



ZOOMLION LIFTING MACHINERY COMPANY

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TRUCK CRANE

ZTC650

PRODUCT MANUALS

Zoomlion Lifting Machinery Company

ZOOMLION



Vision Creates Future

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41.8

Max. lifting height of main boom

59.3

Max. lifting height of jib

6.9 × 7.83

Outrigger spread (L × W)



ZTC650 Lifting capacity

- Is a new-generation and high-performance product designed and developed to meet the market demands. Its performances, such as lifting height, main boom length, working speed and lifting capacity, etc., have achieved advanced international level.
- The 5-axle (10 × 4 drive, offering convenient and flexible hydraulically powered steering) special purpose chassis provides wide vision, spacious cab and luxurious equipment.
- The latest multiple unit directional control valve, variable pumps system ensure that each executive mechanism makes full use of its working capability.
- 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.



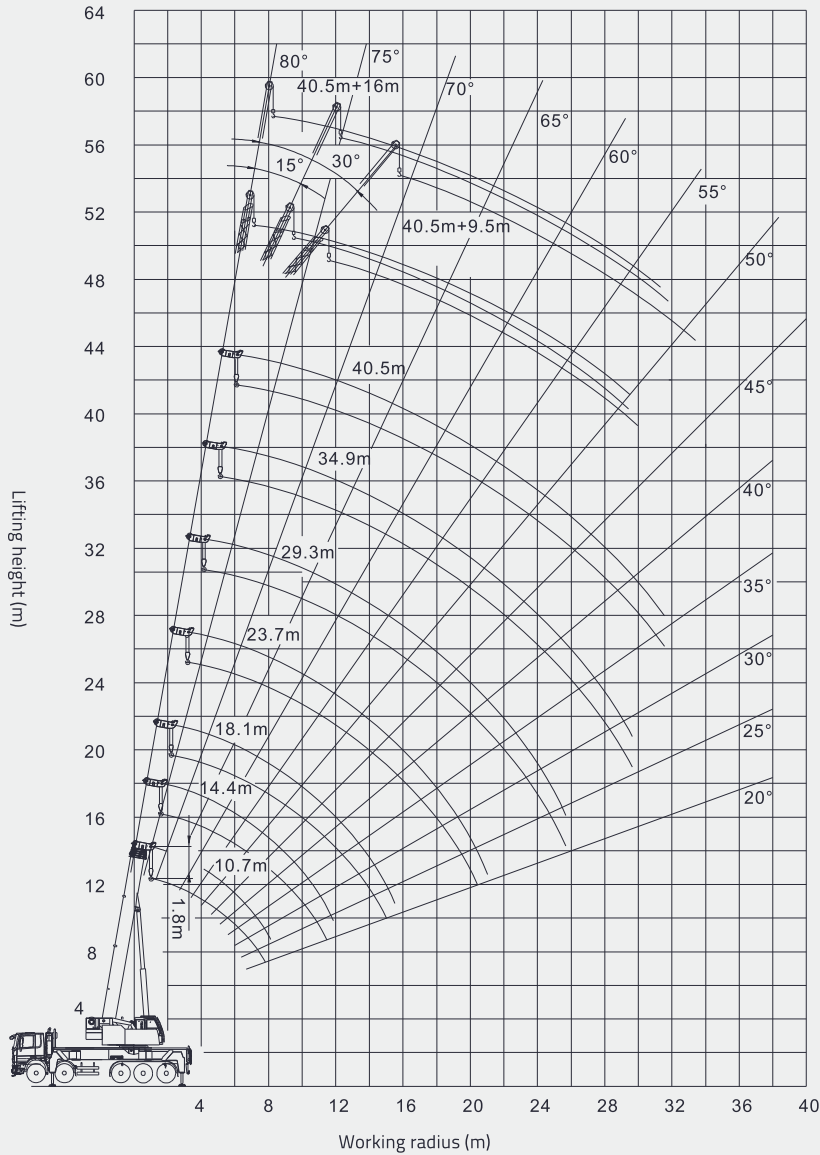
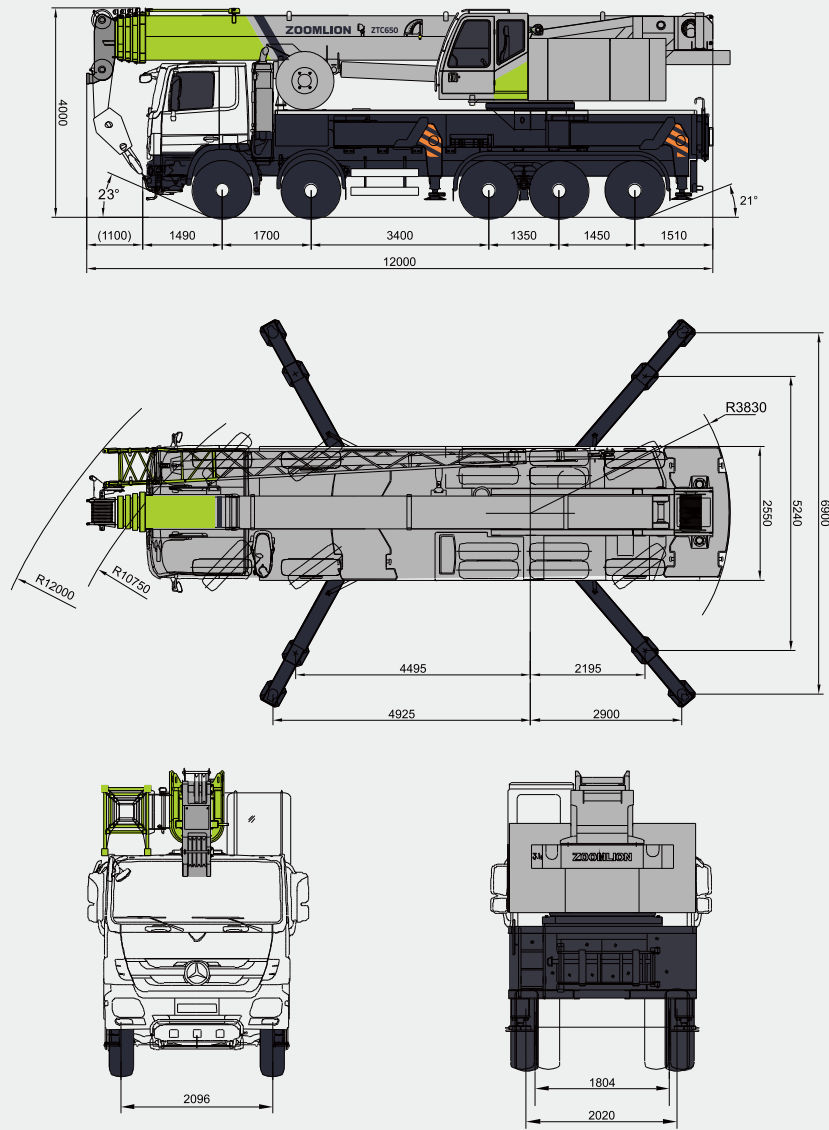
ZTC650

Technical data

Item	Value		Remarks
Working performance	Max. rated lifting capacity	kg	65000
	Max. load moment of basic boom	kN.m	1793
	Max. load moment of max. length main boom	kN.m	882
	Max. lifting height of basic boom	m	12.5
	Max. lifting height of main boom	m	41.8
	Max. lifting height of jib	m	59.3
Working speeds	Max. hoist rope speed (Main winch)	m/min	115
	Max. hoist rope speed (Auxiliary winch)	m/min	100
	Boom derricking up time	s	50
	Boom telescoping out time	s	90
	Slewing speed	r/min	0 – 2.2
Driving	Max. driving speed	km/h	90
	Max. gradeability	%	50
	Min. turning diameter	m	≤24
	Oil consumption per hundred kilometer	L	40
Mass	Deadweight in driving condition	kg	38000
	Axle load, axle 1	kg	7750
	Axle load, axle 2	kg	7750
	Axle load, axle 3	kg	7500
	Axle load, axle 4	kg	7500
	Axle load, axle 5	kg	7500
Dimension	Overall dimensions (L × W × H)	mm	12000×2550×4000
	Outrigger spread (L)	m	Fully extended: 7.83 m Intermediately extended: 6.69 m
	Outrigger spread (W)	m	Fully extended: 6.9 m Intermediately extended: 5.24 m
	Tail slewing radius	mm	3830
	Main boom length	m	10.7 – 40.5
	Boom angle	°	-2 – 80
	Jib length	m	9.5, 16.0
	Offset	°	0, 15, 30

ZTC650

Overall view / Lifting height chart



ZTC650

Rated lifting capacity table

Table 1		Unit: Metric kg					
Working radius(m)	Main boom (m)						
	Telescoping cylinder I and outriggers fully extended, with 12 t counterweight assembled, over full range						
	Main boom length / Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	18.1/19.7	23.7/25.3	29.3/30.8	34.9/36.3	40.5/41.8
2.5	65000**						
3.0	52000*	45000*	33000				
3.5	46000*	43000*	33000				
4.0	42000*	41000*	31500	25000			
4.5	39000	38000	29500	25000			
5.0	36000	35000	27500	23000			
6.0	30500	30000	24500	21000	17500		
7.0	25000	25000	21500	19000	16200	13000	
8.0	21000	21000	19500	17000	14500	12000	
9.0		18000	17800	15500	13200	11000	9000
10.0		16000	16000	14000	12000	10200	8400
11.0			14500	12500	11000	9300	7800
12.0			12500	11500	10200	8600	7200
14.0			9500	9800	8600	7400	6300
16.0				8000	7600	6400	5600
18.0				6400	6600	5600	5000
20.0					5600	5000	4400
22.0					4600	4400	3900
24.0						3900	3500
26.0						3500	3100
28.0						2900	2800
30.0							2500
32.0							2200
34.0							1900
36.0							1400
38.0							700
I	0	3.7	7.4	7.4	7.4	7.4	7.4
II	0	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	8	6	4	4	3
Hook	40 t						

Table 2		Unit: Metric kg				
Working radius(m)	Main boom (m)					
	Telescoping cylinder I intermediately extended and outriggers fully extended, with 12 t counterweight assembled, over full range					
	Main boom length /Max. lifting height of main boom					
	10.7/12.5	14.4/16.1	20/21.6	25.6/27.1	31.2/32.7	36.8/38.2
2.5	65000**					
3.0	52000*	45000*				
3.5	46000*	43000*				
4.0	42000*	41000*	25000			
4.5	39000	38000	25000			
5.0	36000	35000	25000	17500		
6.0	30500	30000	25000	17500		
7.0	25000	25000	25000	17500	13000	
8.0	21000	21000	25000	17500	11800	
9.0		18000	23500	16800	11000	9000
10.0		16000	19800	15500	10300	8500
11.0			16800	14500	9600	7900
12.0			14200	13500	8900	7300
14.0			10900	11500	7800	6400
16.0			8500	9100	7000	5700
18.0				7300	6200	5000
20.0				6000	5500	4400
22.0					4900	4000
24.0					4400	3600
26.0						3200
28.0						2900
30.0						2600
32.0						2300
34.0						
36.0						
I	0	3.7	3.7	3.7	3.7	3.7
II	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	6	4	4	3
Hook	40 t					

Table 3		Unit: Metric kg				
Working radius(m)	Main boom (m)					
	Telescoping cylinder I fully retracted and outriggers fully extended, with 12 t counterweight assembled, over full range					
	Main boom length /Max. lifting height of main boom					
	10.7/12.5	16.3/18.0	21.9/23.5	27.5/29.0	33/34.4	
2.5	65000**					
3.0	52000*					
3.5	46000*					
4.0	42000*	25000				
4.5	39000	25000				
5.0	36000	25000	17500			
6.0	30500	25000	17500	12800		
7.0	25000	24500	17000	11500		
8.0	21000	23000	15500	10600	9000	
9.0		22000	14200	9800	8800	
10.0		20000	13200	9200	8000	
11.0		17000	12200	8500	7400	
12.0		14500	11400	8000	6800	
14.0			10000	7000	6000	
16.0			9000	6200	5300	
18.0			7500	5400	4600	
20.0				4800	4100	
22.0				4400	3700	
24.0					3300	
26.0					3000	
28.0					2700	
30.0						
32.0						
34.0						
36.0						
I	0	0	0	0	0	
II	0	5.6	11.2	16.8	22.4	
Reevings	9	6	4	4	3	
Hook	40 t					

ZTC650

Rated lifting capacity table

Table 4		Unit: Metric kg						
Working radius(m)	Main boom (m)							
	Telescoping cylinder I fully extended and outriggers intermediately extended, with 12 t counterweight assembled, over full range							
	Main boom length / Max. lifting height of main boom							
	10.7/12.5	14.4/16.1	18.1/19.7	23.7/25.3	29.3/30.8	34.9/36.3	40.5/41.8	
2.5	65000**							
3.0	52000*	45000*	33000					
3.5	46000*	43000*	33000					
4.0	42000*	41000*	31500	25000				
4.5	39000	38000	29500	25000				
5.0	36000	35000	27500	23000				
6.0	30500	30000	24500	21000	17500			
7.0	24000	24000	21500	19000	16200	13000		
8.0	18500	18500	18000	17000	14500	12000		
9.0		14800	14500	15500	13200	11000	9000	
10.0		12000	12000	13000	12000	10200	8400	
11.0			9800	10800	11000	9300	7800	
12.0			8400	9300	10000	8600	7200	
14.0			6000	6900	7500	7400	6300	
16.0				5200	5800	6300	5600	
18.0				4000	4600	4900	5000	
20.0					3600	4000	4200	
22.0					2800	3100	3400	
24.0					2200	2500	2800	
26.0						2000	2300	
28.0						1600	1800	
30.0							1400	
32.0							1100	
34.0								
36.0								
I	0	3.7	7.4	7.4	7.4	7.4	7.4	
II	0	0	0	5.6	11.2	16.8	22.4	
Reevings	9	9	8	6	4	4	3	
Hook	40 t							

Table 5		Unit: Metric kg				
Working radius(m)	Main boom (m)					
	Telescoping cylinder I and outriggers intermediately extended, with 12 t counterweight assembled, over full range					
	Main boom length /Max. lifting height of main boom					
	10.7/12.5	14.4/16.1	20/21.6	25.6/27.1	31.2/32.7	36.8/38.2
2.5	65000**					
3.0	52000*	45000*				
3.5	46000*	43000*				
4.0	42000*	41000*	25000			
4.5	39000	38000	25000			
5.0	36000	35000	25000	17500		
6.0	30500	30000	25000	17500		
7.0	24000	24000	25000	17500	13000	
8.0	18500	18500	20000	17500	11800	
9.0		14800	16200	16800	11000	9000
10.0		12000	13500	14000	10300	8500
11.0			11500	12000	9600	7900
12.0			9800	10400	8900	7300
14.0			7400	8000	7800	6400
16.0			5600	6200	6500	5700
18.0				4800	5200	5000
20.0				3800	4200	4400
22.0					3500	3600
24.0					2800	3000
26.0						2500
28.0						2000
30.0						1700
32.0						
34.0						
36.0						
I	0	3.7	3.7	3.7	3.7	3.7
II	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	6	4	4	3
Hook	40 t					

Table 6		Unit: Metric kg				
Working radius(m)	Main boom (m)					
	Telescoping cylinder I fully retracted and outriggers intermediately extended, with 12 t counterweight assembled, over full range					
	Main boom length /Max. lifting height of main boom					
	10.7/12.5	16.3/18.0	21.9/23.5	27.5/29.0	33/34.4	
2.5	65000**					
3.0	52000*					
3.5	46000*					
4.0	42000*	25000				
4.5	39000	25000				
5.0	36000	25000	17500			
6.0	30500	25000	17500	12800		
7.0	24000	24500	17000	11500		
8.0	18500	21000	15500	10600	9000	
9.0		16800	14200	9800	8800	
10.0		14000	13200	9200	8000	
11.0		12000	12200	8500	7400	
12.0		10200	10800	8000	6800	
14.0			8400	7000	6000	
16.0			6600	6200	5300	
18.0			5300	5400	4600	
20.0				4600	4100	
22.0				3800	3700	
24.0					3300	
26.0					2800	
28.0					2400	
30.0						
32.0						
34.0						
36.0						
I	0	0	0	0	0	
II	0	5.6	11.2	16.8	22.4	
Reevings	9	6	4	4	3	
Hook	40 t					

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Rated lifting capacity table

Table 7Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I and outriggers fully extended, with 8 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	18.1/19.7	23.7/25.3	29.3/30.8	34.9/36.3	40.5/41.8
2.5	65000**						
3.0	52000*	45000*	33000				
3.5	46000*	43000*	33000				
4.0	42000*	41000*	31500	25000			
4.5	39000	38000	29500	25000			
5.0	36000	35000	27500	23000			
6.0	30500	30000	24500	21000	17500		
7.0	25000	25000	21500	19000	16200	13000	
8.0	21000	21000	19500	17000	14500	12000	
9.0		18000	17800	15500	13200	11000	9000
10.0		15200	15200	14000	12000	10200	8400
11.0			12600	12500	11000	9300	7800
12.0			10600	11000	10200	8600	7200
14.0			8600	8600	8600	7400	6300
16.0				6500	7100	6400	5600
18.0				5000	5600	5600	5000
20.0					4500	4800	4400
22.0					3600	4000	3900
24.0					2800	3200	3500
26.0						2600	2800
28.0						2100	2300
30.0							1900
32.0							1500
34.0							1200
36.0							
I	0	3.7	7.4	7.4	7.4	7.4	7.4
II	0	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	8	6	4	4	3
Hook	40 t						

Table 8Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I intermediately extended and outriggers fully extended, with 8 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	20/21.6	25.6/27.1	31.2/32.7	36.8/38.2	
2.5	65000**						
3.0	52000*	45000*					
3.5	46000*	43000*					
4.0	42000*	41000*	25000				
4.5	39000	38000	25000				
5.0	36000	35000	25000	17500			
6.0	30500	30000	25000	17500			
7.0	25000	25000	25000	17500	13000		
8.0	21000	21000	25000	17500	11800		
9.0		18000	20500	16800	11000	9000	
10.0		15200	17000	15500	10300	8500	
11.0			14200	14500	9600	7900	
12.0			12000	12800	8900	7300	
14.0			9000	9600	7800	6400	
16.0			6900	7500	7000	5700	
18.0				5800	6200	5000	
20.0				4800	5200	4400	
22.0					4200	4000	
24.0					3500	3600	
26.0						3100	
28.0						2600	
30.0						2200	
32.0							
34.0							
36.0							
I	0	3.7	3.7	3.7	3.7	3.7	3.7
II	0	0	5.6	11.2	16.8		22.4
Reevings	9	9	6	4	4		3
Hook	40 t						

Table 9Unit: Metric kg

Working radius(m)	Main boom (m)					
	Telescoping cylinder I fully retracted and outriggers fully extended, with 8 t counterweight assembled, over full range					
	Main boom length /Max. lifting height of main boom					
	10.7/12.5	16.3/18.0	21.9/23.5	27.5/29.0	33/34.4	
2.5	65000**					
3.0	52000*					
3.5	46000*					
4.0	42000*	25000				
4.5	39000	25000				
5.0	36000	25000	17500			
6.0	30500	25000	17500	12800		
7.0	25000	24500	17000	11500		
8.0	21000	23000	15500	10600	9000	
9.0		21000	14200	9800	8800	
10.0		17500	13200	9200	8000	
11.0		14500	12200	8500	7400	
12.0		12500	11400	8000	6800	
14.0			10000	7000	6000	
16.0			8000	6200	5300	
18.0			6400	5400	4600	
20.0				4800	4100	
22.0				4400	3700	
24.0					3300	
26.0					3000	
28.0					2700	
30.0						
32.0						
34.0						
36.0						
I	0	0	0	0	0	0
II	0	5.6	11.2	16.8		22.4
Reevings	9	6	4	4		3
Hook	40 t					

ZTC650

Rated lifting capacity table

Table 10Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I fully extended and outriggers intermediately extended, with 8 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	18.1/19.7	23.7/25.3	29.3/30.8	34.9/36.3	40.5/41.8
2.5	65000**						
3.0	52000*	45000*	33000				
3.5	46000*	43000*	33000				
4.0	42000*	41000*	31500	25000			
4.5	38000	38000	29500	25000			
5.0	35000	35000	27500	23000			
6.0	27000	27000	24500	21000	17500		
7.0	19000	19000	19500	19000	16200	13000	
8.0	15000	15000	15000	16000	14500	12000	
9.0		12000	12000	13000	13200	11000	9000
10.0		9800	9500	10500	11200	10200	8400
11.0			8000	9000	9600	9300	7800
12.0			6700	7600	8200	8600	7200
14.0			4500	5400	6100	6500	6300
16.0				4000	4600	4900	5200
18.0				2900	3500	3800	4100
20.0					2600	3000	3300
22.0					1900	2300	2600
24.0					1400	1800	2000
26.0						1300	1500
28.0						800	1100
30.0							
32.0							
34.0							
36.0							
I	0	3.7	7.4	7.4	7.4	7.4	7.4
II	0	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	8	6	4	4	3
Hook	40 t						

Table 11Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I and outriggers intermediately extended, with 8 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	20/21.6	25.6/27.1	31.2/32.7	36.8/38.2	
2.5	65000**						
3.0	52000*	45000*					
3.5	46000*	43000*					
4.0	42000*	41000*	25000				
4.5	38000	38000	25000				
5.0	35000	35000	25000	17500			
6.0	27000	27000	25000	17500			
7.0	19000	19000	21500	17500	13000		
8.0	15000	15000	16800	17500	11800		
9.0		12000	13600	14000	11000	9000	
10.0		9800	11200	11800	10300	8500	
11.0			9400	10000	9600	7900	
12.0			8000	8600	8900	7300	
14.0			3800	6400	6800	6400	
16.0			4200	4800	5300	5500	
18.0				3800	4200	4400	
20.0				2800	3300	3500	
22.0					2600	2800	
24.0					2000	2300	
26.0					1500	1800	
28.0						1400	
30.0						1000	
32.0							
34.0							
36.0							
I	0	3.7	3.7	3.7	3.7	3.7	3.7
II	0	0	5.6	11.2	16.8		22.4
Reevings	9	9	6	4	4		3
Hook	40 t						

Table 12Unit: Metric kg

Working radius(m)	Main boom (m)					
	Telescoping cylinder I fully retracted and outriggers intermediately extended, with 8 t counterweight assembled, over full range					
	Main boom length /Max. lifting height of main boom					
	10.7/12.5	16.3/18.0	21.9/23.5	27.5/29.0	33/34.4	
2.5	65000**					
3.0	52000*					
3.5	46000*					
4.0	42000*	25000				
4.5	38000	25000				
5.0	35000	25000	17500			
6.0	27000	25000	17500	12800		
7.0	19000	22000	17000	11500		
8.0	15000	17400	15500	10600	9000	
9.0		14000	14200	9800	8800	
10.0		11800	12200	9200	8000	
11.0		10800	10500	8500	7400	
12.0		8500	9000	8000	6800	
14.0			6800	7000	6000	
16.0			5300	5600	5300	
18.0			4200	4500	4600	
20.0				3600	3800	
22.0				3000	3000	
24.0					2500	
26.0					2100	
28.0					1800	
30.0						
32.0						
34.0						
36.0						
I	0	0	0	0	0	0
II	0	5.6	11.2	16.8		22.4
Reevings	9	6	4	4		3
Hook	40 t					

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Rated lifting capacity table

Table 13Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I and outriggers fully extended, with 4 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	18.1/19.7	23.7/25.3	29.3/30.8	34.9/36.3	40.5/41.8
2.5	65000**						
3.0	52000*	45000*	33000				
3.5	46000*	43000*	33000				
4.0	42000*	41000*	31500	25000			
4.5	39500	38000	29500	25000			
5.0	35000	35000	27500	23000			
6.0	29000	28000	24500	21000	17500		
7.0	24500	24500	21500	19000	17500	13000	
8.0	19800	19800	19500	17000	16000	12000	
9.0		15000	15000	15500	14500	11000	9000
10.0		12000	12000	13400	13200	10200	8400
11.0			10000	11000	11500	9300	7800
12.0			8300	9200	9800	8600	7200
14.0			5700	6700	7300	7400	6300
16.0				5000	5600	6000	5600
18.0				3700	4300	4700	5000
20.0					3300	3600	3900
22.0					2500	2900	3100
24.0					1800	2300	2500
26.0						1800	2000
28.0						1300	1600
30.0							1200
32.0							800
34.0							
36.0							
I	0	3.7	7.4	7.4	7.4	7.4	7.4
II	0	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	8	6	4	4	3
Hook	40 t						

Table 14Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I intermediately extended and outriggers fully extended, with 4 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	20/21.6	25.6/27.1	31.2/32.7	36.8/38.2	
2.5	65000**						
3.0	52000*	45000*					
3.5	46000*	43000*					
4.0	42000*	41000*	25000				
4.5	39500	38000	25000				
5.0	35000	35000	25000	17500			
6.0	29000	28000	25000	17500			
7.0	24500	24500	25000	17500	13000		
8.0	19800	19800	22000	17500	11800		
9.0		15000	17200	16800	11000	9000	
10.0		12000	14000	14500	10300	8500	
11.0			11500	12300	9600	7900	
12.0			9700	10400	8900	7300	
14.0			7100	7700	7800	6400	
16.0			5300	5900	6300	5700	
18.0				4600	5000	5000	
20.0				3600	3900	4200	
22.0					3100	3400	
24.0					2500	2800	
26.0					2000	2200	
28.0						1800	
30.0						1400	
32.0							
34.0							
36.0							
I	0	3.7	3.7	3.7	3.7	3.7	3.7
II	0	0	5.6	11.2	16.8		22.4
Reevings	9	9	6	4	4	3	
Hook	40 t						

Table 15Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I fully retracted and outriggers fully extended, with 4 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	16.3/18.0	21.9/23.5	27.5/29.0	33/34.4		
2.5	65000*						
3.0	52000*						
3.5	46000*						
4.0	42000*	25000					
4.5	39500	25000					
5.0	35000	25000	17500				
6.0	29000	25000	17500	12800			
7.0	24500	24500	17000	11500			
8.0	19800	22500	15500	10600	9000		
9.0		17500	14200	9800	8800		
10.0		14400	13200	9200	8000		
11.0		12000	12200	8500	7400		
12.0		10000	10800	8000	6800		
14.0			8200	7000	6000		
16.0			6200	6200	5300		
18.0			5000	5200	4600		
20.0				4200	4100		
22.0				3500	3700		
24.0					3000		
26.0					2500		
28.0					2000		
30.0							
32.0							
34.0							
36.0							
I	0	0	0	0	0		
II	0	5.6	11.2	16.8		22.4	
Reevings	9	6	4	4	3		
Hook	40 t						

ZTC650

Rated lifting capacity table

Table 16Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I fully extended and outriggers intermediately extended, with 4 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	18.1/19.7	23.7/25.3	29.3/30.8	34.9/36.3	40.5/41.8
2.5	65000**						
3.0	52000*	45000*	33000				
3.5	46000*	43000*	33000				
4.0	42000*	41000*	31500	25000			
4.5	39000	37000	29500	25000			
5.0	30500	30000	27500	23000			
6.0	22000	22000	22000	21000	17500		
7.0	16000	15800	15800	16000	16200	13000	
8.0	12500	12000	12000	12500	13000	12000	
9.0		9500	9400	10000	10800	11000	9000
10.0		7500	7500	8300	9000	9500	8400
11.0			6000	6800	7500	8000	7800
12.0			4700	5700	6300	6800	7200
14.0			3000	4000	4500	5000	5200
16.0				2700	3300	3700	4000
18.0				1800	2300	2700	3000
20.0					1600	2000	2300
22.0					1000	1400	1700
24.0						900	1200
26.0							
28.0							
30.0							
32.0							
34.0							
36.0							
I	0	3.7	7.4	7.4	7.4	7.4	7.4
II	0	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	8	6	4	4	3
Hook	40 t						

Table 17Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I and outriggers intermediately extended, with 4 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	20/21.6	25.6/27.1	31.2/32.7	36.8/38.2	
2.5	65000**						
3.0	52000*	45000*					
3.5	46000*	43000*					
4.0	42000*	41000*	25000				
4.5	39000	37000	25000				
5.0	30500	30000	25000	17500			
6.0	22000	22000	24000	17500			
7.0	16000	15800	17500	17500	13000		
8.0	12500	12000	13500	14500	11800		
9.0		9500	11000	11500	11000	9000	
10.0		7500	8800	9600	10000	8500	
11.0			7400	8000	8500	7900	
12.0			6000	6800	7200	7300	
14.0			4200	4900	5300	5600	
16.0			3000	3600	4000	4300	
18.0				2700	3000	3300	
20.0				2000	2300	2500	
22.0					1600	1900	
24.0					1200	1400	
26.0						1000	
28.0							
30.0							
32.0							
34.0							
36.0							
I	0	3.7	3.7	3.7	3.7	3.7	
II	0	0	5.6	11.2	16.8		22.4
Reevings	9	9	6	4	4	3	
Hook	40 t						

Table 18Unit: Metric kg

Working radius(m)	Main boom (m)				
	Telescoping cylinder I fully retracted and outriggers intermediately extended, with 4 t counterweight assembled, over full range				
	Main boom length /Max. lifting height of main boom				
	10.7/12.5	16.3/18.0	21.9/23.5	27.5/29.0	33/34.4
2.5	65000* *				
3.0	52000*				
3.5	46000*				
4.0	42000*	25000			
4.5	39000	25000			
5.0	30500	25000	17500		
6.0	22000	25000	17500	12800	
7.0	16000	18400	17000	11500	
8.0	12500	14200	15000	10600	9000
9.0		11500	12000	9800	8800
10.0		9400	10000	9200	8000
11.0		7800	8400	8500	7400
12.0		6600	7200	7600	6800
14.0			5300	5600	5800
16.0			4000	4400	4600
18.0			3000	3400	3700
20.0				2600	2800
22.0				2000	2200
24.0					1800
26.0					1400
28.0					1000
30.0					
32.0					
34.0					
36.0					
I	0	0	0	0	0
II	0	5.6	11.2	16.8	22.4
Reevings	9	6	4	4	3
Hook	40 t				

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Rated lifting capacity table

Table 19Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I and outriggers fully extended, with 0 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	18.1/19.7	23.7/25.3	29.3/30.8	34.9/36.3	40.5/41.8
2.5	65000**						
3.0	52000*	45000*	33000				
3.5	46000*	43000*	33000				
4.0	42000*	41000*	31500	25000			
4.5	39000	38000	29500	25000			
5.0	34000	33000	27500	23000			
6.0	27500	26000	24500	21000	17500		
7.0	21500	21500	21500	19000	16200	13000	
8.0	15500	15500	15500	16800	14500	12000	
9.0		12000	12000	13000	13200	11000	9000
10.0		9500	9300	10400	11000	10200	8400
11.0		7500	7400	8400	9000	9300	7800
12.0			5900	6900	7500	8000	7200
14.0			3800	4800	5500	5700	6000
16.0				3400	4000	4300	4600
18.0				2300	2900	3200	3500
20.0					2000	2300	2700
22.0					1400	1700	2100
24.0					900	1200	1500
26.0						800	1000
28.0							
30.0							
32.0							
34.0							
36.0							
I	0	3.7	7.4	7.4	7.4	7.4	7.4
II	0	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	8	6	4	4	3
Hook	40 t						

Table 20Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I intermediately extended and outriggers fully extended, with 0 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	20/21.6	25.6/27.1	31.2/32.7	36.8/38.2	
2.5	65000**						
3.0	52000*	45000*					
3.5	46000*	43000*					
4.0	42000*	41000*	25000				
4.5	39000	38000	25000				
5.0	34000	33000	25000	17500			
6.0	27500	26000	25000	17500			
7.0	21500	21500	23500	17500	13000		
8.0	15500	15500	17200	17500	11800		
9.0		12000	13500	14200	11000	9000	
10.0		9500	10800	11500	10300	8500	
11.0		7500	8900	9600	9600	7900	
12.0			7400	8000	8500	7300	
14.0			5200	5800	6200	6400	
16.0			3700	4200	4700	5000	
18.0				3200	3600	3900	
20.0				2400	2700	3000	
22.0					2100	2300	
24.0					1500	1800	
26.0					1100	1300	
28.0						1000	
30.0							
32.0							
34.0							
36.0							
I	0	3.7	3.7	3.7	3.7	3.7	3.7
II	0	0	5.6	11.2	16.8	22.4	
Reevings	9	9	6	4	4	3	
Hook	40 t						

Table 21Unit: Metric kg

Working radius(m)	Main boom (m)					
	Telescoping cylinder I fully retracted and outriggers fully extended, with 0 t counterweight assembled, over full range					
	Main boom length /Max. lifting height of main boom					
	10.7/12.5	16.3/18.0	21.9/23.5	27.5/29.0	33/34.4	
2.5	65000**					
3.0	52000*					
3.5	46000*					
4.0	42000*	25000				
4.5	39000	25000				
5.0	34000	25000	17500			
6.0	27500	25000	17500	12800		
7.0	21500	24000	17000	11500		
8.0	15500	18000	15500	10600	9000	
9.0		14200	14200	9800	8800	
10.0		11500	12000	9200	8000	
11.0		9500	10200	8500	7400	
12.0		8000	8600	8000	6800	
14.0			6300	6600	6000	
16.0			4700	5000	5300	
18.0			3600	4000	4200	
20.0				3000	3200	
22.0				2400	2600	
24.0					2000	
26.0					1600	
28.0					1200	
30.0						
32.0						
34.0						
36.0						
I	0	0	0	0	0	
II	0	5.6	11.2	16.8	22.4	
Reevings	9	6	4	4	3	
Hook	40 t					

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Rated lifting capacity table

Table 22Unit: Metric kg

Working radius(m)	Main boom (m)						
	Telescoping cylinder I fully extended and outriggers intermediately extended, with 0 t counterweight assembled, over full range						
	Main boom length /Max. lifting height of main boom						
	10.7/12.5	14.4/16.1	18.1/19.7	23.7/25.3	29.3/30.8	34.9/36.3	40.5/41.8
2.5	65000**						
3.0	52000*	45000*	33000				
3.5	46000*	43000*	33000				
4.0	38000	36000	31500	25000			
4.5	30000	30000	29500	25000			
5.0	23000	22000	21500	23000			
6.0	16500	16500	16500	17500	17500		
7.0	11500	11500	11500	12500	12500	13000	
8.0	8700	8700	8600	9500	9500	10000	
9.0		6700	6600	7600	8400	8500	9000
10.0		5200	5100	6000	6700	7000	7400
11.0		4000	3900	4800	5500	5800	6200
12.0			3000	3800	4500	4800	5200
14.0			1500	2400	3000	3300	3600
16.0				1400	1900	2300	2600
18.0					1100	1500	1800
20.0						900	1200
22.0							
24.0							
26.0							
28.0							
30.0							
32.0							
34.0							
36.0							
I	0	3.7	7.4	7.4	7.4	7.4	7.4
II	0	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	8	6	4	4	3
Hook	40 t						

Table 23Unit: Metric kg

Working radius(m)	Main boom (m)					
	Telescoping cylinder I and outriggers intermediately extended, with 0 t counterweight assembled, over full range					
	Main boom length /Max. lifting height of main boom					
	10.7/12.5	14.4/16.1	20/21.6	25.6/27.1	31.2/32.7	36.8/38.2
2.5	65000**					
3.0	52000*	45000*				
3.5	46000*	43000*				
4.0	38000	36000	25000			
4.5	30000	30000	25000			
5.0	23000	22000	25000	17500		
6.0	16500	16500	19000	17500		
7.0	11500	11500	13800	14800	13000	
8.0	8700	8700	10600	11200	11800	
9.0		6700	8200	9000	9500	9000
10.0		5200	6600	7200	7500	8000
11.0		4000	5200	5800	6400	6700
12.0			4300	4800	5300	5600
14.0			2800	3400	3800	4000
16.0			1700	2300	2700	3000
18.0				1500	1900	2100
20.0				1000	1300	1500
22.0						
24.0						
26.0						
28.0						
30.0						
32.0						
34.0						
36.0						
I	0	3.7	3.7	3.7	3.7	3.7
II	0	0	5.6	11.2	16.8	22.4
Reevings	9	9	6	4	4	3
Hook	40 t					

Table 24Unit: Metric kg

Working radius(m)	Main boom (m)				
	Telescoping cylinder I fully retracted and outriggers intermediately extended, with 0 t counterweight assembled, over full range				
	Main boom length /Max. lifting height of main boom				
	10.7/12.5	16.3/18.0	21.9/23.5	27.5/29.0	33/34.4
2.5	65000**				
3.0	52000*				
3.5	46000*				
4.0	38000	25000			
4.5	30000	25000			
5.0	23000	25000	17500		
6.0	16500	19800	17500	12800	
7.0	11500	14200	15200	11500	
8.0	8700	11000	11800	10600	9000
9.0		8800	9400	9800	8800
10.0		7000	7700	8000	8000
11.0		5600	6400	6800	7000
12.0		4600	5400	5600	6000
14.0			3800	4000	4400
16.0			2800	3000	3200
18.0			2000	2200	2400
20.0				1600	1800
22.0				1100	1400
24.0					
26.0					
28.0					
30.0					
32.0					
34.0					
36.0					
I	0	0	0	0	0
II	0	5.6	11.2	16.8	22.4
Reevings	9	6	4	4	3
Hook	40 t				

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Rated lifting capacity table

Table 25Unit: Metric kg

Boom angle (°)	Main boom (m) + jib (m)、 outriggers fully extended, with 12 t counterweight assembled, over full range					
	40.5 + 9.5			40.5 + 16		
	0°	15°	30°	0°	15°	30°
80	4500	3000	2150	2700	1700	1000
78	4500	2900	2100	2500	1600	1000
76	4200	2800	2000	2300	1500	1000
74	3800	2700	1950	2150	1400	1000
72	3500	2600	1900	1900	1300	1000
70	3200	2500	1850	1750	1200	950
68	3100	2400	1800	1650	1100	950
66	3000	2300	1750	1550	1000	900
64	2800	2200	1700	1450	950	850
62	2600	2100	1650	1350	900	800
60	2500	2000	1500	1250	850	750
58	2300	1900	1200	1200	800	700
56	2200	1800	1100	1100	750	600
54	2000	1700	1050	1050	700	
52	1900	1600	1000	1000	650	
50	1800	1500	950	950	600	
45	1500	1200	850	850		
40	1200	1000	750	750		
35	900	800	650	600		
Reevings	1					
Hook	4.5 t					

Table 26Unit: Metric kg

Boom angle (°)	Main boom (m) + jib (m)、 outriggers fully extended, with 8 t counterweight assembled, over full range					
	40.5 + 9.5			40.5 + 16		
	0°	15°	30°	0°	15°	30°
80	4500	3000	2150	2700	1700	1000
78	4500	2900	2100	2500	1600	1000
76	4200	2800	2000	2300	1500	1000
74	3800	2700	1950	2150	1400	1000
72	3500	2600	1900	1900	1300	1000
70	3200	2500	1850	1750	1200	950
68	3100	2400	1800	1650	1100	950
66	3000	2300	1750	1550	1000	900
64	2800	2200	1700	1450	950	850
62	2600	2100	1650	1350	900	800
60	2500	2000	1500	1250	850	750
58	2250	1900	1200	1200	800	700
56	2150	1750	1100	1100	750	600
54	1900	1650	1050	1050	700	
52	1700	1550	1000	1000	650	
50	1500	1450	900	900	600	
45	1000	900	800	750		
40	750	700	650			
35						
Reevings	1					
Hook	4.5 t					

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Rated lifting capacity table

Table 27Unit: Metric kg

Boom angle (°)	Main boom (m) + jib (m)、 outriggers fully extended, with 4 t counterweight assembled, over full range					
	40.5 + 9.5			40.5 + 16		
	0°	15°	30°	0°	15°	30°
80	4500	3000	2150	2700	1700	1000
78	4500	2900	2100	2500	1600	1000
76	4200	2800	2000	2300	1500	1000
74	3800	2700	1950	2150	1400	1000
72	3500	2600	1900	1900	1300	1000
70	3200	2500	1850	1750	1200	950
68	3100	2400	1800	1600	1100	950
66	3000	2300	1750	1550	1000	900
64	2700	2200	1700	1450	950	850
62	2400	2100	1650	1350	900	800
60	2000	1900	1500	1250	850	750
58	1800	1650	1200	1200	800	700
56	1500	1400	1100	1100	750	600
54	1200	1100	1000	950	700	
52	1100	1000	950	850	650	
50	900	800	700	600		
45						
40						
35						
Reevings	1					
Hook	4.5 t					

Table 28Unit: Metric kg

Boom angle (°)	Main boom (m) + jib (m)、 outriggers fully extended, with 0 t counterweight assembled, over full range					
	40.5 + 9.5			40.5 + 16		
	0°	15°	30°	0°	15°	30°
80	4500	3000	2150	2700	1700	1000
78	4500	2900	2100	2500	1600	1000
76	4200	2800	2000	2300	1500	1000
74	3800	2700	1950	2150	1400	1000
72	3500	2600	1900	1900	1300	1000
70	3100	2500	1850	1750	1200	950
68	2800	2400	1800	1600	1100	950
66	2400	2100	1700	1500	1000	900
64	2000	1850	1600	1400	950	850
62	1600	1500	1300	1200	850	800
60	1200	1150	1000	1000	800	700
58	1000	950	850	750	650	
56						
54						
52						
50						
45						
40						
35						
Reevings	1					
Hook	4.5 t					