

中联重科

Zoomlion ZTC250A562
Truck Crane

中联重科股份有限公司

1.1 Main Parameters

Item			
High Performance Parameters	Max. Rated Load	kg	25000
	The max. lifting moment of the basic	kN.m	1067
	Max lifting moment of the longest basic	kN.m	662
	Max lifting height of main boom	m	41.3
	Max lifting height of Jib	m	49.5
Working Speed	Max speed of single roll (Main winch)	m/min	130
	Max speed of single roll (Secondary	m/min	130
	Main boom lifting time	s	31
	Full extension time of main boom	s	74
	Swing speed	r/min	0~2.8
Drive	Max Speed	km/h	80
	Max gradeability	%	41
	Min turning radius	m	≤21
	Min ground clearance	mm	250
	Fuel consumption /100 km	L	28
Weight	Overall weight	kg	32300
	Axle load	kg	6700+12800+12800
Dimension	Overall dimension(L×W×H)	mm	12670×2550×3650
	Main boom length	m	41
	Main boom elevation	°	-1~80
	Jib length	m	8.5
	Jib mounting angle	°	0、15、30
Engine	Model		Weichai WP7.300E61
	Power	KW/r/min	220/2100
	Emission standard		Euro VI

1.2 Rated lifting weight table

Unit: KG

Working Range (m)	Main Boom (m)						
	I Full extension of outriggers, side and rear work						
	10.5	14.4	18.3	24	29.7	35.4	41
3	25000	25000					
3.5	25000	24000	19500				
4	24000	23000	19500				
4.5	22500	22300	19500	16600			
5	21000	20600	18600	16500			
5.5	19800	19000	17300	15500			
6	17900	17200	16300	14900	12800		
6.5	16100	15800	15500	14200	12300		
7	14700	14400	14200	13400	11500		
7.5	13500	13200	13000	12600	10900	9000	
8	12400	12200	12100	11900	10500	8800	
9		10300	10200	10700	9500	8200	6600
10		8500	8400	9100	8600	7400	6300
11		7100	6950	7700	7700	6800	6000
12			5800	6550	6900	6200	5600
13			4900	5600	6100	5700	5200
14			4100	4850	5300	5250	4800
15				4200	4600	4750	4400
16				3600	4100	4300	4050
18				2650	3100	3350	3500
20				1950	2400	2600	2850
22					1850	2100	2300
24					1350	1650	1800
26						1200	1400
28						900	1100
30							850
32							600
I	0	3.9	7.8	7.8	7.8	7.8	7.8
II	0	0	0	5.7	11.4	17.0	22.7
Magnification	8	8	6	5	4	3	3
Hook	25t						

Unit: KG

Working Range (m)	Main Boom (m)					
	I Full extension of outriggers, side and rear work					
	10.5	14.4	20.1	25.8	31.5	37.1
3	25000	25000				
3.5	25000	24000	16600			
4	24000	23000	16600			
4.5	22500	22300	16600			
5	21000	20600	16600	16000		
5.5	19800	19000	16600	16000		
6	17900	17200	16600	16000		
6.5	16100	15800	15500	15200	10400	
7	14700	14400	14400	14200	10000	
7.5	13500	13200	13200	13100	9500	7500
8	12400	12200	12200	12100	9200	7400
9		10300	11000	11000	8400	6900
10		8500	9200	9500	7800	6400
11		7100	7800	8000	7200	5900
12			6600	7000	6700	5500
13			5700	6200	6200	5100
14			4900	5300	5650	4800
15			4200	4700	5000	4500
16			3600	4100	4450	4200
18				3200	3500	3700
20				2500	2750	2900
22				1900	2200	2400
24					1750	1900
26					1350	1550
28						1250
30						950
32						700
I	0	3.9	3.9	3.9	3.9	3.9
II	0	0	5.7	11.4	17.0	22.7
Magnificati on	8	8	5	4	3	3
Hook	25t					

Unit: kg

Working Range (m)	Main Boom (m)				
	I Full extension of outriggers, side and rear work				
	10.5	16.2	21.9	27.6	33.2
3	25000	16600			
3.5	25000	16600			
4	24000	16600	16000		
4.5	22500	16600	16000		
5	21000	16600	16000		
5.5	19800	16600	16000	10600	
6	17900	16600	15800	10500	
6.5	16100	15800	15000	10100	
7	14700	14400	14400	9700	7800
7.5	13500	13200	13200	9300	7600
8	12400	12400	12200	8800	7400
9		11000	12000	8000	6700
10		9500	10100	7400	6200
11		8100	8700	6900	5700
12		7000	7500	6400	5300
13		6000	6550	5900	4900
14			5800	5500	4600
15			5100	5200	4300
16			4500	4800	4000
18			3550	3800	3500
20				3100	3100
22				2500	2700
24					2200
26					1800
28					1450
I	0	0	0	0	0
II	0	5.7	11.4	17.0	22.7
Magnification	8	6	5	4	3
Hook	25t				

Unit: kg

Working Range (m)	Main Boom (m)						
	I Half-extended outriggers, side and rear work						
	10.5	14.4	18.3	24	29.7	35.4	41
3	25000	25000					
3.5	25000	24000					
4	24000	23000	19500				
4.5	21500	21500	19500	16600			
5	19000	18800	18600	16500			
5.5	16000	15500	15500	15500	12800		
6	13600	13100	13000	13800	12300		
6.5	11600	11200	11000	11800	11500		
7	10000	9600	9500	10300	10500	9000	
7.5	8700	8300	8300	9100	9500	8800	
8	7600	7300	7200	8000	8500	8200	
9		5700	5600	6300	6800	7100	6600
10		4500	4300	5100	5500	5800	6100
11		3500	3400	4100	4600	4900	5200
12			2700	3300	3800	4100	4400
13			2000	2700	3100	3400	3700
14			1500	2200	2600	2900	3100
15			1100	1800	2200	2500	2700
16				1400	1800	2100	2300
18				800	1200	1500	1700
20					750	1000	1200
22						600	800
24							450
I	0	3.9	7.8	7.8	7.8	7.8	7.8
II	0	0	0	5.7	11.4	17.0	22.7
Magnifica tion	8	8	6	5	4	3	3
Hook	25t						

Unit: kg						
Working range (m)	Main Boom (m)					
	I Half-extended outriggers, side and rear work					
	10.5	14.4	20.1	25.8	31.5	37.1
3	25000	25000				
3.5	25000	24000				
4	24000	23000	16600			
4.5	21500	21500	16600			
5	19000	18800	16600	16000		
5.5	16000	15500	16000	16000		
6	13600	13100	14000	14700		
6.5	11600	11200	12000	12900	10400	
7	10000	9600	10500	11300	10000	
7.5	8700	8300	9200	10000	9500	7500
8	7600	7300	8200	8800	8900	7400
9		5700	6500	7100	7200	6900
10		4500	5300	5800	6000	6400
11		3500	4400	4900	5000	5200
12			3600	4100	4200	4300
13			2900	3400	3500	3700
14			2400	2900	3000	3200
15			2000	2500	2600	2800
16			1600	2100	2200	2400
18				1400	1600	1800
20				900	1100	1300
22					700	900
24						600
I	0	3.9	3.9	3.9	3.9	3.9
II	0	0	5.7	11.4	17.0	22.7
Magnificatio n	8	8	6	4	3	3
Hook	25tHook					

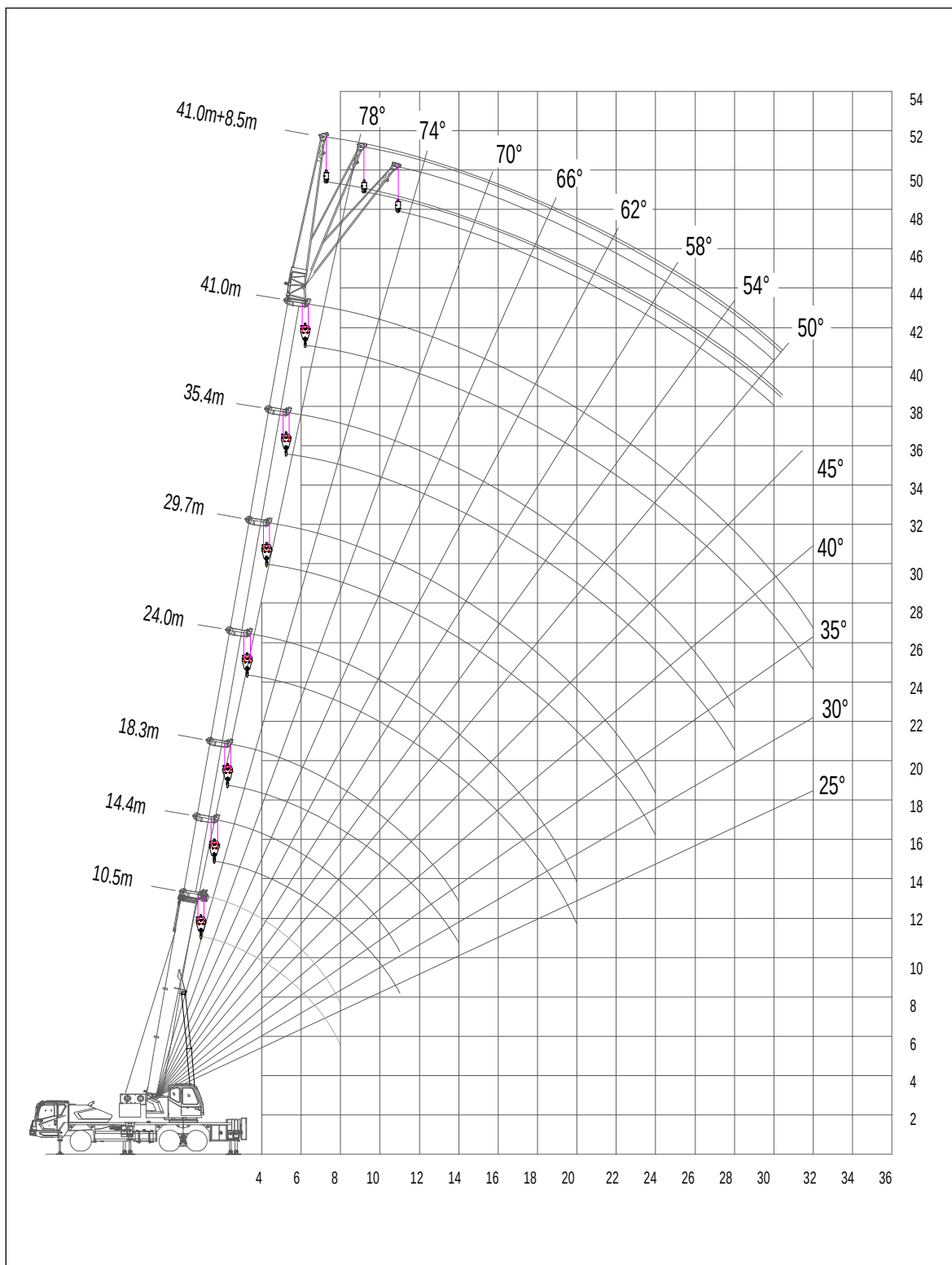
Unit: KG

Working Range (m)	主 臂 (m)				
	I The cylinder is extended to 0%, Half-extended outriggers, side and rear work				
	10.5	16.2	21.9	27.6	33.2
3	25000	16600			
3.5	25000	16600			
4	24000	16600	16000		
4.5	21500	16600	16000		
5	19000	16600	16000		
5.5	16000	16600	16000	10600	
6	13600	14500	15000	10500	
6.5	11600	12600	13000	10100	
7	10000	11000	11500	9700	7800
7.5	8700	9800	10200	9300	7600
8	7600	8700	9200	8800	7400
9		7000	7500	7800	6700
10		5800	6200	6500	6200
11		4800	5200	5500	5700
12		4000	4400	4700	4800
13		3400	3800	4000	4200
14			3300	3500	3600
15			2800	3000	3100
16			2400	2600	2700
18			1800	2000	2100
20				1500	1600
22				1100	1200
24					900
26					600
I	0	0	0	0	0
II	0	5.7	11.4	17.0	22.7
Magnificati on	8	5	4	3	3
Hook	25t				

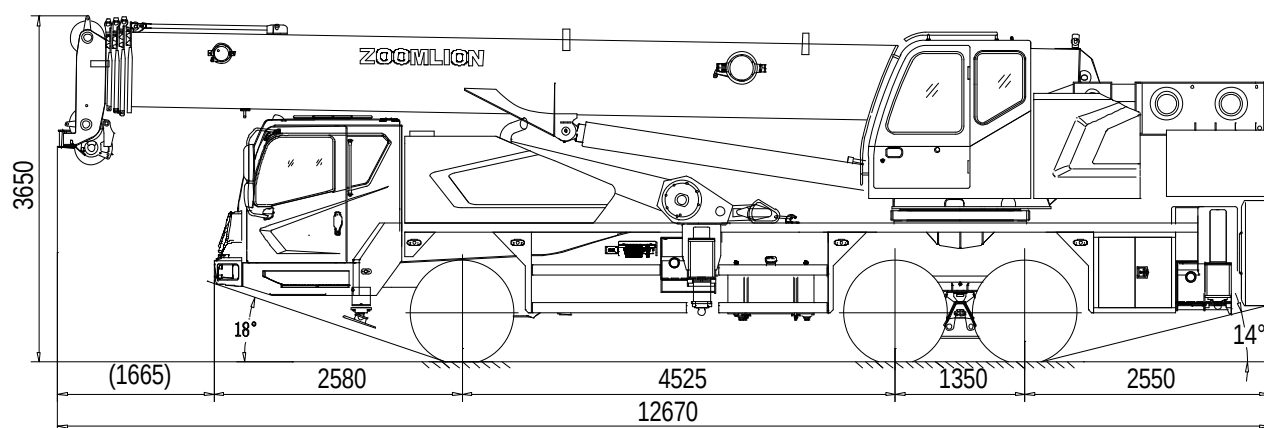
Unit: kg

Main boom elevation (°)	Main boom(m) + Jib boom(m)		
	Outrigger fully extended		
	41.0+8.5		
	0°	15°	30°
	Rear、Side	Rear、Side	Rear、Side
80	2800	2600	2000
78	2800	2500	1900
76	2800	2400	1850
74	2800	2250	1800
72	2800	2100	1700
70	2600	1950	1600
68	2450	1850	1550
66	2200	1750	1450
64	2000	1650	1400
62	1750	1600	1350
60	1500	1400	1300
58	1300	1200	1150
56	1100	1050	1000
54	950	900	850
52	800	750	700
50	650	650	600
Magnificati on	1		
Hook	3t Hook		

2. Lifting height curve



2.1 Dimensions of the driving state (dimensions: mm)



3.1 Five-section box-type telescopic boom, U-shaped section, excellent section bending performance. The main arm cylinder is made of low-alloy high-strength steel plate, which has strong bearing capacity, light weight, large lateral stiffness and small end deflection.

The self-created embedded slider structure is adopted. Through the optimized design, the self-weight of the boom is greatly reduced, and the local stress distribution is more uniform, which completely eliminates the phenomenon of local stress depression and deformation of the boom, and has good guidance.

3.2 A truss-type jib, which is placed on the side of the main boom when not in use, is assembled and disassembled by a bolt, and is connected with the main boom at three inclination angles of 0° , 15° , and 30° .。

3.3 Turntable

Profile structure, optimized design, scientific layout of main boom and luffing hinge points, make it reasonable in force, unique in structure and beautiful in appearance.