

EN-US



LR 1250.1 unplugged

LR 1104.03.08
www.liebherr.com

LIEBHERR

Crawler cranes

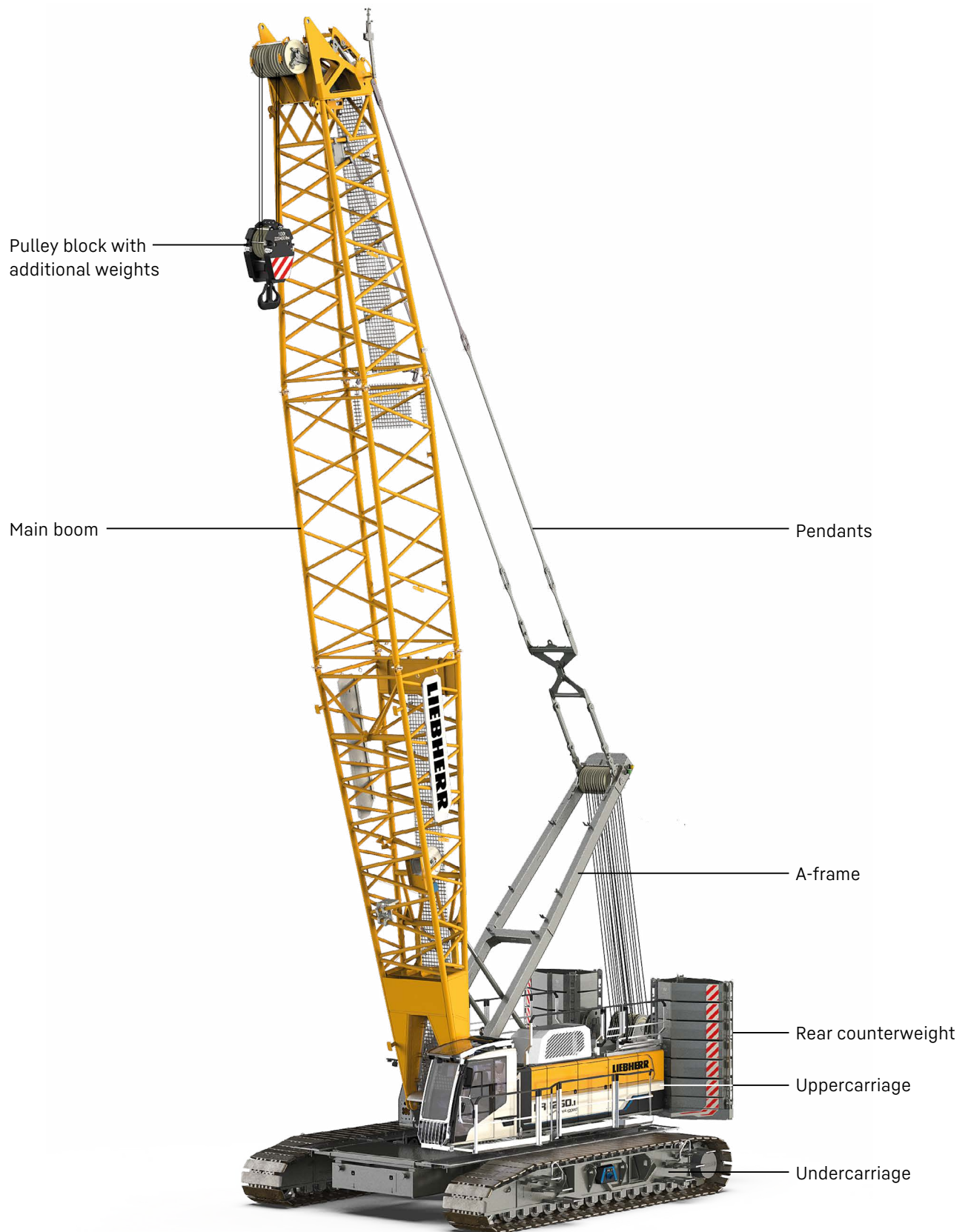


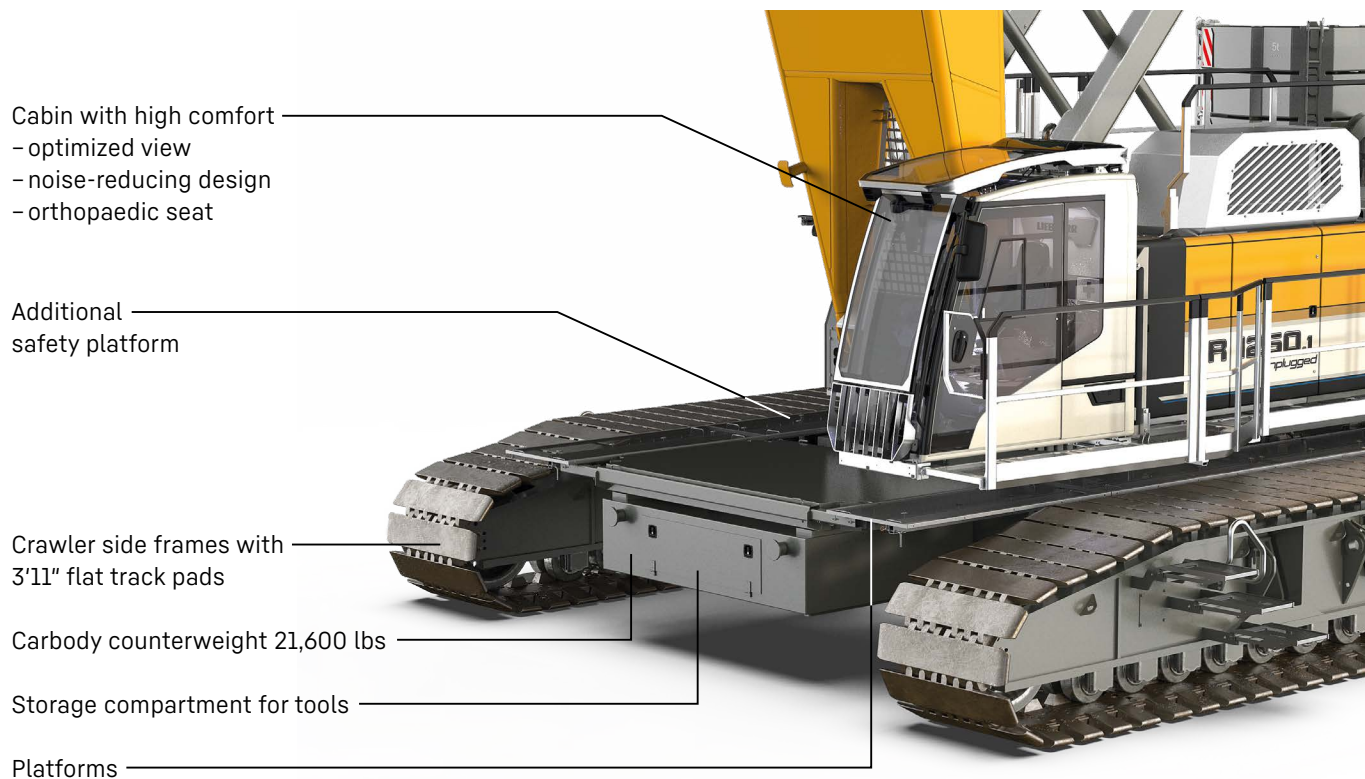
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Remarks

- 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 ANSI/ASME B 30.5 load ratings as well as ISO 4305 Table 2 and tested according to SAE J765 and SAE J987.
- 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.
- Subject to technical change without notice.

Concept and characteristics





High performance

A powerful, efficient and reliable electro-hydraulic drive system combined with a high-performance lithium-ion battery ensures high productivity and allows for several movements to be carried out simultaneously.

Ground pressure

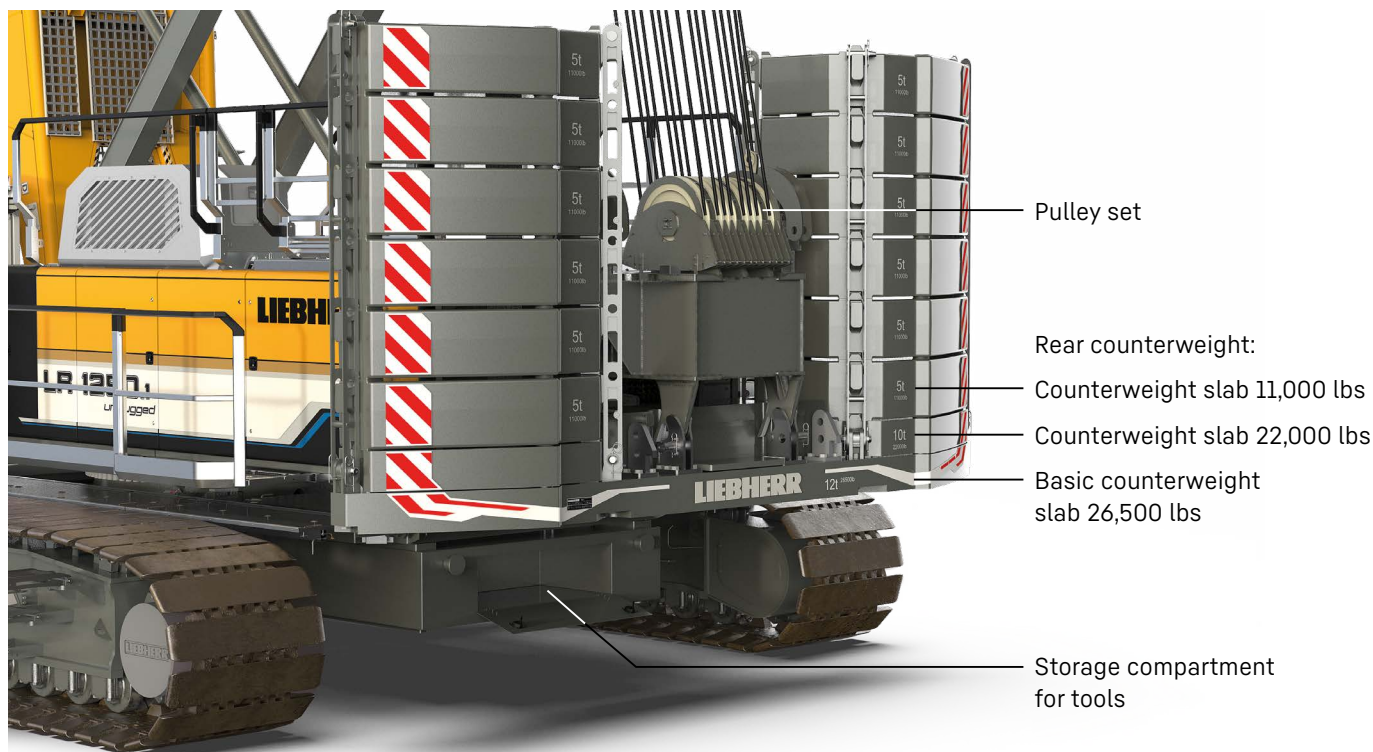
The actual ground pressure is calculated according to the configuration and position of the machine and displayed in the operator's cabin. Using the optional Liebherr Crane Planner the actual ground pressure can already be calculated and displayed in the planning stage.

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.

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.

Mobility

Crane parts are optimized for transportation. The maximum transport width is 9.84 ft.

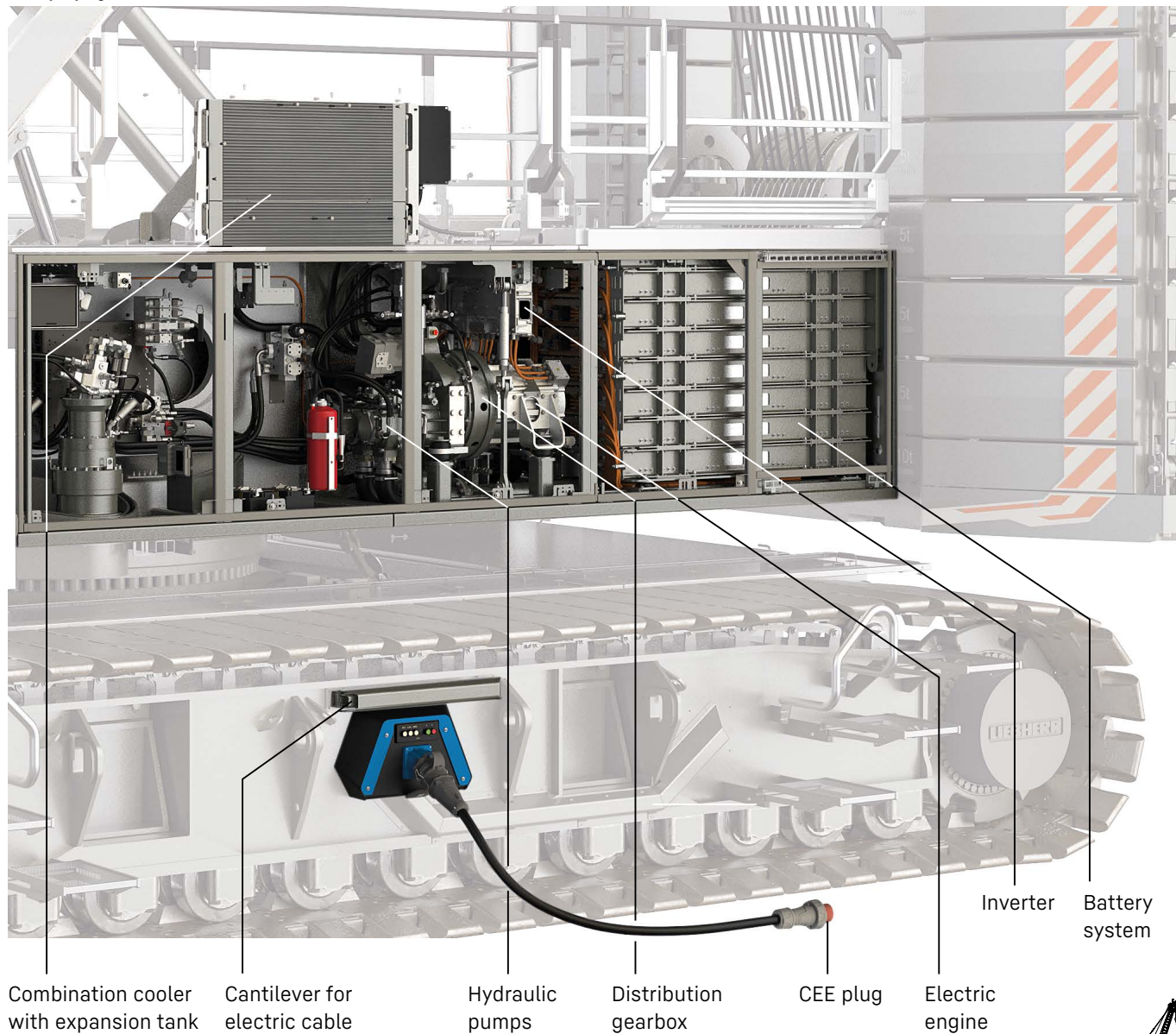
Easy service and low maintenance

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

Boom

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

Exemplifying illustration



Combination cooler with expansion tank

Cantilever for electric cable

Hydraulic pumps

Distribution gearbox

CEE plug

Electric engine

Inverter

Battery system



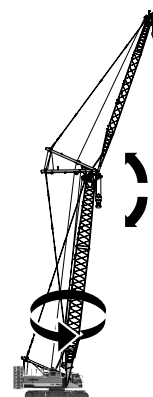
Control unit



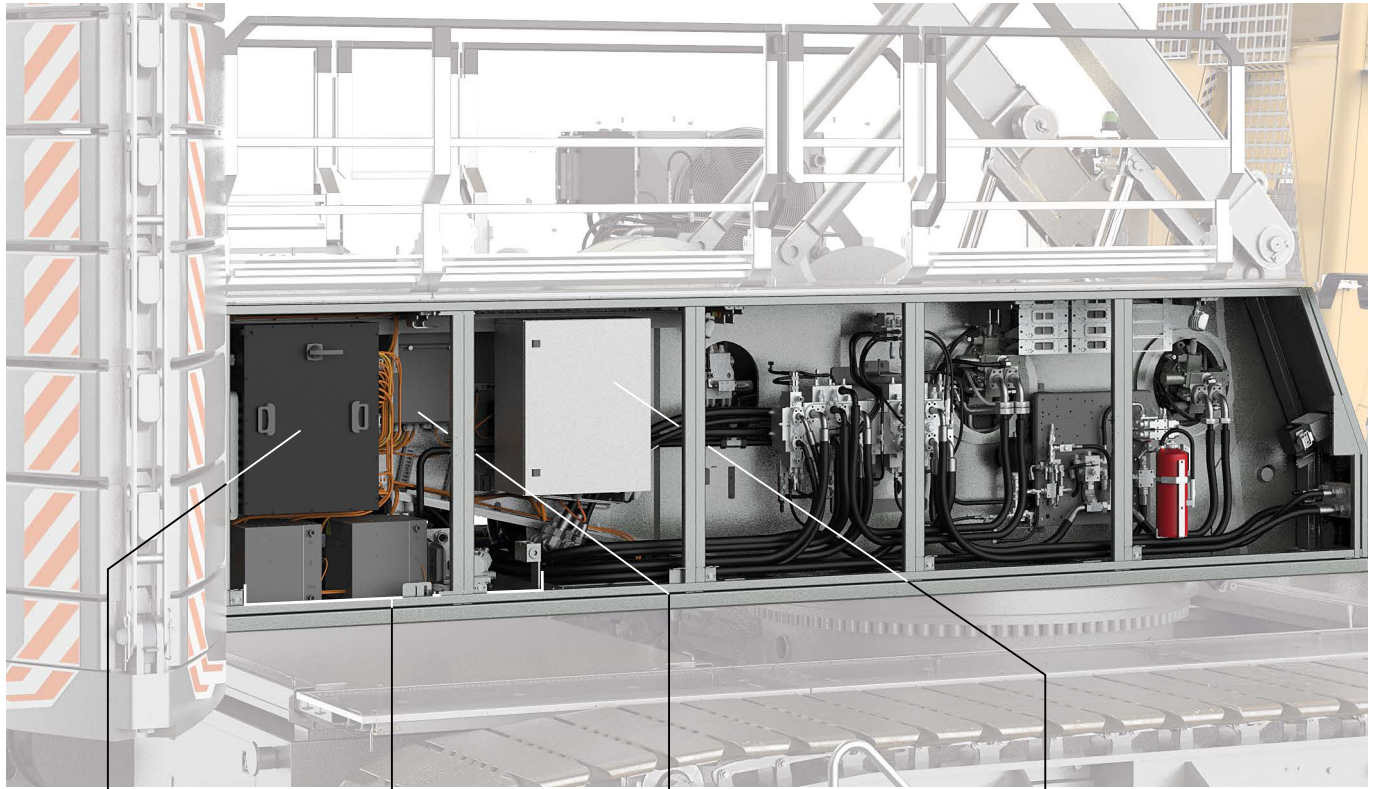
Charging power:
 - 20 kW (32 A / 400 VAC)
 - 40 kW (63 A / 400 VAC)
 - 80 kW (125 A / 400 VAC) option

Performance "plugged in"

The crane's performance in "plugged" operation is in no way inferior to its diesel-driven performance. The machine can be used without limitations as the battery charges continuously when connected and so delivers sufficient energy at all times.



Exemplifying illustration



Switch cabinet 700 VDC
(Direct Current)

Thermal management
system

Switch cabinet 400 VAC
(Alternating Current)

Switch cabinet 24 V LVDU
(Low Voltage Distribution Unit)

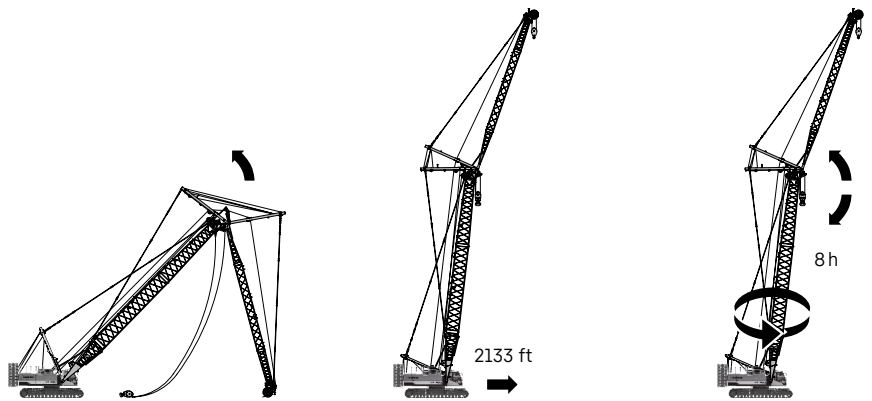
Performance “unplugged”

The crane's performance⁽¹⁾ in “un-plugged” operation allows for erecting the boom and jib, for travelling a distance of approx. 2133 ft⁽²⁾ with full counterweight or for approx. 8 hours⁽³⁾ of crane operation.

¹ Battery service life can be optimized by operating the crane in “plugged-in” operation as often as possible.

² Fully ballasted on even terrain at 10-25 °C ambient temperature

³ With an observation period of 10,000 shifts, in 50 % of all shifts the crane can operate in “unplugged” mode for approx. 8 hours at an ambient temperature of 10-25 °C.



Technical description



Drive system

Max. drive power	255 kW (45°C temperature of cooling water)
Battery type	High Performance Battery System
Technology	Li-Ion NMC (nickel manganese cobalt)
Gross battery capacity	196 kWh
Max. charging power	40 kW (CEE socket 63 A/400 VAC) 20 kW (CEE socket 32 A/400 VAC)
Option	80 kW (CEE socket 125 A/400 VAC)
Mains voltage	400 VAC (3 phase + N + PE)



Noise measurement data and vibration

Noise emission	according to 2000/14/EC directive
Emission sound pressure level L _{PA}	72 dB(A) (in the cabin)
Guaranteed sound power level L _{WA}	105 dB(A) (of the machine)
Vibration transmitted to the machine operator	< 8.20 ft/s ² (to the hand-arm system) < 1.64 ft/s ² (to the whole body)



Hydraulic system

Hydraulic pumps	double axial displacement pump in open loop hydraulic system allows all functions to be operated simultaneously automatic working pressure cut-off to minimize peak pressure
Hydraulic oil tank capacity	172 gal
Max. working pressure	5,076 PSI
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 simultaneously thanks to electro-hydraulic proportional control, all categories of loads can be positioned with utmost precision



Crawlers

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	0-0.994 mph
Flat track pads	width 3.9 ft



Swing gear

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	0-1.8 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



Hoisting gear

Standard crane winches 1+2	internal low-maintenance planetary gearbox in 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 7 th layer	26,977 lbf
Rope diameter	26 mm
Drum diameter	1.9 ft
Rope speed	0-446 ft/min
Rope capacity in 7 layers	1604 ft
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)



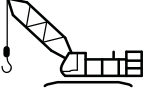
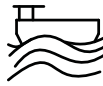
Boom/jib luffing winches

Main boom	
Line pull	max. 40,466 lbf
Rope diameter	24 mm
Boom luffing	15-86° in 169 s
Jib	
Line pull	max. 23,605 lbf
Rope diameter	20 mm
Jib luffing	15-78° in 51 s

Operating weight

Composition of operating weight	basic machine with crawlers winches 1+2 (incl. ropes), A-frame 66 ft main boom, consisting of boom foot (33 ft), boom head (23 ft) and boom section (10 ft) 181,440 lbs rear counterweight (12×11,000 lbs + 1×26,500 lbs + 1×22,000 lbs + 660 lbs) 79,800 lbs carbody counterweight (2×21,600 lbs + 2×18,300 lbs) 551,200 lbs pulley block
Total weight	approx. 467,380 lbs

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 with free fall
Painting in customer design
Load hook 27,560 / 88,100 / 176,300 / 220,400 / 352,700 / 551,200 lbs
Charging power 80 kW (125 A / 400 VAC)

Boom/jib

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 10 / 20 / 40 ft
Walkways for main boom sections 10 / 20 / 40 ft, 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 4,409 lbf free fall
Main winch constant tension for one winch
Two hook operation

Cabin elevator 20 ft 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

Cold package -25°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 Assistant
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 1.9 ft
Additional access ladder for boom assembly
Railings on rooftop foldable
Railings for cabin platform
Cabin protection roof, FOPS level 1
Vandalism cabin protection
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
Access control

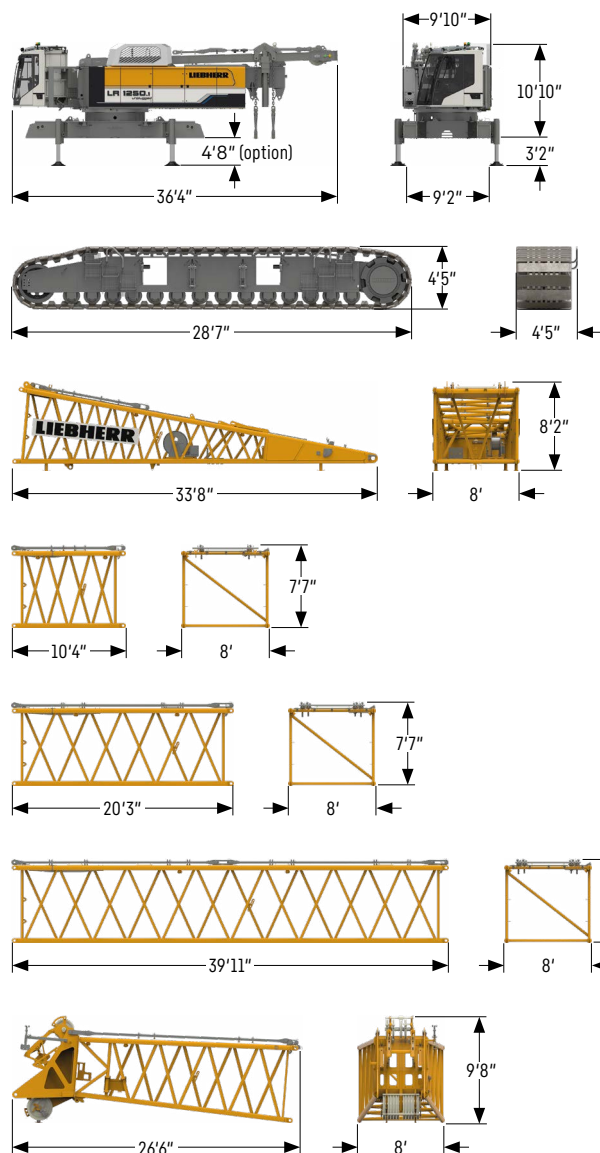
Operator's comfort

Additional access ladder
Additional floodlights
Cabin air conditioner
Cabin tilting device hydraulic
Gear oil level warning
Litronic additional language
Jump-start socket (NATO type)

(S) standard, (O) option

Transport dimensions and weights

Basic machine and main boom 2320.xx



Basic machine

Weight without hoist rope	lbs	91,933
Weight of hoist ropes	lbs/ft	2.28
with A-frame 1, winches 1+2 (2x 26,977 lbf), without boom foot, without rear counterweight, without carbody counterweight and crawler side frames		

Crawler side frame

Weight flat track pads 3.9 ft	lbs	43,338
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Boom foot 33 ft (No. 2320.25)

Weight including winch	lbs	10,642
Weight without winch	lbs	8,239

Jib section 10 ft (No. 2320.23)

Weight including boom pendants	lbs	1,920
Weight including boom and jib pendants	lbs	1,894

Jib section 20 ft (No. 2320.23)

Weight including boom pendants	lbs	2,963
Weight including boom and jib pendants	lbs	3,300

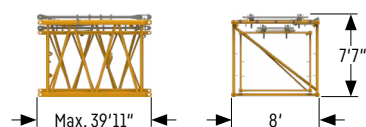
Jib section 40 ft (No. 2320.23)

Weight including boom pendants	lbs	5,366
Weight including boom and jib pendants	lbs	6,034

Jib head 23 ft (No. 2320.23)

Weight including boom pendants	lbs	7,965
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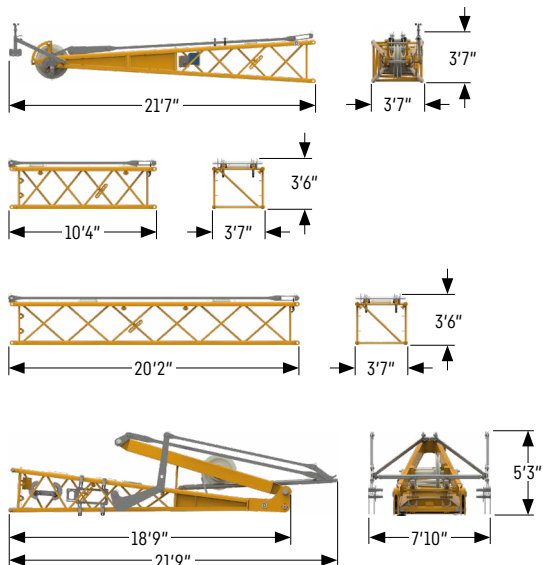
Transport option 2320.xx / 1916.xx



Transport option (No. 2320.xx / 1916.xx)

No. 2320.xx / 1916.xx	ft	10 / 10	20 / 20	40 / 40
Weight including pendants	lbs	3,202	4,912	8,878

Fixed jib 1008.xx



Jib head 18 ft (No. 1008.20)

Weight including pendants	lbs 1,925
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Jib section 10 ft (No. 1008.17)

Weight including pendants	lbs 589
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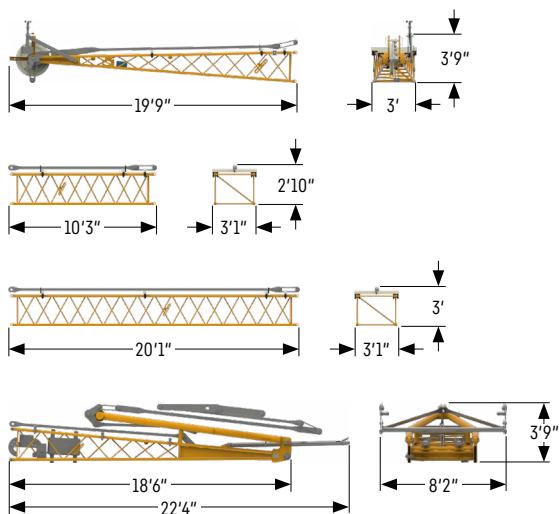
Jib section 20 ft (No. 1008.17)

Weight including pendants	lbs 988
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Jib foot 18 ft with A-frame (No. 1008.20)

Weight including pendants	lbs 4,652
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Fixed jib 0806.xx



Jib head 18 ft (No. 0806.16)

Weight including pendants	lbs 974
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Jib section 10 ft (No. 0806.15)

Weight including pendants	lbs 311
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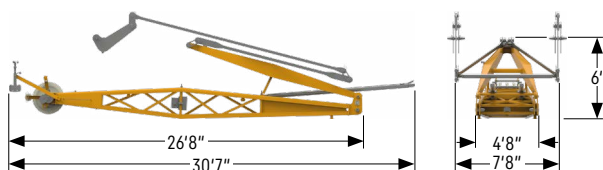
Jib section 20 ft (No. 0806.15)

Weight including pendants	lbs 549
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Jib foot 18 ft with A-frame (No. 0806.16)

Weight including pendants	lbs 2,242
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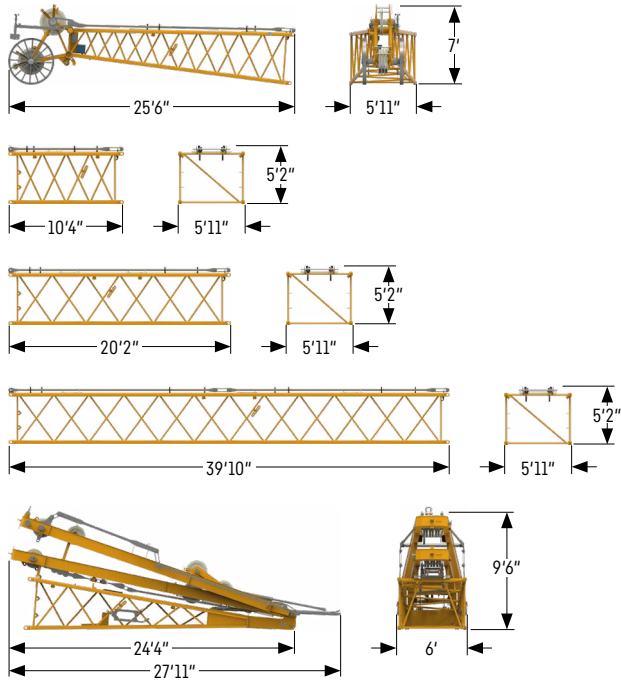
Fixed jib 0906.21



Fixed jib 23 ft (No. 0906.21)

Weight including pendants	lbs 5,320
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Luffing jib 1713.xx



Jib head 23 ft (No. 1713.21)

Weight including pendants	lbs 3,034
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Jib section 10 ft (No. 1713.18)

Weight including pendants	lbs 869
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Jib section 20 ft (No. 1713.18)

Weight including pendants	lbs 1,376
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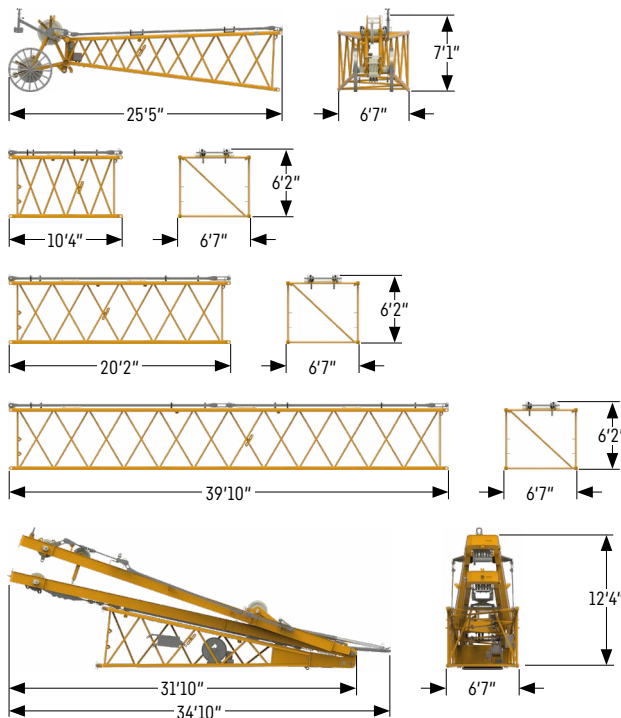
Jib section 40 ft (No. 1713.18)

Weight including pendants	lbs 2,474
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Jib foot 23 ft with A-frames 2 + 3 (No. 1713.22)

Weight including pendants	lbs 10,501
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Luffing jib 1916.xx



Jib head 23 ft (No. 1916.21)

Weight including pendants	lbs 3,351
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Jib section 10 ft (No. 1916.18)

Weight including pendants	lbs 1,089
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Jib section 20 ft (No. 1916.18)

Weight including pendants	lbs 1,612
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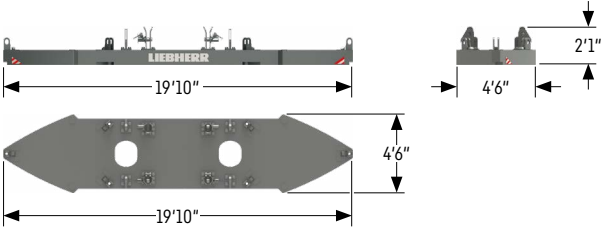
Jib section 40 ft (No. 1916.18)

Weight including pendants	lbs 2,837
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Jib foot 23 ft with A-frames (No. 1916.22)

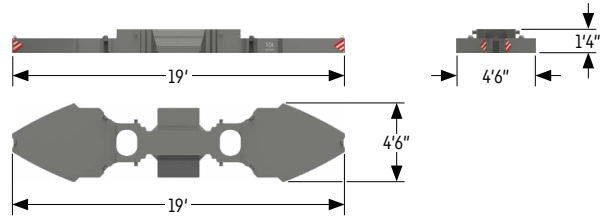
Weight including pendants	lbs 13,750
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Counterweight



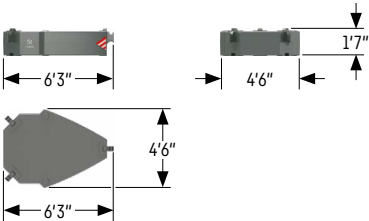
Basic counterweight slab without tie-down (1x)

Weight	lbs 26,500
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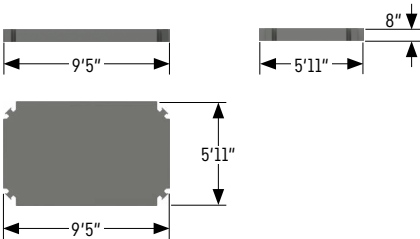
Basic counterweight slab without tie-down (1x)

Weight	lbs 22,000
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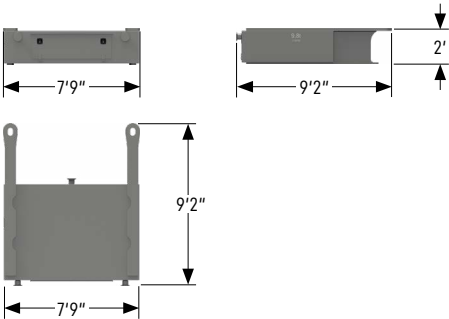
Counterweight slab (12x)

Weight	lbs 11,000
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Carbody counterweight slab (2x)

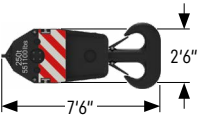
Weight	lbs 18,300
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Carbody counterweight (2x)

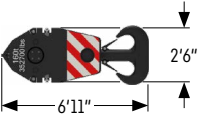
Weight	lbs 21,600
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Pulley block with additional weights / load hooks



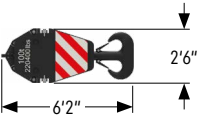
551,200 lbs pulley block – 11 pulleys

Width	4'1"
Weight	lbs 5,070 / 7,055



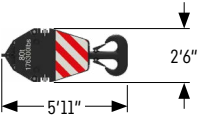
352,700 lbs pulley block – 7 pulleys

Width	2'11"
Weight	lbs 3,307 / 4,960 / 6,614



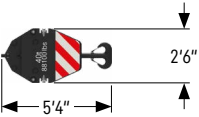
220,400 lbs pulley block – 5 pulleys

Width	2'5"
Weight	lbs 2,866 / 3,968 / 5,071



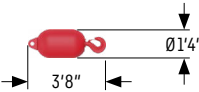
176,300 lbs pulley block – 3 pulleys

Width	1'10"
Weight	lbs 2,205 / 3,307 / 4,409



88,100 lbs pulley block – 1 pulley

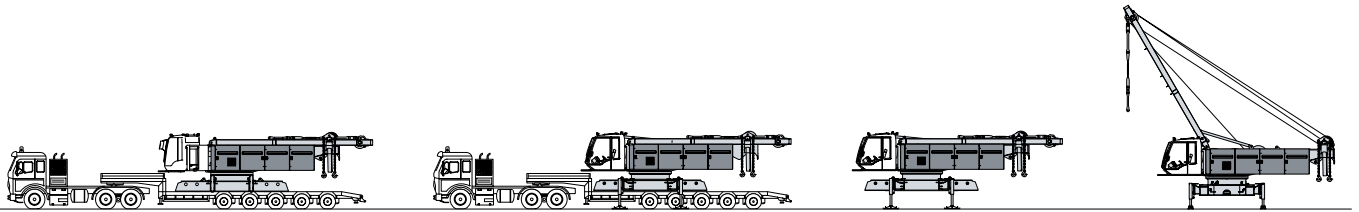
Width	1'7"
Weight	lbs 1,543 / 2,425 / 3,307



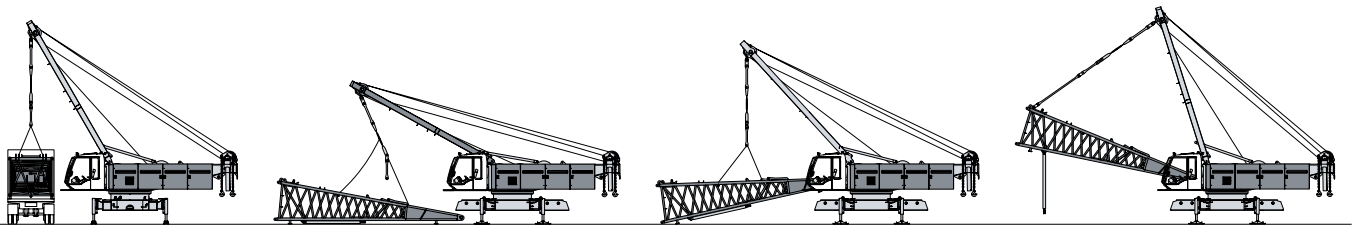
27,560 lbs load hook

Weight	lbs 1,323
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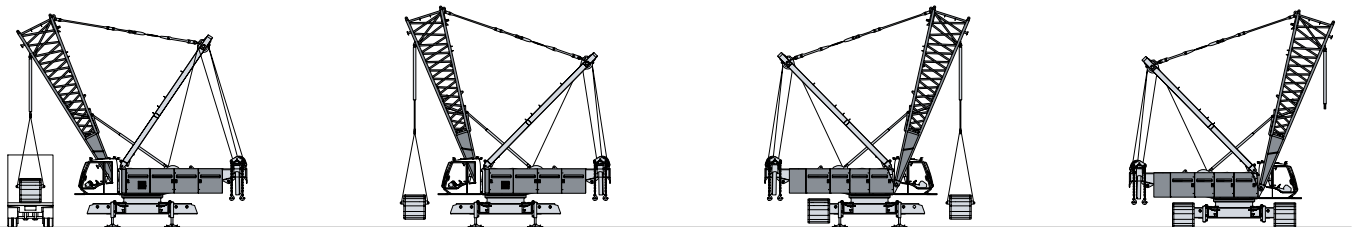
Self-assembly system



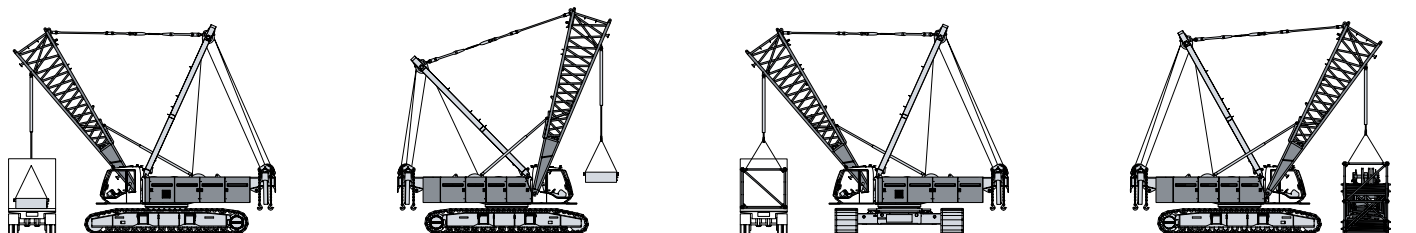
Unloading of basic machine



Unloading and assembly of boom foot



Unloading and assembly of crawler side frames

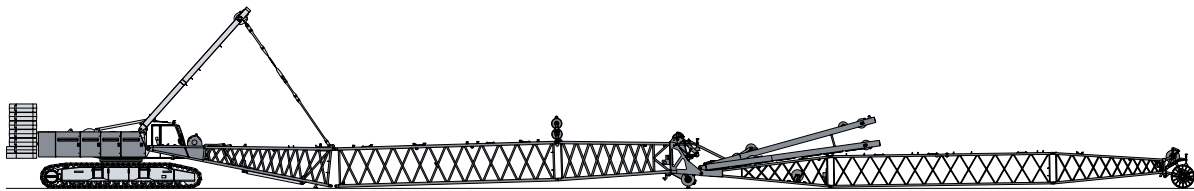


Unloading and assembly of carbody counterweight

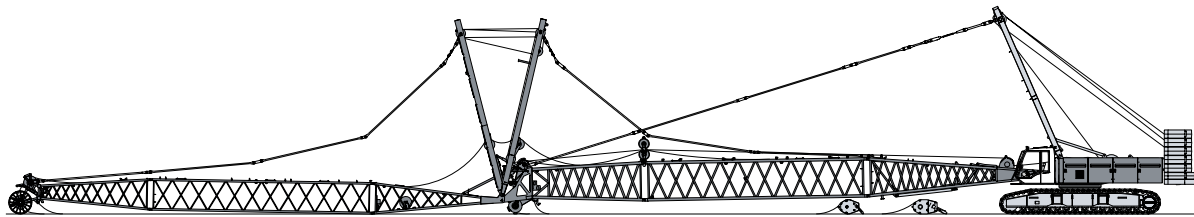
Unloading and assembly of boom



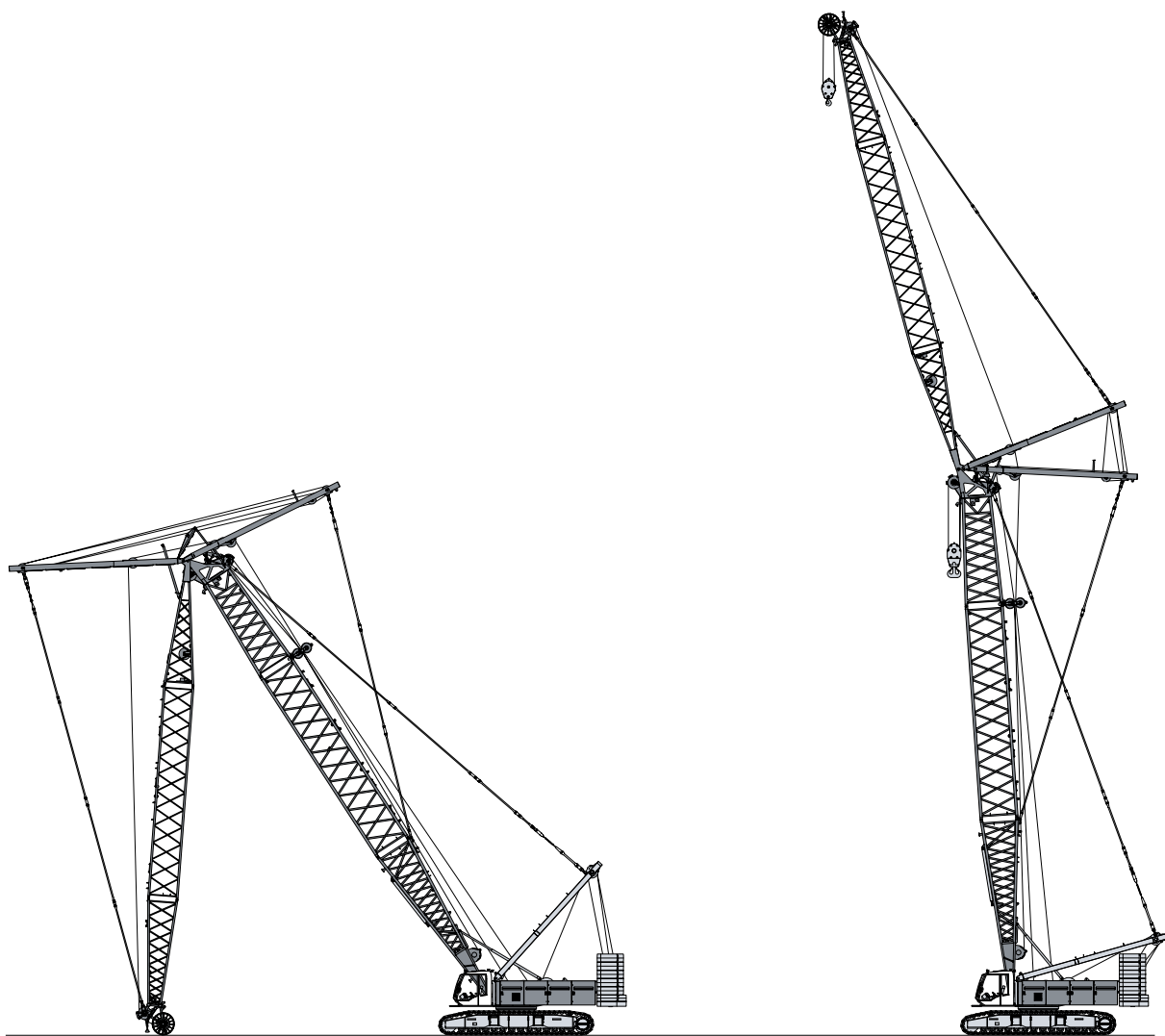
Unloading and assembly of rear counterweight



Assembly of boom

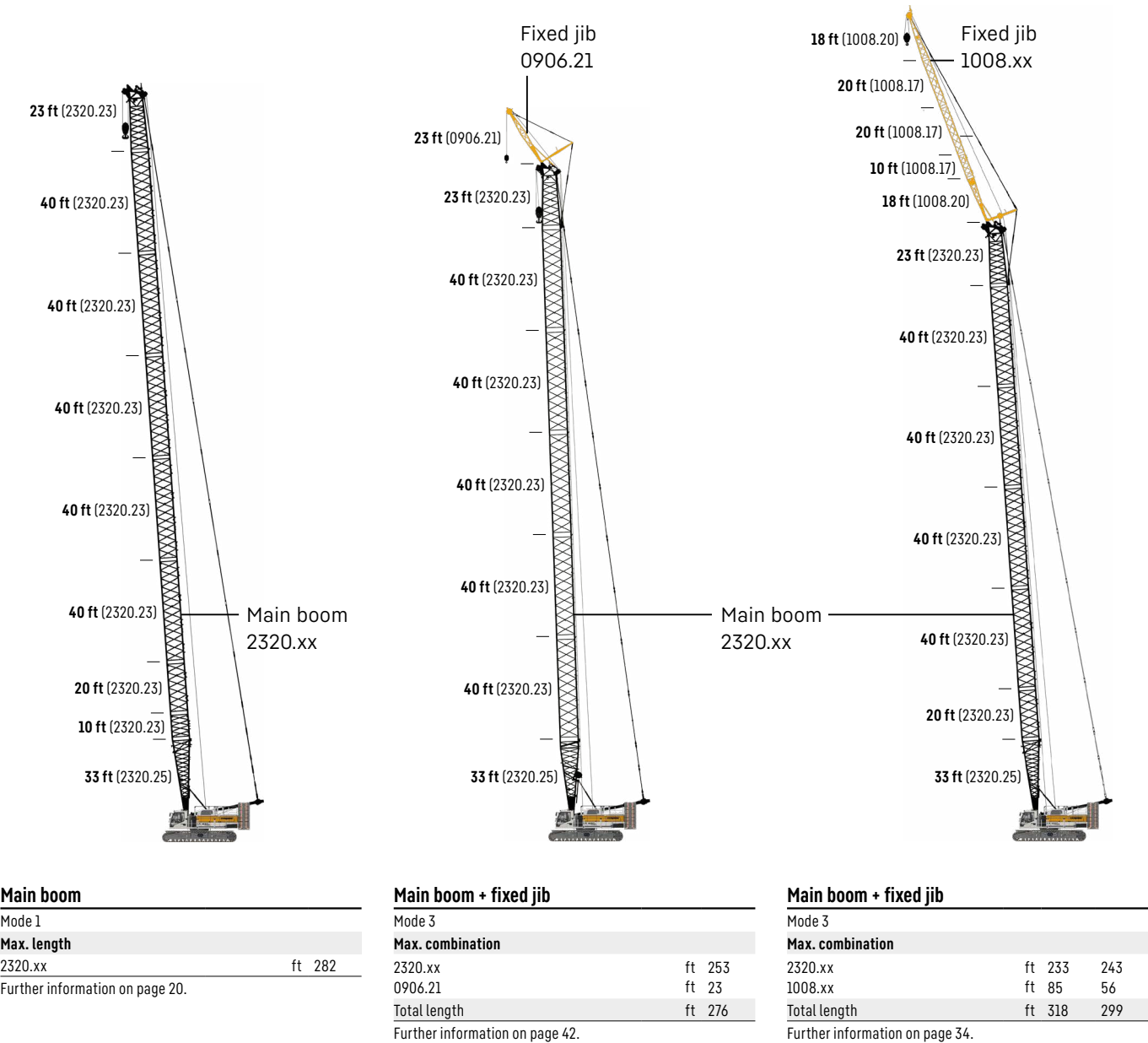


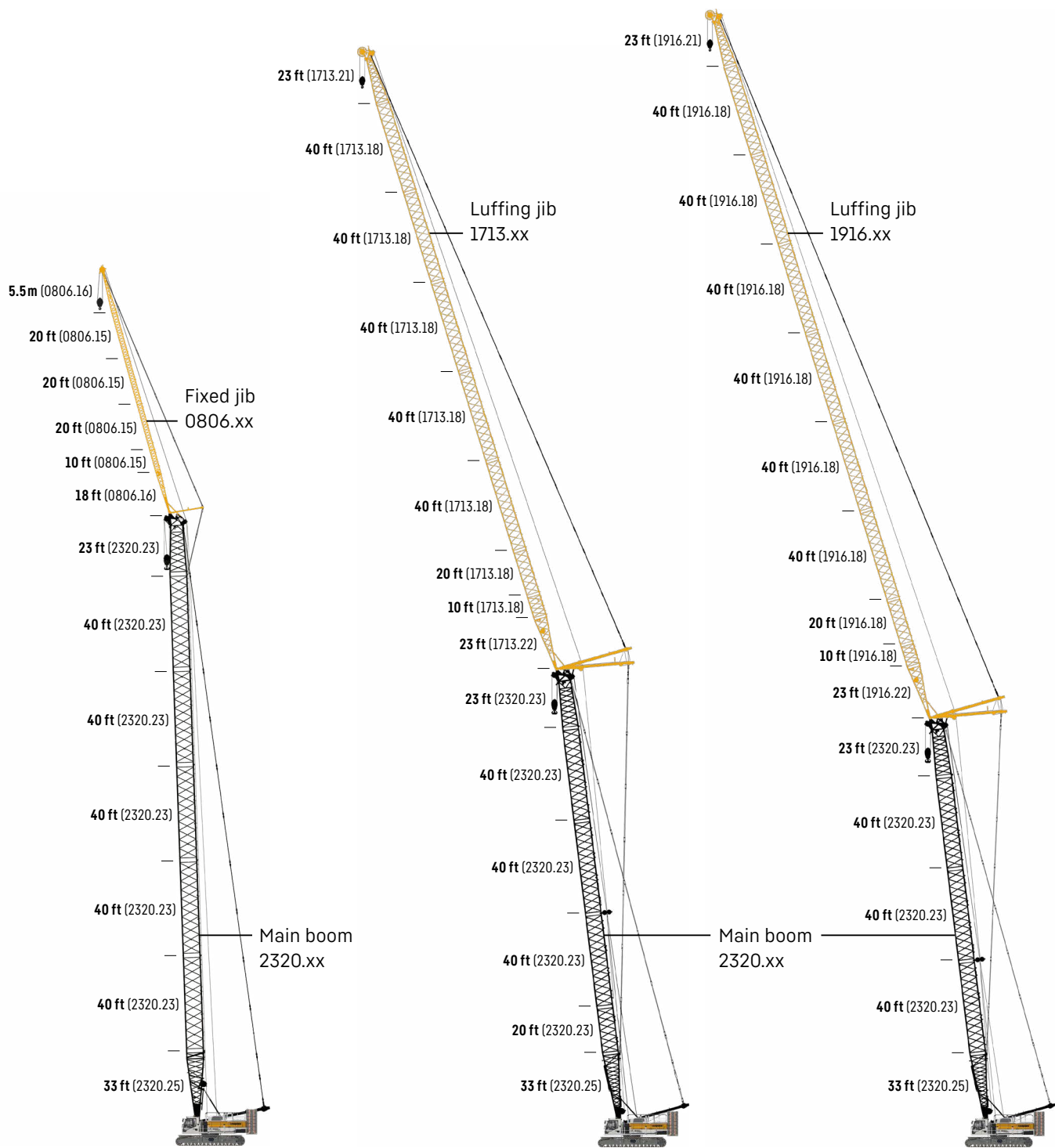
Reeving of hoist and luffing jib ropes



Erecting of main boom and luffing jib

Boom combinations





Main boom + fixed jib

Mode 3

Max. combination

2320.xx	ft	253	262
0806.xx	ft	105	76
Total length	ft	358	338

Further information on page 38.

Main boom + luffing jib

Mode 4

Max. combination

2320.xx	ft	194	203	213
1713.xx	ft	272	213	144
Total length	ft	466	416	357

Further information on page 22.

Main boom + luffing jib

Mode 4

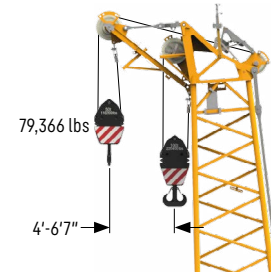
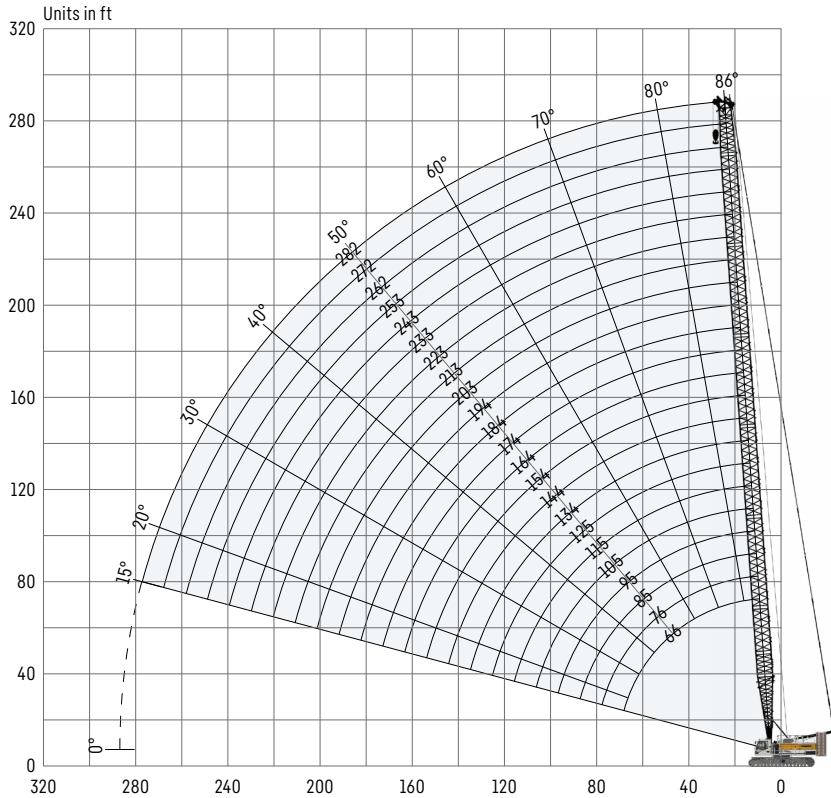
Max. combination

2320.xx	ft	174	184	194
1916.xx	ft	312	243	174
Total length	ft	486	427	368

Further information on page 28.

Main boom 2320.xx

Boom lengths 66-282 ft



Auxiliary jib 79,366 lbs (option)

The maximum capacity of the auxiliary jib is 79,366 lbs. The corresponding load chart is programmed in the LML system.

Main boom configuration 2320.xx

Boom section	Amount of boom sections											
Boom foot 33 ft	1	1	1	1	1	1	1	1	1	1	1	1
Boom section 10 ft	1		1		1		1		1		1	
Boom section 20 ft		1	1			1	1			1	1	
Boom section 40 ft				1	1	1	1	2	2	2	2	3
Boom head 23 ft	1	1	1	1	1	1	1	1	1	1	1	1
Boom length [ft]	66	76	85	95	105	115	125	134	144	154	164	174
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Boom foot 33 ft	1	1	1	1	1	1	1	1	1	1	1	
Boom section 10 ft	1		1		1		1		1		1	
Boom section 20 ft		1	1			1	1			1	1	
Boom section 40 ft	3	3	3	4	4	4	4	5	5	5	5	
Boom head 23 ft	1	1	1	1	1	1	1	1	1	1	1	
Boom length [ft]	184	194	203	213	223	233	243	253	262	272	282	
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓				

Load capacities with main boom

Load capacities in 1000 lbs

	Boom length [ft]											
	66	85	105	125	144	164	184	203	223	243	262	282
15	484.9	434.1										
20	416.2	395.0	363.3	318.4	279.9							
25	339.4	336.7	320.8	297.5	270.7	234.9	202.8	174.4	148.3			
30	254.4	254.5	276.7	266.9	248.0	224.2	195.7	170.1	147.0	127.7	111.4	94.4
35	201.6	219.3	219.2	218.9	218.6	209.0	187.1	166.1	145.1	125.4	109.8	93.9
40	181.1	181.0	180.9	180.4	180.1	179.6	179.1	161.6	142.2	123.5	108.3	93.0
45	153.8	153.7	153.5	153.0	152.5	152.0	151.5	150.9	139.4	121.2	106.5	92.0
50	133.2	133.1	132.9	132.4	131.9	131.3	130.7	130.1	129.5	119.4	104.8	90.4
55	117.2	117.1	116.9	116.3	115.8	115.2	114.6	113.9	113.3	112.6	103.4	89.0
60	104.3	104.3	104.1	103.5	103.0	102.3	101.7	101.0	100.3	99.6	99.0	87.0
65	93.7	93.8	93.6	93.0	92.5	91.8	91.1	90.4	89.7	89.0	88.3	85.9
70	26.6	85.0	84.8	84.2	83.7	83.0	82.3	81.6	80.9	80.1	79.4	78.6
75		77.6	77.4	76.8	76.3	75.5	74.9	74.1	73.4	72.6	71.9	71.1
80		71.1	71.0	70.4	69.9	69.1	68.5	67.7	67.0	66.2	65.5	64.7
85		65.5	65.5	64.9	64.4	63.6	62.9	62.2	61.4	60.6	59.9	59.1
90			60.6	60.1	59.5	58.8	58.1	57.3	56.6	55.7	55.0	54.2
95			56.3	55.8	55.2	54.5	53.8	53.0	52.3	51.4	50.7	49.8
100			52.4	52.0	51.4	50.7	50.0	49.2	48.4	47.6	46.8	46.0
105			48.9	48.6	48.0	47.3	46.6	45.8	45.0	44.2	43.4	42.5
110				45.5	44.9	44.2	43.5	42.7	41.9	41.1	40.3	39.4
115				42.6	42.2	41.4	40.7	39.9	39.1	38.3	37.5	36.6
120				40.1	39.6	38.9	38.2	37.4	36.6	35.8	35.0	34.1
125				37.7	37.3	36.6	35.9	35.1	34.3	33.4	32.6	31.8
130					35.1	34.4	33.8	32.9	32.2	31.3	30.5	29.6
135					33.2	32.5	31.8	31.0	30.2	29.3	28.5	27.7
140					31.3	30.7	30.0	29.2	28.4	27.5	26.7	26.0
145					29.6	29.0	28.3	27.5	26.7	26.0	25.2	24.3
150						27.4	26.7	26.1	25.3	24.4	23.6	22.7
155						26.0	25.4	24.6	23.8	23.0	22.2	21.3
160						24.6	24.0	23.2	22.5	21.6	20.8	19.9
165						23.3	22.7	22.0	21.2	20.3	19.5	18.6
170							21.5	20.8	20.0	19.1	18.3	17.4
175							20.4	19.6	18.9	18.0	17.2	16.3
180							19.3	18.6	17.8	17.0	16.1	15.3
190								16.6	15.9	15.0	14.2	13.3
195								15.7	15.0	14.1	13.3	12.4
200								14.8	14.1	13.3	12.5	11.6
210									12.5	11.7	10.9	10.0
215									11.7	10.9	10.1	9.3
220									11.0	10.2	9.4	8.6
230										8.9	8.1	7.3
240										7.7	6.9	6.1
250											5.8	5.0
260											4.7	3.9
275												2.5

Carbody counterweight: 79,800 lbs

Rear counterweight:

137,300 lbs

159,400 lbs

181,400 lbs



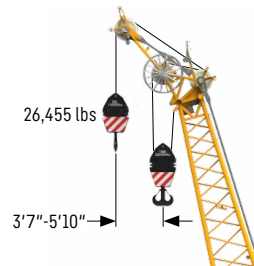
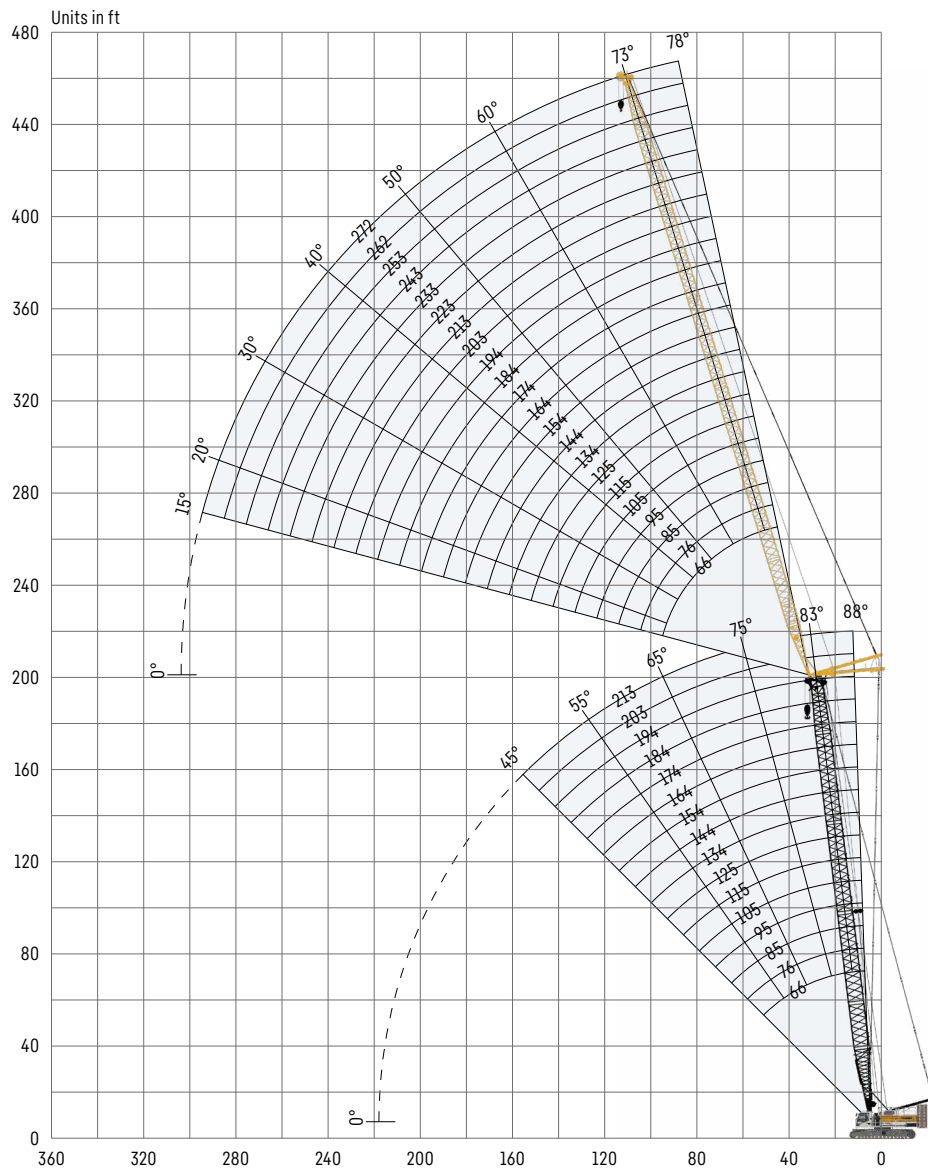
TLT 13639072. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.

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Luffing jib 1713.xx

Jib lengths 66-272 ft



Auxiliary jib 26,455 lbs (option)
The maximum capacity of the auxiliary jib is 26,455 lbs.

Jib configuration 1713.xx

Jib section	Amount of jib sections																					
Jib foot 23 ft	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Jib section 10 ft		1		1		1		1		1		1		1		1		1		1		
Jib section 20 ft	1	1			1	1			1	1			1	1			1	1			1	1
Jib section 40 ft			1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
Jib head 23 ft	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Jib length [ft]	66	76	85	95	105	115	125	134	144	154	164	174	184	194	203	213	223	233	243	253	262	272
Auxiliary iib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Actual lengths of boom sections are metric (e.g. 3m, 6m). The figures shown above are approximate conversions to feet.
For main boom configuration please refer to the table on page 20.

Load capacities with luffing jib

Load capacities in 1000 lbs with 66 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 105 ft				Jib length 144 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
30	132.3											
35	129.5				118.0							
40	106.5	128.5			102.0							
45	92.6	109.3			86.8				81.1			
50	79.6	94.6			77.7	88.1			72.4			
55	71.9	81.3	104.9		68.0	78.4			64.6			
60	64.2	73.5	91.2		60.8	69.1			57.5			
65	58.0	65.6	79.1		55.0	61.5			53.0	57.6		
70	49.5	59.3	71.9		50.7	55.7			48.6	51.6		
75	26.6	52.4	64.5		46.1	51.5	60.1		44.2	47.1		
80		26.6	58.8	72.1	42.6	47.0	54.1		40.8	42.9		
85			53.3	64.6	39.5	43.5	50.3		37.6	39.7		
90			26.6	58.2	36.7	40.2	46.0		34.8	36.8	43.1	
95				53.7	34.3	37.4	42.6		32.2	34.1	39.9	
100				49.0	31.8	34.9	39.2	46.2	30.1	31.7	36.7	
110				49.0	31.8	34.9	39.2	46.2	30.1	31.7	36.7	
120							30.1	34.1	25.2	26.6	28.2	
130								30.5	22.5	24.2	26.5	27.9
140									19.7	21.7	23.4	26.6
150									16.7	19.4	21.2	23.5
160											19.1	21.3
170												19.4
	Jib length 184 ft				Jib length 223 ft				Jib length 272 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
55	51.5											
70	43.6				32.8				19.5			
75	40.5	44.5			32.0				19.3			
85	34.7	37.5			30.3	30.5			18.1			
90	32.0	34.8			29.7	30.2			17.7			
100	28.0	29.9			26.3	27.9			16.6	17.0		
105	26.6	28.2	30.7		24.9	26.6			16.2	16.8		
115	24.8	26.6	27.8		22.6	23.9			15.5	15.9		
120	23.2	25.0	26.6		21.7	22.6			15.1	15.6		
130	20.7	22.1	24.5		19.1	20.4	22.4		14.3	14.7		
140	18.6	19.9	21.6		16.9	18.0	19.7		13.8	14.0		
150	16.7	17.9	19.5	21.5	15.0	16.0	17.6		12.4	13.3	14.3	
160	15.1	16.1	17.3	19.2	13.5	14.4	15.6		11.0	11.8	12.9	
170	13.5	14.7	15.5	17.3	12.1	12.9	14.1	15.3	9.7	10.4	11.8	
180	12.0	13.2	14.1	15.5	10.8	11.5	12.5	13.8	8.6	9.2	10.4	
190		11.7	12.8	14.1	9.6	10.3	11.1	12.3	7.7	8.3	9.0	
200			11.5	12.9	8.6	9.3	9.8	11.0	6.7	7.2	7.9	8.7
220					6.6	7.3	8.0	8.7	4.9	5.4	5.9	6.7
240							6.2	7.2	3.5	4.0	4.2	4.9
260									2.2	2.7	3.0	3.5
270										2.0	2.4	3.0
285												2.2

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



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Load capacities with luffing jib

Load capacities in 1000 lbs with 95 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 105 ft				Jib length 144 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
30	132.3											
40	114.5				105.9							
45	99.2	127.2			93.2				75.9			
50	85.2	107.9			81.1				72.9			
55	76.7	94.1			72.6	88.6			68.9			
60	68.5	81.6			64.5	78.6			61.0			
70	55.5	66.3	87.1		53.0	62.1			51.6	58.5		
80		54.6	71.0		45.4	52.3	64.7		43.2	48.8		
85			64.1		42.1	47.9	59.3		40.0	44.5		
90			58.6	60.8	39.0	44.4	54.1		36.9	41.4		
95			53.0	57.0	36.4	41.2	50.2		34.2	38.2		
100				53.6	34.2	38.3	46.2		32.0	35.4	42.9	
110				47.8	29.8	33.7	39.5		28.3	30.9	36.9	
115						31.5	36.8	44.4	26.7	29.2	34.2	
120						29.2	34.5	42.2	26.6	27.5	31.8	
130							30.6	36.8	23.9	26.5	28.3	
140								32.8	21.5	23.8	26.3	30.2
150								29.0	19.1	21.4	23.4	26.8
160										18.9	21.4	25.4
170											19.3	22.9
180												20.9
185												19.9
	Jib length 184 ft				Jib length 223 ft				Jib length 272 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
55	48.8											
70	43.9				31.8							
85	37.1	41.9			29.4				17.5			
95	31.9	36.0			28.0	29.4			16.6			
100	30.0	33.3			26.4	28.4			16.1			
115	25.1	27.3	31.7		22.7	24.9			15.1	15.6		
130	22.0	23.6	26.6		19.3	22.3	24.2		14.0	14.6		
140	19.8	21.3	24.2		17.4	19.7	23.0		13.5	13.9		
150	17.9	19.2	21.7		15.9	17.6	20.3		12.6	13.4	13.7	
170	14.7	15.8	17.5	20.8	13.1	14.3	16.2		10.1	11.0	12.7	
180	13.2	14.3	15.8	18.8	11.7	12.8	14.7	16.1	9.2	10.0	12.2	
190	11.6	12.8	14.5	16.8	10.5	11.5	13.1	15.2	8.5	9.2	10.8	
200			13.2	15.3	9.5	10.4	11.6	13.5	7.5	8.3	9.5	
215				13.4	7.9	8.9	9.8	11.5	6.1	6.8	8.0	9.4
230						7.3	8.5	9.7	4.9	5.5	6.4	7.6
240							7.6	8.8	4.2	4.8	5.5	6.8
250							6.6	8.0	3.5	4.1	4.7	5.8
260								7.2	2.8	3.5	4.0	5.0
270									2.2	2.8	3.5	4.3
280										2.1	2.9	3.7
290											2.3	3.2
310												2.1

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



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Load capacities with luffing jib

Load capacities in 1000 lbs with 134 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 105 ft				Jib length 144 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
30	132.3											
40	121.8				99.7							
45	104.1				94.8				67.9			
50	89.5	127.1			83.3				67.5			
55	79.1	108.1			76.0				66.0			
60	70.8	94.3			67.1	88.4			60.9			
70	57.7	74.4			54.8	69.6			53.0	62.0		
80		60.6	71.1		46.9	56.7			44.5	53.2		
85		55.0	66.1		43.4	52.6			41.3	49.9		
90			61.7		403.0	48.2	60.6		38.2	45.5		
95			57.8		37.5	44.7	56.8		35.3	42.2		
100			54.4		35.2	41.5	53.4		32.9	39.1		
110				44.2	30.8	36.2	46.9		29.2	33.7	44.2	
115				41.9	26.6	34.0	43.5		27.5	31.6	40.6	
120				39.8		31.8	40.1		26.6	29.8	37.8	
130				26.6			35.0	35.0	24.3	26.6	32.7	
140							31.1	32.0	22.1	25.3	29.1	
150								29.4	19.8	22.9	26.6	28.2
160								27.1		20.4	24.5	26.0
170											22.3	24.1
180											20.1	22.3
205												18.7
	Jib length 184 ft				Jib length 223 ft				Jib length 272 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
55	45.3											
70	42.7				30.1							
85	38.4	41.4			28.2				16.6			
95	33.0	38.3			27.2	27.6			15.9			
100	30.9	36.2			26.1	27.3			15.5			
115	25.5	29.5			22.9	25.4			14.6	15.3		
130	21.4	24.3	30.6		19.9	22.2			13.5	14.3		
140	19.5	21.8	26.8		17.7	20.2	23.1	0.0	13.0	13.7		
150	17.9	19.8	24.7		15.8	17.9	22.9	0.0	12.4	13.1		
170	15.2	16.6	20.3		12.9	14.9	18.2	0.0	10.2	11.4	12.9	
180	13.7	15.3	18.2	21.2	11.7	13.5	16.3	0.0	9.3	10.5	12.4	
190	12.1	13.8	16.4	19.7	10.7	12.2	14.9	0.0	8.5	9.7	11.9	
200		12.3	15.0	18.3	9.9	11.1	13.3	16.0	7.5	9.0	10.6	
215			13.0	15.8	8.3	9.6	11.2	14.0	6.2	7.6	9.0	
230				13.9		8.1	9.6	12.0	5.1	6.2	7.7	9.5
245							8.3	10.1	4.2	5.0	6.2	8.1
260							6.9	8.8	3.1	4.0	4.9	6.7
275								7.6	2.1	3.0	4.0	5.3
290											3.1	4.2
300											2.5	3.7
310												3.2
325												2.4

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



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Load capacities with luffing jib

Load capacities in 1000 lbs with 164 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 105 ft				Jib length 144 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
30	128.0											
40	116.1				86.5							
45	104.4				84.3							
50	94.2	123.1			80.6				58.9			
55	80.4	119.1			77.5				57.7			
60	73.1	103.9			68.3				56.4			
70	59.6	79.2			55.9	75.6			53.1			
80		65.0			47.7	60.8			44.8	56.7		
85		59.3	63.5		44.2	55.2			41.9	52.8		
90		53.6	59.3		41.0	50.3			38.8	48.4		
100			52.3		35.8	43.3	51.1		33.5	41.4		
110			46.6		31.5	37.6	45.6		29.6	35.4		
120				36.8		33.3	41.1		26.4	31.0	39.9	
130				33.4		29.0	37.2		23.7	27.7	36.1	
140				30.4			33.8	29.3	21.4	24.8	31.7	
150							30.2	26.9	19.2	22.5	28.3	
160								24.8		20.5	26.6	
170								23.0			23.9	21.8
180								21.3			21.8	20.2
190											19.7	18.8
200												17.5
215												15.8
	Jib length 184 ft				Jib length 223 ft				Jib length 272 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
55	40.7											
70	39.1				28.0							
85	36.6	39.5			26.7				15.2			
95	32.5	38.4			25.8				14.7			
100	30.9	37.5			25.2	26.7			14.4			
115	25.9	30.8			22.6	25.4			13.7	14.3		
130	21.7	25.6	31.3		20.2	22.6			12.9	13.7		
140	19.6	22.7	29.7		17.9	21.1			12.4	13.2		
150	17.8	20.5	26.2		16.0	18.7	22.7		12.0	12.6		
160	16.1	18.6	23.1		14.6	16.7	21.5		11.0	12.2		
170	14.7	16.9	21.5		13.1	15.1	18.9		10.1	11.4	12.2	
180	13.3	15.9	19.7		11.8	13.7	16.9		9.3	10.4	12.1	
190	12.1	14.5	17.8	17.6	10.6	12.3	15.2		8.6	9.6	11.6	
200		13.1	16.1	16.3	10.0	11.3	14.5		7.7	8.9	11.2	
210			14.8	15.2	9.0	10.5	13.0	14.0	6.7	8.2	10.1	
220			13.5	14.2	7.9	9.6	11.6	13.0	5.8	7.3	9.2	
240				12.4		7.4	9.5	11.2	4.6	5.6	7.6	9.2
260							7.7	9.8	3.3	4.3	5.7	7.9
280								8.3		3.0	4.2	6.1
300											3.0	4.5
320												3.4
340												2.3

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



TLT 13639072. 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.

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Load capacities with luffing jib

Load capacities in 1000 lbs with 213 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 85 ft				Jib length 105 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
35	85.1											
40	82.5				72.4				62.6			
45	79.4				70.2				61.5			
50	76.9				68.0				59.8			
55	73.9	84.7			65.7				58.3			
60	71.2	83.1			63.5				56.4			
70	61.3	78.1			57.9	69.5			52.8	61.2		
80	26.6	71.3			49.9	64.7			46.7	58.2		
85		65.3			46.3	60.7			44.5	56.8		
90		60.4			43.5	57.7			41.4	54.1		
95		54.8	51.2		40.1	53.2			38.6	49.9		
100			48.2			49.0			36.4	46.5		
110			43.0			42.7	42.5		32.2	40.9	42.0	
115			40.7			39.3	40.2		30.0	38.2	39.5	
120			38.7				38.2			36.0	37.6	
140				25.7			31.7				31.1	
150				23.6				23.0			28.5	
160				21.7				21.2			26.3	20.4
170								19.6				18.9
180								18.1				17.5
190												16.3
195												15.7
	Jib length 125 ft				Jib length 144 ft				Jib length 164 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
45	53.2											
50	52.1				45.4							
60	49.6				43.6				38.0			
70	44.3				41.8				36.5			
80	40.0	51.3			37.0	44.5			34.4			
90	37.8	48.1			33.9	43.2			30.2	37.8		
100	35.6	44.7			31.7	40.3			27.6	36.3		
110	31.5	39.2			30.0	37.2			26.2	33.6		
120	28.1	35.1	36.8		26.9	32.9			25.2	31.2		
130	25.2	31.1	33.5		24.1	29.7	32.8		23.2	27.8		
140		27.9	30.6		21.8	26.5	29.9		20.9	25.3	29.3	
150		24.9	28.0		19.6	23.9	27.4		19.0	22.9	26.8	
160			25.8			21.6	25.2		17.3	20.7	24.6	
170			23.9			19.3	23.3		15.5	18.9	22.7	
180			22.1	16.9			21.6			17.1	21.1	
190				15.7			20.1	15.0		15.3	19.6	
200				14.6			18.7	13.9			17.7	13.4
210				13.6				13.0			16.5	12.4
220				12.7				12.1				11.5
230								11.3				10.7
240												10.0
255												9.0

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



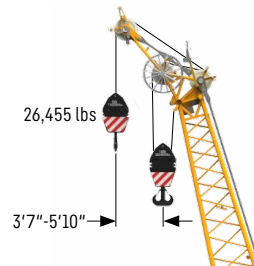
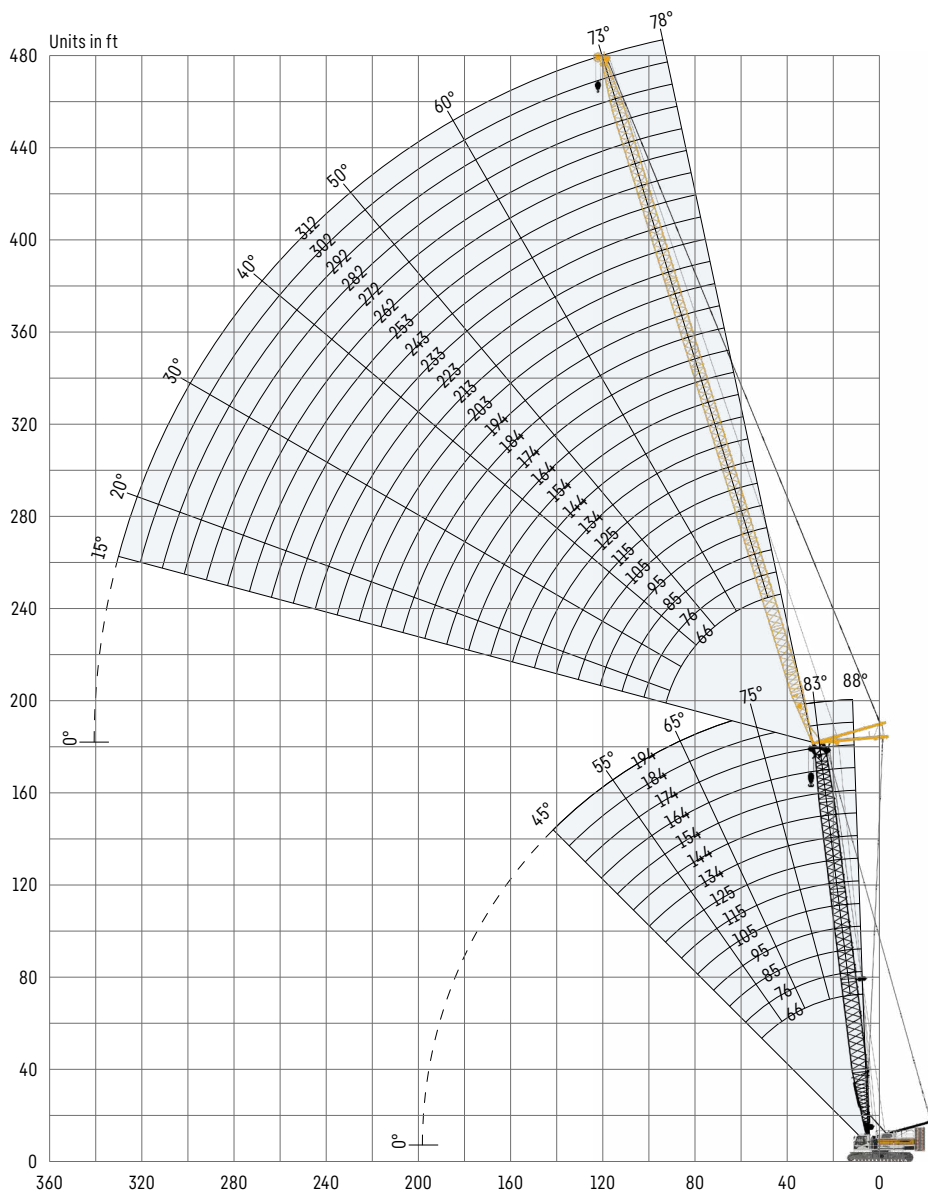
TLT 13639072. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.

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Luffing jib 1916.xx

Jib lengths 66-312 ft



Auxiliary jib 26,455 lbs (option)

The maximum capacity of the auxiliary jib is 26,455 lbs.

Jib configuration 1916.xx

Jib section	Amount of jib sections																							
Jib foot 23 ft	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 10 ft		1		1		1		1		1		1		1		1		1		1		1		1
Jib section 20 ft	1	1			1	1			1	1			1	1			1	1			1	1		1
Jib section 40 ft			1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
Jib head 23 ft	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 [ft]	66	76	85	95	105	115	125	134	144	154	164	174	184	194	203	213	223	233	243	253	262	272	282	292
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Actual lengths of boom sections are metric (e.g. 3m, 6m). The figures shown above are approximate conversions to feet.
For main boom configuration please refer to the table on page 20.

Load capacities with luffing jib

Load capacities in 1000 lbs with 66 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 115 ft				Jib length 164 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
30	155.8											
35	155.8											
40	155.8	155.8			123.4							
45	145.5	155.8			116.9							
50	128.4	140.0			110.5				79.1			
55	115.6	124.0	121.0		103.5	113.1			76.9			
60	104.4	111.2	107.8		94.8	107.1			75.0			
65	96.3	100.7	97.6		88.7	99.7			73.0			
70	78.2	91.9	89.1		81.6	91.0			71.6	73.7		
75	26.6	83.3	81.9	78.3	75.6	83.6			67.5	71.3		
80		26.6	75.7	72.9	69.4	77.3	74.6		63.6	69.9		
90			26.6	63.2	60.5	67.0	64.6		57.8	63.5		
100				55.5	53.7	59.0	56.9		51.2	58.0	55.7	
110					46.5	52.5	50.7	48.4	45.0	51.0	49.6	
120					37.1	44.6	45.6	43.5	40.6	45.0	44.5	
130							41.3	39.4	37.1	40.7	40.3	
140								35.9	34.0	36.9	36.7	34.8
150									30.6	33.9	33.6	31.9
160									26.6	30.0	30.9	29.3
170									22.5	26.6	28.5	27.1
180											26.5	25.1
195												22.5
	Jib length 213 ft				Jib length 262 ft				Jib length 312 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
60	49.4											
70	47.3				30.9							
80	45.2				29.4				18.0			
90	43.6	44.6			28.1				17.2			
100	41.8	43.0			26.9	27.6			16.5			
110	40.4	41.3			25.9	26.4			15.7	15.9		
120	37.5	40.0	40.8		24.8	25.4			15.1	15.4		
130	33.9	36.5	38.9		23.9	24.3			14.3	14.7		
140	31.0	33.6	35.3		23.2	23.6	23.9		13.7	14.1		
150	28.7	31.3	32.2		22.3	22.8	23.4		13.1	13.5		
160	26.6	28.9	29.6	27.9	21.6	22.0	22.5		12.7	13.0	13.1	
170	25.9	26.6	27.2	25.7	21.0	21.3	21.8		12.1	12.5	12.8	
180	24.0	26.0	25.3	23.8	20.4	20.7	21.1		11.6	11.9	12.2	
190	22.2	24.1	23.4	22.0	19.1	19.7	20.5	20.4	11.1	11.4	11.8	
200	19.4	21.8	21.8	20.4	17.9	18.6	19.7	19.1	10.7	11.0	11.3	
215	15.1	17.9	19.6	18.4	16.5	17.5	18.1	17.1	10.1	10.4	10.7	
230			17.7	16.6	15.3	16.5	16.5	15.3	9.3	9.7	10.1	10.3
250					11.4	13.2	14.4	13.3	8.5	8.8	9.2	9.6
270						9.6	12.5	11.5	7.6	8.1	8.5	8.8
290								10.0	5.5	6.5	7.7	8.2
310									3.6	4.9	6.7	7.3
335												6.0

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



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Load capacities with luffing jib

Load capacities in 1000 lbs with 95 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 115 ft				Jib length 164 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
30	155.8											
40	155.8				114.7							
45	152.7	155.8			111.1							
50	139.4	138.7			106.3				72.9			
60	113.4	110.2			97.8	106.3			70.2			
70	93.7	91.1	86.8		90.0	90.1			67.2	69.3		
75	75.8	83.7	79.8		84.9	82.7			65.8	68.7		
80		77.3	73.8		79.1	76.5			64.4	67.1		
90			63.9	60.1	68.5	66.3	62.7		62.2	64.4		
100				52.9	60.3	58.3	55.2		59.2	57.3		
105				49.9	56.8	55.0	52.0		55.9	53.9	50.8	
110				47.1	53.7	52.0	49.1		52.8	50.9	47.9	
120					46.7	46.7	44.2	41.1	47.5	45.7	43.0	
130						42.3	40.0	37.2	43.0	41.4	38.9	
140							36.5	33.9	39.2	37.7	35.4	
150								31.1	35.9	34.6	32.4	29.9
160								28.6	33.0	31.8	29.8	27.4
170									28.2	29.4	27.6	25.4
180											25.6	23.5
190											23.7	21.8
195												21.0
205												19.6
	Jib length 213 ft				Jib length 262 ft				Jib length 312 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
60	44.5											
70	43.5				28.2							
80	42.2				27.5				17.4			
90	41.1	42.4			26.6				16.6			
100	39.6	40.9			25.5	26.2			15.9			
110	38.3	39.5			24.6	25.4			15.1			
120	37.2	38.4			23.6	24.5			14.5	15.0		
130	36.0	37.2	37.4		22.8	23.5			13.8	14.3		
140	35.0	36.0	33.9		22.1	22.7			13.2	13.7		
150	34.1	33.3	31.0		21.4	22.0	22.6		12.7	13.1		
160	31.9	30.5	28.4		20.7	21.3	22.0		12.2	12.6		
170	29.4	28.2	26.2		20.1	20.6	21.3		11.7	12.2	12.4	
180	27.2	26.1	24.2	22.0	19.6	20.1	20.7		11.2	11.6	11.9	
190	25.4	24.2	22.5	20.3	19.2	19.6	20.1		10.8	11.2	11.4	
200	23.6	22.5	20.9	18.8	18.8	19.2	19.5		10.4	10.8	11.0	
220		19.6	18.1	16.3	18.1	18.4	16.9	14.9	9.7	10.0	10.2	
240			15.8	14.2	15.8	16.1	14.6	12.8	8.8	9.2	9.6	10.0
260					12.6	14.0	12.7	11.1	8.1	8.5	8.9	9.3
280							11.0	9.6	7.3	7.8	8.3	8.1
300								8.2	6.3	7.1	7.7	6.9
325											6.7	5.5
350												4.3

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



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Load capacities with luffing jib

Load capacities in 1000 lbs with 134 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 115 ft				Jib length 164 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
30	152.4											
40	147.0				98.9							
45	140.4				97.1							
50	132.8	136.5			94.6				61.8			
55	126.6	120.9			92.4				61.1			
60	113.5	108.4			89.3	96.8			60.3			
70	93.8	89.7			84.6	88.4			58.1			
75	83.3	82.4	76.3		80.9	81.3			57.2	62.0		
80		76.2	70.5		77.7	75.1			55.8	61.5		
90			61.1		68.5	65.1			53.8	59.7		
100			53.8		60.3	57.3	52.4		51.4	56.1		
110				43.2	53.7	51.0	46.6		49.1	49.9		
120				38.9	48.3	45.9	41.9		47.3	44.8	40.6	
130				26.6		41.5	38.0		43.0	40.5	36.7	
140							34.6	30.6	39.2	36.9	33.4	
150							31.7	28.0	35.9	33.8	30.6	
160								25.8	33.1	31.1	28.1	
170								23.8	29.9	28.8	26.0	22.5
180										26.6	24.1	20.8
200											20.8	17.9
210												16.7
225												15.0
	Jib length 213 ft				Jib length 262 ft				Jib length 312 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
60	39.2											
70	38.4				25.7							
85	36.9				25.0				15.8			
95	35.9	38.6			24.2				15.1			
100	35.3	38.1			23.8				14.9			
115	33.9	36.5			22.7	23.8			13.9			
130	32.1	35.1			21.5	22.5			13.1	13.7		
140	31.1	34.0	31.8		21.0	21.8			12.5	13.1		
150	30.3	32.5	29.0		20.3	21.2			12.0	12.6		
160	29.3	29.8	26.6		19.7	20.6	21.2		11.6	12.1		
170	28.3	27.5	24.5		19.2	19.9	20.7		11.2	11.7		
180	27.2	25.5	22.6		18.7	19.4	20.1		10.7	11.3	11.7	
190	25.3	23.6	20.9	17.6	18.3	19.0	19.5		10.3	10.8	11.4	
200	23.6	22.0	19.4	16.3	18.0	18.5	18.0		9.9	10.4	10.9	
220	19.3	19.1	16.8	14.0	17.3	17.8	15.5	12.5	9.2	9.8	10.2	
240			14.6	12.1	15.7	15.6	13.3	10.7	8.5	9.0	9.6	
260				10.5	13.1	13.6	11.5	9.1	7.8	8.3	8.9	7.5
280							10.0	7.7	7.2	7.7	8.3	6.2
300								6.6	6.6	7.1	7.3	5.0
320								5.5		6.5	6.1	4.0
340											5.1	3.1
365												2.2

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



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Load capacities with luffing jib

Load capacities in 1000 lbs with 164 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 115 ft				Jib length 164 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
30	126.0											
40	119.6				81.9							
45	114.9				80.3							
50	109.9	123.0			78.3				53.1			
55	105.2	119.2			76.3				52.6			
60	100.3	106.8			74.0				51.7			
70	90.2	88.3			70.0	79.8			49.8			
80		75.1	67.4		65.1	73.9			47.7	52.8		
85		69.7	62.8		63.1	68.6			46.6	52.3		
90		65.0	58.6		61.4	64.0			45.7	51.5		
100			51.6		57.1	56.3			43.6	49.7		
110			45.9		53.7	50.1	44.4		41.4	48.2		
120				35.7	48.3	45.1	39.9		39.8	44.0		
130				32.3		40.8	36.1		37.7	39.8	34.8	
140				29.3		26.6	32.9		35.8	36.2	31.6	
150							30.2	25.4	34.2	33.2	28.9	
160							27.7	23.3	32.0	30.5	26.6	
170								21.5	29.7	28.2	24.5	
180								19.9		26.2	22.7	18.5
200											19.6	15.9
215												14.2
235												12.3
	Jib length 213 ft				Jib length 262 ft				Jib length 312 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
60	35.1											
70	34.5											
85	33.0				22.8				14.5			
95	32.1	34.7			22.3				14.0			
100	31.5	34.5			22.0				13.8			
115	30.0	33.3			21.2	22.3			13.0			
130	28.4	32.0			20.2	21.4			12.3	12.9		
140	27.4	31.0			19.7	20.6			11.7	12.4		
150	26.6	30.0	27.3		19.1	20.1			11.3	12.0		
160	25.6	29.2	25.0		18.5	19.6			10.9	11.5		
170	24.6	26.9	23.0		18.0	19.0	19.7		10.5	11.1		
180	23.7	24.9	21.2		17.6	18.5	19.3		10.1	10.8		
190	23.0	23.1	19.6		17.1	18.1	18.1		9.7	10.3	10.8	
200	21.8	21.5	18.1		16.7	17.7	16.7		9.4	10.0	10.5	
210	20.6	20.0	16.8	13.0	16.2	17.3	15.4		9.1	9.6	10.1	
220	19.3	18.7	15.7	12.0	15.8	16.9	14.3		8.8	9.3	9.8	
240			13.6	10.3	14.7	15.1	12.2	8.8	8.0	8.7	9.2	
260				8.9	13.0	13.2	10.5	7.4	7.4	8.0	8.7	5.1
280				7.6		11.5	9.1	6.1	6.8	7.4	7.6	3.9
300							7.8	5.1	6.3	6.9	6.4	2.9
320										6.4	5.3	2.0
350											3.9	

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



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Load capacities with luffing jib

Load capacities in 1000 lbs with 194 ft main boom [88/83/75/65°]

	Jib length 66 ft				Jib length 95 ft				Jib length 115 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
35	98.9											
40	95.8				77.6							
45	91.8				75.4				65.9			
50	88.4				73.4				64.2			
55	84.8	98.4			70.7				62.5			
60	81.9	95.4			68.6				60.8			
70	76.2	86.8			63.8	74.5			57.4	65.4		
80		73.8			59.8	70.5			53.6	62.4		
85		68.5			57.6	67.9			52.0	60.8		
90		63.9	55.7		55.7	63.3			50.7	59.5		
95		59.8	52.2		54.1	59.3			48.9	57.5		
100			49.1		52.9	55.8			47.3	55.2		
110			43.7			49.7	42.7		44.6	49.2	42.0	
120			39.2			44.6	38.4		42.7	44.2	37.7	
130				29.1			34.8			40.0	34.1	
140				26.5			31.7			36.5	31.1	
150				24.2			29.0	23.2			28.5	
160								21.3			26.2	20.6
170								19.7			24.2	19.0
180								18.1				17.5
190												16.2
200												15.0
	Jib length 134 ft				Jib length 154 ft				Jib length 174 ft			
	88°	83°	75°	65°	88°	83°	75°	65°	88°	83°	75°	65°
45	57.0											
50	56.2				48.6							
60	53.6				47.2				41.2			
70	50.9				45.1				39.7			
80	48.5	55.2			42.9	47.9			38.3			
90	45.5	52.8			41.2	46.7			36.5	41.0		
100	43.1	50.6			38.8	44.8			35.2	39.8		
110	40.7	47.8			36.9	43.1			33.4	38.3		
120	38.3	43.8	37.1		35.1	40.9			31.8	37.0		
130	36.5	39.6	33.6		33.1	39.1	32.8		30.5	35.3		
140	35.1	36.1	30.5		31.5	35.6	29.8		29.0	34.0	29.2	
150		33.1	28.0		30.4	32.6	27.3		27.6	32.1	26.7	
160		30.4	25.7		29.2	30.0	25.1		26.5	29.5	24.5	
170			23.8	18.3		27.7	23.1		25.6	27.2	22.6	
180			22.0	16.9		25.7	21.4		24.7	25.3	20.9	
190				15.6			19.8	14.9		23.5	19.3	
200				14.5			18.4	13.8		21.8	17.9	13.2
210				13.4				12.8			16.7	12.2
220				12.5				11.8			15.5	11.3
230								11.0				10.4
240								10.2				9.7
255												8.6

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



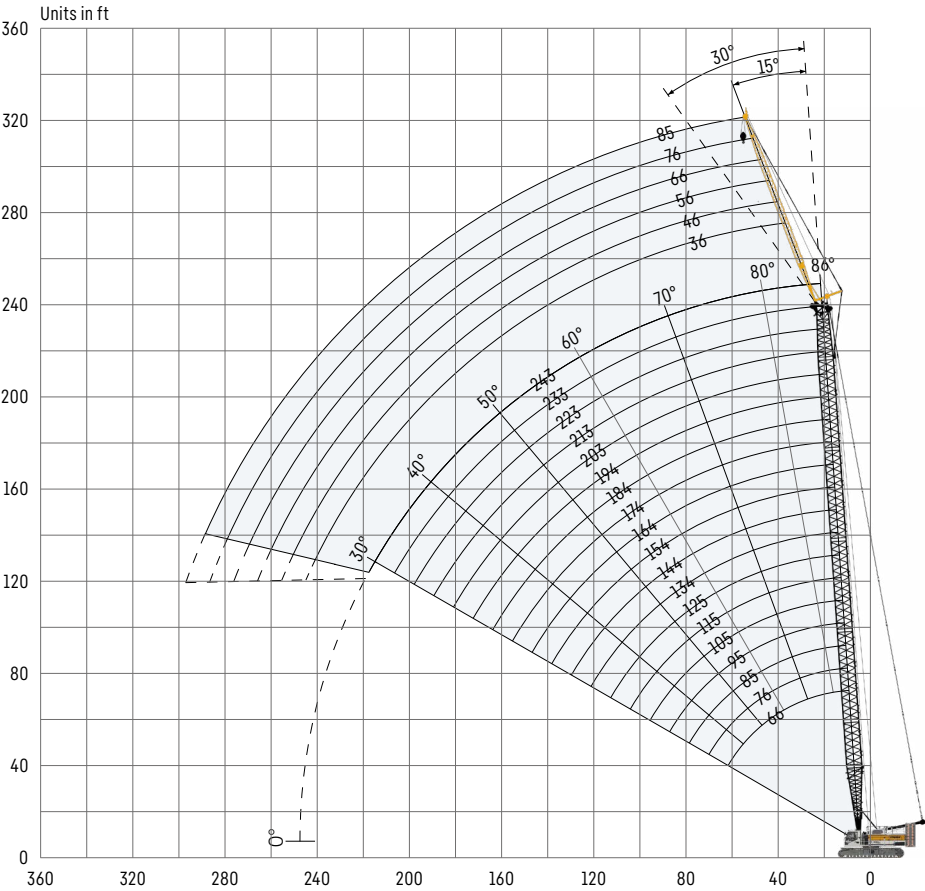
TLT 13639072. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.

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Fixed jib 1008.xx

Jib lengths 36-85 ft



Jib configuration 1008.xx

Jib section	Amount of jib sections					
Boom foot 18 ft	1	1	1	1	1	1
Jib section 10 ft		1		1		1
Jib section 20 ft			1	1	2	2
Jib head 18 ft	1	1	1	1	1	1
Jib length [ft]	36	46	56	66	76	85

Actual lengths of boom sections are metric (e.g. 3 m, 6 m). The figures shown above are approximate conversions to feet.
For main boom configuration please refer to the table on page 20.

Load capacities with fixed jib

Load capacities in 1000 lbs with 66 ft main boom

	Jib length 36 ft		Jib length 46 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
20	79.1									
30	79.1	79.1	79.1							
40	79.1	75.3	75.3	62.0	66.4		58.3		52.1	
50	79.1	65.5	69.3	55.1	58.1	41.3	52.0		47.8	
60	78.4	58.4	64.3	50.9	52.1	36.4	46.4	32.1	41.8	29.3
70	71.8	53.0	60.0	45.8	46.0	32.8	40.3	28.8	36.8	26.6
80	63.5	50.3	53.8	41.9	40.6	29.9	36.1	26.6	32.8	25.0
90	57.6	47.1	50.2	38.7	36.8	27.5	32.5	25.4	29.4	22.6
100	53.0	44.9	45.9	36.5	33.3	26.6	29.7	23.3	26.8	20.9
110			42.2	35.1	30.6	25.1	27.1	21.7	25.7	19.3
120					28.5	23.9	26.3	20.3	23.5	18.1
130						23.2	24.5	19.5	21.9	17.1
140								18.9	20.5	16.4
150										16.0

Load capacities in 1000 lbs with 115 ft main boom

	Jib length 36 ft		Jib length 46 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
25	79.1									
40	79.1	79.1	79.1	63.3	68.7		60.6			
50	79.1	73.3	74.8	59.9	64.3	42.2	55.2		48.3	
60	79.1	67.0	70.5	54.6	57.1	38.4	51.2	33.3	45.1	
70	79.1	61.8	67.1	52.2	53.0	35.4	46.3	30.8	40.7	27.3
80	71.4	57.5	63.6	48.6	48.2	33.0	41.6	28.4	37.2	26.6
90	61.0	53.9	60.6	45.3	44.2	30.8	38.3	26.6	34.0	24.8
100	52.9	53.0	53.4	42.6	40.6	29.1	35.2	26.2	31.5	23.2
110	46.4	46.9	46.9	40.5	37.7	27.4	32.6	24.8	29.1	21.8
120	41.0	41.4	41.5	38.6	35.2	26.6	30.6	23.3	27.1	20.6
140	32.6	32.8	33.1	33.5	31.1	25.1	26.9	21.2	25.1	18.6
160					27.8	23.7	25.5	19.7	22.5	17.1
170					25.2	23.3	24.3	19.3	21.4	16.6
190									19.5	16.1

Load capacities in 1000 lbs with 164 ft main boom

	Jib length 36 ft		Jib length 46 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
25	79.1									
40	79.1	79.1	79.1	65.4	68.7		58.4			
50	79.1	78.4	78.2	62.9	66.7	42.0	55.7		48.4	
70	79.1	67.9	71.9	55.7	57.4	38.0	49.5	31.6	42.7	28.0
80	69.5	63.8	69.2	53.0	53.1	35.5	46.0	29.8	39.8	26.6
100	50.9	51.9	51.6	49.1	47.3	31.9	39.5	26.8	34.7	24.6
110	44.3	45.2	44.9	46.0	44.3	30.5	37.2	26.6	32.6	23.4
130	34.4	35.0	34.9	35.7	36.0	28.0	32.8	24.4	28.9	21.3
150	27.3	27.7	27.8	28.3	28.7	26.6	29.2	22.4	26.6	19.5
170	21.9	22.2	22.4	22.7	23.3	23.9	23.7	21.0	24.0	18.2
190			18.1	18.3	18.9	19.4	19.4	19.9	19.7	17.1
210					15.4	15.6	15.8	16.2	16.1	16.5
220							14.3	14.5	14.6	15.0
235										12.6

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs

TLT 13639072. 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

Load capacities in 1000 lbs with 213 ft main boom

	Jib length 36 ft		Jib length 46 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
25	79.1									
45	79.1	79.1	77.6	62.9	63.7		53.8		46.0	
65	79.1	72.8	73.8	58.0	60.0	39.0	51.0	32.9	43.5	28.6
80	67.7	67.5	68.6	53.3	54.5	36.1	46.8	30.5	40.5	26.6
100	49.0	50.2	49.7	49.5	49.9	32.9	42.4	27.8	37.3	25.3
120	36.9	37.9	37.5	38.8	38.8	30.2	37.7	26.6	32.9	23.3
140	28.5	29.3	29.1	30.0	30.2	28.2	30.7	25.0	29.9	21.4
160	22.4	23.0	22.9	23.6	23.9	24.9	24.3	23.2	24.7	20.0
180	17.6	18.1	18.1	18.7	19.0	19.9	19.5	20.5	19.8	18.8
200	13.9	14.2	14.3	14.7	15.1	15.8	15.6	16.4	15.9	16.8
220	10.8	11.0	11.2	11.4	12.0	12.5	12.4	13.0	12.7	13.4
240				8.7	9.3	9.6	9.7	10.1	10.0	10.5
260							7.4	7.7	7.7	8.1
275									6.2	6.4

Load capacities in 1000 lbs with 243 ft main boom

	Jib length 36 ft		Jib length 46 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
30	79.1		75.9							
60	79.1	74.8	73.4	58.3	57.6	40.1	49.2	33.4	42.4	
75	73.1	69.9	71.6	55.4	55.0	37.2	47.2	31.5	40.8	27.4
90	55.8	57.5	56.7	53.0	52.6	34.8	44.6	29.6	38.4	26.6
110	41.0	42.3	41.8	43.4	43.2	32.3	41.2	27.2	36.0	24.6
130	31.0	32.0	31.7	32.9	32.9	29.9	33.5	26.5	32.4	22.8
150	23.9	24.7	24.4	25.4	25.5	26.9	26.1	24.9	26.5	21.2
170	18.5	19.1	19.0	19.8	20.0	21.1	20.5	21.8	20.9	20.0
200	12.5	12.9	12.9	13.5	13.8	14.6	14.3	15.2	14.6	15.7
220	9.4	9.7	9.8	10.1	10.6	11.3	11.1	11.8	11.4	12.3
240	6.8	7.0	7.2	7.5	8.0	8.5	8.4	9.0	8.7	9.4
260			5.0	5.2	5.8	6.1	6.2	6.6	6.4	7.0
280					3.8	4.0	4.2	4.5	4.5	4.8
300									2.7	2.9

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



TLT 13639072. 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.

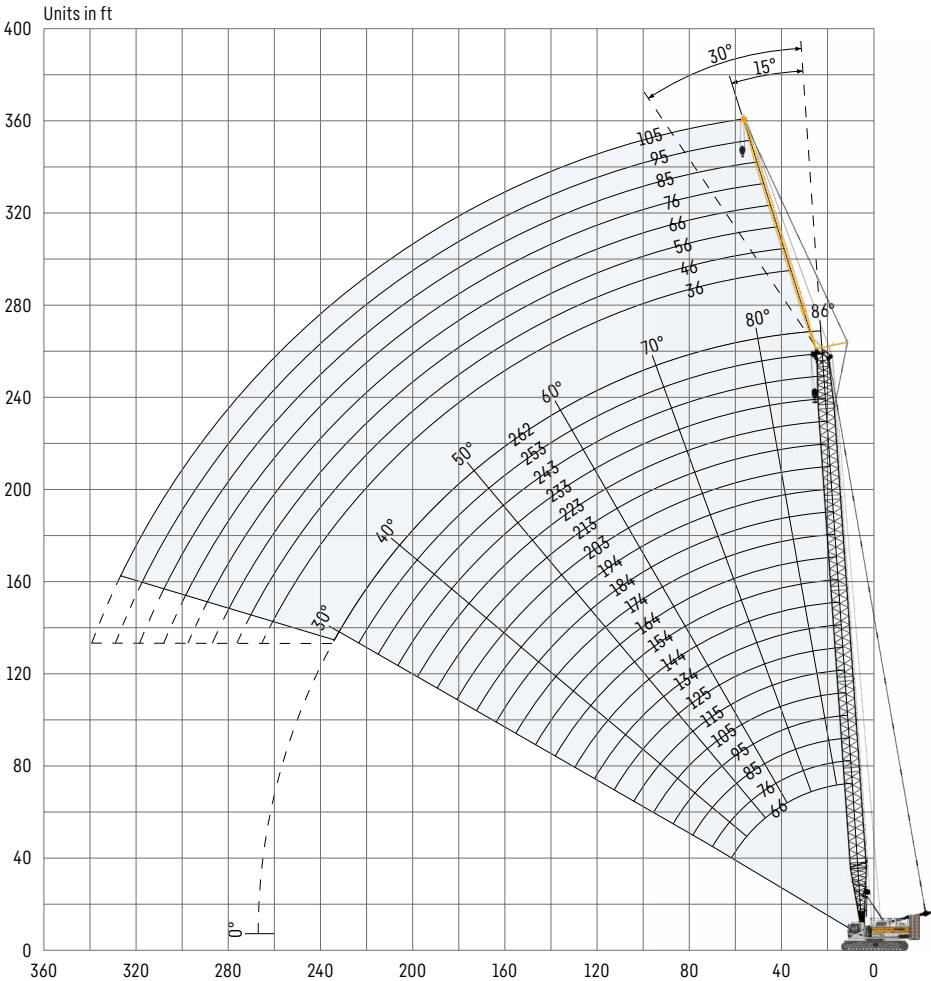


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Fixed jib 0806.xx

Jib lengths 36-105 ft



Jib configuration 0806.xx

Jib section	Amount of jib sections							
Jib foot 18 ft	1	1	1	1	1	1	1	1
Jib section 10 ft		1		1		1		1
Jib section 20 ft			1	1	2	2	3	3
Jib head 18 ft	1	1	1	1	1	1	1	1
Jib length [ft]	36	46	56	66	76	85	95	105

Actual lengths of boom sections are metric (e.g. 3 m, 6 m). The figures shown above are approximate conversions to feet.
For main boom configuration please refer to the table on page 20.

Load capacities with fixed jib

Load capacities in 1000 lbs with 66 ft main boom

	Jib length 36 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft		Jib length 105 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
20	52.6									
30	47.7	41.8								
40	43.8	39.4	23.3		21.6		17.2			
50	41.4	37.5	21.8	19.4	20.3		16.1		11.9	
60	38.9	36.0	20.3	18.3	19.3	17.7	15.0	13.9	11.1	
70	37.0	34.7	19.2	17.7	18.3	16.9	14.2	13.3	10.3	
80	35.5	31.8	18.0	17.3	17.4	16.2	13.5	12.7	9.7	9.0
90	33.6	29.7	17.3	16.4	16.6	15.6	12.8	12.3	9.2	8.5
100	24.2	28.2	16.8	15.8	15.9	14.9	12.4	11.9	8.7	8.1
115			16.1	15.1	15.1	13.7	11.7	11.5	8.1	7.7
130				14.7	13.9	12.9	11.2	11.1	7.6	7.3
140						12.5	11.0	10.8	7.3	7.1
150								10.6	7.1	7.0
170										6.9

Load capacities in 1000 lbs with 115 ft main boom

	Jib length 36 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft		Jib length 105 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
20	50.5									
40	47.1	41.1	23.7		21.3					
50	45.2	39.6	22.6	19.5	20.4		16.3		11.8	
65	42.4	37.6	21.1	18.4	19.4	17.5	15.1	13.7	10.9	
80	39.7	35.9	19.7	17.6	18.3	16.8	14.1	13.0	10.1	9.0
90	38.5	34.9	18.8	17.3	17.8	16.3	13.5	12.7	9.6	8.7
110	36.0	31.6	17.5	16.4	16.6	15.4	12.6	12.1	8.9	8.1
120	34.9	30.2	17.1	15.9	16.2	14.9	12.3	11.9	8.5	7.8
140	32.1	28.3	16.5	15.4	15.3	13.9	11.7	11.5	7.9	7.5
160			15.8	15.0	14.4	13.0	11.2	11.1	7.4	7.2
180					13.3	12.6	11.0	10.8	7.0	7.0
190							10.9	10.6	7.0	6.9
200									6.9	6.9
210									6.8	6.9

Load capacities in 1000 lbs with 164 ft main boom

	Jib length 36 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft		Jib length 105 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
25	46.1									
40	44.4	39.4	23.6		19.3					
50	42.9	38.8	22.4	19.4	18.8		15.4			
70	40.7	37.6	20.9	18.3	17.8	16.7	14.4	13.2	10.3	
80	40.0	37.1	20.3	17.8	17.5	16.5	14.0	12.9	10.0	8.8
100	38.4	35.6	19.1	17.0	16.7	16.0	13.2	12.4	9.3	8.4
110	37.8	34.8	18.5	16.8	16.4	15.8	12.9	12.2	9.0	8.1
130	35.7	32.7	17.5	16.2	15.8	15.2	12.2	11.8	8.4	7.7
150	28.6	29.1	16.7	15.7	15.4	14.6	11.7	11.5	7.9	7.4
170	23.3	23.5	16.1	15.4	14.9	13.7	11.3	11.2	7.5	7.2
190			15.8	15.1	14.5	13.0	10.9	11.0	7.1	7.0
210			15.4	14.8	13.7	12.7	10.8	10.8	6.9	6.9
225						12.5	10.7	10.7	6.8	6.9
255										6.9

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs

TLT 13639072. 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

Load capacities in 1000 lbs with 213 ft main boom

	Jib length 36 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft		Jib length 105 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
25	41.0									
45	39.5	36.0	21.8		17.4		14.1			
65	38.2	35.7	20.9	18.6	16.7	15.8	13.4	12.6	9.6	
80	37.4	35.6	20.4	18.1	16.2	15.6	13.0	12.3	9.3	8.7
100	36.5	35.2	19.4	17.4	15.7	15.3	12.6	12.1	8.9	8.4
120	35.5	34.3	18.5	16.8	15.3	15.2	12.1	11.9	8.6	8.1
140	29.9	30.6	17.7	16.4	14.9	15.0	11.8	11.7	8.3	7.8
160	23.7	24.3	17.2	16.0	14.6	14.7	11.5	11.4	8.0	7.6
180	19.1	19.5	16.6	15.8	14.3	14.4	11.2	11.3	7.7	7.4
200	15.3	15.6	16.1	15.6	14.1	13.6	11.0	11.1	7.4	7.2
220	12.2	12.4	13.8	14.2	14.0	13.0	10.7	11.0	7.1	7.1
240			11.1	11.5	11.6	12.0	10.6	10.9	6.9	7.1
265					8.8	9.0	9.2	9.5	6.8	7.1
295									6.8	7.1

Load capacities in 1000 lbs with 262 ft main boom

	Jib length 36 ft		Jib length 46 ft		Jib length 66 ft		Jib length 76 ft		Jib length 85 ft	
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
30	32.8		25.7							
60	31.5	30.4	24.7	24.5	19.3	19.0	16.4	16.7	13.3	13.2
75	30.8	30.2	24.2	24.3	18.9	18.9	16.2	16.4	13.1	13.1
90	30.3	30.0	23.9	24.2	18.6	18.8	16.0	16.3	12.9	13.0
110	29.7	29.9	23.5	24.1	18.3	18.7	15.8	16.2	12.8	12.9
130	27.4	28.5	23.0	24.1	18.1	18.7	15.6	16.0	12.6	12.9
150	24.4	25.0	22.3	22.4	17.8	18.7	15.4	15.8	12.4	12.8
170	19.1	19.8	19.7	20.5	17.6	18.7	15.3	15.6	12.2	12.8
200	13.1	13.6	13.7	14.3	14.2	15.0	14.1	15.3	11.9	12.8
220	10.0	10.4	10.6	11.1	11.1	11.7	11.6	12.4	11.3	12.1
240	7.5	7.8	8.0	8.3	8.5	9.0	9.0	9.6	9.5	10.2
260	5.3	5.5	5.8	6.1	6.3	6.7	6.8	7.2	7.3	7.8
280			3.9	4.1	4.4	4.6	4.9	5.2	5.3	5.7
310									2.8	3.0

Carbody counterweight: 79,800 lbs

Rear counterweight:

159,400 lbs

181,400 lbs



TLT 13639072. 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.

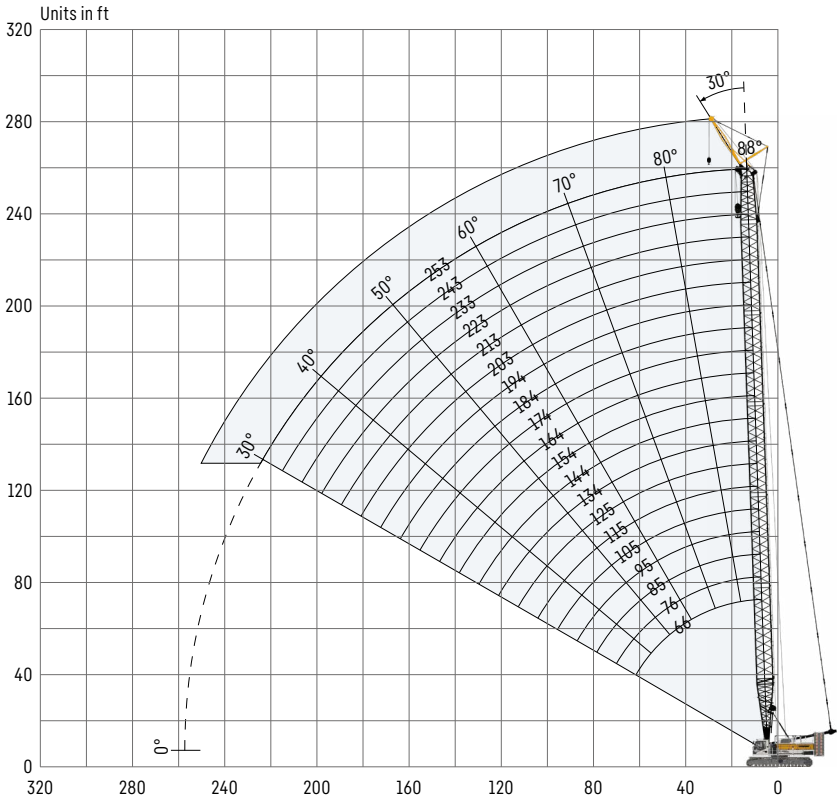


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Fixed jib 0906.21

Jib length 23 ft



The jib length is 23 ft, for main boom configuration please refer to the table on page 20.

Load capacities with fixed jib

Load capacities in 1000 lbs – 66 ft main boom

Radius [ft]	Jib length 23 ft
25	134.5
30	98.4
35	76.6
40	62.1
45	52.0
50	44.1
55	38.0
60	33.1
65	29.0
70	25.6
75	22.7
80	20.2
85	17.9

Load capacities in 1000 lbs – 115 ft main boom

Radius [ft]	Jib length 23 ft
30	155.8
40	155.8
45	155.6
50	134.5
60	105.0
70	85.3
80	71.2
90	60.5
100	52.4
105	48.8
110	45.7
120	40.1
125	37.7
130	35.5

Load capacities in 1000 lbs – 164 ft main boom

Radius [ft]	Jib length 23 ft
30	155.8
40	155.8
50	133.5
60	103.6
70	83.7
80	69.5
90	58.8
100	50.6
110	43.9
120	38.4
130	33.8
140	29.9
150	26.6
170	21.1

Load capacities in 1000 lbs – 213 ft main boom

Radius [ft]	Jib length 23 ft
30	123.0
50	117.8
60	102.4
80	67.9
90	57.1
100	48.9
110	42.2
120	36.7
130	32.0
150	24.8
160	21.9
180	17.0
200	13.2
215	10.7

Load capacities in 1000 lbs – 253 ft main boom

Radius [ft]	Jib length 23 ft
35	88.9
50	87.0
70	81.1
80	66.6
90	55.7
100	47.5
110	40.7
120	35.1
140	26.6
160	20.3
180	15.4
200	11.6
225	7.7
250	4.6

Carbody counterweight: 79,800 lbs

Rear counterweight:

181,400 lbs



TLT 13639072. 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.

 **Crane Planner 2.0**

www.liebherr.com/CranePlanner



Download datasheet



Please contact us.

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