

EN-US

LR 1100.1

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LIEBHERR

Crawler cranes

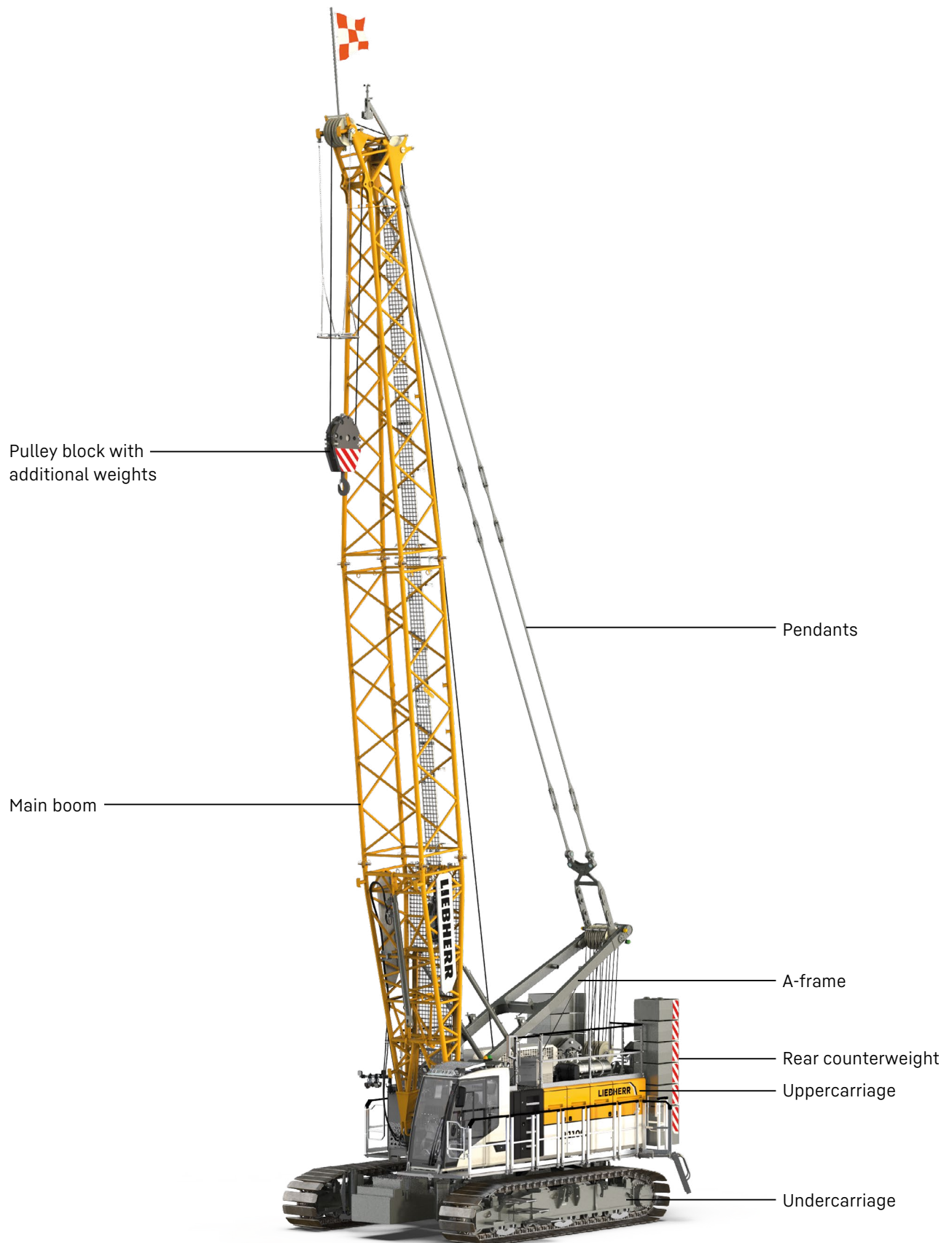


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Main boom 1512.21	14
Fixed jib 0806.21	16

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 and under load.
- The lifting capacities are valid for 360 degrees of swing.
- Calculation of stability under load was carried out according to ISO 4305 Table 1 + 2 + 3, tipping angle 4°, as well as ANSI/ASME B 30.5 and was tested according to SAE J765 and SAE J987.
- 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 figures 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



Cabin with high comfort
- optimized view
- noise-reducing design
- orthopaedic seat

Crawler side frames with
3 ft flat track pads

Carbody counterweight

Platforms



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.

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.

Travelling with load

By preselecting one of the three travel speeds, the control automatically applies the permitted load curve.

Stage 1: up to 3.94 inch/s

Stage 2: up to 15.75 inch/s

Stage 3: more than 15.75 inch/s

Cabin with high comfort

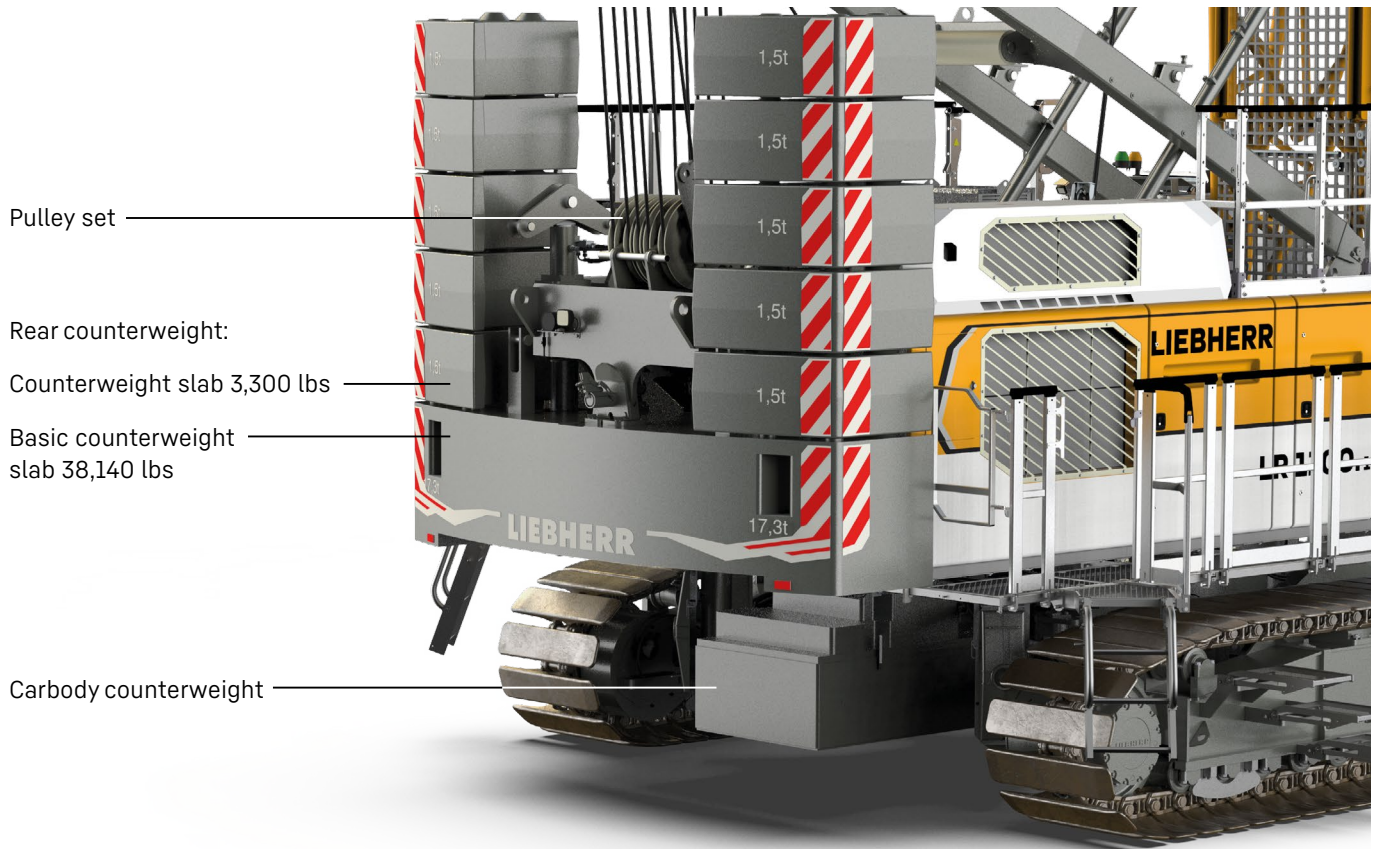
Optimised field of vision combined with enhanced comfort: an orthopaedic operator's seat with heating and cooling functions, as well as precise and ergonomic controls are included.

Control

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

Barge operation

By preselecting the barge inclination the control automatically applies the permitted load curve.



Pulley set

Rear counterweight:

Counterweight slab 3,300 lbs

Basic counterweight slab 38,140 lbs

Carbody counterweight

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 9.8 ft.

Preselection of customised load curves

Different wind speeds. The driver can preselect appropriate and permitted load curves for different wind speeds by pressing a button directly on the monitor.

Easy service

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

Boom

The 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 A7-05
Fuel tank capacity	106 gal with continuous level indicator and reserve warning
Exhaust certification	Version 1: 97/68 EC Stage IV and EPA/CARB Tier 4f Version 2: 97/68 EC Stage V and EPA/CARB Tier 4f Version 3: ECE-R.96 Power Band H Version 4: without certified emission standard



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}	108 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	217 gal
Max. working pressure	5,076 PSI
Hydraulic oil	electronic monitoring of all 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	colour touchscreen 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	0-0.932 mph
Flat track pads	width 3 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	0-2.7 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 7th layer	26,977 lbf
Rope diameter	26 mm
Drum diameter	1.9 ft
Rope speed	0-446 ft/min
Rope capacity in 4 layers	840 ft
Option - winches 1/2 as free-fall winches	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. 19,334 lbf
Rope diameter	20 mm
Boom luffing	15-84° in 58 s

Operating weight

Composition of operating weight	basic machine with crawler side frames (with 3 ft flat track pads), winches 1 + 2, A-frame, 1 rope 722 ft, 46 ft main boom, consisting of boom foot (18 ft) and boom head (28 ft) 64,600 lbs rear counterweight 33,700 lbs carbody counterweight 88,100 lbs pulley block
Total weight	approx. 208,116 lbs

Operation modes

	 Lifting mode	 Grab mode	 Foundation work
 Land	✓	✓	✓
 Floating structure (barge operation)	✓	✓	✓

Optional equipment

Basic machine

Carbody counterweight remains on undercarriage (transport)
 Crawler side frame detachable, 3-web, 3 ft
 Crawler side frame detachable, flat, 3 ft
 Crawler side frame non-detachable, 3-web, 3 ft
 Load hook 27,560 lbs
 Rotation-free hoist rope, 26 mm, 441 lbf/mm², 591 ft
 Rotation-free hoist rope, 26 mm, 441 lbf/mm², 722 ft
 Painting in customer design
 Pulley block 88,100 / 176,300 / 220,400 lbs
 Winches 1/2 as free-fall winches

Economy and ecology

Aux. power unit (APU, 2.8 kW)
 Eco-Silent Package

Boom/jib

Auxiliary jib 52,900 lbs for main boom
 Fixed jib 15° (36 ft or 66 ft)

Boom/jib other

Walkways for main boom sections 20 / 40 ft
 Rope guide (over 164 ft)

Application packages

Cabin elevator 9.2 ft hydraulic
 External supply incl. battery charger (100-240 VAC / 750 W)
 Main winch constant tension for one winch
 Operation mode foundation work
 Radio remote control
 Radio remote control (preparation)
 Rope reeving function via radio remote control
 Tagline winch 4,409 lbf free fall
 Third winch 15,438 lbf (auxiliary winch)
 Third winch 15,438 lbf (auxiliary winch): preparation
 Two hook operation
 Winch synchronization

Special features

Crane Planner 2.0
 LiDAT
 Self-assembly system
 Jack-up system telescopic
 Reeving winch
 Self-assembly cylinder on boom foot
 Self-assembly system rear counterweight

Service package

Electric central lubrication swing ring bearings
 Electric central lubrication swing ring bearings / outside
 Cold package -25 °C
 Cold package -40 °C
 Gear oil level warning (hoist winches, swing gear, boom luffing winch)
 Hydraulic oil bypass filter
 Liebherr hydraulic oil plus arctic (longlife & bio)
 Liebherr hydraulic oil plus arctic (longlife)
 Liebherr hydraulic oil plus-37 (longlife & bio)

Safety features

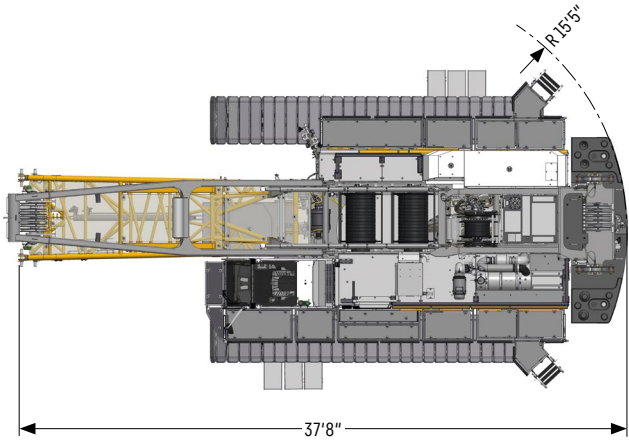
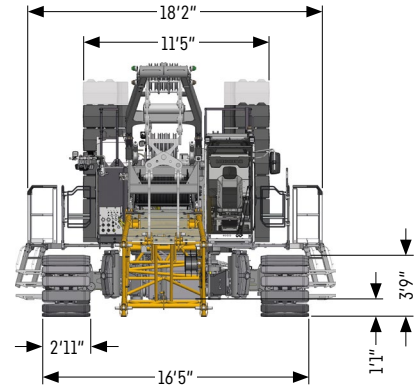
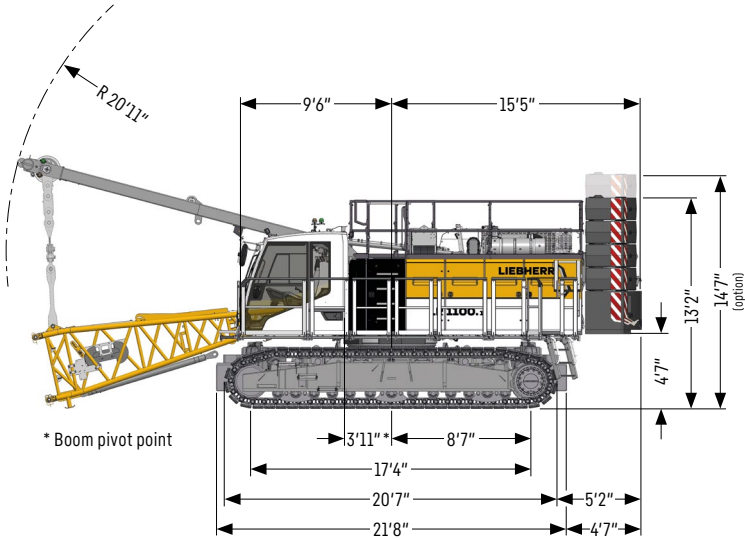
Access control
 Aircraft warning light
 Assistance system: Gradient Travel Aid
 Assistance system: Ground Pressure Indication and Visualization
 Cabin protection roof, FOPS2, foldable
 Earth spike
 Lifting height indication for both hoist winches
 Lightning rod
 Lightning rod with airport flag holder
 Optical angle display
 Platforms and handrails on uppercarriage (left/right) incl. access ladder
 Platforms on uppercarriage (left/right)
 Plug&Play back-up unit, 18.4 kW
 Plug&Play back-up unit, 18.4 kW: preparation
 Safety upgrade APAVE
 Swing warning light
 Vandalism cabin protection
 Winch camera
 Anemometer
 Swing and boom radius limit device
 Zoom camera at boom head

Operator's comfort

Additional ignition key
 Additional LED floodlights on boom foot, manually adjustable
 Cabin air conditioner
 Cabin tilting device hydraulic
 Uppercarriage inclination indicator on cabin monitor

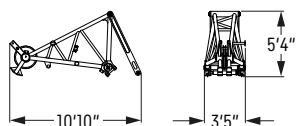
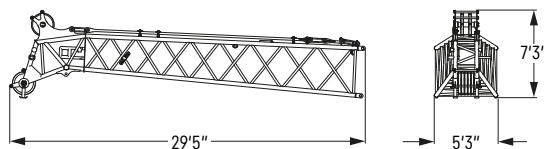
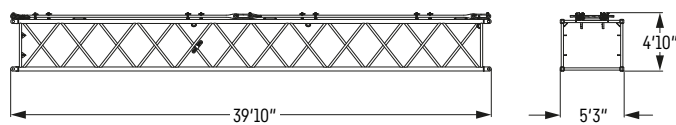
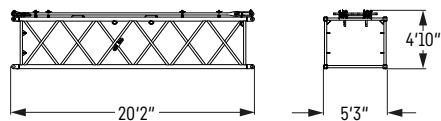
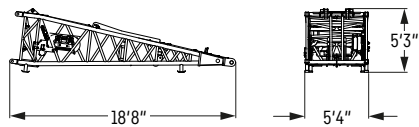
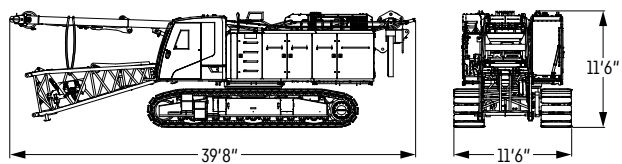
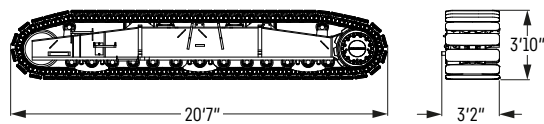
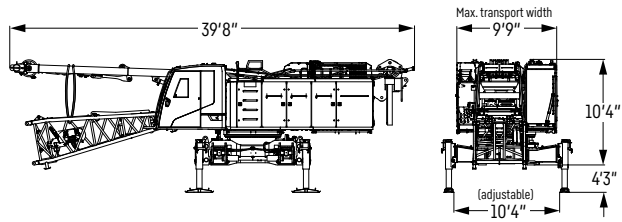
Dimensions

Basic machine with undercarriage



Transport dimensions and weights

Basic machine and main boom 1512.21



Basic machine

Weight without hoist rope	lbs 71,650
Weight of hoist ropes	lbs/ft 2.28

with A-frame 1, winches 1 + 2 (2x 26,977 lbf), with boom foot, with telescopic jack-up cylinders, without rear counterweight, without carbody counterweight, without detachable crawler side frames

Crawler side frame

Weight flat track pads 3 ft	lbs 17,637
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Transport option – basic machine

Weight without hoist rope	lbs 99,428
Weight of hoist ropes	lbs/ft 2.28

with A-frame 1, winches 1 + 2 (2x 26,977 lbf), with boom foot, with non-detachable crawler side frames, without rear counterweight, without carbody counterweight

Boom foot 18 ft (No. 1512.21)

Weight	lbs 2,910
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Boom section 20 ft (No. 1512.21)

Weight including pendants	lbs 1,713
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Boom section 40 ft (No. 1512.21)

Weight including pendants	lbs 3,148
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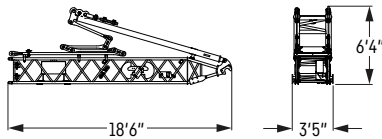
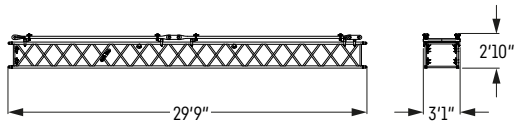
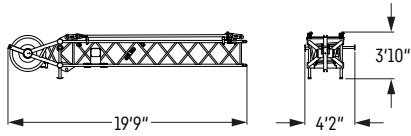
Boom head 28 ft (No. 1512.21)

Weight including pendants	lbs 2,877
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Auxiliary jib

Weight	lbs 1,579
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Fixed jib 0806.21



Jib head 18 ft (No. 0806.21)

Weight including pendants	lbs 1,482
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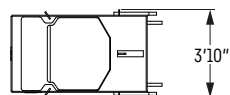
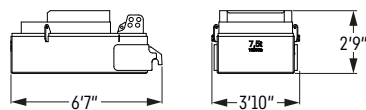
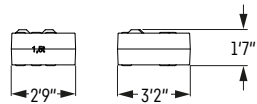
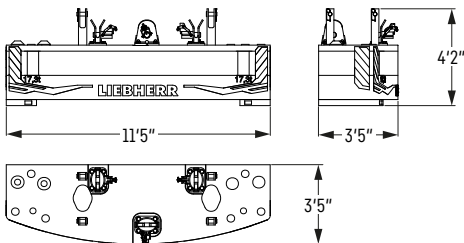
Jib section 30 ft (No. 0806.21)

Weight including pendants	lbs 1,272
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Jib foot 18 ft with A-frame (No. 0806.21)

Weight including pendants	lbs 2,119
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Counterweight



Basic counterweight slab without tie-down (1x)

Weight	lbs 38,140
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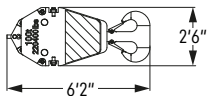
Counterweight slab (8x, option: 10x)

Weight	lbs 3,300
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Carbody counterweight slab (2x)

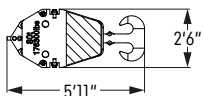
Weight	lbs 16,500
Weight (option)	lbs 20,900

Pulley block with additional weights / load hooks



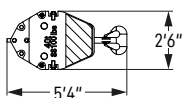
220,400 lbs pulley block - 5 pulleys

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



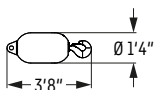
176,300 lbs pulley block - 3 pulleys

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



88,100 lbs pulley block - 1 pulley

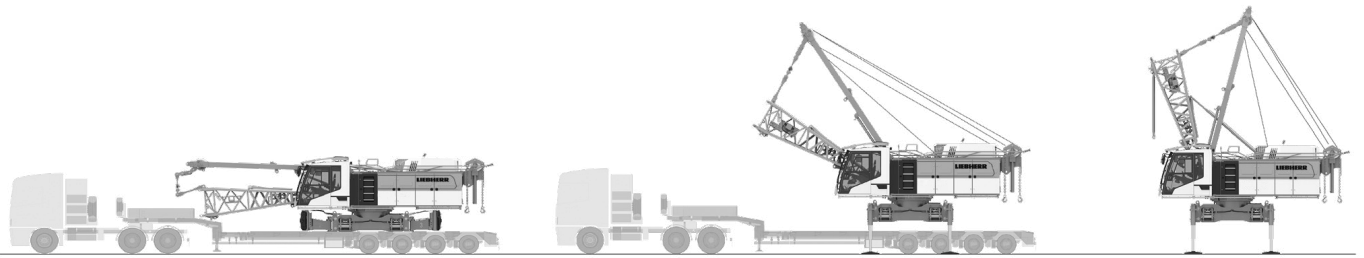
Width	1'7"
Weight	lbs 1,543 / 2,425 / 3,307



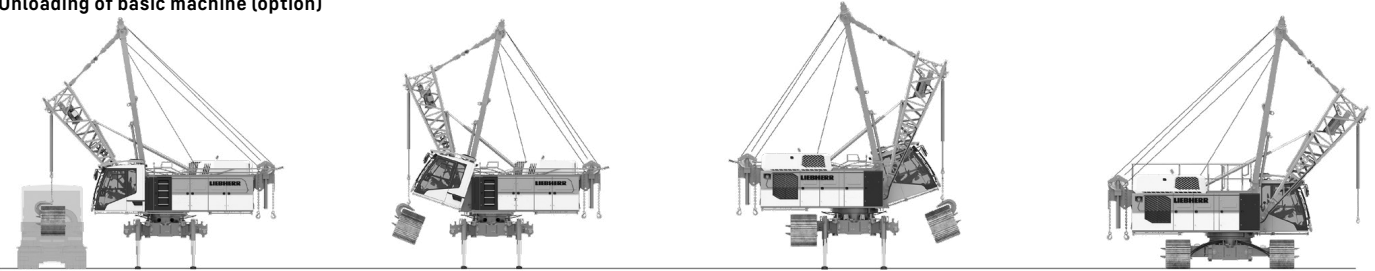
27,560 lbs load hook

Weight	lbs 1,323
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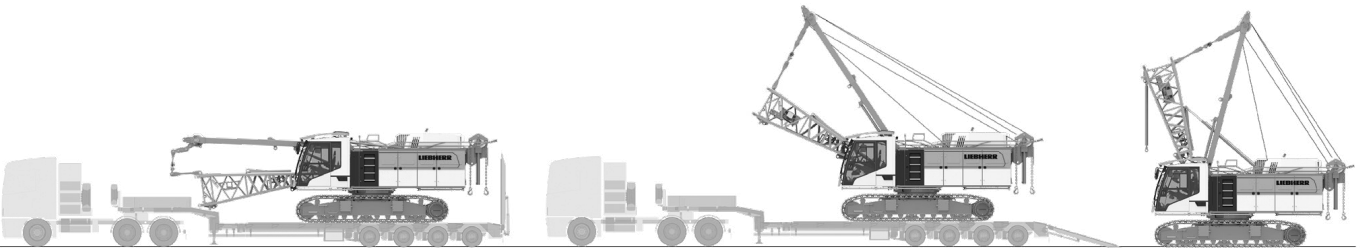
Self-assembly system



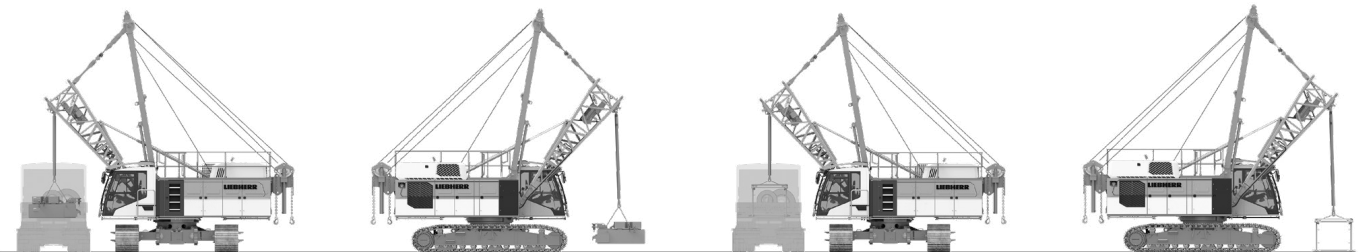
Unloading of basic machine (option)



Unloading and assembly of crawler side frames

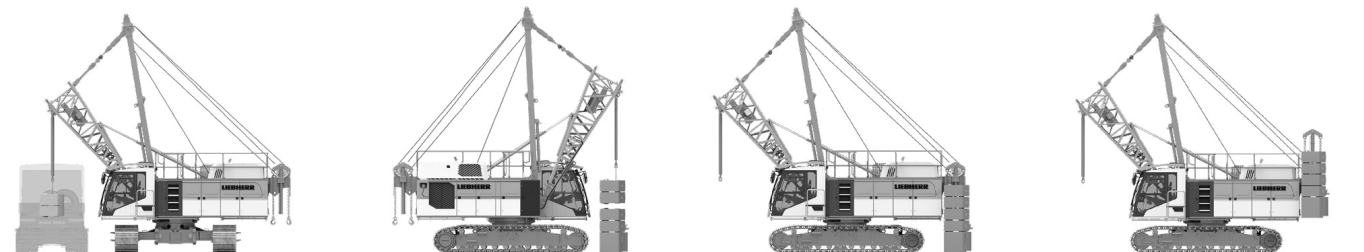


Unloading of basic machine (standard)

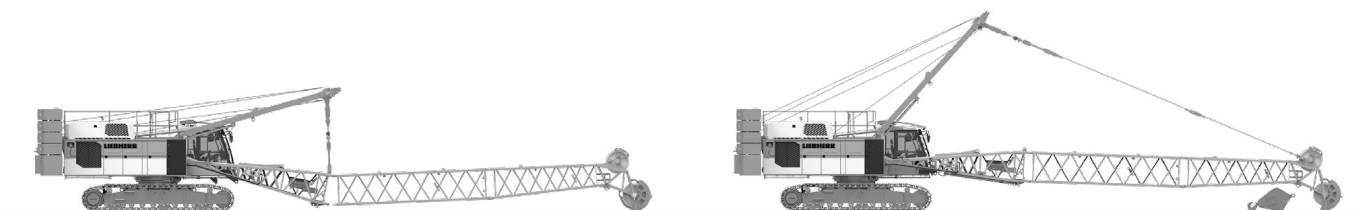


Unloading and assembly of carbody counterweight

Unloading and assembly of boom

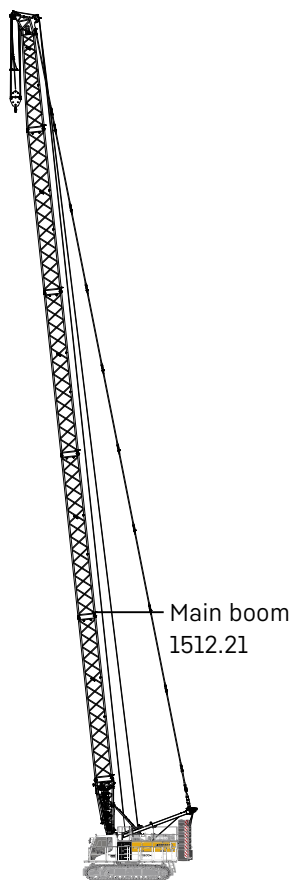


Unloading and assembly of rear counterweight



Assembly of boom and reeving of hoist ropes

Boom combinations



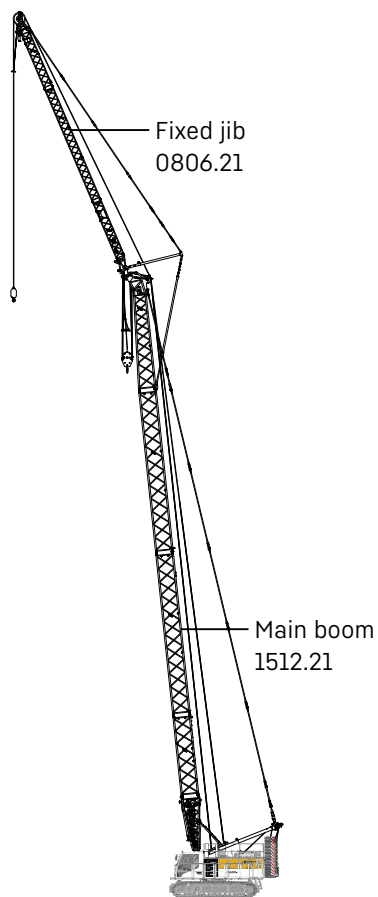
Main boom

Mode 1

Max. length

1512.21 ft 203

Further information on page 14.



Main boom + fixed jib

Mode 3

Max. combination

1512.21 ft 144

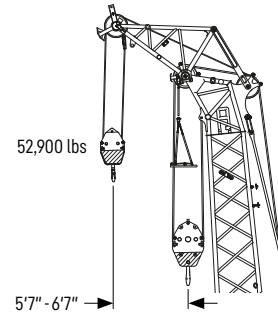
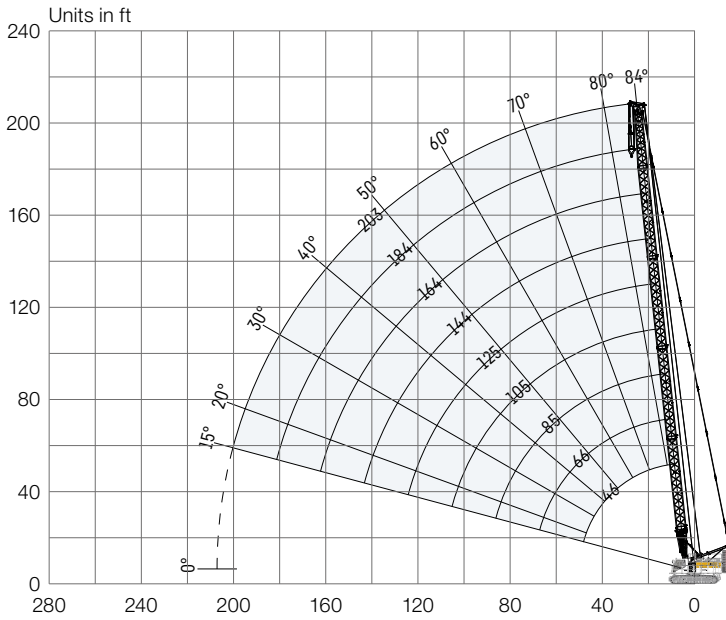
0806.21 ft 66

Total length ft 210

Further information on page 16.

Main boom 1512.21

Boom lengths 46-203 ft



Auxiliary jib 52,900 lbs (option)
 The maximum capacity of the auxiliary jib is 52,900 lbs. The corresponding load chart is programmed in the LML system.

Main boom configuration 1512.21

Boom section	Amount of boom sections								
Boom foot 18 ft	1	1	1	1	1	1	1	1	1
Boom section 20 ft		1		1		1		1	
Boom section 40 ft			1	1	2	2	3	3	4
Boom head 28 ft	1	1	1	1	1	1	1	1	1
Boom length [ft]	46	66	85	105	125	144	164	184	203
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓	✓

Actual lengths of boom sections are metric (e.g. 6 m, 12 m). The figures shown above are approximate conversions to feet.

Load capacities with main boom

Load capacities in 1000 lbs

	Boom length [ft]																		
	46		66		85		105		125		144		164		184		203		
	(S)	(O)	(S)	(O)	(S)	(O)	(S)	(O)	(S)	(O)	(S)	(O)	(S)	(O)	(S)	(O)	(S)	(O)	
10.9	220.5	220.5																	
15	177.9	187.5	167.7	177.9	156.7	161.2													
20	133.3	142.1	124.8	135.7	115.0	125.2	106.5	116.0	98.9	107.8									
25	95.2	103.7	95.3	103.8	90.4	98.5	84.7	92.3	79.5	86.7	74.7	79.8	60.0	60.0					
30	73.7	80.3	73.7	80.3	73.5	80.1	70.0	76.4	66.1	72.2	62.4	68.3	54.6	54.6	41.7	41.7	29.3	29.3	
35	59.8	65.2	59.8	65.2	59.6	65.0	59.3	64.7	56.3	61.6	53.3	58.4	49.5	49.5	38.2	38.2	26.5	26.5	
40	50.1	54.7	50.1	54.7	49.9	54.5	49.6	54.2	48.8	53.5	46.4	50.9	44.0	45.4	34.6	34.6	24.1	24.1	
45	42.8	46.8	43.0	47.0	42.8	46.8	42.4	46.4	42.0	46.0	40.8	44.9	38.8	41.6	31.9	31.9	21.8	21.8	
50			37.5	41.0	37.3	40.8	36.9	40.4	36.5	40.0	36.0	39.6	34.5	38.0	29.3	29.3	20.2	20.2	
55			33.1	36.3	32.9	36.1	32.5	35.7	32.1	35.3	31.6	34.8	30.9	34.2	26.8	26.8	18.4	18.4	
60			29.5	32.4	29.4	32.2	29.0	31.8	28.6	31.4	28.1	31.0	27.6	30.5	24.8	24.8	16.7	16.7	
65			26.6	29.2	26.5	29.0	26.1	28.7	25.7	28.2	25.2	27.8	24.7	27.3	23.3	23.3	15.4	15.4	
70					24.0	26.4	23.6	26.0	23.2	25.6	22.7	25.1	22.2	24.6	21.6	21.6	14.4	14.4	
75					21.9	24.1	21.5	23.7	21.1	23.3	20.6	22.8	20.1	22.3	19.5	20.0	13.2	13.2	
80					20.0	22.1	19.7	21.8	19.3	21.3	18.8	20.9	18.2	20.3	17.7	18.7	12.2	12.2	
85					18.4	20.3		18.1	20.0	17.7	19.6	17.2	19.1	16.7	18.6	16.1	17.5	11.3	11.3
90							16.6	18.5	16.2	18.1	15.8	17.6	15.3	17.0	14.7	16.5	10.5	10.5	
95							15.4	17.1	15.0	16.7	14.5	16.2	14.0	15.8	13.4	15.2	9.8	9.8	
100							14.2	15.9	13.9	15.5	13.4	15.0	12.9	14.6	12.3	14.0	9.2	9.2	
105							13.2	14.8	12.9	14.4	12.4	14.0	11.9	13.5	11.3	12.9	8.9	8.9	
110									12.0	13.4	11.5	13.0	11.0	12.5	10.4	11.9	8.6	8.6	
115									11.1	12.5	10.7	12.1	10.2	11.6	9.6	11.0	8.3	8.3	
120									10.3	11.7	9.9	11.2	9.4	10.8	8.9	10.2	8.1	8.1	
125									9.6	10.9	9.2	10.5	8.7	10.0	8.1	9.4	7.4	7.8	
130											8.6	9.8	8.0	9.3	7.4	8.7	6.8	7.6	
135											8.0	9.1	7.4	8.7	6.8	8.1	6.2	7.4	
140											7.4	8.5	6.8	8.1	6.2	7.4	5.6	6.8	
145													6.3	7.5	5.7	6.9	5.0	6.2	
150													5.8	6.9	5.2	6.3	4.5	5.7	
155													5.3	6.4	4.7	5.8		5.2	
160													4.8	5.9		5.3		4.7	
165																4.9			
170																4.4			

Carbody counterweight: (S) standard 33,700 lbs, (O) option 42,300 lbs

Rear counterweight:

51,400 lbs

58,000 lbs option

64,600 lbs 71,200 lbs

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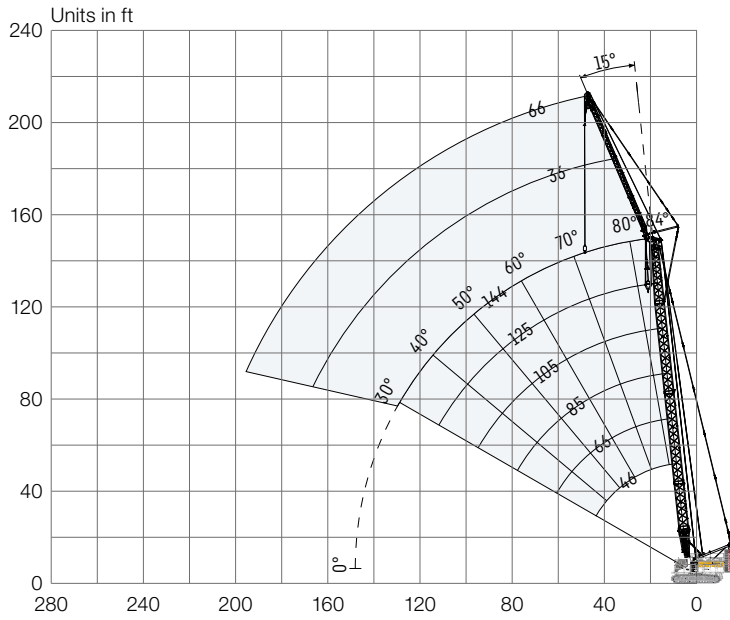


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Crane Planner 2.0

Fixed jib 0806.21

Jib lengths 36-66 ft



Jib configuration 0806.21

Jib section	Amount of jib sections	
Jib foot 18 ft	1	1
Jib section 30 ft		1
Jib head 18 ft	1	1
Jib length [ft]	36	66

Actual lengths of boom sections are metric (e.g. 6 m, 12 m). The figures shown above are approximate conversions to feet. For main boom configuration please refer to the table on page 14.

Load capacities with fixed jib

Load capacities in 1000 lbs – 46 ft main boom

Radius [ft]	Jib length 36 ft		Jib length 66 ft	
	(S)	(O)	(S)	(O)
	21	44.1	44.1	
25	44.1	44.1		
30	44.1	44.1	24.1	24.1
35	43.7	43.7	22.7	22.7
40	40.9	40.9	21.5	21.5
45	38.7	38.7	20.3	20.3
50	36.1	36.1	19.5	19.5
55	33.0	34.2	18.8	18.8
60	29.4	31.0	18.3	18.3
65	26.3	28.3	17.2	17.2
70	23.9	26.2	16.2	16.2
75	21.7	23.9	15.4	15.4
80	19.8	21.8	15.0	15.0
85			14.5	14.5
90			14.2	14.2
95			13.9	13.9
100			13.7	13.7
105			13.4	13.4
110			12.6	12.6
115				
120				
125				
130				
135				
140				
145				

Load capacities in 1000 lbs – 66 ft main boom

Radius [ft]	Jib length 36 ft		Jib length 66 ft	
	(S)	(O)	(S)	(O)
	21			
25	44.1	44.1		
30	43.6	43.6		
35	40.8	40.8	22.6	22.6
40	38.4	38.4	21.5	21.5
45	35.9	35.9	20.5	20.5
50	34.0	34.0	19.6	19.6
55	32.2	32.2	19.0	19.0
60	28.9	30.5	18.4	18.4
65	26.0	28.5	18.0	18.0
70	23.4	25.8	17.3	17.3
75	21.2	23.4	16.5	16.5
80	19.3	21.4	15.8	15.8
85	17.6	19.6	15.3	15.3
90	16.2	18.0	14.9	14.9
95	14.8	16.6	14.5	14.5
100			14.2	14.2
105			13.3	13.9
110			12.4	13.7
115			11.5	12.8
120			10.7	12.0
125			10.0	11.2
130				
135				
140				
145				

Load capacities in 1000 lbs – 85 ft main boom

Radius [ft]	Jib length 36 ft		Jib length 66 ft	
	(S)	(O)	(S)	(O)
	21			
25	42.1	42.1		
30	39.2	39.2		
35	36.8	36.8	22.4	22.4
40	34.5	34.5	21.4	21.4
45	32.8	32.8	20.7	20.7
50	30.9	30.9	19.7	19.7
55	29.4	29.4	18.9	18.9
60	28.2	28.2	18.3	18.3
65	25.4	26.8	17.7	17.7
70	22.9	25.2	17.1	17.1
75	20.7	23.0	16.7	16.7
80	18.8	20.9	16.0	16.0
85	17.2	19.1	15.3	15.3
90	15.7	17.5	14.8	14.8
95	14.4	16.1	14.4	14.4
100	13.2	14.9	13.8	13.8
105	12.2	13.7	12.7	13.2
110	11.2	12.7	11.9	12.8
115	10.3	11.7	11.0	12.3
120			10.2	11.4
125			9.5	10.8
130			8.8	10.0
135			8.2	9.3
140			7.6	8.7
145				

Carbody counterweight: (S) standard 33,700 lbs, (O) option 42,300 lbs

Rear counterweight:

option
 64,600 lbs 71,200 lbs

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Load capacities with fixed jib

Load capacities in 1000 lbs – 105 ft main boom

	Jib length 36 ft		Jib length 66 ft	
	(S)	(O)	(S)	(O)
30	36.9			
35	34.7	21.9	21.9	21.9
40	33.0	20.9	20.9	20.9
45	31.2	19.8	19.8	19.8
50	30.0	19.1	19.1	19.1
55	28.5	18.4	18.4	18.4
60	27.3	18.0	18.0	18.0
65	24.9	17.3	17.3	17.3
70	22.4	16.6	16.6	16.6
75	20.2	16.0	16.0	16.0
80	18.3	15.5	15.5	15.5
85	16.6	15.0	15.0	15.0
90	15.2	14.5	14.5	14.5
95	13.9	14.0	14.0	14.0
100	12.7	13.6	13.2	13.6
105	11.7	13.2	12.3	13.2
110	10.7	12.7	11.3	12.7
115	9.8	11.8	10.4	11.8
120	9.0	11.0	9.6	11.0
125	8.3	10.2	8.9	10.2
130	7.6	9.5	8.2	9.5
135		8.8	7.6	8.8
140		8.2	7.0	8.2
145		7.6	6.4	7.6
150		7.0	5.9	7.0
155		6.4	5.3	6.4
160		5.9	4.8	5.9
165				

Load capacities in 1000 lbs – 125 ft main boom

	Jib length 36 ft		Jib length 66 ft	
	(S)	(O)	(S)	(O)
30	35.0	35.0		
35	33.3	33.3		
40	31.8	31.8	19.8	19.8
45	30.3	30.3	18.9	18.9
50	29.0	29.0	18.2	18.2
55	28.0	28.0	17.6	17.6
60	26.8	26.8	17.0	17.0
65	24.4	25.8	16.6	16.6
70	21.9	24.2	16.1	16.1
75	19.7	22.0	15.4	15.4
80	17.8	19.9	14.8	14.8
85	16.2	18.1	14.4	14.4
90	14.7	16.5	14.0	14.0
95	13.4	15.1	13.6	13.6
100	12.2	13.8	12.7	13.3
105	11.2	12.7	11.8	13.0
110	10.2	11.7	10.8	12.2
115	9.4	10.8	9.9	11.3
120	8.5	9.9	9.1	10.5
125	7.8	9.1	8.4	9.7
130	7.0	8.4	7.7	9.0
135	6.4	7.6	7.0	8.3
140	5.8	7.0	6.4	7.6
145	5.2	6.4	5.8	7.0
150	4.6	5.8	5.3	6.4
155	4.6		4.8	5.8
160				5.3
165				4.8

Carbody counterweight: (S) standard 33,700 lbs, (O) option 42,300 lbs

Rear counterweight:

option

64,600 lbs

71,200 lbs

TLT 13669693 0 V6. 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 – 144 ft main boom

	Jib length 36 ft		Jib length 66 ft	
	(S)	(O)	(S)	(O)
30	33.3	33.3		
35	31.8	31.8		
40	30.4	30.4	18.7	18.7
45	29.3	29.3	18.1	18.1
50	28.1	28.1	17.3	17.3
55	27.1	27.1	16.8	16.8
60	25.9	26.3	16.1	16.1
65	23.3	25.1	15.5	15.5
70	21.2	23.6	15.1	15.1
75	19.2	21.5	14.7	14.7
80	17.3	19.4	14.3	14.3
85	15.6	17.6	14.0	14.0
90	14.2	16.0	13.7	13.7
95	12.8	14.6	13.3	13.4
100	11.7	13.3	12.3	13.1
105	10.6	12.2	11.2	12.6
110	9.7	11.2	10.3	11.6
115	8.8	10.2	9.4	10.8
120	7.9	9.4	8.6	9.9
125	7.1	8.5	7.8	9.2
130	6.4	7.7	7.1	8.4
135	5.8	7.0	6.4	7.6
140	5.1	6.4	5.8	7.0
145	4.6	5.7	5.2	6.4
150		5.2	4.6	5.8
155		4.6		5.2
160				4.7
165				

Load capacities in 1000 lbs – 164 ft main boom

	Jib length 36 ft
	(O)
30	30.9
35	30.0
40	28.5
45	27.0
50	25.7
55	24.3
60	23.2
65	22.3
70	21.3
75	20.2
80	18.3
85	16.8
90	15.4
95	14.0
100	12.8
105	11.7
110	10.6
115	9.6
120	8.7
125	7.9
130	7.1
135	6.4
140	5.8
145	5.1
150	4.6
155	
160	
165	

Carbody counterweight: (S) standard 33,700 lbs, (O) option 42,300 lbs

Rear counterweight:

option

64,600 lbs

71,200 lbs

TLT 13669693 0 V6. 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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