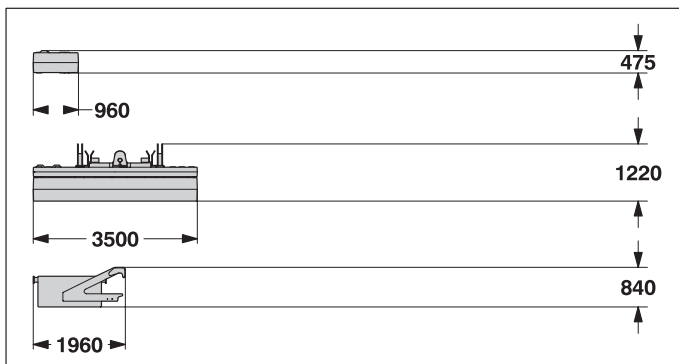
### Fixed jib section (No. 0806.xx) **6 m**

Width	mm	950
Weight*	kg	195

### Fixed jib foot with A-frame (No. 0806.xx)

Width	mm	1500
Weight*	kg	930

## Counterweight



### Counterweight **6x** optional **10x**

Width	mm	850
Weight	kg	1500

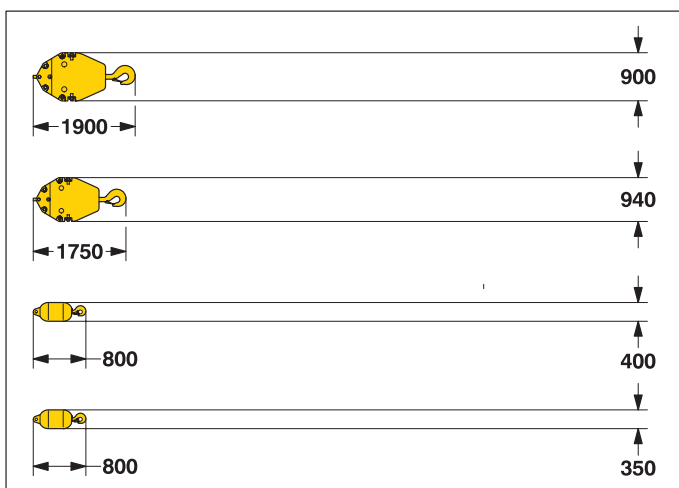
### Counterweight **1x**

Width	mm	1050
Weight	kg	17300

### Carbody counterweight optional **2x**

Width	mm	1640
Weight	kg	7500

## Hooks



### 50 t Hook block - 1 sheave

Width	mm	300
Weight	kg	750

### 40 t Hook block - 1 sheave

Width	mm	300
Weight	kg	515

### 25 t single hook

Width	mm	400
Weight	kg	400

### 20 t single hook

Width	mm	350
Weight	kg	300

# Technical description



## Engine

Power rating according to ISO 9249, 400 kW (544 hp) at 1900 rpm  
Engine type \_\_\_\_\_ Liebherr D 9408 TI-E  
Fuel tank \_\_\_\_\_ 800 l capacity with continuous level indicator and reserve warning  
Engine complies with NRMM exhaust certification EPA / CARB Tier 2 and 97/68 EC Stage II



## Hydraulic system

The main pumps are operated by a distributor gearbox. Axial piston displacement pumps work in closed and open circuits supplying oil only when needed (flow control on demand). To minimize peak pressure an automatically working pressure cut off is integrated. This spares pumps and saves energy. The hydraulic oil is cleaned through electronically controlled pressure and return filters.  
Possible contamination is signalled in the cabin. The use of synthetic environmentally friendly oils is possible.  
Ready made hydraulic retrofit kits are available to customize requirements e. g. powering casing oscillators, VM vibrators, hydraulic grabs, hanging leads etc.  
Working pressure \_\_\_\_\_ max. 350 bar  
Oil tank capacity \_\_\_\_\_ 820 l



## Boom winch

Line pull \_\_\_\_\_ max. 105 kN  
Rope diameter \_\_\_\_\_ 20 mm  
Boom up \_\_\_\_\_ 44 sec. from 15° to 86°



## Swing

Consists of rollerbearing with external teeth for lower tooth flank pressure, fixed axial piston hydraulic motor, spring loaded and hydraulically released multi-disc holding brake, planetary gearbox and pinion.  
Swing speed from 0 – 4.9 rpm continuously variable, selector for 3 speed ranges to increase swing precision.  
Option:  
Second swing drive



## Noise emission

Noise emissions correspond with 2000/14/EC directive on noise emission by equipment used outdoors.



## Main winches

Winch options:  
Line pull (nom. load) \_\_\_\_\_ 160 kN \_\_\_\_\_ 200 kN \_\_\_\_\_ 250 kN  
Rope diameter \_\_\_\_\_ 26 mm \_\_\_\_\_ 30 mm \_\_\_\_\_ 34 mm  
Drum diameter \_\_\_\_\_ 580 mm \_\_\_\_\_ 630 mm \_\_\_\_\_ 750 mm  
Rope speed m/min \_\_\_\_\_ 0-135 \_\_\_\_\_ 0-92 \_\_\_\_\_ 0-72  
Rope capacity 1st layer \_\_\_\_\_ 51.9 m \_\_\_\_\_ 46.5 m \_\_\_\_\_ 48.3m  
The winches are outstanding in their compact design and easy assembly. Clutch and braking functions on the free fall system are provided by a compact designed, low wear and maintenance free multi-disc brake. The drag and hoist winches use pressure controlled, variable flow hydraulic motors.  
This system features sensors that automatically adjust oil flow to provide max. winch speed depending on load.  
Option:  
Auxiliary winch \_\_\_\_\_ 70 kN in boom foot  
Tagline winch \_\_\_\_\_ 30 kN with free fall



## Crawlers

The track width of the undercarriage is changed hydraulically. Propulsion through axial piston motor, hydraulically released spring loaded multi-disc brake, maintenance free crawler tracks, hydraulic chain tensioning device.  
Flat or triple grouser track shoes 800 mm  
Drive speed \_\_\_\_\_ 0 – 1.34 km/h  
Option:  
● 2 speed hydraulic motor for higher travel speed  
● Self assembly system, jack up system

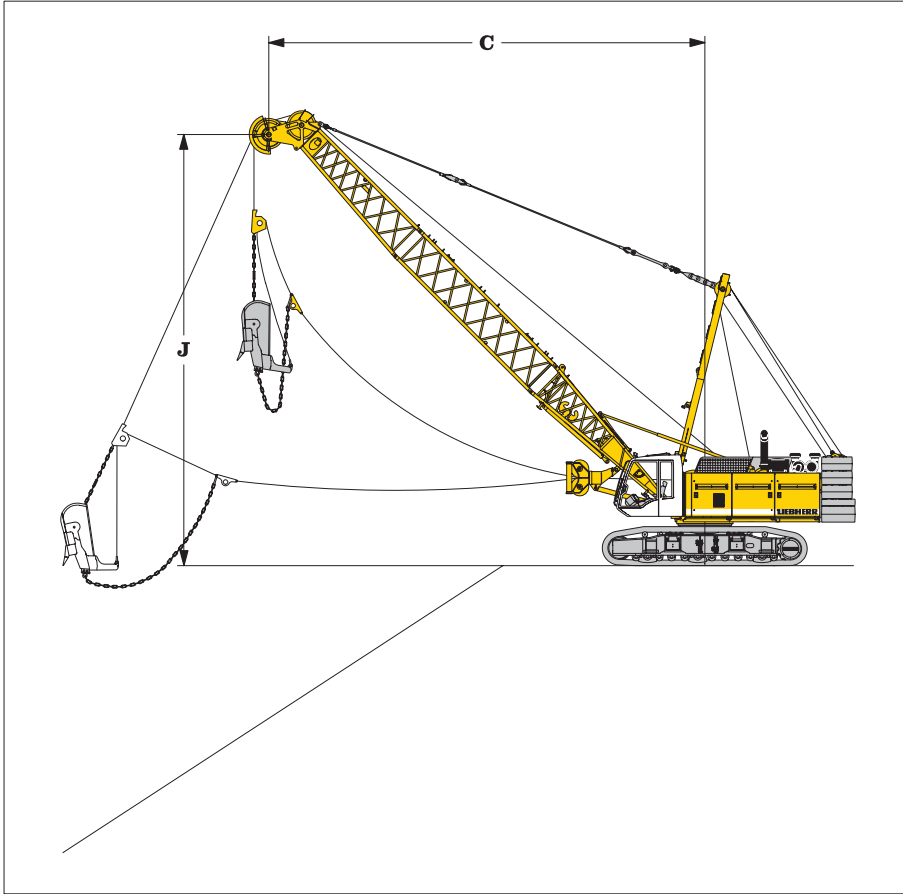


## Control

The control system – developed and manufactured by Liebherr – is designed to withstand extreme temperature changes and the rough heavy duty tasks common in the construction industry. Complete machine operating data are shown on a high resolution display. The crane is equipped with proportional control for all movements, which can be carried out simultaneously.  
Dragline operation: A special "Interlock" control system is an option available. It is designed for power lifting of the dragline bucket without using the drag winch brake.  
An additional option is the "Redundant Control System", which allows restricted operation of the machine in the event of a failure on the electronic base control or its sensors.  
On request, Liebherr also offers special custom designed control systems for free fall winches.  
Operation: Left joy stick for boom winch and swing, right two directional levers for winch I and II. Crawler control is actuated with the two central foot pedals. Additionally, hand levers can be attached to the pedals.  
Options:  
● Special demolition control system  
● MDE: Machine data recording  
● PDE: Process data recording  
● GSM modem

# Dragline equipment

## 26.3 t counterweight



### Working diagram

C = Radius / dumping radius  
 J = Height of boom head sheave centre above ground level

Capacities in metric tons for boom lengths (14 m – 29 m)

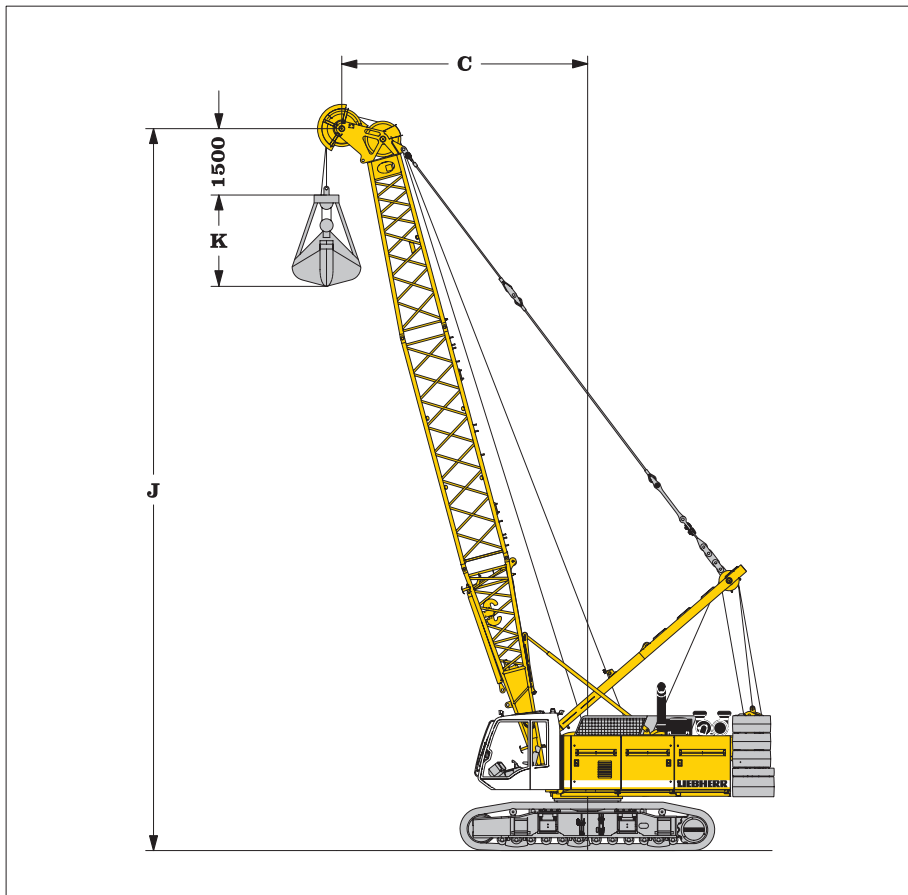
counterweight 26.3 t

$\alpha$	14 m			17 m			20 m			23 m			26 m			29 m		
	C	J	t	C	J	t	C	J	t	C	J	t	C	J	t	C	J	t
45	11.9	11.4	17.2	14.0	13.5	13.9	16.2	15.6	11.4	18.3	17.7	10.1	20.4	19.8	8.6	22.5	22.0	7.5
40	12.7	10.5	15.7	15.0	12.4	13.0	17.3	14.4	10.8	19.6	16.3	9.3	21.9	18.2	7.9	24.2	20.1	6.8
35	13.4	9.6	13.6	15.9	11.3	12.2	18.3	13.0	10.1	20.8	14.7	8.5	23.2	16.5	7.2	25.7	18.2	6.3
30	14.0	8.6	11.3	16.6	10.1	11.1	19.2	11.6	9.2	21.8	13.1	7.8	24.4	14.6	6.6	27.0	16.1	5.7
25	14.5	7.6	10.7	17.2	8.8	10.0	20.0	10.1	8.4	22.7	11.4	7.1	25.4	12.6	6.0	28.1	13.9	5.1

Max. capacities in metric tons do not exceed 75% of tipping load.

# Clamshell equipment

## 26.3 t counterweight



### Working diagram

- C = Radius / dumping radius
- J = Height of boom head sheave centre above ground level
- K = Length of clamshell (depending on type and capacity of bucket)

Capacities in metric tons for boom lengths (14 m – 29 m)

counterweight 26.3 t

$\alpha$	14 m			17 m			20 m			23 m			26 m			29 m		
	C m	J m	t	C m	J m	t	C m	J m	t	C m	J m	t	C m	J m	t	C m	J m	t
65	8.1	14.0	25.5	9.3	16.7	22.2	10.6	19.5	18.8	11.9	22.2	16.0	13.1	24.9	12.9	14.4	27.6	12.2
60	9.1	13.5	22.5	10.6	16.1	19.4	12.1	18.7	16.2	13.6	21.3	13.8	15.1	23.9	11.9	16.6	26.5	10.7
55	10.1	12.9	20.9	11.8	15.3	16.9	13.6	17.8	14.2	15.3	20.2	12.2	17.0	22.7	10.5	18.7	25.1	9.3
50	11.1	12.1	19.0	13.0	14.4	15.2	14.9	16.7	12.6	16.8	19.0	10.9	18.8	21.3	9.3	20.7	23.6	8.1
45	11.9	11.4	17.0	14.0	13.5	13.8	16.2	15.6	11.3	18.3	17.7	9.8	20.4	19.8	8.3	22.5	22.0	7.1
40	12.7	10.5	15.5	15.0	12.4	12.7	17.3	14.4	10.4	19.6	16.3	8.8	21.9	18.2	7.5	24.2	20.1	6.4
35	13.4	9.6	13.2	15.9	11.3	11.8	18.3	13.0	9.6	20.8	14.7	8.1	23.2	16.5	6.8	25.7	18.2	5.8
30	14.0	8.6	11.3	16.6	10.1	11.0	19.2	11.6	9.0	21.8	13.1	7.6	24.4	14.6	6.3	27.0	16.1	5.4
25	14.5	7.6	10.7	17.2	8.8	10.0	20.0	10.1	8.3	22.7	11.4	7.1	25.4	12.6	6.0	28.1	13.9	5.0

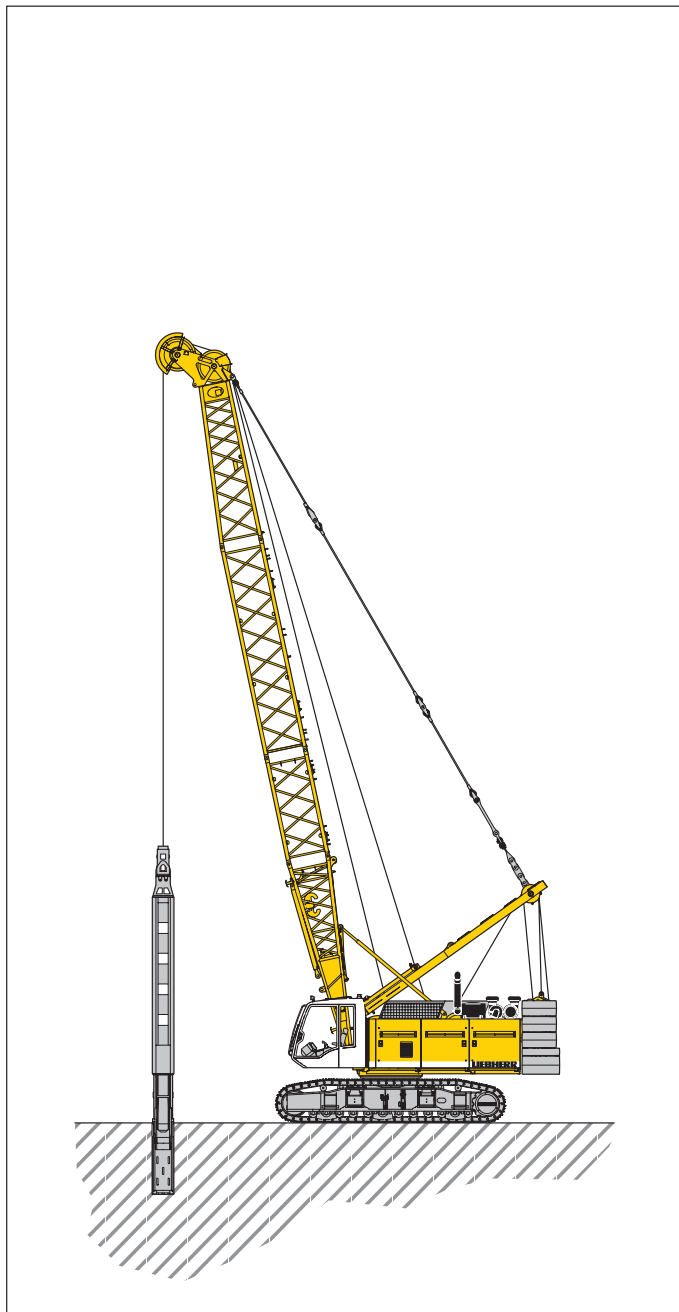
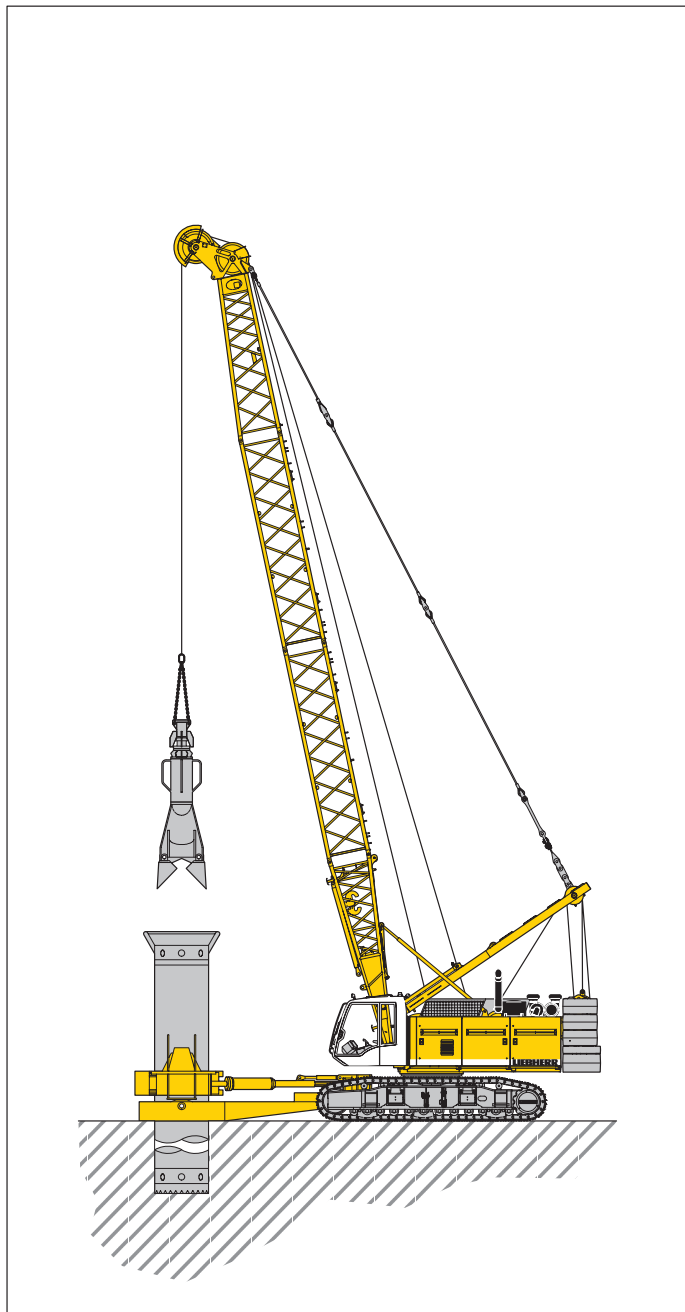
Max. capacities in metric tons do not exceed 66.7 % of tipping load.

Load diagram restricted by safety factors of standard ropes:

- Winches ————— 200 kN ——— 250 kN
- Rope diameter ————— 30 mm ——— 34 mm
- Min. breaking load ————— 820 kN ——— 1051 kN
- 1-rope clamshell ————— 14.8 t ——— 19.0 t
- 2-rope clamshell ————— 22.5 t ——— 25.5 t

# Equipment

## Casing oscillator and slurry wall grab



### Casing oscillator

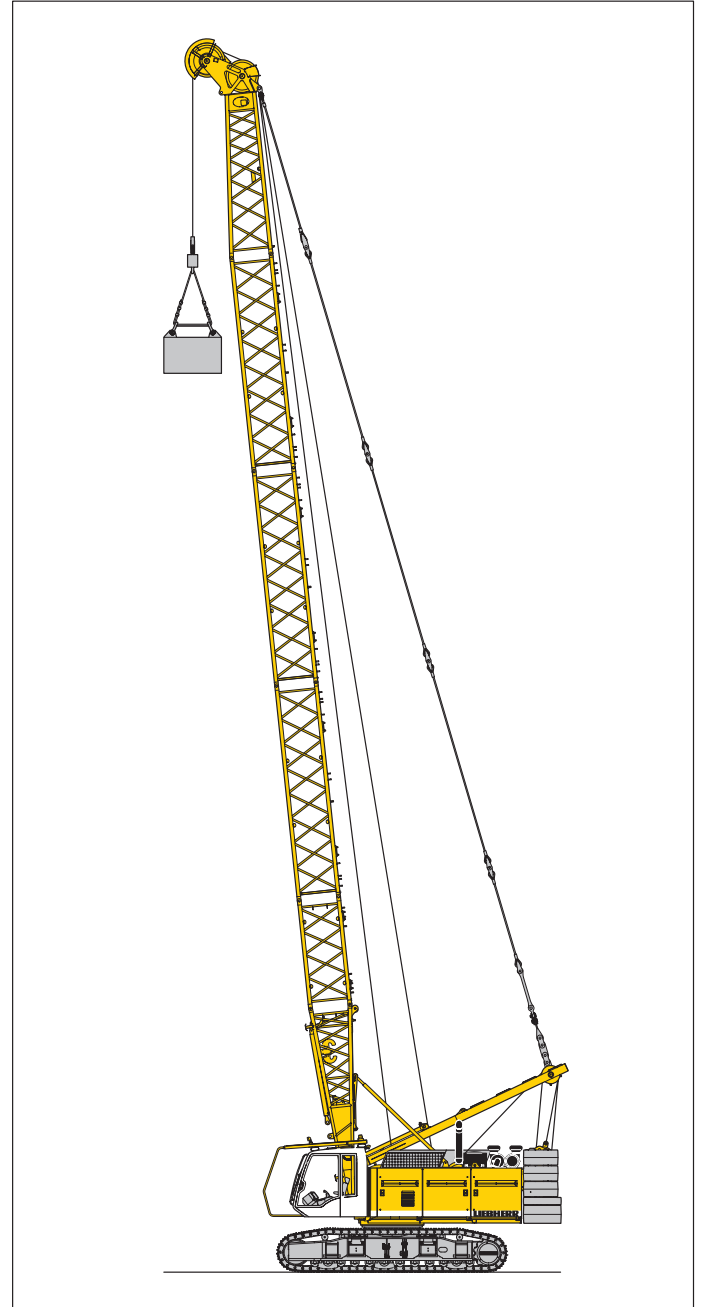
Winch options ————— 2 x 200 kN — 2 x 250 kN  
 Line speed 1st layer (m/min) ————— 0–92 ————— 0–72  
 Drilling diameter ————— 2000 mm — 2000 mm  
 Maximum allowable weight in  
 two rope operation ————— 22.5 t — 25.5 t

### Slurry wall grab

Winch options ————— 2 x 200 kN — 2 x 250 kN  
 Line speed 1st layer (m/min) ————— 0–92 ————— 0–72  
 Max. chisel weight ————— 12 t — 16 t  
 Maximum allowable weight in  
 two rope operation ————— 22.5 t — 25.5 t

# Equipment

## Dynamic soil compaction



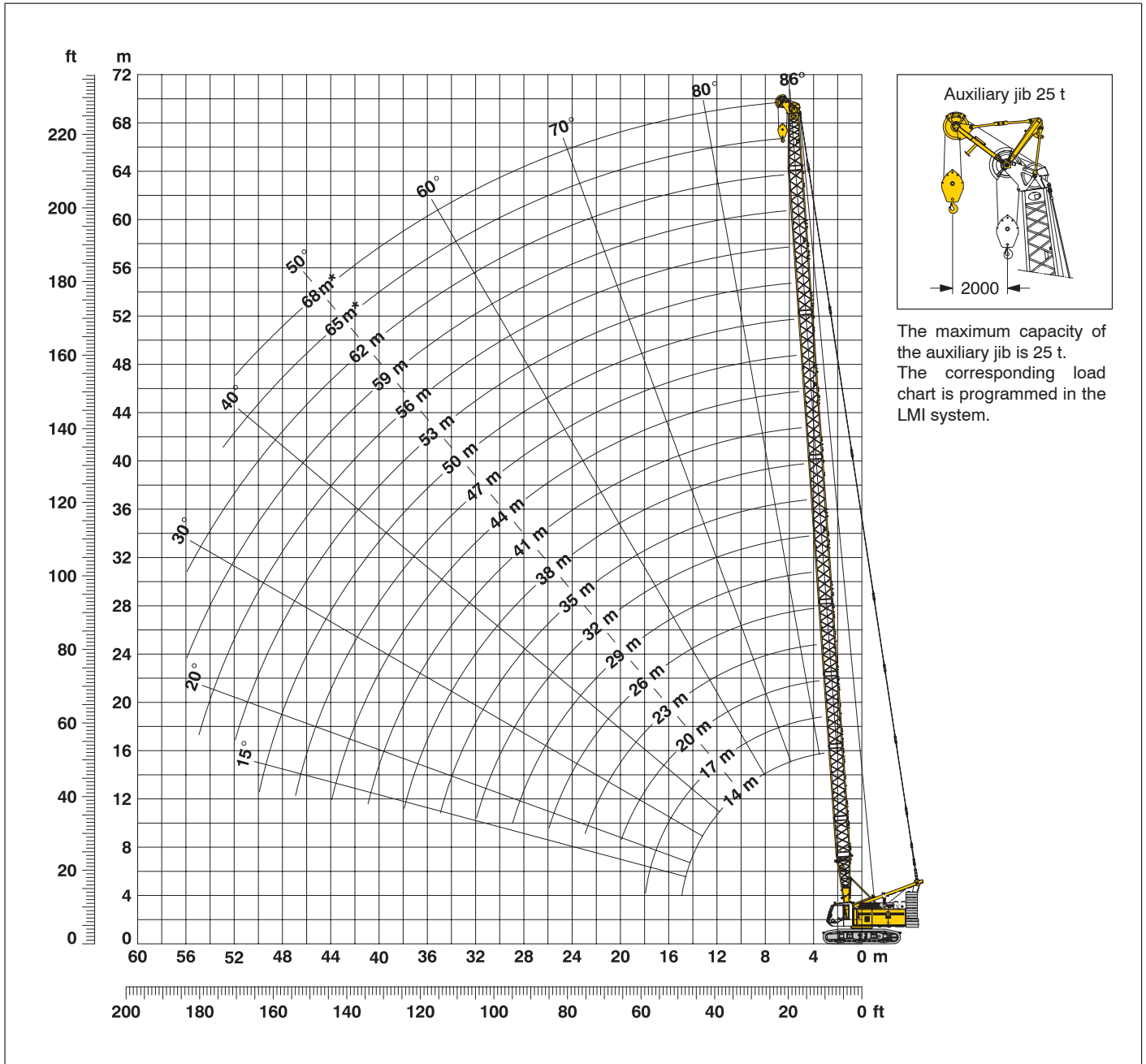
Capacities in metric tons for boom lengths (20 m – 32 m)

Radius in (m)	Boom length				
	20 m	23 m	26 m	29 m	32 m
	t	t	t	t	t
8.0	25	25	20	20	19
9.0	20	19	19	18	17

Max. capacities in metric tons do not exceed 75% of tipping load.  
 All loads given are max. values and must not be exceeded. They are only permitted in 2 rope automatic operation and are valid for work on a surface with max. inclination of 1 %. Lifting heights shall not exceed 25 m.

# Working range - main boom (No. 1311.xx) 86° - 15°

## 26.3 t counterweight



### Main boom configuration (Table 1 – No. 1311.xx)

Configuration for boom lengths (11 m – 68 m)

Configuration	Length	Amount of boom extensions																			
		11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65*	68*
Boom foot	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	3.0 m		3		1		1		1		1		1		1		1		1		1
Boom insert	6.0 m			1	1	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3	3
Boom insert	12.0 m									1	1	1	1	2	2	2	2	3	3	3	3
Boom head	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom length (m)		11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65*	68*

\* Additional counterweight allows self erection of boom up to 68 m.

# Lift chart for main boom (No. 1311.xx)

## 26.3 t counterweight

Capacities in metric tons for boom lengths (11 m – 62 m) – with 250 kN winches  
26.3 t counterweight

Radius	Boom length (m)																	Radius			
	11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59		62		
(m)	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t		
3.6			90.0																	3	
4	84.3	86.1	83.7	77.9																4	
5	72.4	68.0	64.0	60.5	57.2	54.3	51.6													5	
6	57.2	54.3	51.7	49.2	47.0	44.9	43.0	41.1	39.6	38.1										6	
7	46.8	45.1	43.2	41.4	39.7	38.2	36.7	35.3	34.2	32.9	31.7	30.4	28.2	24.9						7	
8	38.3	38.5	37.1	35.6	34.3	33.1	31.9	30.8	29.9	28.9	27.9	27.0	26.2	24.8	20.9					8	
9	32.3	32.5	32.4	31.2	30.2	29.1	28.1	27.2	26.5	25.7	24.9	24.1	23.4	22.6	20.5	18.3	15.4	13.4		9	
10	27.8	28.0	28.1	27.7	26.8	25.9	25.1	24.3	23.8	23.0	22.5	21.8	21.3	20.6	19.6	17.5	14.9	13.2		10	
11	24.3	24.5	24.6	24.6	24.1	23.3	22.7	22.0	21.6	21.0	20.3	19.7	19.3	18.7	18.2	16.9	14.3	12.6		11	
12	21.6	21.9	21.9	21.9	21.9	21.3	20.6	20.0	19.7	19.1	18.5	18.0	17.6	17.1	16.6	16.1	13.8	12.1		12	
13		19.6	19.7	19.6	19.6	19.4	18.9	18.3	18.0	17.5	17.0	16.5	16.2	15.7	15.3	14.8	13.2	11.6		13	
14		17.6	17.8	17.7	17.7	17.6	17.3	16.8	16.6	16.1	15.6	15.2	14.9	14.5	14.1	13.6	12.7	11.1		14	
16			14.8	14.8	14.7	14.6	14.6	14.4	14.2	13.8	13.4	13.0	12.8	12.4	12.1	11.7	11.5	10.4		16	
18			12.5	12.5	12.5	12.4	12.3	12.2	12.3	12.0	11.6	11.3	11.1	10.8	10.5	10.1	9.9	9.6		18	
20				10.7	10.7	10.7	10.6	10.5	10.6	10.5	10.2	9.9	9.8	9.4	9.1	8.8	8.7	8.4		20	
22					9.3	9.3	9.2	9.1	9.2	9.1	9.0	8.7	8.6	8.3	8.0	7.8	7.6	7.3		22	
24						8.1	8.0	7.9	8.1	7.9	7.8	7.7	7.7	7.4	7.1	6.8	6.7	6.5		24	
26						7.1	7.1	7.0	7.1	7.0	6.9	6.7	6.8	6.6	6.3	6.0	6.0	5.7		26	
28							6.3	6.2	6.3	6.2	6.1	5.9	6.0	5.9	5.6	5.4	5.3	5.0		28	
30								5.5	5.6	5.5	5.4	5.2	5.3	5.2	5.0	4.8	4.7	4.5		30	
32								4.8	5.0	4.9	4.8	4.6	4.7	4.6	4.4	4.2	4.2	3.9		32	
34									4.5	4.4	4.3	4.1	4.2	4.0	3.9	3.8	3.7	3.5		34	
36										3.9	3.8	3.7	3.7	3.6	3.5	3.3	3.3	3.1		36	
38										3.5	3.4	3.2	3.3	3.2	3.0	2.9	2.9	2.7		38	
40											3.0	2.9	2.9	2.8	2.7	2.5	2.5	2.4		40	
42												2.5	2.6	2.5	2.3	2.2	2.2	2.0		42	
44													2.2	2.3	2.2	2.0	1.9	1.9	1.8		44
46														2.0	1.9	1.8	1.6	1.6	1.5		46
50															1.4	1.3	1.1	1.1	1.0		50
52																1.0					52

Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

# Lift chart for main boom (No. 1311.xx)

## 32.3 t counterweight and 15 t carbody counterweight

Capacities in metric tons for boom lengths (11 m – 68 m) – with 250 kN winches  
32.3 t counterweight and 15 t carbody counterweight

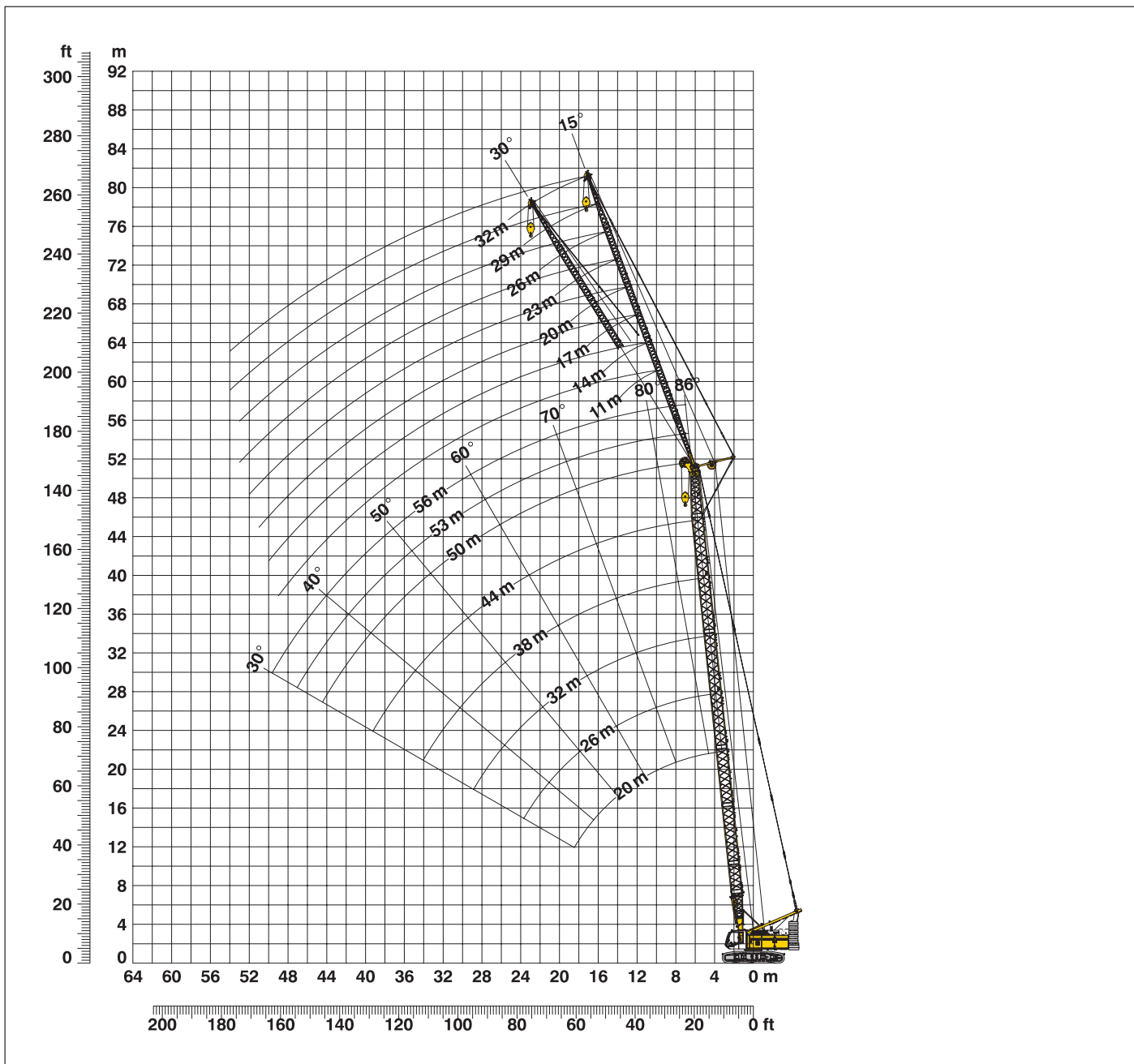
Radius	Boom length in (m)																	Radius	
	11	14	20	26	29	32	35	38	41	44	47	50	53	56	59	62	65		68
(m)	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
3	105.0*																		3
4	104.5*	103.7*	94.1*																4
5	89.9	84.4	75.1	67.6	64.3														5
6	71.2	67.6	61.5	56.2	53.8	51.4	49.6	45.1											6
7	58.5	56.3	51.8	47.9	46.1	44.4	42.8	41.3	36.1	30.4	28.2	24.9							7
8	48.0	48.2	44.7	41.6	40.2	38.8	37.7	36.4	34.2	29.7	27.6	24.8	21.9	18.3	15.4				8
9	40.6	40.8	39.2	36.7	35.5	34.4	33.6	32.4	31.4	28.8	26.5	23.7	21.2	18.3	15.4	13.4	11.7	10.5	9
10	35.1	35.2	34.9	32.8	31.8	30.8	30.2	29.3	28.3	26.5	25.4	22.9	19.6	17.5	14.9	13.2	11.7	10.5	10
12	27.2	27.5	27.6	26.9	26.2	25.4	25.0	24.3	23.6	22.9	22.5	21.0	18.1	16.2	13.8	12.1	10.8	9.9	12
14		22.3	22.4	22.3	22.1	21.5	21.2	20.6	20.1	19.0	19.2	18.7	17.0	15.1	12.7	11.1	10.0	9.3	14
16			18.8	18.7	18.6	18.5	18.3	17.8	17.3	16.9	16.6	16.2	15.6	14.1	12.1	10.4	9.3	8.7	16
18			16.0	15.9	15.8	15.7	15.8	15.6	15.2	14.8	14.6	14.2	13.8	13.1	11.6	10.0	8.9	8.2	18
20			13.9	13.8	13.7	13.6	13.7	13.6	13.4	13.0	12.9	12.5	12.2	11.9	11.2	9.6	8.5	7.9	20
22				12.1	12.0	11.9	12.0	11.9	11.8	11.6	11.5	11.2	10.9	10.5	10.4	9.3	8.3	7.6	22
24				10.7	10.6	10.5	10.6	10.5	10.4	10.2	10.3	10.0	9.7	9.4	9.3	8.8	8.0	7.4	24
26				9.5	9.4	9.3	9.5	9.3	9.2	9.1	9.1	9.0	8.7	8.4	8.3	8.1	7.4	7.0	26
28					8.4	8.3	8.5	8.3	8.2	8.1	8.1	8.0	7.9	7.6	7.5	7.2	6.9	6.5	28
30						7.5	7.6	7.5	7.4	7.2	7.3	7.2	7.0	6.9	6.8	6.5	6.3	6.0	30
32							6.7	6.9	6.8	6.6	6.5	6.6	6.4	6.3	6.2	6.1	5.9	5.7	32
34								6.2	6.1	6.0	5.9	5.9	5.8	5.7	5.5	5.5	5.3	5.1	34
36									5.5	5.4	5.3	5.4	5.2	5.1	5.0	5.0	4.8	4.6	36
38										5.0	4.9	4.8	4.9	4.7	4.6	4.5	4.5	4.3	38
40											4.5	4.3	4.4	4.3	4.1	4.0	3.9	3.7	40
42												3.9	4.0	3.9	3.7	3.6	3.6	3.5	42
44													3.5	3.6	3.5	3.4	3.2	3.2	44
46														3.3	3.1	3.0	2.9	2.9	46
48															2.8	2.7	2.6	2.6	48
50																2.5	2.4	2.3	50
55																	1.7	1.7	55
60																		1.0	60

Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

\*) With heavy duty boom head

# Working range - fixed jib (No. 0806.xx) 15° and 30°

Main boom 86°- 30°



## Boom configuration for boom lengths (11 m - 56 m) – see table 1 on page 10

### Fixed jib configuration for fixed jib lengths (11 m - 32 m)

	Length	Amount of fixed jib extensions							
		11	14	17	20	23	26	29	32
Fixed jib foot	5.5 m	1	1	1	1	1	1	1	1
Fixed jib insert	3.0 m		1		1		1		1
Fixed jib insert	6.0 m	0	0	1	1	2	2	3	3
Fixed jib head	5.5 m	1	1	1	1	1	1	1	1
Fixed jib length (m)		11	14	17	20	23	26	29	32

# Lift chart – fixed jib (No. 0806.xx)

Offset 15°

## Main boom 11 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
5.9	t	t	t	t
11	18.6	11.2		
14	16.5	9.9	6.2	
17	15.2	9.1	5.6	4.1
18	14.7	8.9	5.4	4.1
19	14.3	8.7	5.3	4.0
20	13.9	8.6	5.2	3.9
26		7.1	4.4	3.5
28		6.7	4.2	3.5
32			3.9	3.3
34			3.8	3.2
40				3.1

## Main boom 20 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
7.1	24.1	t	t	t
12	18.5	10.6		
15	17.0	9.6	6.1	
18	16.0	9.1	5.7	4.1
20	14.0	8.9	5.4	3.9
22	12.3	8.6	5.2	3.8
24	10.9	8.4	5.0	3.7
26	9.7	8.1	4.7	3.6
28	8.7	7.7	4.6	3.5
36		6.3	4.0	3.3
42			3.7	3.1
48				3.0

## Main boom 26 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
7.9	22.6	t	t	t
13	18.0	10.1		
16	16.6	9.3	5.9	
19	14.8	9.0	5.6	4.0
20	13.7	8.9	5.5	3.9
24	10.6	8.5	5.1	3.7
28	8.4	8.1	4.7	3.6
30	7.5	7.8	4.6	3.5
32	6.8	7.3	4.4	3.4
42		4.6	3.9	3.1
48			3.7	3.0
50				3.0

## Main boom 32 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
8.8	20.8	t	t	t
14	17.0	9.5		
17	16.0	9.0	5.8	
20	13.2	8.7	5.5	3.9
24	10.3	8.4	5.2	3.8
28	8.1	8.1	4.9	3.6
30	7.2	7.8	4.7	3.5
34	5.8	6.4	4.4	3.4
38	4.7	5.2	4.2	3.3
46		3.5	3.8	3.1
50			3.1	3.0
55				2.6

## Main boom 38 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
9.6	17.9	t	t	t
14	15.9	8.9		
17	14.8	8.6	5.7	
20	12.6	8.3	5.5	3.9
24	10.0	8.1	5.2	3.7
28	8.0	7.7	4.9	3.6
30	7.1	7.4	4.8	3.5
34	5.7	6.2	4.5	3.4
40	4.2	4.6	4.2	3.2
44	3.4	3.8	4.0	3.1
50		2.8	3.0	3.0
55			2.3	2.5

## Main boom 44 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
10.4	15.7	t	t	t
15	14.0	8.1		
18	12.8	7.9	5.4	
22	10.5	7.7	5.2	3.7
28	7.5	7.4	4.8	3.5
30	6.8	7.0	4.7	3.4
32	6.1	6.4	4.6	3.4
38	4.3	4.8	4.3	3.2
40	3.9	4.3	4.2	3.2
48	2.4	2.8	3.0	3.0
50		2.5	2.7	2.9
55			2.1	2.2

## Main boom 50 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
11.3	13.6	t	t	t
16	12.3	7.4		
19	11.1	7.2	5.1	
22	10.0	7.1	5.0	3.6
24	8.9	6.9	4.9	3.5
30	6.4	6.6	4.5	3.4
34	5.1	5.5	4.2	3.3
40	3.7	4.0	4.1	3.2
42	3.3	3.6	3.8	3.1
44	2.9	3.3	3.4	3.1
48	2.3	2.6	2.8	2.9
50		2.4	2.5	2.6

## Main boom 53 m

Radius (m)	Fixed jib length in (m)			
	11	17	20	23
11.7	12.4	t	t	t
15	11.4	8.3		
17	11.0	8.1	7.0	
18	10.7	8.0	6.9	6.0
20	10.0	7.9	6.8	5.9
24	8.6	7.4	6.6	5.8
30	6.1	6.4	6.0	4.9
34	4.9	5.1	5.2	4.5
40	3.5	3.7	3.8	3.9
44	2.8	3.0	3.1	3.2
48	2.1	2.3	2.4	2.5
50		2.1	2.1	2.2

## Main boom 56 m

Radius (m)	Fixed jib length in (m)			
	11	14	17	
12.1	11.0	t	t	t
14	10.6	9.3		
16	10.2	9.0	7.7	
18	9.9	8.7	7.6	
20	9.2	8.4	7.4	
26	7.4	7.2	6.7	
28	6.6	6.7	6.5	
30	5.8	6.0	6.1	
36	4.1	4.3	4.4	
40	3.3	3.4	3.5	
46	2.2	2.3	2.4	
48		2.0	2.1	

Capacities in metric tons with fixed jib (No. 0806.xx), 32.3 t counterweight + 15 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

# Lift chart – fixed jib (No. 0806.xx)

Offset 30°

## Main boom 11 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
8.5	t	t	t	t
15	17.6			
19	12.0	7.4		
20	10.3	6.4	4.7	
24	10.0	6.2	4.7	
26		5.5	4.2	3.4
28		5.3	4.1	3.2
30		5.1	3.9	3.1
32		4.9	3.8	3.0
36			3.6	2.8
38			3.5	2.6
42				2.6
42				2.5

## Main boom 20 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
9.7	t	t	t	t
17	17.0			
22	12.7	7.2		
26	11.0	6.3	4.6	
28	9.8	5.8	4.2	3.3
30	8.8	5.5	4.1	3.2
34		5.4	4.0	3.1
38		5.1	3.8	2.9
40		4.9	3.6	2.7
42			3.5	2.6
44			3.5	2.6
50			3.5	2.5
50				2.5

## Main boom 26 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
10.5	t	t	t	t
17	16.4			
22	13.5	7.3		
26	11.8	6.5	4.6	
28	9.6	6.0	4.3	3.3
30	8.6	5.8	4.2	3.2
32	7.7	5.6	4.1	3.1
34	6.9	5.4	4.0	3.0
38	6.2	5.3	3.9	3.0
42		4.7	3.6	2.7
48			3.5	2.5
50				2.5
55				2.5

## Main boom 32 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
11.4	t	t	t	t
18	15.7			
22	13.5	7.1		
28	12.1	6.7	4.6	
30	8.3	6.0	4.3	3.2
32	7.4	5.8	4.2	3.1
34	6.7	5.6	4.1	3.1
36	6.0	5.5	4.0	3.0
38	5.4	5.3	3.9	2.9
48	4.8	5.2	3.8	2.8
50		3.3	3.5	2.6
60			3.3	2.5
60				2.1

## Main boom 38 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
12.2	t	t	t	t
19	14.7			
24	12.8	6.8		
28	10.4	6.4	4.3	
30	8.2	6.1	4.2	3.2
34	7.4	5.9	4.2	3.1
36	5.9	5.6	4.0	3.0
40	5.3	5.5	3.9	2.9
44	4.3	4.9	3.8	2.8
50	3.4	4.0	3.7	2.7
55		2.9	3.2	2.6
60			2.5	2.5
60				2.1

## Main boom 44 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
13	t	t	t	t
20	13.4			
24	11.6	5.9		
28	9.8	5.8	3.9	
30	7.8	5.7	3.9	3.2
32	7.0	5.7	3.9	3.1
36	5.0	5.4	3.8	2.9
38	4.5	5.1	3.8	2.9
40	4.0	4.6	3.8	2.8
46	2.8	3.4	3.7	2.7
48	2.5	3.0	3.3	2.6
50		2.7	3.0	2.6
55			2.2	2.5

## Main boom 50 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
13.9	t	t	t	t
22	11.9			
26	9.7	5.2		
30	8.3	5.1	3.4	
34	6.7	4.9	3.4	2.9
36	5.4	4.7	3.4	2.6
38	4.9	4.7	3.4	2.5
40	4.4	4.6	3.4	2.5
44	3.9	4.4	3.4	2.5
46	3.1	3.6	3.4	2.5
50	2.7	3.2	3.4	2.5
55	2.0	2.6	2.8	2.5
55			2.1	2.3

## Main boom 53 m

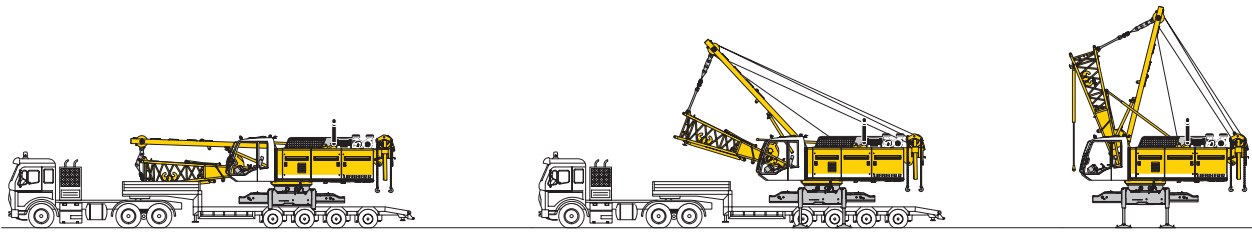
Radius (m)	Fixed jib length in (m)			
	11	17	20	23
14.3	t	t	t	t
19	10.6			
22	9.7	6.1		
24	9.0	5.7	4.8	
28	8.5	5.5	4.7	3.9
30	7.2	5.3	4.5	3.9
34	6.4	5.2	4.5	3.8
38	5.2	5.0	4.5	3.7
40	4.1	4.5	4.3	3.7
44	3.7	4.0	4.2	3.6
48	2.9	3.2	3.4	3.5
50	2.2	2.6	2.7	2.8
50		2.3	2.4	2.5

## Main boom 56 m

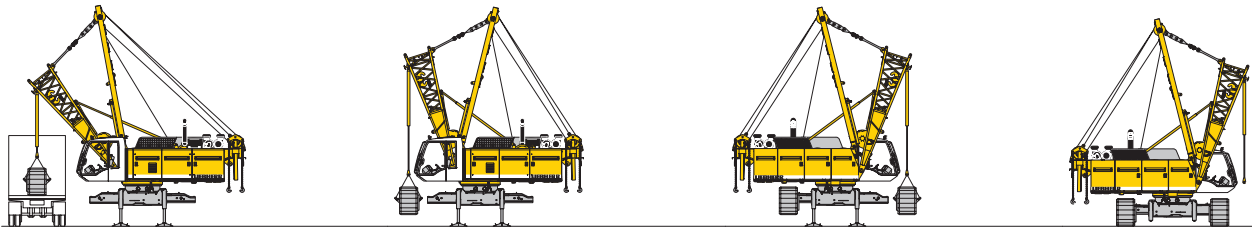
Radius (m)	Fixed jib length in (m)			
	11	14	17	
14.7	t	t	t	
17	9.7			
19	9.3	8.0		
20	9.0	7.8	6.9	
26	8.8	7.7	6.9	
30	7.5	6.9	6.4	
36	6.2	6.3	5.9	
40	4.4	4.6	4.8	
44	3.5	3.6	3.8	
46	2.7	2.9	3.0	
48	2.4	2.5	2.7	
50	2.0	2.2	2.4	
50			2.1	

Capacities in metric tons with fixed jib (No. 0806.xx), 32.3 t counterweight + 15 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

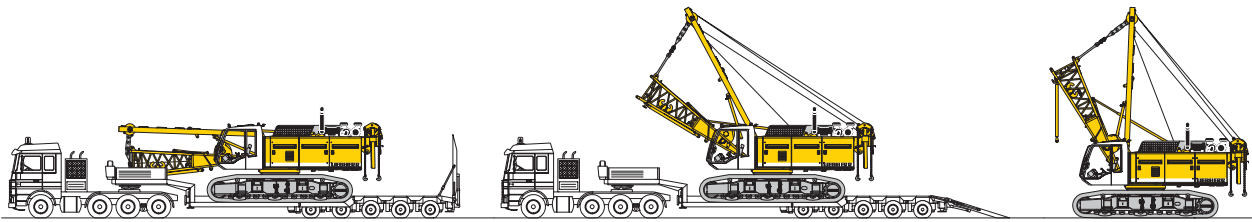
# Self assembly system



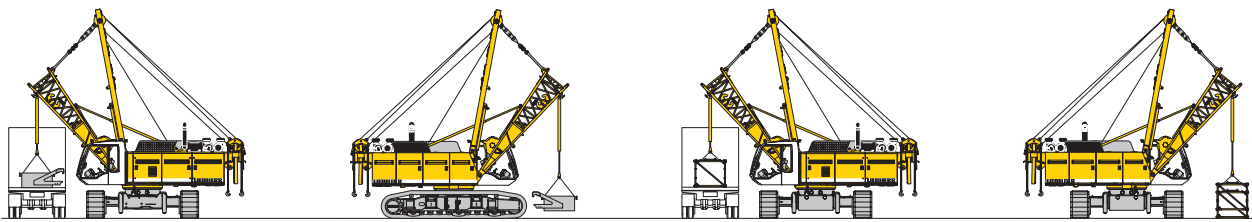
Unloading of basic machine (option)



Unloading and assembly of crawlers

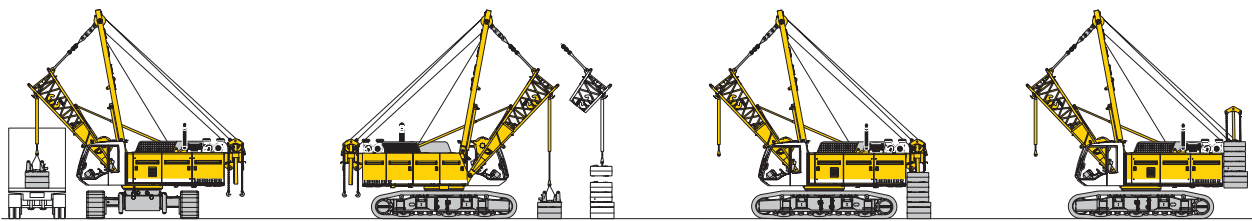


Unloading of basic machine (standard)

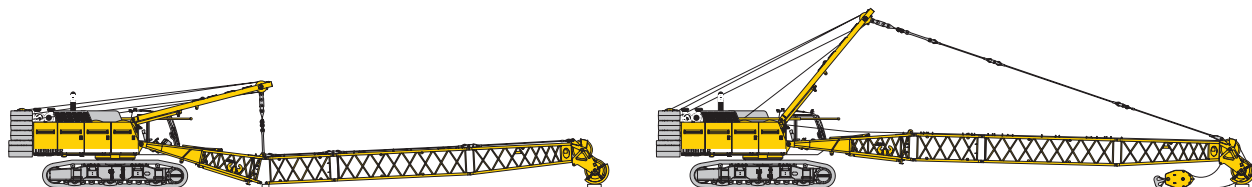


Unloading and assembly of carbody counterweight

Unloading and assembly of boom



Unloading and assembly of counterweight



Assembly of boom and reeving of hoist ropes