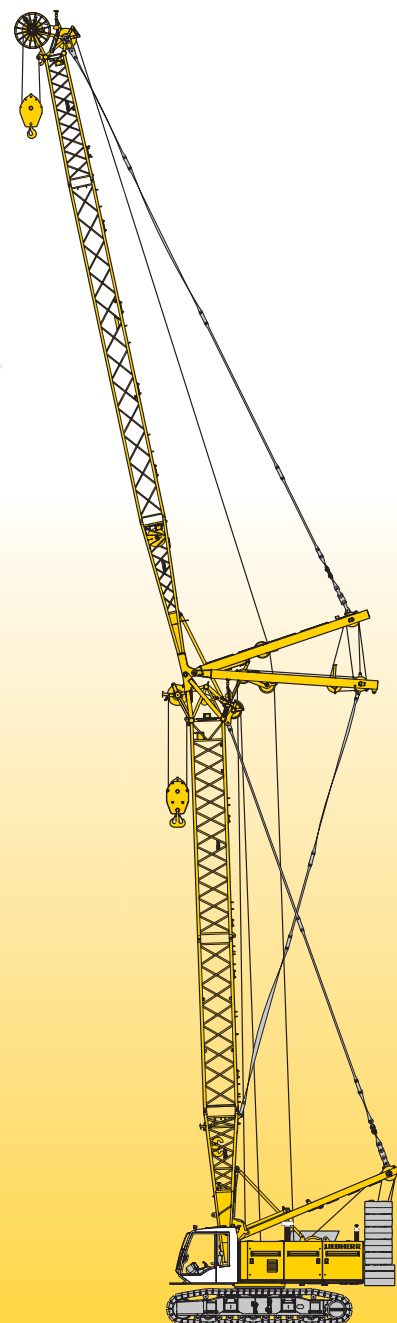


Technical data
Hydraulic lift crane

LR 1100
Litronic®

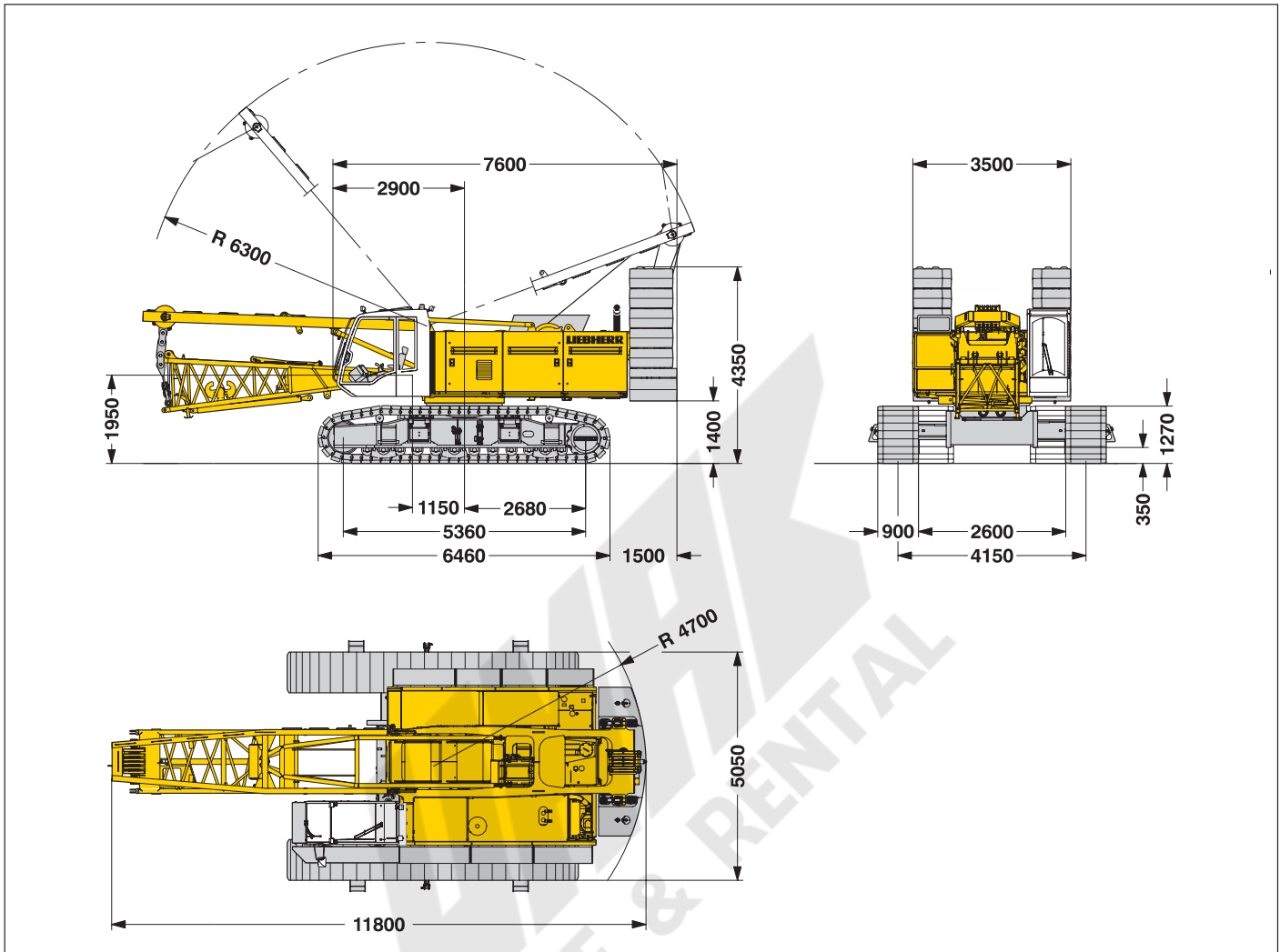
UMAX
SALE & RENTAL



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

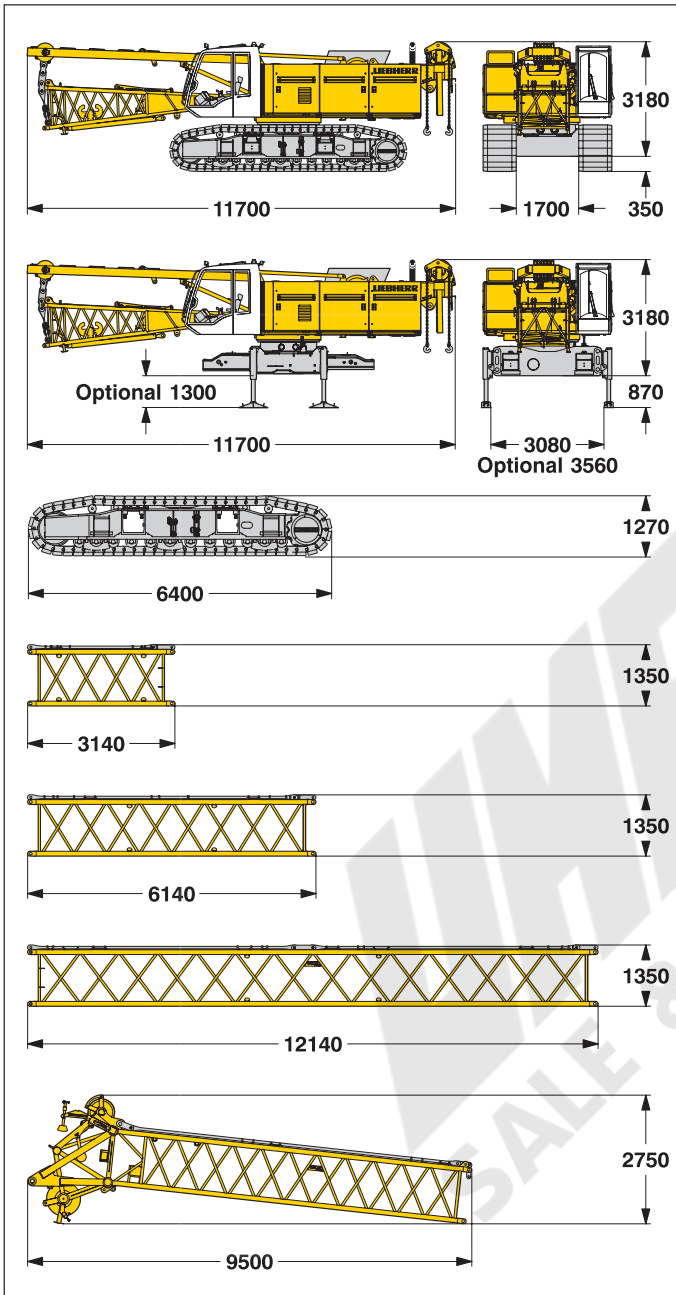
Main boom (No. 1311.xx) max. length _____ 68 m
 High reach (1311.xx and 1008.xx) _____ 83 m
 Luffing jib (No. 1008.xx) max. length _____ 62 m
 Max. combination _____ boom 38 m and luffing jib 62 m
 Fixed jib (No. 0806.xx) _____ 11 m – 32 m
 Auxiliary jib 24 t lifting capacity (option 36 t)

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)



Transport option without pendants

*) 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)

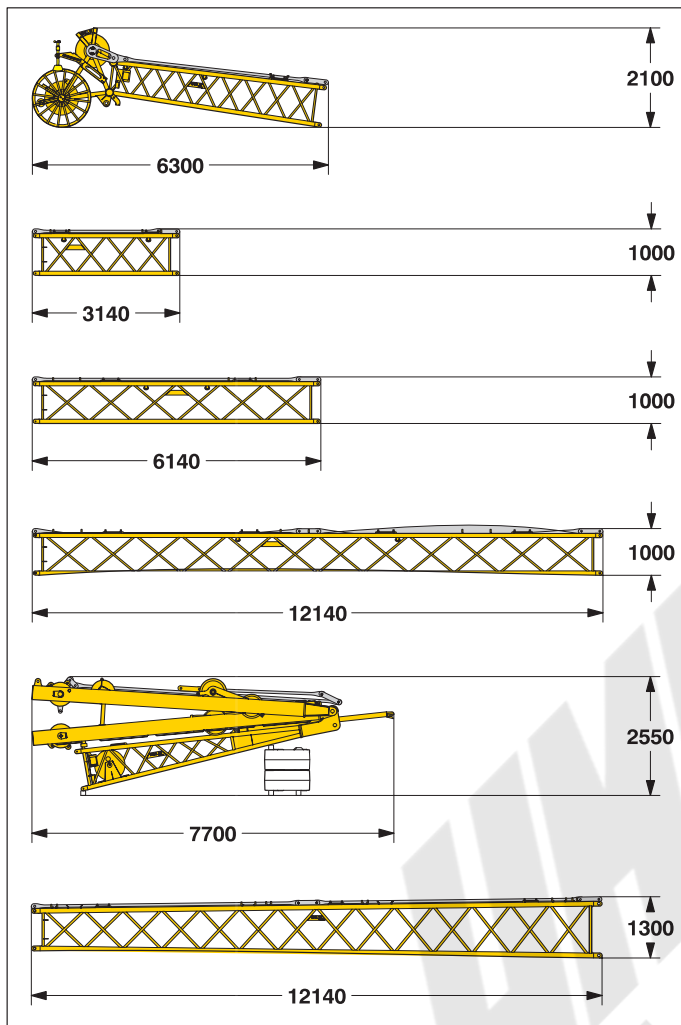
Width	mm	1650
Weight*	kg	2300

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

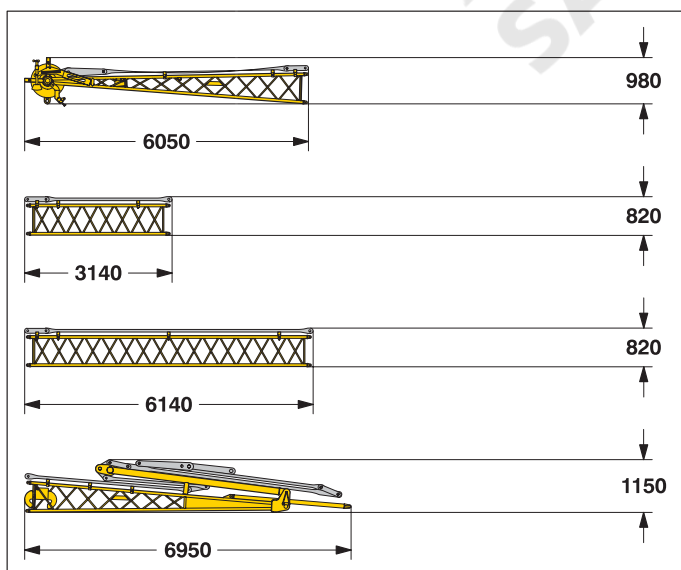
Luffing jib foot with A-frames (No. 1008.20)

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

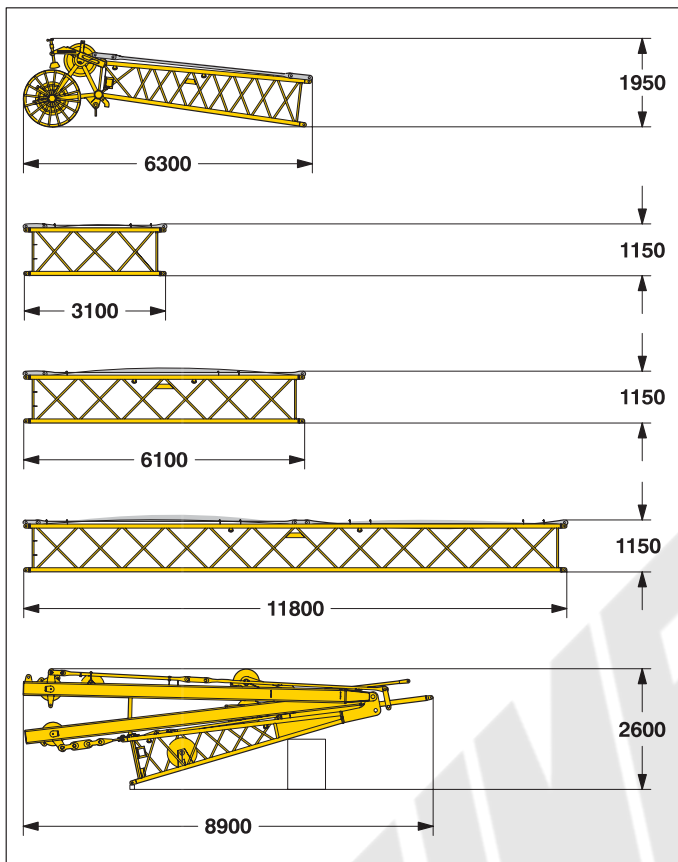
Fixed jib foot with A-frame (No. 0806.16)

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**

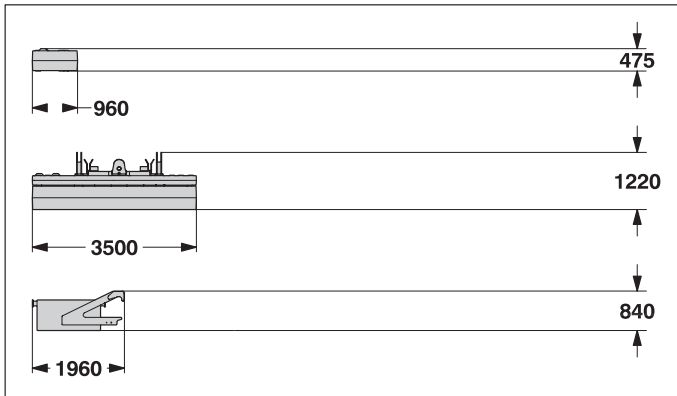
Width	mm	1390
Weight*	kg	960

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

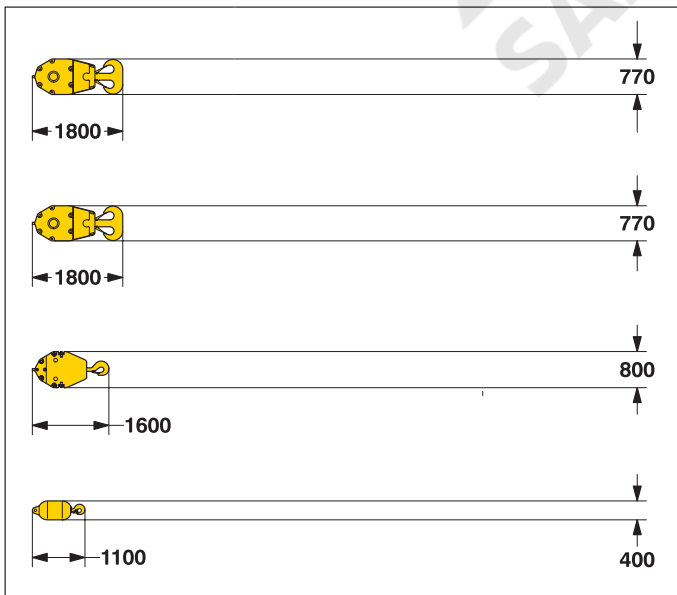
Counterweight **1x**

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

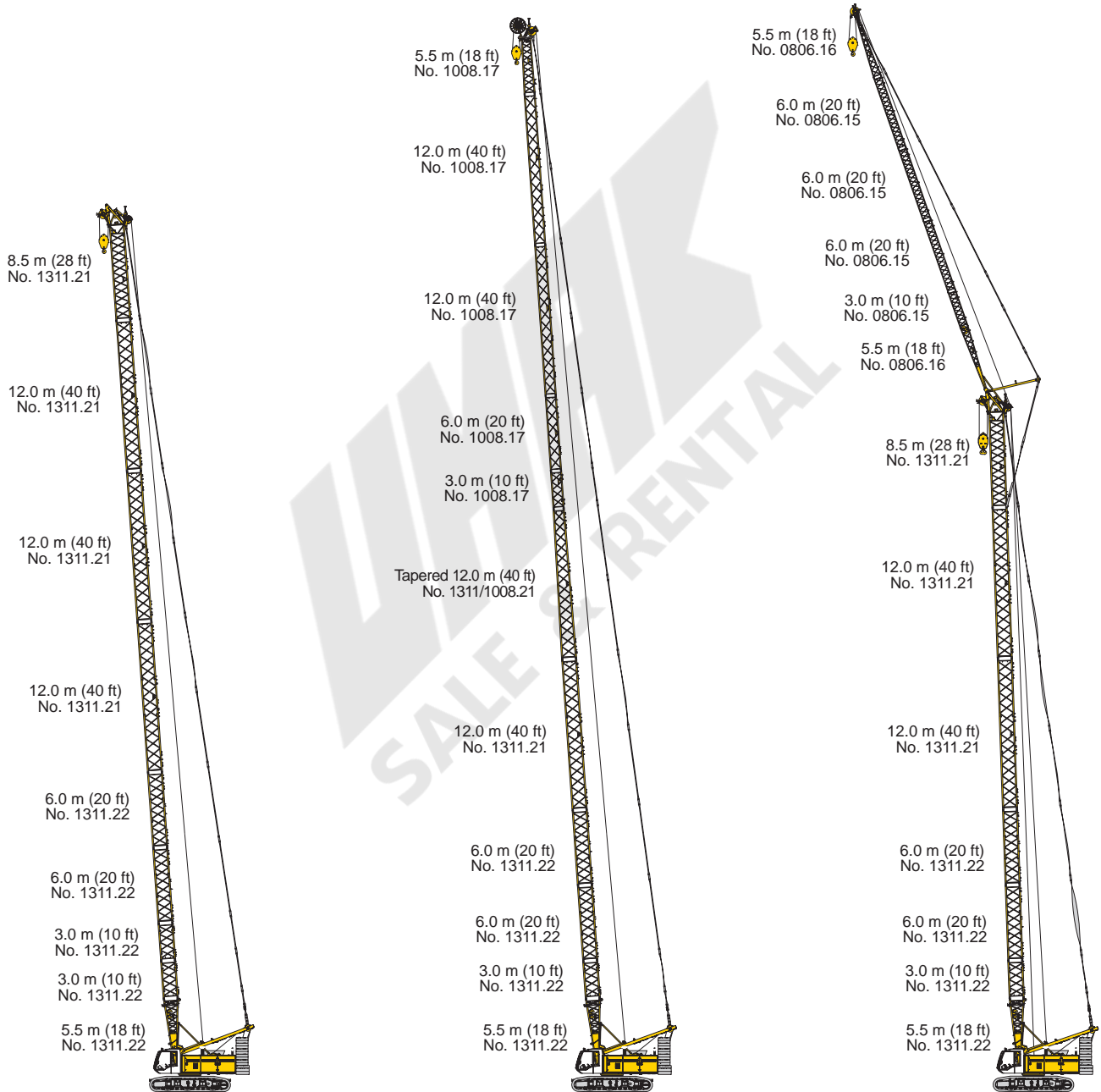
The control system – developed and manufactured by Liebherr – is designed to withstand extreme environmental conditions such as temperature, vibration and electromagnetic interference and to meet all requirements that are needed in heavy duty crane operation.
Complete machine operating data are shown 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

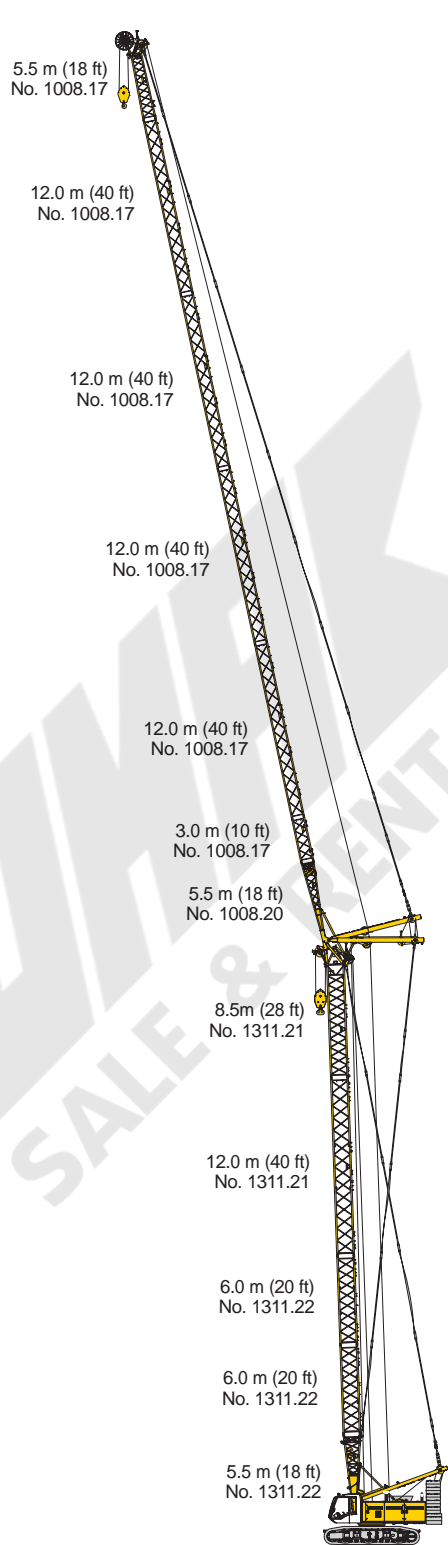


Main boom No. 1311.xx — 68 m

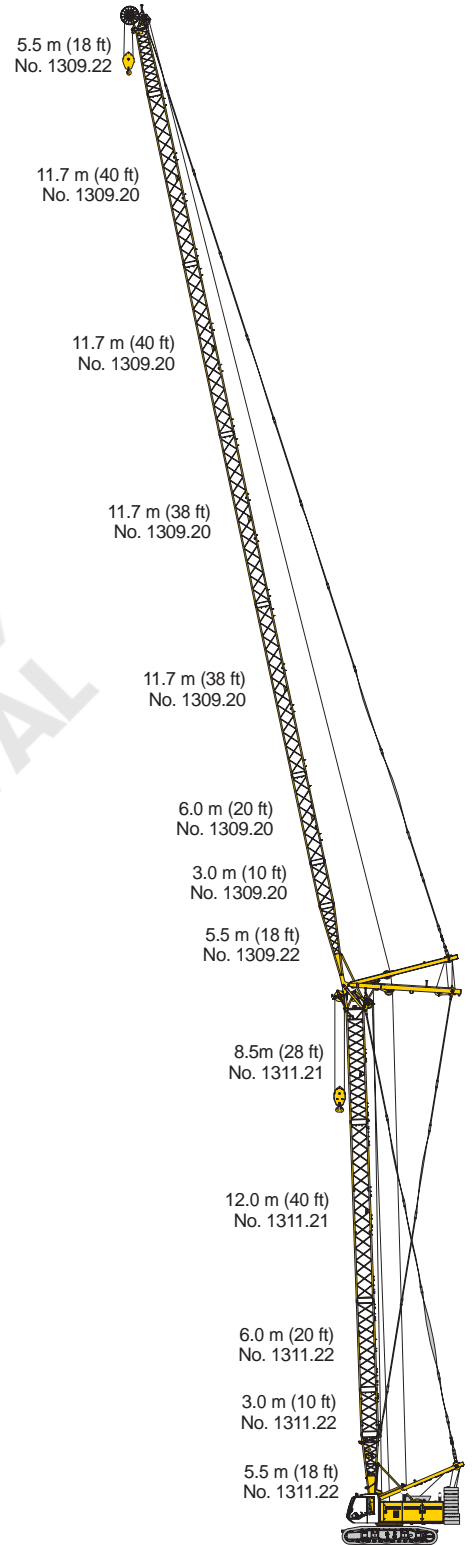
Max. combination — 83.0 m
 Main boom No. 1311.xx — 32.5 m
 Tapered No. 1311/1008.xx — 12.0 m
 Luffing jib No. 1008.xx — 38.5 m

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

Boom combinations

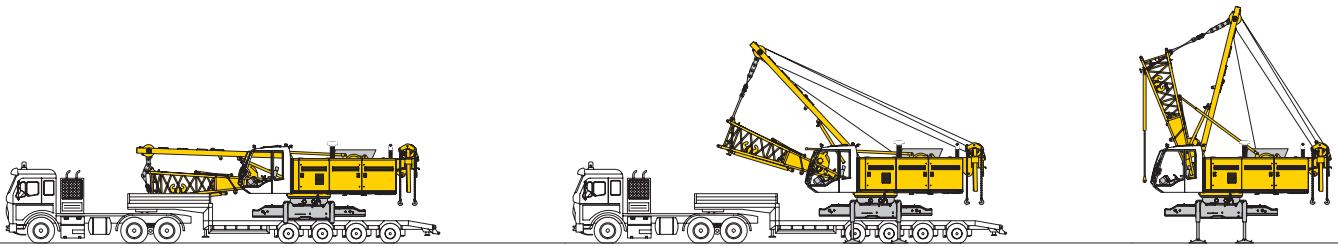


Max. combination	100.0 m
Main boom No. 1311.xx	38.0 m
Luffing jib No. 1008.xx	62.0 m
Main boom No. 1311.xx	41.0 m
Luffing jib No. 1008.xx	44.0 m

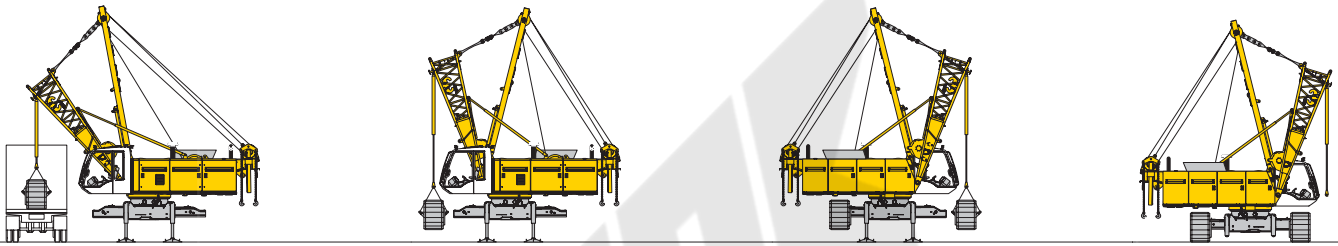


Max. combination	101.8 m
Main boom No. 1311.xx	35.0 m
Luffing jib No. 1309.xx	66.8 m
Main boom No. 1311.xx	38.0 m
Luffing jib No. 1309.xx	46.1 m

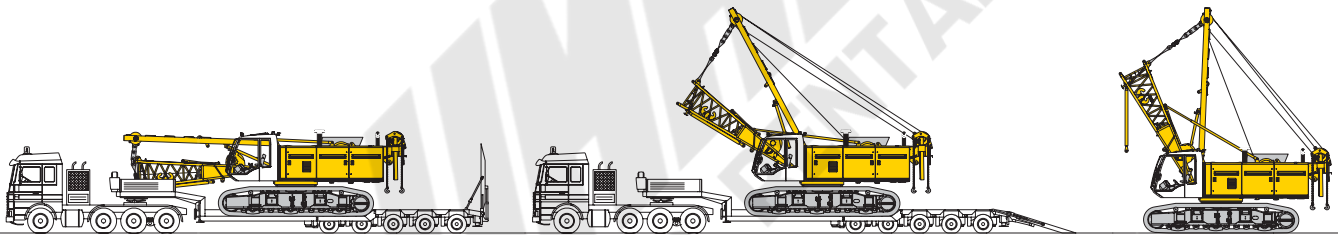
Self assembly system



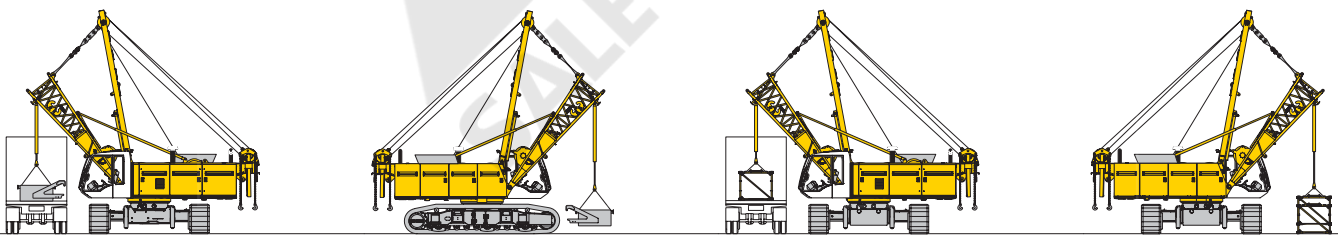
Unloading of basic machine (Optional)



Unloading and assembly of crawlers

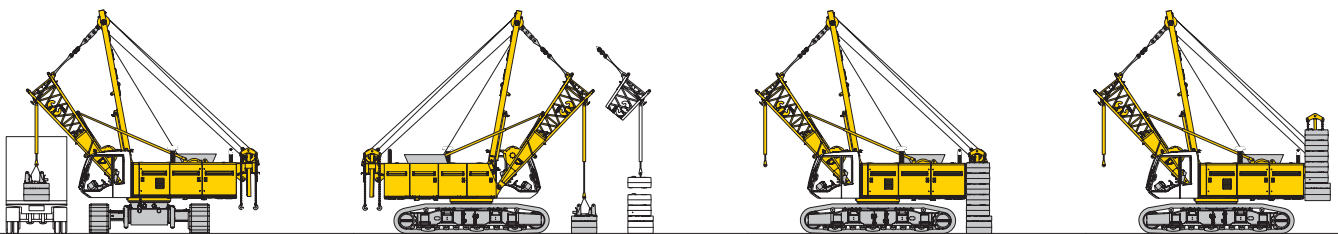


Unloading of basic machine (Standard)



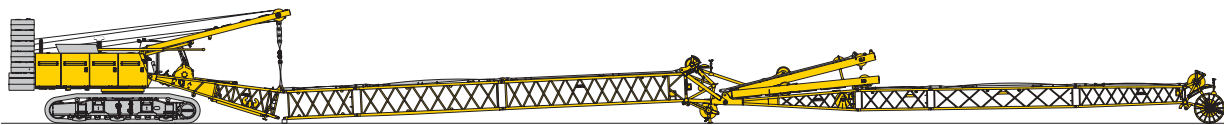
Unloading and assembly of carbody counterweight

Unloading and assembly of boom

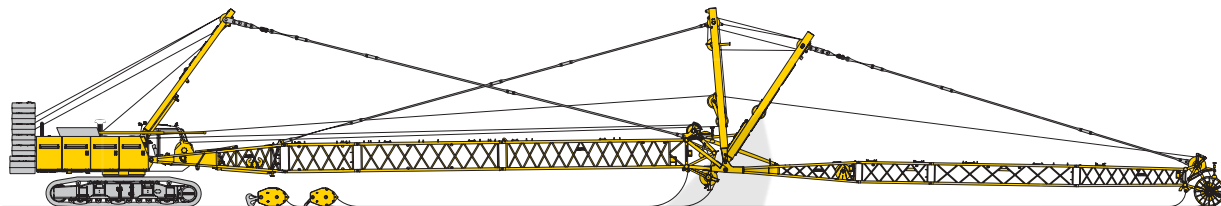


Unloading and assembly of counterweight

Erecting of main boom to working position



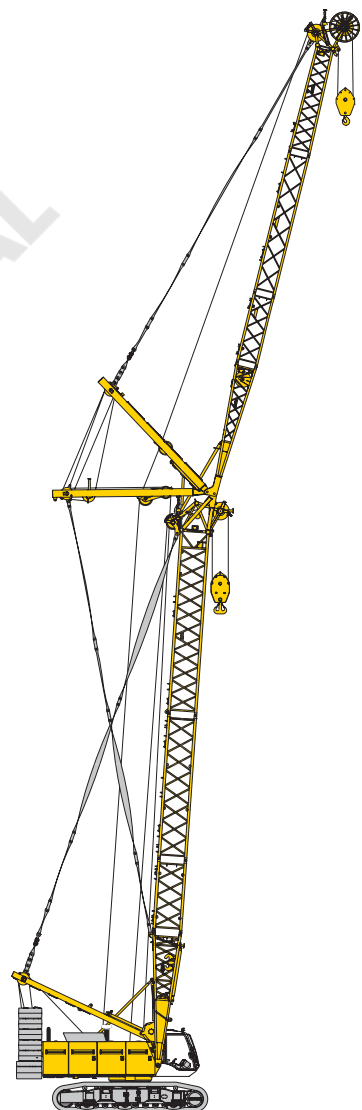
Assembly of boom



Reeving of hoist and jib ropes



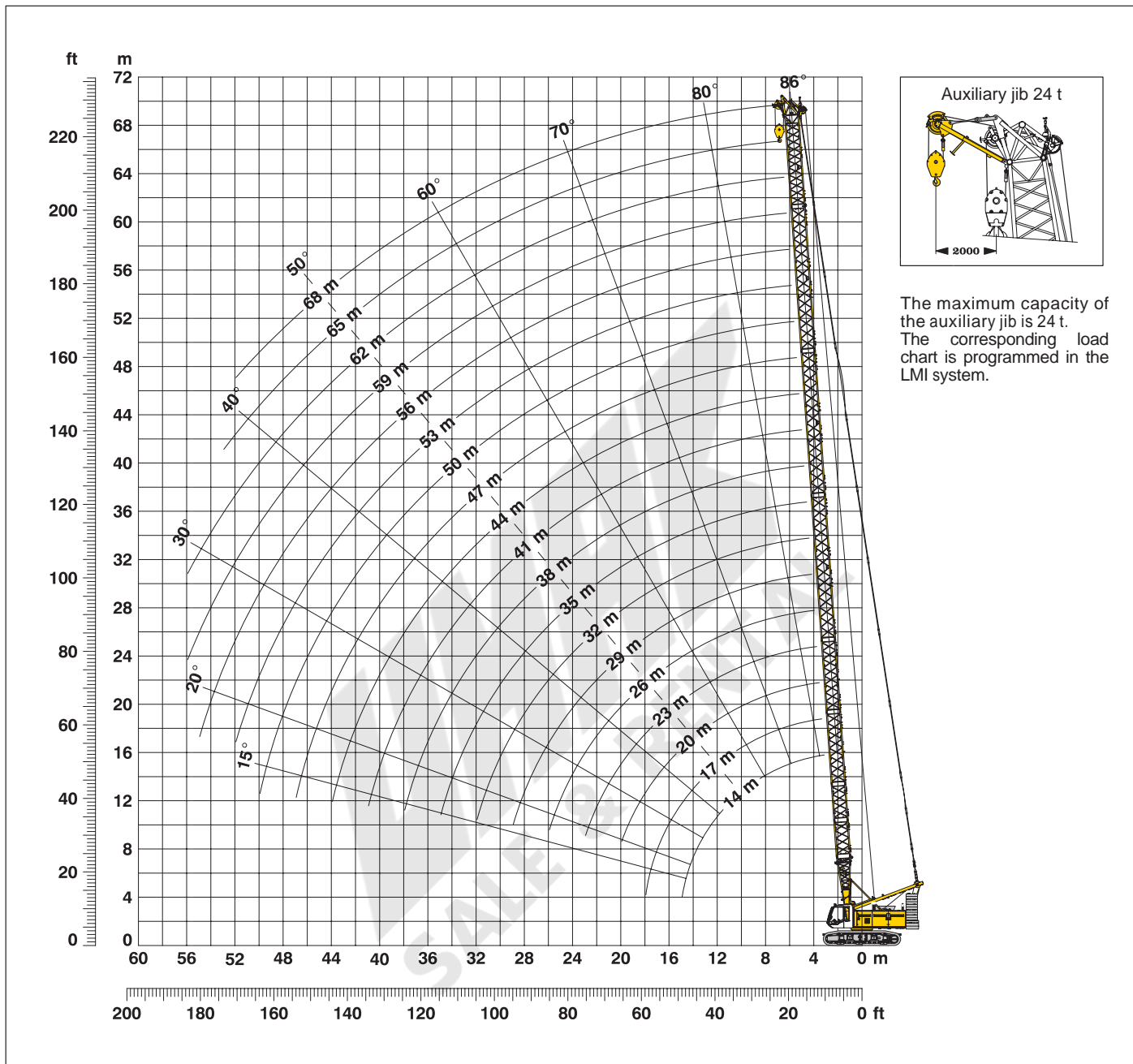
Erecting of main boom and luffing jib



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)

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

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

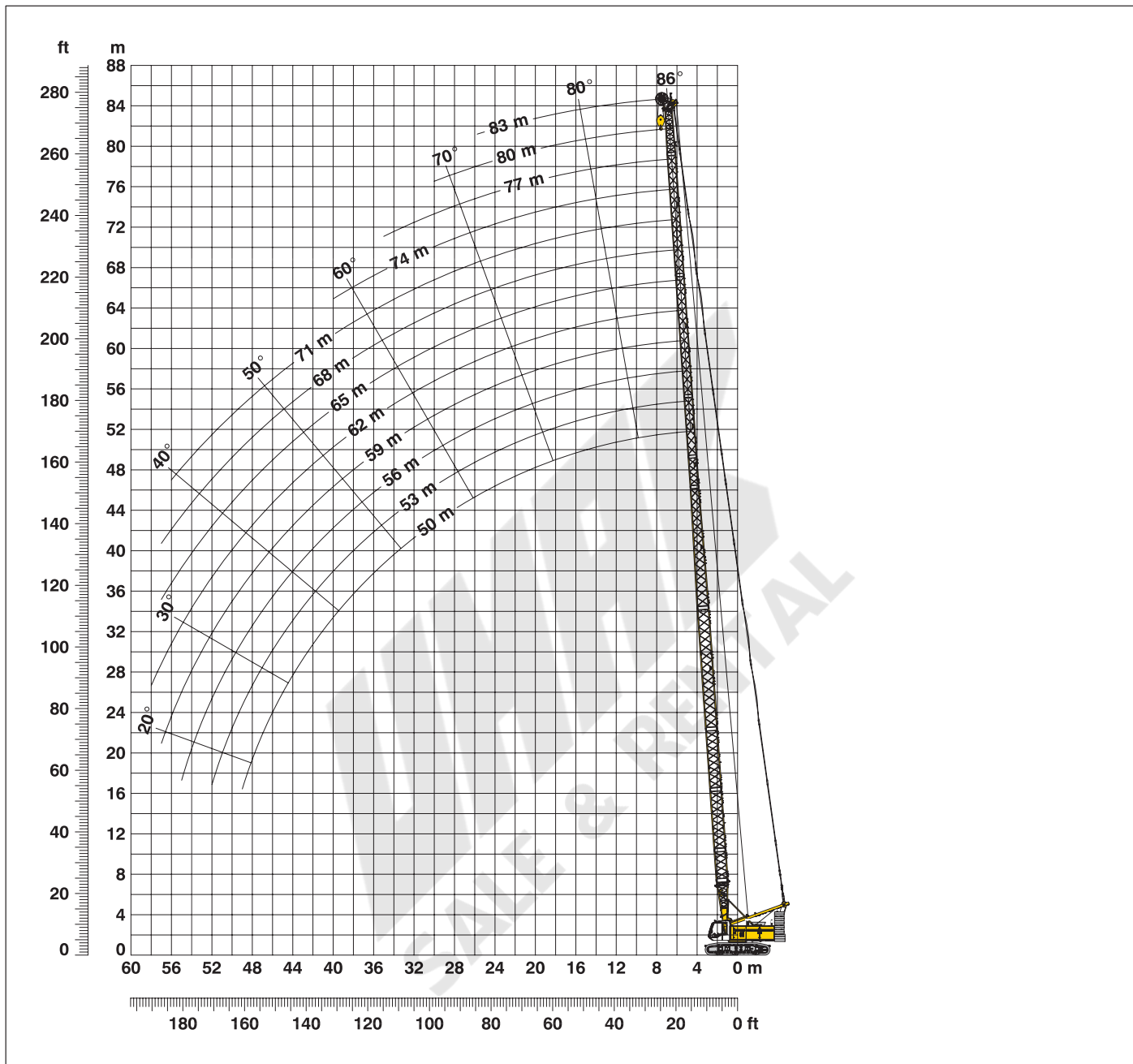
Capacities in metric tons for boom lengths (14 m – 68 m) – with 120 kN winches
32.3 t counterweight and 15 t carbony counterweight

Radius (m)	Boom length in (m)										Radius (m)	
	14	20	26	32	38	44	50	56	62	68		
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)

Configuration	Length	Amount of boom and luffing jib extensions												
		50	53	56	59	62	65	68	71	74	77	80	83	
Boom foot	5.5 m	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	1	1	1	1
Boom insert	6.0 m	2	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	1
Tapered	12.0 m	1	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	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				
Radius (m)	L – boom length in (m)			
	50	62	74	83
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				
Radius (m)	L – boom length in (m)			
	62	68	74	83
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			

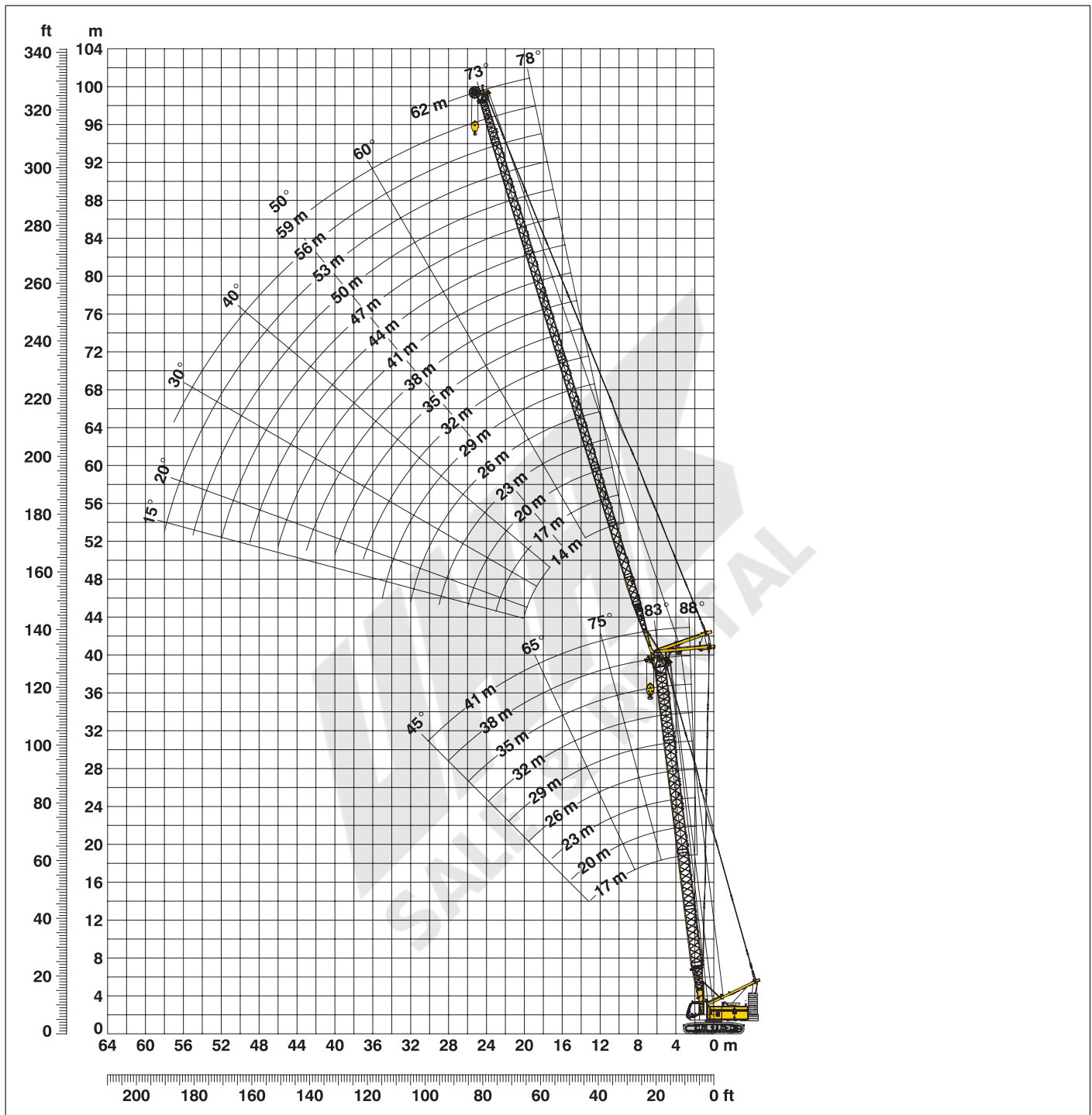
Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

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
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	1	1
Luffing jib insert	3.0 m	1		1		1		1		1		1		1		1		1	
Luffing jib insert	6.0 m		1	1		1	1	1		1	1		1	1		1	1	2	2
Luffing jib insert	12.0 m				1	1	1	1	2	2	2	2	3	3	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	1	1
Luffing jib length in (m)		14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	

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							
8	47.3							
9	39.8	27.9						
11	35.6	26.8	18.9					
13	29.3	24.0	17.7	13.3				
14	25.0	20.4	16.4	12.7	7.1			
15	23.2	19.4	15.7	12.4	7.1	5.4		
16	20.7	18.1	15.1	12.2	7.1	5.3	4.1	
20	16.2	16.9	14.5	11.3	7.0	5.2	4.0	2.9
24		13.5	12.2	10.2	6.5	4.6	3.6	2.6
26		9.6	9.8	9.0	6.0	4.3	3.4	2.3
28			9.1	8.6	5.8	4.1	3.2	2.2
30			8.1	8.2	5.7	4.0	3.1	2.1
36			6.9	7.8	5.5	3.9	3.1	2.1
44				5.5	5.1	3.7	2.8	
50					3.9	3.4	2.5	
55						2.9	2.3	
							2.2	

Main boom 23 m

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

Main boom 29 m

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

Main boom 35 m

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

Main boom 38 m

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

Main boom 41 m

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

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

Main boom 23 m

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

Main boom 29 m

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

Main boom 35 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
10.8	22.4	t	t	t	t	t	t	t
14	18.3	14.8	t	t	t	t	t	t
16	16.2	13.8	11.2	t	t	t	t	t
17	15.3	13.3	10.8	8.5	t	t	t	t
20	10.1	11.2	9.8	8.1	5.3	t	t	t
22	t	10.6	9.3	7.7	5.2	3.8	t	t
24	t	9.6	8.8	7.3	5.0	3.7	2.9	t
28	t	7.2	7.8	6.7	4.8	3.5	2.8	t
34	t	t	5.4	6.1	4.6	3.3	2.6	t
38	t	t	t	5.0	4.4	3.2	2.5	t
40	t	t	t	t	4.3	3.1	2.4	t
48	t	t	t	t	t	3.5	2.9	2.2
50	t	t	t	t	t	t	2.9	2.2
55	t	t	t	t	t	t	t	2.1

Main boom 38 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
11.2	19.4	t	t	t	t	t	t	t
14	17.1	13.2	t	t	t	t	t	t
16	15.7	12.4	9.9	t	t	t	t	t
18	14.0	11.2	9.4	7.6	t	t	t	t
20	12.7	10.1	8.8	7.3	4.9	t	t	t
22	t	9.3	8.2	6.9	4.8	3.6	t	t
24	t	8.5	7.7	6.6	4.6	3.6	2.8	t
28	t	6.6	6.9	6.0	4.4	3.4	2.6	t
34	t	t	5.0	5.5	4.1	3.2	2.5	t
40	t	t	t	4.1	3.8	3.0	2.3	t
48	t	t	t	t	3.3	2.8	2.1	t
50	t	t	t	t	t	2.7	2.1	t
55	t	t	t	t	t	t	2.5	t

Main boom 41 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
11.5	17.0	t	t	t	t	t	t	t
15	14.5	11.0	t	t	t	t	t	t
16	14.0	10.6	8.7	t	t	t	t	t
18	13.2	9.8	8.3	6.7	t	t	t	t
20	12.3	8.9	7.7	6.4	t	t	t	t
22	t	8.1	7.2	6.1	4.5	t	t	t
28	t	5.8	6.0	5.3	4.1	t	t	t
34	t	t	4.6	4.8	3.7	t	t	t
40	t	t	t	3.8	3.5	t	t	t
42	t	t	t	t	3.4	t	t	t
44	t	t	t	t	t	3.3	t	t
46	t	t	t	t	t	t	3.2	t
48	t	t	t	t	t	t	t	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

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

Main boom 23 m

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

Main boom 29 m

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

Main boom 35 m

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

Main boom 38 m

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

Main boom 41 m

Radius (m)	Jib length in (m)					
	14	23	29	35	44	
19	t	t	t	t	t	
24	10.5					
26	8.4	7.7				
28	7.7	7.1	6.2			
32		6.6	5.9	4.9		
34		5.7	5.3	4.7	3.5	
40		5.3	4.9	4.5	3.5	
46			4.0	3.7	3.2	
48				3.0	2.5	
50					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 65°

Main boom 17 m

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

Main boom 23 m

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

Main boom 29 m

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

Main boom 35 m

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

Main boom 38 m

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

Main boom 41 m

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

Radius (m)	Jib length in (m)								
	14	23	29	35	44				
t	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

Radius (m)	Jib length in (m)								
	14	23	29	35					
t	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

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

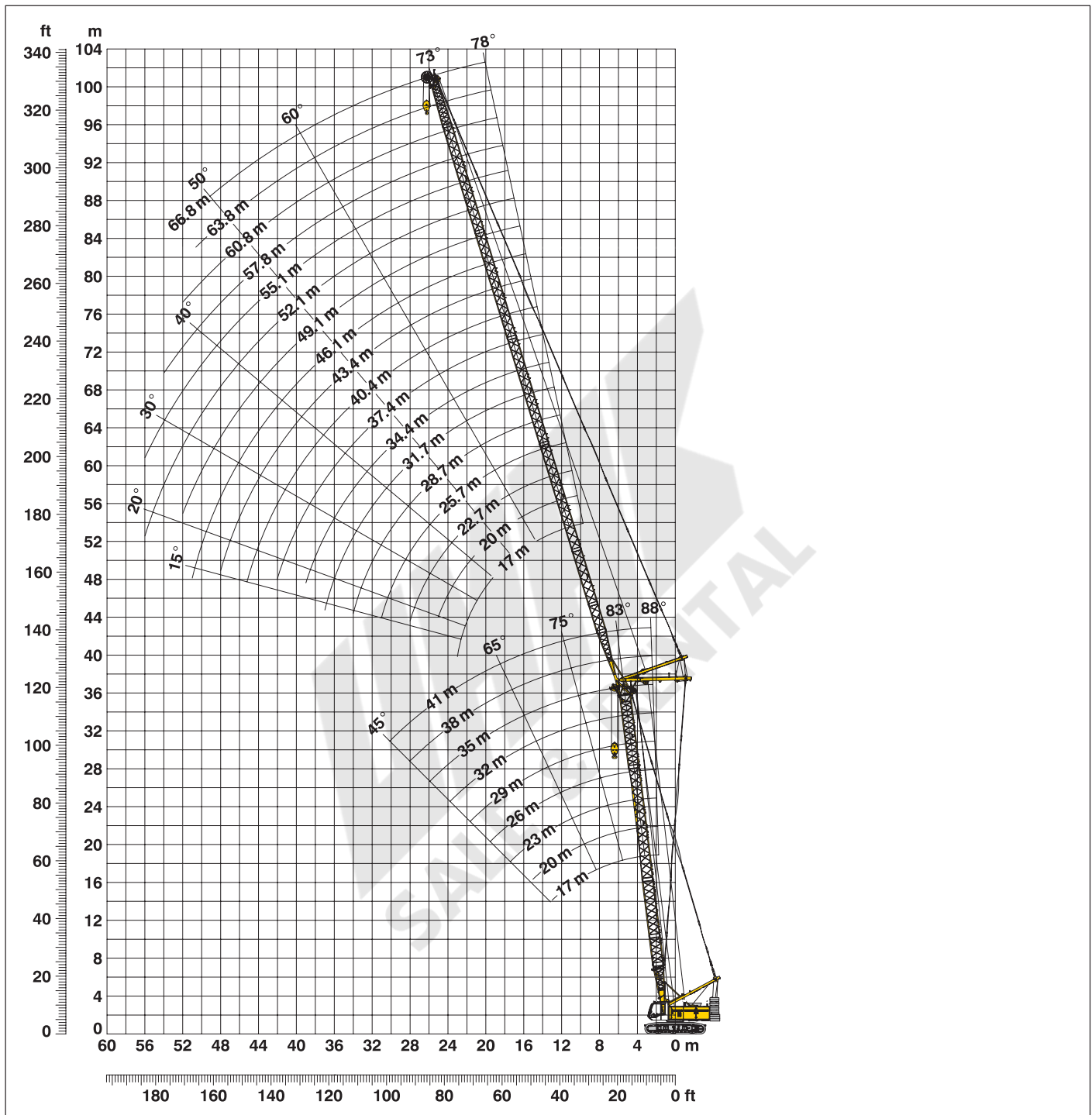
Main boom 35 m

Radius (m)	Jib length in (m)							
	14	17						
t	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
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							
9	38.8	35.3						
11	34.7	32.7	27.5					
13	28.7	27.3	24.8	21.3				
14	24.4	23.3	22.0	19.2	13.8			
15	22.7	21.7	20.6	18.2	13.3	10.1		
17	21.2	20.3	19.3	17.5	12.9	10.0	8.2	
18	18.7	17.9	17.1	15.7	11.6	9.5	8.0	5.4
19	17.4	16.9	16.1	15.0	11.3	9.3	7.8	5.4
24	16.2	16.0	15.3	14.4	11.1	9.0	7.7	5.2
30		12.1	11.3	11.2	9.1	7.9	6.7	4.8
36			9.0	8.9	7.6	6.7	5.8	4.4
46				6.9	6.3	5.7	5.0	4.0
50					4.5	4.2	3.8	3.2
55						3.7	3.4	2.8
							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							
8	38.1							
10	35.3	29.9						
11	29.6	26.8	22.6					
13	27.1	25.4	21.7	18.4				
14	23.2	22.1	19.7	17.0	11.8			
16	21.6	20.6	18.7	16.3	11.6	9.0		
18	19.0	18.2	17.1	15.0	11.0	8.7	7.2	
19	17.0	16.2	15.3	13.8	10.2	8.4	6.9	4.9
24	16.2	15.4	14.4	13.3	9.9	8.1	6.8	4.8
30		11.3	10.5	10.1	8.4	7.2	6.0	4.4
36			8.1	7.6	6.8	6.1	5.4	4.0
46				6.2	5.5	5.1	4.6	3.6
50					4.0	3.6	3.3	2.7
55						3.2	2.9	2.3
							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							
10	27.4	22.4						
11	25.8	21.8	18.8					
13	24.5	21.1	18.0	15.3				
15	21.7	19.2	16.6	14.3	9.8			
16	19.3	17.4	15.2	13.3	9.4	7.8		
18	18.1	16.5	14.6	12.8	9.2	7.6	6.2	
19	16.1	15.0	13.3	11.5	8.6	7.2	5.9	4.3
24	15.1	14.0	12.6	11.3	8.4	7.0	5.8	4.3
30		10.3	9.9	9.0	7.2	6.1	5.2	3.9
36			7.7	7.0	5.9	5.3	4.6	3.5
46				5.8	4.9	4.4	3.9	3.1
48					3.7	3.2	2.9	2.2
50						3.1	2.7	2.1
55						2.9	2.5	
							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							
10	20.3	17.4						
11	19.3	16.7	14.1					
13	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					
10	18.2	15.2				
11	17.5	14.6	12.7			
13	16.7	14.0	12.2	10.1		
14	15.0	13.0	11.1	9.6	8.1	
16	14.3	12.6	10.8	9.3	7.8	6.5
18	12.9	10.5	9.9	8.7	7.3	6.2
20	10.0	9.6	9.3	8.0	6.9	5.8
24	8.2	8.8	8.5	7.5	6.4	5.5
30		7.3	7.2	6.4	5.6	4.9
36			5.4	5.2	4.7	4.2
42				4.3	3.9	3.5
48					3.2	2.9
						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		
11	13.0	10.3	11.0
12	12.5	10.1	10.8
13	12.2	9.7	10.5
14	11.0	9.4	10.0
16	10.5	8.9	9.7
18	9.6	8.1	8.9
20	8.9	7.2	8.3
22	8.3	6.5	7.7
24	7.7	6.1	7.3
26	6.9	5.8	6.6
28		5.6	6.0
30		5.4	5.6
			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

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

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

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
11	24.0	t	t	t	t	t	t	t
12	22.1	t	t	t	t	t	t	t
13	20.5	19.6	t	t	t	t	t	t
15	17.9	17.1	16.3	t	t	t	t	t
20	13.6	13.0	12.3	11.8	9.4	t	t	t
22	12.4	11.8	11.2	10.7	9.0	7.1	t	t
24	t	10.8	10.2	9.8	8.5	6.9	5.6	t
26	t	9.9	9.4	9.0	8.0	6.7	5.5	4.0
32	t	t	7.5	7.1	6.3	5.9	5.2	3.8
38	t	t	t	5.8	5.0	4.7	4.3	3.5
50	t	t	t	t	3.3	3.0	2.7	2.2
55	t	t	t	t	t	2.6	2.3	t

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

Main boom 38 m

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

Main boom 41 m

Radius (m)	Jib length in (m)		
	22.7	25.7	28.7
14.1	12.1	t	t
15	11.4	10.2	t
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	t	5.7	6.1
34	t	t	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	16.2						
19	16.9	13.7						
22	15.0	12.4	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	13.2						
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	9.4						
24	9.9	9.4	8.0					
26	9.0	8.5	8.0					
28	8.3	7.8	7.3					
32		7.2	6.7	6.3				
34		6.2	5.8	5.4	4.6			
36			5.4	5.0	4.2	3.8		
38			5.0	4.6	3.9	3.5	3.1	
44			4.7	4.3	3.6	3.2	2.8	
48				3.5	2.8	2.4	2.1	
50					2.4	2.0		
					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	8.7	6.9					
28	7.8	7.4	6.9					
30	7.2	6.8	6.3	5.9	5.0			
32		6.3	5.8	5.4	5.0	4.2		
34		5.8	5.4	5.0	4.6	4.2		
40		5.4	5.0	4.6	4.2	3.9		
44			4.1	3.7	3.3	3.0		
48				3.2	2.9	2.5		
50					2.5	2.1		
					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	7.1						
26	6.9	6.7	6.4					
28	6.4	6.1	5.9					
30	5.9	5.7	5.4					
32	5.5	5.2	5.0					
34	5.1	4.9	4.7					
36		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

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
19.5	t	t	t	t	t	t	t	t
24	13.5	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

Radius (m)	Jib length in (m)						
	17	22.7	28.7	34.4	46.1	52.1	57.8
22	t	t	t	t	t	t	t
26	10.5	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

Radius (m)	Jib length in (m)				
	17	22.7	28.7	34.4	46.1
24.5	t	t	t	t	t
28	8.1	6.6			
30	7.1	6.1			
32	6.5	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

Radius (m)	Jib length in (m)			
	17	22.7	28.7	34.4
27.1	t	t	t	t
32	6.2	4.8		
34	5.1	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

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

Main boom 41 m

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

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4				
28.4	t	t	t	t				
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

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

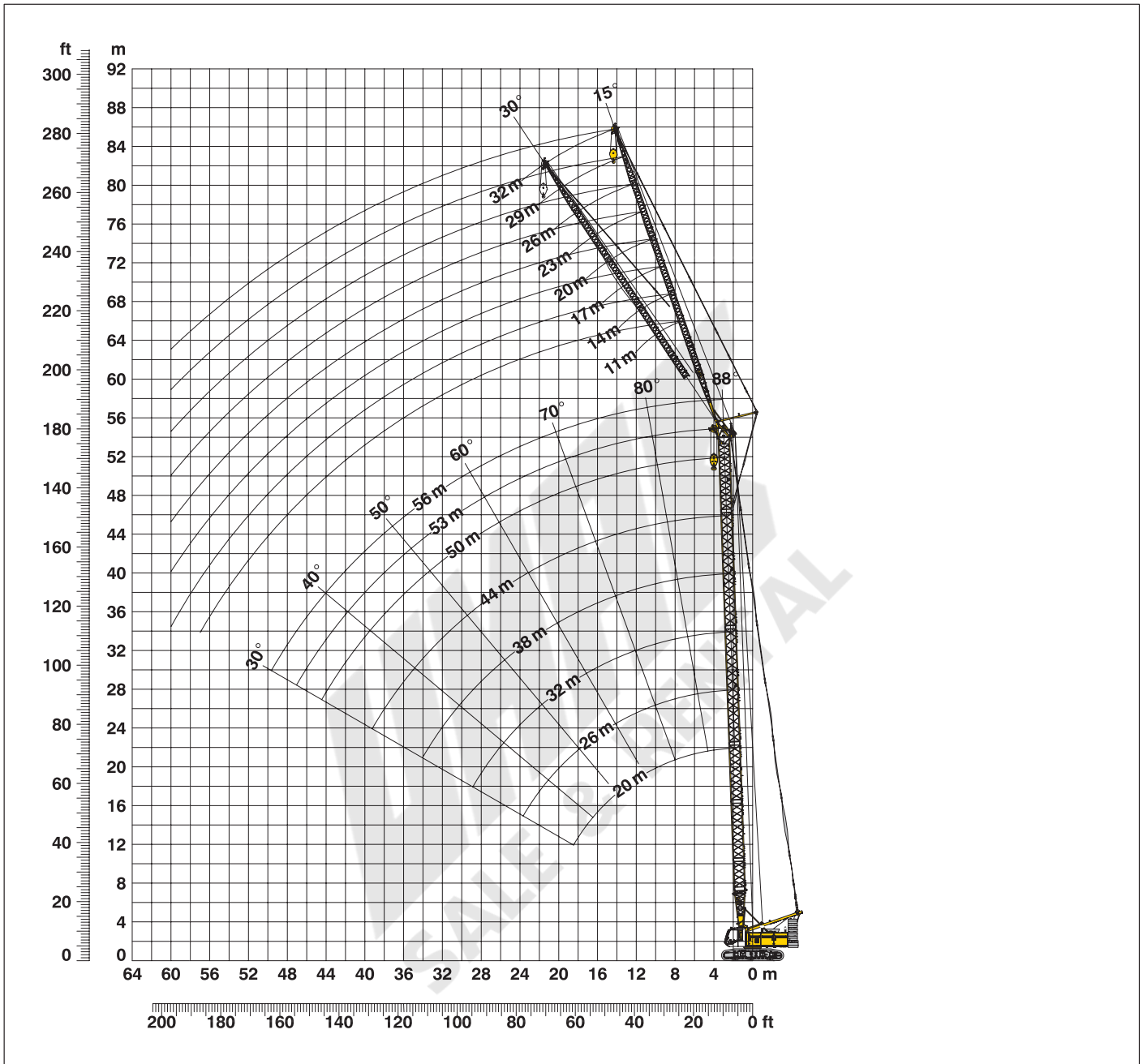
Main boom 29 m

Radius (m)	Jib length in (m)						
	17	22.7					
36.9	3.3	t					
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
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
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
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
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
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
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
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
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
7.5	t	t	t	t
13	21.7	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
7.7	t	t	t	t
14	20.6	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
7.9	t	t	t	t
14	19.1	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
8.1	t	t	t	t
14	17.1	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
8.3	t	t	t	t
14	14.6	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
8.5	t	t	t	t
14	12.1	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

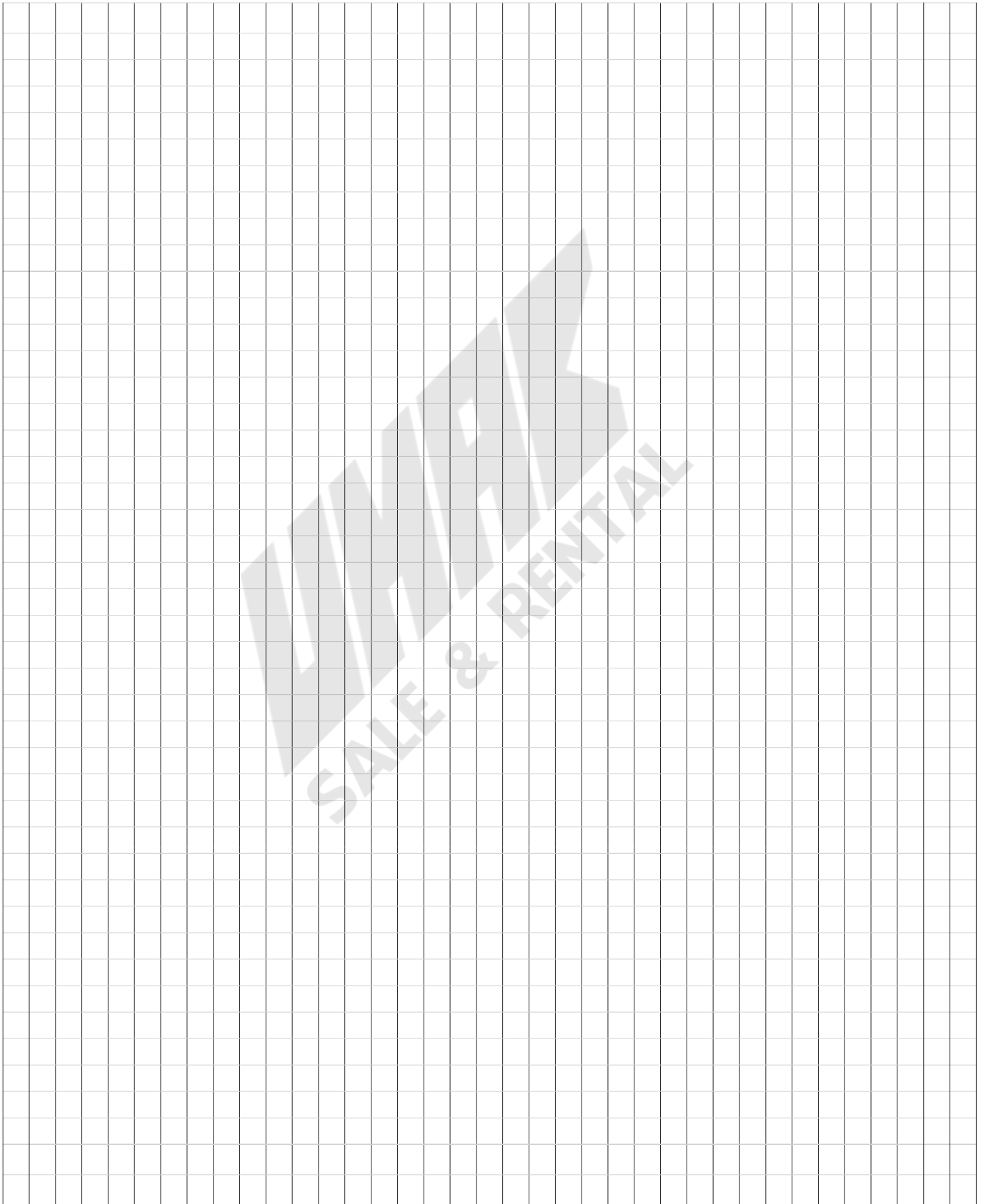
Radius (m)	Fixed jib length in (m)			
	11	20	26	32
8.6	t	t	t	t
15	10.7	6.0		
18	8.8	5.8	4.1	
22	7.9	5.4	4.0	2.8
26	7.1	4.9	3.9	2.7
30	6.4	4.6	3.6	2.6
34	5.2	4.2	3.4	2.5
38	4.2	3.9	3.2	2.4
40	3.7	3.8	3.1	2.4
42	3.3	3.6	3.0	2.4
44	3.0	3.4	2.9	2.3
46	2.6	3.1	2.8	2.3
48	2.3	2.7	2.8	2.2
50	2.0	2.4	2.7	2.2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

Main boom 56 m

Radius (m)	Fixed jib length in (m)			
	11	14	20	23
8.7	t	t	t	t
11	9.1	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

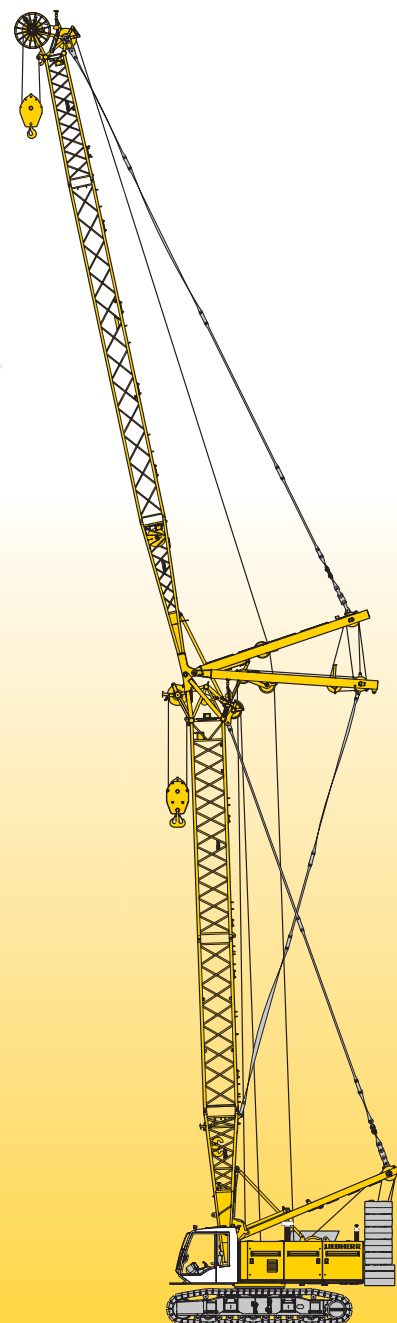


WMAR
SALE & RENTAL

Technical data
Hydraulic lift crane

LR 1100
Litronic®

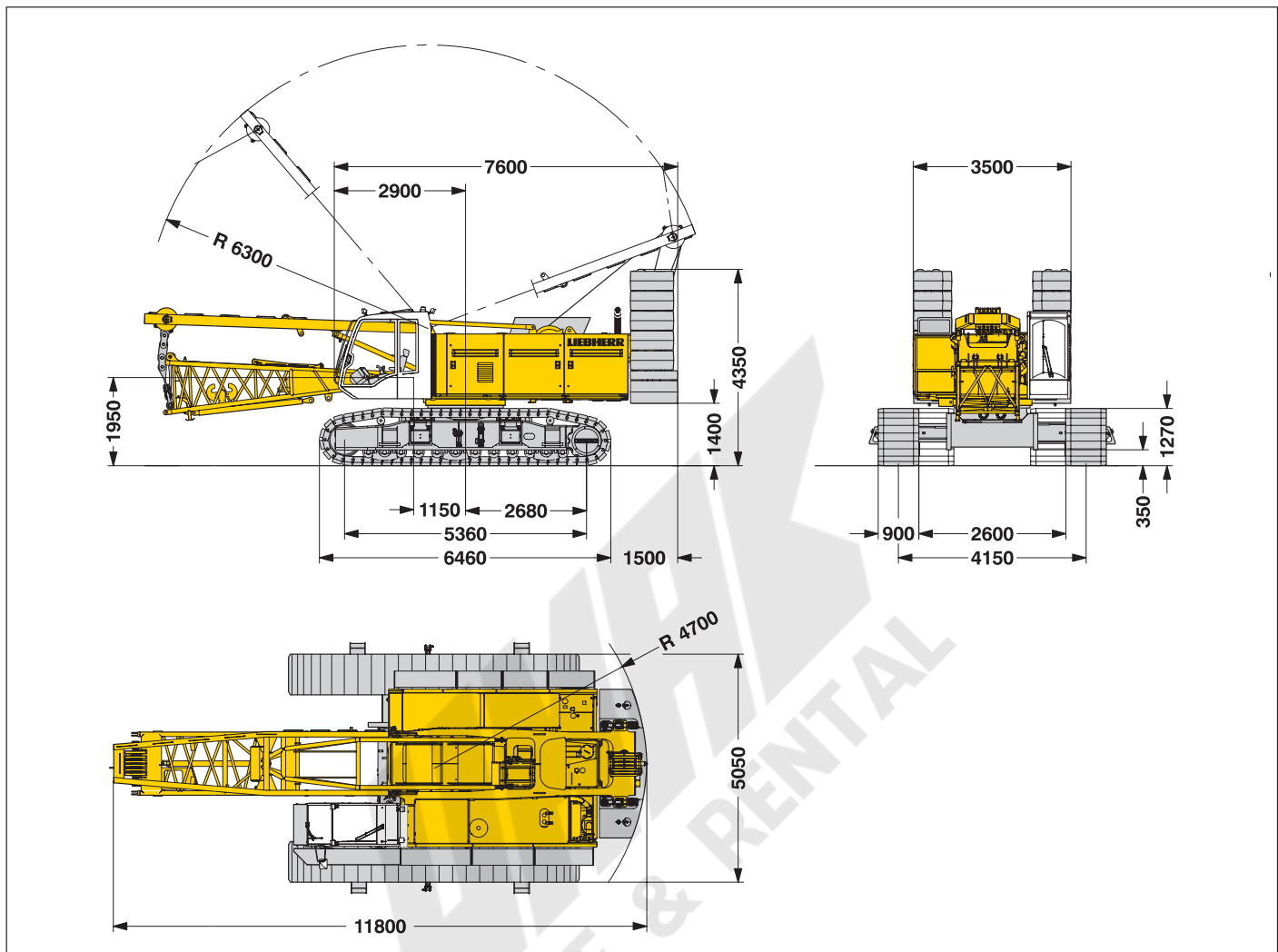
UMAX
SALE & RENTAL



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

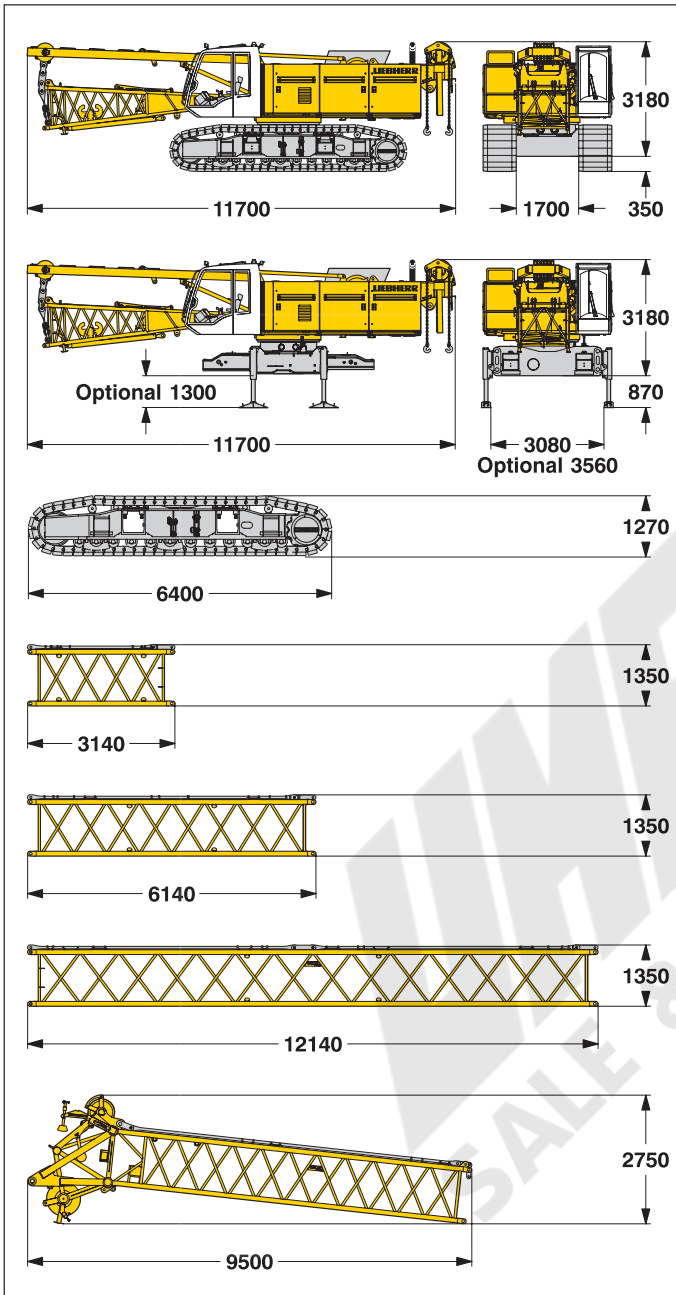
Main boom (No. 1311.xx) max. length _____ 68 m
 High reach (1311.xx and 1008.xx) _____ 83 m
 Luffing jib (No. 1008.xx) max. length _____ 62 m
 Max. combination _____ boom 38 m and luffing jib 62 m
 Fixed jib (No. 0806.xx) _____ 11 m – 32 m
 Auxiliary jib 24 t lifting capacity (option 36 t)

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)



Transport option without pendants

*) 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)

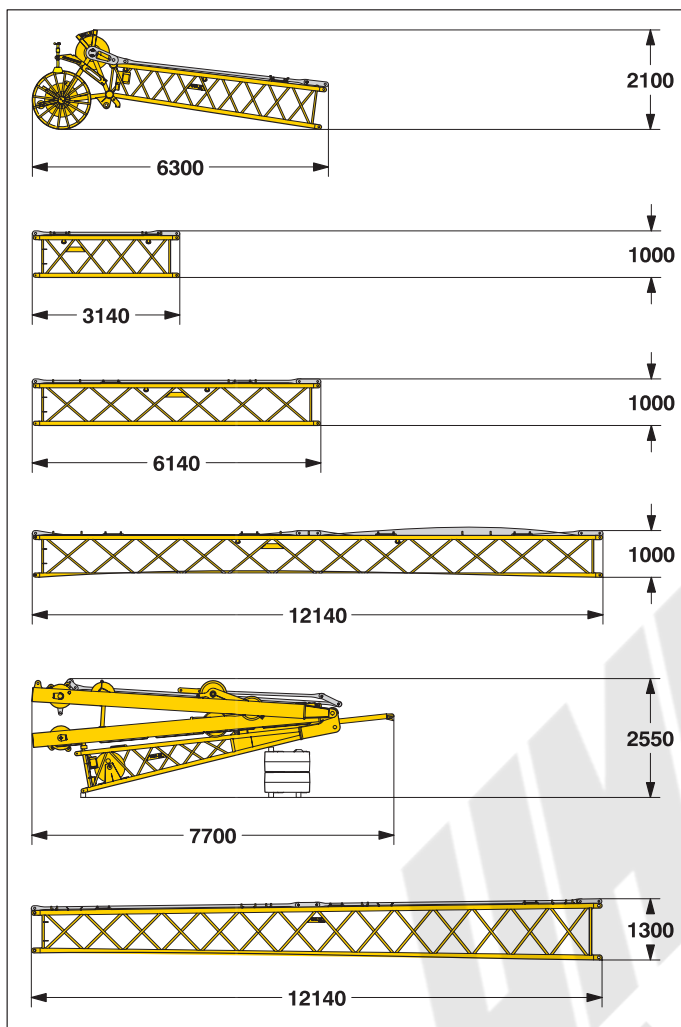
Width	mm	1650
Weight*	kg	2300

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

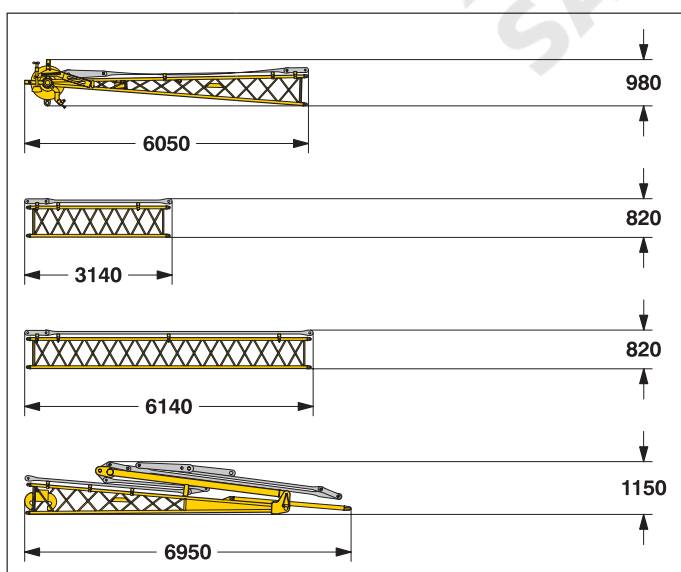
Luffing jib foot with A-frames (No. 1008.20)

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

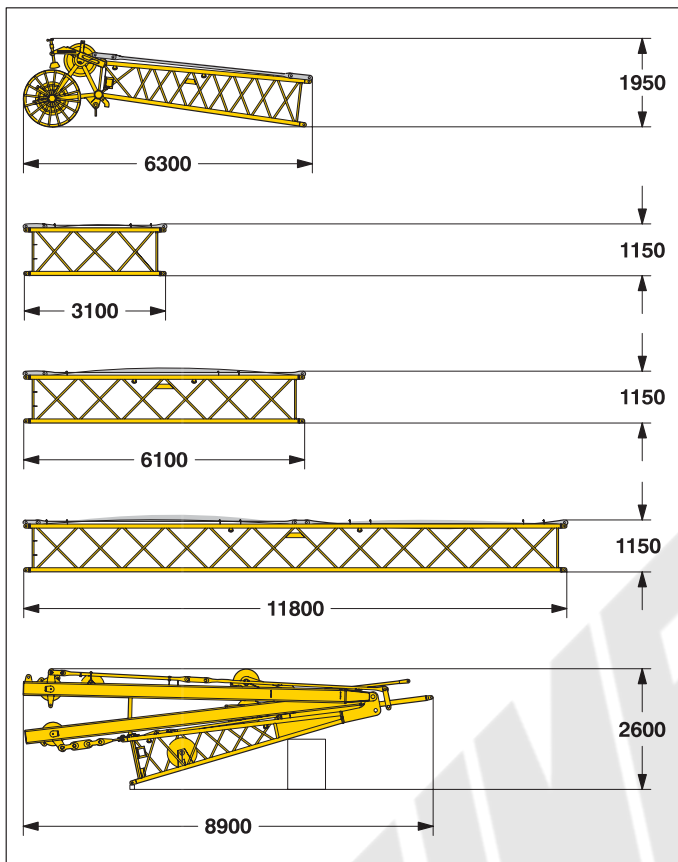
Fixed jib foot with A-frame (No. 0806.16)

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**

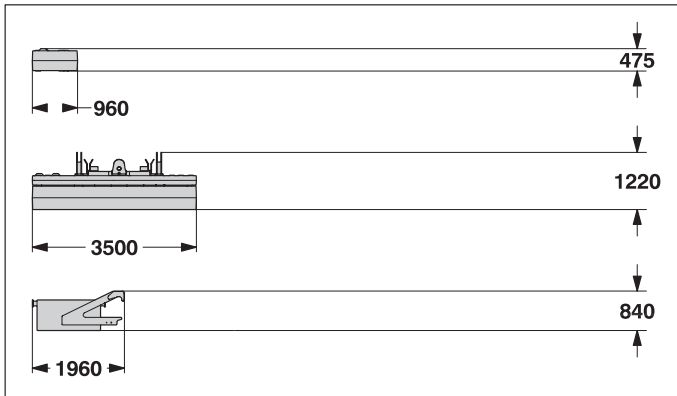
Width	mm	1390
Weight*	kg	960

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

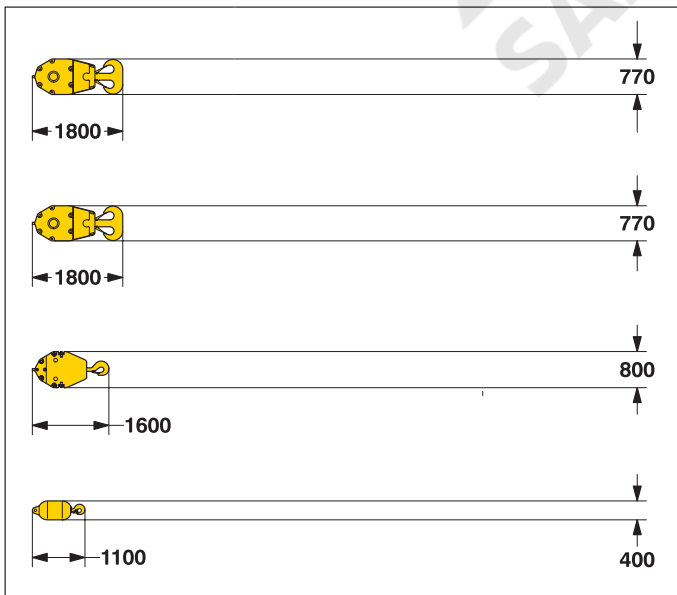
Counterweight **1x**

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

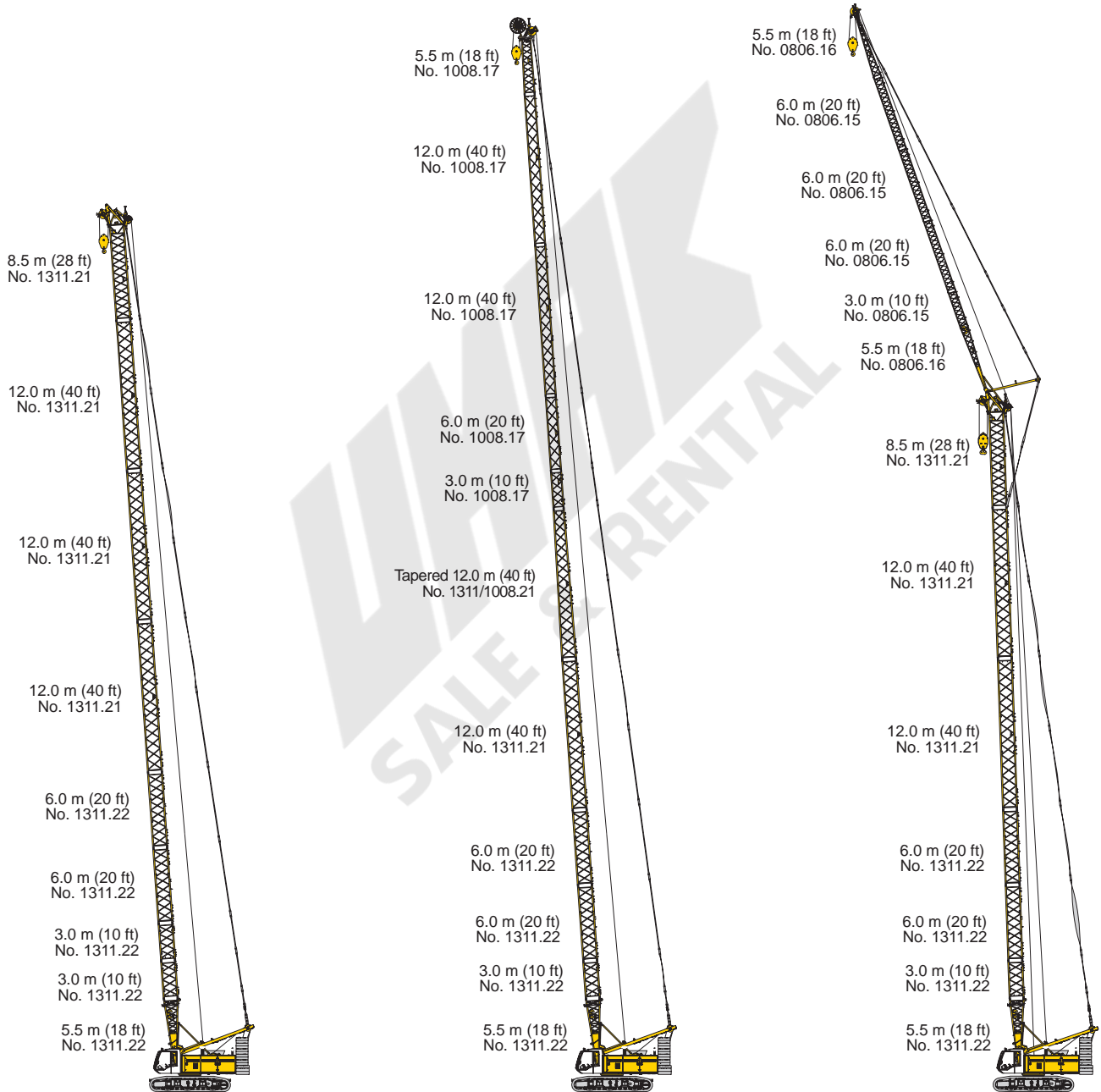
The control system – developed and manufactured by Liebherr – is designed to withstand extreme environmental conditions such as temperature, vibration and electromagnetic interference and to meet all requirements that are needed in heavy duty crane operation.
Complete machine operating data are shown 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

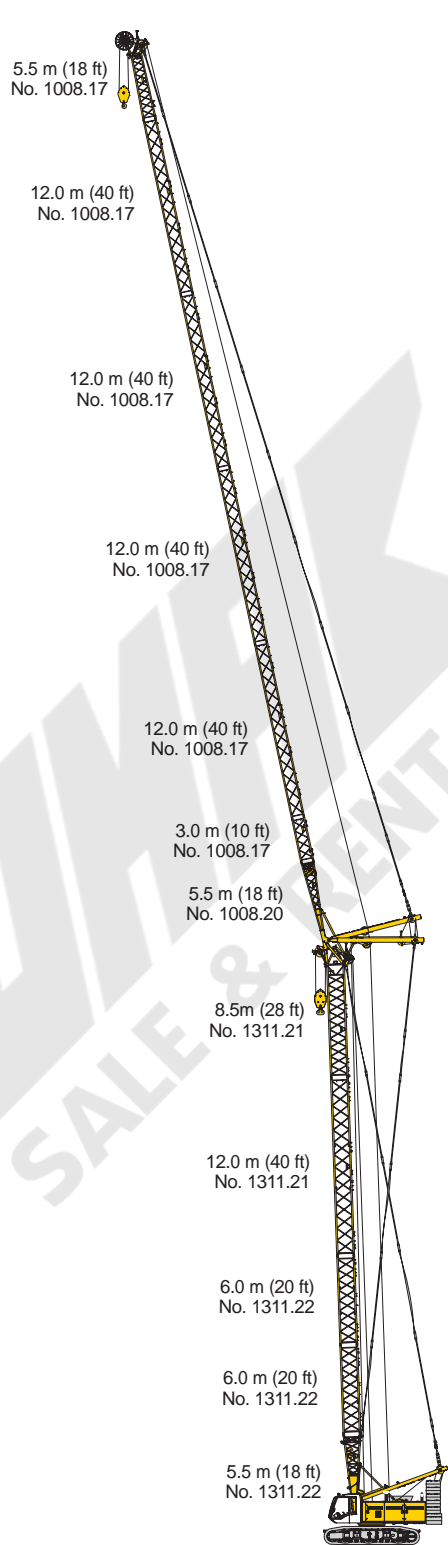


Main boom No. 1311.xx — 68 m

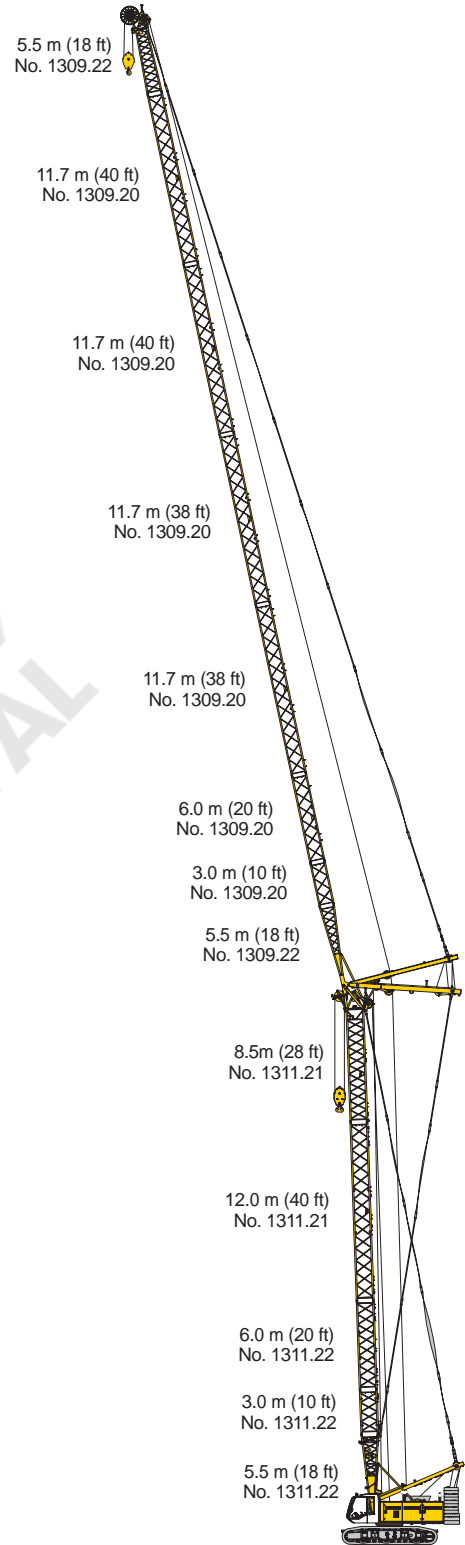
Max. combination — 83.0 m
 Main boom No. 1311.xx — 32.5 m
 Tapered No. 1311/1008.xx — 12.0 m
 Luffing jib No. 1008.xx — 38.5 m

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

Boom combinations

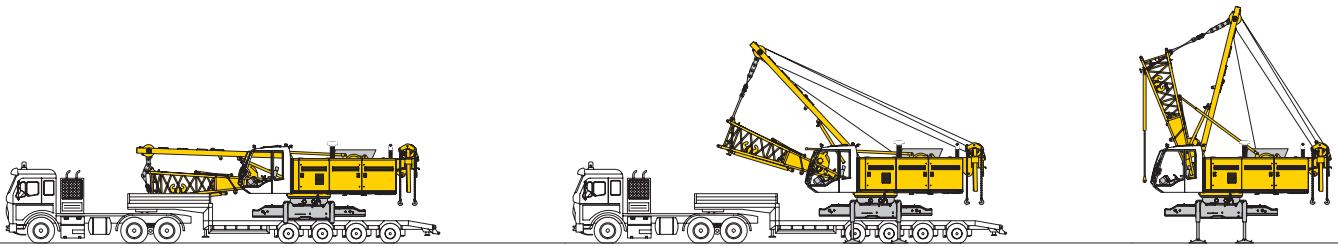


Max. combination	100.0 m
Main boom No. 1311.xx	38.0 m
Luffing jib No. 1008.xx	62.0 m
Main boom No. 1311.xx	41.0 m
Luffing jib No. 1008.xx	44.0 m

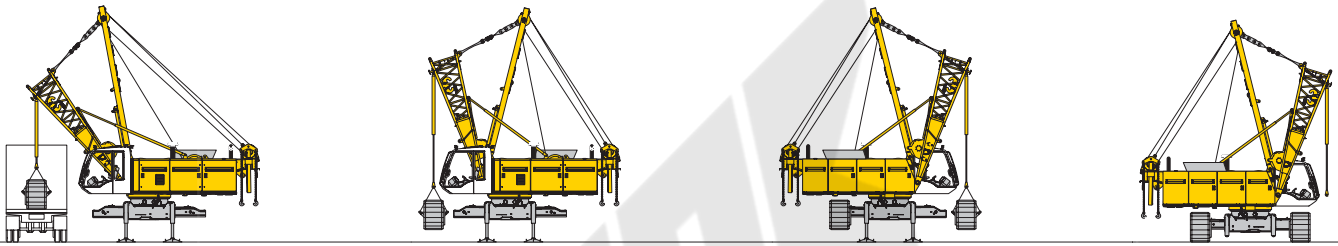


Max. combination	101.8 m
Main boom No. 1311.xx	35.0 m
Luffing jib No. 1309.xx	66.8 m
Main boom No. 1311.xx	38.0 m
Luffing jib No. 1309.xx	46.1 m

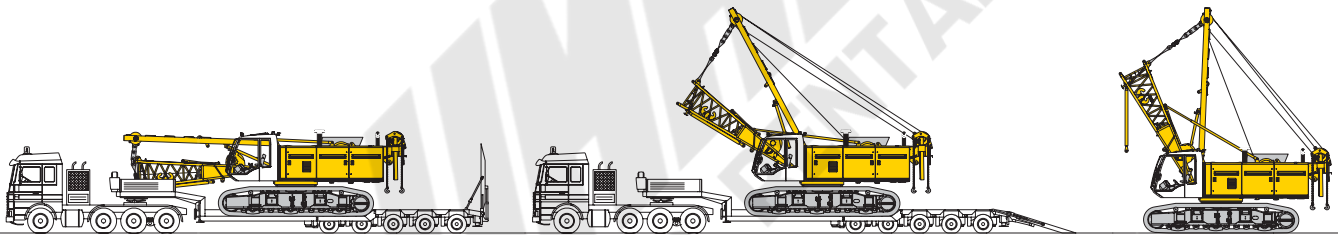
Self assembly system



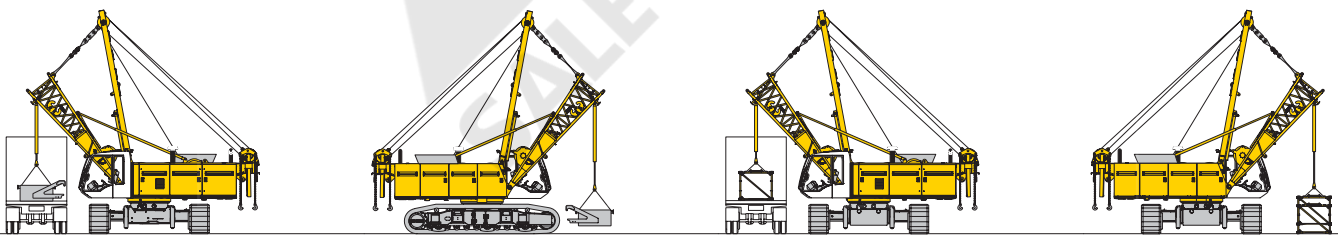
Unloading of basic machine (Optional)



Unloading and assembly of crawlers

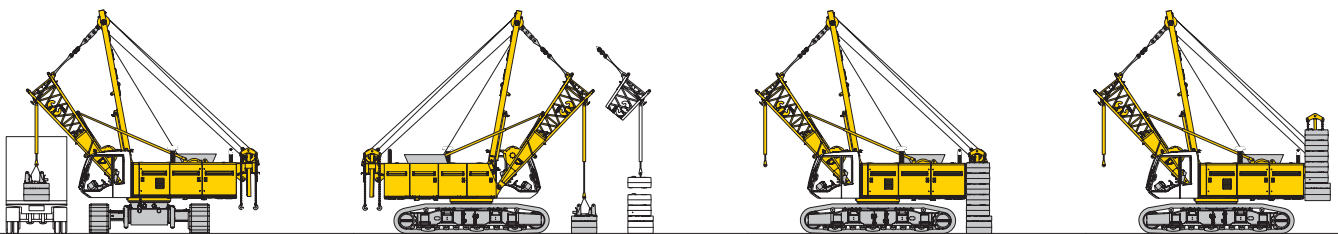


Unloading of basic machine (Standard)



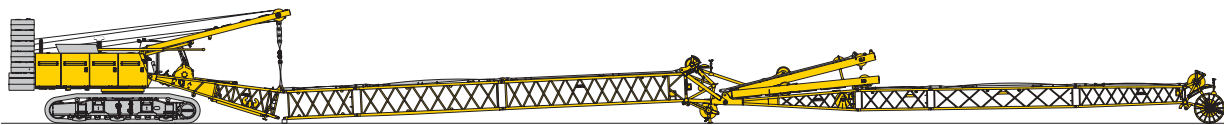
Unloading and assembly of carbody counterweight

Unloading and assembly of boom

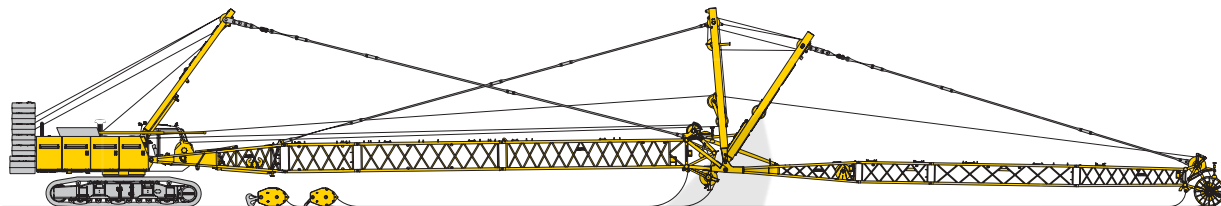


Unloading and assembly of counterweight

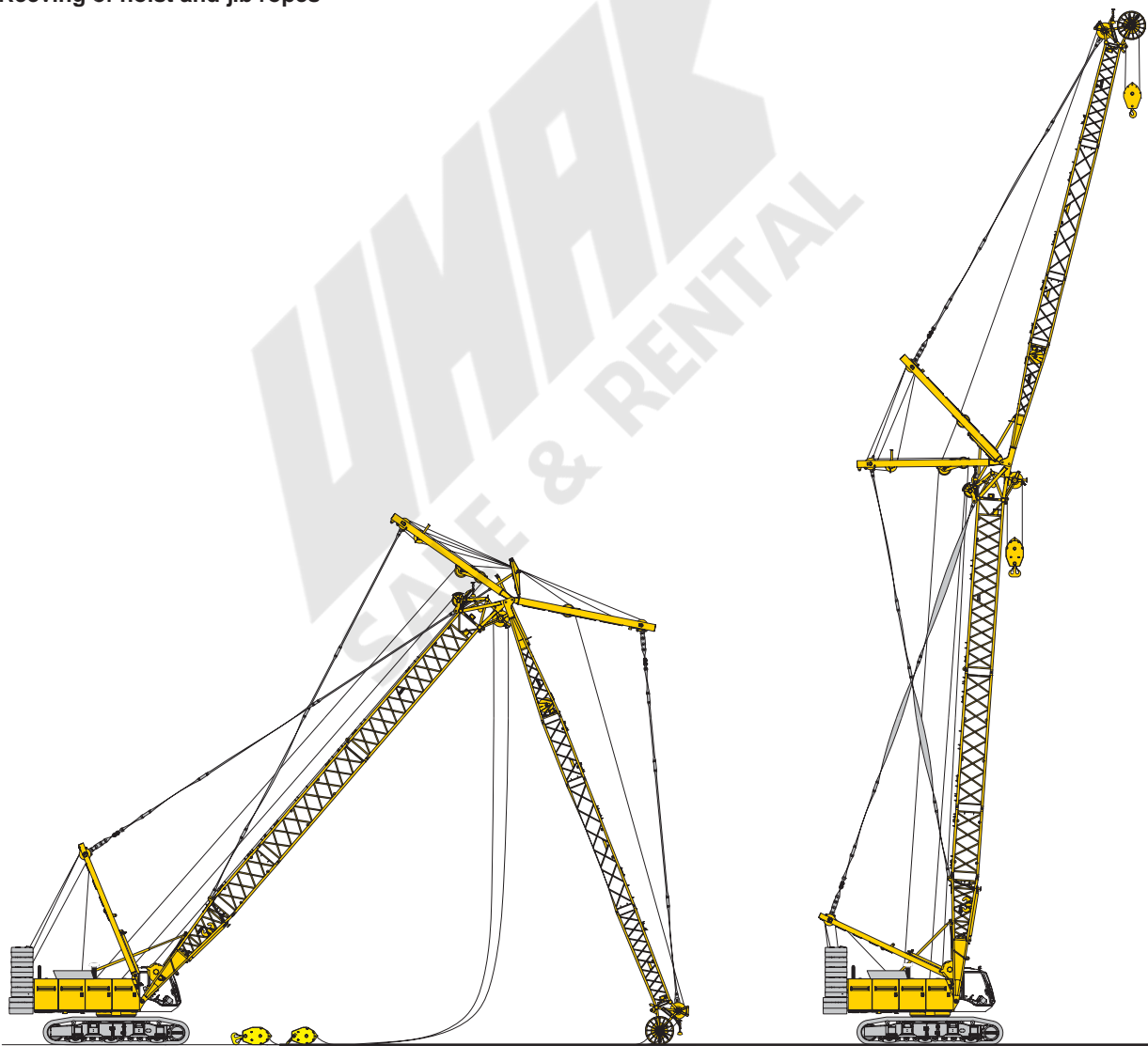
Erecting of main boom to working position



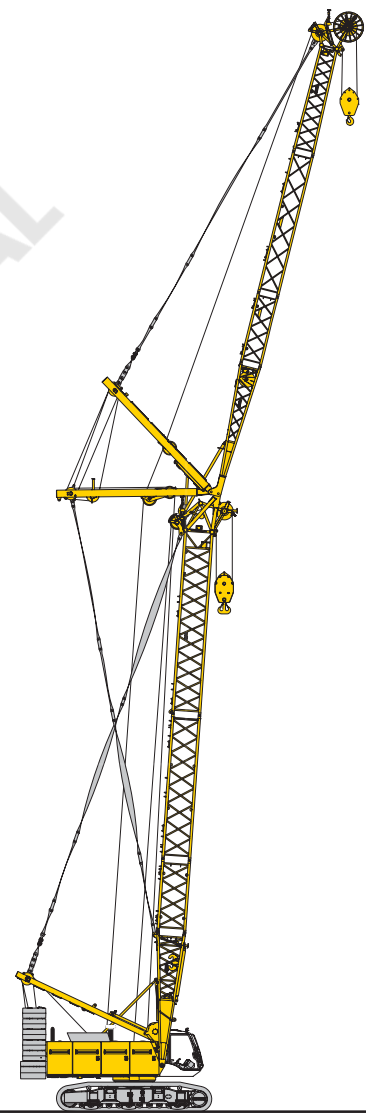
Assembly of boom



Reeving of hoist and jib ropes



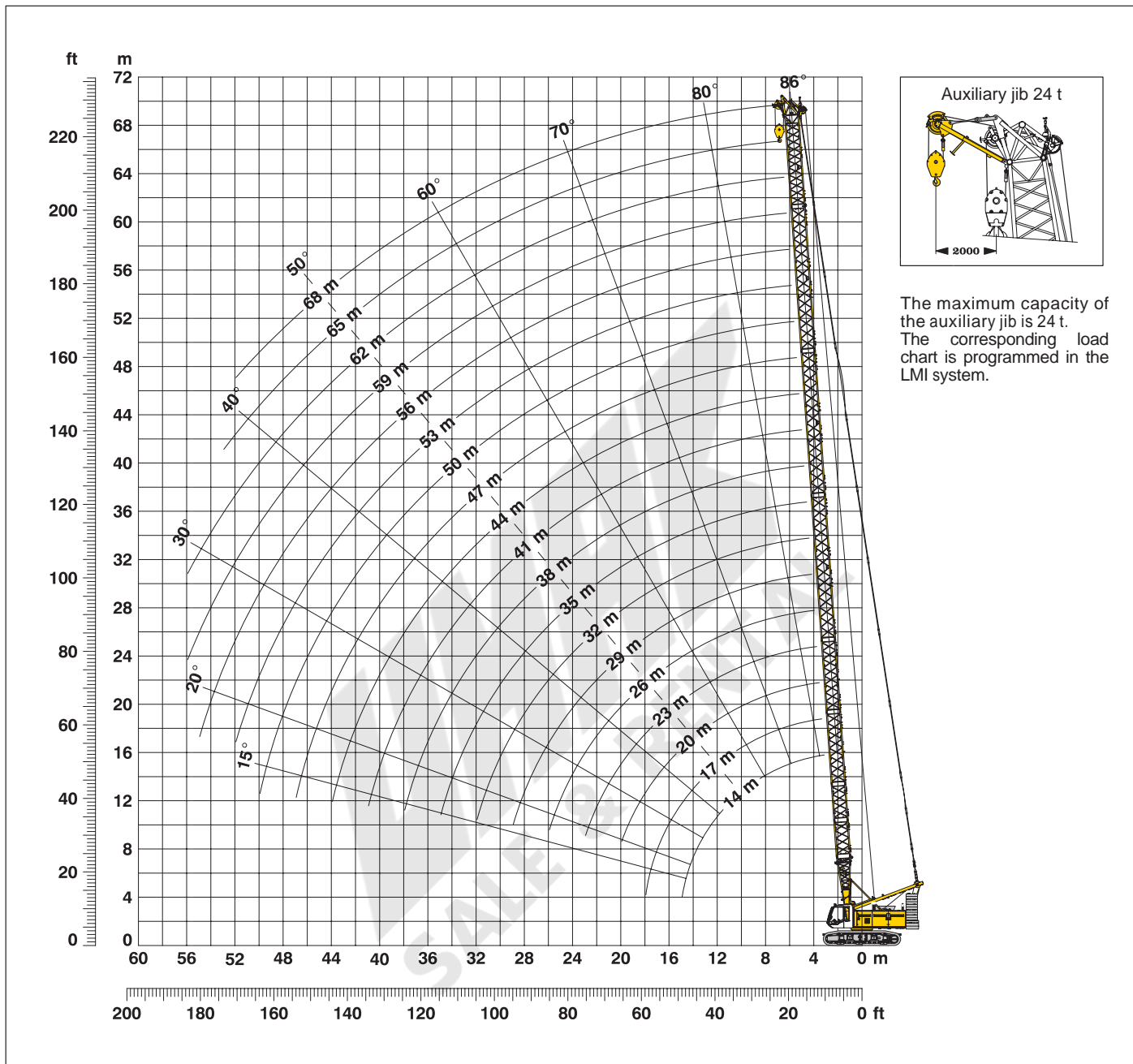
Erecting of main boom and luffing jib



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)

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

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

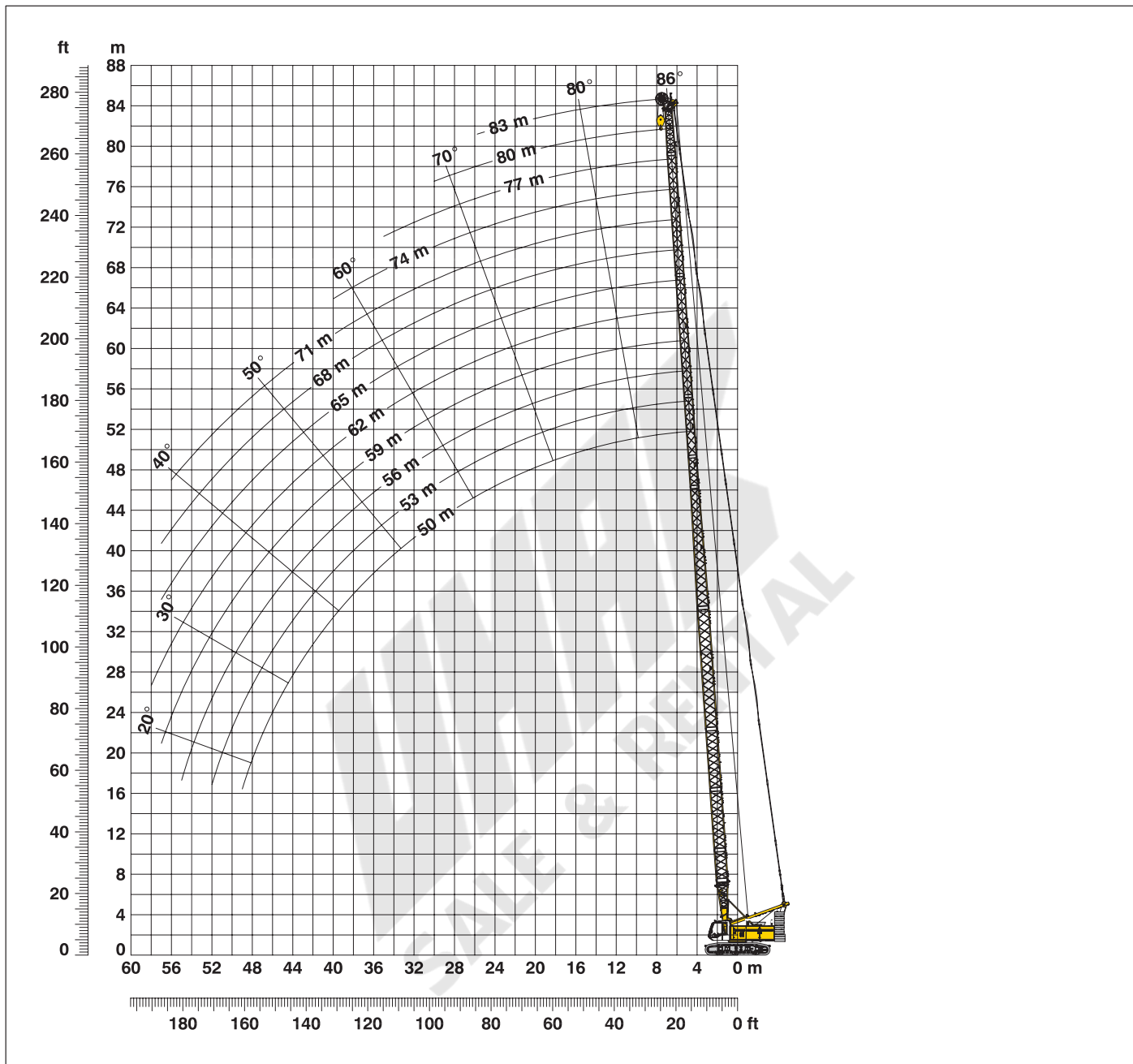
Capacities in metric tons for boom lengths (14 m – 68 m) – with 120 kN winches
32.3 t counterweight and 15 t carbony counterweight

Radius	Boom length in (m)										Radius
	14	20	26	32	38	44	50	56	62	68	
(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)

Configuration	Length	Amount of boom and luffing jib extensions											
		50	53	56	59	62	65	68	71	74	77	80	83
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				
Radius (m)	L – boom length in (m)			
	50	62	74	83
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				
Radius (m)	L – boom length in (m)			
	62	68	74	83
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			

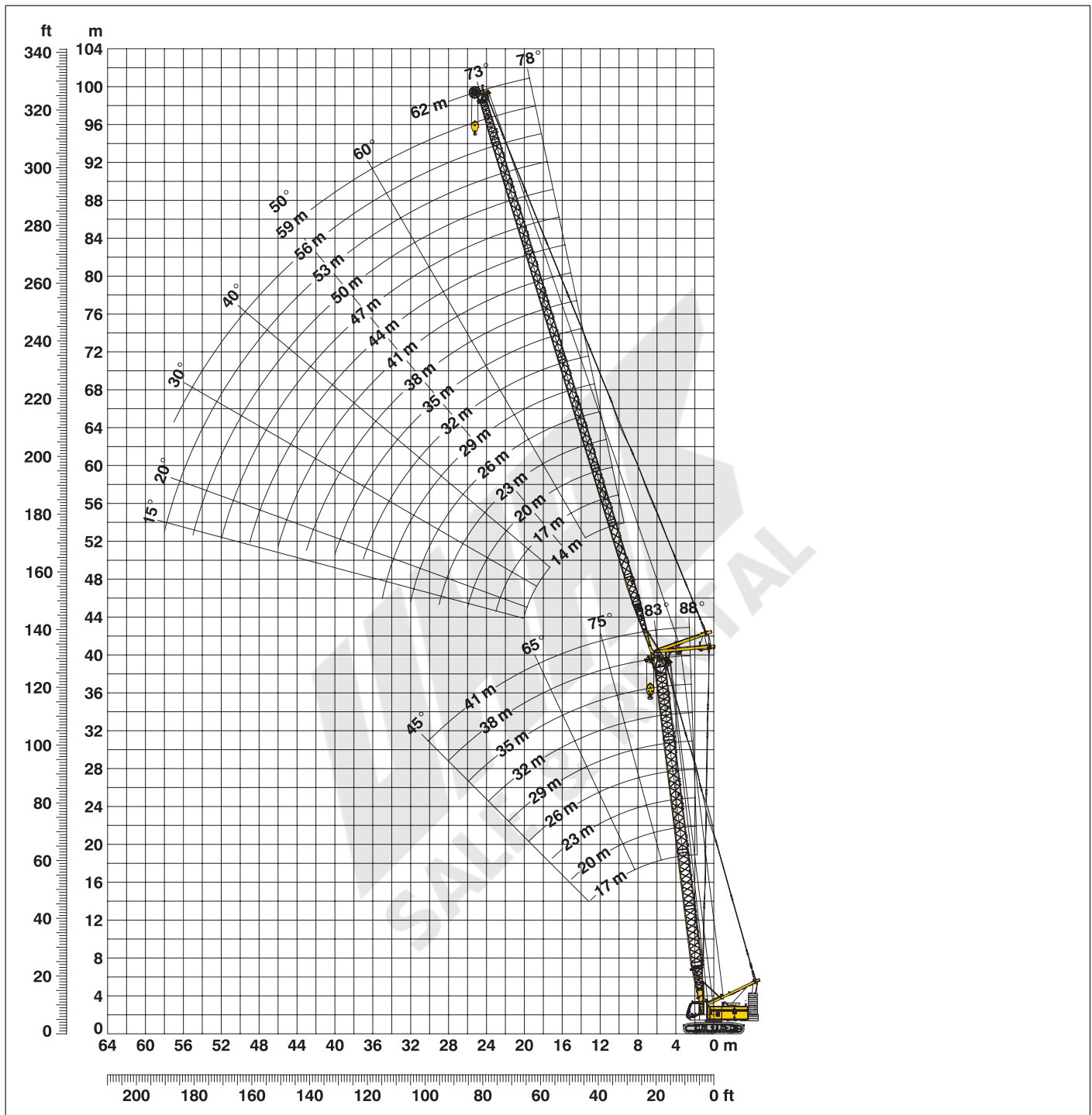
Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

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
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	1
Luffing jib insert	3.0 m	1		1		1		1		1		1		1		1		1
Luffing jib insert	6.0 m		1	1		1	1	1		1	1		1	1	2	2		2
Luffing jib insert	12.0 m				1	1	1	1	2	2	2	2	3	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	1
Luffing jib length in (m)		14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62

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							
8	47.3							
9	39.8	27.9						
11	35.6	26.8	18.9					
13	29.3	24.0	17.7	13.3				
14	25.0	20.4	16.4	12.7	7.1			
15	23.2	19.4	15.7	12.4	7.1	5.4		
16	20.7	18.1	15.1	12.2	7.1	5.3	4.1	
20	16.2	16.9	14.5	11.3	7.0	5.2	4.0	2.9
24		13.5	12.2	10.2	6.5	4.6	3.6	2.6
26		9.6	9.8	9.0	6.0	4.3	3.4	2.3
28			9.1	8.6	5.8	4.1	3.2	2.2
30			8.1	8.2	5.7	4.0	3.1	2.1
36			6.9	7.8	5.5	3.9	3.1	2.1
44				5.5	5.1	3.7	2.8	
50					3.9	3.4	2.5	
55						2.9	2.3	
							2.2	

Main boom 23 m

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

Main boom 29 m

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

Main boom 35 m

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

Main boom 38 m

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

Main boom 41 m

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

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

Main boom 23 m

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

Main boom 29 m

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

Main boom 35 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
10.8	22.4	t	t	t	t	t	t	t
14	18.3	14.8	t	t	t	t	t	t
16	16.2	13.8	11.2	t	t	t	t	t
17	15.3	13.3	10.8	8.5	t	t	t	t
20	10.1	11.2	9.8	8.1	5.3	t	t	t
22	t	10.6	9.3	7.7	5.2	3.8	t	t
24	t	9.6	8.8	7.3	5.0	3.7	2.9	t
28	t	7.2	7.8	6.7	4.8	3.5	2.8	t
34	t	t	5.4	6.1	4.6	3.3	2.6	t
38	t	t	t	5.0	4.4	3.2	2.5	t
40	t	t	t	4.3	4.3	3.1	2.4	t
48	t	t	t	t	3.5	2.9	2.2	t
50	t	t	t	t	t	2.9	2.2	t
55	t	t	t	t	t	t	2.1	t

Main boom 38 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
11.2	19.4	t	t	t	t	t	t	t
14	17.1	13.2	t	t	t	t	t	t
16	15.7	12.4	9.9	t	t	t	t	t
18	14.0	11.2	9.4	7.6	t	t	t	t
20	12.7	10.1	8.8	7.3	4.9	t	t	t
22	t	9.3	8.2	6.9	4.8	3.6	t	t
24	t	8.5	7.7	6.6	4.6	3.6	2.8	t
28	t	6.6	6.9	6.0	4.4	3.4	2.6	t
34	t	t	5.0	5.5	4.1	3.2	2.5	t
40	t	t	t	4.1	3.8	3.0	2.3	t
48	t	t	t	t	3.3	2.8	2.1	t
50	t	t	t	t	t	2.7	2.1	t
55	t	t	t	t	t	t	2.5	t

Main boom 41 m

Radius (m)	Jib length in (m)							
	14	23	29	35	44	50	56	62
11.5	17.0	t	t	t	t	t	t	t
15	14.5	11.0	t	t	t	t	t	t
16	14.0	10.6	8.7	t	t	t	t	t
18	13.2	9.8	8.3	6.7	t	t	t	t
20	12.3	8.9	7.7	6.4	t	t	t	t
22	t	8.1	7.2	6.1	4.5	t	t	t
28	t	5.8	6.0	5.3	4.1	t	t	t
34	t	t	4.6	4.8	3.7	t	t	t
40	t	t	t	3.8	3.5	t	t	t
42	t	t	t	t	3.4	t	t	t
44	t	t	t	t	t	3.3	t	t
46	t	t	t	t	t	t	3.2	t
48	t	t	t	t	t	t	3.0	t

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

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

Main boom 23 m

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

Main boom 29 m

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

Main boom 35 m

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

Main boom 38 m

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

Main boom 41 m

Radius (m)	Jib length in (m)					
	14	23	29	35	44	
19	t	t	t	t	t	
24	10.5					
26	8.4	7.7				
28	7.7	7.1	6.2			
32		6.6	5.9	4.9		
34		5.7	5.3	4.7	3.5	
40		5.3	4.9	4.5	3.5	
46			4.0	3.7	3.2	
48				3.0	2.5	
50					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 65°

Main boom 17 m

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

Main boom 23 m

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

Main boom 29 m

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

Main boom 35 m

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

Main boom 38 m

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

Main boom 41 m

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

Radius (m)	Jib length in (m)								
	14	23	29	35	44				
t	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

Radius (m)	Jib length in (m)								
	14	23	29	35					
t	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

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

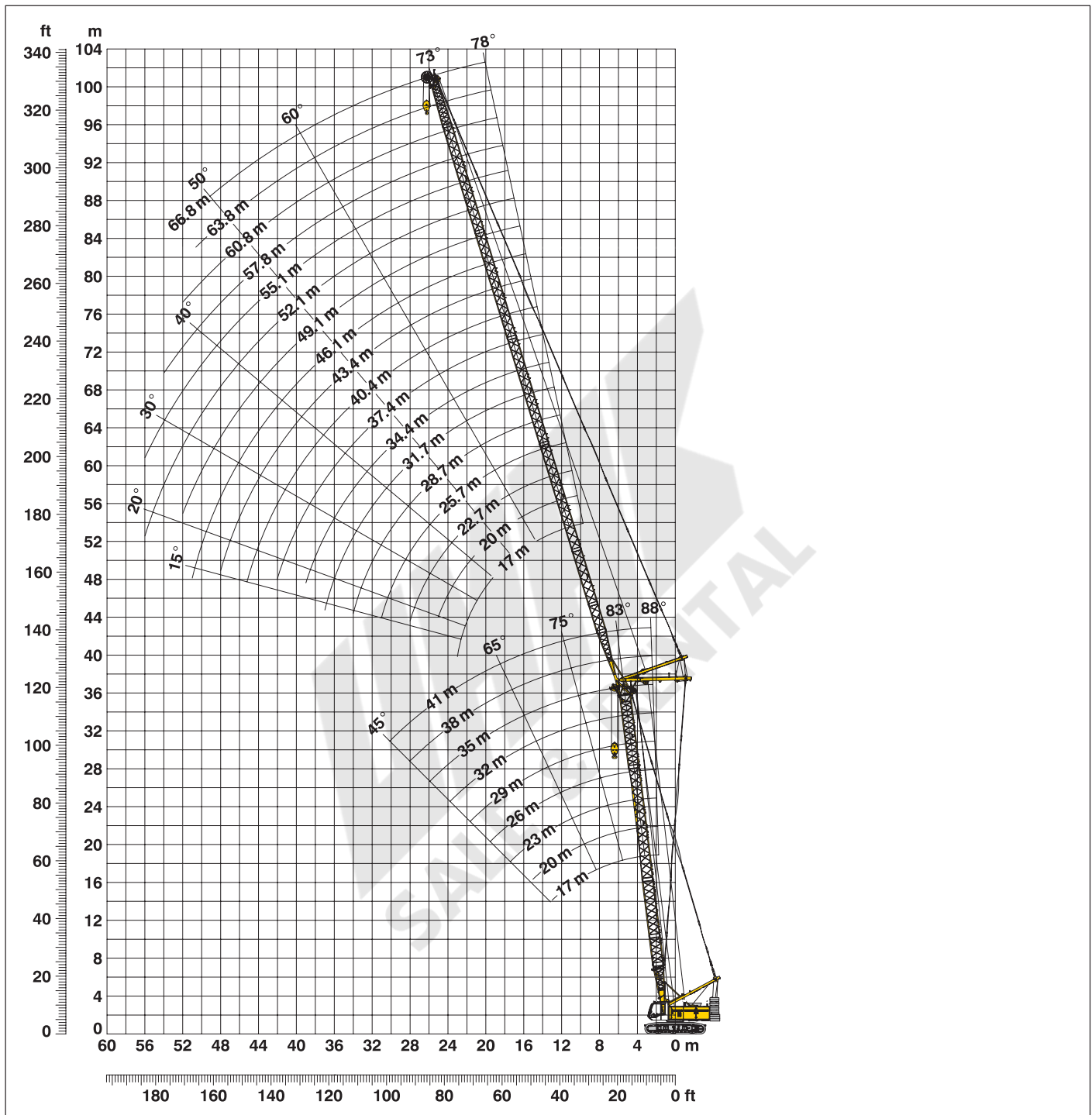
Main boom 35 m

Radius (m)	Jib length in (m)							
	14	17						
t	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
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	22.4						
10	27.4	21.8	18.8					
11	25.8	21.1	18.0	15.3				
13	24.5	19.2	18.0	15.3	9.8			
15	21.7	19.2	16.6	14.3	9.8	7.8		
16	19.3	17.4	15.2	13.3	9.4	7.8		
18	18.1	16.5	14.6	12.8	9.2	7.6	6.2	
19	16.1	15.0	13.3	11.5	8.6	7.2	5.9	4.3
24	15.1	14.0	12.6	11.3	8.4	7.0	5.8	4.3
30		10.3	9.9	9.0	7.2	6.1	5.2	3.9
36			7.7	7.0	5.9	5.3	4.6	3.5
46				5.8	4.9	4.4	3.9	3.1
48					3.7	3.2	2.9	2.2
50						3.1	2.7	2.1
55						2.9	2.5	

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	17.4						
10	20.3	17.4	14.1					
11	19.3	16.7	14.1					
13	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	12.4	10.3	10.2	8.8	6.4	5.4	4.5	3.3
24	10.6	9.9	9.7	8.5	6.2	5.2	4.4	3.2
30		7.9	7.8	7.0	5.4	4.6	3.8	2.8
36			6.0	5.6	4.5	4.0	3.4	2.4
38				4.7	3.8	3.4	2.9	2.2
46					3.6	3.2	2.7	2.0
48					2.8	2.4	2.0	
50						2.6	2.2	

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	15.2				
10	18.2	14.6	12.7			
11	17.5	14.0	12.2	10.1		
13	16.7	13.0	11.1	9.6	8.1	
14	15.0	12.6	10.8	9.3	7.8	6.5
16	14.3	12.6	10.8	9.3	7.8	6.5
18	12.9	10.5	9.9	8.7	7.3	6.2
20	10.0	9.6	9.3	8.0	6.9	5.8
24	8.2	8.8	8.5	7.5	6.4	5.5
30		7.3	7.2	6.4	5.6	4.9
36			5.4	5.2	4.7	4.2
42				4.3	3.9	3.5
48					3.2	2.9

Main boom 41 m

Radius (m)	Jib length in (m)		
	22.7	25.7	28.7
8.6	t	t	t
10	13.5	10.3	11.0
11	13.0	10.1	10.8
12	12.5	9.7	10.5
13	12.2	9.7	10.5
14	11.0	9.4	10.0
16	10.5	8.9	9.7
18	9.6	8.1	8.9
20	8.9	7.2	8.3
22	8.3	6.5	7.7
24	7.7	6.1	7.3
26	6.9	5.8	6.6
28		5.6	6.0
30		5.4	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 83°

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

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

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
11	24.0	t	t	t	t	t	t	t
12	22.1	t	t	t	t	t	t	t
13	20.5	19.6	t	t	t	t	t	t
15	17.9	17.1	16.3	t	t	t	t	t
20	13.6	13.0	12.3	11.8	9.4	t	t	t
22	12.4	11.8	11.2	10.7	9.0	7.1	t	t
24	t	10.8	10.2	9.8	8.5	6.9	5.6	t
26	t	9.9	9.4	9.0	8.0	6.7	5.5	4.0
32	t	t	7.5	7.1	6.3	5.9	5.2	3.8
38	t	t	t	5.8	5.0	4.7	4.3	3.5
50	t	t	t	t	3.3	3.0	2.7	2.2
55	t	t	t	t	t	2.6	2.3	t

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

Main boom 38 m

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

Main boom 41 m

Radius (m)	Jib length in (m)		
	22.7	25.7	28.7
14.1	12.1	t	t
15	11.4	10.2	t
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	t	5.7	6.1
34	t	t	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	16.2						
19	16.9	13.7						
22	15.0	12.4	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	13.2						
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	9.4						
24	9.9	9.4	8.0					
26	9.0	8.5	8.0					
28	8.3	7.8	7.3					
32		7.2	6.7	6.3				
34		6.2	5.8	5.4	4.6			
36			5.4	5.0	4.2	3.8		
38			5.0	4.6	3.9	3.5	3.1	
44			4.7	4.3	3.6	3.2	2.8	
48				3.5	2.8	2.4	2.1	
50					2.4	2.0		
					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	8.7	6.9					
28	7.8	7.4	6.9					
30	7.2	6.8	6.3	5.9	5.0			
32		6.3	5.8	5.4	5.0	4.2		
34		5.8	5.4	5.0	4.6	4.2		
40		5.4	5.0	4.6	4.2	3.9		
44			4.1	3.7	3.3	3.0		
48				3.2	2.9	2.5		
50					2.5	2.1		
					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	7.1						
26	6.9	6.7	6.4					
28	6.4	6.1	5.9					
30	5.9	5.7	5.4					
32	5.5	5.2	5.0					
34	5.1	4.9	4.7					
36		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

Radius (m)	Jib length in (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
19.5	t	t	t	t	t	t	t	t
24	13.5	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

Radius (m)	Jib length in (m)						
	17	22.7	28.7	34.4	46.1	52.1	57.8
22	t	t	t	t	t	t	t
26	10.5	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

Radius (m)	Jib length in (m)				
	17	22.7	28.7	34.4	46.1
24.5	t	t	t	t	t
28	8.1	6.6			
30	7.1	6.1			
32	6.5	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

Radius (m)	Jib length in (m)			
	17	22.7	28.7	34.4
27.1	t	t	t	t
32	6.2	4.8		
34	5.1	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

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

Main boom 41 m

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

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

Main boom 23 m

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

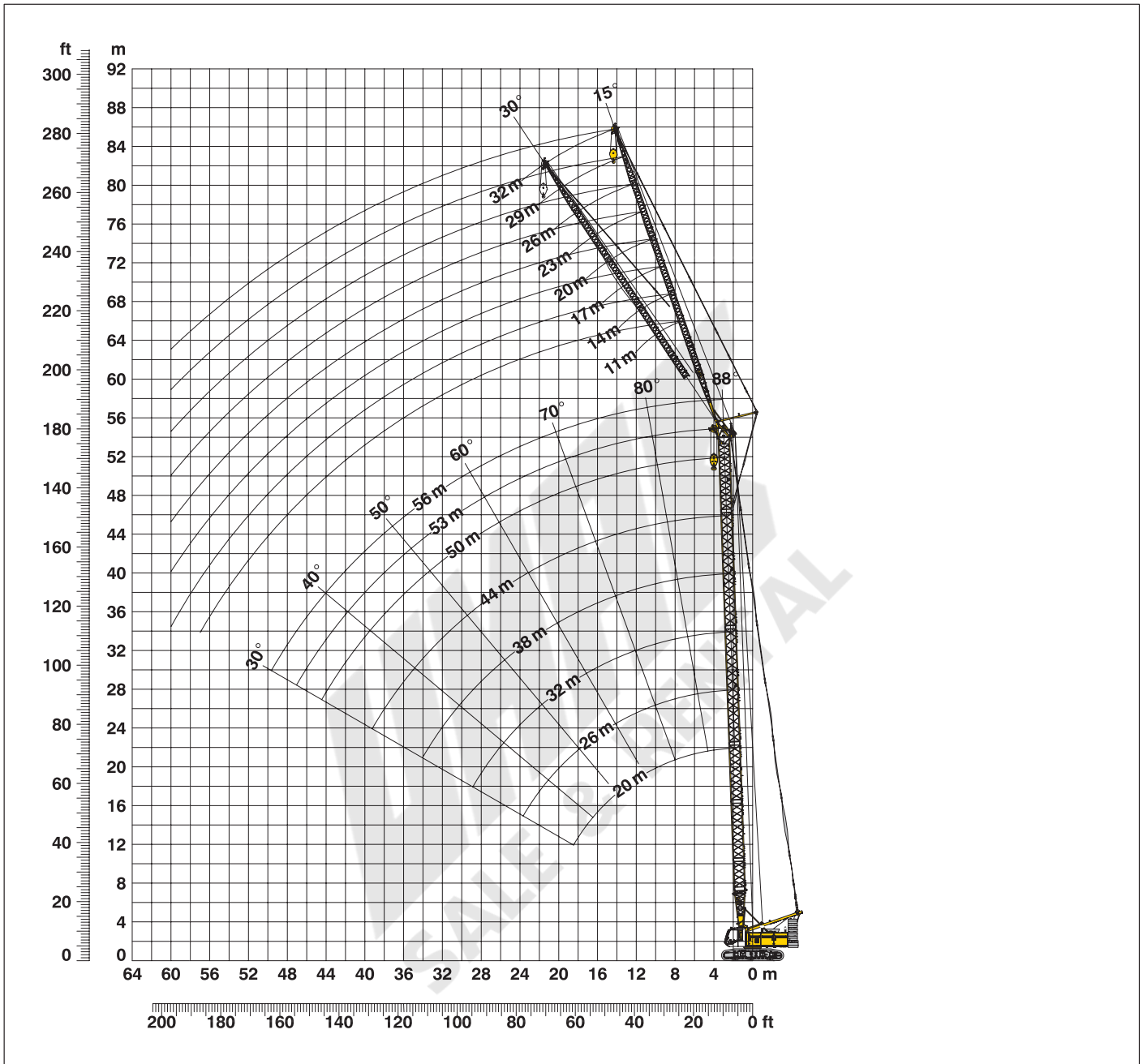
Main boom 29 m

Radius (m)	Jib length in (m)					
	17	22.7				
36.9	t	t				
38	3.3					
42	3.2					
44		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
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
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
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
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
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
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
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
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
7.5	t	t	t	t
13	21.7	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
7.7	t	t	t	t
14	20.6	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
7.9	t	t	t	t
14	19.1	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
8.1	t	t	t	t
14	17.1	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
8.3	t	t	t	t
14	14.6	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
8.5	t	t	t	t
14	12.1	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

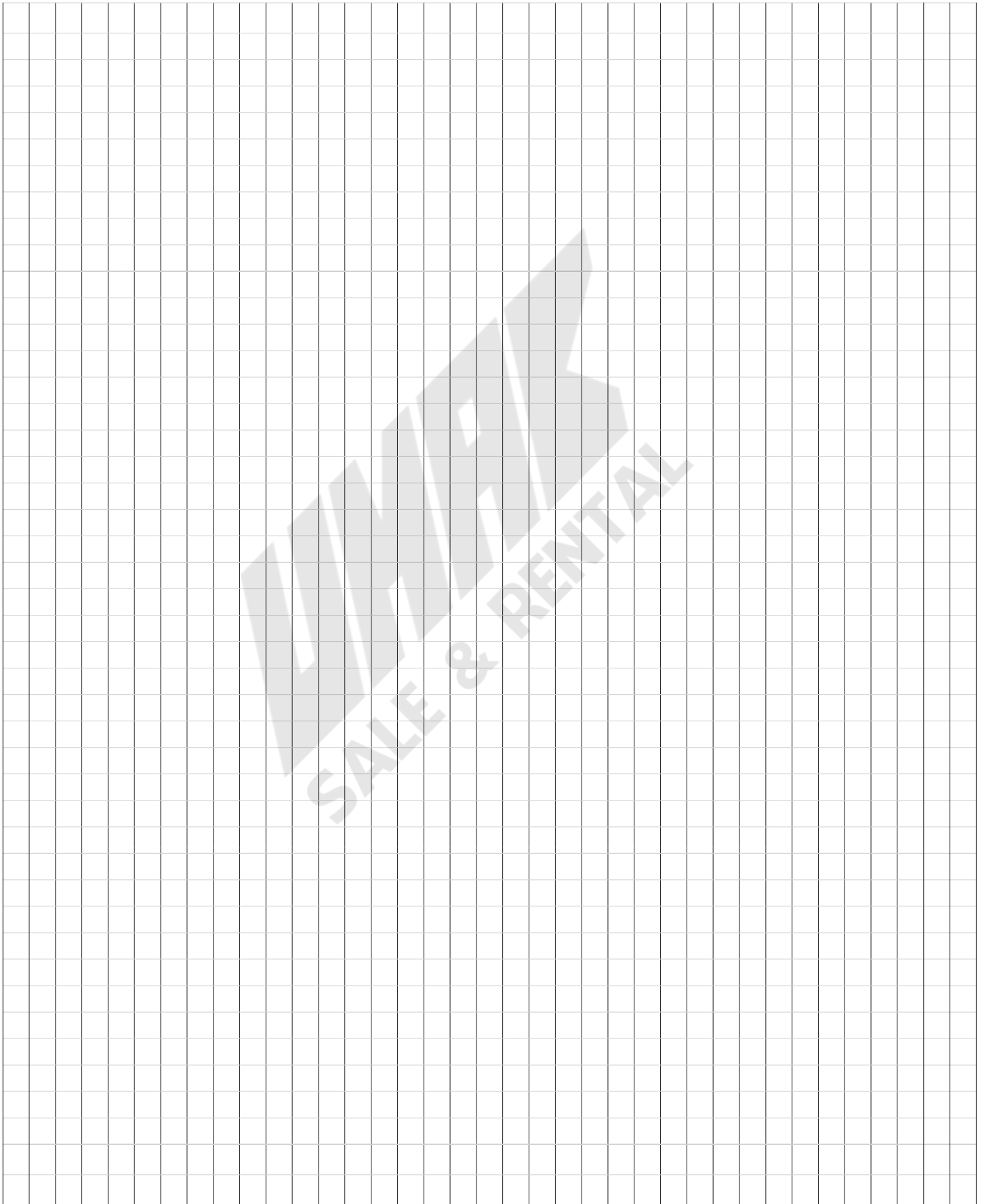
Radius (m)	Fixed jib length in (m)			
	11	20	26	32
8.6	t	t	t	t
15	10.7	6.0		
18	8.8	5.8	4.1	
22	7.9	5.4	4.0	2.8
26	7.1	4.9	3.9	2.7
30	6.4	4.6	3.6	2.6
34	5.2	4.2	3.4	2.5
38	4.2	3.9	3.2	2.4
40	3.7	3.8	3.1	2.4
42	3.3	3.6	3.0	2.4
44	3.0	3.4	2.9	2.3
46	2.6	3.1	2.8	2.3
48	2.3	2.7	2.8	2.2
50	2.0	2.4	2.7	2.2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

Main boom 56 m

Radius (m)	Fixed jib length in (m)			
	11	14	20	23
8.7	t	t	t	t
11	9.1	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



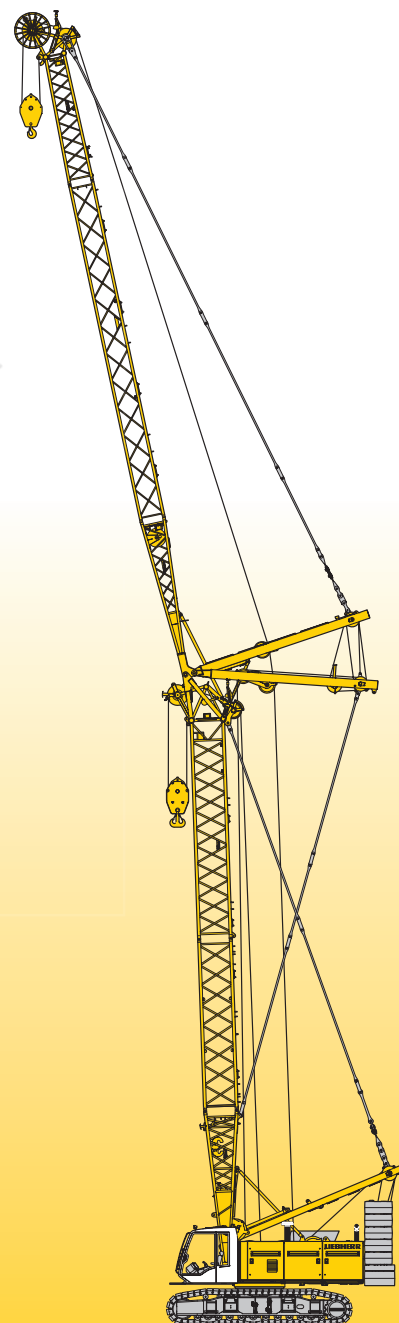
WMAR
SALE & RENTAL

Technische Daten Raupenkran

LR 1100

Litronic®

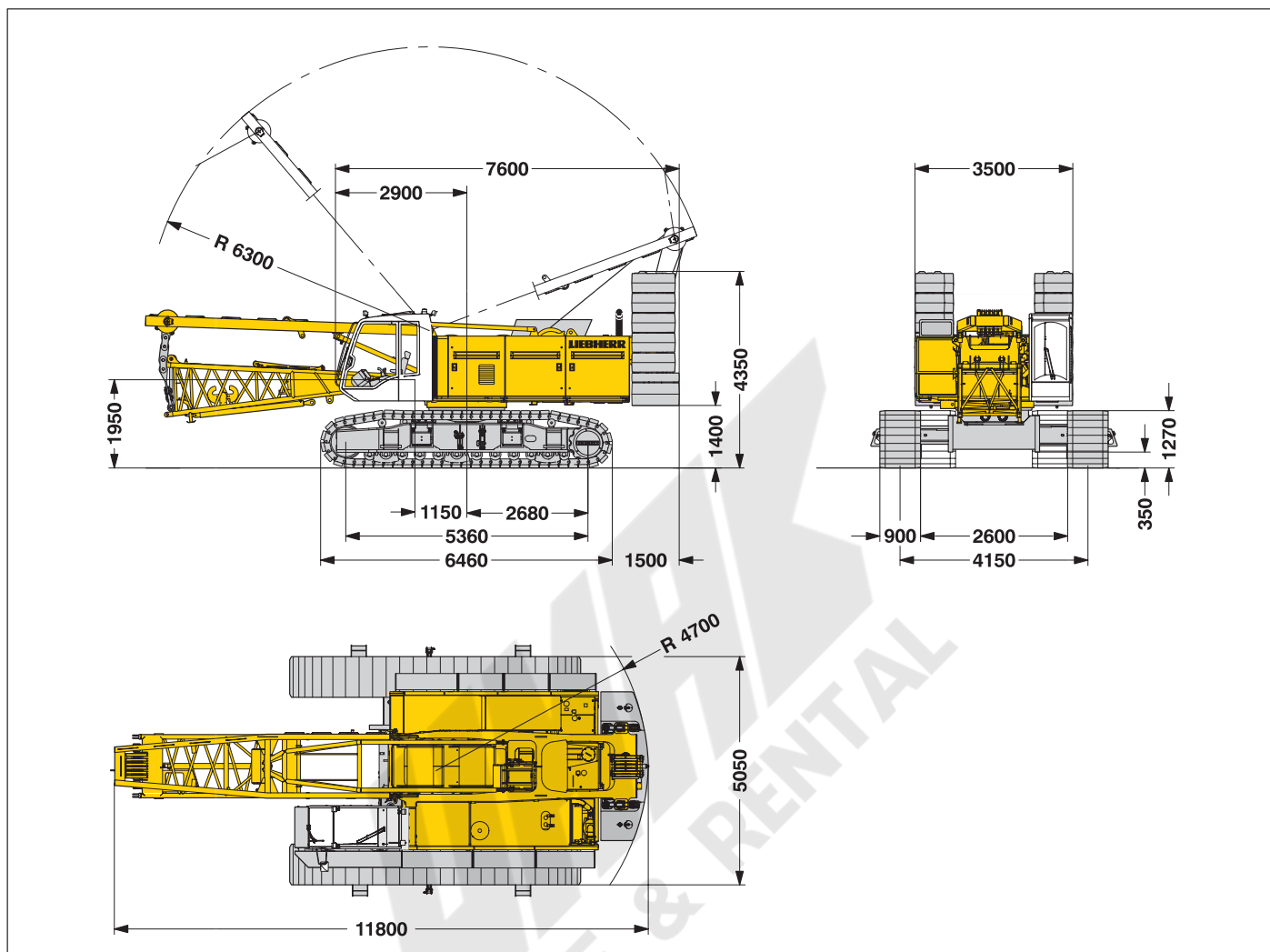
UMAX
SALE & RENTAL



LIEBHERR

Abmessungen

Grundgerät mit Unterwagen



Dienstgewicht

Die Dienstgewichte beinhalten das Grundgerät mit Plattenlaufwerk, 2 Hauptwinden 120 kN und 14 m Hauptausleger, bestehend aus Aufrichtmast, Anlenkstück (5.5 m), Auslegerkopf (8.5 m), 32.3 t Oberwagenballast, 15 t Zentralballast und einer 100 t Hakenflasche.

Gesamtgewicht _____ ca. 109.8 t

Bodenbelastung

Bodenbelastung _____ 1.14 kg/cm²

Arbeitsausrüstung

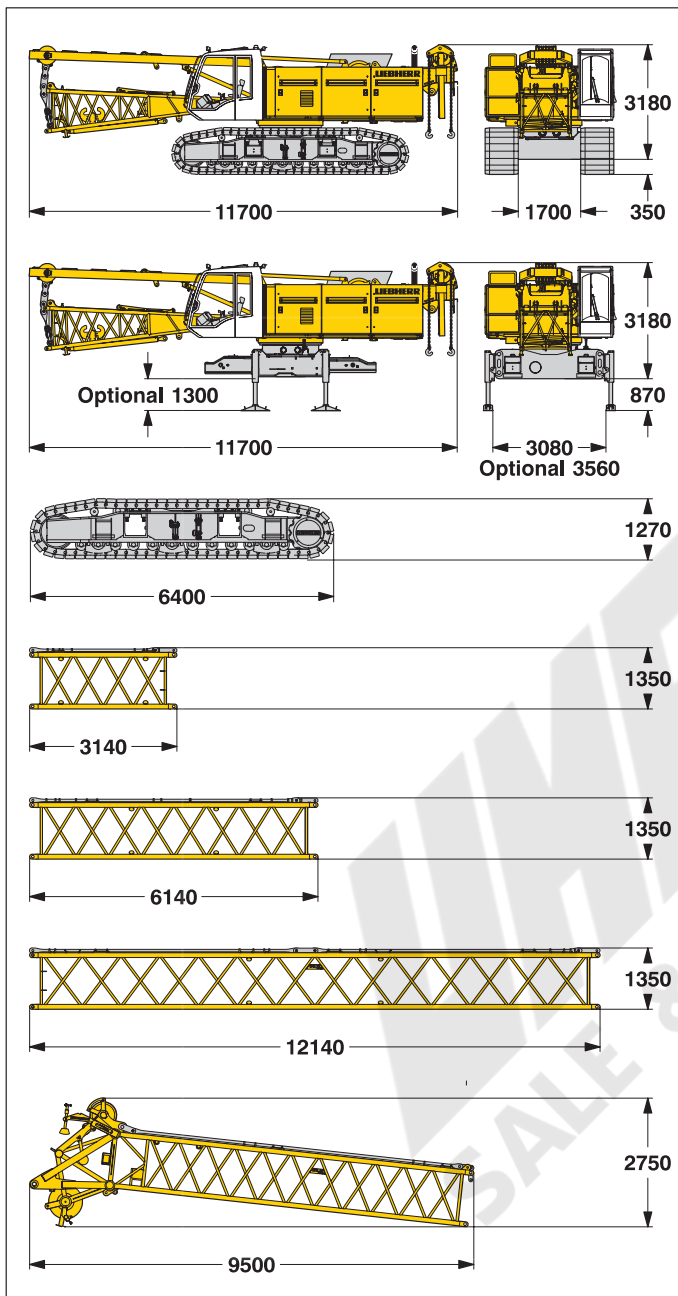
Hauptausleger (No. 1311.xx) max. Länge _____ 68 m
 Leichtausleger (No. 1311.xx und 1008.xx) _____ 83 m
 Verstellbarer Nadelausleger (No. 1008.xx) max. Länge _____ 62 m
 Max. Auslegerkombination _____ Hauptausleger 38 m
 Verstellbarer Nadelausleger 62 m
 Feststehender Nadelausleger (No. 0806.xx) _____ 11 m – 32 m
 Spitzenausleger 24 t (optional 36 t)

Anmerkungen

1. Traglasten für Einsatz als Montagekran (entspricht Kraneinstufung nach F.E.M. 1.001, Krangruppe A1).
2. Die Maschine steht auf tragfähigem, waagrechtem Untergrund.
3. Das Gewicht des Lastaufnahmemittels (Hakenflasche, Hubseile, Schäkel usw.) ist von der Traglast abzuziehen.
4. Zusatzlasten am Ausleger (wie z.B. Podeste) sind von den Traglasten abzuziehen.
5. Die maximal zulässige Windgeschwindigkeit entnehmen Sie bitte dem Traglasttabellenbuch.
6. Die Ausladungen sind von Mitte Drehkranz und unter Last angegeben.
7. Die Traglasten sind in Tonnen angegeben und rundum schwenkbar.
8. Desweiteren sind für die Berechnung der Standsicherheit die DIN 15019 / Teil 2 / Tab. 1 und ISO 4305 Tab. 1 + 2, als auch die Kippwinkelmethode 4° zugrunde gelegt.
9. Für die Stahltragwerke gilt F.E.M. 1.001 – 1998 (prEN 13001 / T2 / 1997).

Transportmaße und Gewichte

Grundgerät und Hauptausleger (No. 1311.xx)



*) Inklusive Haltestangen

Grundgerät

mit HD-Unterwagen, Anlenkstück (No. 1311.22), Aufrichtmast, 2x 120 kN Kranwinden inklusive Beseilung (260 m), ohne Grundballast

Breite	mm	3500
Gewicht	kg	57150

Grundgerät

mit Anlenkstück (No. 1311.22), Aufrichtmast, 2x 120 kN Kranwinden inklusive Beseilung (260 m), ohne Grundballast und Laufwerke

Breite	mm	3500
Gewicht	kg	36750

Laufwerk

2x

Flachbodenplatten	mm	900
Breite	mm	915
Gewicht	kg	10200

Zwischenstück (No. 1311.22)

3 m

Breite	mm	1400
Gewicht*	kg	590

Zwischenstück (No. 1311.22)

6 m

Breite	mm	1400
Gewicht*	kg	880

Zwischenstück (No. 1311.21)

12 m

Breite	mm	1400
Gewicht*	kg	1320

Auslegerkopf (No. 1311.21)

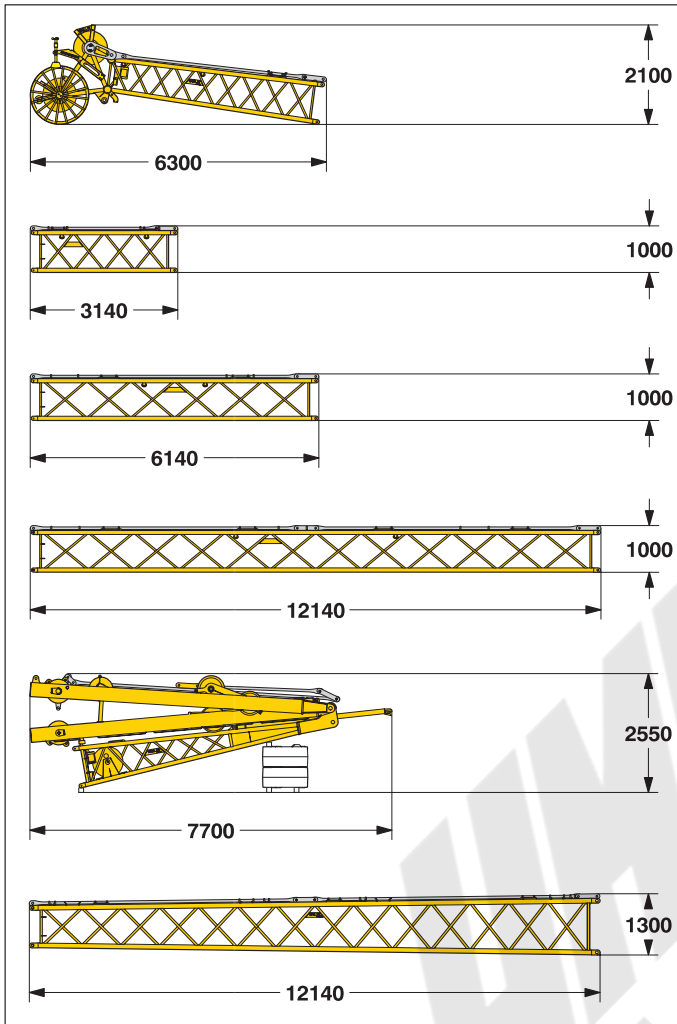
Breite	mm	1650
Gewicht*	kg	2300

Transportalternative Hauptausleger

Länge	mm	12140
Gewicht*	kg	5280

Transportmaße und Gewichte

Verstellbarer Nadelausleger (No. 1008.xx)



Nadelkopf (No. 1008.17)

Breite	mm	1100
Gewicht*	kg	1020

Zwischenstück (No. 1008.17) **3 m**

Breite	mm	1100
Gewicht*	kg	300

Zwischenstück (No. 1008.17) **6 m**

Breite	mm	1100
Gewicht*	kg	455

Zwischenstück (No. 1008.17) **12 m**

Breite	mm	1100
Gewicht*	kg	850

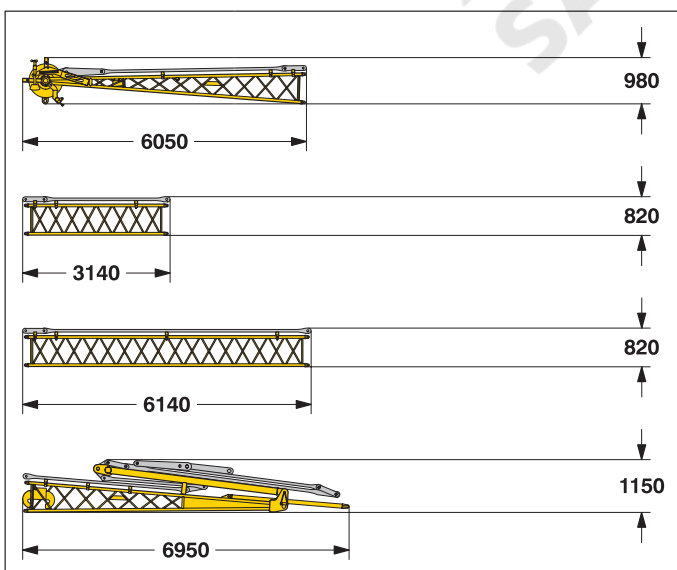
Anlenkstück mit A-Böcken (No. 1008.20)

Breite	mm	1650
Gewicht*	kg	3650

Reduzierstück (No. 1311/1008.21) **12 m**

Breite	mm	1400
Gewicht*	kg	960

Feststehender Nadelausleger (No. 0806.xx)



Nadelkopf (No. 0806.16)

Breite	mm	950
Gewicht*	kg	460

Zwischenstück (No. 0806.15) **3 m**

Breite	mm	950
Gewicht*	kg	145

Zwischenstück (No. 0806.15) **6 m**

Breite	mm	950
Gewicht*	kg	250

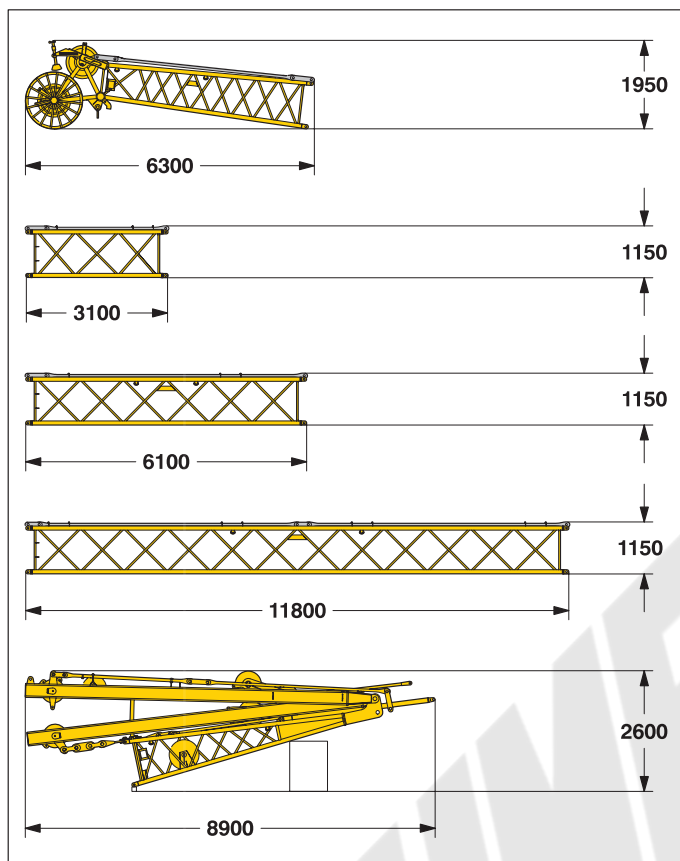
Anlenkstück mit A-Bock (No. 0806.16)

Breite	mm	2200
Gewicht*	kg	1950

*) Inklusive Haltestangen

Transportmaße und Gewichte

Verstellbarer Nadelausleger (No. 1309.xx)



*) Inklusive Haltestangen

Nadelkopf (No. 1309.22)

Breite	mm	1390
Gewicht*	kg	1600

Zwischenstück (No. 1309.20) **3 m**

Breite	mm	1390
Gewicht*	kg	420

Zwischenstück (No. 1309.20) **6 m**

Breite	mm	1390
Gewicht*	kg	520

Zwischenstück (No. 1309.20) **11.7 m**

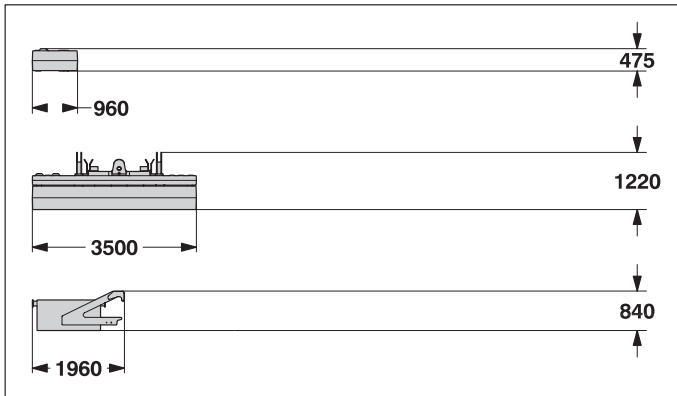
Breite	mm	1390
Gewicht*	kg	960

Anlenkstück mit A-Böcken (No. 1309.22)

Breite	mm	1700
Gewicht*	kg	4450

Transportmaße und Gewichte

Ballaste



Ballastplatte **10x**

Breite _____ mm _____ 850
Gewicht _____ kg _____ 1500

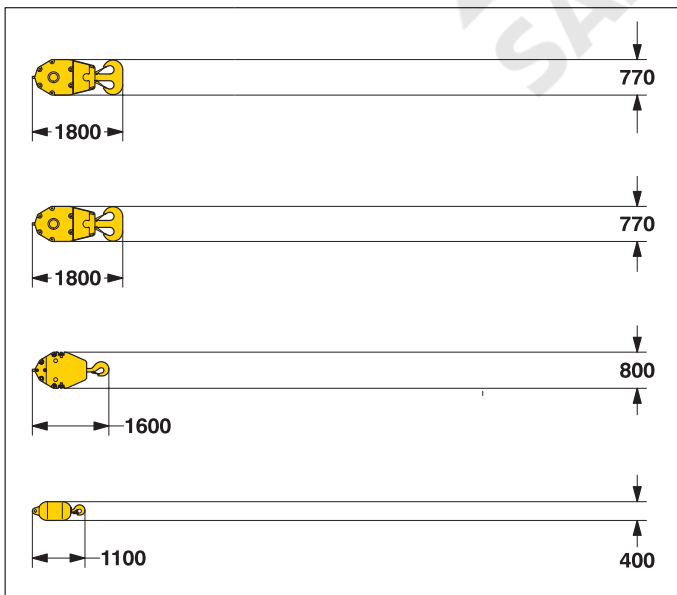
Ballastplatte **1x**

Breite _____ mm _____ 1050
Gewicht _____ kg _____ 17300

Zentralballastplatte **2x**

Breite _____ mm _____ 1640
Gewicht _____ kg _____ 7500

Haken



100 t Hakenflasche - 5 Rollen

Breite _____ mm _____ 540 — 640 — 770
Gewicht _____ kg _____ 1300 — 1800 — 2300

80 t Hakenflasche - 3 Rollen

Breite _____ mm _____ 360 — 460 — 560
Gewicht _____ kg _____ 1000 — 1500 — 2000

40 t Hakenflasche - 1 Rolle

Breite _____ mm _____ 300 — 400 — 500
Gewicht _____ kg _____ 700 — 1100 — 1500

12.5 t Einzelhaken

Breite _____ mm _____ 400
Gewicht _____ kg _____ 600

Technische Beschreibung



Motor

Leistung nach ISO 9249, 270 kW (367 PS) bei 2000 U/min
Modell _____ Liebherr D 936 L A6
Kraftstofftank _____ 800 l Tankinhalt mit kontinuierlicher
Niveauanzeige und Reserveangabe
Der Dieselmotor entspricht der Abgaszertifizierung für mobile Maschinen
nach EPA/CARB Tier 3 und 97/68 EG Stufe III.



Hydraulikanlage

Eine doppelte Verstellpumpe versorgt die Hydraulikanlage im offenen
Kreislauf und ermöglicht das gleichzeitige Fahren aller Bewegungen.
Um hydraulische Druckspitzen abzufangen wurde eine automatisch
arbeitende Druckabschneidung integriert.
Alle Filter werden elektronisch überwacht.
Die Verwendung synthetischer, umweltfreundlicher Öle ist möglich.
Arbeitsdruck _____ max. 350 bar
Hydrauliktankinhalt _____ 650 l



Nadelausleger-Verstellwinde

Seilzug _____ max. 105 kN
Seildurchmesser _____ 20 mm
Verstellung Nadelausleger von 15° bis 78° in 48 sec.



Hauptausleger-Verstellwinde

Seilzug _____ max. 126 kN
Seildurchmesser _____ 20 mm
Verstellung Hauptausleger von 15° bis 86° in 44 sec.



Schwenkwerk

Rollendrehkranz mit außenliegender Verzahnung, Schwenkwerk mit
Axialkolbenmotor, hydraulisch löfbbare Lamellenbremse, Planeten-
getriebe und Drehwerksritzel.
Das Schwenkwerk kann sowohl mit Geschwindigkeitsvorwahl wie auch im
Freilauf betrieben werden.
Bei der Geschwindigkeitsvorwahl schließt eine Lamellenbremse
(Stillstandsbremse), wenn keine Drehbewegung vorhanden ist.
Drehwerksgeschwindigkeit 0 – 1.8 U/min stufenlos regelbar.



Windwerke

Seilzug in der 1. Lage _____ max. 175 kN
Seilzug in der 7. Lage _____ 120 kN
Seildurchmesser _____ 26 mm
Seiltrommeldurchmesser in der 1. Lage _____ 580 mm
Seilgeschwindigkeit m/min _____ 0 – 136
Seilkapazität in 7 Lagen _____ 489 m
Die Winden zeichnen sich durch ihre kompakte, montagefreundliche
Bauweise aus.

In Öl laufende, innenliegende, wartungsarme Planetengetriebe.
Lastabstützung über Hydraulikanlage, zusätzliche Sicherheit durch
federbelastete Lamellenbremse (Stillstandsbremse).

Für die Hauptwinden werden hochdruckgeregelte Verstellölmotoren
verwendet. Diese erlauben schon im Teillastbereich die volle Ausnutzung der
installierten Motorleistung durch Geschwindigkeitsanpassung an den
jeweiligen Seilzug.

Auf Wunsch – Winde mit Freifalleinrichtung:

Bei der Freifalleinrichtung wird sowohl die Kupplungs- als auch die
Bremsfunktion über die Arbeitsbremse realisiert. Diese Bremse ist eine
verschleißarme, wartungsfreie Lamellenbremse in kompakter Bauweise.



Fahrwerk

Fahrwerksantrieb mit Axialkolbenmotor, hydraulisch löfbbare federbelastete
Lamellenbremse, Laufwerk mit hydraulischer Kettenspannung.
Flachbodenplatten _____ 900 mm
Fahrgeschwindigkeit _____ 0 – 1.35 km/h



Steuerung

Die von Liebherr entwickelte und im eigenen Haus gefertigte Steuerung ist für
den harten Baustelleneinsatz und extreme Umweltbedingungen wie große
Temperaturschwankungen, starke Vibrationen und elektromagnetische
Interferenzen konzipiert.

Alle Betriebsdaten des Gerätes werden auf einem kontraststarken Bildschirm
angezeigt.

Standard-Betriebsinformationen erscheinen in Form von Symbolen,
Fehleranzeigen im Klartext auf dem Bildschirm (mehr als 15 Sprachen
verfügbar).

Eine elektrohydraulische, stufenlose Proportionalsteuerung ermöglicht das
Fahren aller Bewegungen gleichzeitig.

Die Bedienung erfolgt über 2 Einhebel-Kreuzschaltungen für "Winde I und
Einziehwerk" und für "Winde II und Drehwerk".

Auf Wunsch:

Doppel-T-Hebel für den gleichzeitigen Betrieb von Winde und verstellbarem
Nadelausleger.

Das Fahrwerk wird über zwei Fußpedale gesteuert und kann über zwei Hebel
in eine Hand-Fahrwerks-Steuerung umgewandelt werden.

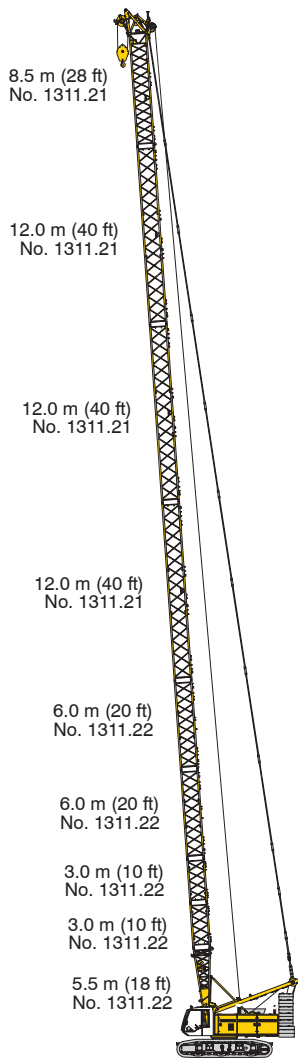
Fernsteuerung für die Heckballastmontage.



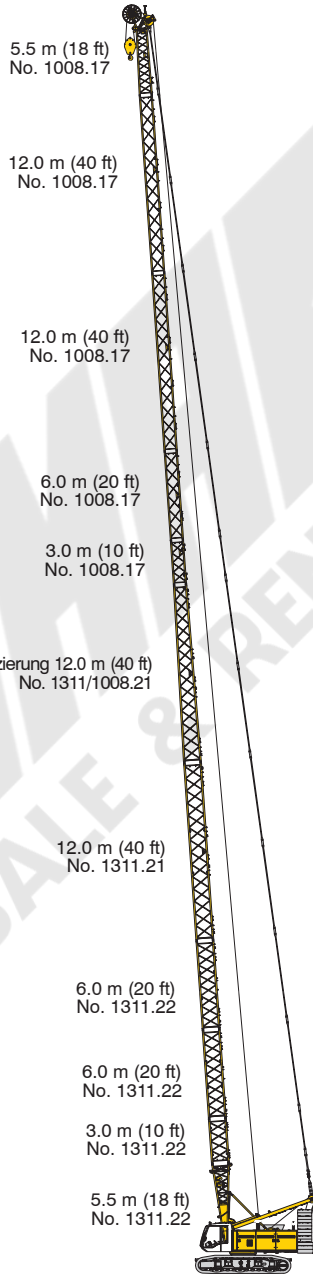
Schallemission

Die Schallemissionen entsprechen der Richtlinie 2000/14/EG über
Geräuschemissionen von zur Verwendung im Freien vorgesehenen Geräten
und Maschinen.

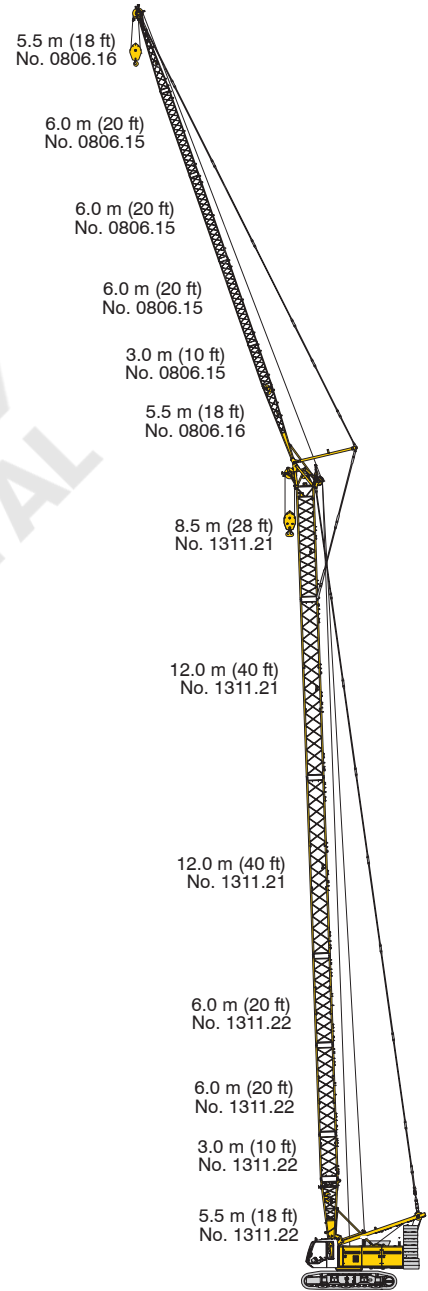
Auslegerkombinationen



Hauptausleger No. 1311.xx — 68 m

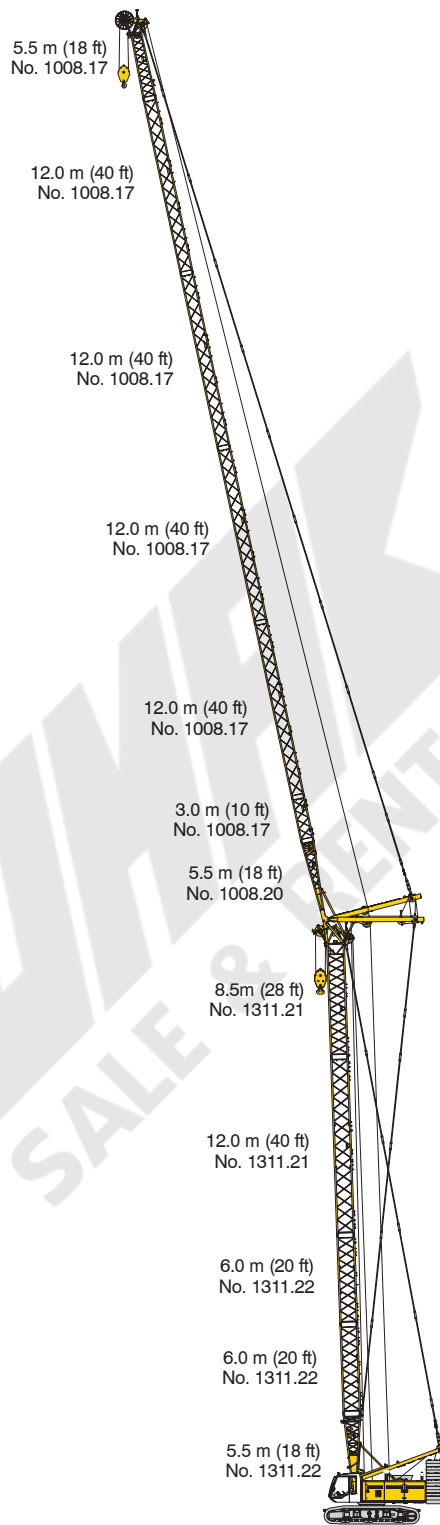


Max. Kombination — 83.0 m
 Hauptausleger No. 1311.xx — 44.5 m
 Reduzierung No. 1311/1008.xx — 12.0 m
 Verstellbarer
 Nadelausleger No. 1008.xx — 26.5 m

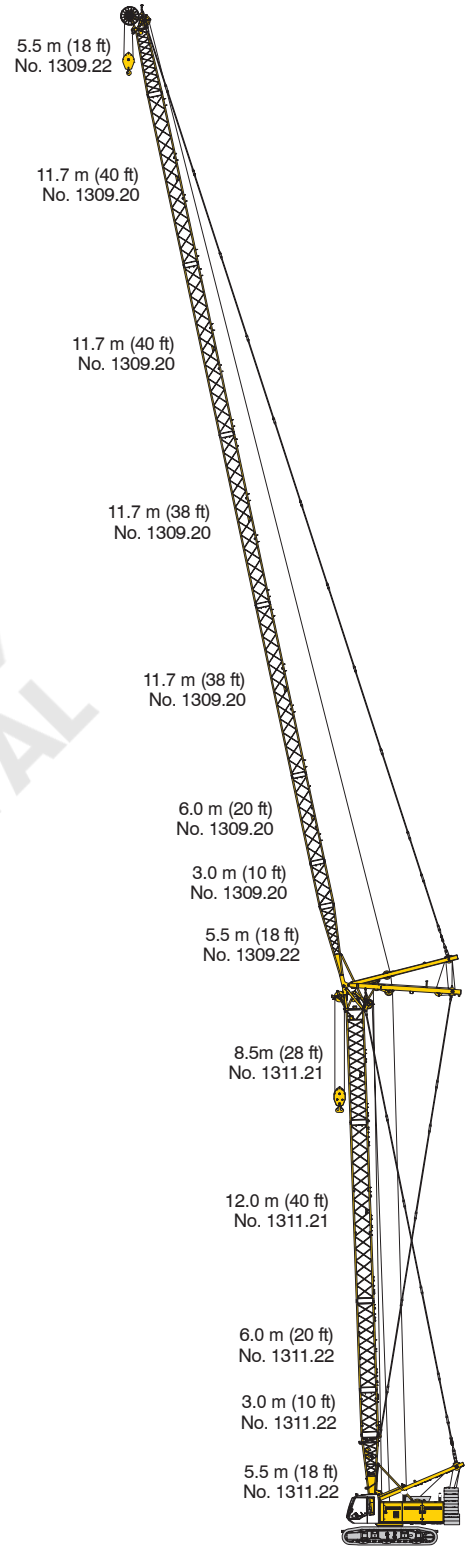


Max. Kombination — 85.0 m
 Hauptausleger No. 1311.xx — 53.0 m
 Feststehender
 Nadelausleger No. 0806.xx — 32.0 m

Auslegerkombinationen



Max. Kombination	100.0 m
Hauptausleger No. 1311.xx	38.0 m
Verstellbarer	
Nadelausleger No. 1008.xx	62.0 m
Hauptausleger No. 1311.xx	41.0 m
Verstellbarer	
Nadelausleger No. 1008.xx	44.0 m

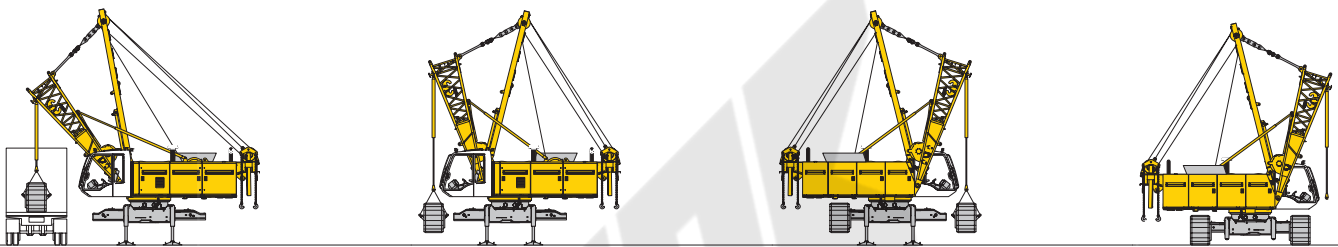


Max. Kombination	101.8 m
Hauptausleger No. 1311.xx	35.0 m
Verstellbarer	
Nadelausleger No. 1309.xx	66.8 m
Hauptausleger No. 1311.xx	38.0 m
Verstellbarer	
Nadelausleger No. 1309.xx	46.1 m

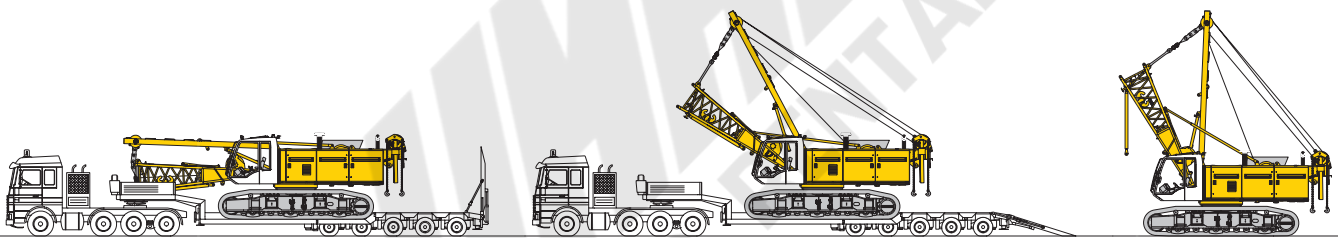
Selbstmontage-System



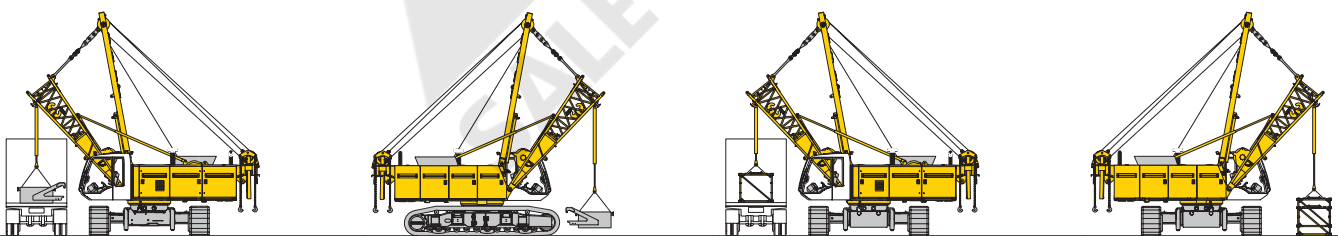
Entladung des Grundgerätes (Option)



Entladung und Anbau der Laufwerke

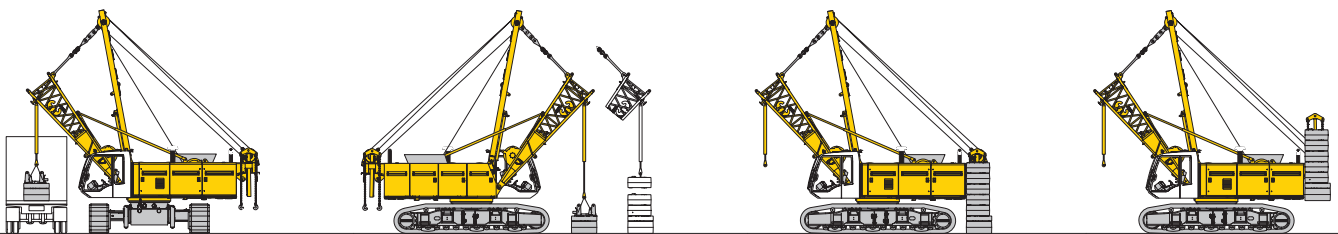


Entladung des Grundgerätes (Standard)



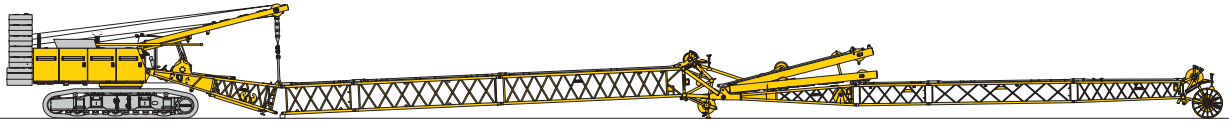
Entladung und Anbau des Zentralballastes

Entladung und Zusammenbau des Auslegers

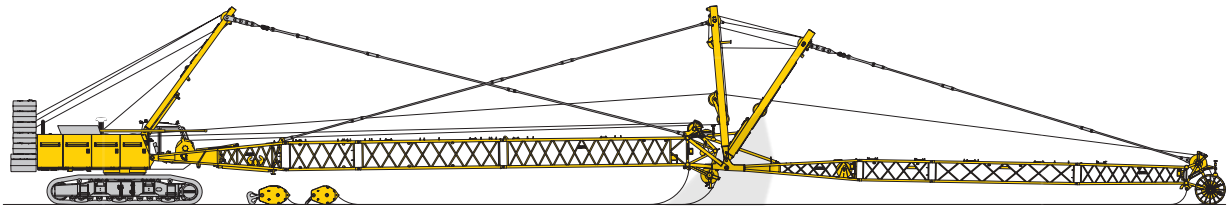


Entladung, Zusammen- und Anbau des Gegengewichtes

Ausleger aufrichten - Kran in Arbeitsposition



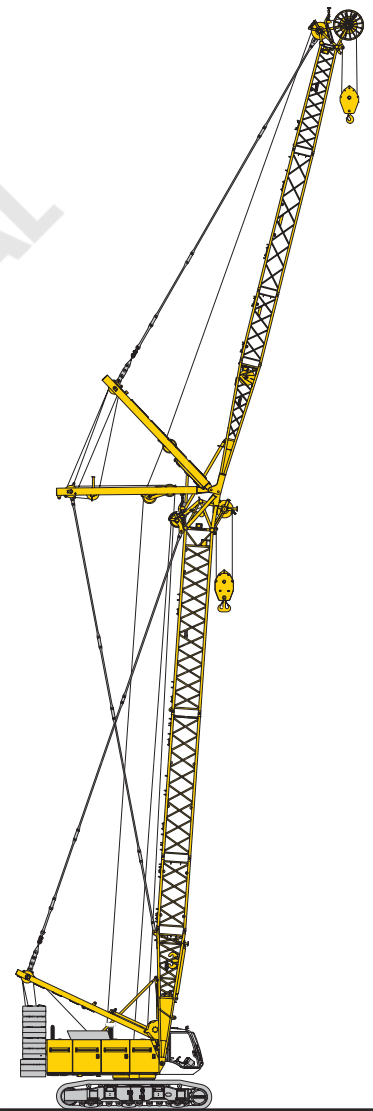
Anbau des Auslegers



Einziehen der Hub- und Nadelseile



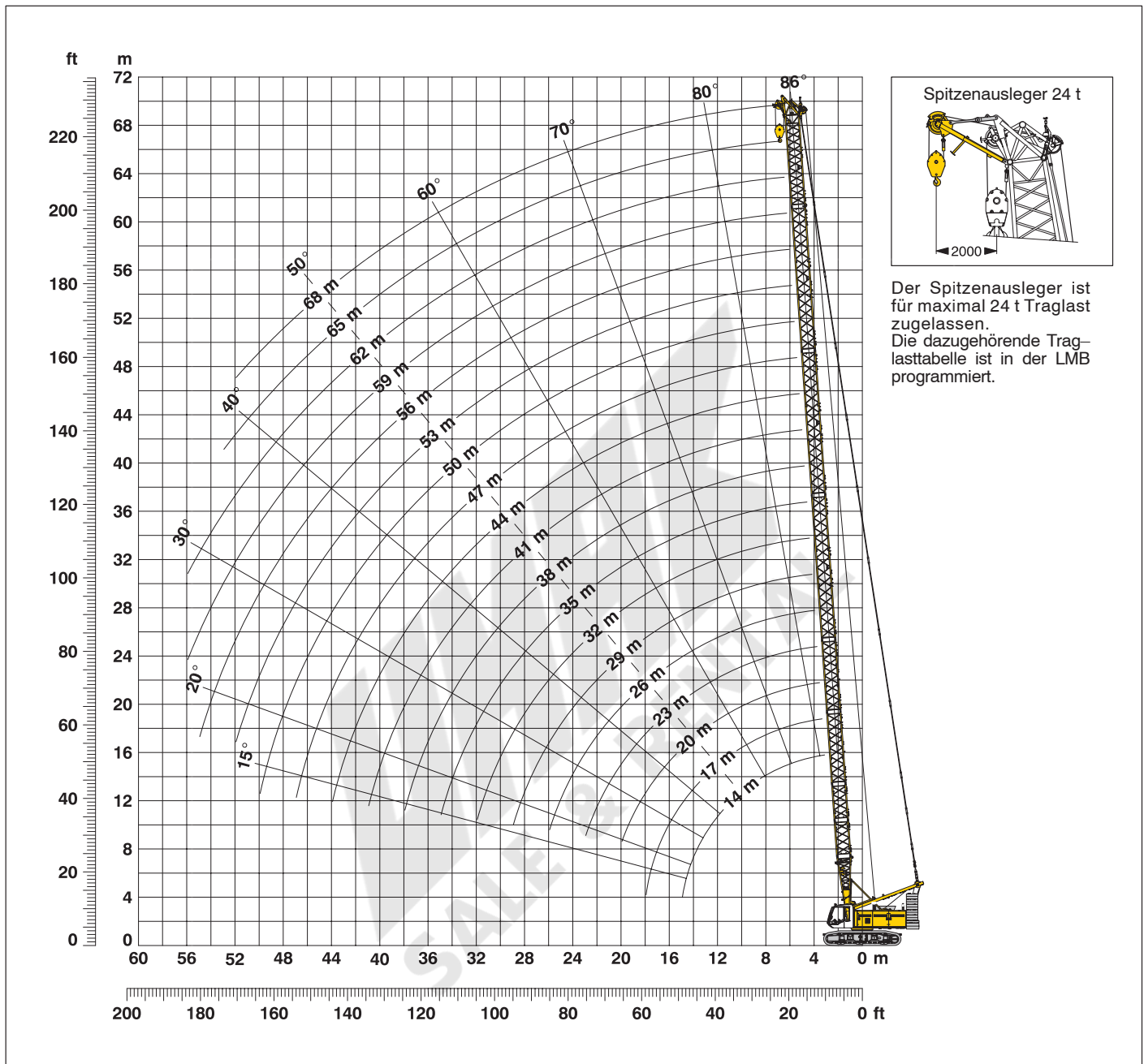
Haupt- und Nadelausleger anheben



Kran in Arbeitsposition

Hauptausleger (No. 1311.xx) 86° - 15°

32.3 t Ballast und 15 t Zentralballast



Hauptausleger-Zusammenbau (Tabelle 1 - No. 1311.xx)

Hauptausleger-Zusammenbau für Auslegerlängen von 14 m bis 68 m

	Länge	Anzahl der Auslegerstücke																		
Anlenkstück	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	3.0 m		1		1		1		1		1		1		1		1		1	
Z-Stück	6.0 m			1	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	2
Z-Stück	12.0 m							1	1	1	1	2	2	2	2	3	3	3	3	3
Kopfstück	8.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Auslegerlänge (m)		14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68

Traglasten – Hauptausleger (No. 1311.xx)

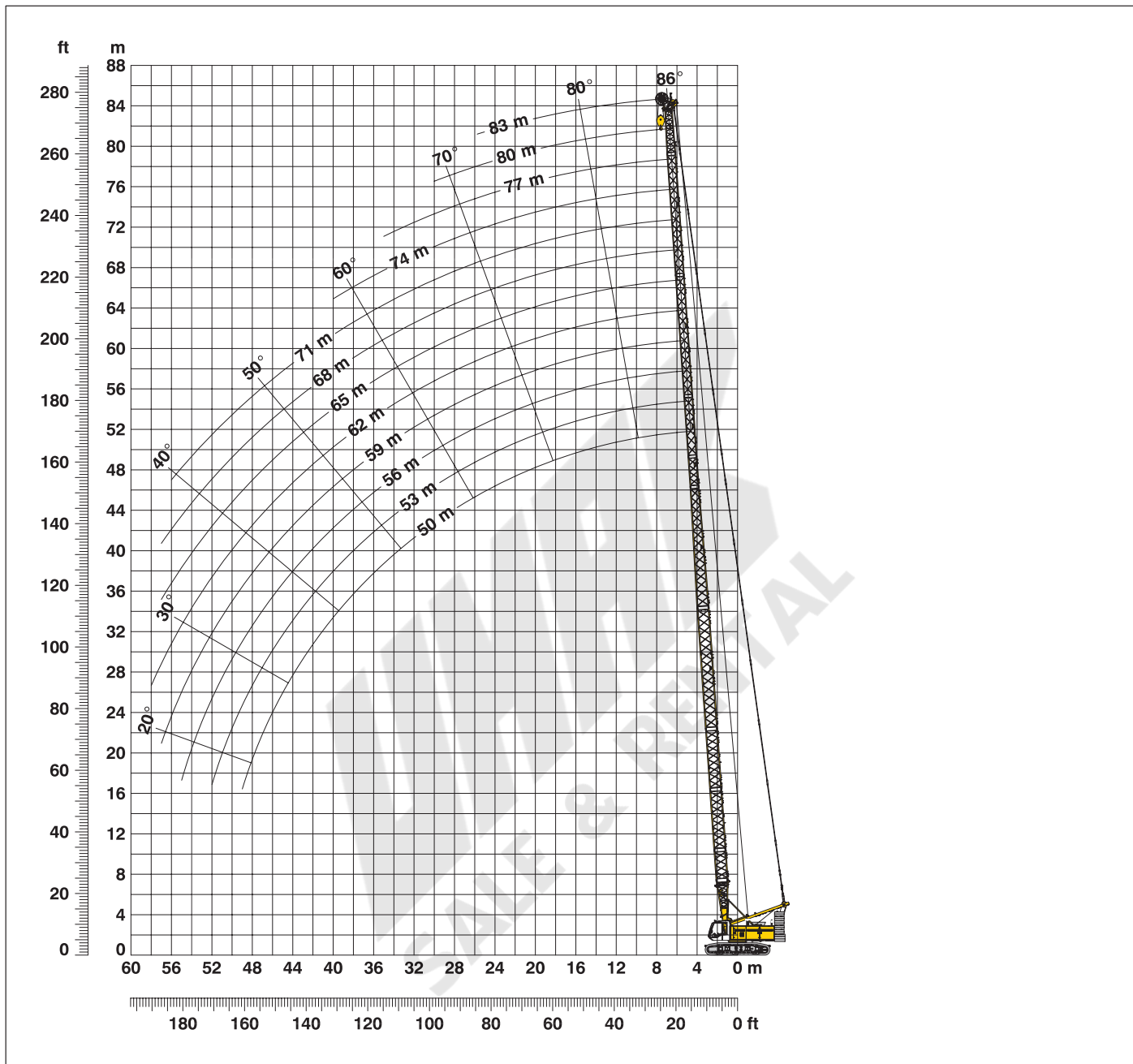
Traglasten in t bei Auslegerlängen von 14 m bis 68 m – mit 120 kN Winden
32.3 t Ballast und 15 t Zentralballast

Radius	Auslegerlänge (m)										Radius
	14	20	26	32	38	44	50	56	62	68	
(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

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Leichtausleger (No. 1311 / 1008.xx) **50 m – 83 m**

Arbeitsbereich **86° - 15°**



Leichtauslegerzusammenbau mit 32.5 m Hauptausleger (No. 1311.xx / No. 1008.xx)

Auslegerzusammenbau für Leichtauslegerlängen von 50 m bis 83 m

	Länge	Anzahl der Haupt- und Nadelauslegerstücke												
		50	53	56	59	62	65	68	71	74	77	80	83	
Anlenkstück	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	3.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	6.0 m	2	2	2	2	2	2	2	2	2	2	2	2	2
Z-Stück	12.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Reduzierstück	12.0 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m		1		1		1		1		1		1	
Nadel-Z-Stück	6.0 m			1	1			1	1			1	1	
Nadel-Z-Stück	12 m					1	1	1	1	2	2	2	2	
Nadelkopfstück	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1
Max. Leichtauslegerlänge (m)		50	53	56	59	62	65	68	71	74	77	80	83	

Traglasten - Leichtausleger (No. 1311 / 1008.xx)

Hauptausleger 32.5 m

Traglasten in t 32.5 t Ballast und 15 t Zentralballast				
Radius (m)	Leichtauslegerlänge (m)			
	50	62	74	83
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		

Hauptausleger 44.5 m

Traglasten in t 32.5 t Ballast und 15 t Zentralballast				
Radius (m)	Leichtauslegerlänge (m)			
	62	68	74	83
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			

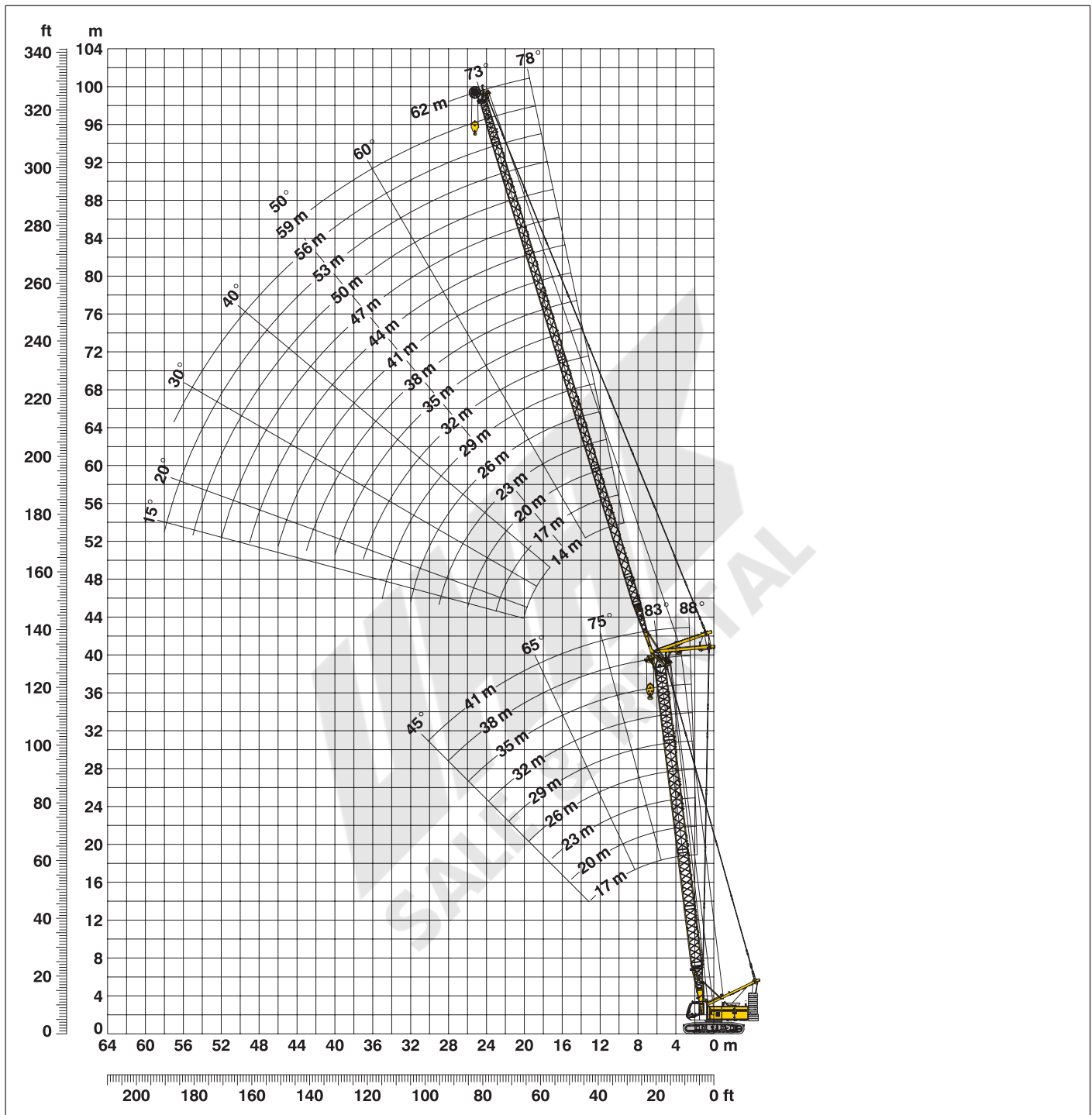
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Leichtauslegerzusammenbau mit 44.5 m Hauptausleger (No. 1311.xx / No. 1008.xx)

Auslegerzusammenbau für Leichtauslegerlängen von 62 m bis 83 m									
	Länge	Anzahl der Haupt- und Nadelauslegerstücke							
		Anlenkstück	5.5 m	1	1	1	1	1	1
Z-Stück	3.0 m	1	1	1	1	1	1	1	1
Z-Stück	6.0 m	2	2	2	2	2	2	2	2
Z-Stück	12.0 m	2	2	2	2	2	2	2	2
Reduzierstück	12.0 m	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m		1		1		1		1
Nadel-Z-Stück	6.0 m			1	1			1	1
Nadel-Z-Stück	12.0 m					1	1	1	1
Nadelkopfstück	5.5 m	1	1	1	1	1	1	1	1
Max. Leichtauslegerlänge (m)		62	65	68	71	74	77	80	83

Verstellbarer Nadelausleger (No. 1008.xx) 78° - 15°

Hauptausleger 88° - 45°



Auslegerzusammenbau für Hauptauslegerlängen von 17 m - 41 m – siehe Tabelle 1, Seite 12

Konfiguration mit verstellbarem Nadelausleger (14 m - 62 m)

Komponente	Länge	Anzahl der Nadelauslegerstücke																
		14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62
Nadelanlenkstück	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m	1		1		1		1		1		1		1		1		1
Nadel-Z-Stück	6.0 m		1	1			1	1		1	1			1	1		2	2
Nadel-Z-Stück	12.0 m				1	1	1	1	2	2	2	2	3	3	3	3	3	3
Nadelkopfstück	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadellänge (m)		14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62

Traglasten - verstellb. Nadelausleger (No. 1008.xx)

Hauptausleger 88°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	62
5.9	t	t	t	t	t	t	t	t
8	47.3	39.8	27.9					
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	

Hauptausleger 23 m

Radius (m)	Nadellänge (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	

Hauptausleger 29 m

Radius (m)	Nadellänge (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	27.4	19.8	15.1					
11	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	

Hauptausleger 35 m

Radius (m)	Nadellänge (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	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		

Hauptausleger 38 m

Radius (m)	Nadellänge (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	18.3	14.2	10.1					
11	17.4	13.5	10.0	8.2				
13	15.6	12.5	9.5	8.0	5.3			
15	14.1	10.2	8.9	7.7	5.2	4.0		
16	13.7	9.7	8.6	7.6	5.1	3.9	3.0	
17	8.3	9.3	8.3	7.3	5.0	3.9	3.0	2.2
20		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		

Hauptausleger 41 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44			
6.8	t	t	t	t	t			
9	19.1	13.0						
10	16.5	12.8	9.0					
12	14.8	10.4	8.8	7.2				
13	14.1	9.9	8.6	7.1	4.9			
14	13.3	9.4	8.4	7.0	4.8			
15	12.7	9.0	8.1	6.9	4.8			
16	12.5	8.5	7.7	6.8	4.8			
17	7.5	8.0	7.5	6.6	4.7			
24		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			

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1008.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1008.xx)

Hauptausleger 83°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	62
8.6	35.8	t	t	t	t	t	t	t
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	

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	62
9.4	30.7	t	t	t	t	t	t	t
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	

Hauptausleger 29 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	62
10.1	26.5	t	t	t	t	t	t	t
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	

Hauptausleger 35 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	62
10.8	22.4	t	t	t	t	t	t	t
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	

Hauptausleger 38 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	62
11.2	19.4	t	t	t	t	t	t	t
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		

Hauptausleger 41 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	62
11.5	17.0	t	t	t	t	t	t	t
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			

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1008.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1008.xx)

Hauptausleger 75°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	62
t	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	

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	14	23	29	35	44	50	56	
t	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	

Hauptausleger 29 m

Radius (m)	Nadellänge (m)						
	14	23	29	35	44	50	56
t	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

Hauptausleger 35 m

Radius (m)	Nadellänge (m)						
	14	23	29	35	44	50	56
t	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

Hauptausleger 38 m

Radius (m)	Nadellänge (m)						
	14	23	29	35	44	50	56
t	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	

Hauptausleger 41 m

Radius (m)	Nadellänge (m)					
	14	23	29	35	44	
t	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	

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1008.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1008.xx)

Hauptausleger 65°

Hauptausleger 17 m

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

Hauptausleger 23 m

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

Hauptausleger 29 m

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

Hauptausleger 35 m

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

Hauptausleger 38 m

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

Hauptausleger 41 m

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

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1008.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1008.xx)

Hauptausleger 45°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)								
	14	23	29	35	44				
t	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				

Hauptausleger 23 m

Radius (m)	Nadellänge (m)								
	14	23	29	35					
t	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					

Hauptausleger 29 m

Radius (m)	Nadellänge (m)						
	14	23					
t	t	t					
34.4	4.0						
36	3.8						
42		2.7					
44		2.5					

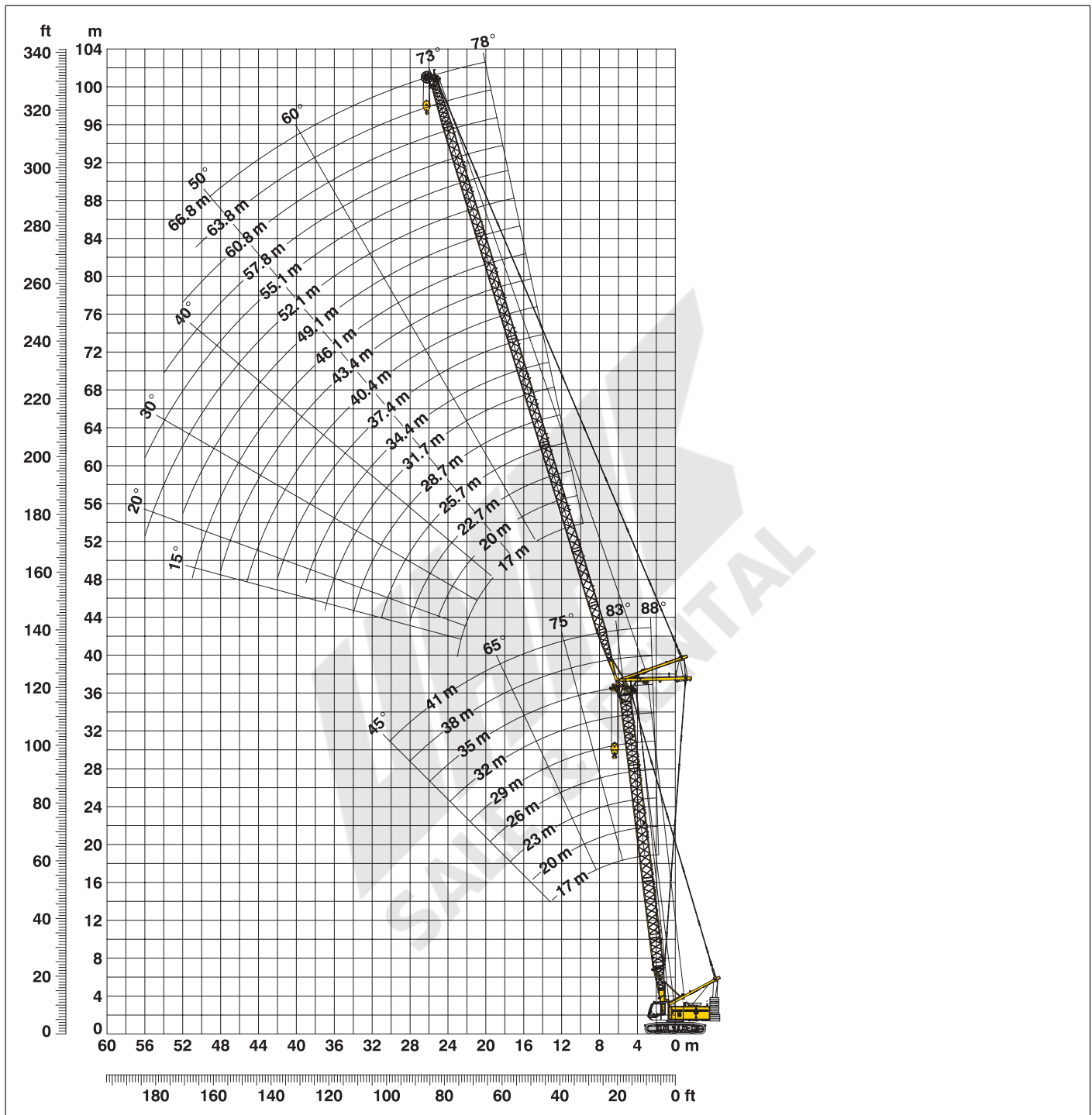
Hauptausleger 35 m

Radius (m)	Nadellänge (m)						
	14	17					
t	t	t					
38.7	2.5						
40	2.4						
42		2.1					

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1008.xx) 32,3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Verstellbarer Nadelausleger (No. 1309.xx) 78° - 15°

Hauptausleger 88° - 45°



Auslegerzusammenbau für Hauptauslegerlängen von 17 m - 41 m – siehe Tabelle 1, Seite 12

Konfiguration mit verstellbarem Nadelausleger (17 m - 66.8 m)

	Länge	Anzahl der Nadelauslegerstücke																
		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
Nadelanlenkstück	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m			1		1			1		1		1		1		1	
Nadel-Z-Stück	6.0 m	1			1	1			1	1			1	1			1	1
Nadel-Z-Stück	11.7 m		1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4
Nadelkopfstück	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadellänge (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

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 88°

Hauptausleger 17 m

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

Hauptausleger 23 m

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

Hauptausleger 29 m

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

Hauptausleger 35 m

Radius (m)	Nadellänge (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							
10	20.3	17.4						
11	19.3	16.7	14.1					
13	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	

Hauptausleger 38 m

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

Hauptausleger 41 m

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

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1309.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellewerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellebuch.

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 83°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
9.5	31.8	t	t	t	t	t	t	t
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	

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
10.2	27.5	t	t	t	t	t	t	t
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	

Hauptausleger 29 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
11	24.0	t	t	t	t	t	t	t
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	

Hauptausleger 35 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
11.7	20.3	t	t	t	t	t	t	t
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		

Hauptausleger 38 m

Radius (m)	Nadellänge (m)					
	17	22.7	28.7	34.4	40.4	46.1
12.1	17.6	t	t	t	t	t
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

Hauptausleger 41 m

Radius (m)	Nadellänge (m)			
	22.7	25.7	28.7	
14.1	12.1	t	t	t
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	

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1309.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 75°

Hauptausleger 17 m

Radius (m)	Nadellänge (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	16.2						
19	16.9	14.4						
22	15.0	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	

Hauptausleger 23 m

Radius (m)	Nadellänge (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	13.2						
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		

Hauptausleger 29 m

Radius (m)	Nadellänge (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		

Hauptausleger 35 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
18.7	t	t	t	t	t	t	t	t
22	11.4	9.4						
24	9.0	8.5	8.0					
26	8.3	7.8	7.3					
28		7.2	6.7	6.3				
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			

Hauptausleger 38 m

Radius (m)	Nadellänge (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	7.4	6.9			
30	7.2	6.8	6.3	5.9		
32		6.3	5.8	5.4	5.0	
34		5.8	5.4	5.0	4.6	4.2
40		5.4	5.0	4.6	4.2	3.9
44			4.1	3.7	3.3	3.0
48				3.2	2.9	2.5
50					2.5	2.1
					2.3	

Hauptausleger 41 m

Radius (m)	Nadellänge (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

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1309.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 65°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	66.8
19.5	t	t	t	t	t	t	t	t
24	13.5	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		

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4	46.1	52.1	57.8	
22	t	t	t	t	t	t	t	
26	10.5	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			

Hauptausleger 29 m

Radius (m)	Nadellänge (m)				
	17	22.7	28.7	34.4	46.1
24.5	t	t	t	t	t
28	8.1	6.6			
30	7.1	6.1			
32	6.5	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	

Hauptausleger 35 m

Radius (m)	Nadellänge (m)				
	17	22.7	28.7	34.4	
27.1	t	t	t	t	
32	6.2	4.8			
34	5.1	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	

Hauptausleger 38 m

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

Hauptausleger 41 m

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

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1309.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1309.xx)

Hauptausleger 45°

Hauptausleger 17 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4				
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				

Hauptausleger 23 m

Radius (m)	Nadellänge (m)							
	17	22.7	28.7	34.4				
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				

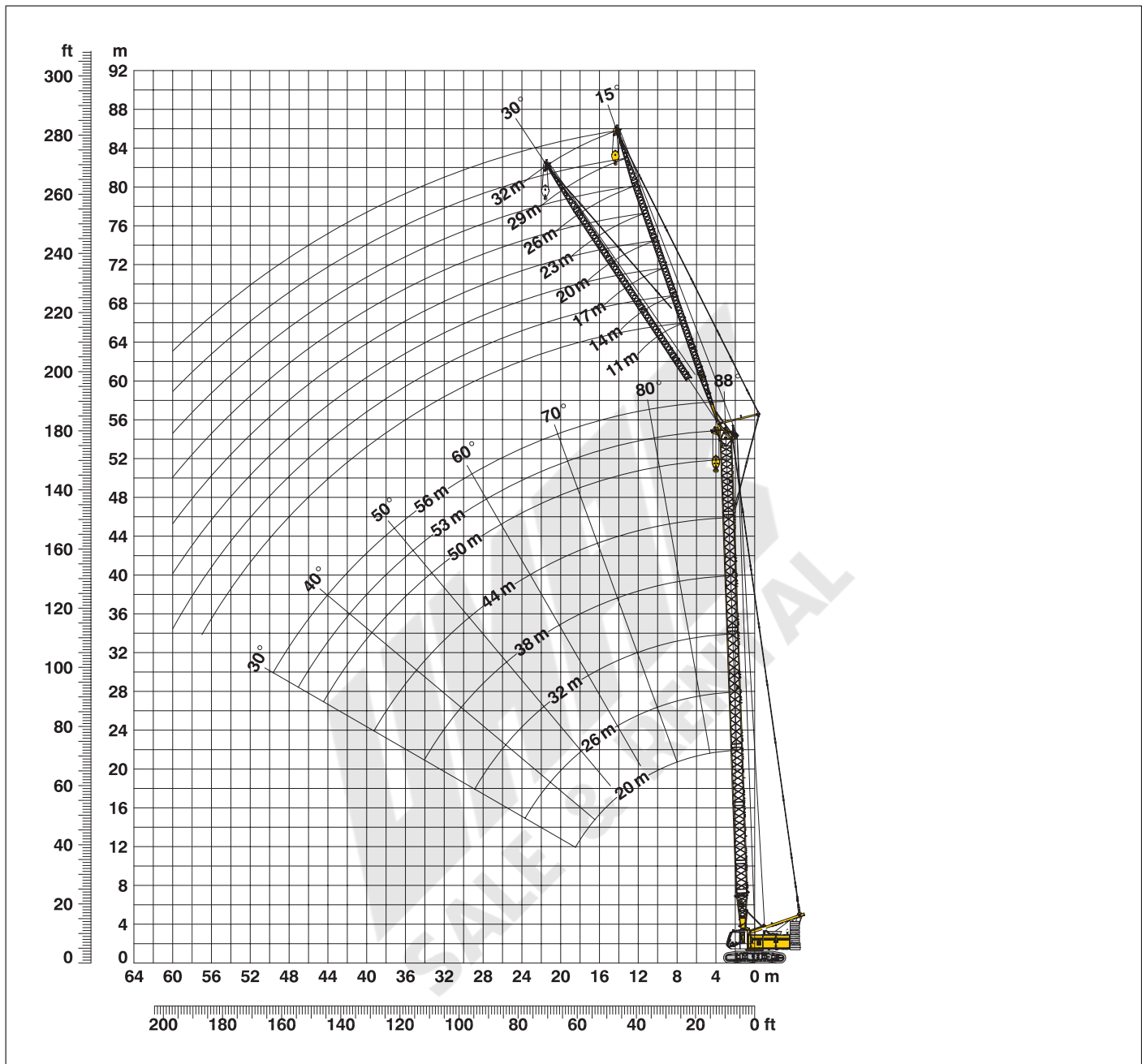
Hauptausleger 29 m

Radius (m)	Nadellänge (m)					
	17	22.7				
t	t					
36.9	3.3					
38	3.2					
42		2.5				
44		2.3				

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1309.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Festst. Nadelausleger (No. 0806.xx) 15° und 30°

Hauptausleger 88° - 30°



Auslegerzusammenbau für Hauptauslegerlängen von 20 m - 56 m – siehe Tabelle 1, Seite 12

Konfiguration mit feststehendem Nadelausleger (11 m - 32 m)

	Länge	Anzahl der Nadelauslegerstücke							
		11	14	17	20	23	26	29	32
Nadelanlenkstück	5.5 m	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m		1		1		1		1
Nadel-Z-Stück	6.0 m			1	1	2	2	3	3
Nadelkopf	5.5 m	1	1	1	1	1	1	1	1
Nadellänge (m)		11	14	17	20	23	26	29	32

Traglasten - festst. Nadelausleger (No. 0806.xx) Offset 15°

Hauptausleger 20 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
4.8	t	t	t	t
9	24.0	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

Hauptausleger 26 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
5.1	t	t	t	t
9	24.0	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

Hauptausleger 32 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
5.3	t	t	t	t
9	22.8	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

Hauptausleger 38 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
5.5	t	t	t	t
9	20.5	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

Hauptausleger 44 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
5.7	t	t	t	t
10	17.4	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

Hauptausleger 50 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
5.9	t	t	t	t
10	14.7	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

Hauptausleger 53 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
6	t	t	t	t
11	13.4	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

Hauptausleger 56 m

Radius (m)	Nadellänge (m)			
	11	14	20	23
6.1	t	t	t	t
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

Traglasten in Tonnen mit feststehendem Nadelausleger (No. 0806.xx) 32.3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - festst. Nadelausleger (No. 0806.xx)

Offset 30°

Hauptausleger 20 m

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

Hauptausleger 26 m

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

Hauptausleger 32 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
7.9	t	t	t	t
14	19.1			
17	16.2	8.3		
22	14.8	7.8	4.9	
26	11.9	7.2	4.6	3.1
28	9.5	6.6	4.3	3.0
30	8.5	6.4	4.2	2.9
32	7.6	6.2	4.1	2.9
34	6.8	5.9	4.0	2.8
36	6.2	5.7	3.9	2.7
38	5.6	5.5	3.8	2.7
40	5.1	5.4	3.8	2.6
44	4.6	5.1	3.7	2.6
50		3.2	3.5	2.4
55			2.7	2.5
60				2.3

Hauptausleger 38 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
8.1	t	t	t	t
14	17.1			
18	14.9	7.8		
22	13.4	7.4	4.7	
26	11.5	6.9	4.5	3.1
30	9.3	6.4	4.3	2.9
34	7.4	5.9	4.1	2.8
36	6.0	5.5	3.9	2.7
38	5.4	5.4	3.8	2.7
42	4.8	5.2	3.7	2.6
44	4.8	5.2	3.7	2.6
46	4.4	4.9	3.7	2.6
48	3.9	4.5	3.6	2.5
50	3.5	4.1	3.5	2.5
55	3.2	3.7	3.5	2.4
60		2.3	2.6	2.4
				2.2

Hauptausleger 44 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
8.3	t	t	t	t
14	14.6			
18	12.7	7.2		
22	11.2	6.9	4.5	
26	10.1	6.3	4.3	3.0
30	8.8	5.9	4.1	2.9
34	7.1	5.5	3.9	2.8
36	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

Hauptausleger 50 m

Radius (m)	Nadellänge (m)			
	11	20	26	32
8.5	t	t	t	t
14	12.1			
18	10.6	6.4		
22	9.4	6.1	4.3	
26	8.4	5.6	4.1	2.9
30	7.4	5.2	3.9	2.8
34	6.6	4.8	3.7	2.7
36	5.4	4.4	3.5	2.6
38	4.4	4.0	3.3	2.5
40	4.4	4.0	3.3	2.5
42	3.9	3.9	3.2	2.4
44	3.5	3.7	3.1	2.4
46	3.1	3.5	3.0	2.3
48	2.8	3.3	2.9	2.3
50	2.8	2.9	2.8	2.3
55	2.1	2.6	2.7	2.2
			2.2	2.1

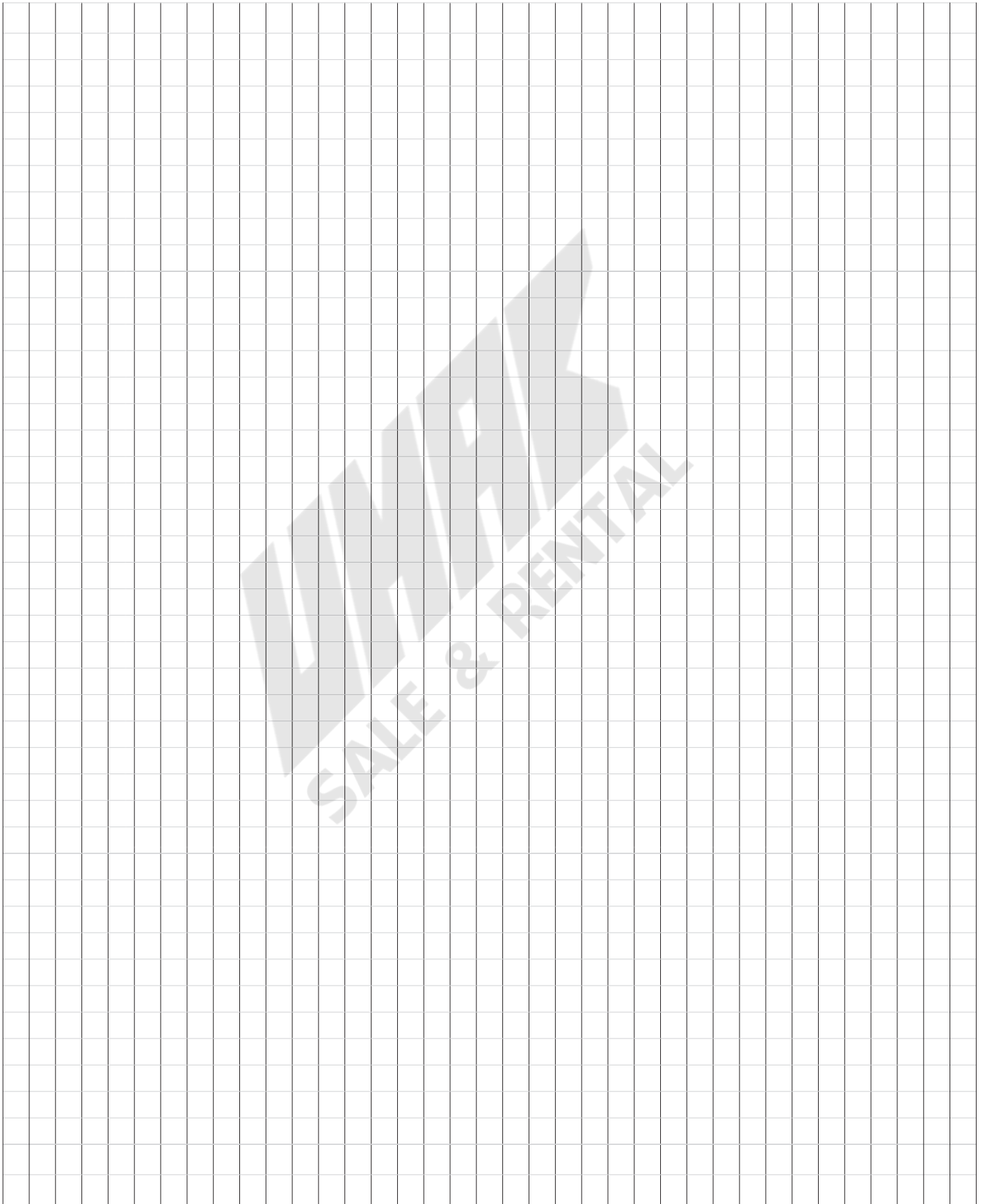
Hauptausleger 53 m

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

Hauptausleger 56 m

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

Traglasten in Tonnen mit feststehendem Nadelausleger (No. 0806.xx) 32,3 t Ballast + 15 t Zentralballast. Oben angeführte Traglasttabellenwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.



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