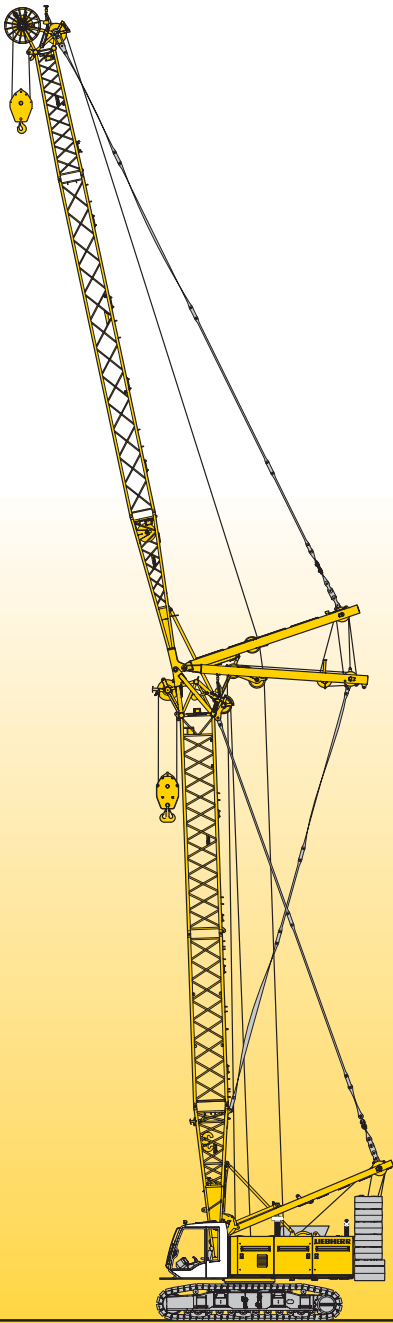




Technical data
Hydraulic lift crane

LR 1100
Litronic®

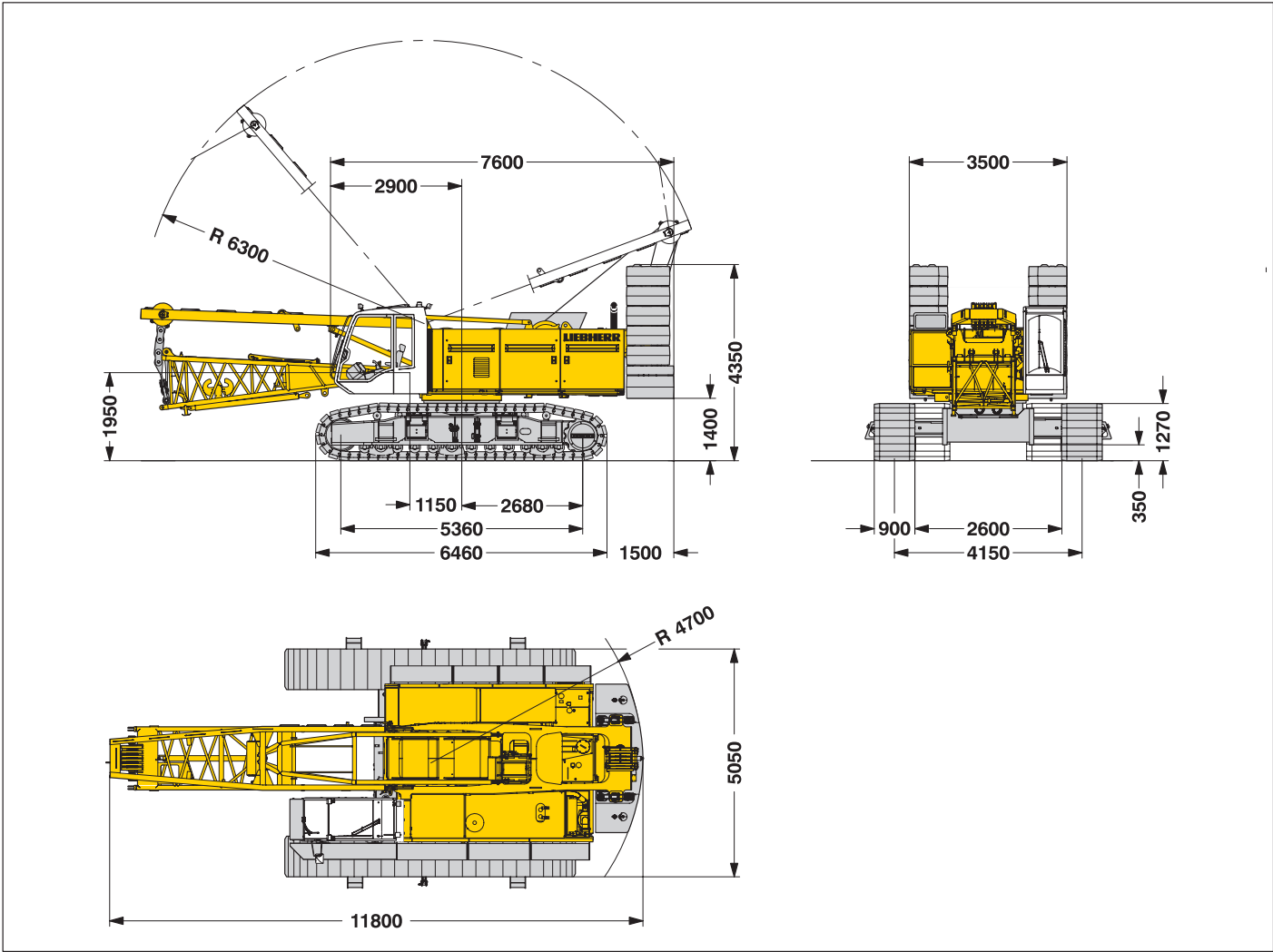


LIEBHERR



Dimensions

Basic machine with undercarriage



Operating weight

The operating weight includes the basic machine with crawlers, 2 main winches 120 kN and 14 m main boom, consisting of A-frame, boom foot (5.5 m), boom head (8.5 m), 32.3 t basic counterweight, 15 t carbody counterweight and 100 t hook block.

Total weight _____ approx. 109.8 t

Ground pressure

Ground bearing pressure _____ 1.14 kg/cm²

Equipment

Main boom (No. 1311.xx) max. length _____ 68 m
High reach (1311.xx and 1008.xx) _____ 83 m
Luffing jib (No. 1008.xx) max. length _____ 62 m
Max. combination _____ boom 38 m and luffing jib 62 m
Fixed jib (No. 0806.xx) _____ 11 m – 32 m
Auxiliary jib 24 t lifting capacity (option 36 t)

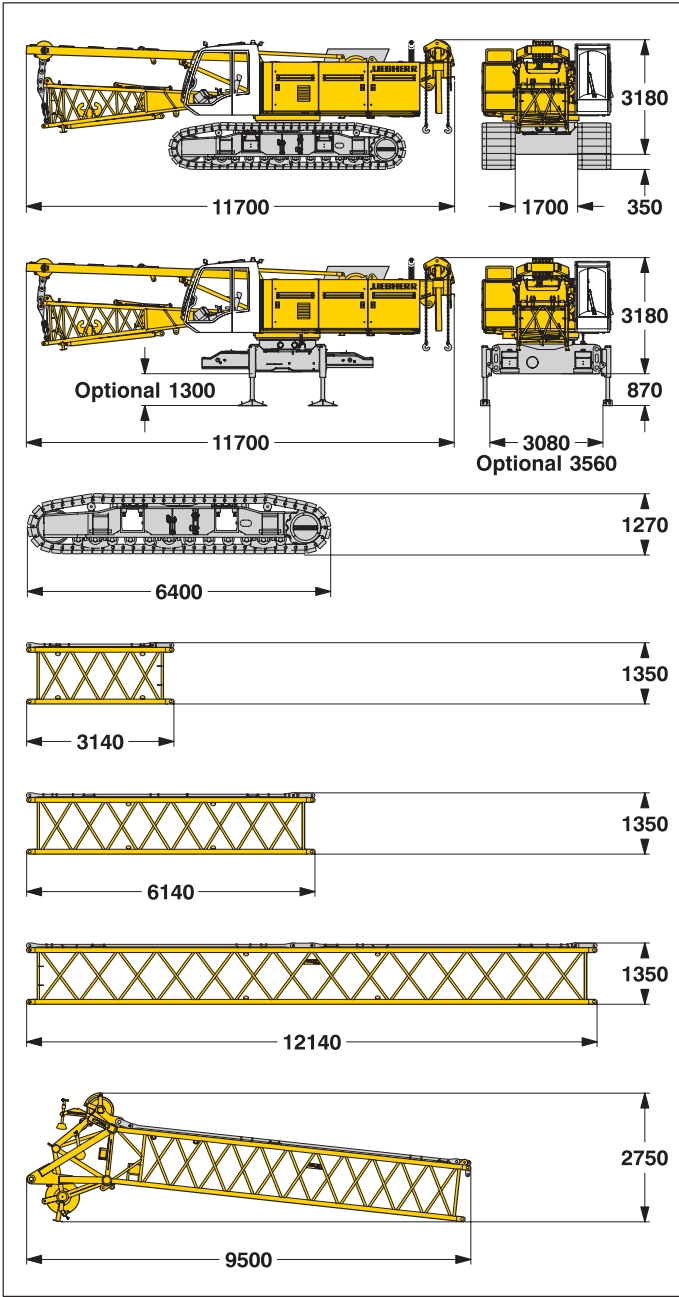
Remarks

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. 1311.xx)



*) Including pendant straps

Basic machine

with undercarriage, boom foot (No. 1311.22), A-frame, 2x 120 kN crane winches including wire ropes (260 m), without basic counterweight

Width	mm	3500
Weight	kg	57150

Basic machine

with boom foot (No. 1311.22), A-frame, 2x 120 kN crane winches including wire ropes (260 m), without basic counterweight and crawlers

Width	mm	3500
Weight	kg	36750

Crawler

2x

Flat track shoes	mm	900
Width	mm	915
Weight	kg	10200

Boom section (No. 1311.22)

3 m

Width	mm	1400
Weight*	kg	590

Boom section (No. 1311.22)

6 m

Width	mm	1400
Weight*	kg	880

Boom section (No. 1311.21)

12 m

Width	mm	1400
Weight*	kg	1320

Boom head (No. 1311.21)

Width	mm	1650
Weight*	kg	2300

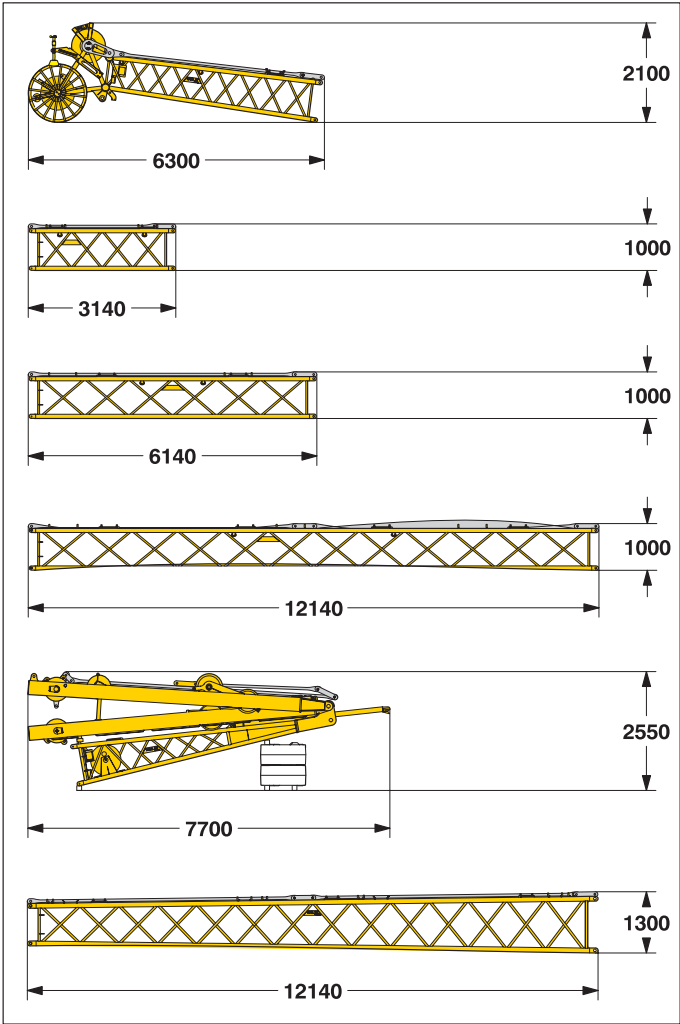
Boom transport option

Length	mm	12140
Weight*	kg	5280



Transport dimensions and weights

Luffing jib (No. 1008.xx)



Luffing jib head (No. 1008.17)

Width	mm	1100
Weight*	kg	970

Luffing jib section (No. 1008.17) 3 m

Width	mm	1100
Weight*	kg	300

Luffing jib section (No. 1008.17) 6 m

Width	mm	1100
Weight*	kg	455

Luffing jib section (No. 1008.17) 12 m

Width	mm	1100
Weight*	kg	850

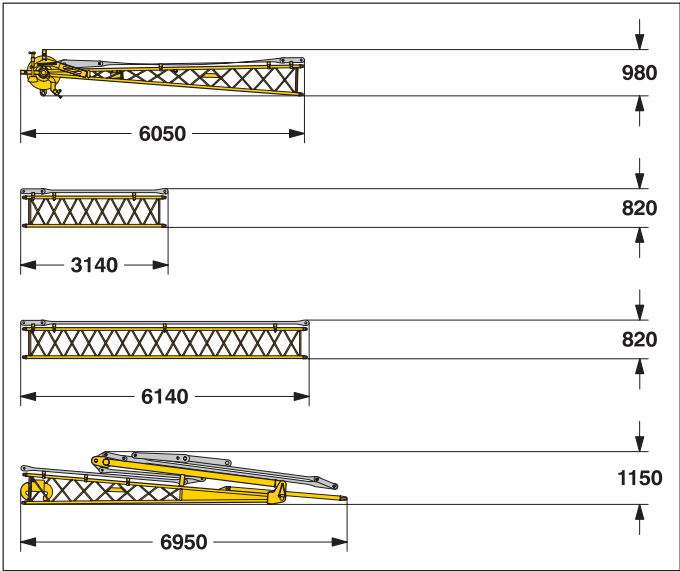
Luffing jib foot with A-frames (No. 1008.20)

Width	mm	1650
Weight*	kg	3650

Boom section tapered (No. 1311/1008.21) 12 m

Width	mm	1400
Weight*	kg	960

Fixed jib (No. 0806.xx)



Fixed jib head (No. 0806.16)

Width	mm	950
Weight*	kg	460

Fixed jib section (No. 0806.15) 3 m

Width	mm	950
Weight*	kg	145

Fixed jib section (No. 0806.15) 6 m

Width	mm	950
Weight*	kg	250

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

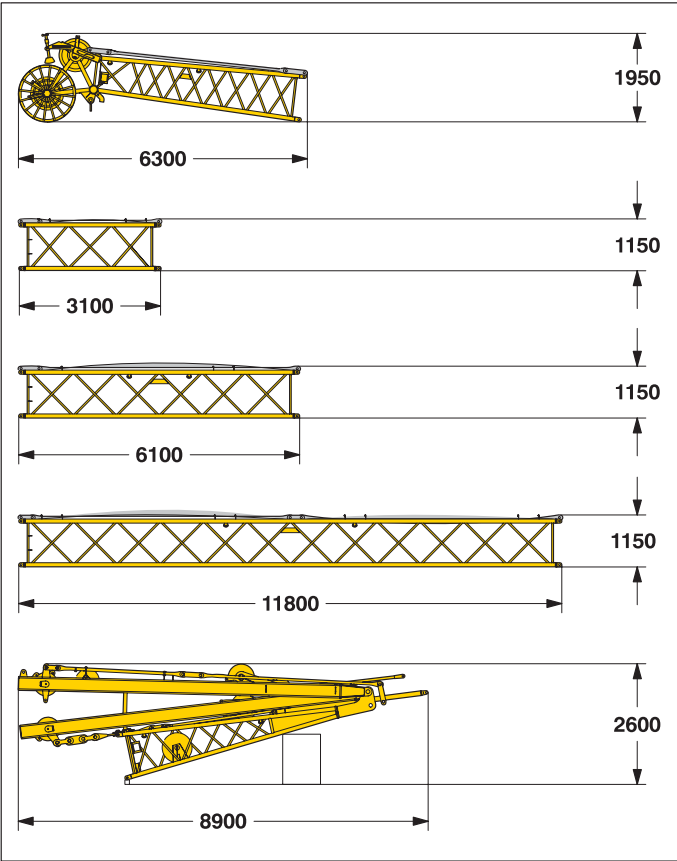
Width	mm	2200
Weight*	kg	1010

*) Including pendant straps



Transport dimensions and weights

Luffing jib (No. 1309.xx)



*) Including pendant straps

Luffing jib head (No. 1309.22)			
Width	mm		1390
Weight*	kg		1600

Luffing jib section (No. 1309.20) 3 m			
Width	mm		1390
Weight*	kg		420

Luffing jib section (No. 1309.20) 6 m			
Width	mm		1390
Weight*	kg		520

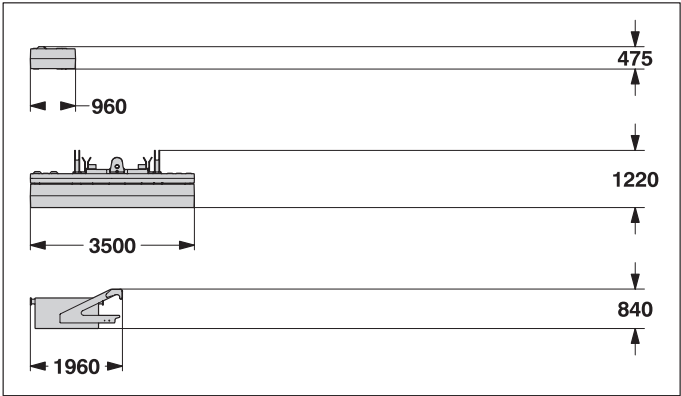
Luffing jib section (No. 1309.20) 11.7 m			
Width	mm		1390
Weight*	kg		960

Luffing jib foot with A-frames (No. 1309.20)			
Width	mm		1700
Weight*	kg		4450



Transport dimensions and weights

Counterweight

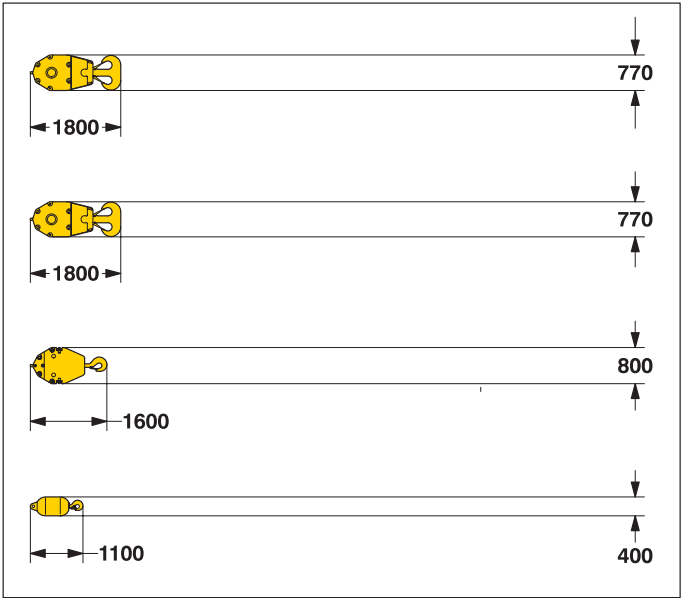


Counterweight		10x
Width	mm	850
Weight	kg	1500

Counterweight		1x
Width	mm	1050
Weight	kg	17300

Carbody counterweight		2x
Width	mm	1640
Weight	kg	7500

Hooks



100 t hook block - 5 sheaves	
Width	mm 540 — 640 — 770
Weight	kg 1300 — 1800 — 2300

80 t hook block - 3 sheaves	
Width	mm 360 — 460 — 560
Weight	kg 1000 — 1500 — 2000

40 t hook block - 1 sheave	
Width	mm 300 — 400 — 500
Weight	kg 700 — 1100 — 1500

12.5 t single hook	
Width	mm 400
Weight	kg 600



Technical description



Engine

Power rating according to ISO 9249, 270 kW (362 hp) at 2000 rpm
Engine type ————— Liebherr D 936 L A6
Fuel tank ————— 800 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

A double axial displacement pump supplies the open loop hydraulic system, allowing all functions to be operated simultaneously. To minimize peak pressure an automatic working pressure cut-off is integrated in the pump. All filters are electronically monitored.
The use of synthetic environmentally friendly (biodegradable) oils is possible.
Working pressure ————— max. 350 bar
Oil tank capacity ————— 650 l



Luffing jib winch

Line pull ————— max. 105 kN
Rope diameter ————— 20 mm
Jib luffing ————— 48 sec. from 15° to 78°



Boom winch

Line pull ————— max. 126 kN
Rope diameter ————— 20 mm
Boom up ————— 44 sec. from 15° to 86°



Swing

Consists of rollerbearing with external teeth, swing drive with fixed axial piston hydraulic motor, spring loaded and hydraulically released multi-disc holding brake, planetary gearbox and pinion.
Both swing modes are possible – speed control or free swing.
A multi-disc holding brake acts automatically at zero swing motion.
Swing speed from 0 – 1.8 rpm continuously variable.



Main winches

Line pull (1st layer) ————— max. 175 kN
Line pull (7th layer) ————— 120 kN
Rope diameter ————— 26 mm
Drum diameter ————— 580 mm
Rope speed m/min ————— 0 – 136
Rope capacity in 7 layers ————— 489 m
The winches are outstanding in their compact design and easy assembly. Propulsion is via a planetary gearbox in an oil bath.
Load support by the hydraulic system; additional safety factor provided by a spring loaded, multi-disc holding brake.
The main 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 – winch with freefall system:
Clutch and braking functions on the freefall system are provided by a compact designed, low wear and maintenance free multi-disc brake.



Crawlers

Propulsion through axial piston motor, hydraulically released spring loaded multi-disc brake, crawler tracks, hydraulic chain tensioning device.
Flat track shoes ————— 900 mm
Drive speed ————— 0 – 1.35 km/h



Control

The control system – developed and manufactured by Liebherr – is designed to withstand extreme environmental conditions such as temperature, vibration and electromagnetic interference and to meet all requirements that are needed in heavy duty crane operation.
Complete machine operating data are shown on a high resolution display. Standard operational information is displayed by means of graphical symbols, fault indications are displayed in plain text (more than 15 languages available).
The cranes are equipped with proportional control for all main movements, which can be carried out simultaneously.
The crane is operated with 2 multi-directional joysticks, the right for winch I and boom, the left for winch II and swing control.
Option:
Bi-directional double T-levers for simultaneous boom and luffing jib operation.
The crawlers are activated by the two central foot pedals. Additionally, hand levers can be attached to the pedals.
Remote control for assembly of counterweight.

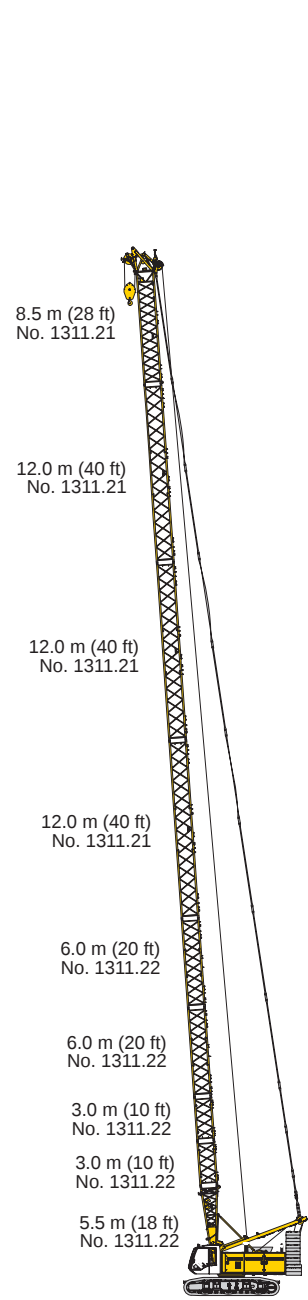


Noise emission

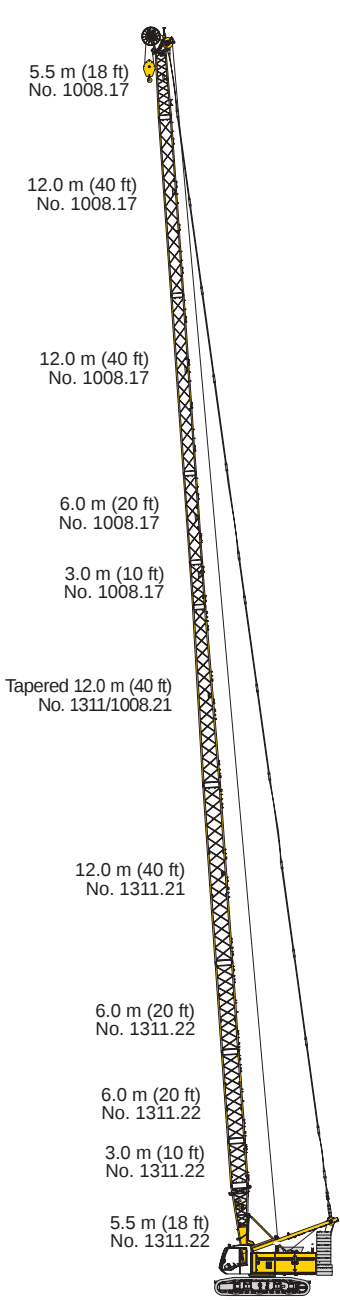
Noise emissions correspond with 2000/14/EC directive on noise emission by equipment used outdoors.



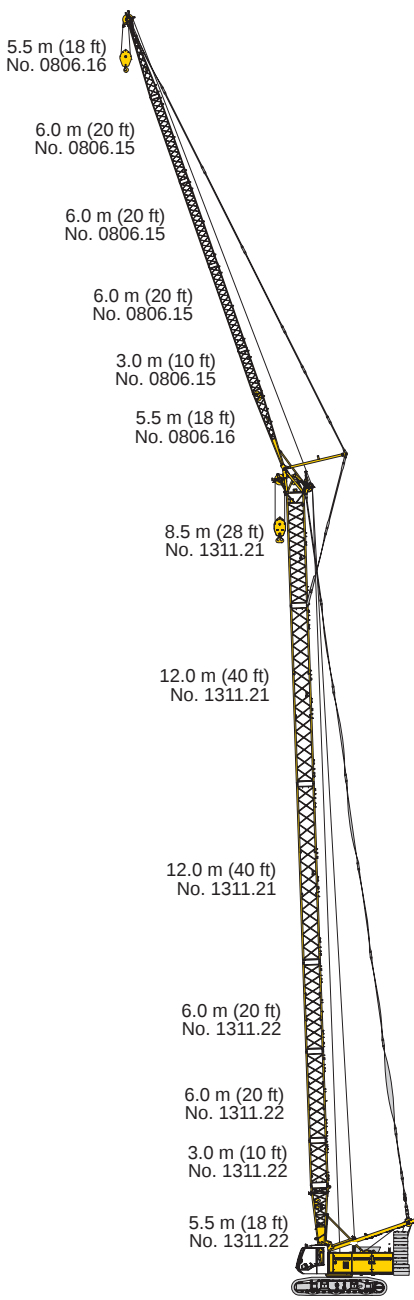
Boom combinations



Main boom No. 1311.xx — 68 m



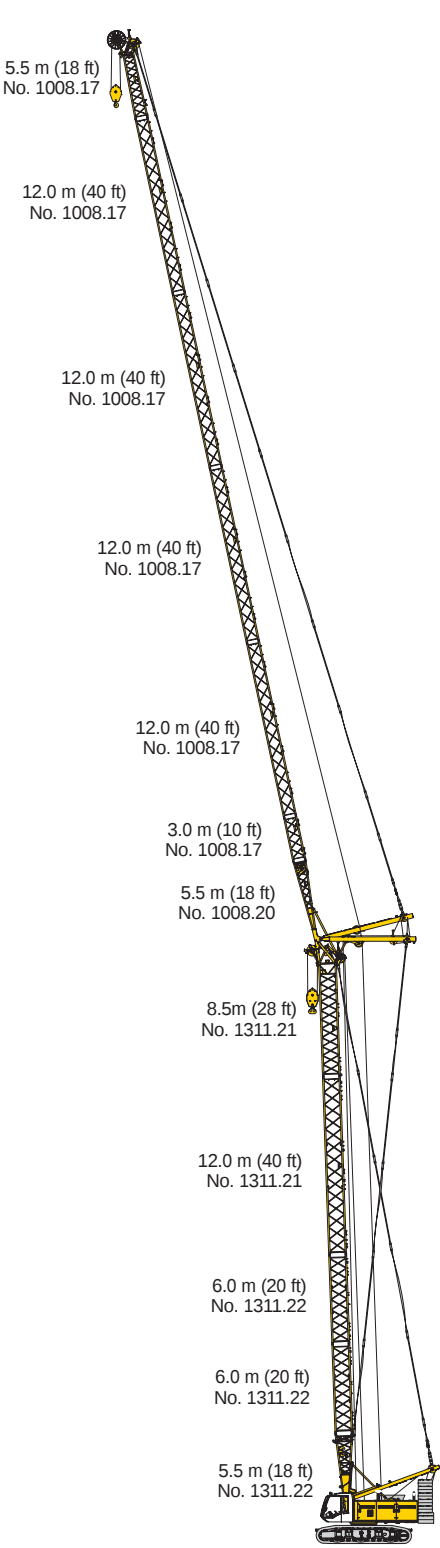
Max. combination — 83.0 m
Main boom No. 1311.xx — 32.5 m
Tapered No. 1311/1008.xx — 12.0 m
Luffing jib No. 1008.xx — 38.5 m



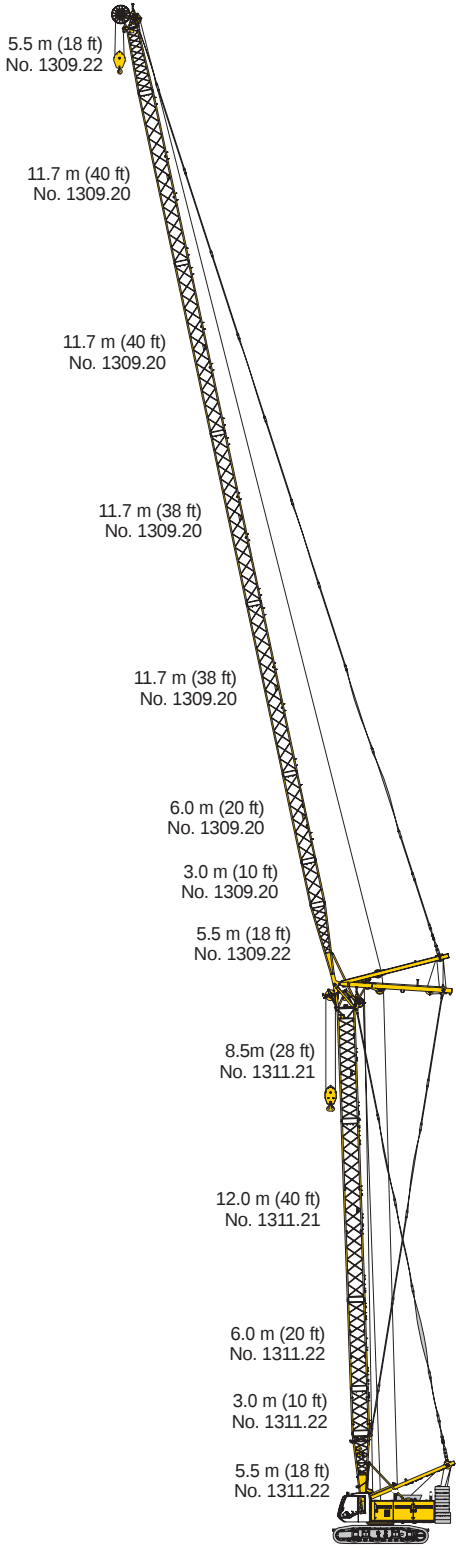
Max. combination — 85.0 m
Main boom No. 1311.xx — 53.0 m
Fixed jib No. 0806.xx — 32.0 m



Boom combinations



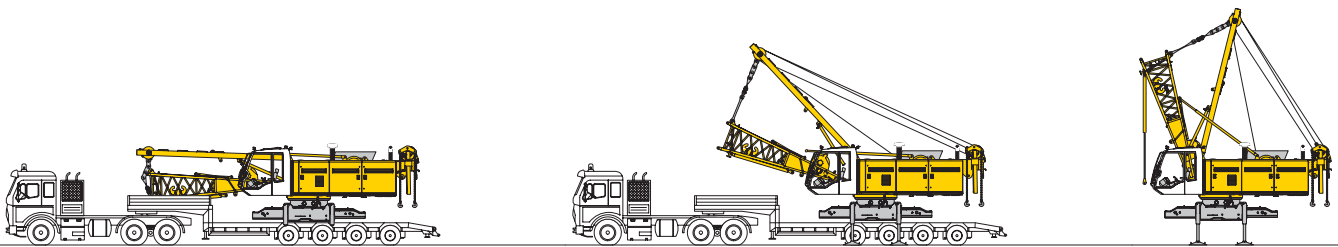
Max. combination	100.0 m
Main boom No. 1311.xx	38.0 m
Luffing jib No. 1008.xx	62.0 m
Main boom No. 1311.xx	41.0 m
Luffing jib No. 1008.xx	44.0 m



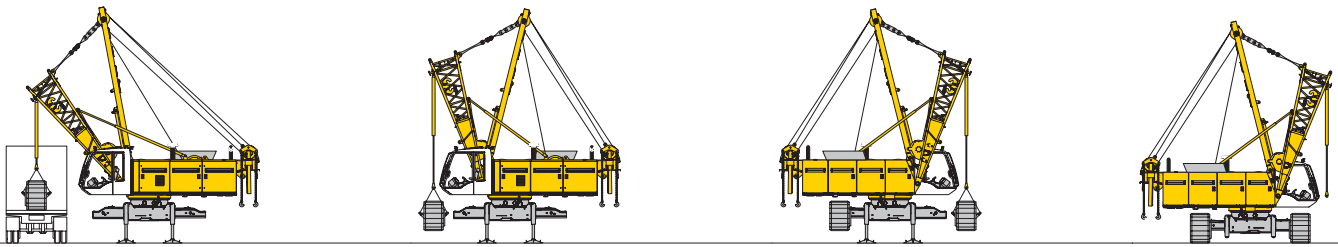
Max. combination	101.8 m
Main boom No. 1311.xx	35.0 m
Luffing jib No. 1309.xx	66.8 m
Main boom No. 1311.xx	38.0 m
Luffing jib No. 1309.xx	46.1 m



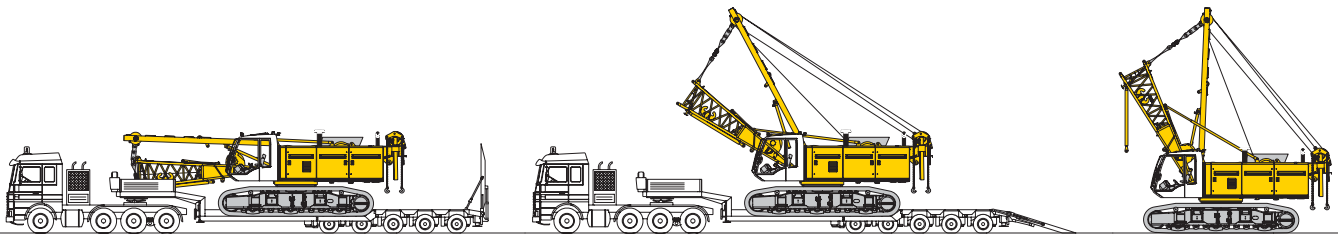
Self assembly system



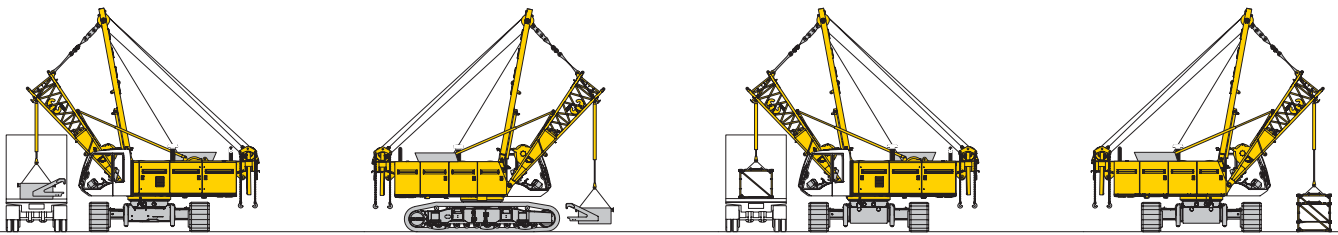
Unloading of basic machine (Optional)



Unloading and assembly of crawlers

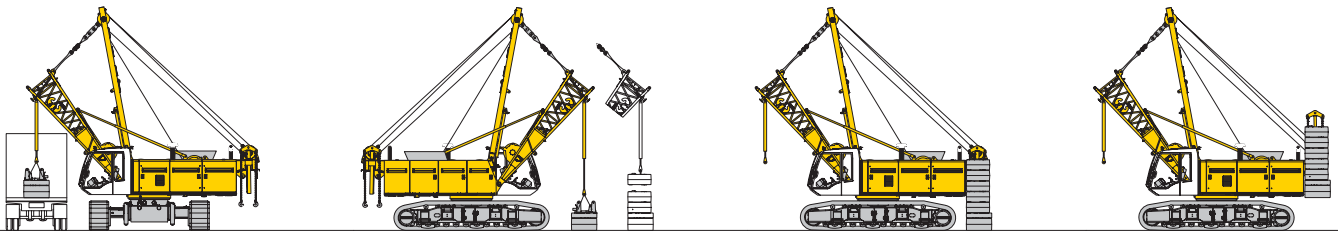


Unloading of basic machine (Standard)



Unloading and assembly of carbody counterweight

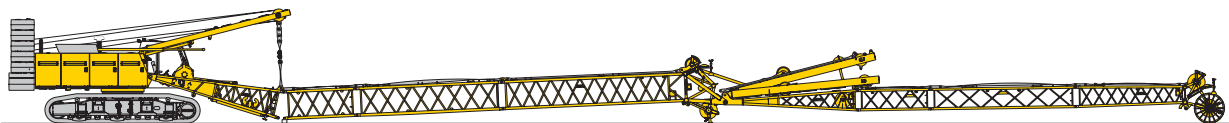
Unloading and assembly of boom



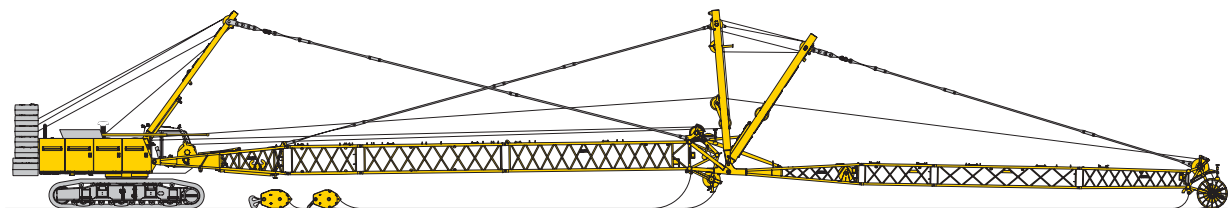
Unloading and assembly of counterweight



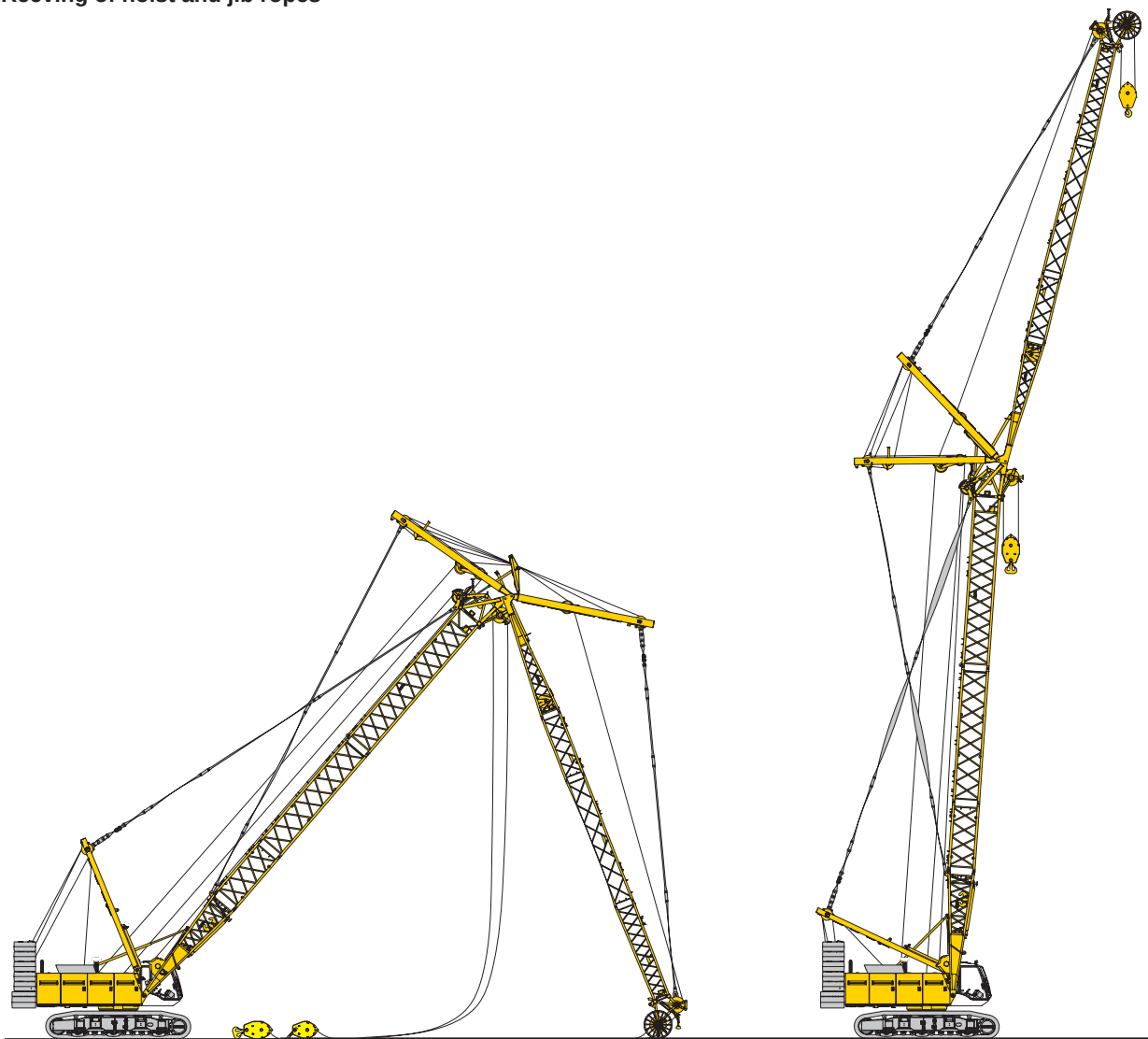
Erecting of main boom to working position



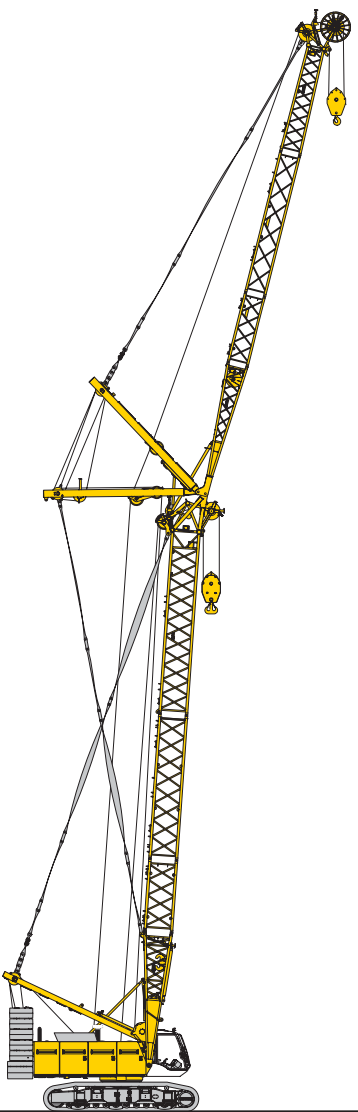
Assembly of boom



Reeving of hoist and jib ropes



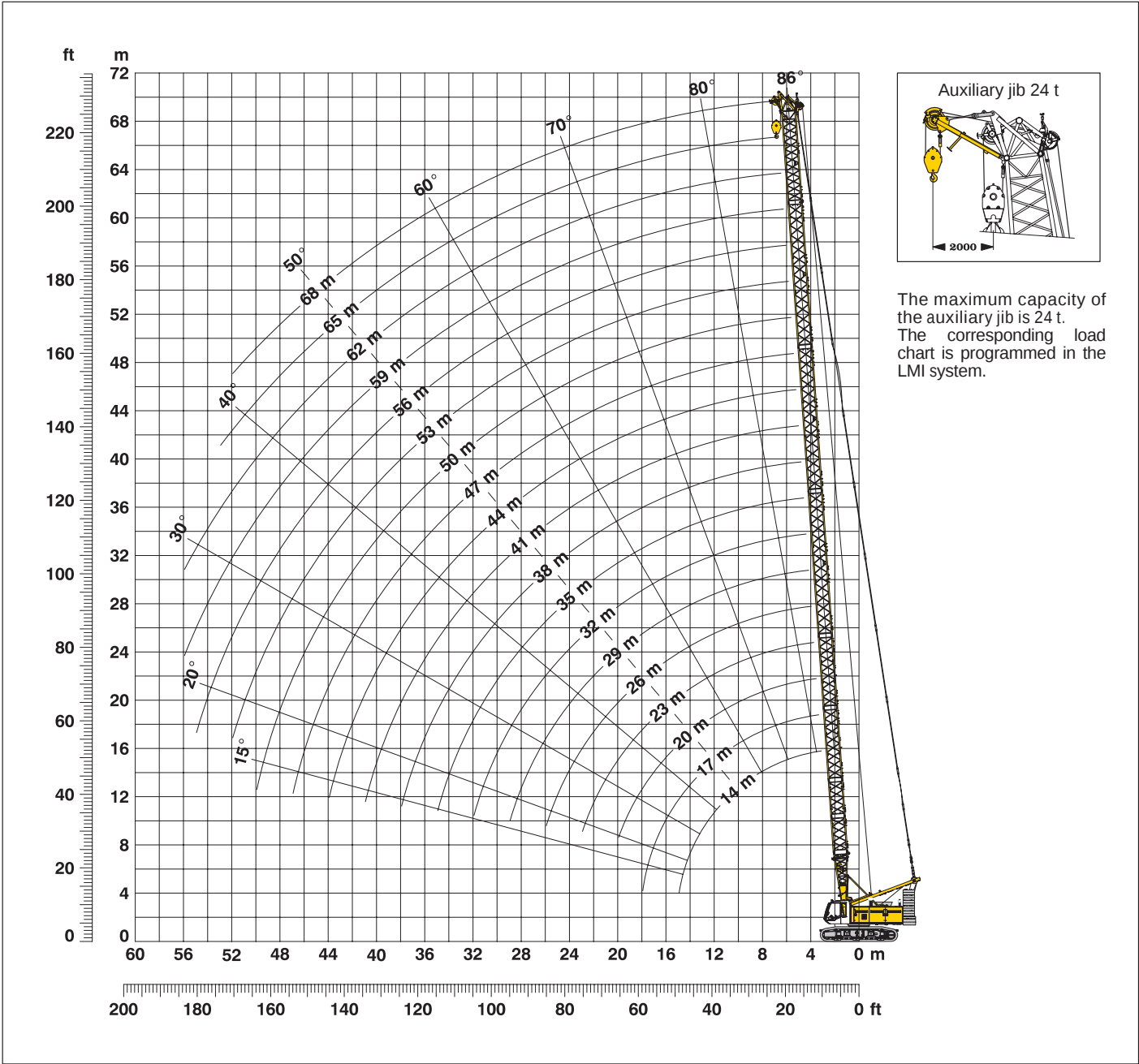
Erecting of main boom and luffing jib



Working position



Working range - main boom (No. 1311.xx) **86° - 15°**
32.3 t counterweight and 15 t carbody counterweight



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

Configuration for boom lengths (14 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
Boom insert	3.0 m		1		1		1		1		1		1		1		1		1
Boom insert	6.0 m			1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2
Boom insert	12.0 m							1	1	1	1	2	2	2	2	3	3	3	3
Boom head	8.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom length (m)		14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65



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

Capacities in metric tons for boom lengths (14 m – 68 m) – with 120 kN winches 32.3 t counterweight and 15 t carbody counterweight											
Boom length in (m)											
Radius	14	20	26	32	38	44	50	56	62	68	Radius
(m)	t	t	t	t	t	t	t	t	t	t	(m)
3.1	104.5										3.1
4	103.7	94.1	78.0								4
5	82.2	73.2	65.8	59.8	50.5						5
6	65.8	59.7	54.6	50.2	46.4	35.2	27.7				6
7	54.8	50.3	46.5	43.2	40.2	34.3	26.9	18.6	15.2	10.9	7
8	46.8	43.4	40.4	37.8	35.3	33.1	26.2	18.2	14.9	10.8	8
9	39.5	38.1	35.6	33.5	31.5	29.7	25.2	17.9	14.6	10.5	9
10	34.1	33.9	31.8	30.0	28.3	26.8	24.5	17.5	14.2	10.2	10
12	26.6	26.7	26.1	24.8	23.4	22.3	21.1	16.9	13.5	9.7	12
14	21.6	21.7	21.6	20.9	19.9	18.9	17.9	15.9	13.0	9.3	14
16		18.1	18.0	18.0	17.1	16.3	15.5	14.7	12.1	8.9	16
18		15.5	15.4	15.3	15.0	14.3	13.5	12.8	10.9	8.4	18
20		13.3	13.3	13.2	13.0	12.6	12.0	11.4	10.6	8.1	20
22			11.7	11.6	11.4	11.2	10.6	10.1	9.5	7.8	22
24			10.3	10.3	10.1	9.9	9.5	9.0	8.4	7.3	24
26			9.1	9.1	8.9	8.8	8.5	8.0	7.5	6.9	26
28				8.2	8.0	7.8	7.6	7.2	6.7	6.2	28
30				7.3	7.1	7.0	6.7	6.5	6.0	5.5	30
32				6.6	6.4	6.3	6.0	5.8	5.4	4.9	32
34					5.8	5.6	5.4	5.2	4.8	4.4	34
36					5.2	5.1	4.8	4.7	4.3	3.9	36
38					4.7	4.6	4.4	4.2	3.9	3.4	38
40						4.1	3.9	3.7	3.5	3.0	40
42						3.7	3.5	3.3	3.1	2.7	42
44						3.3	3.1	3.0	2.7	2.3	44
46							2.8	2.6	2.4	2.0	46
48							2.5	2.3	2.1		48
50							2.2	2.0			50

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

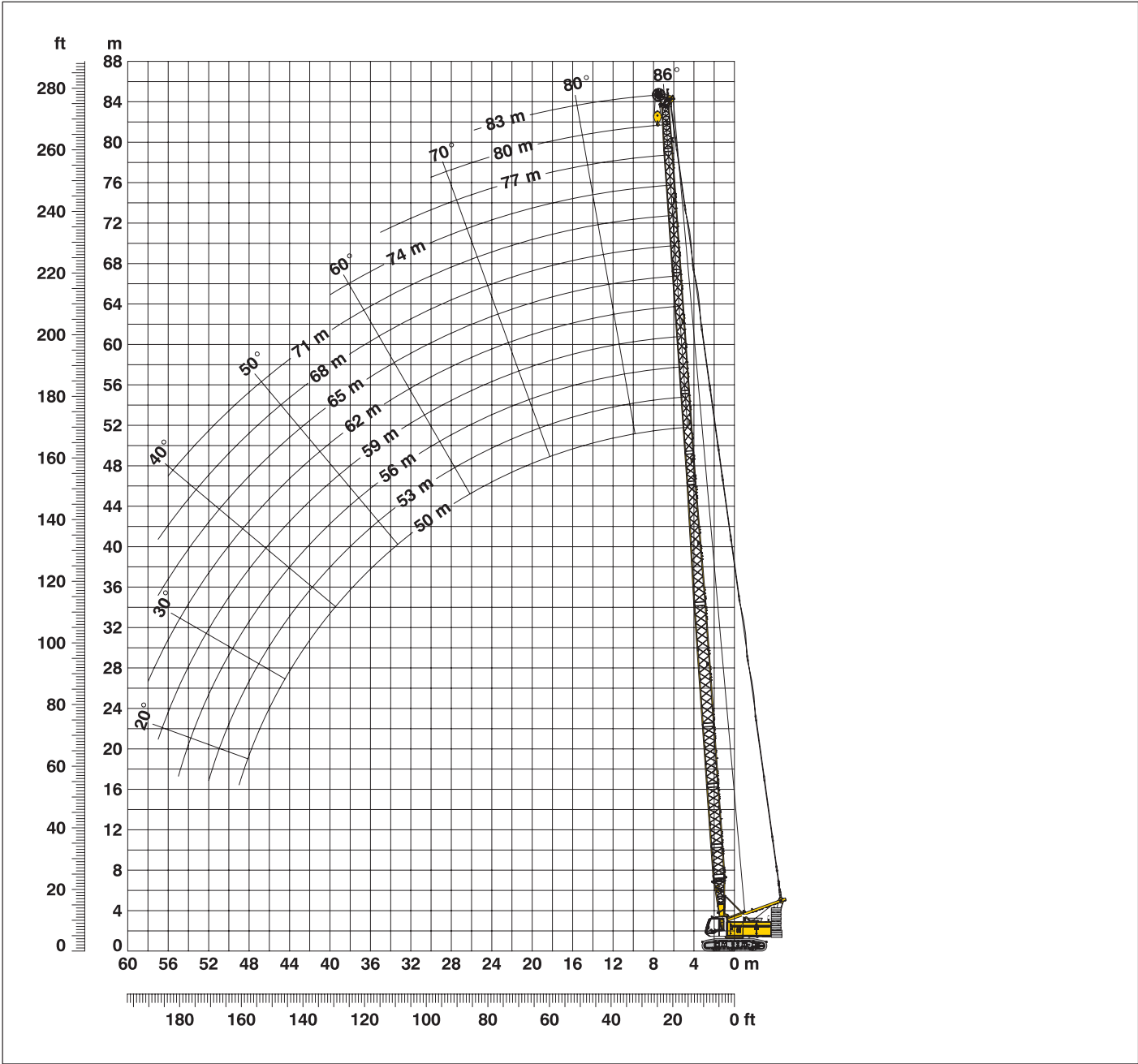


L – boom high reach

(No. 1311 / 1008.xx)

50 m – 83 m

Working range 86° – 15°



L – boom configuration with 32.5 m main boom (No. 1311.xx / No. 1008.xx)

Configuration for L – boom lengths (50 m – 83 m)													
	Length	Amount of boom and luffing jib extensions											
Boom foot	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	3.0 m	1	1	1	1	1	1	1	1	1	1	1	1
Boom insert	6.0 m	2	2	2	2	2	2	2	2	2	2	2	2
Boom insert	12.0 m	1	1	1	1	1	1	1	1	1	1	1	1
Tapered	12.0 m	1	1	1	1	1	1	1	1	1	1	1	1
Luffing insert	3.0 m		1		1		1		1		1		1
Luffing insert	6.0 m			1	1			1	1			1	1
Luffing insert	12 m					1	1	1	1	2	2	2	2
Luffing jib head	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1
Max. L – boom length (m)		50	53	56	59	62	65	68	71	74	77	80	83



Lift chart for L – boom (No. 1311 / 1008.xx)

Main boom length 32.5 m

Capacities in metric tons 32.3 t counterweight and 15 t carbody counterweight				
	L – boom length in (m)			
	50	62	74	83
Radius (m)	t	t	t	t
5.2	27.0			
6	26.6	13.2		
7	25.5	12.8	6.3	
8	24.5	12.2	6.1	3.8
9	23.0	10.7	5.8	3.7
10	22.3	10.2	5.6	3.6
12	20.6	9.4	5.1	3.3
14	18.8	8.6	4.7	3.0
16	16.3	8.0	4.3	2.8
18	14.4	7.4	4.0	2.6
20	12.8	7.0	3.6	2.4
22	11.5	6.4	3.4	2.2
24	10.4	6.0	3.2	
26	9.3	5.7	3.0	
28	8.4	5.4	2.8	
30	7.5	5.2	2.6	
32	6.8	5.0	2.4	
34	6.2	4.7	2.2	
36	5.6	4.5	2.1	
38	5.2	4.3		
40	4.7	4.2		
42	4.3	3.9		
44	4.0	3.7		
46	3.6	3.5		
48	3.3	3.2		
50		2.9		
55		2.3		

Main boom length 44.5 m

Capacities in metric tons 32.3 t counterweight and 15 t carbody counterweight				
	L – boom length in (m)			
	62	68	74	83
Radius (m)	t	t	t	t
6	16.1			
7	15.7	11.1	8.2	
8	15.0	10.7	8.0	5.0
9	14.5	9.9	7.6	4.9
10	13.8	9.4	7.2	4.6
12	12.8	8.4	6.6	4.3
14	11.0	7.8	6.2	4.1
16	10.3	7.3	5.8	3.8
18	9.6	6.7	5.5	3.5
20	9.1	6.2	5.1	3.3
22	8.5	5.7	4.8	3.1
24	8.0	5.3	4.6	2.9
26	7.7	4.9	4.3	2.7
28	7.4	4.6	4.1	2.5
30	6.9	4.4	3.9	2.4
32	6.3	4.3	3.7	2.3
34	5.7	4.1	3.5	2.1
36	5.2	3.9	3.3	
38	4.7	3.7	3.1	
40	4.3	3.4	3.0	
42	3.9	3.2	2.9	
44	3.5	3.0	2.7	
46	3.2	2.8	2.6	
48	2.9	2.7	2.5	
50	2.6	2.5	2.4	
55	2.0			

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

L – boom configuration with 44.5 m main boom (No. 1311.xx / No. 1008.xx)

Configuration for L – boom lengths (62 m – 83 m)									
	Length	Amount of boom and luffing jib extensions							
Boom foot	5.5 m	1	1	1	1	1	1	1	1
Boom insert	3.0 m	1	1	1	1	1	1	1	1
Boom insert	6.0 m	2	2	2	2	2	2	2	2
Boom insert	12.0 m	2	2	2	2	2	2	2	2
Tapered	12.0 m	1	1	1	1	1	1	1	1
Luffing insert	3.0 m		1		1		1		1
Luffing insert	6.0 m			1	1			1	1
Luffing insert	12.0 m					1	1	1	1
Luffing jib head	5.5 m	1	1	1	1	1	1	1	1
Max. L – boom length (m)		62	65	68	71	74	77	80	83



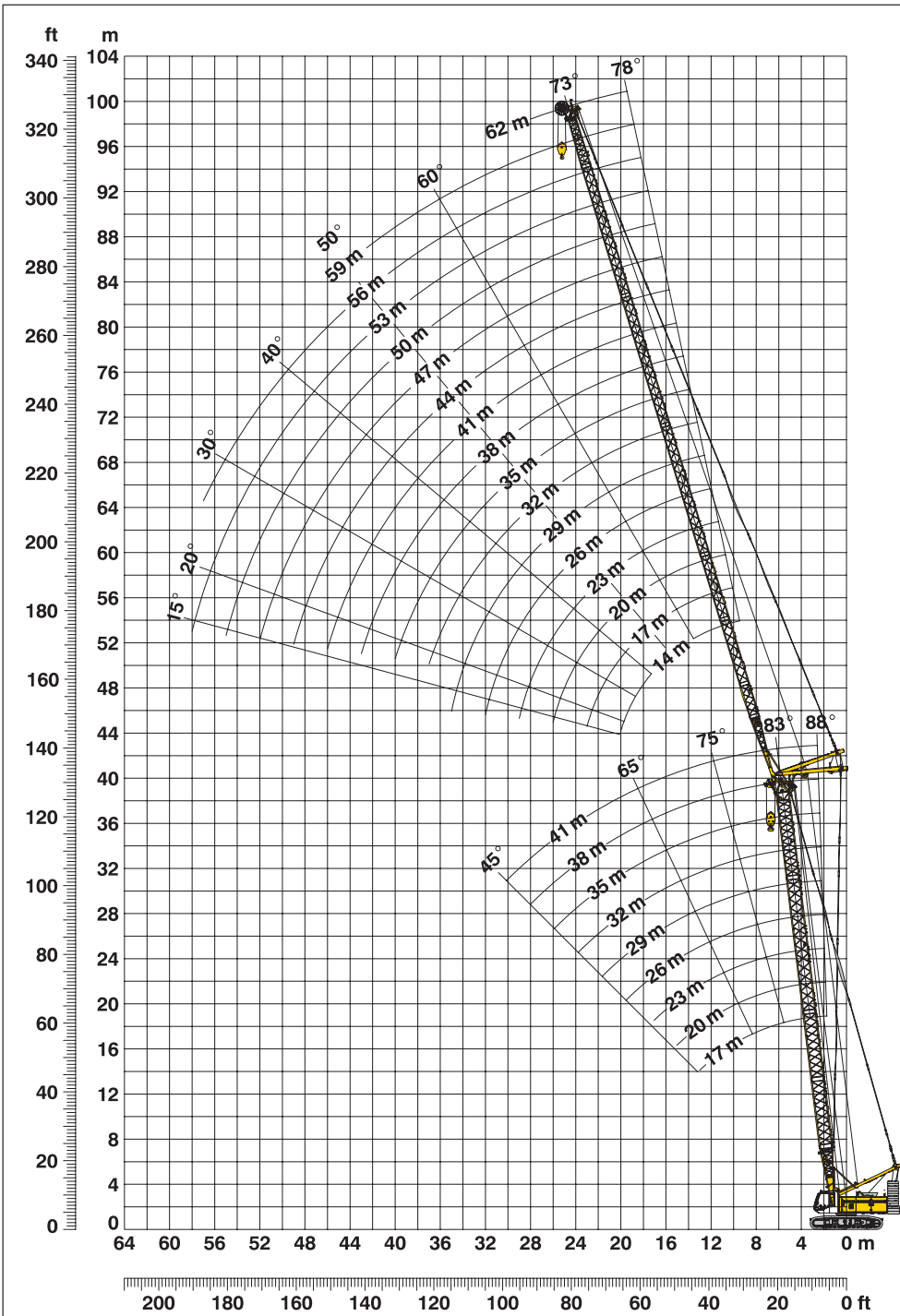
Working range - luffing jib

(No. 1008.xx)

78° - 15°

Main boom

88° - 45°



Boom configuration for main boom lengths (17 m - 41 m) – see table 1 on page 12
Jib configuration for jib lengths (14 m - 62 m)

	Length	Amount of luffing jib extensions															
Luffing jib foot	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Luffing jib insert	3.0 m	1		1		1		1		1		1		1		1	
Luffing jib insert	6.0 m		1	1			1	1			1	1			1	1	2
Luffing jib insert	12.0 m				1	1	1	1	2	2	2	2	3	3	3	3	3
Luffing jib head	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Luffing jib length in (m)		14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59



Lift chart – luffing jib (No. 1008.xx)

Main boom angle 88°

Main boom 17 m

Radius (m)	Jib length (m)							
	14	23	29	35	44	50	56	62
5.9	t	t	t	t	t	t	t	t
8	47.3	39.8						
9	35.6	26.8	18.9					
11	29.3	24.0	17.7	13.3				
13	25.0	20.4	16.4	12.7	7.1			
14	23.2	19.4	15.7	12.4	7.1	5.4		
15	20.7	18.1	15.1	12.2	7.1	5.3	4.1	
16	16.2	16.9	14.5	11.3	7.0	5.2	4.0	2.9
20		13.5	12.2	10.2	6.5	4.6	3.6	2.6
24		9.6	9.8	9.0	6.0	4.3	3.4	2.3
26			9.1	8.6	5.8	4.1	3.2	2.2
28			8.1	8.2	5.7	4.0	3.1	2.1
30			6.9	7.8	5.5	3.9	3.1	2.1
36				5.5	5.1	3.7	2.8	
44					3.9	3.4	2.5	
50						2.9	2.3	
55							2.2	

Main boom 23 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
6.1	t	t	t	t	t	t	t	t
7	42.1	39.9						
8	37.1	24.9						
10	30.3	22.7	16.9					
11	27.7	21.7	16.3	12.3				
13	23.7	19.5	15.3	11.2	7.2			
14	22.1	18.7	14.7	11.0	7.0	5.2		
15	20.7	17.6	14.2	10.8	6.9	5.0	3.8	
17		15.8	13.4	10.3	6.5	4.8	3.7	2.8
20		13.5	11.0	9.6	6.1	4.4	3.5	2.5
24		10.1	9.6	8.7	5.6	4.1	3.2	2.2
28			8.1	7.9	5.4	3.9	3.0	2.0
30			7.3	7.5	5.3	3.7	3.0	
36				5.9	5.0	3.5	2.7	
44					4.2	3.3	2.5	
50						3.1	2.3	
55							2.2	

Main boom 29 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
6.3	t	t	t	t	t	t	t	t
9	33.7	20.6						
10	28.9	19.8	15.1					
11	27.4	18.9	14.7	10.7				
13	25.7	18.9	14.7	10.7				
13	22.5	17.4	13.8	10.4	6.6			
14	21.0	16.7	13.4	10.1	6.5	4.8		
16	18.2	15.2	12.6	9.7	6.2	4.6	3.6	
17		14.6	12.4	9.4	6.0	4.5	3.5	2.6
24		8.5	9.1	8.1	5.3	3.9	3.1	2.1
26			8.3	7.8	5.2	3.8	3.0	2.0
28			7.6	7.3	5.1	3.7	2.9	
30			6.8	6.8	5.0	3.6	2.8	
36				5.0	4.7	3.4	2.6	
44					3.9	3.2	2.4	
50						3.0	2.2	
55							2.1	

Main boom 35 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
6.5	t	t	t	t	t	t	t	t
9	24.9	16.1						
10	21.6	15.6	12.5					
11	20.5	15.6	12.5					
11	19.4	14.9	12.2	9.1				
13	17.6	13.8	10.4	8.9	5.8			
14	16.7	13.3	10.2	8.7	5.8	4.3		
16	15.2	12.2	9.4	8.3	5.5	4.2	3.3	
17	9.3	10.4	9.2	8.0	5.4	4.1	3.2	2.3
20		9.2	8.3	7.4	5.2	3.9	3.0	2.2
22		8.4	7.9	7.0	5.0	3.7	2.9	2.0
24		7.2	7.3	6.6	4.8	3.6	2.8	
30			5.5	5.5	4.5	3.3	2.6	
36				4.3	3.9	3.1	2.4	
46					3.1	2.6	2.1	
48						2.5		
50						2.3		

Main boom 38 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
6.6	t	t	t	t	t	t	t	t
9	21.6	14.6						
10	19.2	14.2	10.1					
11	18.3	13.5	10.0	8.2				
13	17.4	12.5	9.5	8.0	5.3			
15	15.6	10.2	8.9	7.7	5.2	4.0		
16	14.1	9.7	8.6	7.6	5.1	3.9	3.0	
17	13.7	9.3	8.3	7.3	5.0	3.9	3.0	2.2
20	8.3	8.0	7.4	6.7	4.8	3.7	2.9	2.0
24		6.3	6.5	6.0	4.5	3.4	2.7	
30			5.0	5.1	4.1	3.2	2.5	
36				4.2	3.6	2.9	2.3	
42					3.0	2.6	2.1	
46					2.6	2.4		
50						2.1		

Main boom 41 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44			
6.8	t	t	t	t	t			
9	19.1	13.0						
10	17.2	12.8	9.0					
12	16.5	10.4	8.8	7.2				
13	14.8	9.9	8.6	7.1	4.9			
14	14.1	9.4	8.4	7.0	4.8			
15	13.3	9.0	8.1	6.9	4.8			
16	12.7	8.5	7.7	6.8	4.8			
17	12.5	8.0	7.5	6.6	4.7			
24	7.5	5.4	5.7	5.3	4.2			
30			4.6	4.6	3.7			
36				3.9	3.3			
38					3.1			
42					2.7			
46					2.3			

Capacities in metric tons with luffing jib (No. 1008.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 – luffing jib (No. 1008.xx)

Main boom angle 83°

Main boom 17 m

	Jib length in (m)							
	14	23	29	35	44	50	56	62
Radius (m)	t	t	t	t	t	t	t	t
8.6	35.8							
12	26.0	24.1						
13	24.0	22.4	17.1					
15	20.9	19.5	16.1	12.4				
16	19.5	18.3	15.5	12.2				
18		16.3	14.4	11.2	7.0			
20		14.6	13.2	10.6	6.7	4.8		
22		13.1	12.2	10.1	6.4	4.5	3.6	
24		11.2	10.6	9.6	6.1	4.4	3.4	2.4
26		9.7	9.9	9.1	5.9	4.2	3.3	2.3
28			9.3	8.8	5.8	4.1	3.2	2.2
32			7.1	7.9	5.6	3.9	3.1	2.0
38				5.7	5.2	3.6	2.8	
46					4.1	3.4	2.5	
50						3.2	2.4	
55							2.3	

Main boom 23 m

	Jib length in (m)							
	14	23	29	35	44	50	56	62
Radius (m)	t	t	t	t	t	t	t	t
9.4	30.7							
12	24.3	22.5						
14	21.0	19.6	15.7					
16	18.4	17.2	14.8	11.0				
18	16.5	15.4	13.9	10.5				
19		14.6	13.5	10.3	6.5			
20		13.8	13.0	10.1	6.3	4.6		
22		12.6	11.2	9.7	6.1	4.4	3.4	
24		11.5	10.7	9.3	5.8	4.2	3.3	2.3
26		10.5	9.9	8.9	5.7	4.1	3.2	2.2
30			8.5	8.2	5.5	3.9	3.0	2.1
32			7.6	7.7	5.4	3.8	3.0	
38				6.1	5.1	3.6	2.8	
46					4.4	3.3	2.5	
50						3.3	2.4	
55							2.3	

Main boom 29 m

	Jib length in (m)							
	14	23	29	35	44	50	56	62
Radius (m)	t	t	t	t	t	t	t	t
10.1	26.5							
13	21.0	19.6						
15	18.4	17.2	13.9					
17	16.3	15.3	13.3	9.9				
19	14.7	13.7	12.6	9.5	6.0			
22		11.6	10.9	9.0	5.7	4.2		
24		10.9	10.3	8.7	5.5	4.0	3.2	
26		9.8	9.6	8.4	5.4	3.9	3.1	2.1
28		8.0	8.8	8.1	5.3	3.8	3.0	2.1
32			6.9	7.2	5.1	3.6	2.8	
38				5.3	4.9	3.4	2.6	
48					3.5	3.2	2.4	
50						3.2	2.3	
60							2.1	

Main boom 35 m

	Jib length in (m)							
	14	23	29	35	44	50	56	
Radius (m)	t	t	t	t	t	t	t	
10.8	22.4							
14	18.3	14.8						
16	16.2	13.8	11.2					
17	15.3	13.3	10.8	8.5				
20	10.1	11.2	9.8	8.1	5.3			
22		10.6	9.3	7.7	5.2	3.8		
24		9.6	8.8	7.3	5.0	3.7	2.9	
28		7.2	7.8	6.7	4.8	3.5	2.8	
34			5.4	6.1	4.6	3.3	2.6	
38				5.0	4.4	3.2	2.5	
40				4.3	4.3	3.1	2.4	
48					3.5	2.9	2.2	
50						2.9	2.2	
55							2.1	

Main boom 38 m

	Jib length in (m)							
	14	23	29	35	44	50	56	
Radius (m)	t	t	t	t	t	t	t	
11.2	19.4							
14	17.1	13.2						
16	15.7	12.4	9.9					
18	14.0	11.2	9.4	7.6				
20	12.7	10.1	8.8	7.3	4.9			
22		9.3	8.2	6.9	4.8	3.6		
24		8.5	7.7	6.6	4.6	3.6	2.8	
28		6.6	6.9	6.0	4.4	3.4	2.6	
34			5.0	5.5	4.1	3.2	2.5	
40				4.1	3.8	3.0	2.3	
48					3.3	2.8	2.1	
50						2.7	2.1	
55						2.5		

Main boom 41 m

	Jib length in (m)							
	14	23	29	35	44			
Radius (m)	t	t	t	t	t			
11.5	17.0							
15	14.5	11.0						
16	14.0	10.6	8.7					
18	13.2	9.8	8.3	6.7				
20	12.3	8.9	7.7	6.4				
22		8.1	7.2	6.1	4.5			
28		5.8	6.0	5.3	4.1			
34			4.6	4.8	3.7			
40				3.8	3.5			
42					3.4			
44					3.3			
46					3.2			
48					3.0			

Capacities in metric tons with luffing jib (No. 1008.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 – luffing jib

(No. 1008.xx)

Main boom angle 75°

Main boom 17 m

	Jib length in (m)							
	14	23	29	35	44	50	56	62
Radius (m)	t	t	t	t	t	t	t	t
12.8	23.0							
17	17.2	16.2						
20	14.0	13.8	13.1					
22		12.4	11.9	10.4				
26		10.1	9.9	9.5	6.0			
28		9.1	9.0	8.8	5.9	4.1		
32			7.6	7.4	5.6	4.0	3.1	
34			7.0	6.9	5.6	3.9	3.0	2.0
40				5.4	5.2	3.6	2.8	
48					3.9	3.4	2.6	
50						3.4	2.5	
55						2.9	2.4	
60							2.3	

Main boom 23 m

	Jib length in (m)							
	14	23	29	35	44	50	56	
Radius (m)	t	t	t	t	t	t	t	
14.4	18.9							
19	14.3	13.3						
20	13.6	12.7						
22		11.5	11.0					
24		10.5	10.0	9.5				
28		8.8	8.5	8.1	5.6			
30		8.0	7.9	7.5	5.5	3.9		
34			6.7	6.5	5.4	3.8	3.0	
36			6.2	6.0	5.3	3.7	2.9	
42				4.8	4.5	3.5	2.7	
50					3.4	3.2	2.5	
55						2.7	2.4	
60							2.1	

Main boom 29 m

	Jib length in (m)							
	14	23	29	35	44	50	56	
Radius (m)	t	t	t	t	t	t	t	
15.9	15.5							
20	12.4	11.5						
22	11.3	10.5						
24		9.6	9.1					
26		8.8	8.4	7.9				
30		7.6	7.1	6.8	5.2			
32		7.0	6.6	6.3	5.2	3.7		
34			6.2	5.8	5.1	3.6	2.8	
36			5.8	5.5	4.9	3.6	2.8	
42				4.5	4.0	3.4	2.6	
50					3.1	2.8	2.4	
55						2.3	2.0	

Main boom 35 m

	Jib length in (m)							
	14	23	29	35	44	50	56	
Radius (m)	t	t	t	t	t	t	t	
17.5	12.9							
22	10.2	9.5						
24	9.4	8.7	8.2					
28		7.4	7.0	6.6				
32		6.4	6.0	5.6	4.7			
34			5.6	5.2	4.6	3.4		
36			5.2	4.9	4.3	3.3	2.5	
38			4.9	4.5	4.0	3.3	2.5	
40				4.3	3.7	3.2	2.5	
44				3.7	3.2	2.9	2.4	
46					3.0	2.7	2.4	
50					2.6	2.4	2.0	

Main boom 38 m

	Jib length in (m)							
	14	23	29	35	44	50	56	
Radius (m)	t	t	t	t	t	t	t	
18.3	11.5							
24	8.9	8.2						
26		7.6	7.1					
28		7.0	6.6	5.9				
32		6.0	5.6	5.3	4.0			
34		5.6	5.2	4.9	4.0	3.2		
36			4.9	4.6	3.9	3.1	2.3	
40			4.3	4.0	3.4	3.1	2.3	
46				3.3	2.8	2.5	2.2	
50					2.4	2.1		

Main boom 41 m

	Jib length in (m)							
	14	23	29	35	44			
Radius (m)	t	t	t	t	t			
19	10.5							
24	8.4	7.7						
26	7.7	7.1	6.2					
28		6.6	5.9	4.9				
32		5.7	5.3	4.7	3.5			
34		5.3	4.9	4.5	3.5			
40			4.0	3.7	3.2			
46				3.0	2.5			
48					2.3			
50					2.2			

Capacities in metric tons with luffing jib (No. 1008.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 – luffing jib

(No. 1008.xx)

Main boom angle 65°

Main boom 17 m

	Jib length in (m)							
	14	23	29	35	44	50	56	
Radius (m)	t	t	t	t	t	t	t	
17.7	15.4							
22	11.7							
24		10.4						
28		8.5	8.3					
30		7.8	7.6	7.4				
36			5.9	5.8	5.4			
40				5.0	4.7	3.6		
42				4.6	4.4	3.6	2.8	
46					3.8	3.5	2.7	
50					3.2	3.1	2.6	
55						2.6	2.4	

Main boom 23 m

	Jib length in (m)							
	14	23	29	35	44	50	56	
Radius (m)	t	t	t	t	t	t	t	
20.3	11.9							
24	9.9							
26		8.6						
30		7.2	6.9					
34		6.1	5.9	5.6				
38			5.1	4.9	4.3			
40			4.7	4.5	4.0			
42				4.2	3.8	3.4		
46				3.6	3.3	3.0	2.6	
50					2.9	2.6	2.3	
55						2.2		

Main boom 29 m

	Jib length in (m)							
	14	23	29	35	44	50		
Radius (m)	t	t	t	t	t	t		
22.8	9.2							
28	7.4	6.8						
30		6.4						
36		5.1	4.8	4.4				
40			4.1	3.8	3.2			
42			3.9	3.6	3.0			
44				3.3	2.8	2.5		
48				2.9	2.4	2.1		
50					2.3			

Main boom 35 m

	Jib length in (m)							
	14	23	29	35	44			
Radius (m)	t	t	t	t	t			
25.4	7.1							
30	5.9							
32		5.0						
34		4.6	4.2					
38		4.0	3.7	3.3				
40			3.4	3.1				
44			3.0	2.7	2.2			
48				2.3				
50				2.2				

Main boom 38 m

	Jib length in (m)							
	14	23	29	35				
Radius (m)	t	t	t	t				
26.6	6.2							
32	5.0	4.5						
36		3.9	3.5					
38		3.6	3.3					
40		3.4	3.0	2.7				
44			2.6	2.3				
46			2.4	2.1				

Main boom 41 m

	Jib length in (m)							
	14	23	29	35				
Radius (m)	t	t	t	t				
27.9	5.3							
32	4.5							
34		3.7						
38		3.2	2.8					
40		3.0	2.6	2.3				
42		2.7	2.4	2.1				
46			2.1					

Capacities in metric tons with luffing jib (No. 1008.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 – luffing jib

(No. 1008.xx)

Main boom angle 45°

Main boom 17 m

	Jib length in (m)							
	14	23	29	35	44			
Radius (m)	t	t	t	t	t			
25.9	8.3							
28	7.6							
34		5.7						
36		5.2						
40			4.3					
42			4.0					
44				3.6				
48				3.1				
55					2.1			

Main boom 23 m

	Jib length in (m)							
	14	23	29	35				
Radius (m)	t	t	t	t				
30.2	5.9							
32	5.5							
38		4.1						
40		3.8						
44			3.1					
46			2.8					
48				2.4				
50				2.3				

Main boom 29 m

	Jib length in (m)							
	14	23						
Radius (m)	t	t						
34.4	4.0							
36	3.8							
42		2.7						
44		2.5						

Main boom 35 m

	Jib length in (m)							
	14	17						
Radius (m)	t	t						
38.7	2.5							
40	2.4							
42		2.1						

Capacities in metric tons with luffing jib (No. 1008.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.



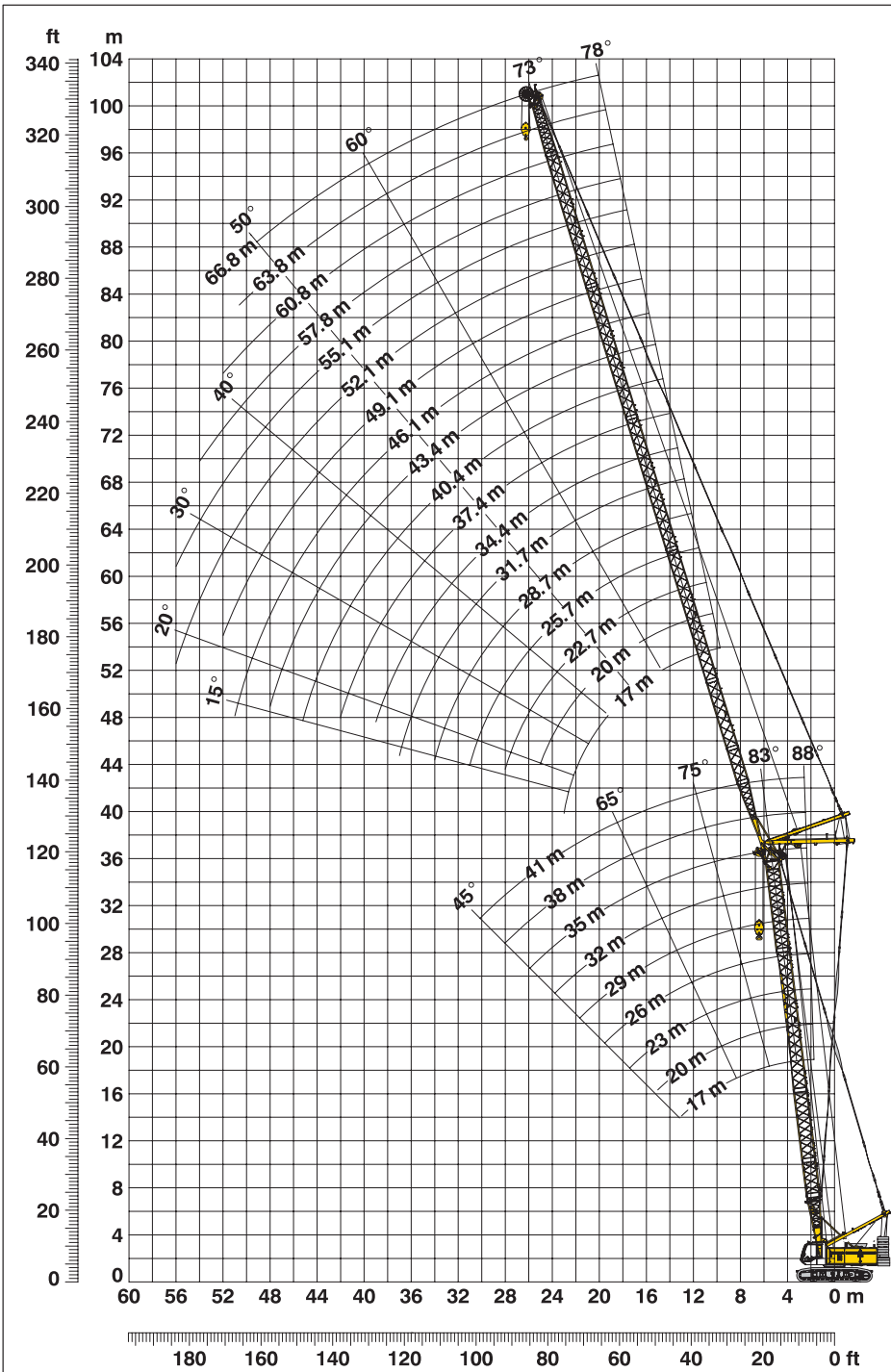
Working range - luffing jib

(No. 1309.xx)

78° - 15°

Main boom

88° - 45°



Boom configuration for main boom lengths (17 m - 41 m) – see table 1 on page 12
Jib configuration for jib lengths (17 m - 66.8 m)

	Length	Amount of luffing jib extensions																
Luffing jib foot	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Luffing jib insert	3.0 m			1		1		1		1		1		1		1		1
Luffing jib insert	6.0 m	1			1	1		1	1			1	1			1		1
Luffing jib insert	11.7 m		1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4
Luffing jib head	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Luffing jib length (m)		17	22.7	25.7	28.7	31.7	34.4	37.4	40.4	43.4	46.1	49.1	52.1	55.1	57.8	60.8	63.8	66.8



Lift chart – luffing jib (No. 1309.xx)

Main boom angle 88°

Main boom 17 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
6.5	t	t	t	t	t	t	t	t
8	45.7	38.8	35.3					
9	34.7	32.7	27.5					
11	28.7	27.3	24.8	21.3				
13	24.4	23.3	22.0	19.2	13.8			
14	22.7	21.7	20.6	18.2	13.3	10.1		
15	21.2	20.3	19.3	17.5	12.9	10.0	8.2	
17	18.7	17.9	17.1	15.7	11.6	9.5	8.0	5.4
18	17.4	16.9	16.1	15.0	11.3	9.3	7.8	5.4
19	16.2	16.0	15.3	14.4	11.1	9.0	7.7	5.2
24		12.1	11.3	11.2	9.1	7.9	6.7	4.8
30			9.0	8.9	7.6	6.7	5.8	4.4
36				6.9	6.3	5.7	5.0	4.0
46					4.5	4.2	3.8	3.2
50						3.7	3.4	2.8
55							2.9	2.3

Main boom 23 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
6.7	t	t	t	t	t	t	t	t
7	38.3	38.1						
8	35.3	29.9						
10	29.6	26.8	22.6					
11	27.1	25.4	21.7	18.4				
13	23.2	22.1	19.7	17.0	11.8			
14	21.6	20.6	18.7	16.3	11.6	9.0		
16	19.0	18.2	17.1	15.0	11.0	8.7	7.2	
18	17.0	16.2	15.3	13.8	10.2	8.4	6.9	4.9
19	16.2	15.4	14.4	13.3	9.9	8.1	6.8	4.8
24		11.3	10.5	10.1	8.4	7.2	6.0	4.4
30			8.1	7.6	6.8	6.1	5.4	4.0
36				6.2	5.5	5.1	4.6	3.6
46					4.0	3.6	3.3	2.7
50						3.2	2.9	2.3
55							2.5	

Main boom 29 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
7	t	t	t	t	t	t	t	t
9	30.6	27.4	22.4					
10	25.8	21.8	18.8					
11	24.5	21.1	18.0	15.3				
13	21.7	19.2	16.6	14.3	9.8			
15	19.3	17.4	15.2	13.3	9.4	7.8		
16	18.1	16.5	14.6	12.8	9.2	7.6	6.2	
18	16.1	15.0	13.3	11.5	8.6	7.2	5.9	4.3
19	15.1	14.0	12.6	11.3	8.4	7.0	5.8	4.3
24		10.3	9.9	9.0	7.2	6.1	5.2	3.9
30			7.7	7.0	5.9	5.3	4.6	3.5
36				5.8	4.9	4.4	3.9	3.1
46					3.7	3.2	2.9	2.2
48						3.1	2.7	2.1
50						2.9	2.5	
55							2.2	

Main boom 35 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
7.2	t	t	t	t	t	t	t	t
9	22.3	20.3	17.4					
10	19.3	16.7	14.1					
11	18.3	15.9	13.6	11.3				
14	15.3	14.0	12.1	10.2	7.3			
15	14.4	13.3	11.4	9.9	7.1	5.8		
16	13.5	12.7	10.9	9.6	6.9	5.7	4.7	
18	12.4	10.3	10.2	8.8	6.4	5.4	4.5	3.3
19	10.6	9.9	9.7	8.5	6.2	5.2	4.4	3.2
24		7.9	7.8	7.0	5.4	4.6	3.8	2.8
30			6.0	5.6	4.5	4.0	3.4	2.4
36				4.7	3.8	3.4	2.9	2.2
38					3.6	3.2	2.7	2.0
46					2.8	2.4	2.0	
48					2.6	2.2		
50						2.1		

Main boom 38 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	40.4	46.1		
7.3	t	t	t	t	t	t		
9	19.3	18.2	15.2					
10	17.5	14.6	12.7					
11	16.7	14.0	12.2	10.1				
13	15.0	13.0	11.1	9.6	8.1			
14	14.3	12.6	10.8	9.3	7.8	6.5		
16	12.9	10.5	9.9	8.7	7.3	6.2		
18	10.0	9.6	9.3	8.0	6.9	5.8		
20	8.2	8.8	8.5	7.5	6.4	5.5		
24		7.3	7.2	6.4	5.6	4.9		
30			5.4	5.2	4.7	4.2		
36				4.3	3.9	3.5		
42					3.2	2.9		
48						2.4		

Main boom 41 m

Radius (m)	Jib length in (m)							
	22.7	25.7	28.7					
8.6	t	t	t					
10	13.5	13.0	10.3	11.0				
11	12.5	10.1	10.8					
12	12.2	9.7	10.5					
13	11.0	9.4	10.0					
14	10.5	8.9	9.7					
16	9.6	8.1	8.9					
18	8.9	7.2	8.3					
20	8.3	6.5	7.7					
22	7.7	6.1	7.3					
24	6.9	5.8	6.6					
26		5.6	6.0					
28		5.4	5.6					
30			5.3					

Capacities in metric tons with luffing jib (No. 1309.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 – luffing jib (No. 1309.xx)

Main boom angle 83°

Main boom 17 m

	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
Radius (m)	t	t	t	t	t	t	t	t
9.5	31.8							
12	25.4	24.2						
13	23.5	22.4	21.3					
15	20.4	19.5	18.6	17.7				
18	16.9	16.2	15.5	14.8	12.7			
20	14.7	14.6	13.9	13.3	11.8	9.1		
22		13.1	12.6	12.1	11.0	8.8	7.4	
26		10.6	10.5	10.1	9.2	8.1	6.9	4.8
32			7.9	7.8	7.2	6.8	6.2	4.4
36				6.6	6.2	5.8	5.4	4.3
48					4.0	3.8	3.5	3.0
50						3.5	3.3	2.8
55							2.7	2.3
60							2.2	

Main boom 23 m

	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
Radius (m)	t	t	t	t	t	t	t	t
10.2	27.5							
11	25.7							
12	23.7	22.6						
14	20.5	19.5	18.6					
16	18.0	17.2	16.4	15.7				
19	15.2	14.5	13.8	13.2	11.0			
22		12.5	11.9	11.4	10.3	8.0		
24		11.5	10.9	10.4	9.4	7.7	6.5	
26		10.4	10.0	9.5	8.6	7.5	6.3	4.4
32			7.8	7.6	6.8	6.3	5.8	4.1
38				6.0	5.4	5.0	4.7	3.8
48					3.9	3.6	3.2	2.7
55						2.8	2.5	2.0
60							2.1	

Main boom 29 m

	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
Radius (m)	t	t	t	t	t	t	t	t
11	24.0							
12	22.1							
13	20.5	19.6						
15	17.9	17.1	16.3					
20	13.6	13.0	12.3	11.8	9.4			
22	12.4	11.8	11.2	10.7	9.0	7.1		
24		10.8	10.2	9.8	8.5	6.9	5.6	
26		9.9	9.4	9.0	8.0	6.7	5.5	4.0
32			7.5	7.1	6.3	5.9	5.2	3.8
38				5.8	5.0	4.7	4.3	3.5
50					3.3	3.0	2.7	2.2
55						2.6	2.3	

Main boom 35 m

	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
Radius (m)	t	t	t	t	t	t	t	t
11.7	20.3							
14	17.9	15.9						
16	15.8	14.7	12.6					
17	14.9	14.1	12.2	10.1				
22	11.4	11.1	9.9	8.7	6.3	5.2		
24		10.1	9.3	8.2	6.0	5.1	4.2	
28		8.1	8.2	7.5	5.5	4.7	4.0	2.9
34			6.4	6.2	5.0	4.3	3.6	2.6
38				5.4	4.5	4.0	3.4	2.5
48					3.3	3.0	2.6	2.0
50					3.1	2.8	2.4	
55						2.3		

Main boom 38 m

	Jib length in (m)						
	17	22.7	28.7	34.4	40.4	46.1	
Radius (m)	t	t	t	t	t	t	
12.1	17.6						
14	16.3	13.9					
16	15.0	12.9	10.8				
18	13.6	11.6	10.1	8.7			
19	12.9	11.1	9.7	8.4	6.9		
22	10.5	9.9	8.8	7.6	6.4	5.5	
28		7.7	7.5	6.5	5.6	4.9	
34			6.1	5.7	5.0	4.4	
40				4.5	4.4	3.8	
46					3.7	3.3	
50						3.0	

Main boom 41 m

	Jib length in (m)						
	22.7	25.7	28.7				
Radius (m)	t	t	t				
14.1	12.1						
15	11.4	10.2					
16	11.0	10.0	9.4				
18	10.1	9.2	8.9				
20	9.4	8.6	8.2				
22	8.8	7.9	7.7				
24	8.3	7.5	7.2				
26	7.8	7.3	6.9				
28	7.2	7.1	6.7				
32		5.7	6.1				
34			5.6				

Capacities in metric tons with luffing jib (No. 1309.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 – luffing jib (No. 1309.xx)

Main boom angle 75°

Main boom 17 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
14.1	t	t	t	t	t	t	t	t
17	20.4	16.9						
19	15.0	14.4	13.7					
22	12.4	12.3	11.8	11.3				
28		9.0	8.9	8.6	7.7			
30			8.1	8.0	7.1	6.7		
32			7.4	7.3	6.6	6.2	5.8	
34			6.8	6.7	6.1	5.7	5.3	
36				6.2	5.7	5.3	4.9	4.3
40				5.3	4.9	4.5	4.2	3.6
44					4.2	3.9	3.6	3.1
48					3.6	3.4	3.1	2.6
50					3.3	3.2	2.9	2.3
55						2.6	2.4	

Main boom 23 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
15.6	t	t	t	t	t	t	t	t
19	16.9	13.9	13.2					
22	11.9	11.4	10.8					
24	10.7	10.4	9.8	9.4				
28		8.7	8.3	7.9	6.9			
30		7.9	7.7	7.3	6.4			
32			7.1	6.7	5.9	5.5		
34			6.5	6.3	5.5	5.1	4.7	
36			6.0	5.8	5.1	4.7	4.3	
38				5.4	4.7	4.3	4.0	3.4
40				5.0	4.4	4.0	3.7	3.1
48					3.3	3.0	2.6	2.1
50					3.1	2.7	2.4	
55						2.3		

Main boom 29 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
17.2	t	t	t	t	t	t	t	t
20	14.0	11.4						
24	9.9	9.5	8.9					
26	9.1	8.7	8.2	7.7				
30		7.4	6.9	6.5	5.7			
32			6.4	6.1	5.2	4.7		
36			5.6	5.2	4.5	4.1	3.7	
40				4.6	3.8	3.5	3.1	2.5
42				4.3	3.6	3.2	2.8	2.3
44					3.3	2.9	2.6	2.1
48					2.8	2.5	2.2	
50					2.6	2.3		

Main boom 35 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	
18.7	t	t	t	t	t	t	t	
22	11.4	9.9	9.4					
24	9.9	9.5	8.9					
26	9.1	8.7	8.2					
28		7.4	6.9	6.5	5.7			
32		6.2	5.8	5.4	4.6			
34			5.4	5.0	4.2	3.8		
36			5.0	4.6	3.9	3.5	3.1	
38			4.7	4.3	3.6	3.2	2.8	
44				3.5	2.8	2.4	2.1	
48					2.4	2.0		
50					2.2			

Main boom 38 m

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	40.4	46.1		
19.5	t	t	t	t	t	t		
22	10.4	8.7						
26	9.3	7.4	6.9					
28	7.8	6.8	6.3	5.9				
30	7.2	6.3	5.8	5.4	5.0			
32		5.8	5.4	5.0	4.6	4.2		
34		5.4	5.0	4.6	4.2	3.9		
40			4.1	3.7	3.3	3.0		
44				3.2	2.9	2.5		
48					2.5	2.1		
50					2.3			

Main boom 41 m

Radius (m)	Jib length in (m)							
	22.7	25.7	28.7					
22.7	t	t	t					
24	7.9	7.1						
26	7.6	6.7	6.4					
28	6.9	6.1	5.9					
30	6.4	5.7	5.4					
32	5.9	5.2	5.0					
34	5.5	4.9	4.7					
36	5.1	4.5	4.3					
38			4.0					
40			3.8					

Capacities in metric tons with luffing jib (No. 1309.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 – luffing jib (No. 1309.xx)

Main boom angle 65°

Main boom 17 m

	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
Radius (m)	t	t	t	t	t	t	t	t
19.5	13.5							
24	10.4	10.3						
26	9.3	9.3						
28		8.4	8.2					
30		7.6	7.5	7.2				
36			5.8	5.6				
38				5.2	4.6			
40				4.8	4.3	3.9		
42				4.4	4.0	3.6		
44					3.7	3.4	3.0	
48					3.2	2.9	2.6	2.0
50					2.9	2.7	2.4	
55						2.2		

Main boom 23 m

	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	
Radius (m)	t	t	t	t	t	t	t	
22	10.5							
26	8.7	8.4						
28	7.9	7.7						
30		7.1	6.7					
34		5.9	5.7	5.4				
38			4.9	4.6				
40				4.3	3.6			
42				4.0	3.3			
44				3.7	3.1	2.7		
46					2.8	2.5	2.1	
48					2.6	2.3		
50					2.4	2.1		
55					2.0			

Main boom 29 m

	Jib length in (m)							
	17	22.7	28.7	34.4	46.1			
Radius (m)	t	t	t	t	t			
24.5	8.1							
28	7.1	6.6						
30	6.5	6.1						
32		5.7	5.2					
36		4.9	4.5	4.1				
42			3.6	3.3	2.6			
44				3.1	2.4			
46				2.9	2.2			
48				2.7				

Main boom 35 m

	Jib length in (m)							
	17	22.7	28.7	34.4				
Radius (m)	t	t	t	t				
27.1	6.2							
32	5.1	4.8						
34		4.4	4.0					
38		3.8	3.4	3.0				
40			3.2	2.8				
42			2.9	2.6				
44			2.7	2.4				
46				2.2				
48				2.0				

Main boom 38 m

	Jib length in (m)							
	17	22.7	28.7	34.4				
Radius (m)	t	t	t	t				
28.3	5.3							
32	4.7	4.3						
34	4.3	4.0						
36		3.7	3.2					
40		3.1	2.8	2.4				
44			2.3	2.0				
46			2.1					

Main boom 41 m

	Jib length in (m)							
	22.7	25.7	28.7					
Radius (m)	t	t	t					
32.9	3.6							
34	3.5							
36	3.2	3.0						
38	2.9	2.7	2.5					
40	2.7	2.5	2.3					
42		2.3	2.1					
44		2.1						

Capacities in metric tons with luffing jib (No. 1309.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 – luffing jib

(No. 1309.xx)

Main boom angle 45°

Main boom 17 m

	Jib length in (m)							
	17	22.7	28.7	34.4				
Radius (m)	t	t	t	t				
28.4	7.1							
30	6.7							
34		5.5						
36		5.0						
38			4.4					
42			3.8					
44				3.3				
46				3.1				

Main boom 23 m

	Jib length in (m)							
	17	22.7	28.7	34.4				
Radius (m)	t	t	t	t				
32.6	5.0							
34	4.8							
38		3.9						
40		3.6						
44			2.8					
46			2.6					
48				2.2				

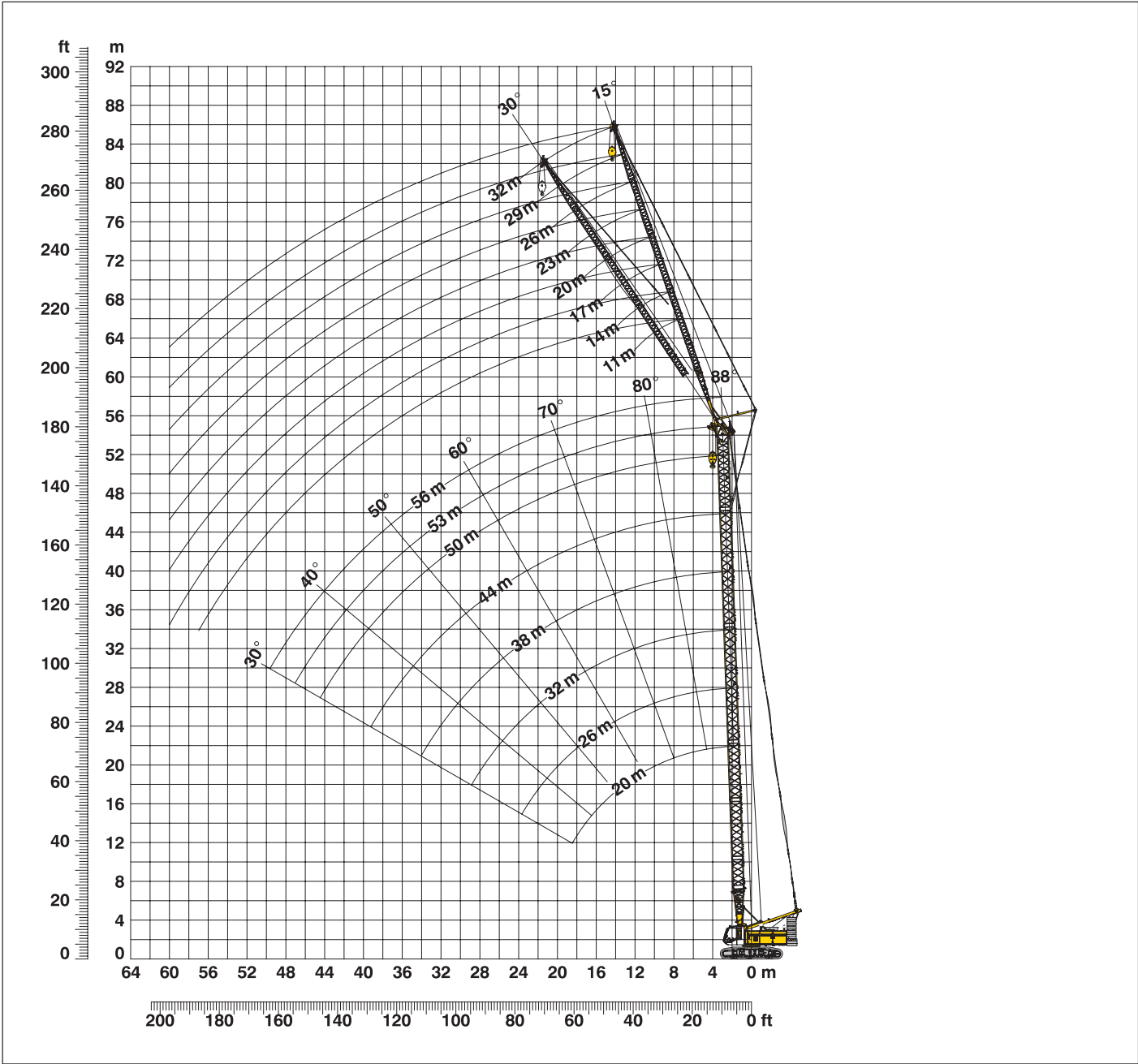
Main boom 29 m

	Jib length in (m)							
	17	22.7						
Radius (m)	t	t						
36.9	3.3							
38	3.2							
42		2.5						
44		2.3						

Capacities in metric tons with luffing jib (No. 1309.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.



Working range - fixed jib (No. 0806.xx) **15° and 30°**
Main boom 88° - 30°



Boom configuration for boom lengths (20 m - 56 m) – see table 1 on page 12
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 (m)		11	14	17	20	23	26	29	32



Lift chart – fixed jib (No. 0806.xx)
Offset 15°

Main boom 20 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
4.8	24.0			
9	23.0	12.6		
11	21.6	10.9	6.9	
14	19.8	9.9	6.3	4.1
16	18.7	9.3	6.0	3.9
18	16.0	8.8	5.7	3.7
20	13.9	8.3	5.4	3.6
22	12.2	7.9	5.1	3.5
24	10.9	7.6	4.9	3.3
26	9.7	7.2	4.7	3.2
28	8.7	7.0	4.5	3.1
30	7.9	6.7	4.3	3.0
38		5.8	3.8	2.7
44			3.7	2.5
50				2.5

Main boom 26 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
5.1	24.0			
9	22.3	12.1		
11	21.1	10.6	6.7	
14	19.2	9.7	6.2	4.0
16	17.8	9.2	5.9	3.9
18	15.6	8.8	5.6	3.7
20	13.6	8.3	5.3	3.6
22	12.0	7.9	5.1	3.5
24	10.6	7.6	4.9	3.3
26	9.4	7.3	4.7	3.2
30	7.6	6.7	4.4	3.0
34	6.2	6.4	4.1	2.9
44		4.3	3.6	2.5
50			3.5	2.4
55				2.4

Main boom 32 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
5.3	22.8			
9	20.7	10.4		
12	19.1	9.8	6.3	
14	18.0	9.3	6.0	3.9
16	16.9	8.9	5.7	3.8
18	14.9	8.5	5.5	3.7
20	13.2	8.1	5.2	3.5
22	11.8	7.8	5.0	3.4
26	9.2	7.2	4.6	3.2
32	6.7	6.4	4.2	2.9
36	5.5	5.9	4.0	2.8
40	4.5	4.9	3.8	2.6
48		3.4	3.5	2.5
55			2.7	2.4
60				2.3

Main boom 38 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
5.5	20.5			
9	19.0	9.8		
12	17.3	9.3	6.0	
14	16.3	8.9	5.8	3.8
16	15.4	8.5	5.6	3.7
20	12.4	7.8	5.1	3.5
24	10.0	7.3	4.7	3.2
28	8.0	6.7	4.4	3.1
32	6.4	6.2	4.2	2.9
36	5.2	5.7	3.9	2.8
40	4.2	4.7	3.7	2.6
44	3.5	3.9	3.6	2.5
50		2.9	3.1	2.4
55			2.4	2.3
60				2.0

Main boom 44 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
5.7	17.4			
10	15.7	8.8		
11	15.3	8.7		
12	14.9	8.5	5.6	
13	14.5	8.4	5.6	
14	14.1	8.2	5.5	3.7
18	12.6	7.6	5.1	3.5
22	10.5	7.0	4.7	3.3
26	8.5	6.4	4.4	3.1
30	6.9	5.9	4.1	2.9
34	5.6	5.4	3.9	2.8
38	4.5	4.9	3.7	2.6
42	3.6	4.0	3.6	2.5
46	2.9	3.3	3.4	2.4
50	2.3	2.7	2.9	2.3
55		2.0	2.2	2.3

Main boom 50 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
5.9	14.7			
10	13.4	8.0		
12	12.6	7.8	5.2	
15	11.1	7.3	5.0	3.5
16	10.8	7.1	4.9	3.4
18	10.1	6.8	4.8	3.3
22	9.0	6.2	4.5	3.1
26	7.8	5.7	4.2	3.0
30	6.4	5.2	4.0	2.8
34	5.2	4.7	3.7	2.7
38	4.2	4.2	3.5	2.5
42	3.4	3.7	3.2	2.5
46	2.6	3.0	3.0	2.4
48	2.3	2.7	2.8	2.3
50	2.0	2.4	2.6	2.3
55				2.0

Main boom 53 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
6	13.4			
11	11.6	7.4		
12	11.4	7.3	5.0	
15	10.5	6.9	4.8	3.4
18	9.6	6.5	4.6	3.3
22	8.6	5.9	4.3	3.1
26	7.6	5.4	4.1	2.9
30	6.1	5.0	3.8	2.8
34	4.9	4.5	3.6	2.6
38	4.0	4.2	3.4	2.5
40	3.5	3.8	3.3	2.5
42	3.2	3.5	3.2	2.4
44	2.8	3.1	3.1	2.4
46	2.5	2.8	2.9	2.3
48	2.2	2.5	2.6	2.3
50		2.2	2.4	2.2

Main boom 56 m

Radius (m)	Fixed jib length in (m)			
	11	14	20	23
	t	t	t	t
6.1	10.6			
8	10.6	9.1		
10	10.3	9.1	6.6	
11	10.0	8.9	6.6	5.6
12	9.8	8.7	6.5	5.5
14	9.2	8.2	6.3	5.4
18	8.1	7.3	5.8	5.1
22	7.2	6.5	5.2	4.7
26	6.3	5.8	4.8	4.3
30	5.6	5.1	4.3	4.0
34	4.7	4.6	3.9	3.6
38	3.8	3.9	3.6	3.3
42	3.0	3.1	3.2	3.0
46	2.3	2.4	2.6	2.7
48	2.0	2.1	2.3	2.4
50			2.1	2.2

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 20 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
7.5	21.7			
13	19.0	9.0		
17	16.7	8.2	5.2	
22	12.4	7.4	4.7	3.2
24	11.0	7.0	4.5	3.1
26	9.8	6.8	4.4	3.0
28	8.8	6.6	4.2	3.0
30	7.9	6.4	4.1	2.9
34		6.2	3.9	2.7
36		6.1	3.8	2.7
38		5.9	3.8	2.6
42			3.7	2.5
44			3.7	2.5
48				2.5
50				2.6

Main boom 26 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
7.7	20.6			
14	18.1	8.6		
17	16.7	8.1	5.1	
22	12.2	7.3	4.7	3.2
24	10.8	7.1	4.5	3.1
26	9.6	6.8	4.4	3.0
28	8.6	6.6	4.3	2.9
30	7.8	6.5	4.1	2.9
32	7.0	6.3	4.0	2.8
34	6.3	6.2	3.9	2.7
38		5.8	3.8	2.6
44		4.4	3.6	2.5
48			3.5	2.5
50			3.4	2.5
55				2.6

Main boom 32 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
7.9	19.1			
14	16.2	8.3		
17	14.8	7.8	4.9	
22	11.9	7.2	4.6	3.1
26	9.5	6.6	4.3	3.0
28	8.5	6.4	4.2	2.9
30	7.6	6.2	4.1	2.9
32	6.8	5.9	4.0	2.8
34	6.2	5.7	3.9	2.7
36	5.6	5.5	3.8	2.7
38	5.1	5.4	3.8	2.6
40	4.6	5.1	3.7	2.6
50		3.2	3.5	2.4
55			2.7	2.5
60				2.3

Main boom 38 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
8.1	17.1			
14	14.9	7.8		
18	13.4	7.4	4.7	
22	11.5	6.9	4.5	3.1
26	9.3	6.4	4.3	2.9
30	7.4	5.9	4.1	2.8
34	6.0	5.5	3.9	2.7
36	5.4	5.4	3.8	2.7
38	4.8	5.2	3.7	2.6
40	4.4	4.9	3.7	2.6
42	3.9	4.5	3.6	2.5
44	3.5	4.1	3.5	2.5
46	3.2	3.7	3.5	2.4
55		2.3	2.6	2.4
60				2.2

Main boom 44 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
8.3	14.6			
14	12.7	7.2		
18	11.2	6.9	4.5	
22	10.1	6.3	4.3	3.0
26	8.8	5.9	4.1	2.9
30	7.1	5.5	3.9	2.8
34	5.8	5.1	3.8	2.6
38	4.7	4.7	3.6	2.6
42	3.8	4.3	3.4	2.5
44	3.4	3.9	3.4	2.4
46	3.0	3.5	3.3	2.4
48	2.7	3.2	3.2	2.4
50	2.4	2.8	3.1	2.4
55		2.1	2.4	2.3
60				2.0

Main boom 50 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
8.5	12.1			
14	10.6	6.4		
18	9.4	6.1	4.3	
22	8.4	5.6	4.1	2.9
26	7.4	5.2	3.9	2.8
30	6.6	4.8	3.7	2.7
34	5.4	4.4	3.5	2.6
38	4.4	4.0	3.3	2.5
40	3.9	3.9	3.2	2.4
42	3.5	3.7	3.1	2.4
44	3.1	3.5	3.0	2.3
46	2.8	3.3	2.9	2.3
48	2.4	2.9	2.8	2.3
50	2.1	2.6	2.7	2.2
55			2.2	2.1

Main boom 53 m

Radius (m)	Fixed jib length in (m)			
	11	20	26	32
	t	t	t	t
8.6	10.7			
15	9.5	6.0		
18	8.8	5.8	4.1	
22	7.9	5.4	4.0	2.8
26	7.1	4.9	3.9	2.7
30	6.4	4.6	3.6	2.6
34	5.2	4.2	3.4	2.5
38	4.2	3.9	3.2	2.4
40	3.7	3.8	3.1	2.4
42	3.3	3.6	3.0	2.4
44	3.0	3.4	2.9	2.3
46	2.6	3.1	2.8	2.3
48	2.3	2.7	2.8	2.2
50	2.0	2.4	2.7	2.2
55			2.0	2.1

Main boom 56 m

Radius (m)	Fixed jib length in (m)			
	11	14	20	23
	t	t	t	t
8.7	9.1			
11	9.0	7.6		
15	8.2	7.2	5.3	
17	7.8	6.9	5.3	4.5
19	7.3	6.6	5.1	4.5
22	6.7	6.0	4.8	4.3
26	6.0	5.5	4.4	4.0
30	5.3	4.9	4.1	3.7
34	4.8	4.5	3.7	3.4
38	4.0	4.0	3.4	3.1
42	3.2	3.3	3.1	2.9
44	2.8	3.0	3.0	2.8
46	2.5	2.6	2.8	2.6
48	2.2	2.3	2.6	2.5
50		2.0	2.3	2.4

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.



Notice

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

