

SELECT CRAWLER CRANE

SPECIFICATION SHEETS



Crawler Crane

LR 1250.1

EN LR 1004.03.07/08



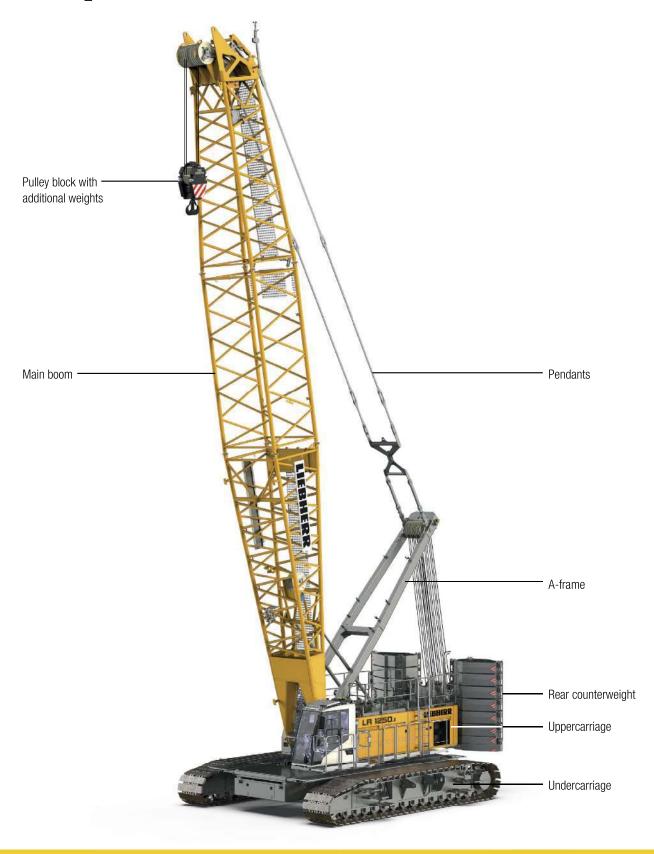
LIEBHERR

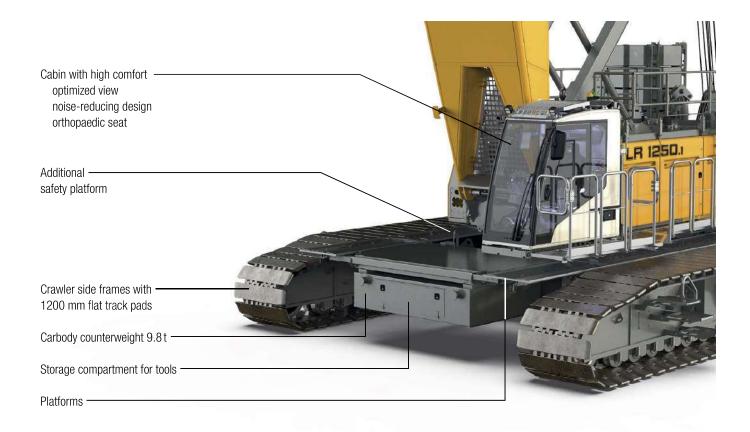
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Remarks

- The load capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
- Machine is standing on firm, horizontal ground.
- The weight of the lifting device (pulley block, hoist ropes, shackles etc.) must be deducted from the load capacity.
- Additional equipment on boom (e.g. walkways) must be deducted from the load capacity.
- The max. admissible wind speed can be preselected in the LML software and referred to in the load chart.
- Working radii are measured from centre of swing ring and under load.
- The lifting capacities are valid for 360 degrees of swing.
- Calculation of stability under load is based on ISO 4305 Table 1+2+3, tipping angle 4°.
- The steel structures are calculated according to EN 13001-1; EN 13001-2.
- The last digits of the given dimensions are rounded to 0 and 5 and may differ from the actual dimensions.
- Weights may vary depending on the delivered configuration of the machine filling level of the tanks as well as generally valid tolerances.
- The illustrations in this brochure may include options which are not within the standard scope of supply of the machine.

Concept and characteristics





High performance

A strong, efficient and reliable diesel engine of the newest generation provides high performance and enables several movements to be carried out simultaneously.

Cabin with high comfort

Optimised field of vision combined with enhanced comfort: an orthopaedic operator's seat with heating and cooling functions, as well as precise and ergonomic controls are included.

Ground pressure

The actual ground pressure is calculated according to the configuration and position of the machine and displayed in the operator's cabin. Using the optional Liebherr Crane Planner the actual ground pressure can already be calculated and displayed in the planning stage.

Control

Easy and intuitive handling of control, service and machine functions through a large, clear colour monitor. Built for extreme environmental conditions.



Efficient self-assembly system and short assembly times

The self-assembly system enables safe, independent and quick assembly/disassembly of the crawler side frames, the carbody and rear counterweights, as well as boom elements.

Easy service

The design ensures easy maintenance and service as well as safe access to the components.

Mobility

Crane parts are optimized for transportation. The maximum transport width is 3 m.

Boom/jib

A variety of boom systems and configurations allow for optimum operation on the most diverse jobsites.

Technical description

Diesel engine

Power rating according to ISO 9249	230 kW (308 hp) at 1700 rpm
Engine type	Liebherr D 944 A7-04
Fuel tank capacity	790 I with continuous level indicator and reserve warning
Exhaust certification	97/68 EC Stage IV;EPA/CARB Tier 4f 97/68 EC Stage V; EPA/CARB Tier 4f ECE-R.96 Power Band H non-certified emission standard

Noise measurement data and vibration

Noise emission	according to	2000/14/EC directive
Emission sound pressure level L _{PA}	72.9 dB(A)	(in the cabin)
Guaranteed sound power level LwA	107 dB(A)	(of the machine)
Vibration transmitted to the machine operator	< 2.5 m/s ² < 0.5 m/s ²	(to the hand-arm system) (to the whole body)

Hydraulic system

Hydraulic pumps	double axial displacement pump in open loop hy draulic system allows all functions to be operated simultaneously automatic working pressure cut-off to minimize peak pressure			
Hydraulic oil tank capacity	650 I			
Max. working pressure	350 bar			
Hydraulic oil	electronic monitoring of alle filters use of synthetic environmentally friendly oil			

■ Control

Control system	includes all control and monitoring functions, designed to withstand extreme environmental conditions and heavy construction tasks
Display	high resolution monitor in the operator's cabin, clear display of complete machine operating data, warnings and failure indications in the required language
Operation	several movements can be performed simulta- neously thanks to electro-hydraulic proportional control, all categories of loads can be positioned with utmost precision

Drive system	with fixed axial piston hydraulic motors
Crawler side frames	maintenance-free, with hydraulic chain tensioning device
Brake	hydraulically released, spring-loaded multi-disc holding brake
Drive speed	0-1.6 km/h
Flat track pads	width 1200 mm

Swing gear

0 0	
Drive system	with fixed axial piston hydraulic motors, planetary gearbox, pinion
Swing ring	roller bearing with external teeth
Brake	hydraulically released, spring-loaded multi-disc holding brake
Swing speed	0-3 rpm continuously variable
Speed control	both swing modes are possible – speed control or free swing for speed control: a multi-disc holding brake locks automatically at zero swing motion.

Standard	internal low-maintenance planetary gearbox in		
crane winches 1+2	oil bath, load support by the hydraulic system, spring-loaded, multi-disc holding brake, pressure controlled, variable flow hydraulic motors for the main winches, full utilisation of engine power as the winch speed is automatically adjusted to suit the respective line pull		
Line pull in the 7th layer	120 kN		
Rope diameter	26 mm		
Drum diameter	580 mm		
Rope speed	0-136 m/min		
Rope capacity in 7 layers	489 m		
Option – winch with free fall	free fall: clutch and braking functions are provided by the service brake (low wear and maintenance- free multi-disc brake in compact design)		

Boom/jib luffing winches ■ Boom/jib luffing win

Main boom		
Line pull	max. 180 kN	
Rope diameter	24 mm	
Boom luffing	15-86° in 130 s	
Jib		
Line pull	max. 105 kN	
Rope diameter	20 mm	
Jib luffing	15-78° in 51 s	

Operating weight

Composition of	basic machine with crawlers			
operating weight	Winches 1+2 (incl. ropes), A-frame			
	20 m main boom, consisting of boom foot (10 m),			
	boom head (7 m) and boom section (3 m)			
	82.3t rear counterweight (12×5t + 1×12t +			
	$1 \times 10t + 0.3t$)			
	36t carbody counterweight $(2 \times 9.8t + 2 \times 8.3t)$			
	250t pulley block			
Total weight	approx. 210t			

Operation modes

	Lifting mode	Grab mode	Personnel lifting mode
Land	✓	✓	✓
Floating structure (barge operation)	✓	√	✓.

* only valid for jack-up barges

Optional equipment

Basic machine

Main winches 12 t with free fall Painting in customer design

Load hook 12.5/40/80/100/160/250t

Economy and ecology

Eco-Silent Package

Aux. power unit (APU, 2.8 kW)

Boom/iib

Luffing jib: luffing winch Carbon fibre pendants

Boom/jib other

Walkway for main boom foot, incl. fall protection Walkway for main boom head, incl. fall protection

Rope guide for main boom walkway, incl. fall protection

Additional fall protection harness for 1 person

Walkways for main boom sections 3/6/12m

Walkways for main boom sections 3/6/12m, incl. fall protection

Application packages

Operation mode: personnel lifting (O) Operation mode: barge operation (O) Operation mode: foundation work (O)

Operation mode: wind speed pre-selection (S)

Operation mode: travelling with load (S)

Winch synchronization

Radio remote control

Rope reeving function via radio remote control

Assembly radio remote control

Use of luffing jib winch as auxiliary winch

Tagline winch 2 t free fall

Main winch constant tension for one winch

Two hook operation

Cabin elevator 6 m hydraulic

Special features Crane Planner 2.0

LiDAT

Self-assembly system

Jack-up system standard / telescopic Self-assembly system counterweight

Self-assembly cylinder

Reeving winch

Track shifting hydraulic

Service package

Refuelling pump diesel / AdBlue

Cold package -25 °C / -40 °C

Hydraulic oil bypass filter

Central lubrication swing ring bearings / outside

Liebherr hydraulic oil plus (longlife & bio)

Liebherr hydraulic oil plus arctic (longlife & bio)

Liebherr hydraulic oil plus arctic (longlife)

Safety features

Assistance system: Boom Up-and-Down Aid Assistance system: Horizontal Load Path Assistance system: Vertical Line Finder

Assistance system: Ground Pressure Indication and Visualization

Rear and side view cameras

Winch camera

Zoom camera at boom head

Platforms and railings on uppercarriage 570 mm

Additional access ladder for boom assembly

Railings on rooftop foldable

Railings for cabin platform

Vandalism cabin protection

Cabin protection roof, FOPS level 1

Lifting height indication for both hoist winches

Plug&Play diesel-hydraulic back-up unit 18.4 kW

Swing and boom radius limit device

Aircraft warning light

Swing warning light

Lightning rod

Mechanical angle display

Air intake shut-off valve

Access control

Operator's comfort

Additional access ladder

Additional floodlights

Cabin air conditioner Cabin tilting device hydraulic

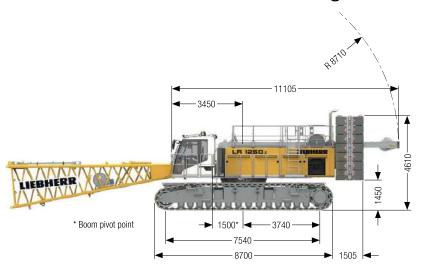
Gear oil level warning

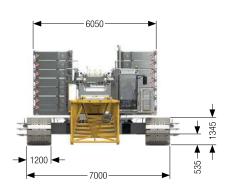
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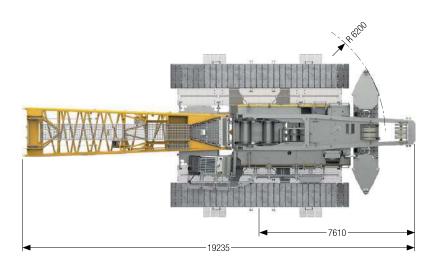
(S) standard, (O) option

Dimensions

Basic machine with undercarriage

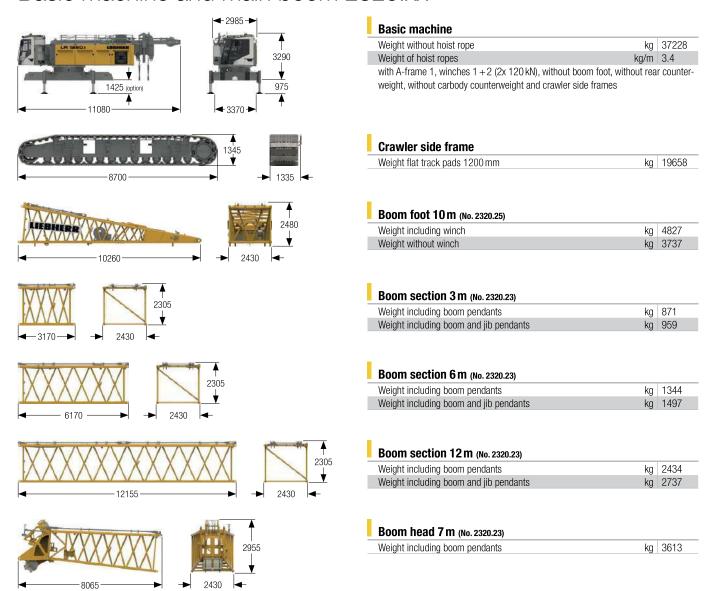




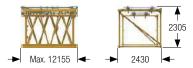


Transport dimensions and weights

Basic machine and main boom 2320.xx



Transport option 2320.xx/1916.xx

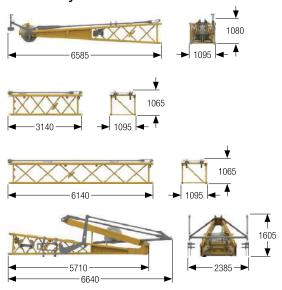


Transport option (No. 2320.xx/1916.xx)				
No. 2320.xx/1916.xx	m	3/3	6/6	12 / 12

Weight including pendants

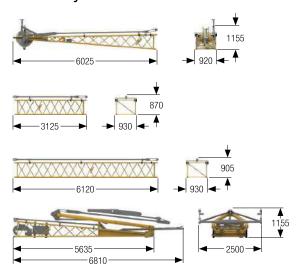
kg 1453

Fixed jib 1008.xx



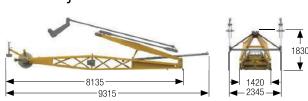
Weight including pendants	kg 873
Jib section 3 m (No. 1008.17)	
Weight including pendants	kg 267
Jib section 6 m (No. 1008.17) Weight including pendants	ka 118
Jib section 6 m (No. 1008.17) Weight including pendants	kg 448
	kg 448

Fixed jib 0806.xx



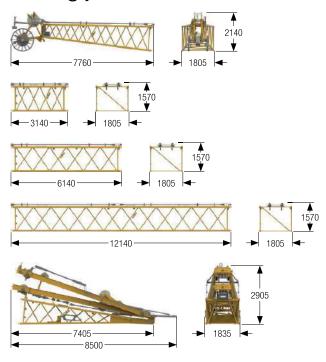
kg 141
kg 141
kg 249

Fixed jib 0906.21



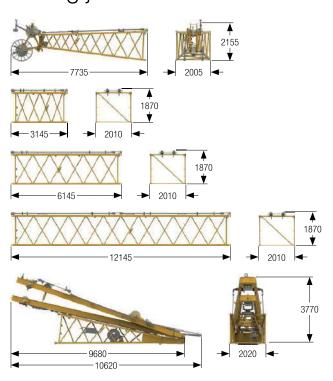
Fixed jib 7 m (No. 0906.21)	
Weight including pendants	kg 2413

Luffing jib 1713.xx



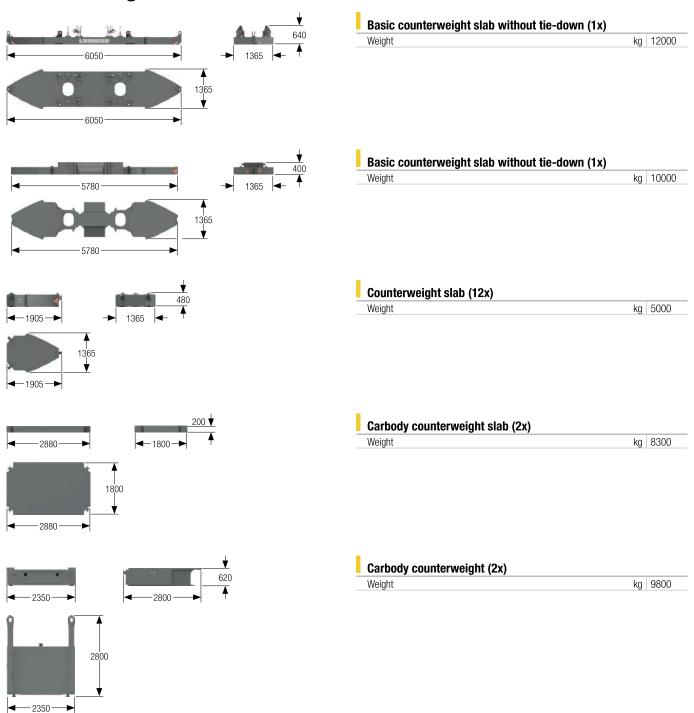
Weight including pendants	kg	1376
Jib section 3 m (No. 1713.18)		
Weight including pendants	kg	394
Jib section 6 m (No. 1713.18)		
Weight including pendants	kg	624
weight including pendants	ny	
weight including pendants	, ky	
Jib section 12 m (No. 1713.18)	rg	
Ç.	kg	1122
Jib section 12 m (No. 1713.18)	Ť	1122
Jib section 12 m (No. 1713.18)	Ť	1122

Luffing jib 1916.xx

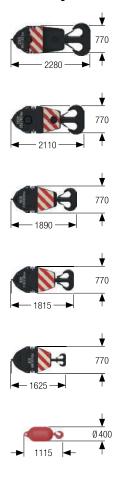


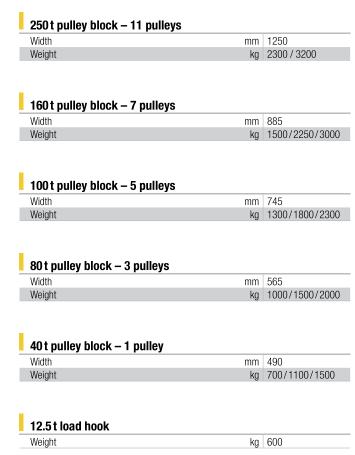
Weight including pendants	kg	1520
Jib section 3 m (No. 1916.18)		
Weight including pendants	kg	494
Jib section 6 m (No. 1916.18) Weight including pendants	kg	731
Jib section 12 m (No. 1916.18)		
Weight including pendants	kg	1287
Jib foot 7 m with A-frames 2 + 3 (No. 19	916.22)	

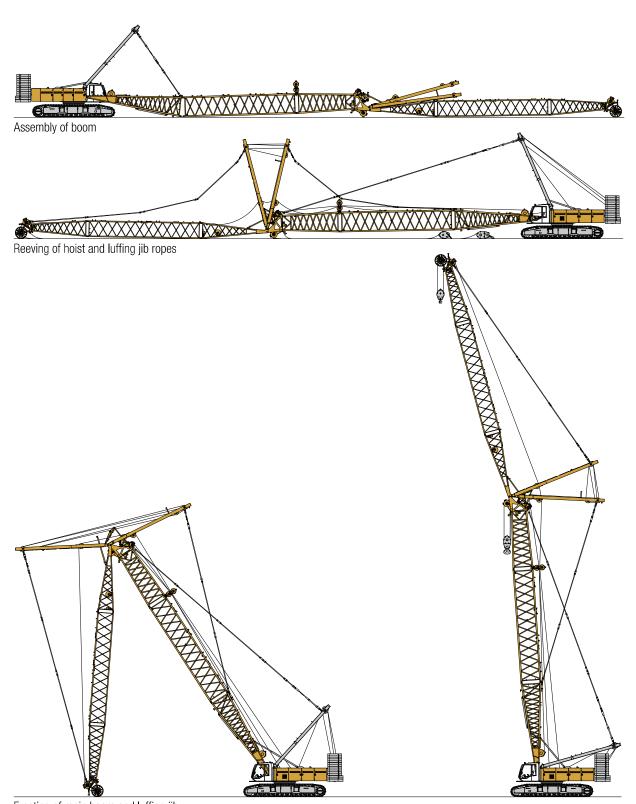
Counterweight



Pulley block with additional weights / load hooks

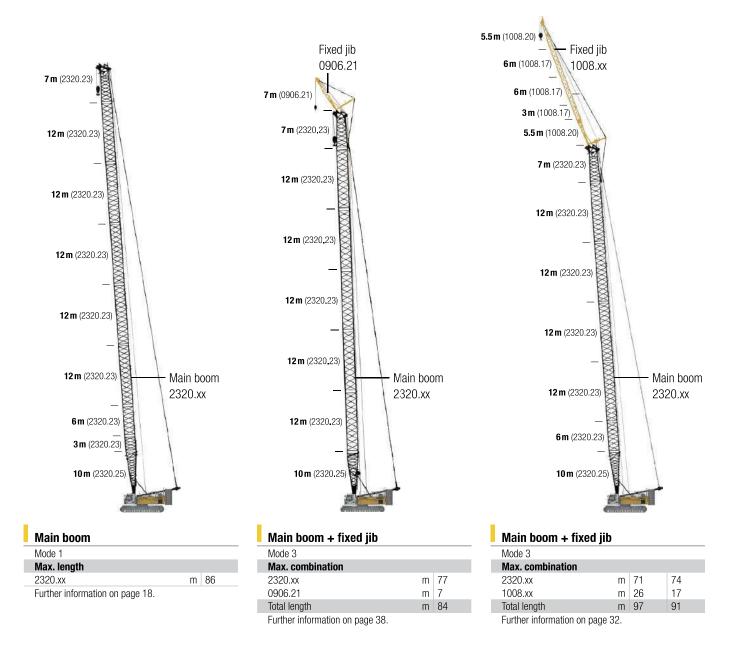


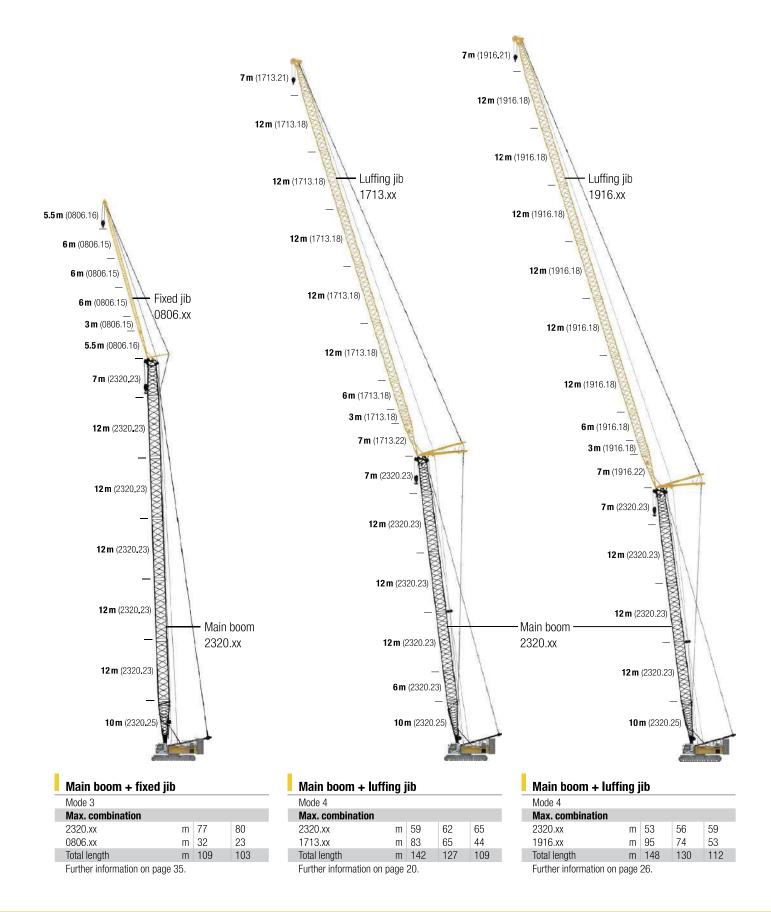




Erecting of main boom and luffing jib

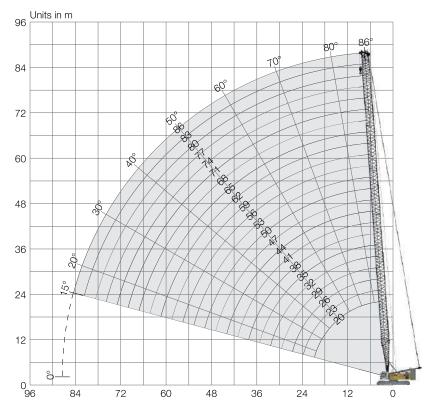
Boom combinations





Main boom 2320.xx

Main boom lengths 20-86 m





Auxiliary jib 36t (option)

The maximum capacity of the auxiliary jib is 36 t. The corresponding load chart is programmed in the LML system.

Main boom configuration 2320.xx

Boom section					Į.	Amount of b	oom sectio	ns				
Boom foot 10 m	1	1	1	1	1	1	1	1	1	1	1	1
Boom section 3 m	1		1		1		1		1		1	
Boom section 6 m		1	1			1	1			1	1	
Boom section 12 m				1	1	1	1	2	2	2	2	3
Boom head 7 m	1	1	1	1	1	1	1	1	1	1	1	1
Boom length [m]	20	23	26	29	32	35	38	41	44	47	50	53
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boom foot 10 m	1	1	1	1	1	1	1	1	1	1	1	
Boom section 3 m	1		1		1		1		1		1	
Boom section 6 m		1	1			1	1			1	1	
Boom section 12 m	3	3	3	4	4	4	4	5	5	5	5	
Boom head 7 m	1	1	1	1	1	1	1	1	1	1	1	
Boom length [m]	56	59	62	65	68	71	74	77	80	83	86	
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓				

Load capacities with main boom

Load capacities in [t] with 82.3 t rear counterweight and 36 t carbody counterweight

							Boom le	ngth [m]					
		20	26	32	38	44	50	56	62	68	74	80	86
	5.8					122.1							
	6				143.5	122.1							
	7			149.9	136.5	117.5	101.4	86.4	72.1				
	8		139.3	132.4	124.5	112.6	96.9	83.4	71.5	59.1	49.8		
	9	129.7	122.7	115.9	109.6	103.9	93.0	80.4	68.1	57.7	49.5	41.2	34.0
	12	87.5	87.5	83.8	80.0	76.6	73.4	70.3	61.3	52.9	45.8	39.6	32.7
	18	50.0	50.0	49.9	49.6	49.1	47.3	45.6	43.9	42.3	38.7	34.4	29.2
	20	43.3	43.4	43.3	43.0	42.7	41.9	40.4	38.9	37.5	36.1	32.4	28.2
Radius [m]	22		38.2	38.1	37.8	37.5	37.1	36.2	34.9	33.6	32.3	30.6	26.9
.≅	28			27.4	27.1	26.8	26.4	26.1	25.7	24.9	23.9	22.9	21.9
g	34				20.5	20.3	19.9	19.5	19.1	18.7	18.2	17.4	16.5
-	38				17.3	17.1	16.7	16.4	15.9	15.5	15.1	14.7	13.8
	40					15.8	15.4	15.0	14.6	14.2	13.8	13.3	12.6
	44					13.4	13.1	12.8	12.4	12.0	11.6	11.2	10.6
	46						12.1	11.9	11.4	11.0	10.6	10.2	9.7
	50						10.4	10.2	9.7	9.3	8.9	8.5	8.0
	55							8.3	8.0	7.6	7.1	6.7	6.2
	60								6.5	6.1	5.7	5.2	4.8
	65									4.8	4.4	4.0	3.5
	70										3.3	2.9	2.5
	75											2.0	

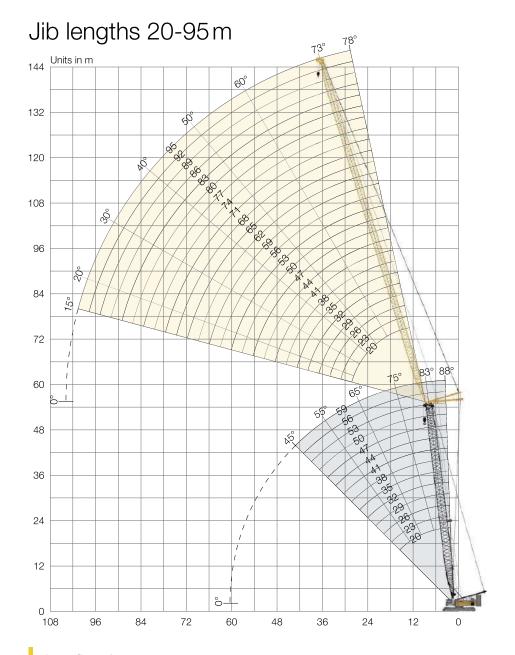
Load capacities in [t] with 72.3t rear counterweight and 36t carbody counterweight

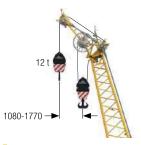
						Boom le	ngth [m]					
	20	26	32	38	44	50	56	62	68	74	80	83
4.1	219.1											
5	216.9	199.9	173.7									
6	194.3	180.1	165.5	143.5	122.1							
7	164.9	152.4	141.7	132.2	117.5	101.4	86.4	72.1				
8	138.9	129.7	121.6	114.3	107.8	96.9	83.4	71.5	59.1	49.8		
10	104.8	99.5	94.4	89.6	85.3	81.2	77.1	65.7	56.0	48.1	40.7	36.9
12	80.2	80.1	76.7	73.3	70.1	67.1	64.2	61.3	52.9	45.8	39.6	35.9
. 14	64.5	64.5	64.4	61.7	59.2	56.8	54.6	52.4	50.0	43.2	37.6	34.3
18	45.7	45.7	45.5	45.2	44.7	43.0	41.4	39.8	38.3	36.8	34.4	31.5
22 26		34.7	34.6	34.3	34.0	33.7	32.8	31.5	30.3	29.0	27.9	27.3
26		27.5	27.5	27.2	26.9	26.5	26.2	25.6	24.6	23.5	22.5	22.0
30			22.4	22.2	21.9	21.5	21.1	20.7	20.3	19.3	18.4	18.0
34				18.4	18.1	17.7	17.4	17.0	16.6	16.1	15.2	14.8
36				16.8	16.6	16.2	15.8	15.4	15.0	14.6	13.9	13.5
38				15.4	15.2	14.8	14.5	14.1	13.7	13.2	12.7	12.3
44					11.9	11.6	11.2	10.8	10.4	10.0	9.5	9.3
50						9.1	8.8	8.3	7.9	7.5	7.1	6.9
55							7.1	6.7	6.3	5.9	5.4	5.2
60								5.3	4.9	4.5	4.1	3.9
65									3.8	3.4	2.9	2.7
70										2.4		

TLT 11962152. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.

www.liebherr.com/CranePlanner **Crane Planner 2.0**

Luffing jib 1916.xx





Auxiliary jib 12t (option)

The maximum capacity of the auxiliary jib is 12 t.

Jib configuration 1916.xx

			-																							
Jib section		Amount of jib sections																								
Jib foot 7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jib section 3 m		1		1		1		1		1		1		1		1		1		1		1		1		1
Jib section 6 m	1	1			1	1			1	1			1	1			1	1			1	1			1	1
Jib section 12 m			1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
Jib head 7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jib length [m]	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95
Auxiliary iib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1	✓	✓	✓	✓	✓	✓	✓	✓	

For main boom configuration please refer to the table on page 18.

Load capacities in [t] with 20 m main boom 88°

Т				Jib len	gth [m]		
		20	35	50	65	80	95
	9	70.7					
	11	70.7	49.6				
	12	69.8	48.1				
Ξ	16	47.7	40.2	28.5			
Radius [m]	18	39.9	34.6	27.0	16.7		
를	22	28.4	26.9	23.7	15.4	9.7	
8	24		23.7	21.3	14.7	9.4	5.3
	32		16.5	15.0	12.8	8.6	5.1
	38			12.1	10.6	8.0	4.8
	46			9.5	8.0	6.7	4.3
	55				6.1	5.1	3.5
	75					2.5	
	00 01		aight and OC		Adams and all all and a second		

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 29 m main boom 88°

				Jib len	gth [m]		
		20	35	50	65	80	95
	8.1	70.7					
	12	66.1	45.4				
	16	49.2	39.2	26.3			
Ξ	18	42.3	36.0	25.1	15.2		
Radius [m]	22	32.0	29.9	23.0	14.5	8.7	
를	24		26.5	21.9	14.0	8.5	4.6
8	32		19.2	17.4	12.7	8.2	4.6
	38			14.5	11.6	7.7	4.5
	44			12.2	10.4	7.2	4.2
	65				6.1	4.9	3.0
	75					3.7	2.2
	80					3.1	

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 41 m main boom 88°

				Jib leng	gth [m]		
		20	35	50	65	80	95
	8.6	61.2					
	12	55.6	38.7				
	16	42.4	35.2	23.0			
E	18	37.0	32.1	22.4	13.2		
Radius [m]	22	28.8	26.1	20.8	12.8	7.7	
를	24		23.3	19.5	12.6	7.6	
2	34		16.3	14.4	11.6	7.4	4.0
	40			12.2	10.1	7.0	4.0
	50			9.6	7.8	6.0	3.7
	55				6.9	5.6	3.3
	70					3.6	2.3
	80					2.6	

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 50 m main boom 88°

		Jib length [m]						
		20	35	50	65	80	95	
	8.9	50.8						
	12	46.1	32.0					
	16	37.2	29.7	20.1				
Radius [m]	20	29.1	25.2	18.8	11.6			
	22	26.1	23.1	18.3	11.3	6.9		
를	24		20.9	17.3	11.3	6.8		
82	26		19.1	16.3	11.2	6.8	3.5	
	40			11.1	9.0	6.6	3.5	
	50			8.8	6.9	5.5	3.4	
	65				4.8	3.6	2.4	
	70					3.1		
	80					2.2		

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 56 m main boom 88°

	Load Capacities in [t] with 30 in main boom 00									
	Jib length [m]									
		20	35	50	65	71	74			
	9.1	43.1								
	13	38.8	27.1							
	16	33.8	25.3	17.4						
Radius [m]	20	27.0	22.4	16.1	10.6	8.7				
	26		17.5	14.3	10.0	8.4	7.6			
를	28		16.3	13.8	9.9	8.3	7.6			
æ	36		13.0	11.1	9.3	8.0	7.5			
	38		12.4	10.5	8.8	8.0	7.4			
	50			7.9	6.4	5.9	5.6			
	65				4.4	3.9	3.7			
	70					3.4	3.2			
	75						2.7			

82.3t rear counterweight and 36t carbody counterweight

TLT 11962152. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.





Load capacities in [t] with 20 m main boom 83°

		Jib length [m]								
		20	35	50	65	80	95			
Radius [m]	11.3	70.7								
	16	58.3	42.7							
	22	34.0	32.7	25.0						
	26		24.4	22.4	14.6					
	30		20.1	20.1	13.9	9.0				
를	32		18.5	18.0	13.5	8.8				
8	34		17.2	16.2	13.2	8.6	5.1			
	40			12.9	11.3	8.0	4.8			
	55				7.0	6.4	3.8			
	65				5.1	4.4	3.1			
	75					3.1	2.0			
	80					2.4				
_			a:a:b:t a:a:d 00		and a second a last	L. 1				

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 29 m main boom 83°

				Jib len	gth [m]		
		20	35	50	65	80	95
	12.4	70.7					
	18	51.1	39.5				
	22	39.5	34.3	23.7			
E	26		29.9	22.1	14.0		
Radius [m]	30		26.0	21.2	13.5	8.5	
를	36		20.7	19.4	12.7	8.1	4.6
26	42			16.4	11.9	7.6	4.5
	48			13.5	11.2	7.1	4.1
	50			12.8	10.7	7.0	4.1
	60				9.0	6.5	3.4
	65				7.8	6.2	3.2
	85						2.0

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 41 m main boom 83°

			Jib length [m]								
		20	35	50	65	80	95				
Radius [m]	13.8	55.4									
	20	42.5	33.8								
	26	29.6	27.9	20.4							
	28		25.7	19.9	12.5						
	32		22.2	19.2	12.4	7.5					
	40		16.9	16.2	11.5	7.3	4.0				
89	44			14.2	11.0	7.1	4.0				
	60				8.1	6.1	3.3				
	65				7.2	5.6	3.1				
	70				6.2	5.2	2.8				
	75					4.7	2.5				
	85					3.1					
	00 01			the analysis of the second							

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 50 m main boom 83°

				Jib leng	gth [m]		
		20	35	50	65	80	95
	14.9	43.9					
	20	37.7	28.7				
	24	30.7	26.2	18.5			
Radius [m]	30		21.8	17.9	11.1		
	34		19.0	17.0	11.0	6.8	
를	38		16.7	15.2	10.8	6.8	3.5
82	44			13.0	10.2	6.7	3.5
	55			9.8	8.2	6.1	3.5
	60				7.2	5.8	3.2
	70				5.6	4.6	2.7
	75					4.1	2.3
	85					2.9	

82.3t rear counterweight and 36t carbody counterweight

I nad canacities in [t] with 56 m main boom 83°

Luau capacities iii [t] with 30 iii iiiaiii buulii 03										
			Jib length [m]							
		20	35	50	65	71	74			
	15.7	37.4								
	22	31.7	23.9							
	26	26.4	22.1	16.0						
Radius [m]	28	24.3	21.0	15.9						
	30		19.9	15.6	10.1					
를	32		18.9	15.3	10.1	8.3	7.6			
82	40		14.7	13.0	10.0	8.3	7.6			
	44			11.7	9.5	8.2	7.6			
	60				6.7	6.3	6.2			
	65				6.0	5.5	5.4			
	75					4.2	4.1			
	80						3.5			

82.3t rear counterweight and 36t carbody counterweight

TLT 11962152. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.





Load capacities in [t] with 20 m main boom 75°

_								
		Jib length [m]						
		20	35	50	65	80	95	
	16.7	56.4						
	24	36.3	34.4					
	28		28.5					
E	30		25.3	22.6				
Radius [m]	36		18.4	19.4	13.2			
를	42		12.1	14.8	12.4	8.0		
8	44			13.6	12.0	7.9		
	50			10.9	10.9	7.4	4.3	
	55			9.2	8.8	7.0	4.0	
	60				7.1	6.6	3.7	
	75					3.9	2.7	
	85					2.4	2.1	

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 29 m main boom 75°

				Jib len	gth [m]		
		20	35	50	65	80	95
Radius [m]	19	45.7					
	26	32.0	30.8				
	28	29.2	28.6				
핕	32		24.2	21.5			
	36		21.0	20.3			
를	38		19.6	19.0	12.7		
28	44		16.3	15.7	12.2		
	46			14.8	12.0	7.5	
	55			11.7	11.0	6.9	3.9
	70				7.6	6.3	3.1
	85					4.8	2.3
	90						2.1

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 41 m main boom 75°

				Jib len	gth [m]		
		20	35	50	65	80	95
	22.1	35.2					
	30	25.5	23.9				
	32	23.6	22.3				
E	36		19.8	18.2			
-S	42		16.3	15.4	11.8		
Radius [m]	48			13.1	11.4	7.1	
B	55			10.9	9.9	6.7	3.7
	60			9.6	8.9	6.5	3.6
	65				7.9	6.3	3.3
	80					4.8	2.6
	85					4.2	2.4
	90					3.7	2.2

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 50 m main boom 75°

		Jib length [m]							
		20	35	50	65	80	95		
	24.4	29.0							
	32	22.2	20.3						
	34	20.9	19.0						
Radius [m]	38		16.9	15.5					
	44		14.5	13.1	10.8				
를	48		12.9	11.9	10.5				
22	50			11.3	10.0	6.6			
	60			9.0	7.8	6.3	3.4		
	65				7.0	5.8	3.2		
	75				5.6	4.5	2.8		
	85					3.5	2.3		
	90					3.0			

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 56 m main boom 75°

	Load capacities in [t] with som main boom 75										
		Jib length [m]									
		20	35	50	65	71	74				
	26	25.6									
	34	19.6	17.7								
	36	18.5	16.7								
Radius [m]	40		14.9	13.5							
	46		12.8	11.6	10.1						
를	48		12.2	11.0	9.6	8.3					
89	55			9.3	8.0	7.5	7.3				
	60			8.3	7.1	6.6	6.4				
	65			7.5	6.3	5.8	5.6				
	70				5.6	5.1	5.0				
	80				4.5	4.0	3.8				
	85					3.5	3.4				

82.3t rear counterweight and 36t carbody counterweight

TLT 11962152. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.





Load capacities in [t] with 20 m main boom 65°

			Jib len	gth [m]		
	20	35	50	65	80	95
24	34.8					
30	26.5					
36		20.6				
38		19.3				
44		16.0	15.4			
50			13.0	11.8		
55			11.5	10.7		
60				9.4	6.9	
70				6.6	6.2	3.2
75					5.8	2.9
85					3.8	2.4
90						2.1
	30 36 38 44 50 55 60 70 75 85 90	24 34.8 30 26.5 36 38 44 50 55 60 70 75 85 90	24 34.8 30 26.5 36 20.6 38 19.3 44 16.0 50 55 60 70 75 85 90 90	20 35 50 24 34.8 30 26.5 36 20.6 38 19.3 44 16.0 15.4 50 13.0 55 11.5 60 70 75 85 90	24 34.8 30 26.5 36 20.6 38 19.3 44 16.0 15.4 50 13.0 11.8 55 11.5 10.7 60 9.4 70 6.6 75 85	20 35 50 65 80 24 34.8 30 26.5 36 36 20.6 38 19.3 44 16.0 15.4 50 55 13.0 11.8 10.7 60 9.4 6.9 70 6.6 6.2 75 5.8 85 3.8 90

 $82.3\,t$ rear counterweight and $36\,t$ carbody counterweight

Load capacities in [t] with 29 m main boom 65°

				Jib len	gth [m]		
		20	35	50	65	80	95
	28	27.3					
	32	23.2					
	36		19.4				
Ξ	44		15.0	14.4			
Radius [m]	48		13.4	12.8			
를	60			9.4	8.6		
8	65				7.6	6.5	
	70				6.7	6.0	3.2
	75				6.0	5.3	3.0
	80					4.6	2.8
	90					3.5	2.3
	95						2.1

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 41 m main boom 65°

				Jib len	gth [m]		
		20	35	50	65	80	95
	31.7	21.3					
	34	19.5					
	42		14.2				
Ξ	48		11.9				
Radius [m]	50		11.3	10.6			
를	60			8.1	7.2		
8	65			7.2	6.3		
	70				5.6	4.5	
	75				4.9	3.9	2.7
	80				4.3	3.4	2.3
	85					2.9	
	95					2.1	
	00.01		-in-bt and 00	A considerable to a considerable to the consid	and a second ballion		

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 50 m main boom 65°

				Jib len	gth [m]		
		20	35	50	65	80	83
	35.5	16.7					
	36	16.5					
	38	15.4					
Ξ	46		11.1				
Radius [m]	50		10.0				
를	55		8.8	7.8			
82	60			6.9			
	65			6.2	4.9		
	70			5.5	4.3	3.2	
	75				3.8	2.7	2.4
	80				3.3	2.2	
	85				2.9		
	00 01		alabt and 00	a a a da a da a a a			

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 56 m main boom 65°

_	Load capacities in [t] with 30 in main boom 03										
				Jib leng	gth [m]						
		20	35	50	65	71	74				
	38.1	13.9									
	40	13.2									
	42	12.5									
Ξ	46	11.1									
Radius [m]	48		9.3								
를	50		8.9								
8	60		7.0	5.9							
	65			5.2	3.9						
	70			4.6	3.4	2.9	2.8				
	75			4.1	2.9	2.4	2.3				
	80				2.5	2.0					
	85				2.1						

82.3t rear counterweight and 36t carbody counterweight

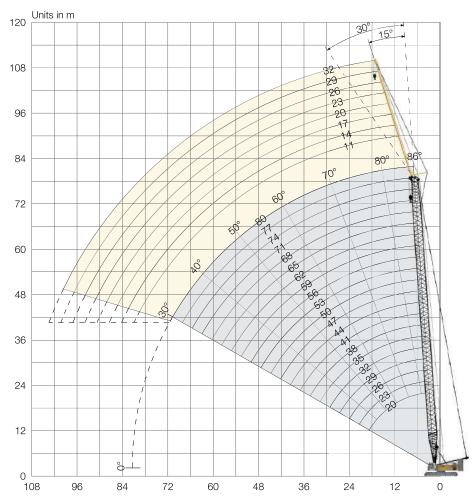
TLT 11962152. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.





Fixed jib 0806.xx

Jib lengths 11-32 m



Jib configuration 0806.xx

	on comigation cocini							
Jib section		Amount of jib sections						
Jib foot 5.5 m	1	1	1	1	1	1	1	1
Jib section 3 m		1		1		1		1
Jib section 6 m			1	1	2	2	3	3
Jib head 5.5 m	1	1	1	1	1	1	1	1
Jib length [m]	11	14	17	20	23	26	29	32

For main boom configuration please refer to the table on page 18.

Load capacities with fixed jib 15°

Load capacities in [t] with 20 m main boom

		Jib length [m]									
		11	17	23	29	32					
	11	20.5									
Ē	13	19.6	12.5								
	16	18.4	11.8	9.1	6.5						
	18	17.7	11.3	8.8	6.2	5.1					
Radius [m]	22	16.6	10.5	8.2	5.8	4.6					
를	26	15.7	9.9	7.7	5.4	4.3					
æ	30	14.6	9.5	7.3	5.0	4.0					
	34		8.9	6.9	4.8	3.7					
	38			6.5	4.5	3.5					
	42			6.0	4.3	3.3					
	48				4.1	3.2					
	50					3.1					

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 35 m main boom

	Jib length [m]								
	11	17	23	29	32				
8	22.7								
10	22.1	13.6							
12	21.4	13.2	9.7						
14	20.9	12.7	9.4	6.7					
20	19.2	11.6	8.8	6.1	4.9				
28	17.3	10.5	8.0	5.5	4.3				
36	16.0	9.7	7.4	4.9	3.9				
40	15.1	9.4	7.1	4.7	3.7				
44		9.0	6.9	4.5	3.5				
50			6.4	4.3	3.3				
55			6.0	4.2	3.2				
60				4.1	3.1				
	10 12 14 20 28 36 40 44 50	8 22.7 10 22.1 12 21.4 14 20.9 20 19.2 28 17.3 36 16.0 40 15.1 44 50 55	11 17 8 22.7 10 22.1 13.6 12 21.4 13.2 14 20.9 12.7 20 19.2 11.6 28 17.3 10.5 36 16.0 9.7 40 15.1 9.4 44 9.0 50 55	11 17 23 8 22.7 10 22.1 13.6 12 21.4 13.2 9.7 14 20.9 12.7 9.4 20 19.2 11.6 8.8 28 17.3 10.5 8.0 36 16.0 9.7 7.4 40 15.1 9.4 7.1 44 9.0 6.9 50 6.4 55 6.0	11 17 23 29 8 22.7 10 22.1 13.6 12 21.4 13.2 9.7 14 20.9 12.7 9.4 6.7 20 19.2 11.6 8.8 6.1 28 17.3 10.5 8.0 5.5 36 16.0 9.7 7.4 4.9 40 15.1 9.4 7.1 4.7 44 9.0 6.9 4.5 50 6.4 4.3 55 6.0 4.2				

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 50 m main boom

				Jib length [m]		
		11	17	23	29	32
	6.7	21.1				
	10	20.5	12.6			
	12	20.2	12.3	8.8		
E	14	19.7	12.0	8.6	6.1	
Radius [m]	16	19.3	11.8	8.5	6.0	4.9
를	34	17.1	10.1	7.4	5.1	4.0
22	46	12.8	9.5	7.0	4.6	3.6
	55	9.3	9.0	6.7	4.3	3.3
	60		8.4	6.4	4.1	3.2
	65			6.2	4.1	3.1
	70				4.0	3.1
	75					3.0
	00 01		lat and 004 and	and the second and the	Salah	

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 65 m main boom

				Jib length [m]		
		11	17	23	29	32
	7.2	18.6				
	10	18.3	11.7			
	13	18.0	11.4	7.9		
Ξ	16	17.7	11.2	7.8	5.4	4.4
Radius [m]	24	17.0	10.6	7.4	5.1	4.2
를	32	16.4	10.1	7.1	4.9	4.0
28	48	10.9	9.4	6.6	4.5	3.6
	65	5.5	6.1	6.4	4.2	3.3
	70		5.0	5.5	4.1	3.2
	80			3.6	4.0	3.1
	85				3.3	3.1
	90					2.7

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 80 m main boom

	Load Capacities in [t] with oo in main boom										
				Jib length [m]							
		11	14	17	20	23					
	7.8	14.9									
	9	14.9	11.6								
	11	14.8	11.6	9.0							
Ξ	12	14.7	11.5	9.0	7.6						
Radius [m]	20	14.2	11.1	8.7	7.4	6.0					
를	28	13.7	10.8	8.4	7.2	5.9					
Ba	36	13.3	10.6	8.2	7.1	5.8					
	44	11.4	10.2	8.1	7.0	5.7					
	55	7.1	7.4	7.7	6.9	5.5					
	65	4.3	4.6	4.9	5.2	5.2					
	70	3.3	3.6	3.8	4.1	4.4					
	80			2.1	2.3	2.5					

82.3t rear counterweight and 36t carbody counterweight

TLT 11962152. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.





Load capacities with fixed jib 30°

Load capacities in [t] with 20 m main boom

		Jib length [m]									
		11	17	23	29	32					
	13	17.6									
	16	16.8	10.6								
	20	16.0	10.1	7.8							
Ξ	22	15.5	9.9	7.6	5.3						
Radius [m]	24	14.6	9.7	7.4	5.2	4.1					
를	28	13.3	9.2	7.0	4.9	3.8					
8	30	12.9	8.8	6.8	4.7	3.7					
	32		8.5	6.6	4.6	3.6					
	36		8.0	6.1	4.4	3.4					
	42			5.7	4.2	3.3					
	48				4.1	3.1					
	50					3.1					

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 35 m main boom

		Jib length [m]				
		11	17	23	29	32
	11	18.9				
	14	18.2	11.1			
	18	17.4	10.7	8.1		
Ξ	20	17.0	10.4	7.9		
Radius [m]	24	16.4	10.1	7.6	5.2	4.1
를	34	14.2	9.5	7.0	4.7	3.7
82	36	13.8	9.2	6.8	4.6	3.6
	42	12.9	8.5	6.4	4.4	3.4
	46		8.2	6.0	4.3	3.3
	55			5.7	4.2	3.2
	60				4.2	3.1
	65					3.1

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 50 m main boom

		Jib length [m]				
		11	17	23	29	32
	9.4	18.2				
	14	17.7	10.7			
	18	17.3	10.5	7.7		
Ξ	20	17.2	10.3	7.6		
Radius [m]	22	17.0	10.2	7.6	5.2	
	24	16.8	10.1	7.5	5.1	4.0
	42	14.4	9.3	6.8	4.5	3.4
	55	9.4	8.3	6.0	4.2	3.2
	60		8.1	5.9	4.1	3.2
	65			5.7	4.1	3.1
	70				4.1	3.1
	75				4.1	3.1

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 65 m main boom

		Jib length [m]				
		11	17	23	29	32
Radius [m]	9.9	16.5				
	14	16.3	10.2			
	18	16.2	10.1	7.2		
	22	16.2	9.9	7.1	4.9	
	32	16.0	9.6	6.9	4.7	3.8
	42	14.3	9.3	6.8	4.5	3.6
	55	8.5	8.8	6.5	4.3	3.3
	65	5.6	6.3	6.0	4.2	3.2
	75		4.1	4.7	4.2	3.2
	80			3.7	4.2	3.2
	85				3.4	3.2
	90					2.8

82.3t rear counterweight and 36t carbody counterweight

Load capacities in [t] with 80 m main boom

	Load capacities in [t] with oom main boom							
		Jib length [m]						
		11	14	17	20	23		
Radius [m]	10.4	13.9						
	13	13.9	11.2					
	16	13.8	11.2	8.7	7.6			
	18	13.8	11.1	8.6	7.6	6.0		
	28	13.6	11.0	8.5	7.4	5.9		
	38	13.4	10.9	8.5	7.3	5.8		
	44	11.7	10.4	8.5	7.2	5.8		
	46	10.9	10.1	8.5	7.2	5.8		
	50	9.3	9.6	8.5	7.1	5.8		
	55	7.4	7.8	8.2	7.0	5.8		
	75	2.5	2.8	3.1	3.4	3.7		
	80			2.2	2.5	2.8		

82.3t rear counterweight and 36t carbody counterweight

TLT 11962152. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.





