

ZOOMLION

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ALL-TERRAIN CRANE ZAT1500



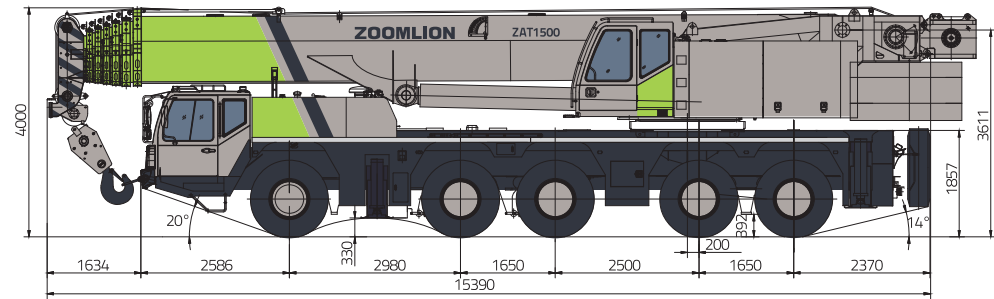
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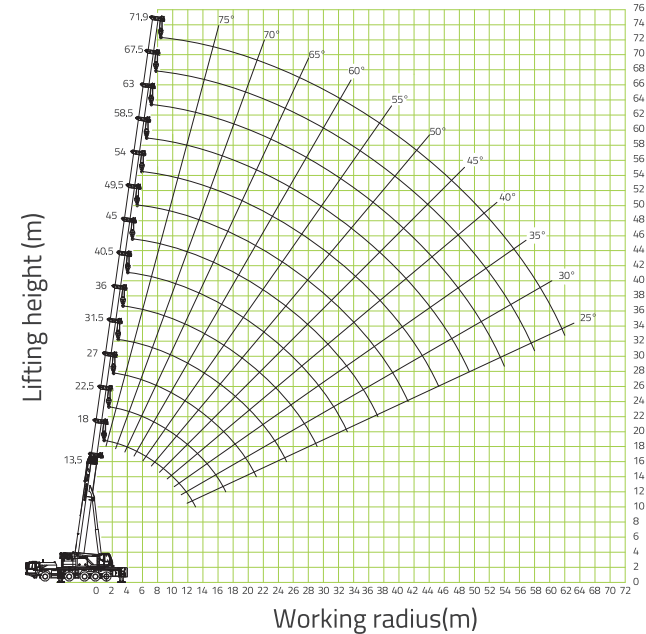
Lifting Capacity

- 1. This high-tech product, combining mechanical, electrical and hydraulic systems as a whole, has so many advantages, such as good control performance, excellent micro-positioning performance, great lifting capacity and super lifting height, that it is active in various fields.
- 2. The 5-axle (3 axle driven and all axles steered) full-width special purpose chassis is manufactured by Zoomlion, providing wide vision, spacious cab and luxurious decoration.
- 3. The latest electro-hydraulic proportional directional control valve with load sensing function, multiple plunger variable pumps and open / closed variable system ensure that each executive mechanism makes full use of its work capability.
- 4. The safety devices, such as relief valve, balance valve, hydraulic lock and brake valve, etc. in the hydraulic system, are against rupture of pipes and hoses.

Overall View (Unit: Metric mm)



Lifting Height Chart



Technical Data

	Item	Unit	Value	Remarks
Working performance	Max. rated lifting capacity	kg	150000	At 3 m radius
	Max. load moment of basic boom	kN.m	4704	At 6 m radius
	Max. load moment of main boom (fully extended)	kN.m	1505	At 32 m radius
	Max. lifting height of basic boom	m	13.0	
	Max. lifting height of main boom	m	72	
	Max. lifting height of jib	m	87/(95)	The parameters do not include deflection of main boom and jib. The value in the brackets is the value with the extension installed.
Working speeds	Max. hoist rope speed (Main winch)	m/min.	114	
	Max. hoist rope speed (Auxiliary winch)	m/min.	74	At the 4 th layer
	Boom derricking up time	s	70	At the 3 rd layer
	Boom extending time	s	860	
	Max. slewing speed	r/min.	1.4	
Driving	Max. height above sea level	m	2000	
	Max. driving speed	km/h	75	
	Max. gradeability	%	40	
	Min. turning diameter	m	≤20 (385/95 R25) ≤21.7 (445/95 R25)	
	Min. ground clearance	mm	305 (385/95 R25) 355 (445/95 R25)	
	Limits for exhaust pollutants and smoke		Conform to related standards	GB3847-2005/GB17691-2005 (National Stage IV)
	Fuel consumption per hundred kilometers	L	76	
Mass	Deadweight in driving condition	kg	60000	
	Complete vehicle kerb mass	kg	59805	
	Load on axles 1, 2 and 3	kg	12000	
	Load on axles 4 and 5	kg	12000	
Dimension	Dimension (L × W × H)	mm	15390 × 3000 × 4000(385/95 R25) 15390 × 3000 × 4030(445/95 R25)	
	Outrigger spread (L)	m	8.43	
	Outrigger spread (W)	m	7.8(fully extended), 5.3(intermediately extended)	
	Main boom length	m	13.5 – 72	
	Boom angle	°	-0.5 – 82	
	Jib length	m	11, 18.6	
	Jib + extension length	m	26.6	
	Offset	°	0, 30	

Rated Lifting Capacity Tables

Table 1 Main boom Unit: Metric tons

Outriggers fully extended, with 45 tons counterweight, over full range														
Radius (m)	Boom length (m)													
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72
3	150*	100*	90											
3.5	105*	95*	87	75										
4	100*	90	83	75										
4.5	96*	85	78	75	60									
5	92*	80	73	70	58									
5.5	86	75	68	65	55	45								
6	80	70	63	60	52	45								
7	67	65	58	55	49	45	35							
8	58	58	53	50	46	43	33							
9	50	50	50	47	43	41	30.5	28						
10		44	44	44	40	38	29	28						
11		39	39	39	37.5	35.5	27.5	26	23					
12		35	35	35	35	33	26	24	21.5	19				
14			29	29.5	32.5	29	23.5	21.4	19	17	15			
16			23	23.6	24.6	25	21.5	19.2	17.2	15.4	13.5	12		
18				19.6	20.4	21	19.5	17	15.6	13.9	12.5	11	9	
20				16.4	17.2	18	17.6	15.2	14	12.6	11.5	10.1	8.2	7
22					14.5	15	15.4	13.8	12.4	11.3	10.5	9.3	7.6	6.5
24					12.4	13	13.6	12.4	11.2	10.2	9.5	8.5	7.1	6.1
26						11.2	11.8	11	10.2	9.2	8.6	7.8	6.6	5.7
28						9.8	10.4	9.8	9.4	8.4	7.9	7.2	6.2	5.4
30							9.2	8.6	8.6	7.6	7.2	6.7	5.8	5.1
32							8.2	7.6	7.6	7	6.5	6.2	5.4	4.8
34							6.7	6.7	6.4	5.9	5.7	5	4.5	
36							5.9	5.9	5.8	5.4	5.2	4.7	4.2	
38								5.2	5.2	5	4.7	4.4	3.9	
40								4.6	4.6	4.6	4.4	4.1	3.7	
42									4.0	4.2	4.1	3.8	3.5	
44									3.5	3.7	3.9	3.6	3.2	
46										3.3	3.6	3.4	3	
48										2.9	3.2	3.2	2.8	
50											2.8	2.9	2.6	
52											2.4	2.6	2.4	
54												2.3	2.2	
56												2.1	2	
58													1.8	
60														1.6
Reeving	14	14	12	10	8	6	5	4	3	3		2	2	2
Hook	90 tons				55 tons				25 tons					
Telescoping mode	I	1	1	1	2	2	2	2	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	3	3	3	3	3	4
	III	1	1	2	2	2	2	2	2	3	3	3	3	4
	IV	1	1	1	1	2	2	2	2	2	3	3	3	4
	V	1	1	1	1	1	2	2	2	2	2	3	3	4
	VI	1	1	1	1	1	2	2	2	2	2	3	3	4

Note: The data indicated with an asterisk (*) are suitable for 110 tons hook. (The data '150' is the nominal lifting capacity.)

Table 2 Main boom Unit: Metric tons

Outriggers fully extended, with 32 tons counterweight, over full range														
Radius (m)	Boom length (m)													
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72
3	110*	100*	90											
3.5	105*	95*	87	75										
4	100*	90	83	75										
4.5	94*	85	78	75	60									
5	88	80	73	70	58									
5.5	82	75	68	65	55	45								
6	76	70	63	60	52	45								
7	62	61	58	55	49	45	35							
8	53	53	53	50	46	43	33							
9	46	46	46	46	43	41	30.5	28						
10		40	40	40	40	38	29	28						
11		35	35	35	36	35.5	27.5	26	23					
12		31	31	30.5	31	32	26	24	21.5	19				
14			24	23.5	24	25	23.5	21.4	19	17	15			
16			19	18.5	19	20	21	19.2	17.2	15.4	13.5	12		
18				15	15.5	16	17	16.5	15.6	13.9	12.5	11	9	
20				12	13	13.5	14.5	13.8	13.8	12.6	11.5	10.1	8.2	7
22					10.5	11	12	11.5	11.5	11.3	10.5	9.3	7.6	6.5
24					9	9.5	10.5	10	10	10	9.5	8.5	7.1	6.1
26						8.2	9	8.5	8.5	8.6	8.6	7.8	6.6	5.7
28						7.2	8	7.4	7.4	7.5	7.8	7.2	6.2	5.4
30							6.8	6.3	6.3	6.4	6.7	6.7	5.8	5.1
32							6	5.4	5.4	5.5	5.8	6.1	5.4	4.8
34								4.6	4.6	4.7	5	5.3	5	4.5
36								3.9	3.9	4	4.3	4.6	4.6	4.2
38									3.3	3.4	3.7	4	4.2	3.9
40									2.7	2.9	3.2	3.5	3.8	3.7
42										2.4	2.7	3	3.4	3.4
44										1.9	2.2	2.5	2.9	3
46											1.8	2.1	2.4	2.5
48											1.4	1.7	2.1	2.2
50												1.4	1.7	1.8
52													1.4	1.5
54														1.1
56														1.2
Reeving	14	14	12	10	8	6	5	4	3	3		2	2	2
Hook	90 tons				55 tons				25 tons					
Telescoping mode	I	1	1	1	2	2	2	2	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	2	3	3	3	3	4
	III	1	1	2	2	2	2	2	2	2	3	3	3	4
	IV	1	1	1	1	2	2	2	2	2	2	3	3	4
	V	1	1	1	1	1	2	2	2	2	2	3	3	4
	VI	1	1	1	1	1	2	2	2	2	2	3	3	4

Note: The data indicated with an asterisk (*) are suitable for 110 tons hook.

Table 3 Main boom Unit: Metric tons

Outriggers fully extended, with 24 tons counterweight, over full range														
Radius (m)	Boom length (m)													
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72
3	110*	100*	90											
3.5	105*	95*	87	75										
4	100*	90	83	75										
4.5	91*	85	78	75	60									
5	84	80	73	70	58									
5.5	78	75	68	65	55	45								
6	71	70	63	60	52	45								
7	57	56	56	55	49	45	35							
8	48	48	48	47	46	43	33							
9	41	41	41	41	42	41	30.5	28						
10		35	36	36	36.5	37.5	29	28						
11		30	31	30	30.5	32	27.5	26	23					
12		26	27	26	26.5	27.5	25.8	24	21.5	19				
14			20.5	19.5	20	21.5	22	21.2	19	17	15			
16			16	15	15.5	17	17.5	17	17	15.4	13.5	12		
18				12	12.5	13.5	14.3	13.6	13.8	12.5	11	9		
20				9.5	10.5	11	12	11	11	11.2	11.5	10.1	8.2	7
22					8.5	9.3	10	9.4	9.4	9.6	10	9.3	7.6	6.5
24					7	7.8	8.5	8	8	8.2	8.5	8.5	7.1	6.1
26						6.6	7.3	6.7	6.9	7.2	7.5	6.6	5.7	
28						5.5	6.2	5.7	5.7	5.9	6.2	6.5	6.1	5.4
30							5.3	4.8	4.8	4.9	5.2	5.5	5.6	5.1
32							4.5	4	4	4.1	4.4	4.7	5.1	4.8
34								3.3	3.3	3.4	3.7	4.1	4.5	4.5
36								2.6	2.6	2.7	3	3.4	3.8	3.8
38									2.1	2.2	2.5	2.9	3.3	3.3
40									1.6	1.7	2	2.4	2.8	2.8
42										1.2	1.5	1.9	2.3	2.3</

Table 5 Main boom Unit: Metric tons

Outriggers fully extended, without counterweight, over full range														
Radius (m)	Boom length (m)													
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72
3	105*	100*	90											
3.5	98*	95*	87	75										
4	90	90	83	75										
4.5	78	78	78	75	60									
5	69	69	69	68	58									
5.5	60	60	60	60	55	45								
6	52	52	52	52	48	45								
7	39	39	40	39	39	40	34							
8	29	29	30	29	30	31	31							
9	22	22	22	21.5	22	23	25	23						
10		18	18	17.5	18	19	20	19						
11		14.5	15	14	15	16	17	16	16					
12		11.5	12	11	12	13	14	13	13	13				
14			8.5	7.5	8.5	9.2	10	9.5	9.5	9.5	10			
16			6	5	6	6.5	7.2	6.6	6.6	6.8	7	7		
18				3.2	4	4.5	5.2	4.6	4.6	4.8	5	5	5	
20				1.8	2.6	3.5	4.2	3.6	3.6	3.8	4	4	4	4
22					1.5	2.3	3	2.4	2.4	2.6	2.8	2.8	3.5	3.5
24						1.3	2.2	1.4	1.4	1.6	1.8	1.8	2.6	2.6
26							1.3				1.1	1.1	1.9	1.9
28													1.2	1.2
Reeving	14	14	12	10	8	6	5	3	3	2	2	2	2	2
Hook	90 tons				55 tons				25 tons					
Telescoping mode	I	1	1	1	2	2	2	3	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	3	3	3	3	3	4
	III	1	1	2	2	2	2	2	3	3	3	3	3	4
	IV	1	1	1	1	2	2	2	2	3	3	3	3	4
	V	1	1	1	1	1	2	2	2	2	3	3	3	4
	VI	1	1	1	1	1	2	2	2	2	2	3	3	4

Note: The data indicated with an asterisk (*) are suitable for 110 tons hook.

Table 6 Main boom Unit: Metric tons

Outriggers intermediately extended, with 45 tons counterweight, over full range														
Radius (m)	Boom length (m)													
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72
3	110*	100*	90											
3.5	104*	95*	87	75										
4	96*	90	83	75										
4.5	88	85	78	75	60									
5	82	80	73	70	58									
5.5	76	75	68	65	55	45								
6	71	71	63	60	52	45								
7	58	58	56	56	49	45	35							
8	50	50	50	50	45	43	33							
9	42	40	40	40	41	40	30.5	28						
10		35	35	35	35	35	29	28						
11		30	30	29.5	29.5	30.5	27.5	26	23					
12		26	26	26	26	26.5	25.5	24	21.5	19				
14			20	19.5	20	21	20.5	19	17	15				
16			16	15.5	15.5	16.5	17.5	16.5	16	15.4	13.5	12		
18				12.5	12.5	13.5	14.5	14	14	13.5	12.5	11	9	
20				10.5	11	11.5	12	11.5	11.5	11.7	11.4	10.1	8.2	7
22					9	9.5	10	9.6	9.6	9.7	9.5	9.3	7.6	6.5
24					7.5	8	8.8	8.4	8.2	8.3	8.5	8.4	7.1	6.1
26						7	7.7	7.2	7	7.2	7.4	7.4	6.6	5.7
28						6	6.7	6.2	6	6.1	6.4	6.6	6.1	5.4
30							5.5	5.1	5	5.1	5.4	5.8	5.6	5.1
32							5	4.4	4.3	4.4	4.7	5.1	5.4	4.7
34								3.5	3.4	3.6	3.9	4.3	4.6	4.6
36								2.9	2.8	3.0	3.3	3.7	4.1	4.1
38									2.3	2.5	2.8	3.1	3.5	3.5
40									1.8	2.0	2.3	2.6	3.0	3.0
42										1.5	1.9	2.1	2.5	2.5
44											1.4	1.7	2.0	2.0
46												1.4	1.7	1.7
48													1.4	1.4
Reeving	14	14	12	10	8	6	5	4	3	3	2	2	2	2
Hook	90 tons				55 tons				25 tons					
Telescoping mode	I	1	1	1	2	2	2	3	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	3	3	3	3	3	4
	III	1	1	2	2	2	2	2	2	3	3	3	3	4
	IV	1	1	1	1	1	2	2	2	2	2	3	3	4
	V	1	1	1	1	1	2	2	2	2	2	3	3	4
	VI	1	1	1	1	1	2	2	2	2	2	2	3	4

Note: The data indicated with an asterisk (*) are suitable for 110 tons hook.

Table 7 Main boom Unit: Metric tons

Outriggers intermediately extended, with 32 tons counterweight, over full range														
Radius (m)	Boom length (m)													
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72
3	110*	100*	90											
3.5	102*	95*	87	75										
4	93*	90	83	75										
4.5	84	84	78	75	60									
5	77	77	73	70	58									
5.5	72	72	68	65	55	45								
6	63	63	63	60	52	45								
7	51	51	51	52	48	45	35							
8	42	42	43	42	43	43	33							
9	34	34	35	34	35	36	30.5	28						
10		28	29	28	29	30	28.5	28						
11		24	25	24	25	26	26.5	26	23					
12		20	21	20	21	22	23	22.5	21.5	19				
14			16	15.2	16	17	18	17.5	17.5	17	15			
16				12.5	11.7	12.5	13.5	14.3	13.8	13.8	14	13.5	12	
18				9.2	10	11	11.4	10.8	10.8	11	11.3	11	9	
20				7.4	8.2	9	9.5	9	9	9.2	9.5	9.8	8.2	7
22					6.5	7.3	8	7.3	7.3	7.5	7.7	8.2	7.4	6.5
24					5.3	6	6.6	6.1	6.1	6.3	6.5	7	6.6	6
26						5	5.5	5	5	5.2	5.5	5.8	5.8	5.5
28						4	4.6	4.1	4.1	4.3	4.5	4.8	5	5
30							3.8	3.3	3.3	3.5	3.7	4.1	4.5	4.5
32							3.1	2.6	2.6	2.8	3	3.3	3.7	3.7
34								1.9	1.9	2.1	2.3	2.6	3	3
36								1.4	1.4	1.6	1.8	2.1	2.5	2.5
38										1.1	1.3	1.6	2	2
40												1.2	1.6	1.6
42													1.2	1.2
Reeving	14	14	12	10	8	6	5	4	3	3	2	2	2	2
Hook	90 tons				55 tons				25 tons					
Telescoping mode	I	1	1	1	2	2	2	3	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	2	3	3	3	3	4
	III	1	1	2	2	2	2	2	2	2	3	3	3	4
	IV	1	1	1	1	1	2	2	2	2	2	3	3	4
	V	1	1	1	1	1	2	2	2	2	2	3	3	4
	VI	1	1	1	1	1	2	2	2	2	2	2	3	4

Note: The data indicated with an asterisk (*) are suitable for 110 tons hook.

Table 8 Main boom Unit: Metric tons

Outriggers intermediately extended, with 24 tons counterweight, over full range														
Radius (m)	Boom length (m)													
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72
3	110*	100*	90											
3.5	101*	95*	87	75										
4	92*	90	83	75										
4.5	83	83	78	75	60									
5	75	75	73	70	58									
5.5	67	67	66	65	55	45								
6	58	58	58	57	52	45								
7	45	45	45	44	44	44	35							
8	35	35	36	35	35	36	33							
9	28	28	29	28	29	30	30	28						
10		23	24	23	24	25	26	25						
11		19.5	20	19	20	21	22	21	20					
12		16.5	17	16	17	17.5	18	18	16					
14			13	12	12.5	13	13.5	13.5	13.5	13	13			
16			10	9.3	10	10.5	11.2	10.9	10.9	11	11	11		
18				7	7.6	8.4	9.2	8.6	8.6	8.7	9	9	8.5	
20				5.3	6	6.6	7.4	6.9	6.9	7	7.3	7.5	7.5	7
22					4.6	5.3	6	5.5	5.4	5.5	5.8	6	6.5	6
24					3.5	4.2	5	4.4	4.3	4.4	4.7	5	5.5	5
26						3.2	4	3.4	3.3	3.5	3.8	4.1	4.5	4.2
28						2.4	3.2	2.6	2.5	2.7	3	3.3	3.7	3.7
30							2.4	1.9	1.8	2	2.3	2.6	3	3
32							1.8	1.3	1.2	1.4	1.7	2	2.4	2.4
34											1.1	1.4	1.8	1.8
36													1.4	1.4
Reeving	14	14	12	10	8	6	5	4	3	3	2	2	2	2
Hook	90 tons					55 tons				25 tons				
Telescoping mode	I	1	1	1	2	2	2	2	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	3	3	3	3	3	4
	III	1	1	2	2	2	2	2	2	3	3	3	3	4
	IV	1	1	1	1	2	2	2	2	2	3	3	3	4
	V	1	1	1	1	1	2	2	2	2	2	3	3	4
	VI	1	1	1	1	1	1	2	2	2	2	2	3	4

Table 9 Main boom Unit: Metric tons

Outriggers intermediately extended, with 10 tons counterweight, over full range														
Radius (m)	Boom length (m)													
3	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72
3.5	90	90	84	75										
4	80	80	75	70										
4.5	63	63	62	58	58									
5	54	54	53	53	53									
5.5	45	45	44	42	42	42								
6	40	40	39	38	38	38								
7	29	29	29	29	29	29	28							
8	22	22	23	22	23	23								
9	17	17	18	17	18	18.5	19	18						
10		14	15	14	15	15.5	16	15						
11		11	12	11	12	12.5	13	12	12					
12		9	10	9	10	10.5	11	10	10	10				
14			7	6.2	7.2	7.7	8.4	8	8	8	8			
16			4.7	4.2	5	5.5	6.2	5.8	5.8	6	6	6		
18				2.5	3.3	4	4.5	4	3.8	4	4.4	4.7	5	
20				1.3	2	2.6	3.4	2.8	2.8	3	3.2	3.5	4	4
22						1.6	2.4	1.8	1.8	2	2.2	2.5	3	3
24							1.5			1.1	1.4	1.6	2	2
26												1.1	1.4	1.4
Reeving	14	14	12	10	8	6	4	3	2	2	2	2	2	2
Hook	90 tons				55 tons				25 tons					
Telescoping mode	I	1	1	1	2	2	2	2	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	3	3	3	3	3	4
	III	1	1	2	2	2	2	2	2	3	3	3	3	4
	IV	1	1	1	1	2	2	2	2	2	3	3	3	4
	V	1	1	1	1	1	2	2	2	2	2	3	3	4
	VI	1	1	1	1	1	2	2	2	2	2	2	3	4

Note: The data indicated with an asterisk (*) are suitable for 110 tons hook.

Table 10 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 45 tons counterweight, over full range				
Jib length	11.0 m			
Main boom length	63.0 m	67.5 m		
Boom angle	0°	30°	0°	30°
82°	6.5	4.5	5.5	4
80°	6.5	4.4	5.5	3.9
78°	6.5	4.3	5.5	3.8
76°	6.2	4.2	5.2	3.7
74°	5.9	4.1	4.8	3.6
72°	5.6	4	4.5	3.5
70°	5.2	3.9	4.2	3.4
68°	4.8	3.8	3.9	3.3
66°	4.5	3.7	3.6	3.1
64°	4.2	3.6	3.3	2.9
62°	3.9	3.4	3.1	2.8
60°	3.6	3.2	2.9	2.6
58°	3.4	3.0	2.7	2.4
56°	3.2	2.8	2.5	2.3
54°	3.0	2.7	2.4	2.2
52°	2.7	2.5	2.2	2.0
50°	2.5	2.3	2.0	1.9
48°	2.1	2.0	1.8	1.7
46°	1.9	1.8	1.6	1.5
44°	1.7	1.6	1.4	1.3
42°	1.5	1.4	1.2	1.1
40°	1.3	1.2		
Reeving	1			
Hook	7 tons			
Telescoping mode	I	3	3	3
	II	3	3	3
	III	3	3	3
	IV	3	3	3
	V	3	3	3
	VI	2	2	3

Table 11 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 32 tons counterweight, over full range				
Jib length	11.0 m			
Main boom length	63.0 m	67.5 m		
Boom angle	0°	30°	0°	30°
82°	6.5	4.5	5.5	4
80°	6.5	4.4	5.5	3.9
78°	6.5	4.3	5.5	3.8
76°	6.2	4.2	5.2	3.7
74°	5.9	4.1	4.8	3.6
72°	5.6	4.0	4.5	3.5
70°	5.2	3.9	4.2	3.4
68°	4.8	3.8	3.9	3.3
66°	4.5	3.7	3.6	3.1
64°	4.2	3.6	3.3	2.9
62°	3.8	3.4	3.1	2.8
60°	3.4	3.1	2.8	2.6
58°	3.0	2.8	2.6	2.3
56°	2.6	2.5	2.3	2.1
54°	2.3	2.1	1.9	1.8
52°	2.0	1.8	1.6	1.5
50°	1.7	1.5	1.4	1.3
48°	1.5	1.3	1.1	1.0
46°	1.2	1.1		
44°	1.0	0.9		
Reeving	1			
Hook	7 tons			
Telescoping mode	I	3	3	3
	II	3	3	3
	III	3	3	3
	IV	3	3	3
	V	3	3	3
	VI	2	2	3

Table 12 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 24 tons counterweight, over full range				
Jib length	11.0 m			
Main boom length	63.0 m	67.5 m		
Boom angle	0°	30°	0°	30°
82°	6.5	4.5	5.5	4
80°	6.5	4.4	5.5	3.9
78°	6.5	4.3	5.5	3.8
76°	6.2	4.2	5.2	3.7
74°	5.9	4.1	4.8	3.6
72°	5.6	4.0	4.5	3.5
70°	5.2	3.9	4.2	3.4
68°	4.7	3.8	3.9	3.3
66°	4.2	3.6	3.5	3.0
64°	3.6	3.2	3.1	2.8
62°	3.1	2.8	2.6	2.4
60°	2.6	2.4	2.2	2.0
58°	2.2	2.0	1.8	1.7
56°	1.8	1.7	1.5	1.4
54°	1.5	1.4	1.2	1.1
52°	1.2	1.1		
Reeving	1			
Hook	7 tons			
Telescoping mode	I	3	3	3
	II	3	3	3
	III	3	3	3
	IV	3	3	3
	V	3	3	3
	VI	2	2	3

Table 13 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 10 tons counterweight, over full range				
Jib length	11.0 m			
Main boom length	63.0 m	67.5 m		
Boom angle	0°	30°	0°	30°
82°	6.5	4.5	5.5	4
80°	6.5	4.5	5.5	3.9
78°	6.5	4.3	5.5	3.8
76°	6.2	4.2	5.2	3.7
74°	5.3	4.1	4.5	3.5
72°	4.3	3.6	3.7	3.1
70°	3.6	3.0	3.0	2.5
68°	2.9	2.4	2.4	2.0
66°	2.2	1.9	1.8	1.6
64°	1.7	1.4	1.3	1.1
62°	1.2	1.0		
Reeving	1			
Hook	7 tons			
Telescoping mode	I	3	3	3
	II	3	3	3
	III	3	3	3
	IV	3	3	3
	V	3	3	3
	VI	2	2	3

Table 14 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 45 tons counterweight, over full range				
Jib length	18.6 m			
Main boom length	63.0 m	67.5 m		
Boom angle	0°	30°	0°	30°
82°	4.5	2.5	3.5	2.0
80°	4.3	2.5	3.5	2.0
78°	4.1	2.4	3.5	2.0
76°	3.9	2.4	3.3	1.9
74°	3.6	2.2	3.1	1.9
72°	3.3	2.1	2.9	1.8
70°	3.1	2.0	2.7	1.8
68°	2.9	1.9	2.5	1.7
66°	2.7	1.8	2.4	1.7
64°	2.5	1.8	2.2	1.6
62°	2.4	1.7	2.0	1.5
60°	2.2	1.7	1.9	1.5
58°	2.1	1.6	1.7	1.4
56°	2.0	1.6	1.6	1.4
54°	1.9	1.5	1.5	1.3
52°	1.8	1.5	1.4	1.2
50°	1.7	1.4	1.3	1.1
48°	1.5	1.3	1.2	1.0
46°	1.2	1.1		
Reeving	1			
Hook	7 tons			
Telescoping mode	I	3	3	3
	II	3	3	3
	III	3	3	3
	IV	3	3	3
	V	3	3	3
	VI	2	2	3

Table 15 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 32 tons counterweight, over full range				
Jib length	18.6 m			
Main boom length	63.0 m	67.5 m		
Boom angle	0°	30°	0°	30°
82°	4.5	2.5	3.5	2.0
80°	4.3	2.5	3.5	2.0
78°	4.1	2.4	3.5	2.0
76°	3.9	2.4	3.3	1.9
74°	3.6	2.2	3.1	1.9
72°	3.3	2.1	2.9	1.8
70°	3.1	2.0	2.7	1.8
68°	2.9	1.9	2.5	1.7
66°	2.7	1.8	2.4	1.7
64°	2.5	1.8	2.2	1.6
62°	2.4	1.7	2.0	1.5
60°	2.2	1.7	1.9	1.5
58°	2.0	1.6	1.7	1.4
56°	1.8	1.5	1.5	1.3
54°	1.5	1.3	1.2	1.0
52°	1.2	1.1		
Reeving	1			
Hook	7 tons			
Telescoping mode	I	3	3	3
	II	3	3	3
	III	3	3	3
	IV	3	3	3
	V	3	3	3
	VI	2	2	3

Table 16 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 24 tons counterweight, over full range						
Jib length		18.6 m				
Main boom length		63.0 m		67.5 m		
Boom angle		0°	30°	0°	30°	
82°		4.5	2.5	3.5	2.0	
80°		4.3	2.5	3.5	2.0	
78°		4.1	2.4	3.5	2.0	
76°		3.9	2.4	3.3	1.9	
74°		3.6	2.2	3.1	1.9	
72°		3.3	2.1	2.9	1.8	
70°		3.1	2.0	2.7	1.8	
68°		2.9	1.9	2.5	1.7	
66°		2.7	1.8	2.4	1.7	
64°		2.4	1.8	2.1	1.6	
62°		2.1	1.7	1.8	1.4	
60°		1.8	1.6	1.4	1.2	
58°		1.4	1.2			
56°		1.1				
Reeving		1				
Hook		7 tons				
Telescoping mode	I	3	3	3	3	3
	II	3	3	3	3	3
	III	3	3	3	3	3
	IV	3	3	3	3	3
	V	3	3	3	3	3
	VI	2	2	3	3	3

Table 17 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 10 tons counterweight, over full range						
Jib length		18.6 m				
Main boom length		63.0 m		67.5 m		
Boom angle		0°	30°	0°	30°	
82°		4.5	2.5	3.5	2.0	
80°		4.3	2.5	3.5	2.0	
78°		4.1	2.4	3.5	2.0	
76°		3.9	2.4	3.3	1.9	
74°		3.5	2.2	3.1	1.8	
72°		3.2	2.1	2.6	1.7	
70°		2.6	1.9	2.1	1.6	
68°		2.0	1.5	1.6	1.2	
66°		1.5	1.1			
Reeving		1				
Hook		7 tons				
Telescoping mode	I	3	3	3	3	3
	II	3	3	3	3	3
	III	3	3	3	3	3
	IV	3	3	3	3	3
	V	3	3	3	3	3
	VI	2	2	3	3	3

Table 18 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 45 tons counterweight, over full range						
Jib length		26.6 m				
Main boom length		63.0 m		67.5 m		
Boom angle		0°		0°		
82°		2.5		2.0		
80°		2.5		2.0		
78°		2.5		2.0		
76°		2.3		1.9		
74°		2.1		1.8		
72°		1.9		1.7		
70°		1.8		1.6		
68°		1.7		1.5		
66°		1.6		1.4		
64°		1.5		1.3		
62°		1.4		1.2		
60°		1.3		1.1		
58°		1.2		1.0		
56°		1.1				
54°		1.0				
Reeving		1				
Hook		7 tons				
Telescoping mode	I	3		3		
	II	3		3		
	III	3		3		
	III	3		3		
	IV	3		3		
	V	3		3		
	VI	2		3		

Table 19 Main boom + jib Unit: Metric tons

Outriggers fully extended (7.8 m), with 32 tons counterweight, over full range						
Jib length		26.6 m				
Main boom length		63.0 m		67.5 m		
Boom angle		0°		0°		
82°		2.5		2.0		
80°		2.5		2.0		
78°		2.5		2.0		
76°		2.3		1.9		
74°		2.1		1.8		
72°		1.9		1.7		
70°		1.8		1.6		
68°		1.7		1.5		
66°		1.6		1.4		
64°		1.5		1.3		
62°		1.4		1.2		
60°		1.3		1.1		
58°		1.2				
56°		1.1				
Reeving		1				
Hook		7 tons				
Telescoping mode	I	3		3		
	II	3		3		
	III	3		3		
	IV	3		3		
	V	3		3		
	VI	2		3		

Table 24 Main boom + jib Unit: Metric tons

Outriggers intermediately extended (5.3 m), with 24 tons counterweight, over full range						
Jib length		11.0 m				
Main boom length		63.0 m		67.5 m		
Boom angle		0°	30°	0°	30°	
82°		6.5	4.5	5.5	4	
80°		6.5	4.4	5.5	3.9	
78°		6.5	4.3	5.5	3.8	
76°		6.2	4.2	5.2	3.6	
74°		5.3	4.1	4.5	3.4	
72°		4.4	3.6	3.7	3.1	
70°		3.6	3.1	3.0	2.5	
68°		2.9	2.5	2.4	2.0	
66°		2.3	2.0	1.9	1.6	
64°		1.7	1.5	1.4	1.2	
62°		1.3	1.1			
Reeving		1				
Hook		7 tons				
Telescoping mode	I	3	3	3	3	3
	II	3	3	3	3	3
	III	3	3	3	3	3
	IV	3	3	3	3	3
	V	3	3	3	3	3
	VI	2	2	3	3	3

Table 25 Main boom + jib Unit: Metric tons

Outriggers intermediately extended (5.3 m), with 45 tons counterweight, over full range						
Jib length		18.6 m				
Main boom length		63.0 m		67.5 m		
Boom angle		0°	30°	0°	30°	
82°		4.5	2.5	3.5	2.0	
80°		4.3	2.5	3.5	2.0	
78°		4.1	2.4	3.5	2.0	
76°		3.9	2.4	3.3	1.9	
74°		3.6	2.2	3.1	1.9	
72°		3.3	2.1	2.9	1.8	
70°		3.1	2.0	2.7	1.8	
68°		2.9	1.9	2.5	1.7	
66°		2.7	1.8	2.4	1.7	
64°		2.4	1.8	2.1	1.6	
62°		2.2	1.7	1.8	1.4	
60°		1.8	1.5	1.5	1.2	
58°		1.5	1.2	1.2	1.0	
56°		1.2	1.0			
Reeving		1				
Hook		7 tons				
Telescoping mode	I	3	3	3	3	3
	II	3	3	3	3	3
	III	3	3	3	3	3
	IV	3	3	3	3	3
	V	3	3	3	3	3
	VI	2	2	3	3	3

Table 26 Main boom + jib Unit: Metric tons

Outriggers intermediately extended (5.3 m), with 32 tons counterweight, over full range						
Jib length		18.6 m				
Main boom length		63.0 m		67.5 m		
Boom angle		0°	30°	0°	30°	
82°		4.5	2.5	3.5	2.0	
80°		4.3	2.5	3.5	2.0	
78°		4.1	2.4	3.5	2.0	
76°		3.9	2.4	3.3	1.9	
74°		3.6	2.2	3.1	1.9	
72°		3.3	2.1	2.8	1.8	
70°		3.1	2.0	2.6	1.7	
68°		2.7	1.8	2.4	1.6	
66°		2.3	1.7	1.9	1.5	
64°		1.9	1.5	1.5	1.2	
62°		1.5	1.2			
60°		1.1				
Reeving		1				
Hook		7 tons				
Telescoping mode	I	3	3	3	3	3
	II	3	3	3	3	3
	III	3	3	3	3	3
	IV	3	3	3	3	3
	V	3	3	3	3	3
	VI	2	2	3	3	3

Table 27 Main boom + jib Unit: Metric tons

Outriggers intermediately extended (5.3 m), with 24 tons counterweight, over full range						
Jib length		18.6 m				
Main boom length		63.0 m		67.5 m		
Boom angle		0°	30°	0°	30°	
82°		4.5	2.5	3.5	2.0	
80°		4.3	2.5	3.5	2.0	
78°		4.1	2.4	3.5	2.0	
76°		3.8	2.4	3.3	1.9	
74°		3.5	2.2	3.1	1.8	
72°		3.2	2.0	2.6	1.7	
70°		2.6	1.8	2.1	1.6	
68°		2.0	1.5	1.6	1.2	
66°		1.5	1.1			
Reeving		1				
Hook		7 tons				
Telescoping mode	I	3	3	3	3	
	II	3	3	3	3	
	III	3	3	3	3	
	IV	3	3	3	3	
	V	3	3	3	3	
	VI	2	2	3	3	

Table 31 Main boom + tip boom Unit: Metric tons

Outriggers fully extended (7.8 m), with 45 tons counterweight, over full range														
Radius (m)	Boom length (m)													
3.0	13.5	18.0	22.5	27.0	31.5	36.0	40.5	45.0	49.5	54.0	58.5	63.0	67.5	72
3.0	28													
3.5	27	27												
4.0	26.5	26.5	27											
4.5	26	26	26.5											
5.0	25.5	25.5	26	27										
5.5	25	25	25.5	26.5										
6.0	24.5	24.5	25	26	26									
7.0	23.5	24	24.5	25.5	26	24								
8.0	22.5	23.5	24	25	25.5	24	22							
9.0	21.5	23	23.5	24.5	25	24	21							
10.0	20.5	22.5	23	24	24.5	24	20	20						
11.0	20	22	22.5	23.5	24	23.5	19	19	18					
12.0	19.5	21.5	22	23	23.5	23	18	18	17	15				
14.0		20.5	21.5	22.5	23	22.5	16.5	17	16	14	12			
16.0		19.5	20.5	21.5	22	21.5	15	16	15	13	11	9		
18.0			19.5	19	19.5	19.5	14	15	14	12	10.4	8.5	7	
20.0			16.5	16	16.5	16.5	13	14	12.5	11	9.8	8	6.6	5
22.0				13	14	14.5	12	12.5	11.5	10.2	9.2	7.5	6.3	5
24.0				11	12	12.5	11	11.5	10.5	9.4	8.6	7.2	6	5
26.0					10	10.5	10.5	10.5	9.5	8.7	8	6.9	5.7	4.8
28.0					8.5	9	9.5	9.2	8.6	8	7.4	6.6	5.4	4.5
30.0						8	8.5	8.2	7.8	7.4	6.9	6.3	5.1	4.3
32.0						7	7.5	7.2	7.2	6.8	6.4	5.8	4.8	4.1
34.0							6.5	6.2	6.2	6.2	5.9	5.4	4.5	3.9
36.0							5.7	5.4	5.4	5.6	5.4	5.1	4.2	3.7
38.0								4.6	4.6	4.8	4.9	4.7	3.9	3.5
40.0								4	4	4.2	4.4	4.3	3.6	3.3
42.0									3.4	3.6	3.8	4	3.4	3.1
44.0									2.9	3.1	3.3	3.6	3.2	2.9
46.0										2.6	2.8	3.1	3	2.7
48.0										2.2	2.4	2.7	2.8	2.5
50.0											2	2.3	2.5	2.3
52.0											1.6	2	2.2	2.1
54.0												1.6	1.9	1.9
56.0													1.6	1.7
58.0													1.3	1.4
60.0														1.1
Reeving	4	4	4	4	4	3	3	3	3	2	2		2	2
Hook	55 tons					25 tons								
Telescoping mode	I	1	1	1	2	2	2	2	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	3	3	3	3	3	4
	III	1	1	2	2	2	2	2	3	3	3	3	3	4
	IV	1	1	1	1	2	2	2	2	3	3	3	3	4
	V	1	1	1	1	1	2	2	2	2	3	3	3	4
	VI	1	1	1	1	1	2	2	2	2	2	3	3	4

Table 32 Main boom + tip boom Unit: Metric tons

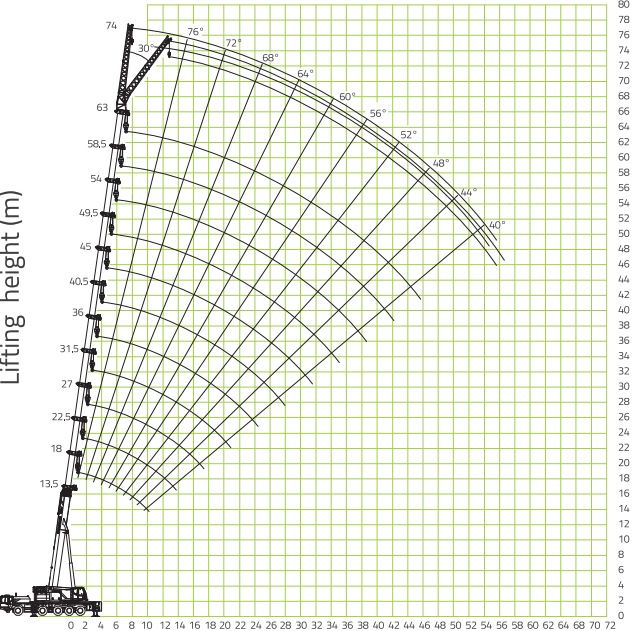
Outriggers fully extended (7.8 m), with 32 tons counterweight, over full range														
Radius (m)	Boom length (m)													
3.0	13.5	18.0	22.5	27.0	31.5	36.0	40.5	45.0	49.5	54.0	58.5	63.0	67.5	72
3.0	28													
3.5	27	27												
4.0	26.5	26.5	27											
4.5	26	26	26.5											
5.0	25.5	25.5	26	27										
5.5	25	25	25.5	26.5										
6.0	24.5	24.5	25	26	26									
7.0	23.5	24	24.5	25.5	26	24								
8.0	22.5	23.5	24	25	25.5	24	22							
9.0	21.5	23	23.5	24.5	25	24	21							
10.0	20.5	22.5	23	24	24.5	24	20	20						
11.0	20	22	22.5	23.5	24	23.5	19	19	18					
12.0	19.5	21.5	22	23	23.5	23	18	18	17	15				
14.0		20.5	21.5	22.5	23	22.5	16.5	17	16	14	12			
16.0			19.5	20.5	21	21	15	16	15	13	11	9		
18.0				17.2	16.7	17.2	17.5	14	15	14	12	10.4	8.5	7
20.0				14	13.5	14.1	14.5	13	13.5	12.5	11	9.8	8	6.6
22.0					11	11.6	12	11.8	12	11.5	10.2	9.2	7.5	6.3
24.0						10	10.4	10.8	10.5	10.3	9.4	8.6	7.2	6
26.0						8.4	9	9.5	9.2	9	8.7	8	6.9	5.7
28.0						7.2	7.8	8.4	8.0	7.9	8	7.4	6.6	5.4
30.0							6.6	7.3	6.8	6.7	6.8	6.7	6.3	5.1
32.0							5.7	6.4	5.9	5.8	5.9	6	5.7	4.8
34.0								5.5	5.1	5	5.1	5.3	5.2	4.5
36.0								4.7	4.3	4.2	4.3	4.6	4.6	4.2
38.0									3.6	3.6	3.7	4	4	3.9
40.0									3	3	3.1	3.3	3.3	3.6
42.0										2.4	2.5	2.7	2.7	3.3
44.0											1.9	2.1	2.3	2.8
46.0												1.6	1.8	2.5
48.0												1.2	1.4	2.1
50.0													1.1	1.7
52.0														1.4
54.0														1.1
Reeving	4	4	4	4	4	3	3	3	3	2	2	2	2	2
Hook	55 tons					25 tons								
Telescoping mode	I	1	1	1	2	2	2	3	3	3	3	3	3	4
	II	1	2	2	2	2	2	3	3	3	3	3	3	4
	III	1	1	2	2	2	2	2	3	3	3	3	3	4
	IV	1	1	1	1	2	2	2	2	3	3	3	3	4
	V	1	1	1	1	1	2	2	2	2	3	3	3	4
	VI	1	1	1	1	1	2	2	2	2	2	3	3	4

Table 33 Main boom + tip boom Unit: Metric tons

Outriggers fully extended (7.8 m), with 24 tons counterweight, over full range														
Radius (m)	Boom length (m)													
13.5	18.0	22.5	27.0	31.5	36.0	40.5	45.0	49.5	54.0	58.5	63.0	67.5	72	
3.0	28													
3.5	27	27												
4.0	26.5	26.5	27											
4.5	26	26	26.5											
5.0	25.5	25.5	26	27										
5.5	25	25	25.5	26.5										
6.0	24.5	24.5	25	26	26									
7.0	23.5	24	24.5	25.5	26	24								
8.0	22.5	23.5	24	25	25.5	24	22							
9.0	21.5	23	23.5	24.5	25	24	21							
10.0	20.5	22.5	23	24	24.5	24	20	20						
11.0	20	22	22.5	23.5	24	23.5	19	19	18					
12.0	19.5	21.5	22	23	23.5	23	18	18	17	15				
14.0		20.5	21	21.5	22	22	16.5	17	16	14	12			
16.0		17	17.5	17	17.5	18	15	16	15	13	11	9		
18.0			14	13.5	14	14.5	14	14.5	13.5	12	10.4	8.5	7	
20.0			11.5	11	11.5	12	12.5	12	12	11	9.8	8	6.6	5
22.0				9	9.5	10	10.5	10	10	10	9.2	7.5	6.3	5
24.0				7.6	8.1	8.6	9.2	8.6	8.6	8.7	8.4	7.2	6	5
26.0					6.7	7.2	7.8	7.3	7.3	7.4	7.6	6.9	5.7	4.8
28.0					5.6	6.1	6.7	6.2	6.2	6.3	6.5	6.4	5.4	4.5
30.0						5.1	5.7	5.2	5.2	5.3	5.5	5.8	5.1	4.3
32.0						4.2	4.8	4.3	4.3	4.4	4.6	5	4.8	4.1
34.0							4.1	3.6	3.6	3.7	3.9	4.3	4.5	3.9
36.0							3.4	3	2.9	3	3.3	3.6	4	3.7
38.0								2.4	2.3	2.4	2.7	3	3.4	3.4
40.0								1.8	1.7	1.8	2.1	2.4	2.8	2.8
42.0										1.4	1.7	2	2.3	2.3
44.0											1.2	1.5	1.9	1.9
46.0												1.1	1.5	1.5
48.0													1.1	1.1
Reeving	4	4	4	4	4	3	3	3	3	2	2	2	2	2
Hook	55 tons					25 tons								
Telescoping mode	I	1	1	1	2	2	2	2	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	3	3	3	3	3	4
	III	1	1	2	2	2	2	2	2	3	3	3	3	4
	IV	1	1	1	1	2	2	2	2	2	3	3	3	4
	V	1	1	1	1	1	2	2	2	2	2	3	3	4
	VI	1	1	1	1	1	1	2	2	2	2	2	3	4

Lifting Height Charts

Main boom + 11 m jib



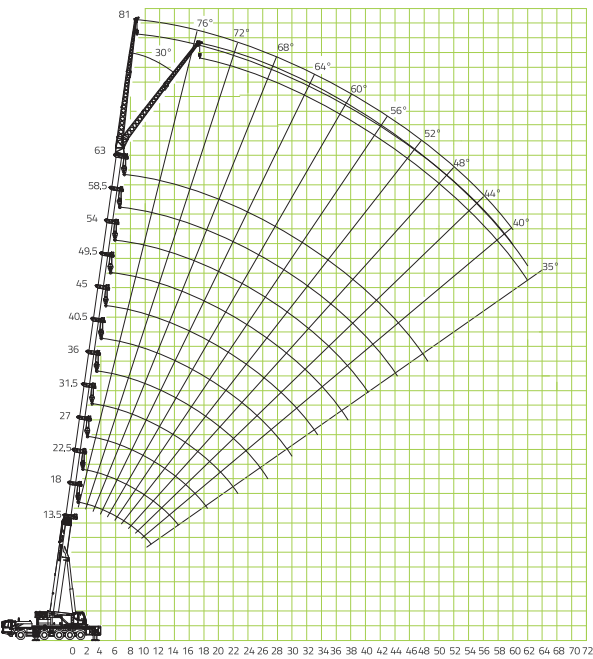
Working radius (m)

63 m main boom + 11 m jib

Working radius (m)

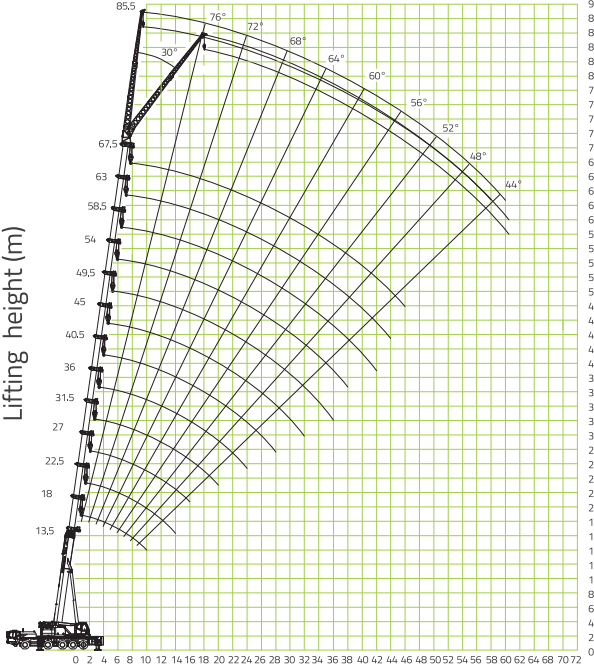
67.5 m main boom + 11 m jib

Main boom + 18.6 m jib



Working radius (m)

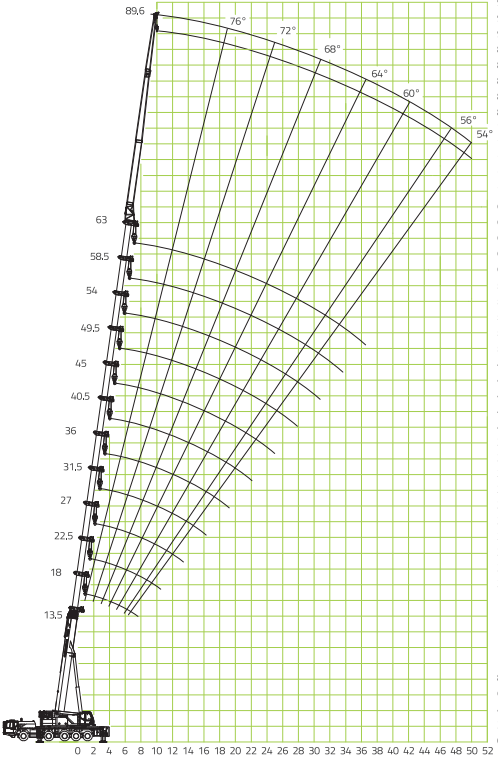
63 m main boom + 18.6 m jib



Working radius (m)

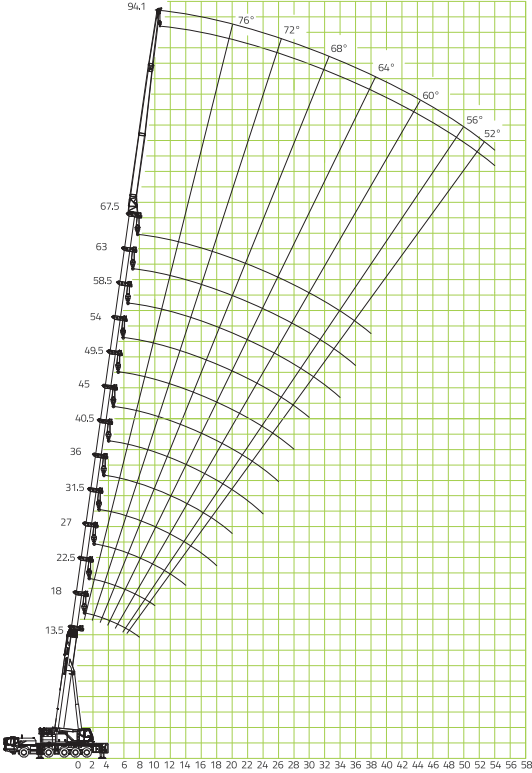
67.5 m main boom + 18.6 m jib

Main boom + 26.6 m jib



Working radius (m)

63 m main boom + 26.6 m jib



Working radius (m)

67.5 m main boom + 26.6 m jib