

autovictor

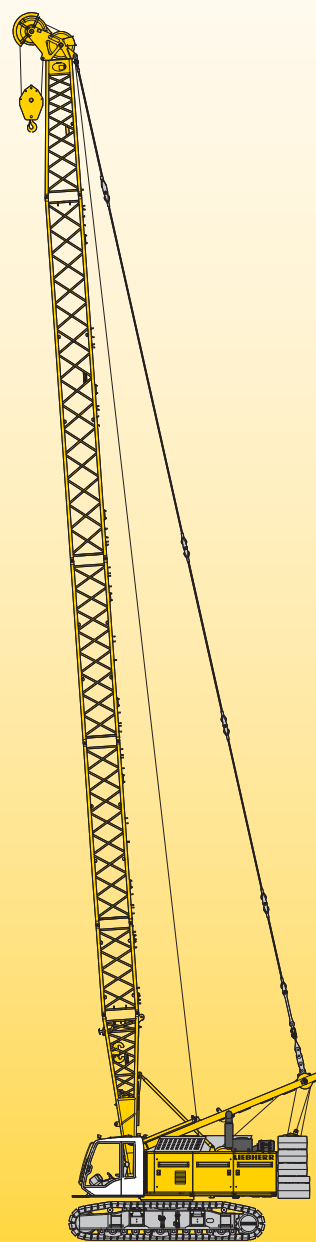


Keep on moving to the future.

MANUALE TECNICO **LIEBHERR HS 855 HD**

Technical data
Hydraulic crawler crane

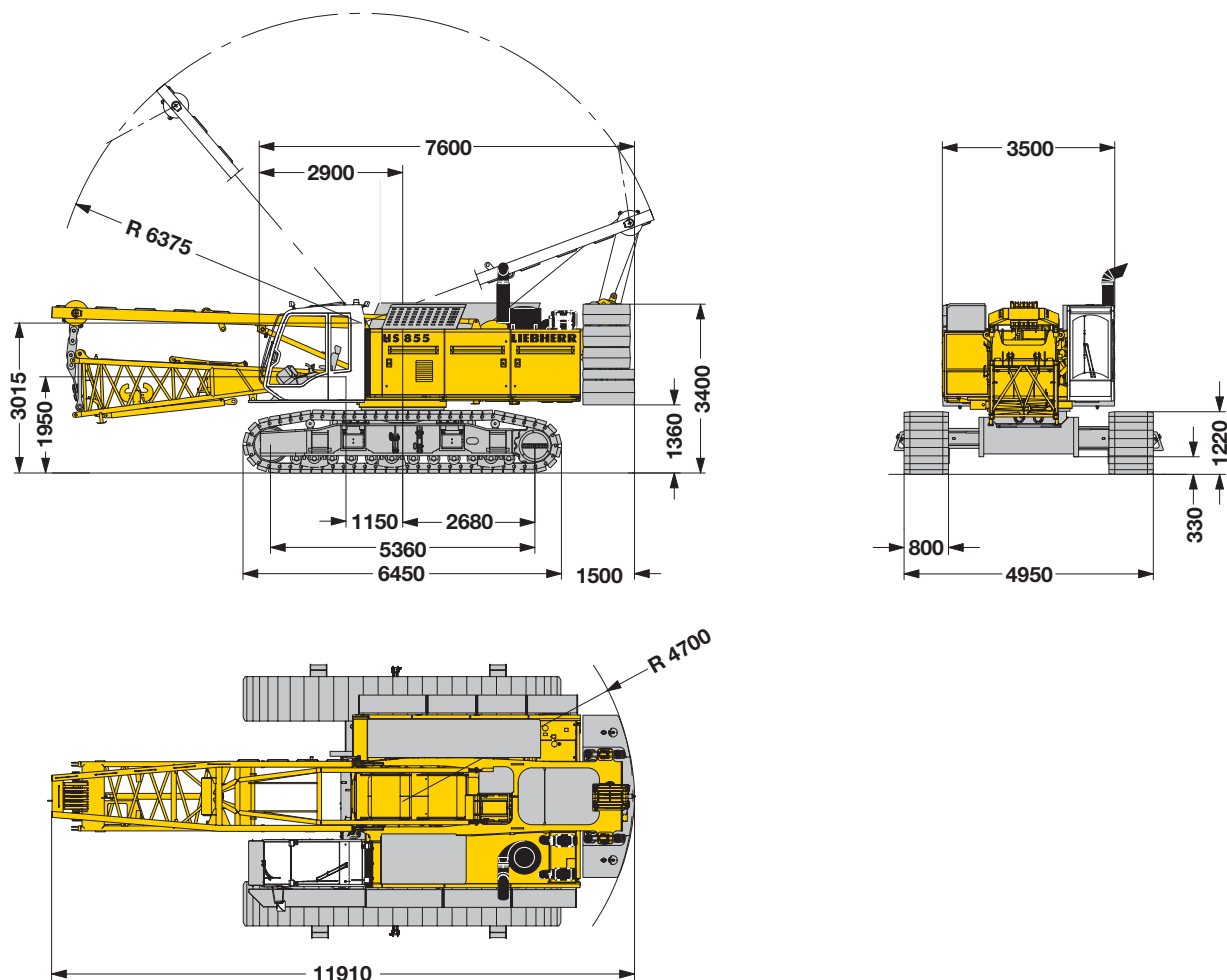
HS 855 HD
Litronic®



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 3-web grousers and 50 t hook block.

Total weight _____ approx. 89 t

Ground pressure

Ground bearing pressure _____ 1.04 kg/cm²

Equipment

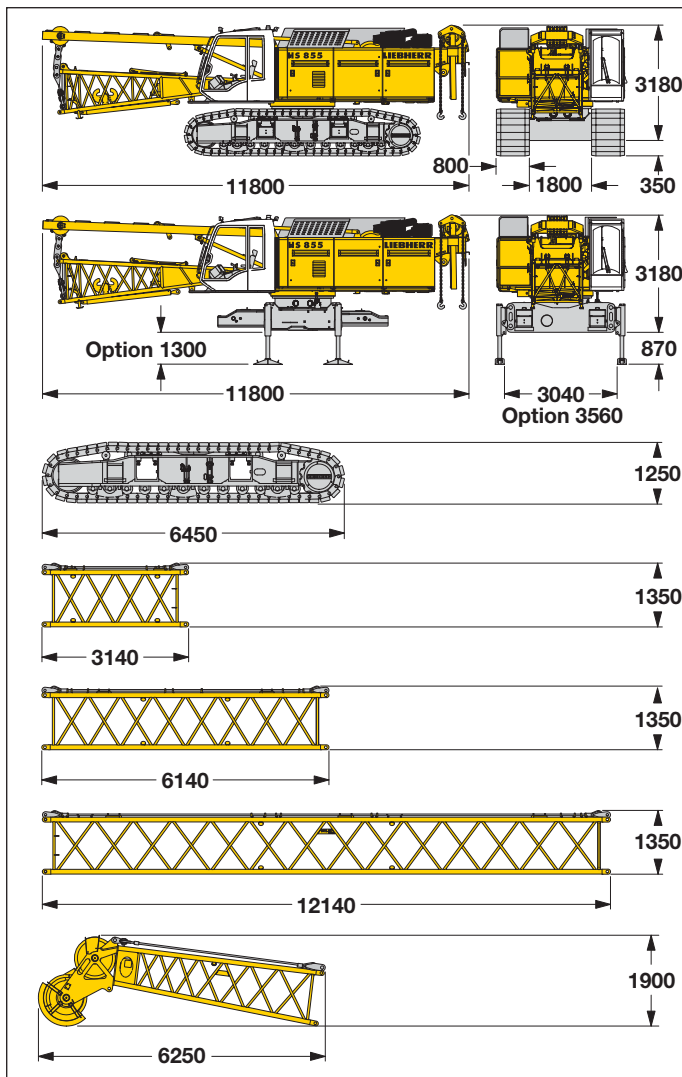
Main boom (No. 1311.xx) max. length _____ 68 m
 Fixed jib (No. 0806.xx) _____ 11 m - 32 m
 Modular designed equipment for operation as crane, with dragline or clamshell. For dragline operation, a rotating fairlead is fitted into the boom foot. This minimizes the rope angle to drum, which results in lower rope wear.

Remarks

1. The lifting capacities stated are valid for lifting operation only (corresponding 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 center 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 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. 1311.22)



*) Including pendant ropes

Basic machine

with HD undercarriage, boom foot (No. 1311.22), A-frame, 2x 250 kN winches including wire ropes (90 m), without basic counterweight

Width	3500 mm
Weight	59400 kg

Basic machine

with boom foot (No. 1311.22), A-frame, 2x 250 kN winches including wire ropes (90 m), without basic counterweight and crawlers

Width	3500 mm
Weight	40100 kg

Crawler

3-web grousers	800 mm
Width	915 mm
Weight	9650 kg

Boom section (No. 1311.22)

3 m

Width	1430 mm
Weight*	470 kg

Boom section (No. 131.22)

6 m

Width	1430 mm
Weight*	730 kg

Boom section (No. 1311.21)

12 m

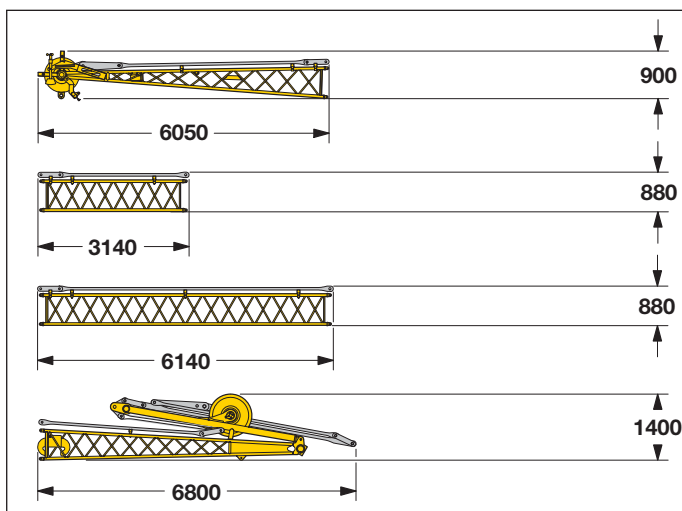
Width	1430 mm
Weight*	1260 kg

Boom head ¹⁾ (No. 1311.22)

Width	1430 mm
Weight*	1610 kg

1) Polyamide sheaves

Fixed jib (No. 0806.xx)



*) Including pendant ropes

Fixed jib head (No. 0806.16)

Width	1140 mm
Weight	475 kg

Fixed jib section (No. 0806.15)

3 m

Width	950 mm
Weight*	150 kg

Fixed jib section (No. 0806.15)

6 m

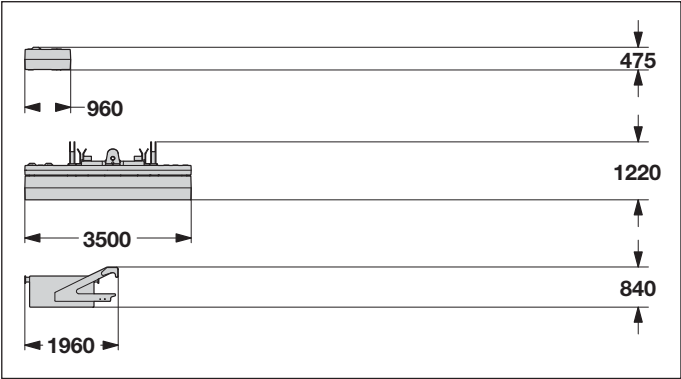
Width	950 mm
Weight*	255 kg

Fixed jib foot with A-frame (No. 0806.16)

Width	1500 mm
Weight*	1210 kg

Transport dimensions and weights

Counterweight

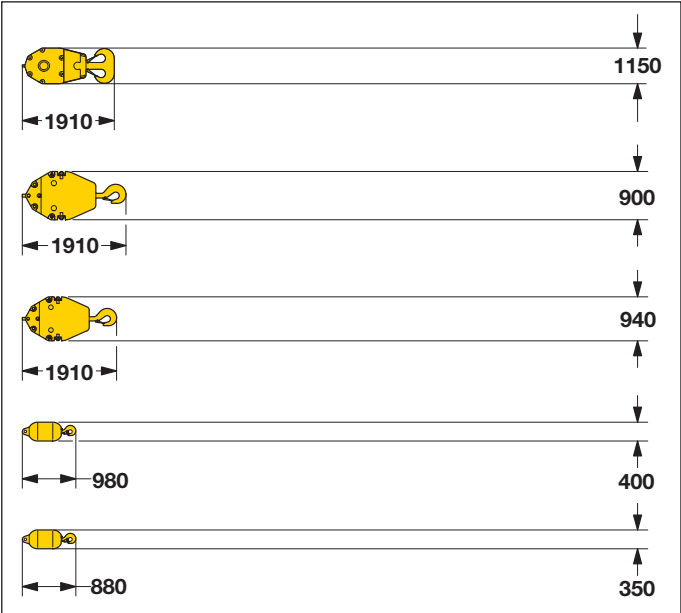


Counterweight 6x		option 10 x
Width	850 mm	
Weight*	1500 kg	

Counterweight		1 x
Width	1050 mm	
Weight*	17330 kg	

Carbody counterweight		option 2 x
Width	1640 mm	
Weight*	7500 kg	

Hooks



100 t hook block - 2 sheaves	
Width	320 mm
Weight*	1200 kg

50 t hook block - 1 sheave	
Width	400 mm
Weight*	900 kg

40 t hook block - 1 sheave	
Width	250 mm
Weight*	515 kg

25 t single hook	
Width	400 mm
Weight*	400 kg

20 t single hook	
Width	350 mm
Weight*	350 kg

Technical description



Engine

Power rating according to ISO 9249, 450 kW (603 hp) at 1900 rpm
Engine type ———— Liebherr D 9508 A7
Fuel tank ———— 830 l capacity with continuous level
————— indicator and reserve warning
Engine complies with NRMM exhaust certification EPA / CARB Tier 3 and 97/68 EC Stage III.



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, fixed leaders 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 roller bearing 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 – 4.6 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 ——— 0-99 m/min - 0-101 m/min - 0-81 m/min
Rope capacity 1st layer - 51.9 m ——— 40.6 m ——— 38.8 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:
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.
3-web grousers ——— 800 mm
Drive speed ——— 0 – 1.34 km/h
Option:
• 2-speed hydraulic motor for higher travel speed
• Self-assembly system, jack-up system



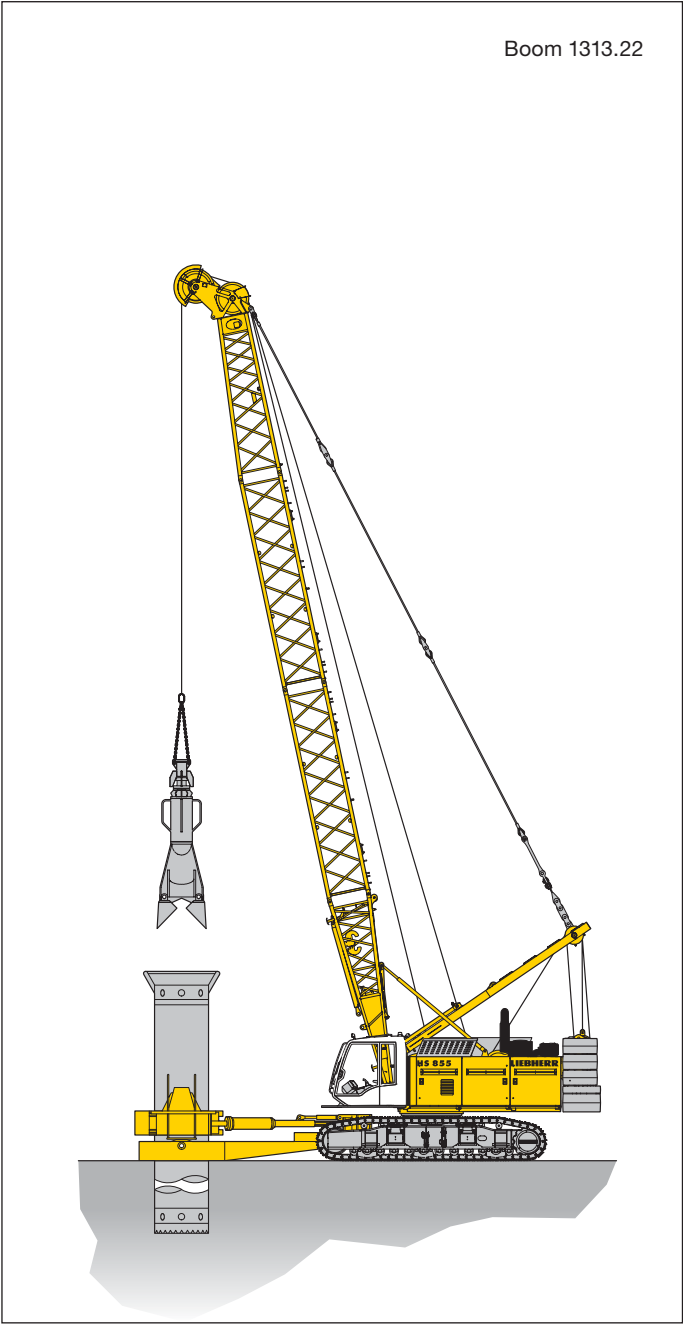
Control

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.
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

Equipment

(26.3 t counterweight)

Casing oscillator and slurry wall grab



Casing oscillator*

Winch options	2 x 200 kN	2 x 250 kN
Line speed 1st layer (m/min)	0-101	0-81
Drilling diameter	2000 mm	2000 mm

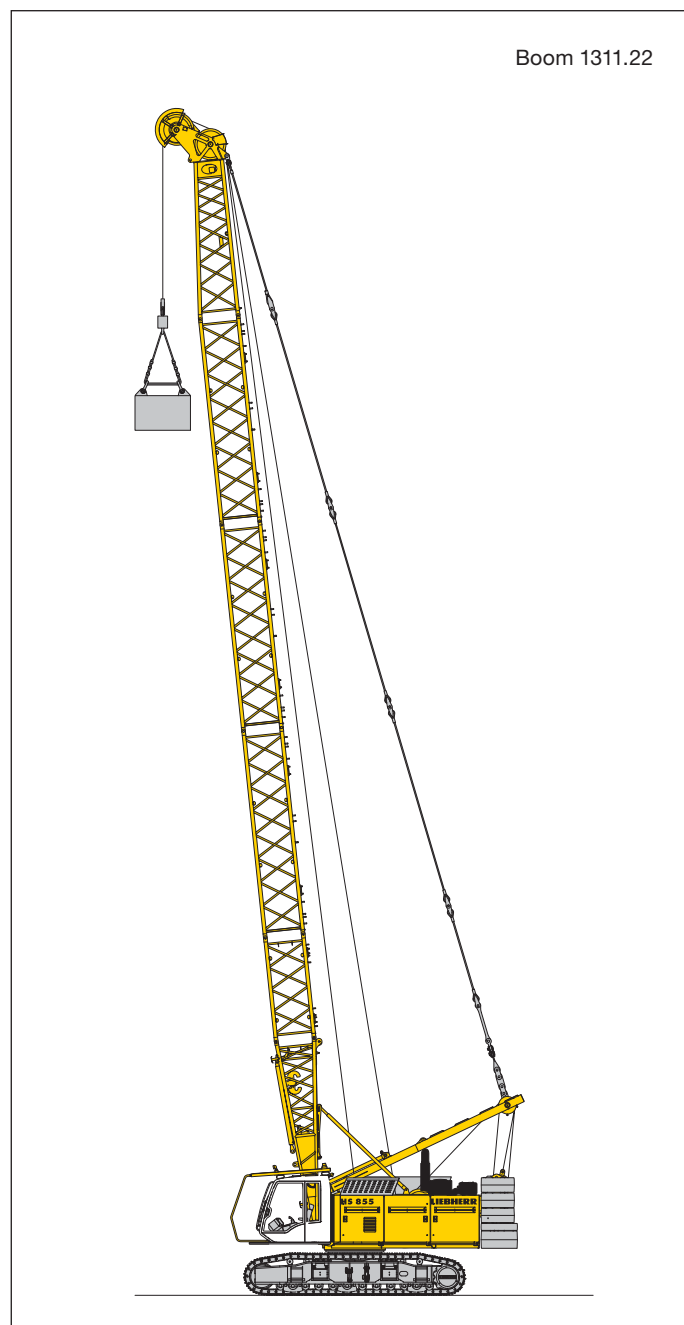
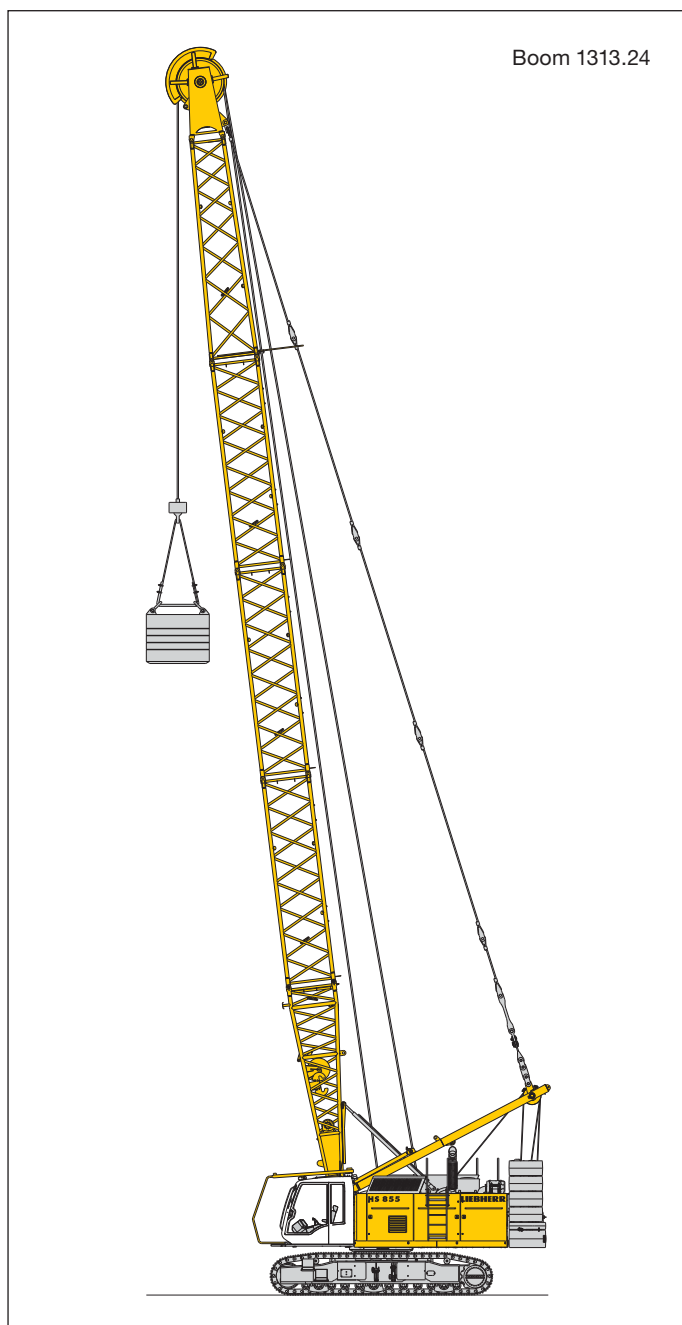
Slurry wall grab*

Winch options	2 x 200 kN	2 x 250 kN
Line speed 1st layer (m/min)	0-101	0-81
Max. chisel weight	12 t	16 t

*) Load chart for duty cycle operation see page 8

Equipment (26.3 t counterweight)

Dynamic soil compaction



Capacities in metric tons for boom lengths (21 m - 33 m)					
Radius	Boom length (m)				
	21	24	27	30	33
(m)	t	t	t	t	t
8	25	25	20	20	19
9	20	19	19	18	17

Capacities in metric tons for boom lengths (20 m - 32 m)					
Radius	Boom length (m)				
	20	23	26	29	32
(m)	t	t	t	t	t
8	25	25	20	20	19
9	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 must not exceed 25 m.

Load chart for duty cycle operation (main boom No. 1311.22)

26.3 t counterweight

Capacities in metric tons for boom lengths (11 m - 32 m) - with 250 kN winches

Radius	Boom length (m)								Radius
	11	14	17	20	23	26	29	32	
(m)	t	t	t	t	t	t	t	t	(m)
4.3				37.9					4.3
5	37.9	37.9	37.9	37.9	37.9	31.7			5
6	37.9	37.7	37.9	36.9	37.9	31.7	25.5	22.1	6
7	36.6	36.5	35.3	32.7	32.9	31.4	25.5	22.1	7
8	30.3	29.8	29.0	28.1	26.8	26.0	23.9	22.1	8
9	24.9	24.4	24.0	23.5	23.0	22.2	21.3	20.1	9
10	21.9	21.5	21.1	20.7	20.3	19.6	19.3	18.3	10
12		17.7	17.4	16.9	16.7	16.1	15.7	15.3	12
14		14.8	14.6	14.3	14.0	13.5	13.2	12.9	14
16			12.6	12.3	12.0	11.7	11.3	11.1	16
18				10.8	10.5	10.2	9.9	9.7	18
20				9.3	9.2	9.0	8.7	8.4	20
22					8.1	8.0	7.7	7.4	22
24						7.0	6.9	6.6	24
26							6.2	5.9	26
28							5.4	5.3	28
30								4.7	30

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Maximum capacity in duty cycle operation with standard ropes

Line pull (1st layer)	kN	160	200	250
Rope diameter	mm	26	30	34
Minimum breaking load	kN	615	846	1046
Line pull - 1-rope duty cycle operation	t	16	20	25
Line pull - 2-rope duty cycle operation ¹⁾	t	24.2	30.3	37.9

- 1) Lifting a load exceeding the line pull of one winch is only allowed if it can be ensured that each individual winch is not overloaded. When working with a mechanical 2-rope grab the total load to be lifted is limited by the line pull of one winch. Rigging and ropes are part of the load.
- 2) Max. capacities in metric tons do not exceed 75% of tipping load. Crane standing on firm, horizontal ground.

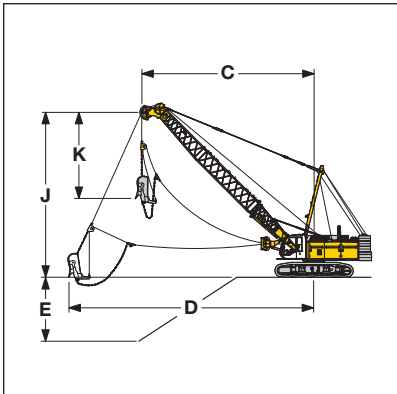
Capacities in duty cycle operation are for reference only and are not programmed in the LMI system.

All loads and counterweight configurations are max. values and must not be exceeded.

Weight of additional equipment on boom (e.g. walkways, hose drums etc.) must be deducted to get the net capacity.

Dragline equipment (main boom No. 1311.22)

26.3 t counterweight



Capacities in metric tons for boom lengths (14 m - 29 m) counterweight 26.3 t

alpha	Boom length (m)																	
	14			17			20			23			26			29		
	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	11.9	11.4	17.8	14.1	13.5	14.6	16.2	15.6	12.2	18.3	17.8	10.4	20.4	19.9	8.8	22.5	22.0	7.6
40	12.7	10.4	16.5	15.0	12.4	13.7	17.3	14.3	11.4	19.6	16.2	9.5	21.9	18.2	8.0	24.2	20.1	6.8
35	13.4	9.4	15.6	15.9	11.2	12.8	18.3	12.9	10.5	20.8	14.6	8.8	23.2	16.3	7.3	25.7	18.0	6.3
30	14.0	8.4	14.8	16.6	9.9	12.0	19.2	11.4	9.8	21.8	12.9	8.2	24.4	14.4	6.9	27.0	15.9	5.8
25	14.5	7.3	14.2	17.3	8.5	11.4	20.0	9.8	9.3	22.7	11.1	7.7	25.4	12.3	6.5	28.1	13.6	5.4

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

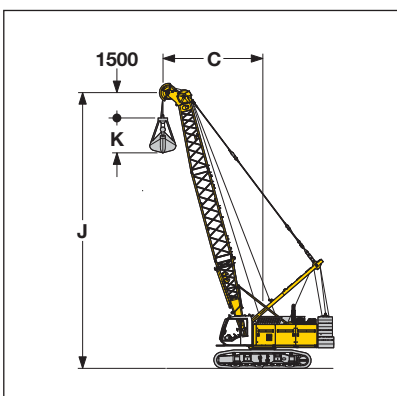
Capacities in duty cycle operation are for reference only and are not programmed in the LMI system. The size of the bucket has to be determined according to local conditions.

Digging diagram

- C = Radius / dumping radius
- D = Max. digging radius = approx.
C + 1/3 to 1/2 J - K
- E = Digging depth = approx.
40 - 50% of C
- J = Height to centre rope pulley boom head
- K = Length of dragline bucket (according to manufacturer's specification)

Clamshell equipment (main boom No. 1311.22)

26.3 t counterweight



Capacities in metric tons for boom lengths (14 m - 29 m) counterweight 26.3 t

alpha	Boom length (m)																	
	14			17			20			23			26			29		
	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	14.4	29.4	9.3	17.1	22.8	10.6	19.8	19.5	11.9	22.5	16.8	13.2	25.2	14.6	14.4	28.0	12.8
60	9.1	13.7	23.9	10.6	16.3	19.8	12.1	18.9	16.8	13.6	21.5	14.4	15.1	24.1	12.5	16.6	26.7	10.9
55	10.1	13.0	21.3	11.9	15.5	17.6	13.6	18.0	14.8	15.3	20.4	12.7	17.0	22.9	10.9	18.7	25.3	9.5
50	11.1	12.3	19.3	13.0	14.6	15.9	14.9	16.9	13.3	16.9	19.1	11.4	18.8	21.4	9.7	20.7	23.7	8.4
45	11.9	11.4	17.8	14.1	13.5	14.6	16.2	15.6	12.2	18.3	17.8	10.3	20.4	19.9	8.8	22.5	22.0	7.6
40	12.7	10.4	16.5	15.0	12.4	13.6	17.3	14.3	11.2	19.6	16.2	9.4	21.9	18.2	7.9	24.2	20.1	6.8
35	13.4	9.4	15.6	15.9	11.2	12.6	18.3	12.9	10.3	20.8	14.6	8.6	23.2	16.3	7.3	25.7	18.0	6.2
30	14.0	8.4	14.8	16.6	9.9	11.8	19.2	11.4	9.6	21.8	12.9	8.0	24.4	14.4	6.8	27.0	15.9	5.7
25	14.5	7.3	14.1	17.3	8.5	11.2	20.0	9.8	9.1	22.7	11.1	7.6	25.4	12.3	6.4	28.1	13.6	5.4

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

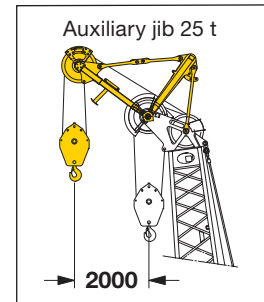
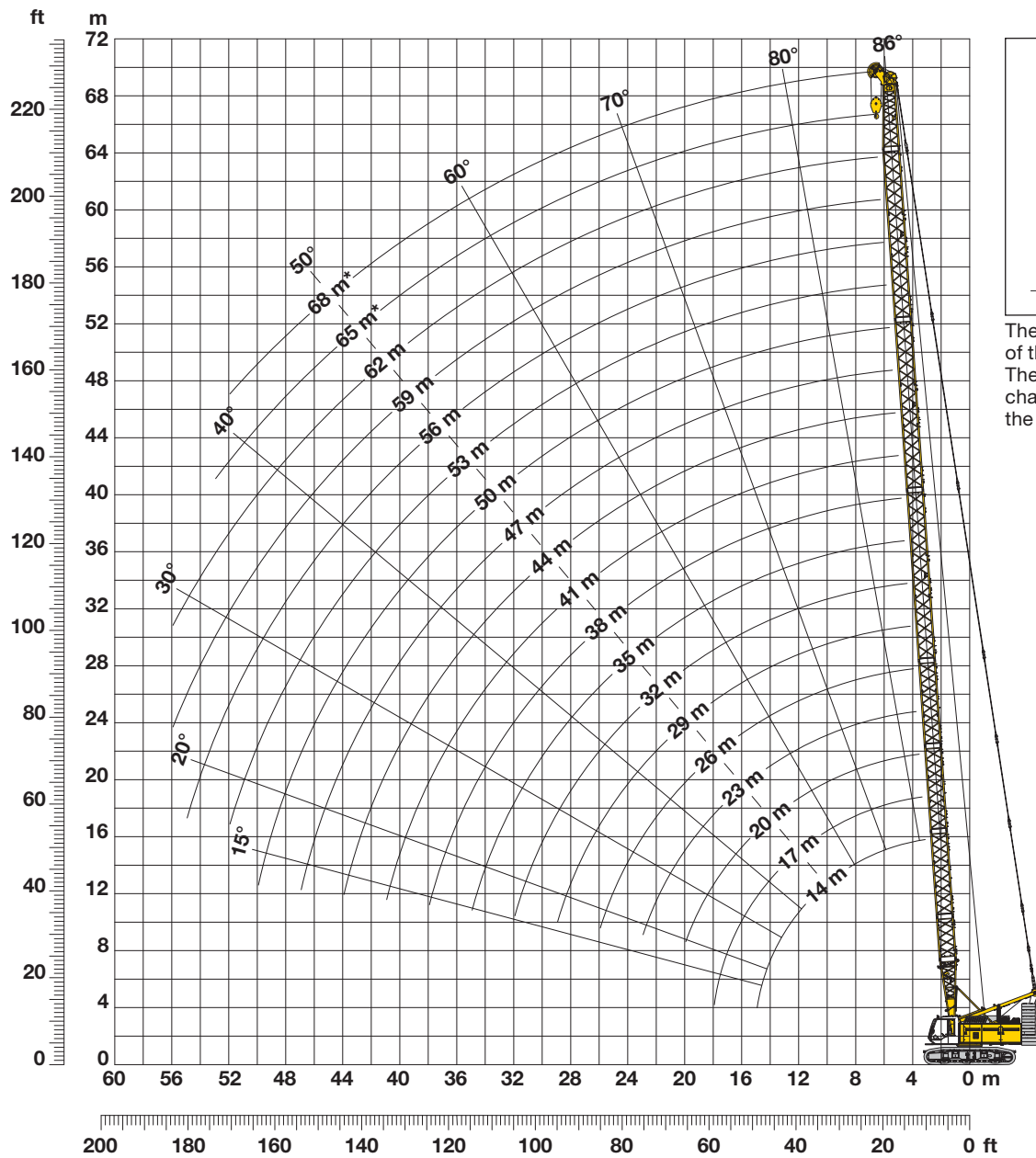
Capacities in duty cycle operation are for reference only and are not programmed in the LMI system.

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)

Working range - main boom (No. 1311.22) 86° - 15°

26.3 t counterweight and 15 t carbody counterweight



The maximum capacity of the auxiliary jib is 25 t. The corresponding load chart is programmed in the LMI system.

Main boom configuration (Table 1 - No. 1311.xx)

Configuration for boom lengths (11 m - 68 m)

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

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

Load chart for lift crane operation (main boom No. 1311.22)

26.3 t counterweight

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

	Boom length (m)																		
Radius	11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	Radius
(m)	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	(m)
3.2				90.0															3.6
4	84.3	86.1	83.7	77.9	72.8	68.3	64.2	60.0											4
5	72.4	68.0	64.0	60.5	57.2	54.3	51.6	49.1	47.0	44.9	39.8	32.6							5
6	57.2	54.3	51.7	49.2	47.0	44.9	43.0	41.1	39.6	38.1	36.6	32.6	28.7	25.2	21.9	19.5	16.2		6
7	46.8	45.1	43.2	41.4	39.7	38.2	36.7	35.3	34.2	32.9	31.7	30.6	28.7	25.2	21.9	19.5	16.2	14.4	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	25.2	21.9	19.5	16.2	14.4	8
10	27.8	28.0	28.1	27.7	26.8	25.9	25.1	24.3	23.8	23.0	22.3	21.6	21.1	20.6	19.9	18.5	15.6	14.1	10
11	24.3	24.5	24.6	24.6	24.1	23.3	22.6	21.9	21.5	20.9	20.3	19.7	19.3	18.7	18.2	17.5	15.1	13.5	11
12	20.6	21.7	21.8	21.8	21.8	21.3	20.6	20.0	19.7	19.1	18.5	18.0	17.6	17.1	16.6	16.1	14.6	13.0	12
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	13.2	12.0	14
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
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
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
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
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

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

Load chart for lift crane operation (main boom No. 1311.22)

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 (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	(m)
3	105.0*																		3
4	104.5*	103.7*	94.1*	80.8	71.5	62.4													4
5	89.9	84.4	75.1	67.6	64.3	61.2	53.7	45.8	39.8	32.6									5
6	71.2	67.6	61.3	56.0	53.6	51.4	49.6	45.8	39.8	32.6	28.7	25.2	21.9	19.5	16.2				6
7	58.3	56.3	51.7	47.7	45.9	44.2	42.8	41.3	39.6	32.6	28.7	25.2	21.9	19.5	16.2	14.4	12.8	11.4	7
10	34.9	35.1	34.8	32.7	31.7	30.7	30.1	29.2	28.3	27.2	25.7	23.3	20.5	18.5	15.6	14.1	12.8	11.4	10
11	30.6	30.8	30.9	29.5	28.6	27.8	27.3	26.5	25.7	25.0	24.3	22.3	19.7	18.0	15.1	13.5	12.2	11.1	11
14		22.2	22.3	22.2	22.0	21.4	21.1	20.6	20.0	19.5	19.2	18.7	17.7	16.1	13.6	12.0	10.9	10.0	14
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	11.3	10.3	9.4	8.6	20
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	7.7	7.4	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	6.7	28
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	5.4	32
36							5.9	5.5	5.4	5.3	5.4	5.2	5.1	5.0	5.0	4.8	4.6	4.4	36
38								5.0	4.9	4.8	4.9	4.7	4.6	4.5	4.5	4.3	4.2	3.9	38
40									4.5	4.3	4.4	4.3	4.1	4.0	4.0	3.9	3.7	3.5	40
44										3.5	3.6	3.5	3.4	3.2	3.2	3.1	3.0	2.8	44
46											3.3	3.1	3.0	2.9	2.9	2.8	2.6	2.5	46
50												2.5	2.4	2.3	2.3	2.2	2.0	1.9	50
55														1.7	1.7	1.6	1.4	1.3	55
60															1.0				60

TLT 983335514 M 48668

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

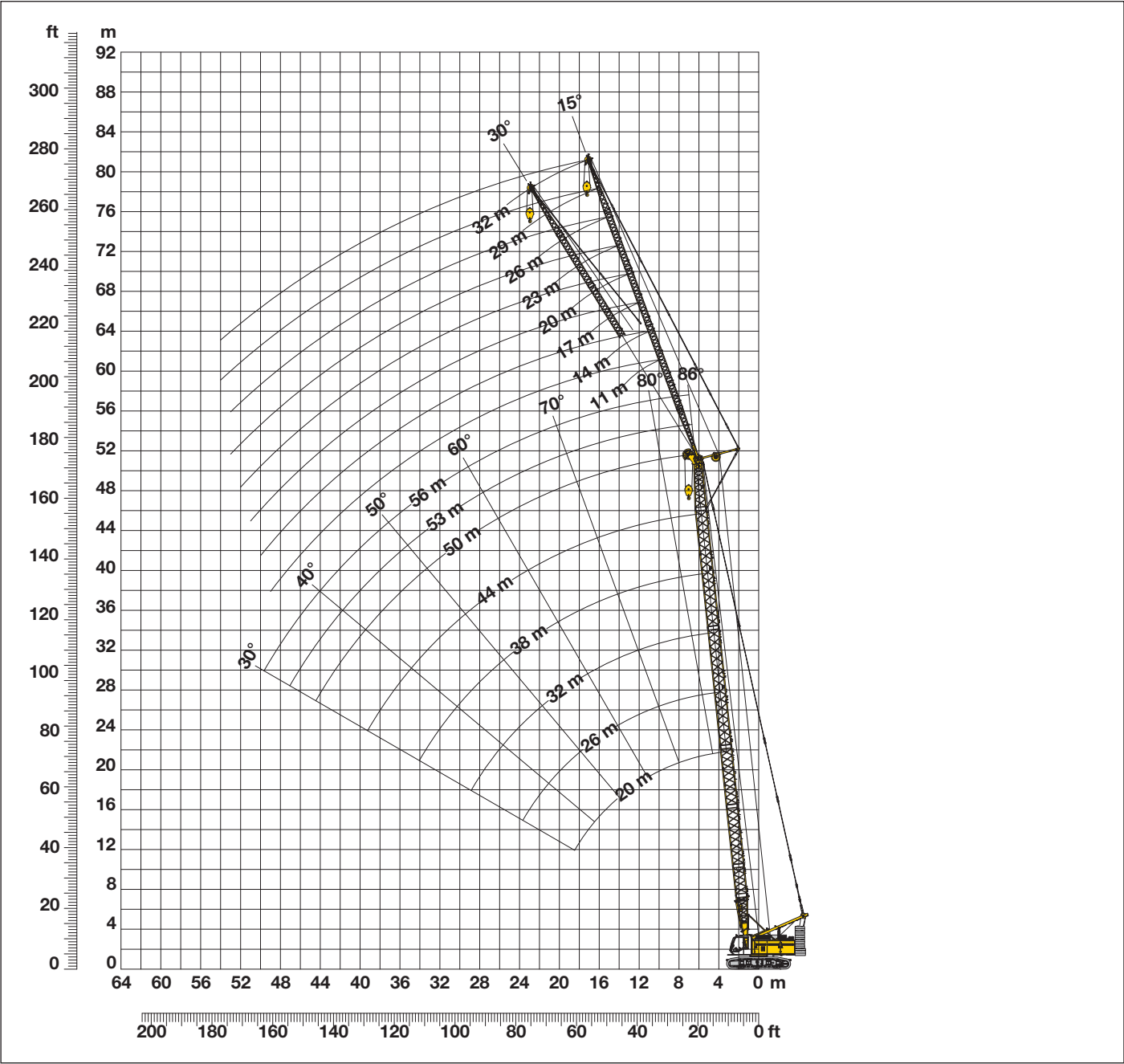
*) With heavy duty boom head

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, page 10

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

	Length	Amount of jib extensions							
Fixed jib foot	5.5 m	1	1	1	1	1	1	1	1
Fixed jib section	3.0 m		1		1		1		1
Fixed jib section	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 (m)		11	14	17	20	23	26	29	32

Load chart - fixed jib (No. 0806.xx)

Offset 15°

Main boom 11 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
5.3	27.4			
10	20.5	12.3		
12	18.4	11.2		
13	17.6	10.8	7.1	
15	16.5	10.2	6.6	4.7
16	16.0	9.9	6.4	4.6
18	15.0	9.3	6.0	4.4
19	14.4	9.1	5.8	4.3
20	13.9	8.9	5.7	4.2
28		7.1	4.6	3.7
34			4.2	3.5
40				3.3

Main boom 20 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
6.2	25.4			
11	20.1	11.6		
14	18.2	10.5	6.9	
16	17.3	10.0	6.5	4.6
20	14.0	9.4	5.9	4.3
22	12.3	9.1	5.7	4.2
24	10.9	8.8	5.5	4.0
26	9.7	8.4	5.2	3.9
28	8.7	8.0	5.0	3.8
36		6.3	4.4	3.5
42			4.1	3.3
48				3.2

Main boom 26 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
6.8	23.9			
11	20.1	11.2		
14	18.1	10.3	6.8	
17	16.6	9.8	6.4	4.4
20	13.7	9.5	6.1	4.3
24	10.6	9.0	5.6	4.1
28	8.4	8.5	5.2	3.9
30	7.5	8.1	5.0	3.8
32	6.8	7.3	4.9	3.7
42		4.6	4.3	3.4
48			3.7	3.2
50				3.2

Main boom 32 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
7.5	22.0			
12	18.7	10.5		
15	17.1	9.8	6.6	
18	15.0	9.5	6.2	4.3
22	11.7	9.1	5.9	4.1
26	9.1	8.7	5.5	4.0
30	7.2	7.8	5.2	3.8
34	5.8	6.3	4.9	3.6
38	4.7	5.2	4.6	3.5
46		3.5	3.8	3.3
50			3.1	3.3
55				2.6

Main boom 38 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
8.1	19.8			
13	16.9	9.7		
15	15.9	9.4	6.4	
18	14.3	9.1	6.1	4.2
24	10.0	8.7	5.7	4.0
28	8.0	8.2	5.4	3.8
32	6.4	6.9	5.1	3.7
36	5.1	5.6	4.8	3.6
40	4.1	4.6	4.6	3.5
44	3.3	3.8	4.0	3.4
50		2.8	3.0	3.1
55			2.3	2.5

Main boom 44 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
8.7	17.3			
13	15.3	9.0		
16	14.1	8.6	6.1	
19	12.5	8.4	5.8	4.1
28	7.5	7.8	5.3	3.8
32	6.1	6.4	5.1	3.7
36	4.8	5.3	4.8	3.6
40	3.8	4.3	4.5	3.4
44	3.0	3.5	3.7	3.3
48	2.4	2.8	3.0	3.1
50		2.5	2.7	2.9
55			2.0	2.2

Main boom 50 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
9.3	15.0			
14	13.2	8.1		
17	12.2	7.9	5.7	
19	11.3	7.8	5.6	3.9
24	8.9	7.5	5.3	3.8
28	7.1	7.1	5.1	3.7
32	5.7	6.0	4.9	3.6
36	4.6	4.9	4.7	3.5
40	3.7	4.0	4.1	3.4
44	2.9	3.3	3.4	3.3
48	2.2	2.6	2.8	2.9
50		2.3	2.5	2.6

Main boom 53 m

Radius	Fixed jib length (m)			
	11	20	23	26
(m)	t	t	t	t
9.7	13.7			
14	12.1	7.8		
16	11.5	7.5	6.5	
17	11.3	7.5	6.4	5.5
24	8.6	7.1	6.2	5.2
28	6.8	6.7	5.9	5.0
32	5.4	5.8	5.7	4.8
36	4.4	4.7	4.8	4.6
40	3.5	3.8	3.9	3.9
44	2.7	3.0	3.1	3.2
48	2.1	2.4	2.5	2.6
50		2.1	2.2	2.3

Main boom 56 m

Radius	Fixed jib length (m)			
	11	14	17	
(m)	t	t	t	
10	12.6			
12	12.0	10.4		
13	11.6	10.1	8.7	
16	10.7	9.5	8.3	
20	9.6	8.9	7.9	
24	8.3	7.9	7.4	
28	6.5	6.7	6.7	
32	5.2	5.3	5.4	
36	4.1	4.2	4.4	
40	3.2	3.3	3.5	
46	2.2	2.3	2.4	
48			2.1	

(TLT 983335514 M 48668)

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

Load chart - fixed jib (No. 0806.xx)

Offset 30°

Main boom 11 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
7.9	18.3			
14	12.6	8.2		
19	10.6	6.8	5.3	
20	10.3	6.6	5.1	
24		5.8	4.6	3.6
26		5.5	4.4	3.4
28		5.4	4.2	3.3
30		5.2	4.0	3.1
32			3.8	3.0
36			3.7	2.8
38				2.7
42				2.7

Main boom 20 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
8.9	17.9			
15	13.7	8.1		
19	12.1	7.2	5.3	
24	10.7	6.4	4.8	3.7
26	9.8	6.1	4.6	3.5
28	8.8	5.9	4.5	3.4
32		5.5	4.1	3.1
38		5.2	3.8	2.9
40			3.7	2.8
44			3.7	2.7
46				2.7
50				2.7

Main boom 26 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
9.5	17.6			
16	13.9	7.9		
20	12.5	7.2	5.3	
24	10.8	6.6	4.9	3.7
26	9.6	6.4	4.7	3.5
28	8.6	6.1	4.6	3.4
30	7.7	5.9	4.5	3.3
32	6.9	5.8	4.3	3.2
34	6.2	5.6	4.2	3.1
42		4.7	3.8	2.8
48			3.7	2.7
55				2.7

Main boom 32 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
10.1	16.9			
17	14.0	7.8		
22	12.1	7.0	5.1	
26	9.4	6.5	4.8	3.5
30	7.4	6.1	4.5	3.3
34	5.9	5.8	4.3	3.2
36	5.3	5.7	4.2	3.1
38	4.8	5.4	4.1	3.0
46		3.6	3.8	2.8
48		3.2	3.6	2.7
50			3.3	2.7
60				2.1

Main boom 38 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
10.7	15.8			
17	13.9	7.7		
22	11.6	7.1	5.0	
26	9.3	6.6	4.8	3.5
30	7.3	6.3	4.6	3.3
34	5.9	5.9	4.4	3.2
38	4.7	5.3	4.2	3.1
42	3.8	4.4	4.0	2.9
44	3.4	4.0	3.9	2.9
50		2.9	3.2	2.7
55			2.4	2.7
60				2.1

Main boom 44 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
11.4	14.5			
18	12.8	7.4		
22	11.0	7.0	4.9	
26	8.7	6.7	4.7	3.4
30	7.0	6.3	4.6	3.3
34	5.6	6.0	4.4	3.2
38	4.5	5.1	4.2	3.1
42	3.5	4.1	4.0	3.0
46	2.8	3.3	3.7	2.8
48	2.4	3.0	3.3	2.8
50		2.7	3.0	2.8
55			2.2	2.5

Main boom 50 m

Radius	Fixed jib length (m)			
	11	20	26	32
(m)	t	t	t	t
12	12.7			
19	11.0	7.1		
24	9.3	6.7	4.7	
28	7.4	6.4	4.5	3.3
30	6.7	6.3	4.5	3.2
34	5.4	5.9	4.3	3.1
38	4.3	4.8	4.2	3.0
42	3.4	3.9	4.0	2.9
46	2.7	3.2	3.4	2.9
48	2.3	2.9	3.1	2.8
50	2.0	2.5	2.8	2.8
55			2.1	2.3

Main boom 53 m

Radius	Fixed jib length (m)			
	11	20	23	26
(m)	t	t	t	t
12.3	11.5			
19	10.0	6.8		
22	9.3	6.6	5.7	
24	8.8	6.4	5.6	4.6
28	7.2	6.1	5.4	4.5
32	5.7	5.8	5.2	4.4
36	4.6	5.1	5.0	4.2
40	3.7	4.2	4.3	4.1
44	2.9	3.4	3.5	3.6
46	2.5	3.0	3.1	3.2
48	2.2	2.7	2.8	2.9
50		2.4	2.5	2.6

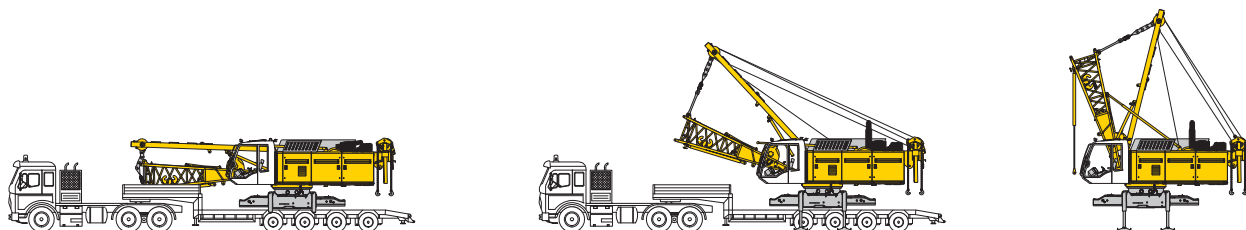
Main boom 56 m

Radius	Fixed jib length (m)			
	11	14	17	
(m)	t	t	t	
12.6	10.6			
15	10.1	8.8		
17	9.7	8.5	7.5	
20	9.3	8.1	7.3	
24	8.2	7.7	7.0	
28	6.9	6.9	6.5	
32	5.5	5.7	5.9	
36	4.4	4.6	4.8	
40	3.4	3.6	3.8	
44	2.7	2.8	3.0	
48	2.0	2.2	2.3	
50			2.0	

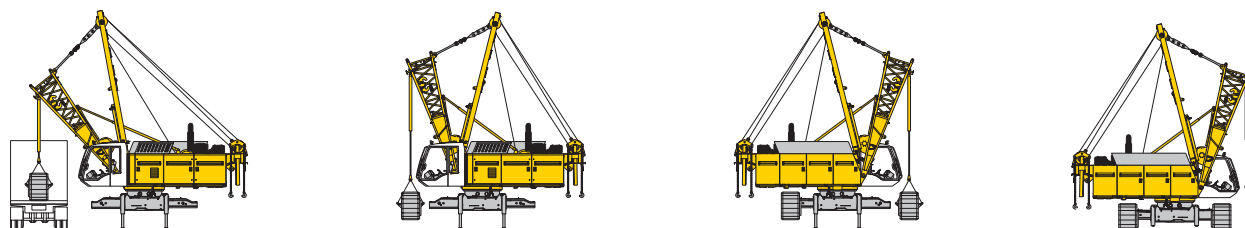
(TLT 983335514 M 48668)

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

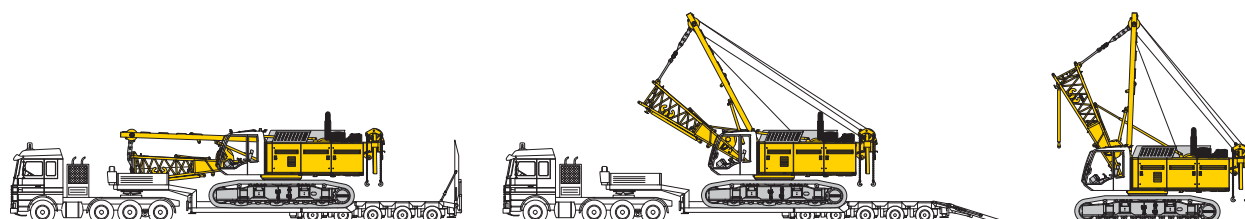
Self-assembly system



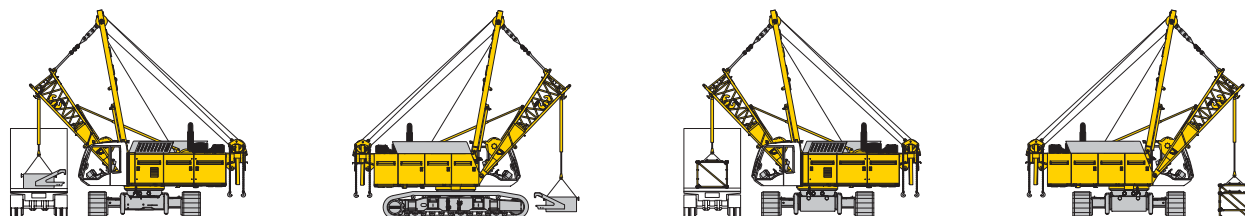
Unloading of basic machine (option)



Unloading and assembly of crawlers

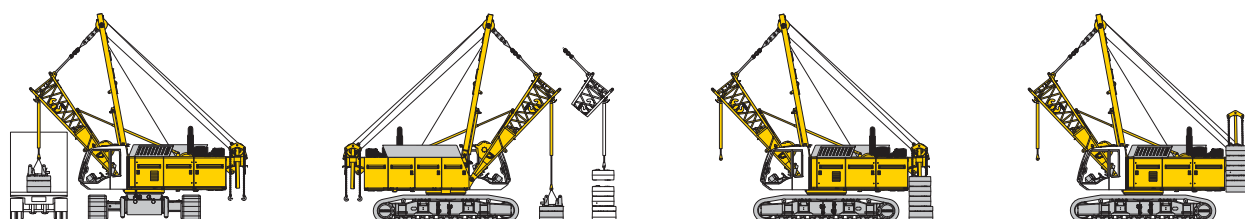


Unloading of basic machine (standard)

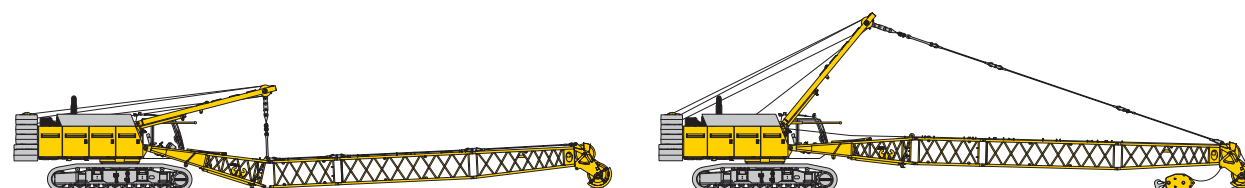


Unloading and assembly of carbody counterweight

Unloading and assembly of boom



Unloading and assembly of counterweight



Assembly of boom and reeving of hoist ropes

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