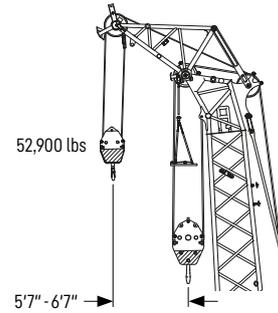
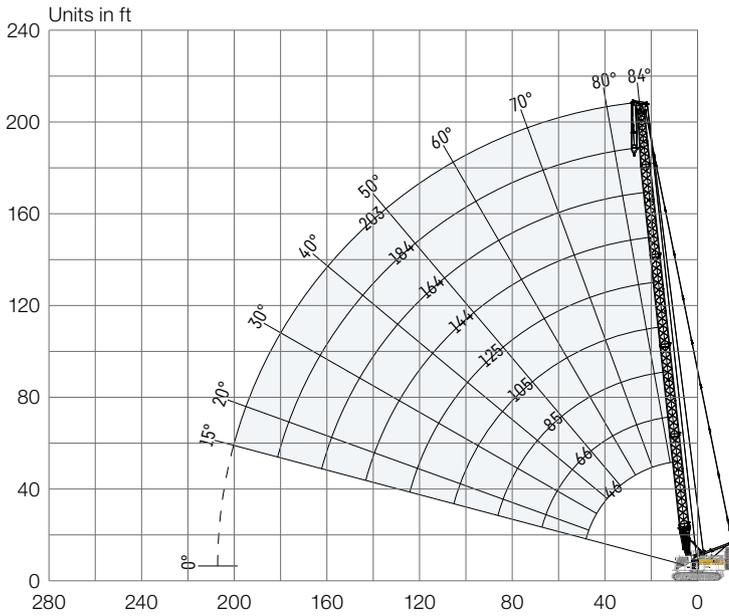


# Main boom 1512.21

## 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
<b>Boom length [ft]</b>	<b>46</b>	<b>66</b>	<b>85</b>	<b>105</b>	<b>125</b>	<b>144</b>	<b>164</b>	<b>184</b>	<b>203</b>
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

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.

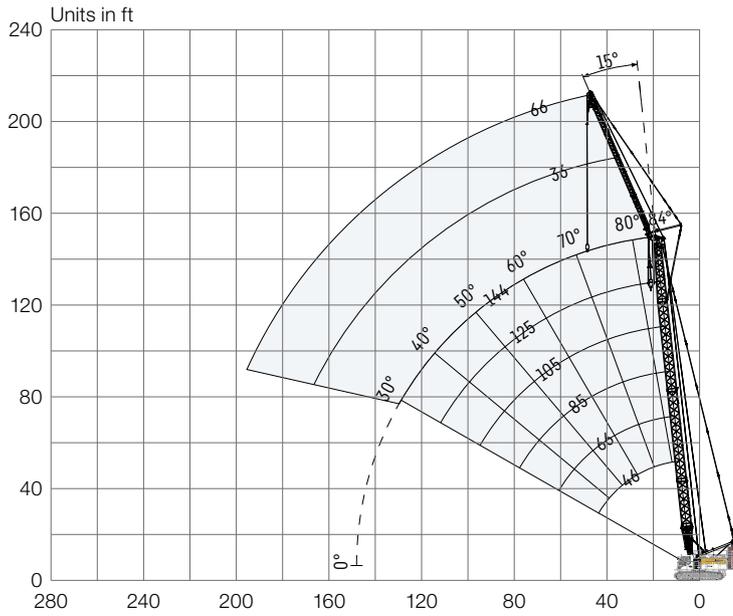


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**Crane Planner 2.0**

# 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
<b>Jib length [ft]</b>	<b>36</b>	<b>66</b>

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)
	26	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)
	26			
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)
	26			
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

TLT 13669693 0 V11. 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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**Crane Planner 2.0**

# 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	36.9		
35	34.7	34.7	21.9	21.9
40	33.0	33.0	20.9	20.9
45	31.2	31.2	19.8	19.8
50	30.0	30.0	19.1	19.1
55	28.5	28.5	18.4	18.4
60	27.3	27.3	18.0	18.0
65	24.9	26.4	17.3	17.3
70	22.4	24.7	16.6	16.6
75	20.2	22.4	16.0	16.0
80	18.3	20.4	15.5	15.5
85	16.6	18.6	15.0	15.0
90	15.2	17.0	14.5	14.5
95	13.9	15.6	14.0	14.0
100	12.7	14.4	13.2	13.6
105	11.7	13.2	12.3	13.2
110	10.7	12.2	11.3	12.7
115	9.8	11.3	10.4	11.8
120	9.0	10.4	9.6	11.0
125	8.3	9.6	8.9	10.2
130	7.6	8.9	8.2	9.5
135			7.6	8.8
140			7.0	8.2
145			6.4	7.6
150			5.9	7.0
155			5.3	6.4
160			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 V11. 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 V11. 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.