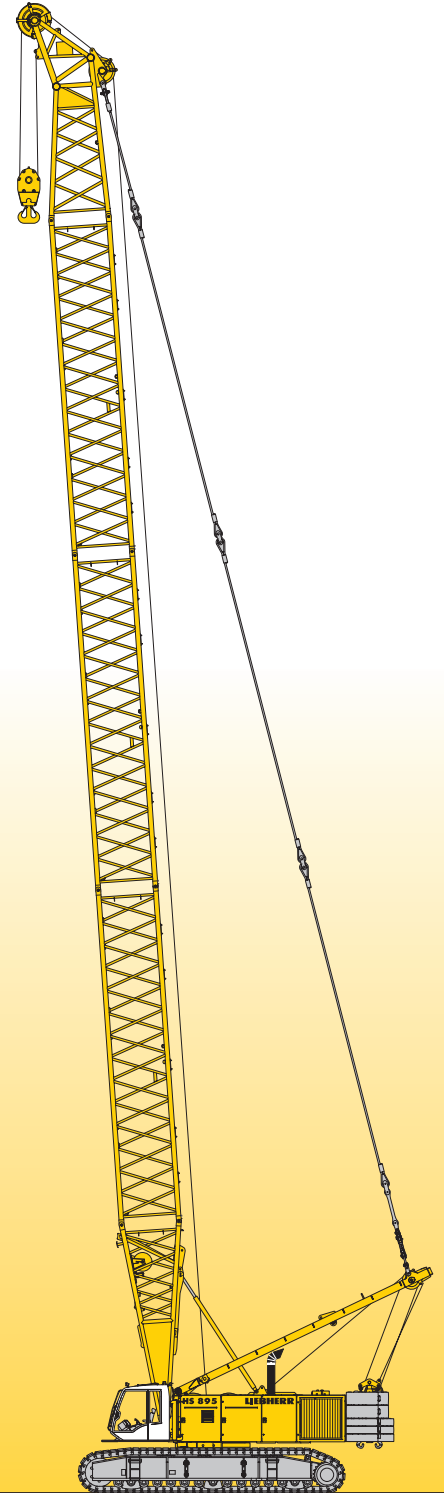


Technical Data
Hydraulic crawler crane

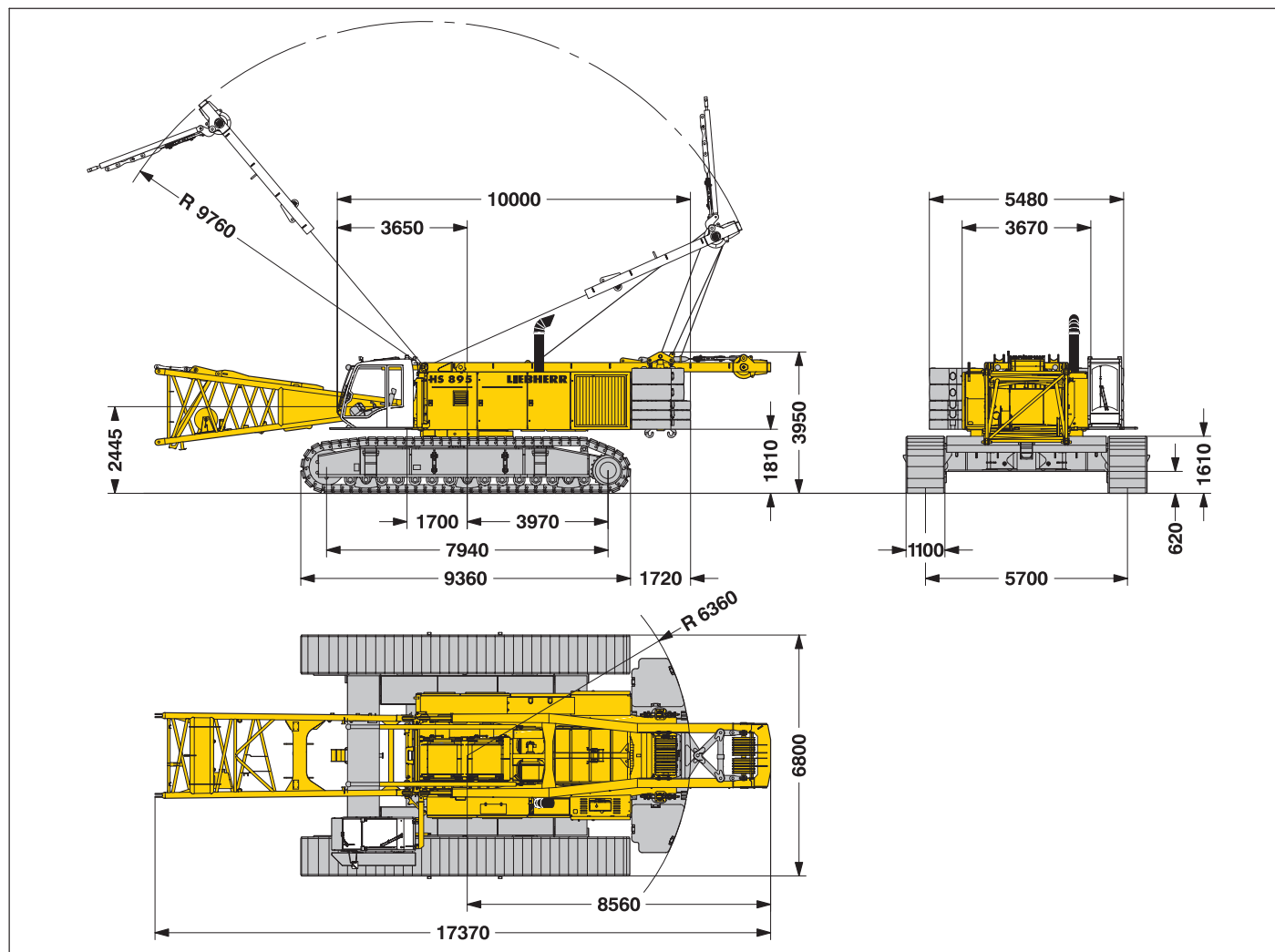
HS 895 HD
Litronic®



LIEBHERR

Dimensions

Basic machine with undercarriage



Operating weight

The operating weight includes the basic machine with HD undercarriage, 2 main winches 350 kN including wire ropes (150 m) and 20 m boom, consisting of A-frame, boom foot (7 m), boom head (7 m), boom section (6 m), 55.1 t basic counterweight, 1100 mm flat track shoes and 50 t hook block.

Total weight _____ approx. 169.2 t

Ground pressure

Ground bearing pressure _____ 0.97 kg/cm²

Equipment

Main boom (No. 2220.xx) max. length _____ 84.2 m
Fixed jib (No. 0806.xx) _____ 11 m – 32 m
Modular designed equipment for operation as crane, with dragline or clamshell.

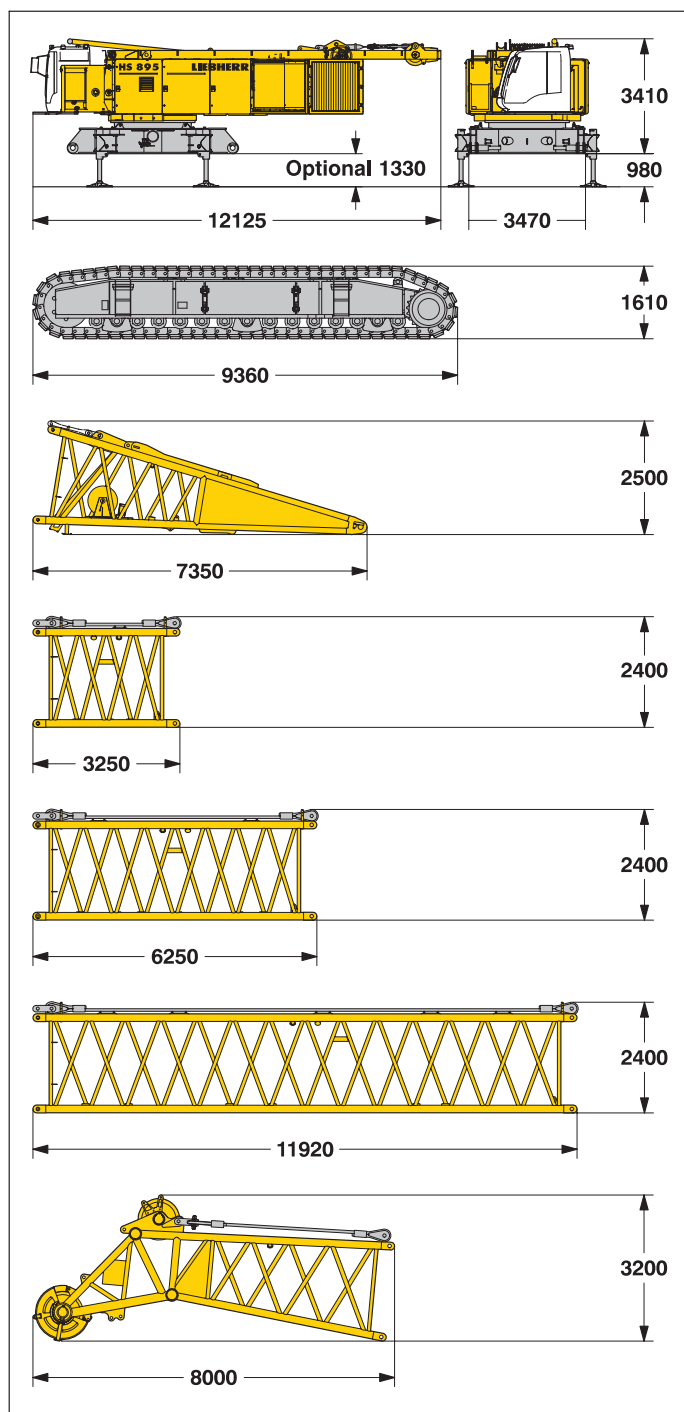
For dragline operation, a rotating fairlead is fitted into the boom foot. This minimizes the rope angle to drum, which results in lower rope wear.

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 (EN 13001–2 / 2004).

Transport dimensions and weights

Basic machine and boom (No. 2220.xx)



*) Including pendant ropes

Basic machine

with A-frame, 2x 350 kN winches including wire ropes (150 m), without crawlers, boom foot, basic and carbody counterweight.

Width	mm	3500
Weight	kg	55000

Crawler

2x

Flat track shoes	mm	1100
Width	mm	1200
Weight	kg	25000

Boom foot (No. 2220.xx)

Width	mm	2420
Weight*	kg	5620

Boom section (No. 2220.xx)

3 m

Width	mm	2420
Weight*	kg	1130

Boom section (No. 2220.xx)

6 m

Width	mm	2420
Weight*	kg	1875

Boom section (No. 2220.xx)

11.7 m

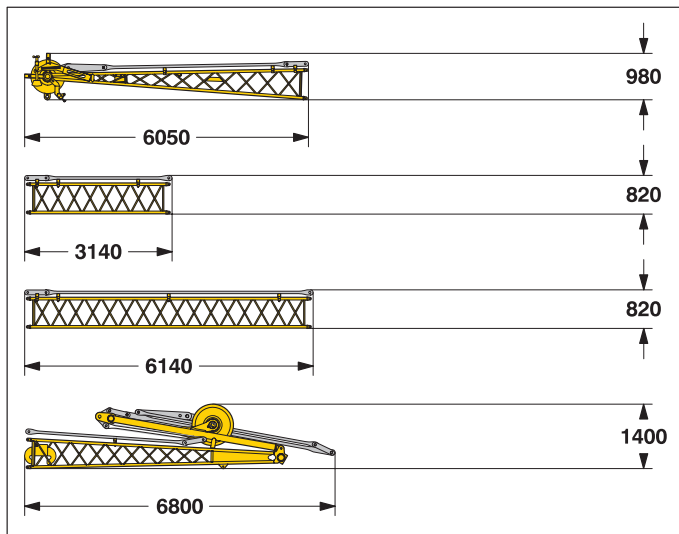
Width	mm	2420
Weight*	kg	2885

Boom head (No. 2220.xx)

Width	mm	2420
Weight*	kg	4690

Transport dimensions

Fixed jib (No. 0806.xx)



*) Including pendant straps

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

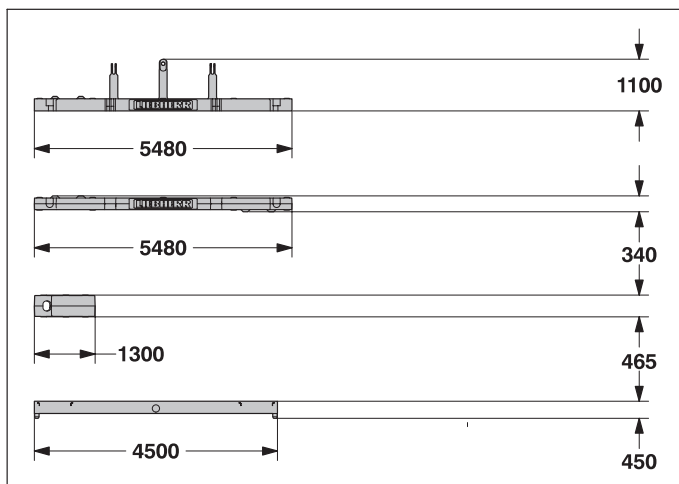
Fixed jib section (No. 0806.xx) **6 m**

Width	mm	950
Weight*	kg	195

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

Width	mm	1500
Weight*	kg	930

Counterweight



Counterweight **1x**

Width	mm	1660
Weight	kg	13300

Counterweight **2x**

Width	mm	1660
Weight	kg	10600

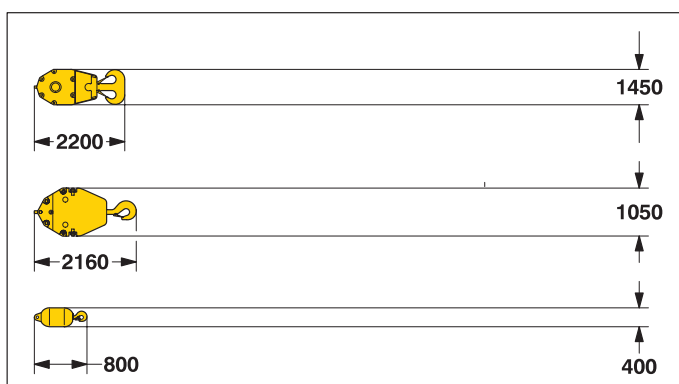
Counterweight 4x optional **8x**

Width	mm	1360
Weight	kg	5100

Carbody counterweight optional **2x**

Width	mm	900
Weight	kg	13500

Hooks



120 t hook block - 2 sheaves

Width	mm	320
Weight	kg	1400

60 t hook block - 1 sheave

Width	mm	300
Weight	kg	970

30 t single hook

Width	mm	400
Weight	kg	400

Technical description



Engine

Power rating according to ISO 3046 IFN, 670 kW (898 hp) at 1900 rpm
Engine type _____ MAN D 2842 LE
Fuel tank _____ 1000 l capacity with continuous level indicator
_____ and reserve warning
Engine complies with NRMM exhaust certification EPA / CARB Tier 2.



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 signaled 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 _____ 1100 l



Boom winch

Line pull _____ max. 150 kN
Rope diameter _____ 24 mm
Boom up _____ 137 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 – 3.6 rpm continuously variable, selector for 3 speed ranges to increase swing precision.
Standard:
Second swing drive
Optional:
Third 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) _____ 350 kN
Rope diameter _____ 36 mm
Drum diameter _____ 830 mm
Rope speed (m/min) _____ 0–77
With change gear box (m/min) _____ 0–157
Rope capacity 1st layer _____ 54.7 m
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:
Crane winch (main winch) — 150 kN with multi-disc holding brake
Auxiliary winch _____ 70 kN in boom foot
Tagline winch _____ 70 kN with free fall
_____ 30 kN with free fall



Crawlers

Propulsion through axial piston motor, hydraulically released spring loaded multi-disc brake, maintenance free crawler tracks, hydraulic chain tensioning device.
Flat track shoes _____ 1100 mm
Drive speed _____ 0 – 1.4 km/h
Option:
● 2 speed hydraulic motor for higher travel speed
● Self assembly system, jack up system

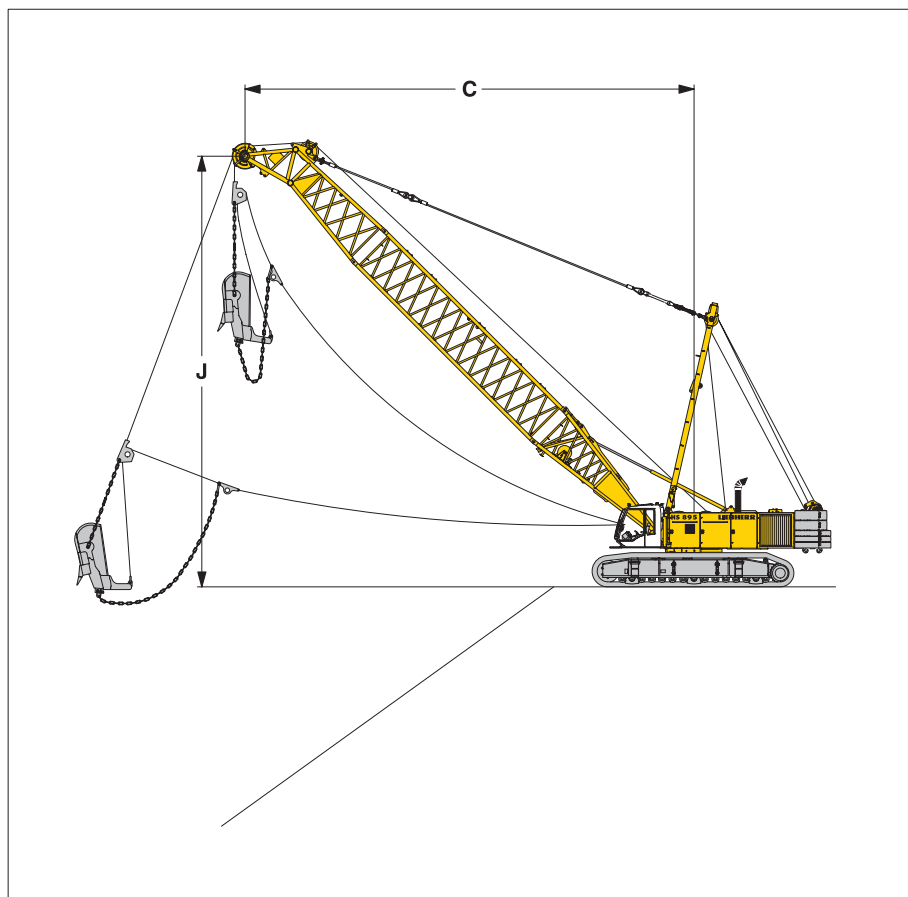


Control

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.
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

55.1 t counterweight



Working diagram

C = Radius / dumping radius

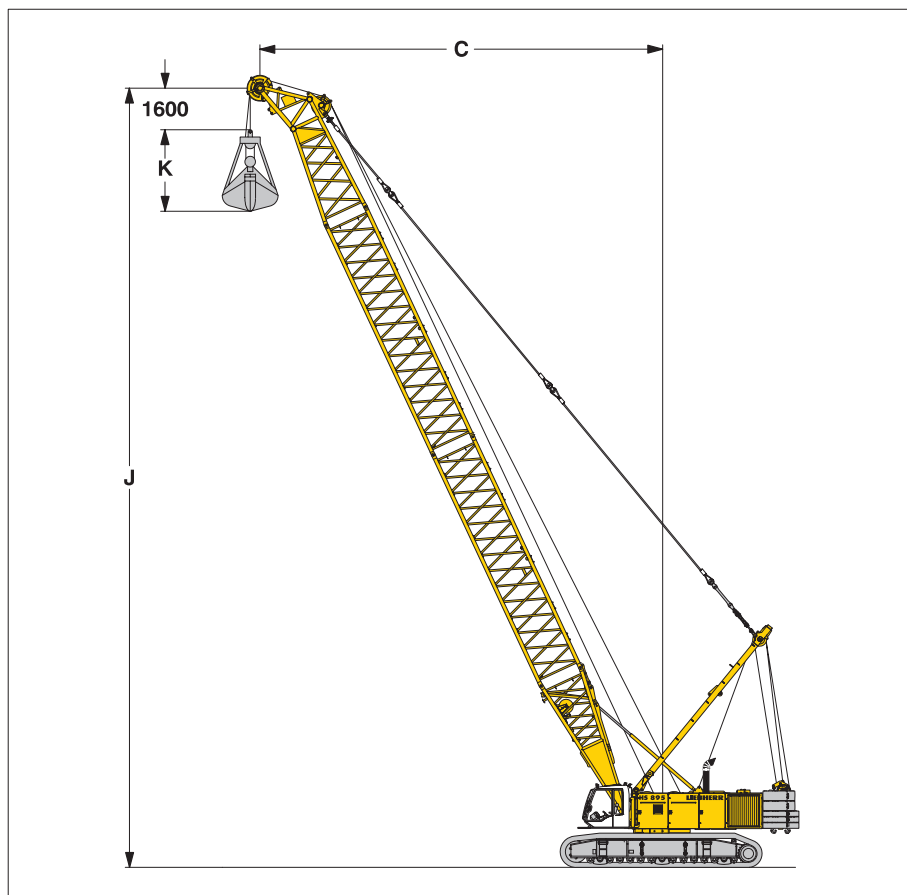
J = Height of boom head sheave centre above ground level

Capacities in metric tons for boom lengths (25.7 m – 55.1 m)													counterweight 55.1 t					
α	25.7 m			31.7 m			37.4 m			43.4 m			49.1 m			55.1 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
45	21.1	19.7	29.2	25.3	24.0	22.4	29.3	28.0	18.1	33.6	32.3	14.3	37.6	36.3	11.6	41.8	40.5	9.2
40	22.5	18.2	26.6	27.1	22.0	20.3	31.5	25.7	16.3	36.1	29.5	12.8	40.4	33.2	10.2	45.0	37.1	7.8
35	23.8	16.5	24.6	28.7	19.9	18.7	33.4	23.2	14.8	38.3	26.6	11.6	43.0	29.9	9.2	47.9	33.3	6.8
30	24.9	14.7	23.0	30.1	17.7	17.4	35.0	20.5	13.7	40.2	23.5	10.6	45.2	26.4	8.3	50.4	29.4	6.0
25	25.9	12.8	21.3	31.3	15.3	16.2	36.5	17.7	12.5	41.9	20.2	9.6	47.1	22.6	7.3	52.5	25.2	5.2

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

Clamshell equipment

55.1 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 (25.7 m – 55.1 m)															counterweight 55.1 t			
	25.7 m			31.7 m			37.4 m			43.4 m			49.1 m			55.1 m		
α	C	J		C	J		C	J		C	J		C	J		C	J	
	m	m	t	m	m	t	m	m	t	m	m	t	m	m	t	m	m	t
65	14.0	24.7	32.5	16.5	30.1	32.5	18.9	35.3	29.5	21.4	40.7	24.5	23.8	45.9	20.9	26.4	51.3	17.6
60	15.9	23.7	32.5	18.9	28.9	29.7	21.8	33.8	24.3	24.8	39.0	20.0	27.6	43.9	16.9	30.6	49.1	14.0
55	17.7	22.5	32.4	21.2	27.4	25.4	24.5	32.1	20.6	27.9	37.0	16.8	31.2	41.7	13.9	34.6	46.6	11.4
50	19.5	21.2	28.6	23.3	25.8	22.2	27.0	30.2	17.9	30.8	34.8	14.4	34.5	39.1	11.8	38.4	43.7	9.5
45	21.1	19.7	25.7	25.3	24.0	19.8	29.3	28.0	15.9	33.6	32.3	12.6	37.6	36.3	10.3	41.8	40.5	8.2
40	22.5	18.2	23.4	27.1	22.0	17.9	31.5	25.7	14.3	36.1	29.5	11.2	40.4	33.2	9.0	45.0	37.1	7.1
35	23.8	16.5	21.7	28.7	19.9	16.5	33.4	23.2	13.0	38.3	26.6	10.2	43.0	29.9	8.1	47.9	33.3	6.2
30	24.9	14.7	20.2	30.1	17.7	15.3	35.0	20.5	12.0	40.2	23.5	9.3	45.2	26.4	7.4	50.4	29.4	5.5
25	25.9	12.8	18.8	31.3	15.3	14.1	36.5	17.7	10.9	41.9	20.2	8.4	47.1	22.6	6.7	52.5	25.2	4.8

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

Load diagram restricted by safety factors of standard ropes:

Winches ————— 350 kN

Rope diameter ————— 36 mm

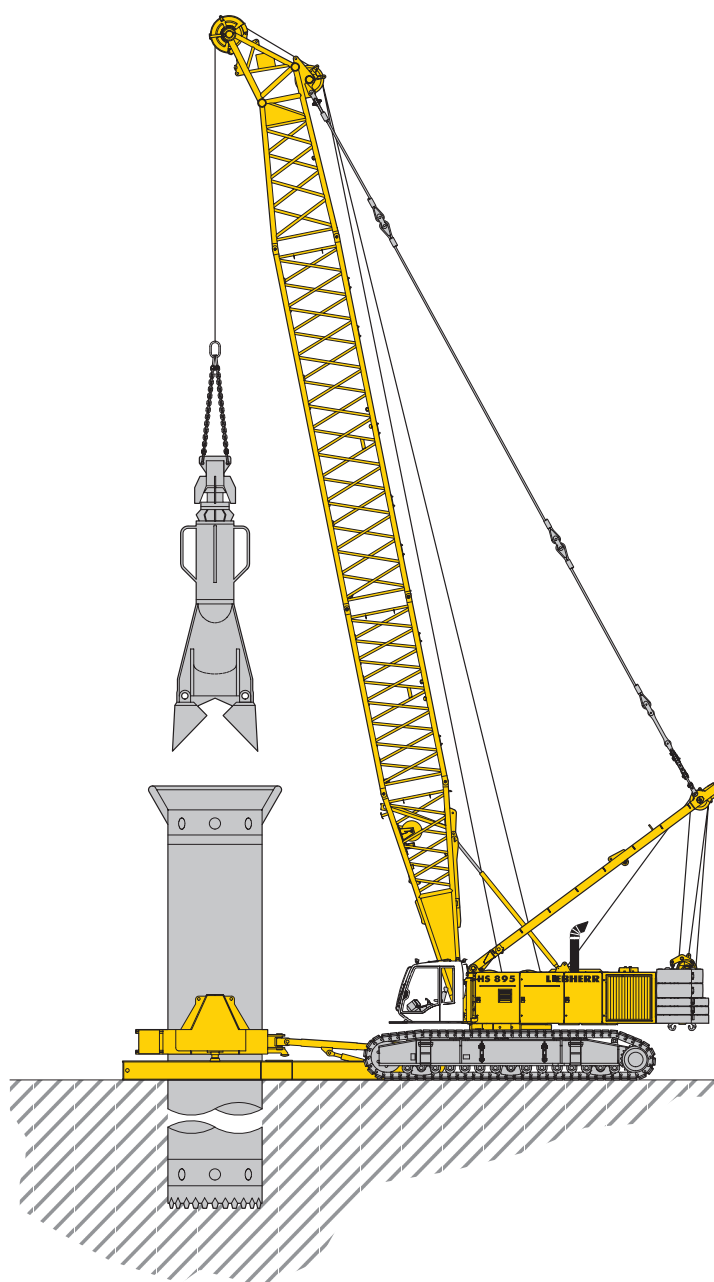
Min. breaking load — 1159 kN

1-rope clamshell — 23.5 t

2-rope clamshell — 31.3 t

Equipment

Casing oscillator



Winch options	2 x 350 kN
Line pull 2 x	600 kN
Max. rope speed 1st layer	0–77 m/min
(with change gear box)	0–157 m/min
Drilling diameter	3300 mm
Max. chisel weight	18 t
Max. capacity with boom position in longitudinal direction of undercarriage with 31.7 m main boom at 10 m radius (75% tipping load)	76.6 t

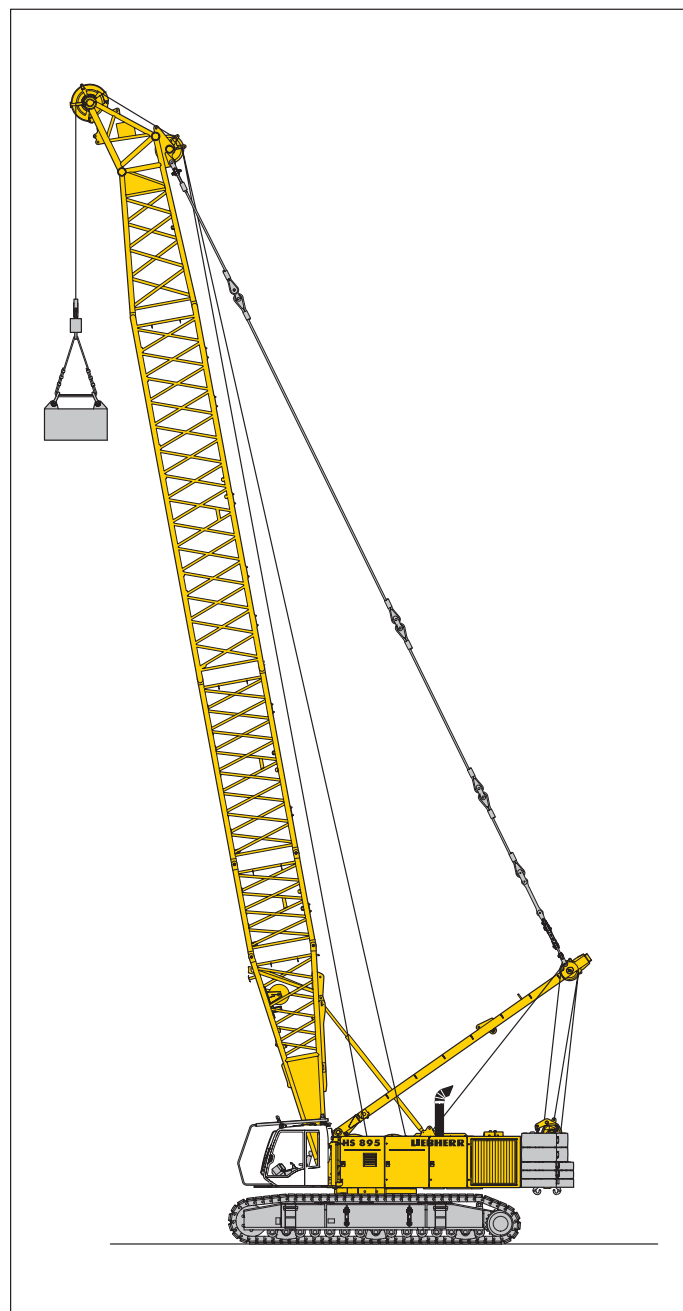
Free fall winches with maintenance free, spring loaded multi disc brake working in an oil bath. Simultaneous working of both winches is assured through our hydraulic system.

Hydraulic supply for casing oscillator
 $q = 2 \times 400 \text{ l/min.}$
 $P = 300 \text{ bar max.}$

Mechanical connection casing oscillator on undercarriage. Automatic operation for one and two rope grabs (optional). During the drilling process the engine power can be freely divided between casing oscillator and hoisting winches as required.

Equipment

Dynamic soil compaction



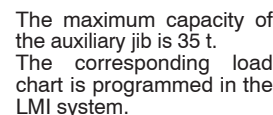
Capacities in metric tons for boom lengths (25.7 m – 43.4 m)

Radius (m)	Boom length			
	25.7 m	31.7 m	37.4 m	43.4 m
	t	t	t	t
9.0	40	40	40	38
10.0	40	38	36	34
11.0	35	35	32	31
12.0	32	32	30	28

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 two rope automatic operation and are valid for work on a surface with max. inclination of 1 %. Lifting heights shall not exceed 30 m.

75.3 t counterweight and 27 t carbody counterweight



Main boom configuration (table 1 – No. 2220.xx)

Configuration for boom lengths (20 m – 84.2 m)

	Length	Amount of boom extensions																							
Boom foot	7.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boom extension	3.0 m		1		1		1		1		1		1		1		1		1		1		1		
Boom extension	6.0 m	1	1			1	1			1	1			1	1			1	1			1	1		
Boom extension	11.7 m			1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	
Boom head	7.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boom length in (m)		20	23	25.7	28.7	31.7	34.7	37.4	40.4	43.4	46.4	49.1	52.1	55.1	58.1	60.8	63.8	66.8	69.8	72.5	75.5	78.5	81.5	84.2	

Lift chart for main boom (No. 2220.xx)

55.1 t counterweight

Capacities in metric tons for boom lengths (20 m – 75.5 m) – with 350 kN winches

Radius	Boom length in (m)										
	20	25.7	31.7	37.4	43.4	49.1	55.1	60.8	66.8	72.5	75.5
(m)	t	t	t	t	t	t	t	t	t	t	t
4.2	180.6										
5	167.9	172.1	162.1								
6	155.6	146.5	133.7	123.3	113.4						
7	132.5	122.5	113.1	105.4	98.1	91.9	85.6	80.1			
8	112.5	105.0	97.8	91.8	86.0	81.0	76.2	71.6	67.5	57.7	
9	97.6	91.8	86.0	81.2	76.4	72.3	68.2	64.7	60.8	57.4	52.4
10	86.1	81.4	76.6	72.6	68.6	65.1	61.6	58.5	55.1	52.4	50.8
12	67.9	66.1	62.6	59.7	56.7	54.0	51.3	48.9	46.5	44.0	42.8
14	54.6	54.7	52.7	50.4	48.0	45.8	43.6	41.7	39.6	37.8	36.5
16	45.3	45.5	45.2	43.4	41.3	39.6	37.7	36.0	34.2	32.7	31.8
18	38.4	38.7	38.4	37.9	36.1	34.6	32.9	31.5	29.9	28.5	27.8
20	33.1	33.4	33.2	32.9	31.9	30.6	29.1	27.8	26.4	25.1	24.4
22		29.3	29.0	28.8	28.4	27.2	25.9	24.7	23.4	22.2	21.6
24		25.8	25.6	25.4	25.0	24.4	23.2	22.1	20.8	19.8	19.1
26		22.9	22.8	22.6	22.2	21.8	20.8	19.8	18.7	17.6	17.1
28			20.4	20.3	19.8	19.5	18.8	17.9	16.8	15.8	15.2
30			18.4	18.3	17.8	17.5	17.0	16.1	15.1	14.2	13.6
32			16.6	16.5	16.1	15.7	15.2	14.6	13.6	12.7	12.2
34				14.9	14.5	14.2	13.7	13.3	12.3	11.4	10.9
36				13.6	13.2	12.9	12.4	11.9	11.1	10.3	9.8
38				12.3	12.0	11.7	11.2	10.8	10.0	9.2	8.8
40					10.9	10.6	10.1	9.7	9.1	8.3	7.8
42					9.9	9.6	9.1	8.7	8.2	7.4	7.0
44					9.0	8.7	8.3	7.9	7.3	6.6	6.2
46						7.9	7.5	7.1	6.5	5.9	5.4
48						7.2	6.7	6.3	5.8	5.2	4.8
50							6.1	5.7	5.1	4.6	4.2
55							4.5	4.2	3.7	3.2	2.8
60								2.9	2.5	2.0	1.6
65									1.4	1.0	

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. 2220.xx)

75.3 t counterweight and 27 t carbody counterweight

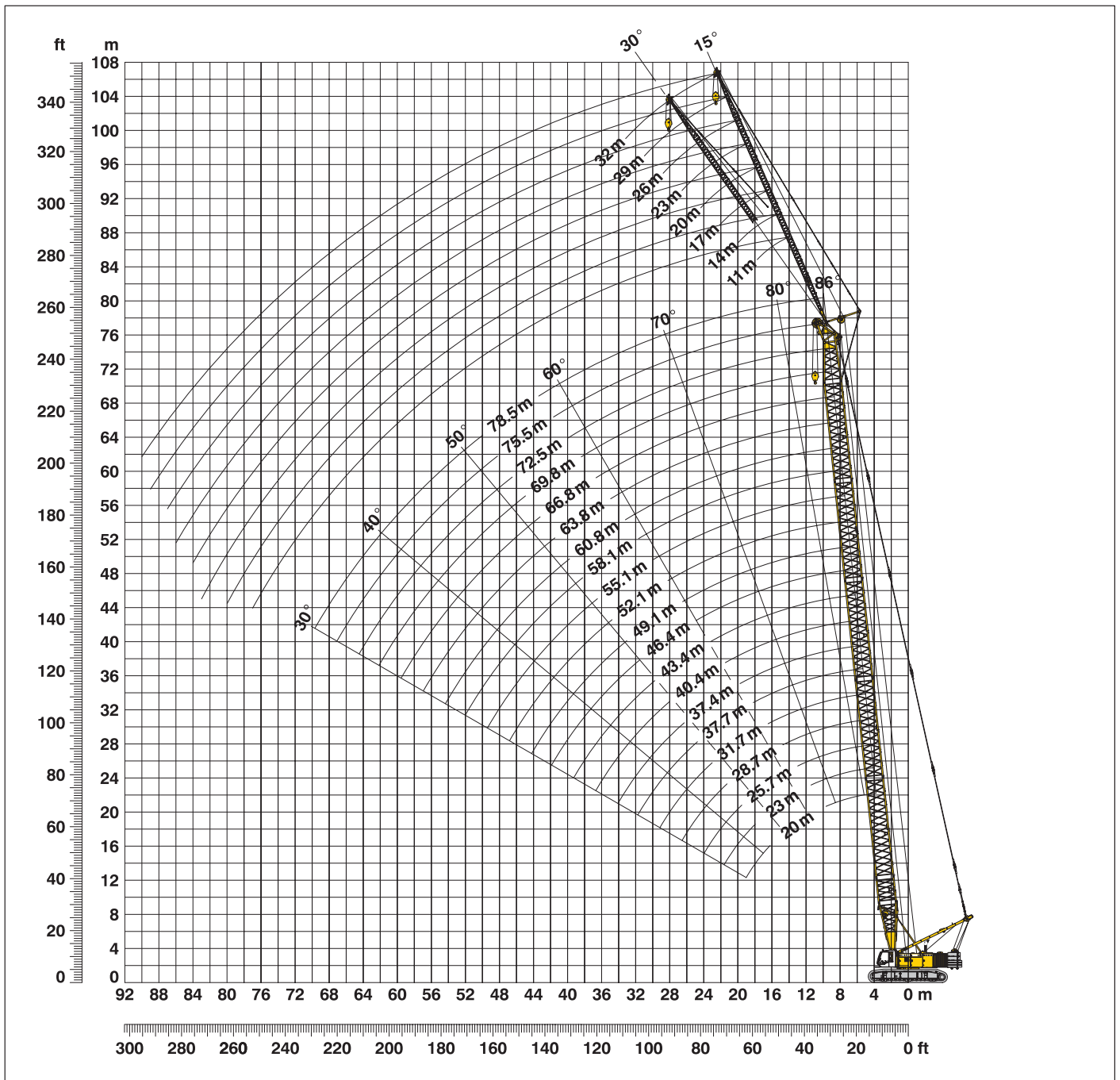
Capacities in metric tons for boom lengths (20 m – 84.2 m) – with 350 kN winches

Radius	Boom length in (m)											
	20	25.7	31.7	37.4	43.4	49.1	55.1	60.8	66.8	72.5	78.5	84.2
(m)	t	t	t	t	t	t	t	t	t	t	t	t
4.2	200.0											
5	200.0	200.0	200.0									
6	189.8	191.7	175.0	161.6	149.2							
7	173.9	160.8	148.7	138.4	128.9	121.0	112.0	89.9				
8	148.0	138.2	128.9	121.1	113.7	107.0	100.8	88.1	75.1	57.7		
9	128.6	121.0	113.6	107.3	101.2	95.7	90.5	82.9	72.4	57.4	55.2	46.3
10	113.6	107.5	101.4	96.2	91.1	86.7	82.0	78.1	68.7	55.5	53.8	43.7
12	89.8	87.6	83.2	79.5	75.7	72.4	69.0	65.7	61.3	52.2	50.6	40.7
14	72.5	72.7	70.4	67.5	64.4	61.8	59.1	56.7	53.9	47.4	47.7	38.5
16	60.5	60.7	60.4	58.4	55.9	53.7	51.4	49.4	47.0	42.4	43.1	36.8
18	51.6	51.8	51.6	51.3	49.1	47.3	45.3	43.5	41.7	39.8	38.2	35.5
20	44.7	45.1	44.8	44.6	43.7	42.1	40.3	38.7	37.1	35.4	34.0	32.6
22		39.7	39.4	39.2	38.8	37.8	36.1	34.8	33.2	31.9	30.4	29.1
24		35.3	35.1	34.8	34.4	34.1	32.7	31.4	30.0	28.7	27.4	26.2
26		31.6	31.4	31.2	30.8	30.4	29.7	28.5	27.2	26.0	24.7	23.6
28			28.4	28.2	27.8	27.4	26.9	26.0	24.7	23.6	22.4	21.3
30			25.7	25.6	25.2	24.8	24.3	23.7	22.6	21.5	20.4	19.4
32			23.4	23.3	22.9	22.6	22.0	21.6	20.7	19.7	18.6	17.6
34				21.3	20.9	20.6	20.1	19.7	19.0	18.0	17.0	16.0
36				19.6	19.2	18.9	18.4	17.9	17.4	16.5	15.5	14.6
38				18.0	17.6	17.3	16.8	16.4	15.9	15.2	14.2	13.3
40					16.3	16.0	15.4	15.0	14.5	14.0	13.0	12.1
42					15.0	14.7	14.2	13.8	13.3	12.8	11.9	11.1
44					13.8	13.6	13.1	12.7	12.1	11.7	10.9	10.1
46						12.5	12.1	11.7	11.1	10.7	10.0	9.2
48						11.6	11.1	10.7	10.2	9.7	9.1	8.3
50							10.3	9.9	9.3	8.9	8.3	7.6
55							8.3	8.0	7.5	7.0	6.5	5.9
60								6.4	5.9	5.5	4.9	4.4
65									4.6	4.2	3.6	3.2
70										3.1	2.5	2.1
75											1.5	1.1

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

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

Main boom 86° - 30°



Boom configuration for boom lengths (20 m - 78.5 m) – see table 1 on page 10
Fixed jib configuration for fixed jib lengths (11 m - 32 m)

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

Lift chart – fixed jib (No. 0806.xx)

Offset 15°

Main boom 20 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
7.9	26.3			
13	19.6	10.9		
16	18.2	9.9	6.1	
18	17.5	9.5	5.8	4.1
20	17.0	9.2	5.5	4.0
22	16.5	8.9	5.3	3.9
24	16.1	8.6	5.1	3.7
26	15.8	8.4	4.8	3.7
28	15.5	8.2	4.6	3.6
38		7.1	3.9	3.2
44			3.6	3.0
50				3.0

Main boom 28.7 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
9.1	25.2			
14	19.9	10.8		
17	18.6	10.1	6.1	
20	17.8	9.5	5.8	4.1
22	17.4	9.3	5.5	3.9
26	16.6	8.8	5.1	3.7
30	15.9	8.4	4.8	3.6
34	15.5	8.0	4.5	3.4
36	15.4	7.9	4.3	3.3
46		7.0	3.8	3.1
50			3.6	3.0
55				3.0

Main boom 37.4 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
10.3	24.1			
15	19.7	10.6		
18	18.8	10.1	6.1	
22	17.9	9.5	5.8	4.0
30	16.6	8.7	5.0	3.6
34	16.0	8.4	4.7	3.5
40	15.5	7.9	4.3	3.3
42	15.4	7.8	4.2	3.3
44	14.7	7.7	4.1	3.2
50		7.2	3.8	3.1
55			3.7	3.0
65				3.0

Main boom 46.4 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
11.6	23.0			
16	19.2	10.3		
19	18.6	10.0	6.1	
22	18.1	9.7	5.9	4.1
24	17.8	9.4	5.7	4.0
28	17.2	9.1	5.4	3.8
30	16.9	8.9	5.2	3.7
40	15.7	8.2	4.5	3.4
50	11.1	7.7	4.1	3.2
60		7.0	3.7	3.0
65			3.6	3.0
70				3.0

Main boom 55.1 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
12.8	20.5			
18	18.8	10.0		
20	18.4	9.8	6.1	
24	17.9	9.5	5.8	4.0
30	17.1	9.0	5.4	3.8
40	15.6	8.3	4.7	3.5
50	10.4	7.8	4.3	3.2
55	8.5	7.6	4.1	3.1
60	7.0	7.3	3.9	3.1
65		6.6	3.8	3.0
75			3.6	2.9
80				2.9

Main boom 63.8 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
14	19.4			
19	18.2	9.8		
22	17.8	9.5	6.0	
26	17.3	9.3	5.7	4.0
30	16.9	9.0	5.5	3.8
40	14.7	8.4	4.9	3.5
50	9.6	7.9	4.4	3.3
60	6.2	7.2	4.0	3.1
65	4.9	5.9	3.9	3.0
75		3.7	3.7	2.9
80			3.3	2.9
85				2.9

Main boom 69.8 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
14.8	18.5			
20	17.7	9.5		
24	17.1	9.3	5.8	
26	16.9	9.2	5.7	4.0
30	16.5	8.9	5.5	3.8
40	13.7	8.4	5.0	3.5
50	9.0	7.9	4.5	3.3
60	5.6	6.6	4.1	3.1
70	3.2	4.1	3.8	3.0
80		2.2	2.8	2.9
85			1.9	2.4
90				1.7

Main boom 75.5 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
15.6	17.6			
20	17.0	9.3		
24	16.6	9.1	5.8	
26	16.4	9.0	5.7	4.0
30	16.0	8.8	5.5	3.8
40	12.8	8.3	5.0	3.6
50	8.2	7.8	4.6	3.3
60	5.1	5.9	4.2	3.2
75	1.7	2.6	3.1	3.0
80		1.7	2.2	2.6
85			1.4	1.8
90				1.1

Main boom 78.5 m

	Fixed jib length in (m)			
	11	14	17	
Radius (m)	t	t	t	
16	17.1			
18	16.9	13.9		
19	16.8	13.8	11.3	
20	16.7	13.8	11.2	
24	16.4	13.5	11.0	
30	15.8	13.0	10.6	
40	12.3	12.4	10.1	
50	7.8	8.1	8.4	
60	4.6	4.9	5.3	
70	2.3	2.6	2.9	
75	1.4	1.7	2.0	
80			1.1	

Capacities in metric tons with fixed jib (No. 0806.xx) 75.3 t counterweight + 27 t carbody counterweight. Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

Lift chart – fixed jib (No. 0806.xx)

Offset 30°

Main boom 20 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
10.6	18.3			
17	15.5	8.6		
22	14.0	7.8	4.6	
26	12.7	7.1	4.3	3.4
28	12.3	6.9	4.1	3.4
30	11.9	6.6	4.0	3.3
38		6.0	3.6	3.1
42			3.5	3.0
44			3.5	3.0
46				2.9
48				2.9
50				2.9

Main boom 28.7 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
11.8	17.8			
19	15.7	8.5		
24	14.5	7.8	4.6	
28	13.4	7.3	4.3	3.4
30	12.9	7.0	4.2	3.3
32	12.5	6.8	4.1	3.3
34	12.2	6.7	3.9	3.2
36	11.9	6.5	3.9	3.2
46		6.0	3.6	3.0
48			3.6	3.0
50			3.6	3.0
55				2.9

Main boom 37.4 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
13	17.4			
20	15.8	8.5		
24	15.1	8.1	4.7	
28	14.3	7.6	4.4	3.4
30	14.0	7.4	4.3	3.4
34	13.1	7.0	4.1	3.3
38	12.4	6.7	3.9	3.2
40	12.2	6.5	3.8	3.2
44	11.7	6.3	3.7	3.1
50		6.1	3.6	3.0
60			3.5	2.9
65				2.9

Main boom 46.4 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
14.3	16.9			
22	15.7	8.4		
26	15.2	8.1	4.6	
30	14.5	7.6	4.4	3.4
34	14.0	7.3	4.2	3.3
38	13.2	6.9	4.0	3.2
40	12.9	6.8	4.0	3.2
44	12.3	6.6	3.8	3.1
50	11.3	6.2	3.7	3.1
60		6.0	3.5	2.9
65			3.5	2.9
70				2.9

Main boom 55.1 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
15.5	16.5			
22	15.8	8.4		
28	15.2	8.1	4.5	
34	14.4	7.5	4.3	3.3
38	14.0	7.2	4.1	3.3
40	13.6	7.0	4.1	3.2
50	10.7	6.5	3.8	3.1
55	8.7	6.3	3.7	3.0
60	7.1	6.1	3.6	3.0
65		6.0	3.5	2.9
75			3.5	2.9
80				2.9

Main boom 63.8 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
16.7	16.0			
24	15.4	8.3		
28	15.0	8.1	4.6	
32	14.7	7.8	4.4	3.4
40	14.0	7.3	4.1	3.2
50	10.0	6.7	3.8	3.1
55	8.0	6.4	3.7	3.1
60	6.4	6.2	3.6	3.0
65	5.0	6.1	3.6	3.0
75		3.8	3.5	2.9
80			3.4	2.9
85				2.9

Main boom 69.8 m

	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
17.5	15.7			
24	15.2	8.2		
30	14.7	8.0	4.5	
34	14.5	7.7	4.4	3.3
40	14.0	7.4	4.2	3.3
50	9.4	6.8	3.9	3.1
60	5.9	6.3	3.7	3.0
65	4.5	5.7	3.6	3.0
70	3.3	4.4	3.6	2.9
80		2.4	3.0	2.9
85			2.1	2.7
90				1.9

Main boom 75.5 m

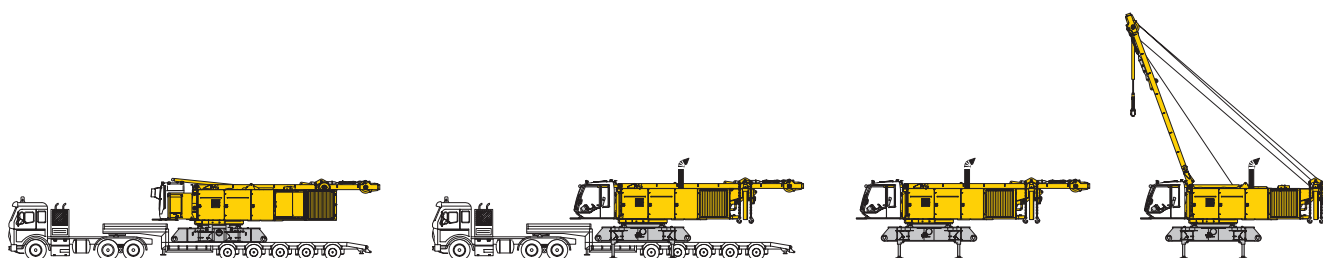
	Fixed jib length in (m)			
	11	20	26	32
Radius (m)	t	t	t	t
18.3	15.2			
26	14.7	8.1		
30	14.4	7.9	4.5	
34	14.2	7.7	4.4	3.3
40	13.4	7.4	4.2	3.3
50	8.7	6.8	3.9	3.1
60	5.4	6.3	3.7	3.0
65	4.0	5.1	3.6	3.0
70	2.9	3.9	3.6	2.9
75	1.9	2.9	3.5	2.9
85		1.1	1.7	2.2
90				1.4

Main boom 78.5 m

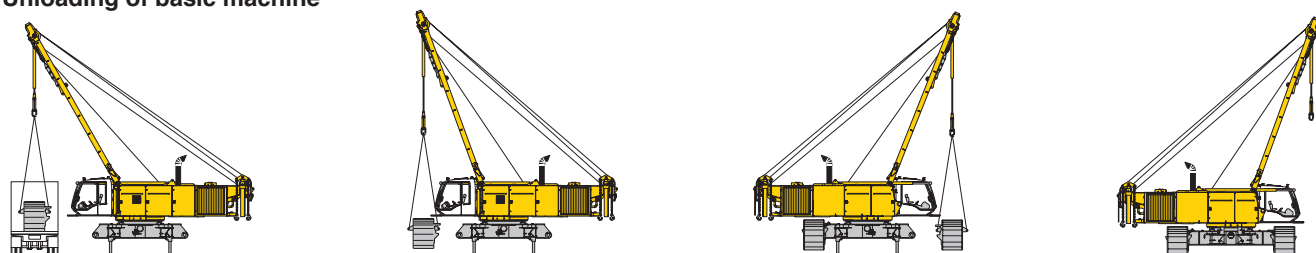
	Fixed jib length in (m)			
	11	14	17	
Radius (m)	t	t	t	
18.7	15.1			
22	14.8	12.0		
24	14.7	11.8	9.7	
26	14.6	11.8	9.6	
30	14.3	11.6	9.5	
40	12.9	11.1	9.0	
50	8.2	8.7	8.3	
60	4.9	5.3	5.7	
65	3.7	4.0	4.4	
70	2.5	2.9	3.2	
75	1.5	1.9	2.2	
80			1.3	

Capacities in metric tons with fixed jib (No. 0806.xx) 75.3 t counterweight + 27 t carbody counterweight. Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

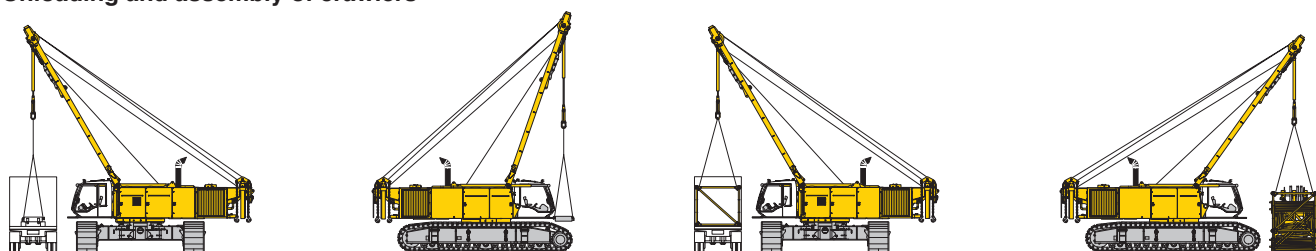
Self assembly system



Unloading of basic machine

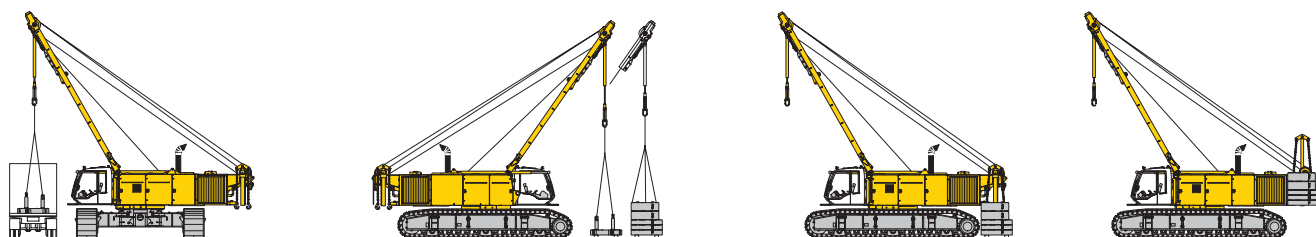


Unloading and assembly of crawlers

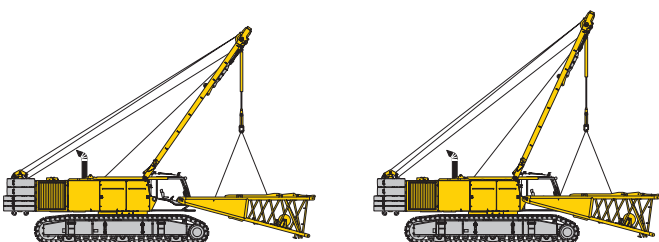


Unloading and assembly of carbody counterweight (option)

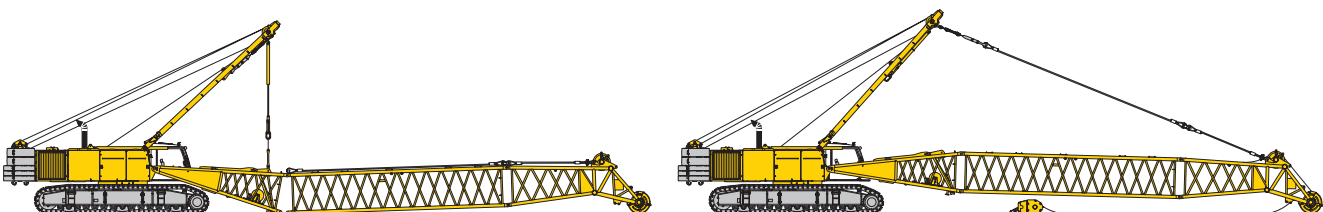
Unloading and assembly of boom



Unloading and assembly of counterweight



Assembly of boom foot



Assembly of boom

Reeving of hoist ropes