

EN

Derrick for 400 t crane

LR 1007.02.08

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Crawler cranes



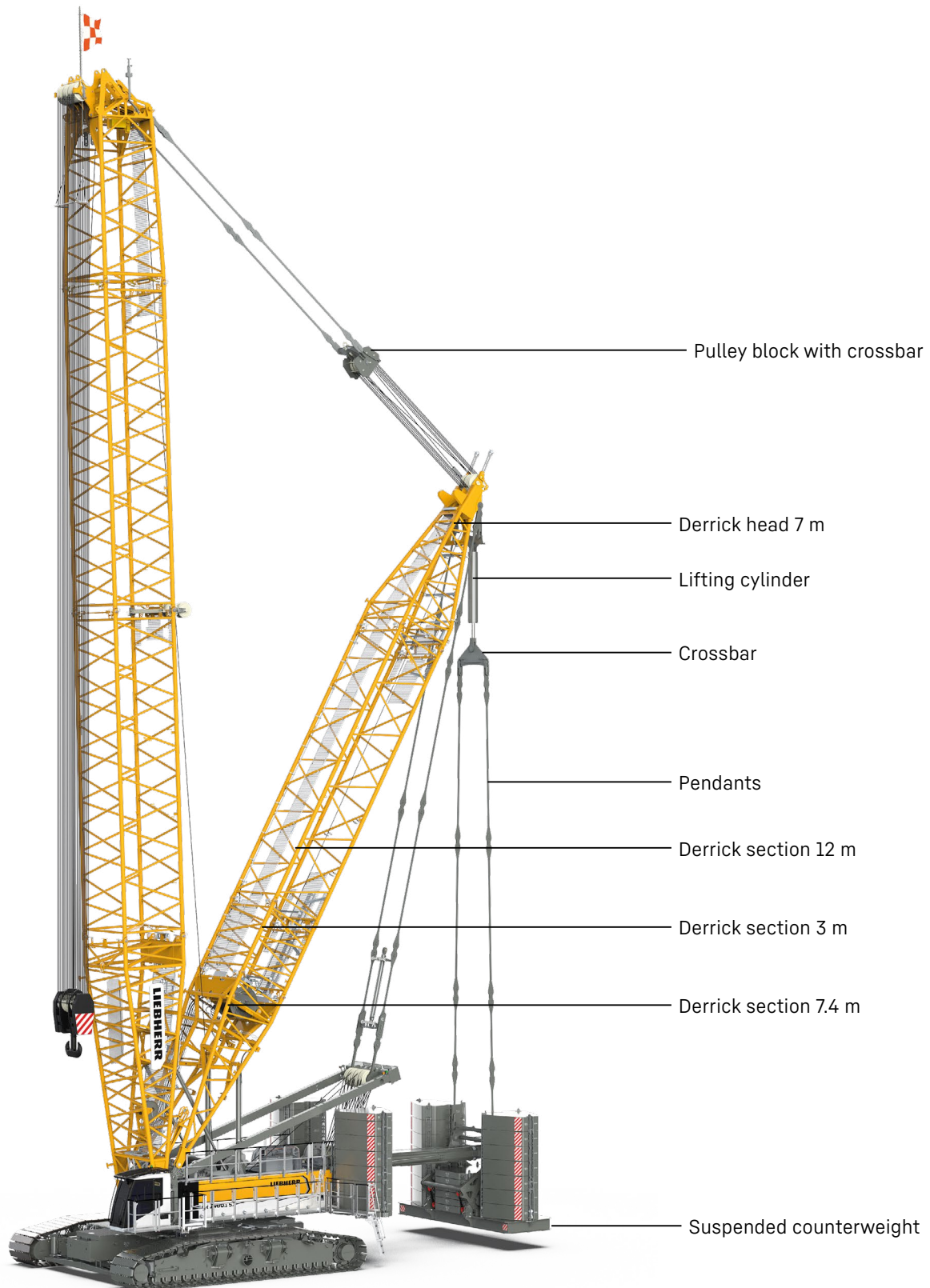
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Remarks

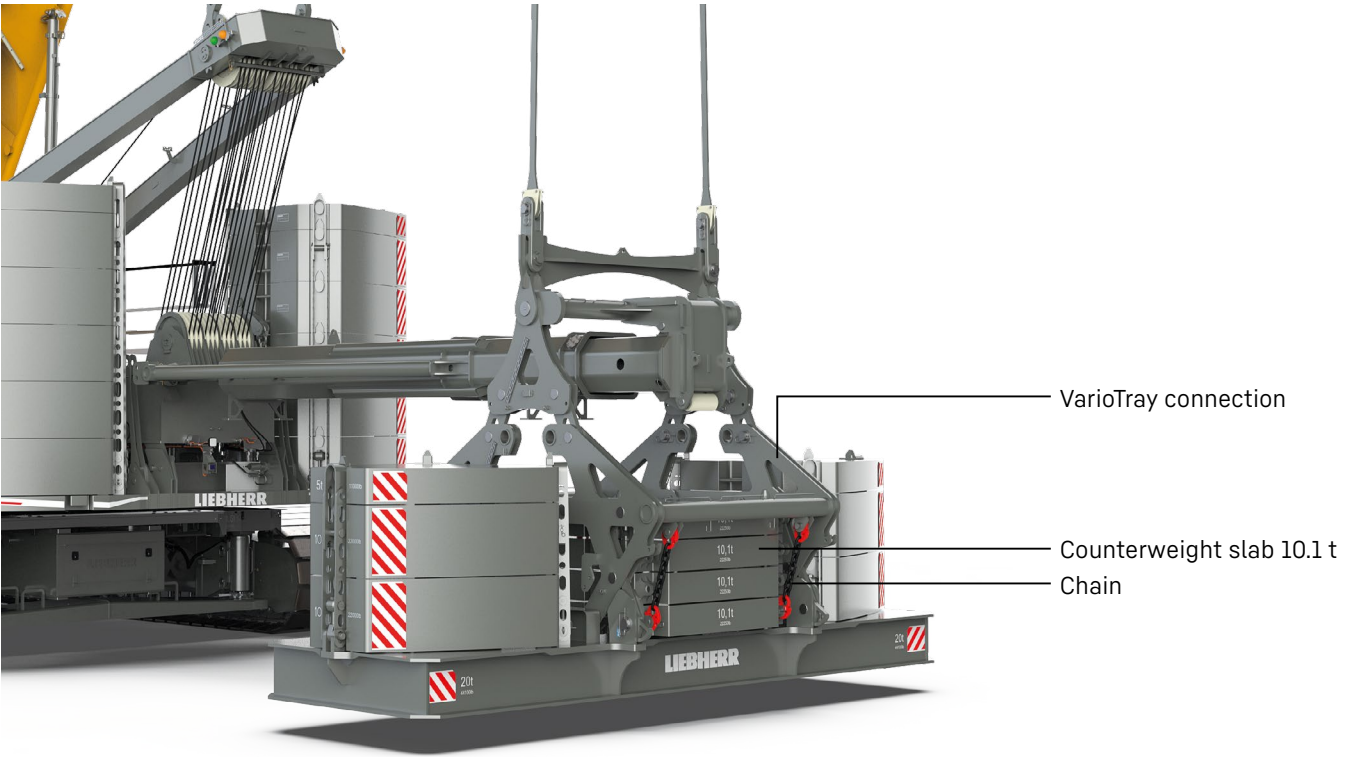
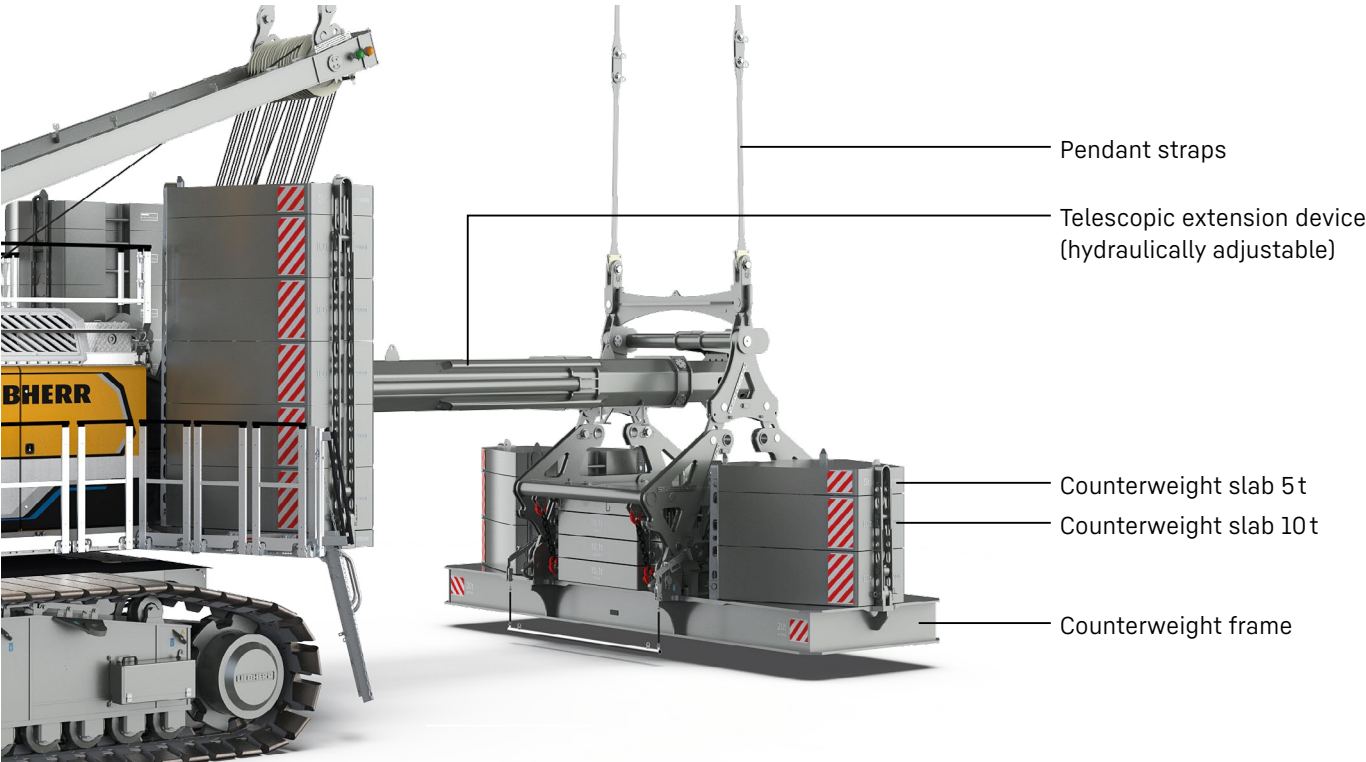
- The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
- Machine is standing on firm, horizontal ground.
- The weight of the lifting device (pulley block, hoist ropes, shackles etc.) must be deducted from the load capacity.
- Additional equipment on boom (e.g. walkways) must be deducted from the lifting 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

Derrick equipment with suspended counterweight

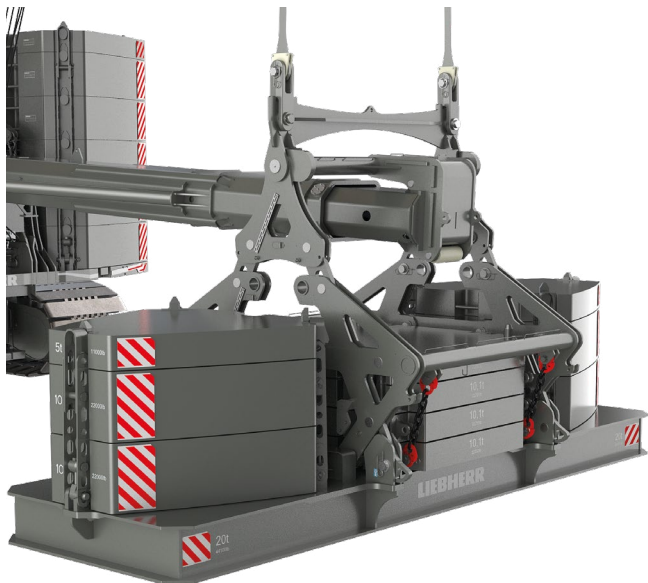


Suspended counterweight

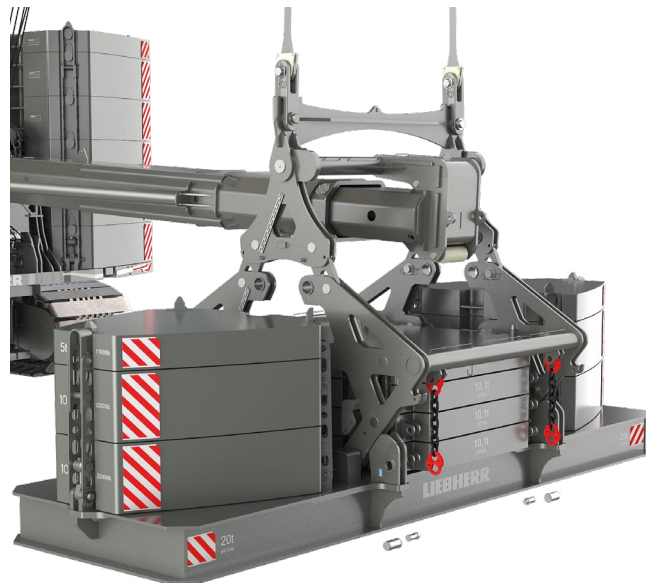


Exemplifying illustration

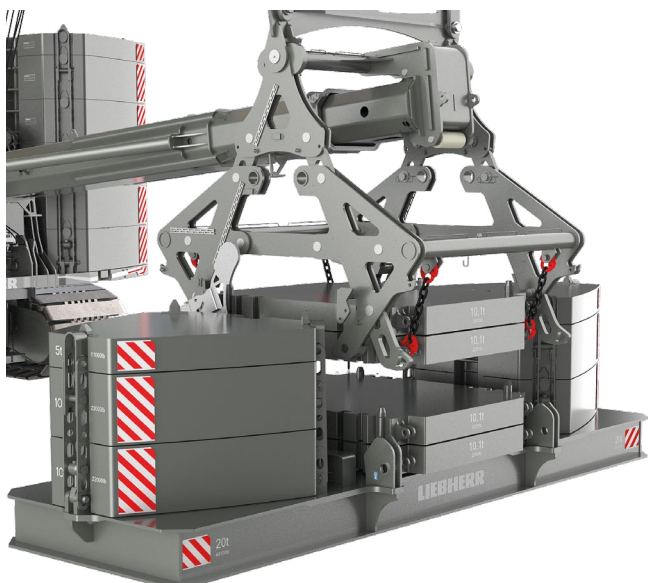
How VarioTray works



Suspended counterweight is positioned on the ground.



Unbolting of the VarioTray connection and the 10.1-t counterweight slabs.



Counterweights required for the lift are bolted to the VarioTray connection. No auxiliary crane is required to change the 10.1-t counterweights.

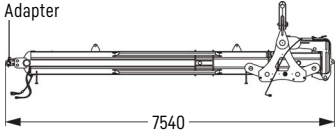
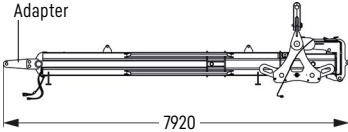
Exemplifying illustration

Overview and conversion options

Overview derrick for 300 t crane / 400 t crane

	300 t crane	400 t crane
Standard connection	✓	-
VarioTray connection	✓	✓

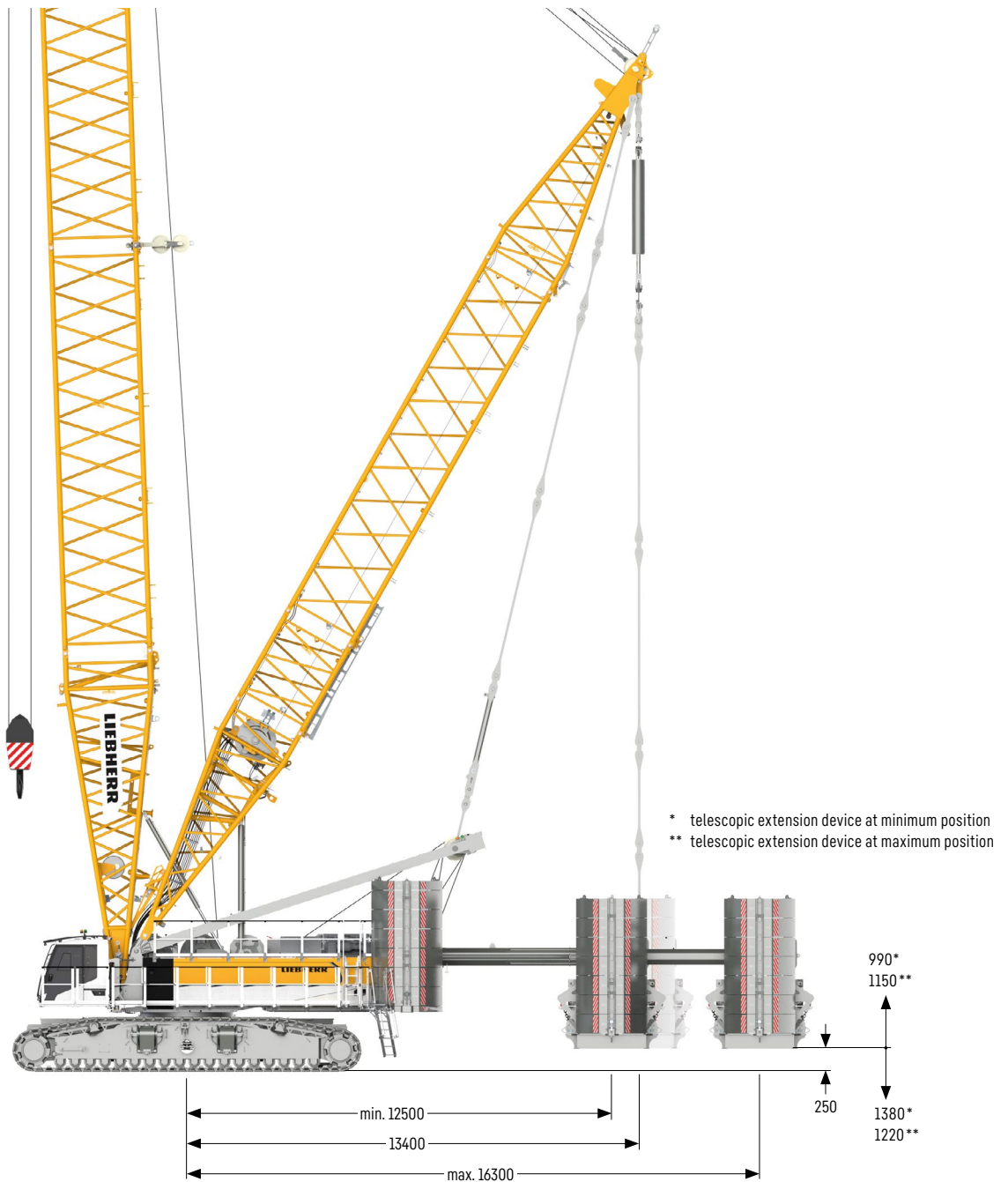
Derrick conversion option for 300 t crane / 400 t crane

	300 t crane	400 t crane
Telescopic extension device		

By using the correct adapter, the extension device can be used for both the 300 t and the 400 t crane.

Dimensions

Derrick equipment with suspended counterweight

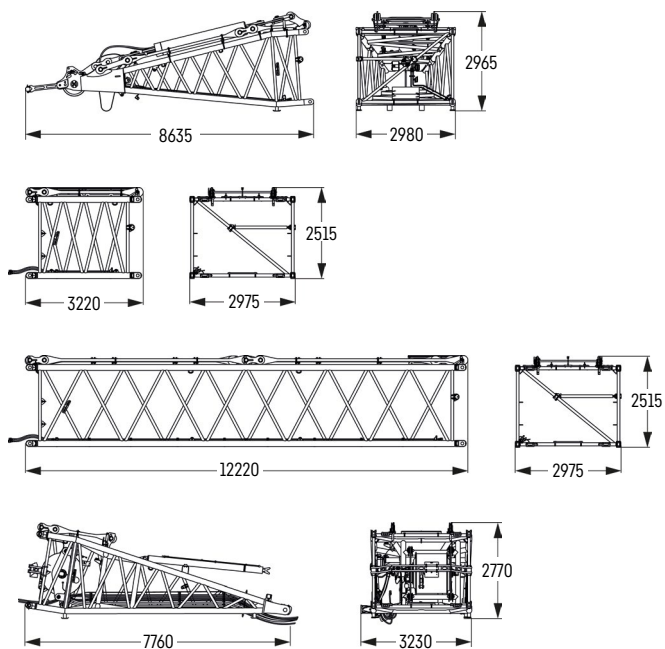


Telescopic extension device (hydraulic)

The hydraulic extension device is continuously adjustable from 12.5 to 16.3 m.

Transport dimensions and weights

Derrick equipment 2821.xx



Derrick head 7 m (No. 2821.30)

Weight including lifting cylinder with crossbar, including pulley block with crossbar	kg 7190
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Derrick section 3 m (No. 2821.30)

Weight incl. pendant straps	kg 1446
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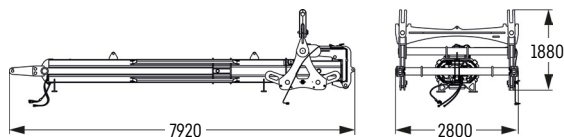
Derrick section 12 m (No. 2821.30)

Weight incl. pendant straps	kg 4150
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Derrick foot 7.4 m (No. 2821.32)

Weight including rope	kg 10700
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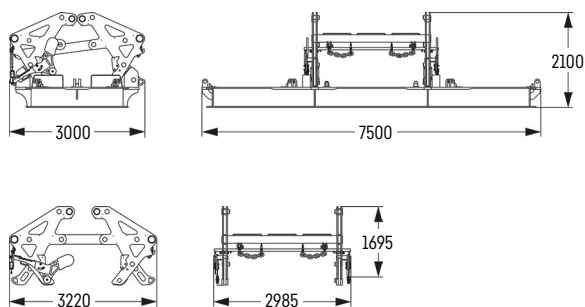
Telescopic extension device



Telescopic extension device

Weight	kg 6141
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VarioTray connection transport options



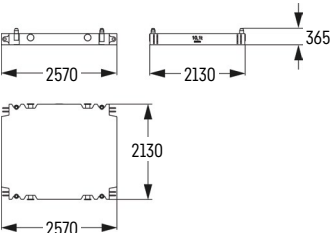
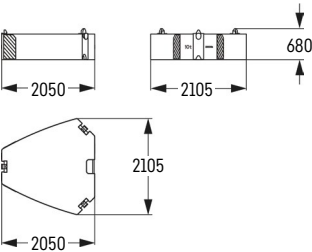
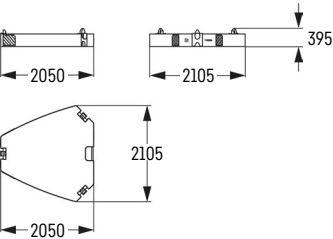
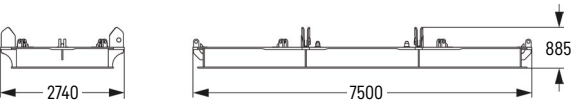
VarioTray connection with counterweight frame

Weight	kg 22626
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VarioTray connection

Weight	kg 2626
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Counterweight



Counterweight frame

Weight	kg 20000
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Counterweight slab

0x	kg 5000
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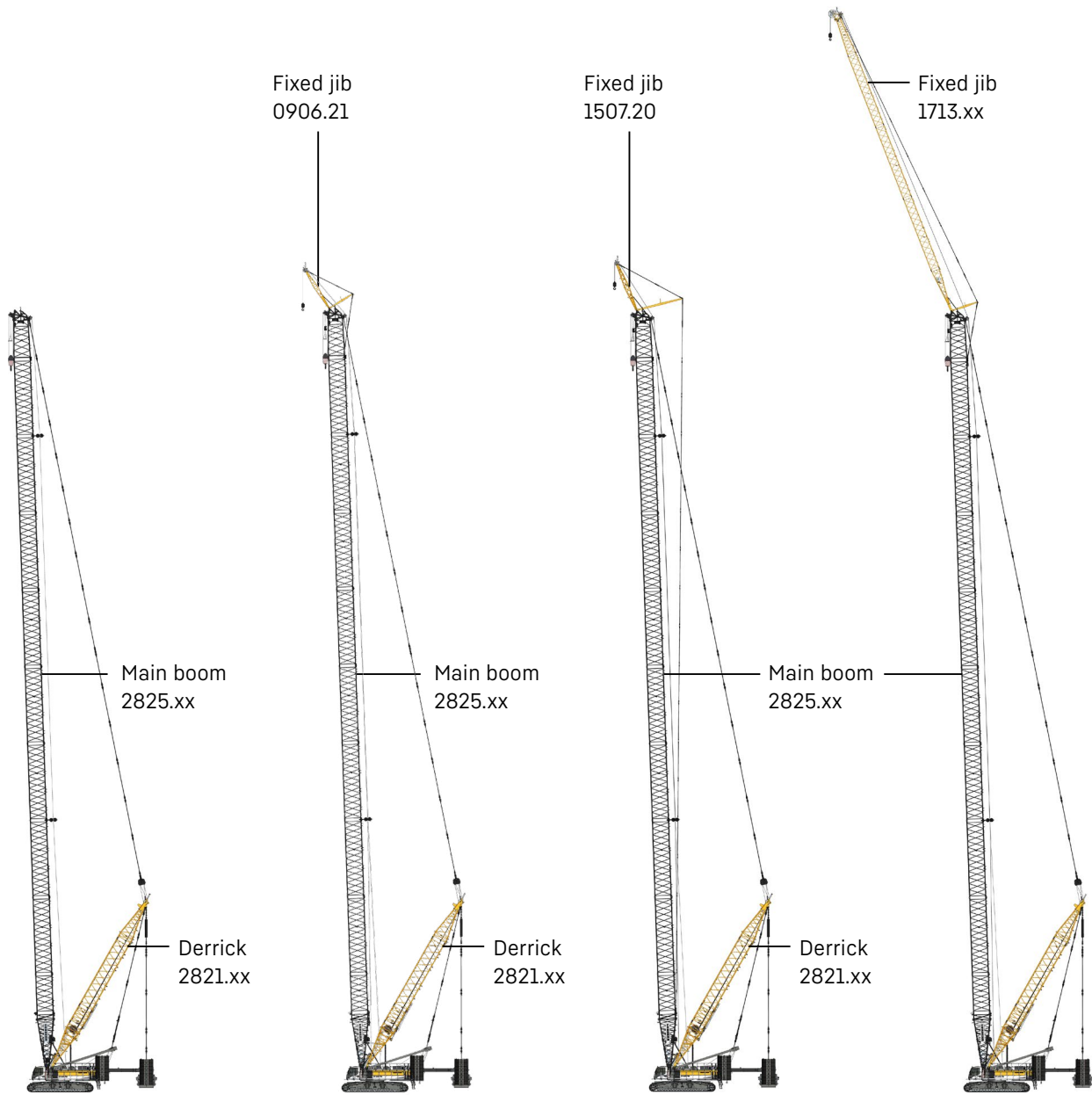
Counterweight slab

14x	kg 10000
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Counterweight slab for optional VarioTray connection

6x	kg 10100
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Boom combinations

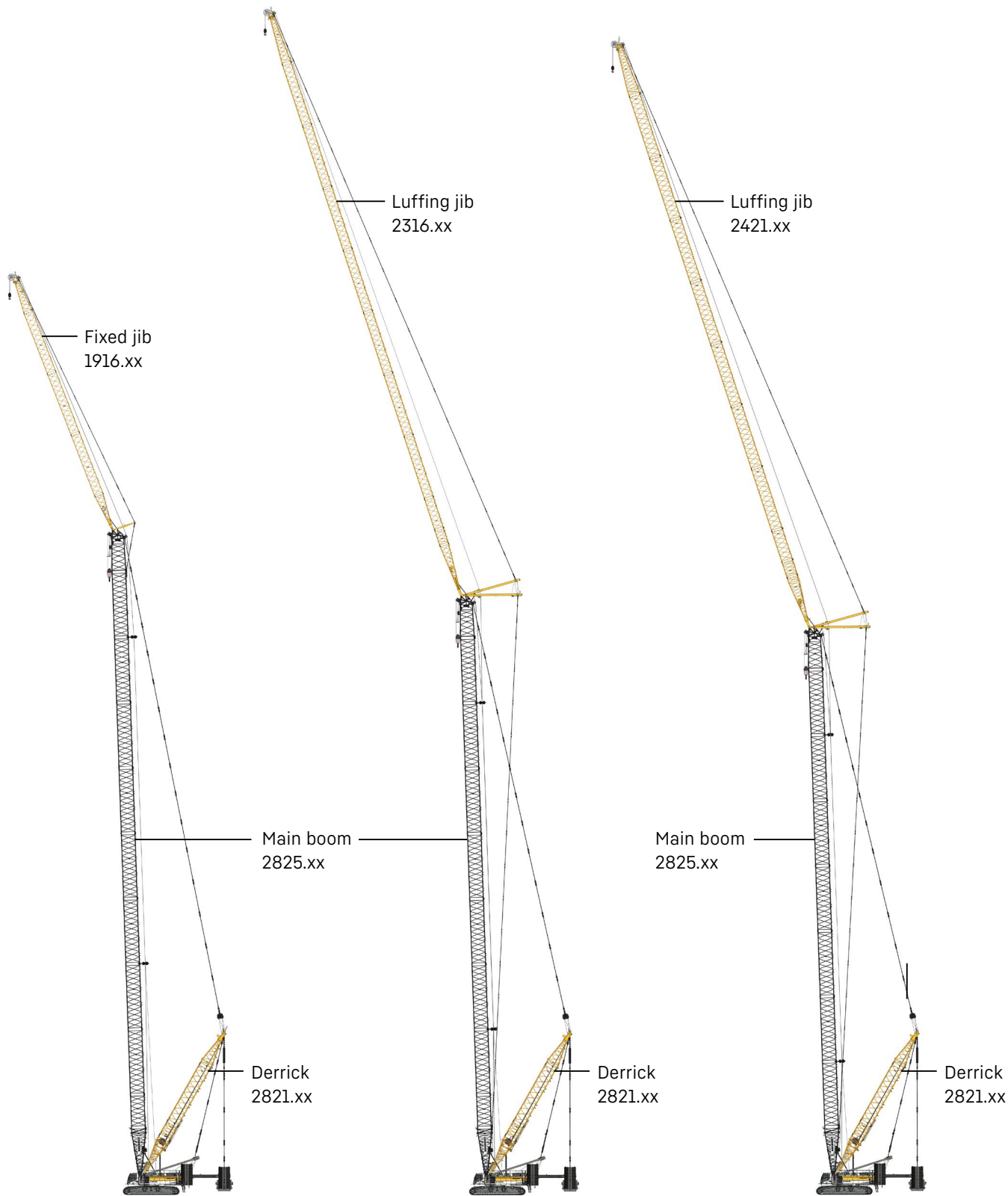


Main boom	
Mode 6	
Max. length	
2825.xx	m 119
Further information on page 12.	

Main boom + fixed jib	
Mode 8	
Max. length	
2825.xx	m 119
0906.21	m 7
Total length	m 126

Main boom + fixed jib	
Mode 8	
Max. combination	
2825.xx	m 119
1507.20	m 8
Total length	m 127
Further information on page 20.	

Main boom + fixed jib	
Mode 8	
Max. combination	
2825.xx	m 119
1713.xx	m 35
Total length	m 154



Main boom + fixed jib

Mode 8

Max. combination

2825.xx	m	119
1916.xx	m	50
Total length	m	169

Main boom + luffing jib

Mode 9

Max. combination

2825.xx	m	107	119
2316.xx	m	113	41
Total length	m	220	160

Main boom + luffing jib

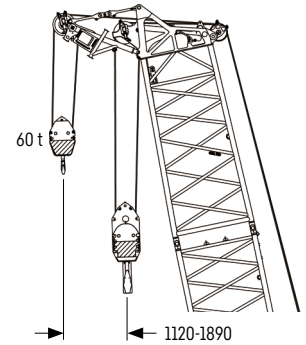
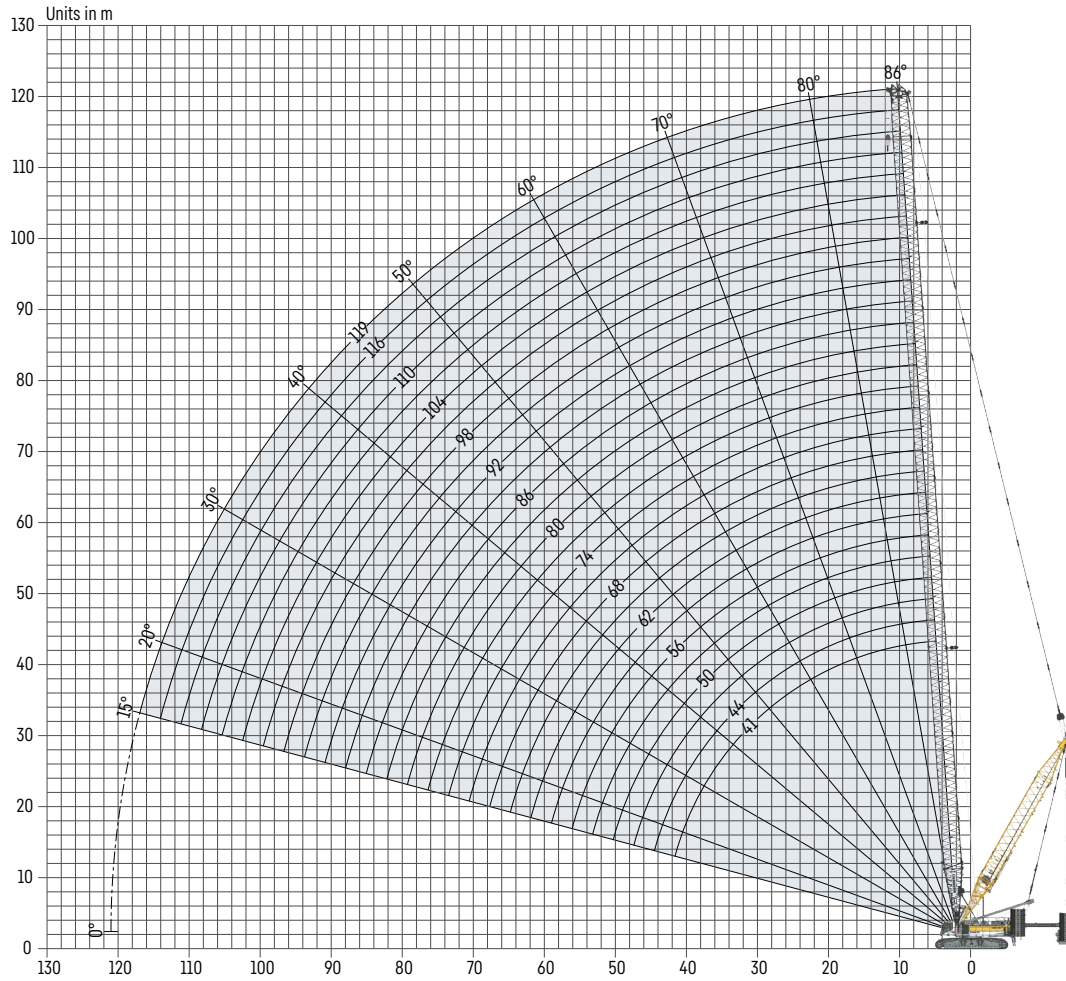
Mode 9

Max. combination

2825.xx	m	101	113
2421.xx	m	110	68
Total length	m	211	181

Further information on page 14.

Main boom 2825.xx (41-119 m)



Auxiliary jib 60 t (option)

The maximum capacity of the auxiliary jib for the main boom is 60 t. The corresponding load chart is programmed in the LML system.

Main boom configuration 2825.xx

Boom section	Amount of jib sections													
Boom foot 10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom section 3 m		1		1		1		1		1		1		1
Boom section 6 m			1	1			1	1			1	1		
Boom section 12 m	2	2	2	2	3	3	3	3	4	4	4	4	5	5
Boom head 7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom length [m]	41	44	47	50	53	56	59	62	65	68	71	74	77	80
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Boom foot 10 m	1	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			1	
Boom section 12 m	5	5	6	6	6	6	7	7	7	7	8	8	8	
Boom head 7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boom length [m]	83	86	89	92	95	98	101	104	107	110	113	116	119	
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				

Load capacities with main boom

Load capacity in [t]

	Boom length [m]											
	41	47	53	59	65	71	77	86	95	104	113	119
6.37	342.7											
7	342.7	341.4										
8	342.7	339.2	306.3	269.0								
9	342.7	335.9	298.1	261.4	230.0	193.0	168.8					
10	342.7	326.8	292.1	254.9	228.4	192.5	168.7	134.1				
11	342.7	319.6	286.4	252.6	227.3	192.0	168.4	133.9	109.4	90.0		
12	329.8	314.0	281.9	251.1	226.1	191.5	168.1	133.6	109.2	90.0	75.6	66.7
13	317.1	302.3	278.4	249.9	225.0	190.5	167.5	133.4	108.9	89.8	75.5	66.7
14	306.5	292.0	270.0	249.0	224.1	189.7	166.8	133.0	108.7	89.6	75.4	66.6
16	283.5	275.6	255.3	239.8	220.9	188.5	165.5	131.9	108.0	89.2	75.1	66.6
18	256.6	255.4	244.3	231.6	214.8	186.4	164.4	131.0	107.3	88.6	74.7	66.4
20	235.7	232.3	227.2	225.4	209.8	184.2	162.5	130.1	106.8	88.1	74.3	66.0
22	217.1	213.8	209.2	208.9	206.0	182.5	160.9	128.8	106.1	87.7	73.9	65.6
24	198.4	198.7	194.2	192.2	190.4	180.3	159.6	127.6	105.3	87.2	73.6	65.3
26	182.6	183.0	182.6	178.0	175.9	168.2	156.9	126.6	104.7	86.6	73.2	64.9
28	169.8	169.1	169.1	166.6	163.4	157.4	147.9	125.9	104.1	86.1	72.8	64.2
30	157.8	157.3	156.9	155.8	153.1	148.0	139.9	121.6	103.6	85.7	72.5	63.5
32	146.6	147.6	146.2	145.3	144.1	140.1	132.9	117.2	101.2	85.3	72.1	62.8
34	136.6	138.2	137.0	135.8	135.0	133.4	126.8	113.3	98.0	84.6	71.9	62.3
36	128.1	129.5	129.3	127.4	126.6	125.4	121.7	109.9	95.0	82.8	71.6	61.8
38	116.1	121.6	121.9	120.2	119.0	118.0	115.4	106.9	92.3	81.3	70.5	61.3
40	103.7	114.6	115.1	114.1	112.3	111.2	109.2	104.3	89.9	79.8	69.5	59.6
42		107.6	108.8	108.2	106.5	105.0	103.3	99.1	87.8	78.5	68.5	58.0
44		99.6	103.1	102.6	101.4	99.6	97.9	93.7	86.0	77.3	67.6	56.5
46		91.5	98.1	97.4	96.5	94.8	93.1	88.6	82.2	76.2	66.8	55.1
48			91.8	92.7	91.8	90.5	88.7	83.8	78.4	75.3	66.1	53.8
50			85.4	88.5	87.4	86.4	84.9	79.4	74.9	72.4	65.5	52.7
55				76.2	78.1	76.9	76.0	70.3	67.0	65.2	61.3	50.2
60					68.1	69.2	68.1	63.0	60.7	59.1	55.9	47.0
65					57.5	60.7	61.5	56.4	55.0	54.1	51.1	44.1
70						52.0	54.2	50.8	49.6	49.2	47.1	41.7
75							46.6	45.8	44.8	44.2	43.2	39.6
80								40.8	40.8	39.6	38.7	36.2
85								35.6	34.5	35.6	34.6	32.4
90									31.1	31.8	30.9	29.5
95										28.2	28.2	26.5
100										23.6	24.3	
105											20.4	
110											16.4	

Carbody counterweight: 52.6 t with 1500 mm track pads
 Rear counterweight: 80.5/120.5/150.9 t
 Suspended counterweight: 3.3-231.5 t, radius 12.5-16.3 m

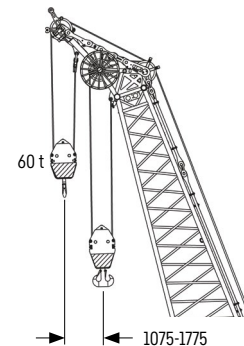
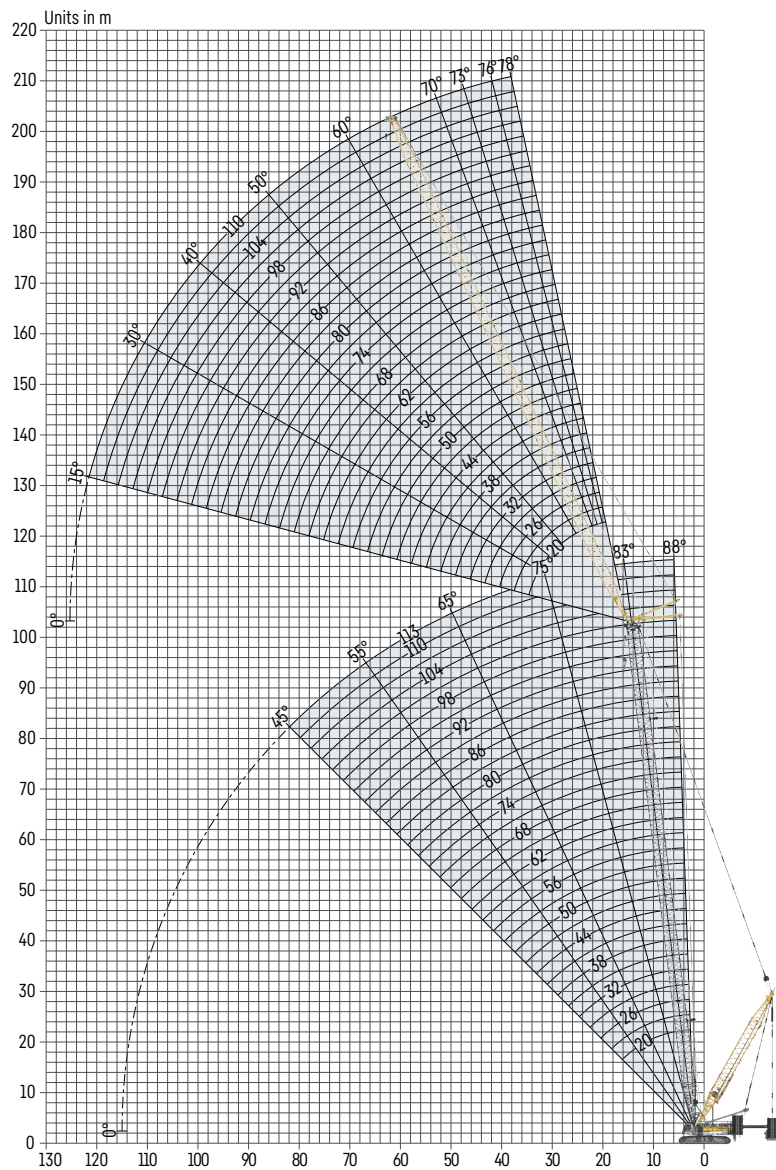
TLT 14147893/358688. Above load charts are for reference only. For actual lift duty please refer to load chart in operator's cabin or manual. Otherwise we recommend you to plan your lifting job using Crane Planner 2.0.



Crane Planner 2.0



Luffing jib 2421.xx (20-110 m)



Auxiliary jib 60 t (option)

The maximum capacity of the auxiliary jib for the luffing jib is 60 t.

Jib configuration 2421.xx

Jib section	Amount of jib sections															
Jib foot 10 m	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
Jib section 6 m			1	1			1	1			1	1			1	1
Jib section 12 m					1	1	1	1	2	2	2	2	3	3	3	3
Jib head 10 m	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
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Jib foot 10 m	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		
Jib section 6 m			1	1			1	1			1	1			1	
Jib section 12 m	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	
Jib head 10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Jib length [m]	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	
Auxiliary jib	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Maximum load capacity in [t]

	Main boom [m]																								
	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113
Jib length [m]	20	152.9	152.9	152.9	152.9	152.9	138.3	138.3	123.5	123.5	123.5	116.6	108.9												
	23	152.9	152.9	152.9	152.9	138.3	138.3	123.5	123.5	117.0	108.6		97.6	90.7	86.6										
	26	152.9	152.9	152.9	138.3	138.3	123.5	123.5	121.5	117.1	109.4	101.9	95.0	90.7	85.0	81.3	76.1	73.0	69.3						
	29	152.9	149.0	138.3	136.9	123.5	123.5	120.2	113.4	109.2	102.0	95.0	88.0	84.2	79.4	75.3	71.0	67.9	64.0	58.0	54.5	51.7	48.4		
	32	143.8	138.3	133.3	123.5	123.5	117.5	112.7	106.3	102.8	95.7	88.6	82.8	79.7	74.7	71.5	67.2	64.1	60.2	55.2	51.4	48.8	45.8	43.5	40.3
	35	133.2	128.9	123.5	118.9	115.4	109.5	105.4	99.6	95.8	88.9	82.7	77.3	74.0	69.9	66.6	62.0	59.3	55.9	51.1	48.0	45.6	42.7	40.2	37.9
	38	124.2	119.6	115.5	111.0	107.8	102.5	98.6	92.7	89.0	83.8	77.8	72.5	69.4	66.2	61.8	58.3	55.8	53.0	48.0	45.1	42.9	40.1	37.8	35.2
	41	115.2	111.8	107.7	103.4	100.8	95.8	91.6	86.6	83.1	77.8	72.7	67.8	65.1	60.8	57.8	55.0	52.2	49.1	44.9	42.1	40.4	37.4	35.2	32.7
	44	105.6	102.8	101.0	97.2	94.4	89.4	86.0	81.4	78.1	73.2	68.5	63.9	60.6	57.3	54.6	51.4	49.2	46.4	42.4	39.8	37.8	35.3	33.1	30.1
	47	97.4	95.1	93.0	90.0	87.6	83.5	80.4	76.1	73.0	68.4	63.8	59.2	57.1	53.6	51.4	48.1	46.0	43.7	39.9	37.1	35.2	32.8	30.4	27.8
	50	89.9	87.8	86.1	84.1	82.0	78.0	75.2	71.4	68.3	64.3	59.3	55.6	53.6	50.3	48.2	45.2	43.2	41.1	37.5	34.8	32.9	30.0	28.5	26.0
	53	83.8	81.7	80.0	78.0	76.1	73.0	70.1	66.8	63.8	59.3	55.4	51.8	49.7	47.0	44.7	42.5	40.3	38.0	34.6	31.5	30.0	27.7	25.9	24.1
	56	76.7	74.5	72.9	71.0	69.7	67.8	65.8	61.7	59.3	55.6	52.5	49.0	47.0	44.2	42.1	39.8	38.3	35.8	32.5	29.8	28.2	26.1	24.4	22.7
	59	71.8	69.8	68.4	66.6	65.3	62.9	60.7	57.6	55.4	52.1	48.7	45.6	44.2	41.3	39.6	37.1	35.4	33.6	29.9	27.4	26.2	24.2	22.7	20.7
	62	65.6	64.3	62.5	60.2	59.4	57.5	56.0	53.6	51.9	48.6	45.6	42.7	41.3	38.6	37.0	34.7	33.0	30.8	27.9	25.6	24.2	22.6	21.4	19.3
	65	57.7	56.6	55.5	54.3	53.4	52.1	50.8	49.4	48.2	45.5	42.6	39.8	38.2	36.2	34.4	31.4	30.1	28.3	25.6	23.7	22.5	20.6	19.2	17.7
	68	53.7	52.6	51.6	50.3	49.4	47.9	46.7	45.2	44.2	42.6	40.1	37.5	35.8	34.0	31.7	29.6	28.3	26.6	24.3	22.4	21.1	19.3	18.2	16.5
	71	50.2	48.8	47.7	46.3	45.6	44.2	43.1	41.7	40.8	39.4	37.3	34.9	33.8	30.8	29.3	27.4	26.5	24.6	22.2	20.6	19.7	17.7	16.5	14.9
	74	45.6	44.2	43.4	42.2	41.5	40.3	39.3	38.0	37.2	36.0	34.7	31.6	30.3	28.6	27.2	25.6	24.3	22.8	20.6	18.9	17.8	16.4	15.0	13.6
	77	41.4	40.3	39.5	38.4	37.8	36.7	35.8	34.7	33.9	32.9	31.1	29.3	28.3	26.5	25.4	23.7	22.5	21.2	19.1	17.3	16.3	14.8	13.8	
80	38.0	37.1	36.3	35.3	34.7	33.8	33.0	30.7	30.2	29.2	28.4	27.4	26.2	24.8	23.5	22.1	21.0	19.4	17.5	16.1	15.0	13.6	12.4		
83	34.1	33.3	32.6	30.7	30.2	29.4	28.7	27.9	27.4	26.5	25.8	24.9	24.4	22.8	21.6	20.3	19.3	17.8	15.8	14.5	13.7	12.2	11.1		
86	29.5	28.8	28.4	27.6	27.2	26.5	25.9	25.2	24.7	23.9	23.2	22.5	22.0	21.0	20.1	18.6	17.5	16.3	14.6	13.2	12.2	11.0	10.1		
89	27.0	26.3	25.8	25.2	24.8	24.1	23.6	22.9	22.4	21.7	21.2	20.4	20.0	19.2	18.2	16.9	16.0	14.8	13.0	11.8	10.9	9.7	8.6		
92	24.3	23.8	23.3	22.7	22.4	21.8	21.3	20.6	20.2	19.6	19.1	18.4	18.0	17.3	16.8	15.6	14.7	13.8	12.0	10.7	9.8	8.7	7.9		
95	22.5	21.9	21.5	21.0	20.7	20.0	19.6	19.0	18.6	18.0	17.5	16.9	16.4	15.9	15.2	14.4	13.3	12.2	10.6	9.5	8.8	7.5	6.5		
98	20.2	19.7	19.3	18.8	18.5	18.0	17.6	17.0	16.6	16.1	15.8	15.2	14.8	14.2	13.7	12.8	12.0	11.0	9.4	8.5	7.4	6.4	5.5		
101	18.9	18.4	18.1	17.6	17.3	16.8	16.4	15.6	15.3	14.8	14.3	13.8	13.4	12.8	12.4	11.5	10.7	9.9	8.3	7.1	6.3	5.3	4.5		
104	16.6	16.1	15.9	15.4	15.2	14.8	14.3	13.8	13.6	13.0	12.7	12.2	11.8	11.3	10.8	10.2	9.7	8.6	7.2	6.2	5.4	4.6	3.4		
107	14.8	14.4	14.1	13.6	13.4	13.0	12.6	12.2	12.0	11.5	11.1	10.6	10.3	9.8	9.4	8.9	8.3	7.4	5.9	5.2	4.3	3.2			
110	12.9	12.6	12.3	11.9	11.7	11.3	11.0	10.6	10.3	9.9	9.6	9.1	8.9	8.4	8.0	7.5	7.1	6.4	5.1	4.0	3.3				

Maximum pulley height in [m]

	Main boom [m]																									
	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113	
Jib length [m]	20	63.6	66.6	69.6	72.6	75.6	78.6	81.6	84.6	87.6	90.6	93.6	96.6													
	23	66.5	69.5	72.5	75.5	78.5	81.5	84.5	87.5	90.5	93.5	96.5	99.5	102.5	105.5	108.5										
	26	69.5	72.5	75.5	78.5	81.5	84.5	87.5	90.5	93.5	96.4	99.4	102.4	105.4	108.4	111.4	114.4	117.4	120.4							
	29	72.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4	99.4	102.4	105.4	108.4	111.4	114.4	117.4	120.4	123.4	126.4	129.4	132.4	135.4			
	32	75.3	78.3	81.3	84.3	87.3	90.3	93.3	96.3	99.3	102.3	105.3	108.3	111.3	114.3	117.3	120.3	123.3	126.3	129.3	132.3	135.3	138.3	141.3	144.3	147.3
	35	78.3	81.3	84.3	87.3	90.3	93.3	96.3	99.3	102.3	105.3	108.3	111.2	114.2	117.2	120.2	123.2	126.2	129.2	132.2	135.2	138.2	141.2	144.2	147.2	150.2
	38	81.2	84.2	87.2	90.2	93.2	96.2	99.2	102.2	105.2	108.2	111.2	114.2	117.2	120.2	123.2	126.2	129.2	132.2	135.2	138.2	141.2	144.2	147.2	150.2	153.2
	41	84.1	87.1	90.1	93.1	96.1	99.1	102.1	105.1	108.1	111.1	114.1	117.1	120.1	123.1	126.1	129.1	132.1	135.1	138.1	141.1	144.1	147.1	150.1	153.1	156.1
	44	87.1	90.1	93.1	96.1	99.1	102.1	105.1	108.1	111.1	114.1	117.1	120.1	123.1	126.0	129.0	132.0	135.0	138.0	141.0	144.0	147.0	150.0	153.0	156.0	159.0
	47	90.0	93.0	96.0	99.0	102.0	105.0	108.0	111.0	114.0	117.0	120.0	123.0	126.0	129.0	132.0	135.0	138.0	141.0	144.0	147.0	150.0	153.0	156.0	159.0	162.0
	50	92.9	95.9	98.9	101.9	104.9	107.9	110.9	113.9	116.9	119.9	122.9	125.9	128.9	131.9	134.9	137.9	140.9	143.9	146.9	149.9	152.9	155.9	158.9	161.9	164.9
	53	95.9	98.9	101.9	104.9	107.9	110.9	113.9	116.9	119.9	122.9	125.9	128.9	131.9	134.9	137.9	140.8	143.8	146.8	149.8	152.8	155.8	158.8	161.8	164.8	167.8
	56	98.8	101.8	104.8	107.8	110.8	113.8	116.8	119.8	122.8	125.8	128.8	131.8	134.8	137.8	140.8	143.8	146.8	149.8	152.8	155.8	158.8	161.8	164.8	167.8	170.8
	59	101.7	104.7	107.7	110.7	113.7	116.7	119.7	122.7	125.7	128.7	131.7	134.7	137.7	140.7	143.7	146.7	149.7	152.7	155.7	158.7	161.7	164.7	167.7	170.7	173.7
	62	104.7	107.7	110.7	113.7	116.7	119.7	122.7	125.7	128.7	131.7	134.7	137.7	140.7	143.7	146.7	149.7	152.6	155.6	158.6	161.6	164.6	167.6	170.6	173.6	176.6
	65	107.6	110.6	113.6	116.6	119.6	122.6	125.6	128.6	131.6	134.6	137.6	140.6	143.6	146.6	149.6	152.6	155.6	158.6	161.6	164.6	167.6	170.6	173.6	176.6	179.6
	68	110.5	113.5	116.5	119.5	122.5	125.5	128.5	131.5	134.5	137.5	140.5	143.5	146.5	149.5	152.5	155.5	158.5	161.5	164.5	167.5	170.5	173.5	176.5	179.5	182.5
	71	113.5	116.5	119.5	122.5	125.5	128.5	131.5	134.5	137.5	140.5	143.5	146.5	149.5	152.5	155.5	158.5	161.5	164.5	167.4	170.4	173.4	176.4	179.4	182.4	
	74	116.4	119.4	122.4	125.4	128.4	131.4	134.4	137.4	140.4	143.4	146.4	149.4	152.4	155.4	158.4	161.4	164.4	167.4	170.4	173.4	176.4	179.4	182.4	185.4	
	77	119.4	122.3	125.3	128.3	131.3	134.3	137.3	140.3	143.3	146.3	149.3	152.3	155.3	158.3	161.3	164.3	167.3	170.3	173.3	176.3	179.3	182.3	185.3		
80	122.3	125.3	128.3	131.3	134.3	137.3	140.3	143.3	146.3	149.3	152.3	155.3	158.3	161.3	164.3	167.3	170.3	173.3	176.3	179.3	182.2	185.2	188.2			
83	125.2	128.2	131.2	134.2	137.2	140.2	143.2	146.2	149.2	152.2	155.2	158.2	161.2	164.2	167.2	170.2	173.2	176.2	179.2	182.2	185.2	188.2	191.2			
86	128.2	131.2	134.2	137.1	140.1	143.1	146.1	149.1	152.1	155.1	158.1	161.1	164.1	167.1	170.1	173.1	176.1	179.1	182.1	185.1	188.1	191.1	194.1			
89	131.1	134.1	137.1	140.1	143.1	146.1	149.1	152.1	155.1	158.1	161.1	164.1	167.1	170.1	173.1	176.1	179.1	182.1	185.1	188.1	191.1	194.1	197.0			
92	134.0	137.0	140.0	143.0	146.0	149.0	152.0	155.0	158.0	161.0	164.0	167.0	170.0	173.0	176.0	179.0	182.0	185.0	188.0	191.0	194.0	197.0	200.0			
95	137.0	140.0	143.0	146.0	149.0	151.9	154.9	157.9	160.9	163.9	166.9	169.9	172.9	175.9	178.9	181.9	184.9	187.9	190.9	193.9	196.9	199.9	202.9			
98	139.9	142.9	145.9	148.9	151.9	154.9	157.9	160.9	163.9	166.9	169.9	172.9	175.9	178.9	181.9	184.9	187.9	190.9	193.9	196.9	199.9	202.9	205.9			
101	142.8	145.8	148.8	151.8	154.8	157.8	160.8	163.8	166.8	169.8	172.8	175.8	178.8	181.8	184.8	187.8	190.8	193.8	196.8	199.8	202.8	205.8	208.8			
104	145.8	148.8	151.8	154.8	157.8	160.8	163.8	166.7	169.7	172.7	175.7	178.7	181.7	184.7	187.7	190.7	193.7	196.7	199.7	202.7	205.7	208.7	211.7			
107	148.7	151.7	154.7	157.7	160.7	163.7	166.7	169.7	172.7	175.7	178.7	181.7	184.7	187.7	190.7	193.7	196.7	199.7	202.7	205.7	208.7	211.7				
110	151.6	154.6	157.6	160.6	163.6	166.6	169.6	172.6	175.6	178.6	181.6	184.6	187.6	190.6	193.6	196.6	199.6	202.6	205.6	208.6	211.6					

Load capacities with luffing jib

Load capacity in [t] with 41 m main boom [88/83/75/65°]

	Jib length 20 m				Jib length 38 m				Jib length 56 m			
	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °
Radius [m]	9.1	152.9										
	12	152.9										
	13	148.7			124.2							
	14	144.2			121.8							
	16	124.4	152.9		111.3							
	18	106.5	148.3		100.5				76.4			
	20	87.0	120.1		89.6	113.1			74.1			
	22	72.0	101.2		80.0	99.8			70.3			
	24		85.9	142.9	71.9	86.5			66.2			
	26		71.9	118.8	63.8	75.9			62.0	72.1		
	28			101.1	57.3	68.3			56.6	67.2		
	32			72.6	47.7	57.0	75.7		48.9	54.8		
	34				43.6	52.3	67.7		44.8	49.9		
	36			107.9	40.2	48.0	61.8		41.1	46.2		
	38			93.0	36.3	44.3	57.3		38.0	42.9	52.3	
	40			80.1	32.3	40.8	52.4		35.4	40.0	50.2	
	44					32.8	43.4	58.2	31.6	35.4	42.7	
	50						32.9	45.3	25.9	29.9	35.9	
	55							38.0	21.3	25.5	30.6	36.9
	60									20.3	26.0	31.8
	65										21.8	28.0
	70											24.5
	Jib length 74 m				Jib length 92 m				Jib length 110 m			
	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °
Radius [m]	22	45.5										
	24	45.0										
	26	44.5			24.2							
	28	43.6			23.8							
	30	42.9			23.4				12.9			
	32	42.1	43.9		22.9				12.6			
	34	40.0	43.0		22.5				12.3			
	36	38.1	42.3		22.1	22.6			12.0			
	38	36.5	40.2		21.8	22.5			11.7			
	40	35.2	37.5		21.1	22.1			11.4			
	42	33.1	35.2		20.5	21.8			11.2	11.5		
	46	29.0	31.8	37.0	19.4	20.7			10.7	11.2		
	48	27.0	29.9	35.9	19.0	20.2			10.3	11.0		
	55	21.9	24.7	28.6	16.1	18.0	19.7		9.2	10.0		
	65	16.5	17.8	21.2	13.3	14.7	16.4		7.1	8.3	9.2	
	75	11.6	13.4	16.4	9.6	11.1	13.6	14.8	5.1	6.2	7.5	
	80			14.7	8.2	9.5	11.7	13.7			6.4	
	85			12.3	6.8	8.1	10.1	12.5				6.0
	90			14.3	5.3	6.6	8.7	10.8				5.5
	95					5.1	7.2	9.4				
	100						5.8	8.1				
	105							6.7				

Carbody counterweight: 52.6 t with 1500 mm track pads
 Rear counterweight: 80.5/120.5/150.9 t
 Suspended counterweight: 3.3-231.5 t, radius 12.5-16.3 m

TLT 14147893 / 358688. 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 luffing jib

Load capacity in [t] with 65 m main boom [88/83/75/65°]

	Jib length 20 m				Jib length 38 m				Jib length 56 m			
	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °
Radius [m]	9.94	123.5										
	12	123.5										
	14	114.4			89.0							
	16	106.0			85.0							
	18	98.5	123.5		79.7				59.3			
	20	88.8	119.1		75.4				57.5			
	22	80.2	110.4		71.0				55.4			
	24	65.3	103.0		67.8	85.9			52.9			
	28		80.5		58.6	76.8			48.6	59.3		
	30		65.6	117.1	55.4	72.8			46.5	58.2		
	32			109.6	50.6	65.7			44.9	56.0		
	34			101.0	46.3	59.9			42.7	53.9		
	38			77.3	39.0	50.8	77.7		38.2	49.9		
	42				30.9	43.4	63.1		34.7	42.8		
	44			97.1		39.6	58.4		32.5	39.7		
	46			90.6		35.7	53.8		30.8	37.0	51.2	
	50			70.0			44.7		27.1	32.8	43.6	
	55						36.0	57.1	22.7	28.6	37.4	
	60							47.3		24.2	32.0	
	65							39.0		19.5	27.4	37.5
	70										23.3	31.8
	80											24.9
	Jib length 74 m				Jib length 92 m				Jib length 110 m			
	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °
Radius [m]	22	37.2										
	24	37.0										
	26	36.8			20.2							
	28	35.8			20.0							
	30	34.8			19.7				10.3			
	32	33.9			19.4				10.2			
	34	32.6	36.7		19.1				9.9			
	36	31.8	36.5		18.8				9.8			
	40	31.8	35.8		18.3	19.1			9.3			
	44	30.1	34.0		17.6	18.8			9.0	9.4		
	48	27.0	32.3		17.1	18.3			8.6	9.2		
	55	22.8	27.0	34.1	15.3	17.4			7.8	8.7		
	60	19.7	23.7	30.2	13.9	16.0	17.1		7.2	8.2		
	70	15.3	18.2	23.4	11.1	13.6	16.0		5.2	6.6	7.7	
	75	12.6	16.0	20.0	9.6	11.8	14.5		4.4	5.7	7.3	
	80		13.6	17.3	8.3	10.2	13.4			5.0	6.7	
	85			15.7	7.0	8.9	11.8	13.6			5.7	
	90			13.3	5.6	7.6	10.3	13.0			5.0	
	95			16.2		6.2	9.0	12.1				5.0
	100			14.6		4.7	7.7	10.6				4.6
	105						6.3	9.4				
	115							7.0				

Carbody counterweight: 52.6 t with 1500 mm track pads
 Rear counterweight: 80.5/120.5/150.9 t
 Suspended counterweight: 3.3-231.5 t, radius 12.5-16.3 m

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Load capacities with luffing jib

Load capacity in [t] with 89 m main boom [88/83/75/65°]

	Jib length 26 m				Jib length 38 m				Jib length 56 m			
	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °
12.02	73.0											
14	69.4											
16	65.5				54.5							
18	61.0				51.8							
20	57.6				49.4				37.8			
22	54.6	68.8			46.6				36.2			
26	49.3	61.1			42.4	52.9			33.0			
30	45.3	54.9			38.8	48.0			31.8			
32		52.2			37.2	45.8			31.8	36.6		
34		49.7			35.5	43.6			31.8	35.1		
38		45.6	59.6		32.7	39.9			31.4	31.8		
42			53.3		31.8	36.4			29.6	31.8		
44			50.8			35.0	46.1		28.6	31.8		
46			48.4			33.6	43.8		27.6	31.8		
50			44.3			31.8	39.8		25.8	31.8		
55							35.4		22.9	29.3	31.8	
60				52.1			31.8		16.5	26.9	31.8	
65				46.8				42.6		22.4	31.2	
70								38.8			29.2	
75								35.3			25.9	29.8
80											21.3	28.8
90												25.2
	Jib length 74 m				Jib length 92 m				Jib length 110 m			
	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °
24	24.0											
26	23.0											
28	22.2				14.6							
30	21.3				13.9				7.1			
34	19.8				12.7				6.7			
38	18.0	23.2			11.6				5.9			
42	16.7	21.5			10.6	14.1			4.9			
44	16.0	20.6			10.0	13.9			4.6			
48	16.0	18.9			9.0	12.7			3.8	6.4		
50	16.0	18.3			8.6	12.2			3.4	6.3		
60	16.0	16.0	20.0		6.1	9.6				4.4		
65	15.0	16.0	18.6		5.1	8.2				3.4		
70	13.8	16.0	16.6		4.2	7.0	11.2					
75	12.3	16.0	16.0		3.4	6.0	10.3				4.5	
80		14.6	16.0			5.0	8.8				4.2	
85		12.5	16.0	17.5		4.1	7.7					
90			16.0	17.4		3.3	6.5					
95			14.9	16.4			5.4	9.3				
105				16.0			3.6	9.1				
110				14.7				8.4				
120								6.8				
130								4.3				

Carbody counterweight: 52.6 t with 1500 mm track pads

Rear counterweight: 80.5/120.5/150.9 t

Suspended counterweight: 3.3-231.5 t, radius 12.5-16.3 m

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Load capacities with luffing jib

Load capacity in [t] with 113 m main boom [88/83/75/65°]

	Jib length 32 m				Jib length 38 m				Jib length 44 m			
	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °
Radius [m]												
14.11	38.1											
16	36.8				33.1							
18	35.0				31.8				27.9			
20	33.0				31.8				26.5			
24	31.8				31.8				24.2			
28	31.8	34.4			30.1				22.3			
30	31.8	32.6			29.1	31.7			21.3			
32	30.9	31.8			28.2	30.7			20.4	25.4		
36	29.2	31.7			26.2	28.9			19.0	23.1		
38		30.8			25.5	27.9			18.2	22.3		
42		29.1			24.2	26.3			16.8	20.3		
46		27.7				24.9			16.0	18.8		
48			31.7			24.3				18.0		
50			30.8			23.7	27.6			17.3		
55			28.9				26.0			16.0	21.8	
60			27.5				24.6				19.6	
65							23.4				17.7	
70				31.8							16.2	
75				31.8				29.1			16.0	
80				31.0				27.9				22.6
85								26.6				21.4
90												19.9
	Jib length 50 m				Jib length 59 m				Jib length 68 m			
	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °	88 °	83 °	75 °	65 °
Radius [m]												
18	24.3											
20	23.3				19.3							
22	22.2				18.4				15.4			
26	20.2				16.8				14.0			
28	19.4				16.1				13.2			
32	17.8	22.4			16.0				12.0			
36	16.4	20.4			16.0	17.1			10.8			
38	16.0	19.4			16.0	16.3			10.4	13.8		
42	16.0	17.8			15.8	16.0			9.3	12.5		
46	16.0	16.4			14.9	16.0			8.3	11.2		
50	16.0	16.0			13.9	15.3			7.5	10.2		
55	15.9	16.0	19.4		12.9	14.3			6.5	8.8		
60		16.0	17.3		12.1	13.4	15.6		5.7	7.8		
65		15.4	16.0			12.6	14.7		5.0	6.7	11.0	
70			16.0			11.9	13.9		4.4	5.8	9.6	
80			15.4	19.4			12.4			4.3	7.3	
85				19.3			11.9				6.2	
90				18.1				16.0			5.4	
95				16.8				16.0			4.7	11.5
100								15.9				10.8
105								15.7				9.9
115												8.2

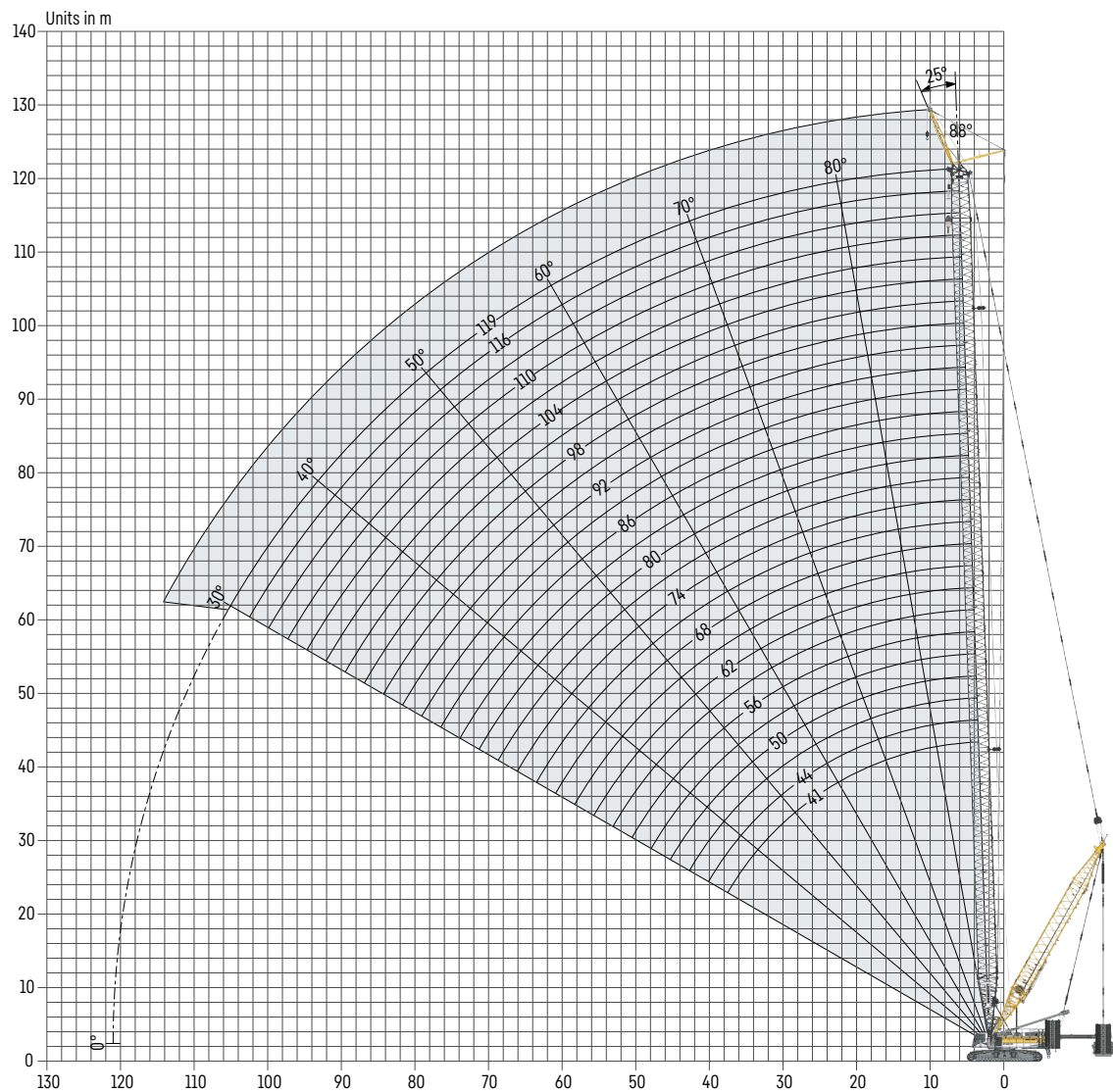
Carbody counterweight: 52.6 t with 1500 mm track pads

Rear counterweight: 80.5/120.5/150.9 t

Suspended counterweight: 3.3-231.5 t, radius 12.5-16.3 m

TLT 14147893 / 358688. 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 1507.20 (8 m)



Maximum load capacity in [t] with 8 m jib length

Main boom [m]																							
41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110
117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	111.6	104.5	98.5	92.4	87.7	82.6	76.6	72.2	68.6	64.5	60.9	57.4

Maximum pulley height in [m] with 8 m jib length

Main boom [m]																							
41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110
51.1	54.0	57.0	60.0	63.0	66.0	69.0	71.9	74.9	77.9	80.9	83.9	86.9	89.9	92.9	95.9	98.9	101.9	104.9	107.8	110.8	113.8	116.8	119.8

Load capacities with fixed jib

Load capacity in [t] with 41 m main boom

Radius [m]	Jib length 8 m
9.06	117.0
12	117.0
14	113.4
16	109.7
18	104.9
20	100.1
24	92.5
28	85.7
32	80.7
36	76.4
40	73.6
46	70.7

Load capacity in [t] with 56 m main boom

Radius [m]	Jib length 8 m
9.95	117.0
14	117.0
16	113.8
18	110.0
20	107.3
24	99.3
28	93.9
32	88.5
38	82.7
44	77.7
50	74.2
55	72.7

Load capacity in [t] with 71 m main boom

Radius [m]	Jib length 8 m
10.79	117.0
12	117.0
14	116.4
16	115.8
20	109.2
26	100.5
32	93.6
38	87.5
44	82.9
50	78.2
60	71.7
70	58.6

Load capacity in [t] with 86 m main boom

Radius [m]	Jib length 8 m
11.61	92.4
16	92.4
26	92.4
28	91.9
30	91.3
34	90.3
38	89.6
44	83.4
50	78.7
60	66.7
70	55.9
85	38.4

Load capacity in [t] with 101 m main boom

Radius [m]	Jib length 8 m
12.42	68.6
26	68.6
42	68.6
44	68.3
46	67.6
48	67.0
50	66.4
60	64.2
70	52.6
80	43.4
90	35.6
95	32.1

Load capacity in [t] with 119 m main boom

Radius [m]	Jib length 8 m
13.38	48.7
18	48.7
24	48.7
26	48.5
32	48.1
38	46.8
44	45.4
50	44.5
60	44.5
70	44.1
90	32.1
110	20.3

Carbody counterweight: 52.6 t with 1500 mm track pads
 Rear counterweight: 80.5/120.5/150.9 t
 Suspended counterweight: 3.3-231.5 t, radius 12.5-16.3 m

TLT 14147893/358688. 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.

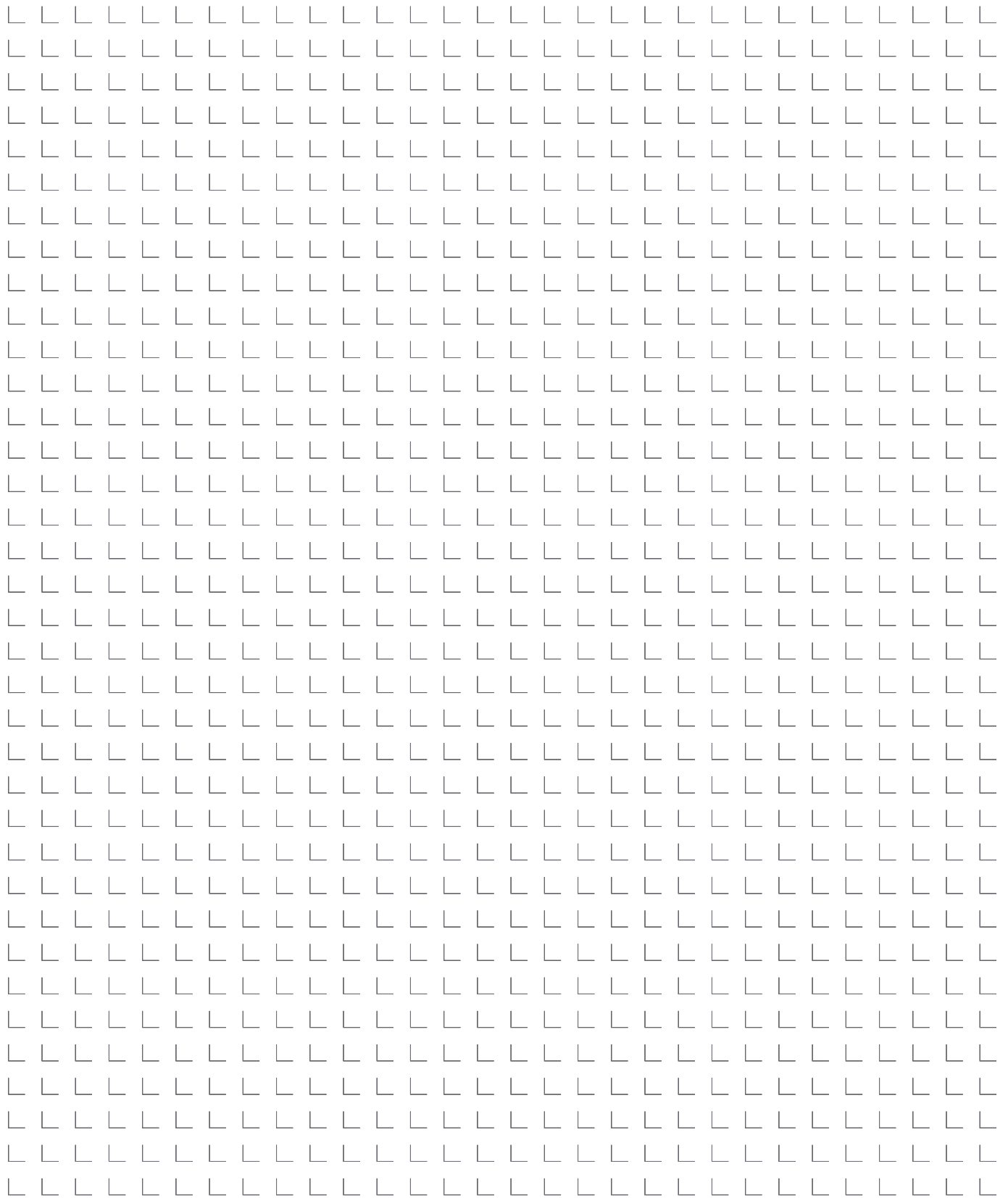


Crane Planner 2.0



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A 20x20 grid of small L-shaped icons. Each icon is composed of two perpendicular line segments meeting at a corner, forming an 'L' shape. The grid is uniform, with the same icon repeated in every cell.





Download datasheet



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