

ZOOMLION TRUCK CRANE ZTC1500H



ZOOMLION

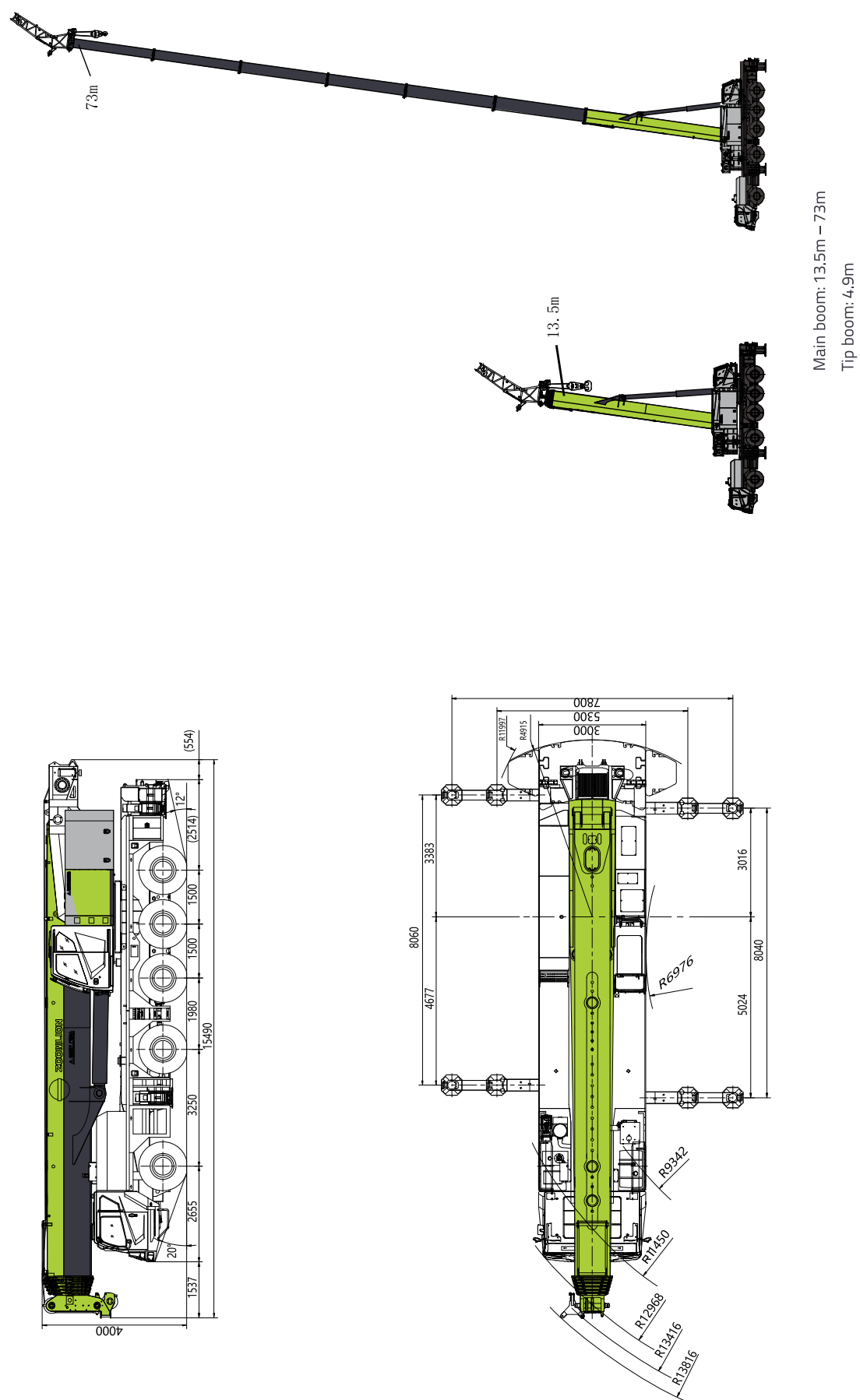
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PRODUCTS

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CRANE DIMENSIONS

BOOM / JIBS COMBINATION



BOOM / JIBS COMBINATION



Main boom: 59m, Jibs: 10.4m (4.9m adapter + 5.5m jib section 1)
Main boom: 63.55m, Jibs: 10.4m (4.9m adapter + 5.5m jib section 1)
Main boom: 68.1m, Jibs: 10.4m (4.9m adapter + 5.5m jib section 1)

Main boom: 59m, Jibs: 17.5m (10.4m + 7.1m jib section 2)
Main boom: 63.55m, Jibs: 17.5m (10.4m + 7.1m jib section 2)
Main boom: 68.1m, Jibs: 17.5m (10.4m + 7.1m jib section 2)

Main boom: 59m, Jibs: 25.5m (17.5m + 8m extension 1)
Main boom: 63.55m, Jibs: 25.5m (17.5m + 8m extension 1)
Main boom: 68.1m, Jibs: 25.5m (17.5m + 8m extension 1)

BOOM / JIBS COMBINATION



Main boom: 59m, jibs: 33.5m (25.5m + 8m extension 2)
 Main boom: 63.55m, jibs: 33.5m (25.5m + 8m extension 2)
 Main boom: 68.1m, jibs: 33.5m (25.5m + 8m extension 2)

CRANE AND COMPONENT WEIGHTS

 Axle	1	2	3	4	5	Total weight
Kg	10980	10980	10980	10980	10980	54900

Hook Detailed Description

Hook Load T	No. of Sheaves	No. of Lines	Weight Kg	Remark
110(anchor)	7	14	1200	optional
90(anchor)	7	14	1080	standard
70(anchor)	5	10	910	optional
55	4	8	750	standard
25	1	3	580	optional
9	0	1	310	standard

Working Speed

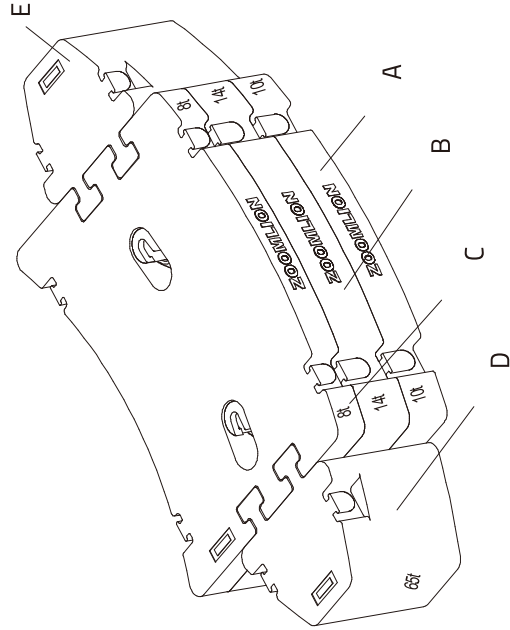
	 (km/h) MAX.		
385/95R24	80	45	12/ R2

Drive	Operation Speed	Rope diameter/length	Max. single line pull
	135m/min	Φ 20mm/330m	9000Kg
	120m/min	Φ 19mm/220m	8600Kg
	0 ~ 1.5r/min		
	65/80s		
	630/480s		

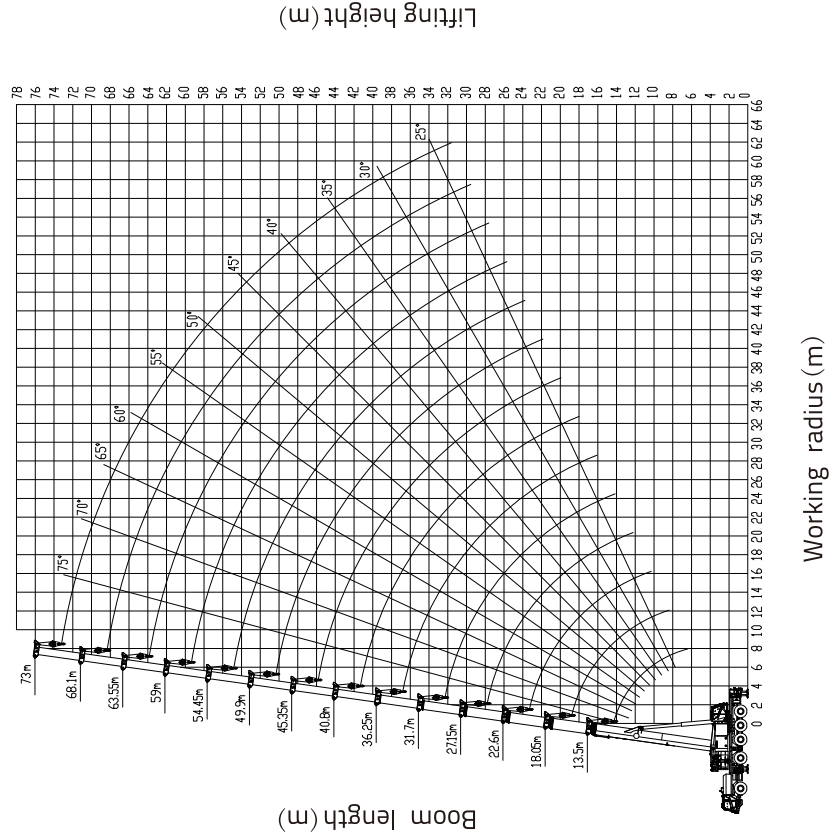
CRANE AND COMPONENT WEIGHTS



Counterweight	Size(L*W*H) mm	Weight T	10T	24T	32T	45T
A	2940 x1944 x1010	10	1	1	1	1
B	2940 x1944 x455	14	/	1	1	1
C	2940 x1944 x265	8	/	/	1	1
D	1225 x555 x1020	6.5	/	/	/	1
E	1225 x555 x1020	6.5	/	/	/	1



LIFTING HEIGHT CURVE



LIFTING CAPACITY TABLES

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear																	
Working Radius (m)	Main boom length (m)																
	13.5*	18.05	18.05	18.05	18.05	18.05*	22.6	22.6	22.6	22.6	22.6	22.6*	22.6	22.6	22.6	22.6	
3.0	150**	33.0	46.0	65.0	90	100*	25.0	38.0	46	65.0	90.0	88.0					
3.5	105*	33.0	45.0	65.0	90	95*	24.0	37.0	45.0	64.0	87.0	85.0					
4.0	100*	31.5	44.0	63.0	86	90	22.0	35.0	42.5	61.0	83.0	80.0					
4.5	96*	30.0	42.5	61.0	83	85	21.0	33.0	40.0	57.0	78.0	75.0					
5.0	92*	28.5	41.0	59.0	80.0	80	20.0	32.0	38.0	54.0	73.0	70.0					
5.5	86	27.0	39.0	58.0	74.5	75	19.0	30.5	37.0	51.0	69.0	65.0					
6.0	80	26.0	37.0	56.5	70.5	71	18.0	29.5	36.0	49.0	65.0	61.0					
7.0	67	24.0	35.0	52.0	64.0	66	16.5	27.5	34.0	44.0	60.0	56.0					
8.0	58	22.5	33.0	47.5	58.0	58	15.0	25.5	32.5	41.0	54.0	49.0					
9.0	50	21.0	31.0	44.0	52.5	50	14.0	24.0	31.0	39.0	50.0	46.0					
10.0		20.0	29.0	42.0	46.0	44	13.0	22.5	29.0	34.5	44.0	43.0					
11.0		18.5	28.0	38.0	41.5	40	12.0	21.5	27.5	32.0	40.5	40.0					
12.0		17.5	27.0	34.5	35.0	35.5	11.5	20.5	26.0	30.0	35.0	35.0					
14.0							10.0	18.5	24.0	26.5	28.0	27.0					
16.0							9.0	16.5	23.0	23.5	22.5	21.5					
18.0																	
Reeving	14			14			12										
Hook		90t															
Telescoping Mode	I	1	1	1	1	1	1	1	1	1	1	1	2				
	II	1	1	1	1	2	1	1	1	1	2	2	2				
	III	1	1	1	2	1	1	1	1	2	2	2	1				
	IV	1	1	2	1	1	1	1	2	2	1	1	1				
	V	1	2	1	1	1	1	2	2	1	1	1	1				
	VI	2	1	1	1	1	3	2	1	1	1	1	1				

Note: The point marked with “***” is nominal lifting capacity. Those points marked with “*” are applicable by using 110T hook.

Outriggers fully extended (7,8 m), with 45 tons counterweight, over sides and rear																
Working Radius (m)	Main boom length (m)															
	27,15	27,15	27,15	27,15	27,15	27,15	27,15	27,15	27,15	27,15*	31,7	31,7	31,7	31,7	31,7	31,7*
3,5	24,0	28,0	37,0	46,0	65,0	75,0										
4,0	23,5	27,5	36,0	46,0	65,0	75,0										
4,5	22,5	26,0	34,5	45,0	63,0	75,0										
5,0	21,5	24,5	33,5	44,0	60,0	70,0	21,0	26,0	22,5	34,0	45,0	65,0				
5,5	20,5	23,0	32,0	43,0	57,5	66,0	20,0	24,5	21,5	33,0	43,0	62,5				
6,0	20,0	22,0	31,0	41,0	55,0	64,0	19,0	23,5	20,0	32,0	42,0	60				
7,0	18,0	20,0	29,0	37,0	50,0	59,0	17,0	21,5	18,5	30,0	41,0	57				
8,0	16,5	18,0	27,5	34,0	46,5	54,0	16,0	20,0	17,0	28,5	39,0	53				
9,0	15,5	17,0	25,5	31,5	43,0	50,0	14,5	18,5	15,5	27,0	36,0	49				
10,0	14,5	15,5	24,5	29,0	40,0	44,0	13,5	17,0	14,0	25,5	33,0	43				
11,0	13,5	14,5	23,0	27,0	37,5	39,0	12,5	16,0	13,0	24,5	31,0	39				
12,0	13,0	13,5	22,0	25,5	34,0	35,5	11,5	15,0	12,0	23,0	29,0	35,5				
14,0	11,5	12,0	20,0	22,5	29,0	28,5	10,0	13,5	10,5	20,5	26,0	28,5				
16,0	10,5	10,5	18,5	20,0	23,5	23,0	9,0	12,0	9,5	18,0	22,5	23,5				
18,0	9,5	9,5	17,0	18,0	19,5	19,0	8,0	11,0	8,5	16,5	20,0	18,5				
20,0	8,5	8,5	15,5	16,0	16,5	15,5	7,5	10,0	7,7	15,0	17,5	16,5				
22,0							7,0	9,2	7,0	14,0	15,0	14				
24,0							6,5	8,5	6,5	13,0	13,0	12				
Reeving	10															
Hook	90t															
Telescoping mode	I	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	II	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2
	III	1	1	1	1	2	2	2	1	1	1	2	2	2	2	2
	IV	1	1	1	2	2	2	1	1	2	3	2	2	2	2	2
	V	2	3	2	2	1	1	1	3	2	2	2	2	2	1	1
	VI	3	2	2	1	1	1	1	2	2	2	2	2	1	1	1

LIFTING CAPACITY TABLES

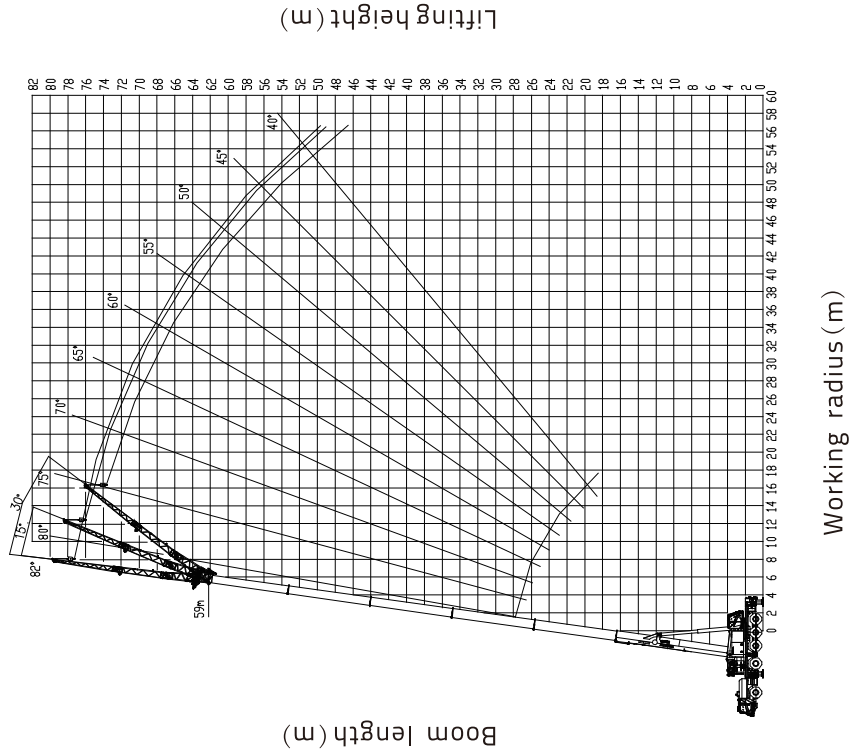
Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)													
	36,25	36,25	36,25	36,25	36,25	36,25*	40,8	40,8	40,8	40,8	40,8	40,8	40,8*	
6.0	19.0	18.5	22.0	27.5	32.0	46.0								
7.0	18.0	17.0	20.5	25.0	31.0	46.0	16.0	18.0	21.5	25.0	32.5	38.0		
8.0	16.5	15.5	18.5	23.0	30.0	46.0	14.5	16.5	20.0	23.0	30.0	38.0		
9.0	15.5	14.0	17.0	21.0	29.0	44.0	13.0	15.2	18.5	21.0	27.5	37.5		
10.0	14.5	13.0	16.0	19.5	28.0	42.5	12.0	14.0	17.2	19.5	25.5	37.0		
11.0	13.5	12.0	15.0	18.0	27.0	39.5	11.0	13.0	16.0	18.0	24.0	36.0		
12.0	12.5	11.0	14.0	17.0	25.0	35.0	10.5	12.5	15.0	17.0	22.0	35.0		
14.0	11.0	9.5	12.3	14.5	23.0	29.0	9.0	11.0	13.5	15.0	19.0	30.0		
16.0	10.0	8.5	11.0	13.0	21.0	24.0	8.0	9.5	12.0	13.0	16.8	24.5		
18.0	9.0	7.6	10.0	12.0	19.0	19.5	7.2	8.5	11.0	12.0	15.0	20.5		
20.0	8.0	7.0	9.0	10.5	17.0	17.0	6.5	8.0	9.5	11.0	13.5	17.5		
22.0	7.5	6.5	8.0	9.5	15.5	14.0	6.0	7.0	8.5	10.0	12.5	14.5		
24.0	7.0	6.0	7.5	8.5	13.5	12.0	5.5	6.5	8.0	9.0	11.5	13.0		
26.0	6.5	5.6	7.0	8.0	12.0	10.0	5.0	6.0	7.0	8.0	10.5	11.5		
28.0	6.0	5.0	6.5	7.5	10.5	9.0	4.5	5.5	6.5	7.5	9.5	10.0		
30.0							4.0	5.0	6.0	7.0	8.5	8.9		
32.0							3.5	4.5	5.5	6.5	7.9	7.9		
34.0														
Reeving	6						5							
Hook	55t													
Telescoping mode	I	1	1	1	1	1	2	1	1	1	1	1	2	
	II	1	1	1	1	2	2	1	1	1	2	3	2	
	III	1	1	2	3	2	2	1	2	3	3	2	2	
	IV	2	3	3	2	2	2	3	3	3	2	2	2	
	V	3	3	2	2	2	2	3	3	2	2	2	2	
	VI	3	2	2	2	2	2	1	3	2	2	2	2	

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)													
	45.35	45.35	45.35	45.35	45.35	45.35	45.35*	49.9	49.9	49.9	49.9	49.9	49.9	49.9*
9.0	14.0	16.0	20.0	23.0	29.0	32.0	15.0	17.5	21.5	24.0	26.5			
10.0	13.0	15.0	19.0	21.5	27.0	30.0	14.0	16.5	20.0	23.0	26.5			
11.0	12.0	14.0	18.0	20.0	25.0	28.5	13.0	15.5	19.0	21.5	25.0			
12.0	11.5	13.0	16.5	19.0	23.5	27.0	12.0	14.5	18.0	20.0	23.5			
14.0	10.0	12.0	15.0	16.5	20.5	24.0	11.0	13.0	16.0	17.5	21.0			
16.0	9.0	10.5	13.5	15.0	18.2	21.5	10.0	12.0	14.0	15.5	19.2			
18.0	8.0	9.5	12.0	13.0	16.3	19.4	9.0	10.5	12.5	14.0	17.3			
20.0	7.2	8.5	11.0	12.0	14.5	17.5	8.0	9.8	11.3	12.6	15.8			
22.0	6.5	8.0	10.0	11.0	13.2	14.5	7.2	9.0	10.3	11.5	14.3			
24.0	6.0	7.2	9.2	10.0	12.0	12.5	6.5	8.0	9.5	10.6	12.3			
26.0	5.5	6.5	8.0	9.0	11.3	11.0	6.0	7.4	8.8	9.8	11.0			
28.0	5.1	6.0	7.5	8.0	9.8	9.5	5.5	6.9	7.8	9.0	9.6			
30.0	4.7	5.5	7.0	7.5	7.7	8.4	5.2	6.1	7.0	8.3	8.4			
32.0	4.2	5.0	6.5	7.0	7.6	7.4	4.8	5.6	6.5	7.8	7.4			
34.0	3.8	4.7	6.0	6.5	6.7	6.4	4.4	5.2	6.0	7.0	6.4			
36.0	3.6	4.3	5.4	6.2	6.0	5.7	4.0	4.8	5.5	6.0	5.7			
38.0	3.3	3.9	4.8	5.8	5.2	4.8	3.5	4.2	5.0	5.4	4.9			
40.0							3.2	3.9	4.5	4.8	4.2			
42.0							3	3.6	4.0	4.2	3.6			
Reeving	4													
Hook	55t													
Telescoping mode	I	1	1	1	1	2	3	1	1	1	2	3		
	II	1	1	1	2	3	2	1	2	3	3	3		
	III	2	3	3	3	2	2	3	3	3	3	2		
	IV	3	3	3	2	2	2	3	3	3	2	2		
	V	3	3	2	2	2	2	3	3	2	2	2		
	VI	3	2	2	2	2	2	3	2	2	2	2		

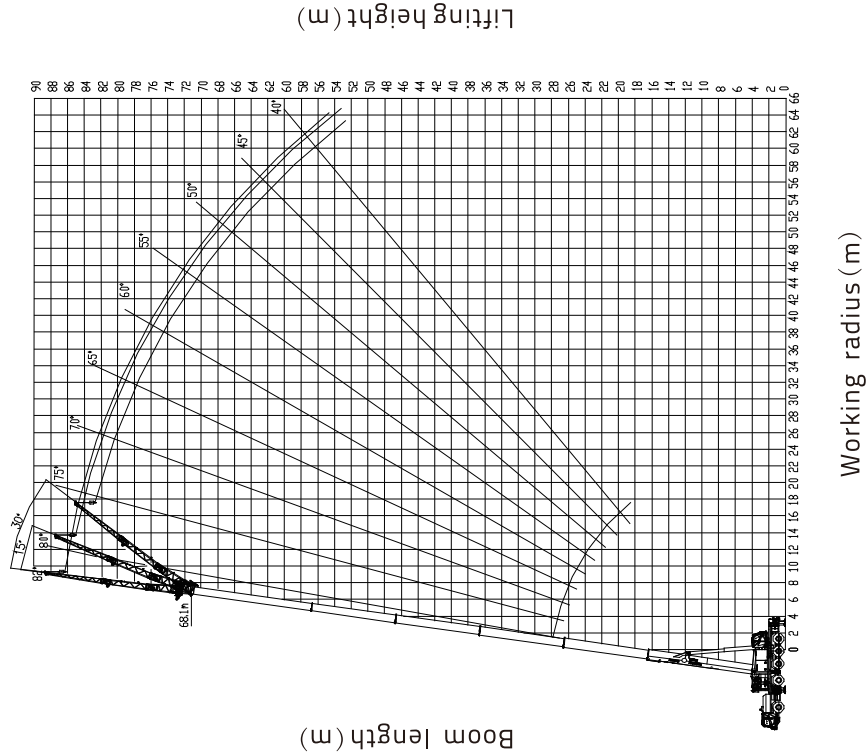
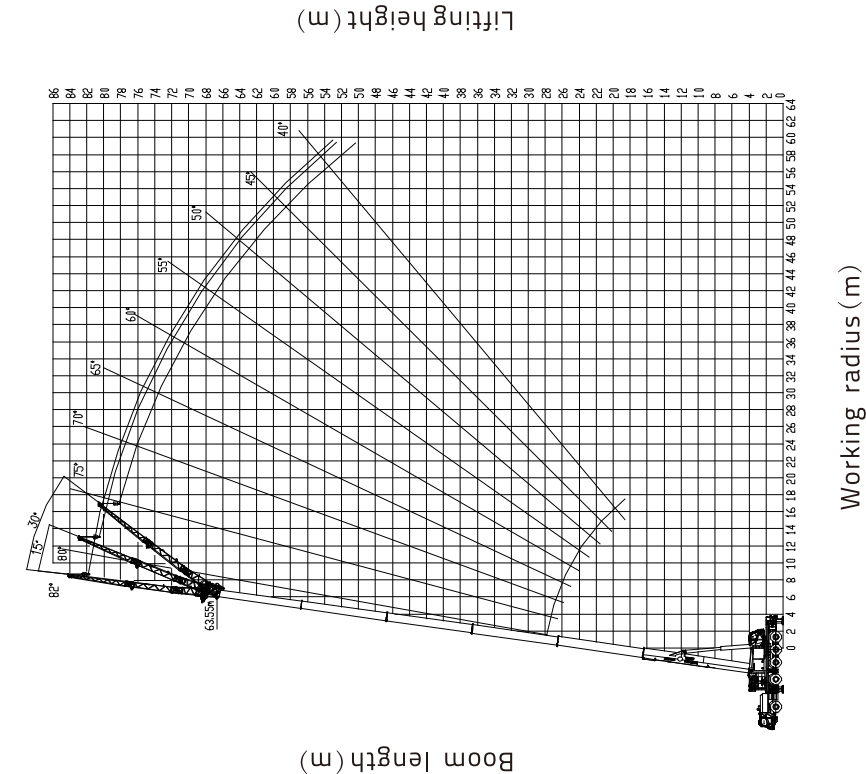
LIFTING CAPACITY TABLES

LIFTING HEIGHT CURVE

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear												
Radius (m)	Main boom length (m)											
	54,45	54,45	54,45	54,45*	59	59	59*	63,55	63,55*	68,1*	73*	
12.0	13.0	15.5	19.0	20.5	14.0	15.5	16					
14.0	11.5	14.0	17.0	18.5	12.5	14.0	16	13.5	14.0			
16.0	10.5	13.0	15.0	17.0	11.5	12.8	15.2	12.5	13.2	11	9.2	
18.0	9.5	11.5	13.5	15.5	10.5	11.7	13.8	12.0	12.0	10.5	9	
20.0	9.0	10.5	12.0	14.0	9.5	10.6	12.5	11.0	11.2	10	8.6	
22.0	8.0	9.5	11.0	12.8	8.8	9.7	11.5	10.2	10.4	9.2	8.1	
24.0	7.5	8.5	10.0	11.7	8.0	8.9	10.5	9.5	9.5	8.6	7.7	
26.0	7.0	8.0	9.0	10.6	7.5	8.3	9.7	9.0	9.0	8.1	7.2	
28.0	6.5	7.5	8.2	9.5	7.0	7.7	8.9	8.5	8.2	7.6	6.8	
30.0	6.0	7.0	7.5	8.5	6.5	7.2	8.2	8.0	7.5	7.2	6.2	
32.0	5.5	6.0	7.0	7.5	6.0	6.8	7.4	7.3	7.1	6.7	5.8	
34.0	5.0	5.5	6.5	6.6	5.5	6.4	6.7	6.8	6.6	6	5.3	
36.0	4.7	5.0	6.1	5.7	5.0	5.8	6	6.4	6.1	5.5	5	
38.0	4.3	4.6	5.6	5.0	4.6	5.0	5.2	5.9	5.6	5	4.5	
40.0	3.9	4.2	5.0	4.4	4.3	4.8	4.6	5.4	5.0	4.5	4.1	
42.0	3.6	4.0	4.5	3.8	4.0	4.5	4	5.0	4.5	4.1	3.8	
44.0	3.3	3.6	4.0	3.3	3.7	4.2	3.5	4.7	3.9	4	3.6	
46.0	2.9	3.3	3.5	2.8	3.4	3.7	3	4.3	3.4	3.6	3.3	
48.0					3.2	3.2	2.6	3.5	3.0	3.2	3	
50.0					3.0	2.8	2.2	3.1	2.6	2.8	2.8	
52.0								2.8	2.2	2.5	2.5	
54.0								2.5	1.8	2.2	2.2	
56.0										1.8	1.9	
58.0										1.6	1.6	
60.0											1.3	
Reeving	3				2					2		
Hook	25t											
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4
	II	2	3	3	3	3	3	3	3	3	3	4
	III	3	3	3	3	3	3	3	3	3	3	4
	IV	3	3	3	2	3	3	3	3	3	3	4
	V	3	3	2	2	3	3	2	3	3	3	4
	VI	3	2	2	2	3	2	2	3	2	3	4



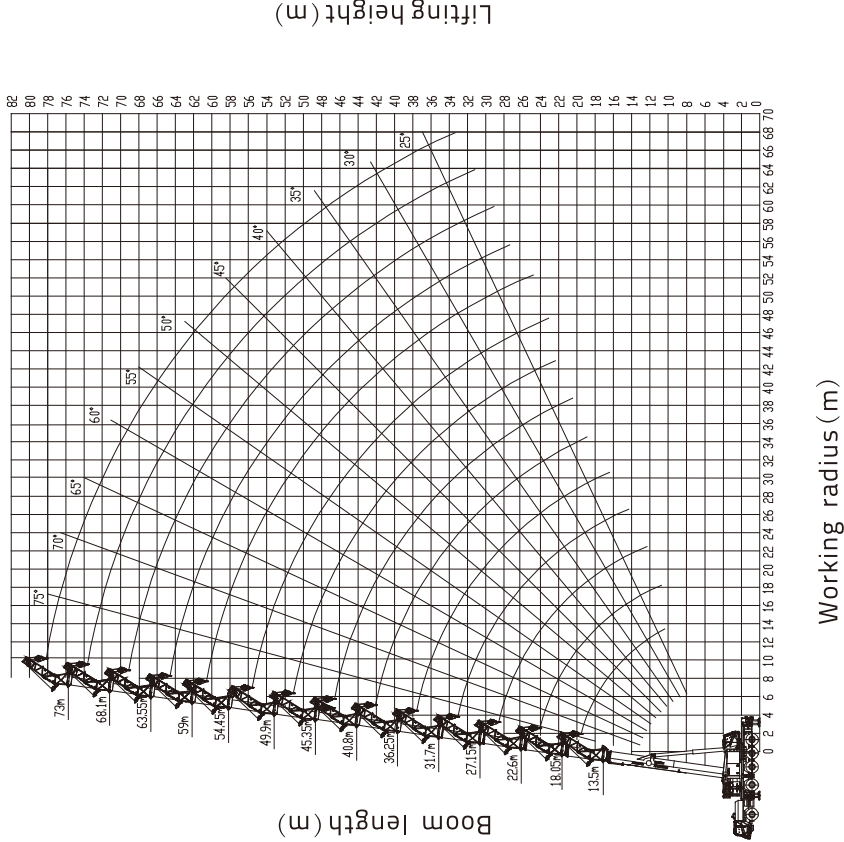
LIFTING HEIGHT CURVE



LIFTING CAPACITY TABLES

LIFTING HEIGHT CURVE

Radius (m)	Main boom (m) + jib (m)									
	Outriggers are fully extended, with 45 tons counterweight, over sides and rear									
	17.5									
	59	63.55	68.1							
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	4,9									
18	4,5			4,5						
20	4,2	3,5		4,2			3,7			
22	4,0	3,0	2,5	3,9	3,3		3,6			
24	3,8	2,9	2,3	3,7	2,9	2,5	3,5	3,3		
26	3,6	2,9	2,3	3,5	2,7	2,3	3,4	2,8	2,5	
28	3,5	2,7	2,2	3,3	2,7	2,2	3,2	2,6	2,3	
30	3,2	2,6	2,2	3,1	2,6	2,2	3,0	2,5	2,2	
32	3,1	2,5	2,1	3,0	2,5	2,1	2,9	2,4	2,1	
34	2,9	2,4	2,1	2,8	2,4	2,1	2,8	2,3	2,0	
36	2,8	2,3	2,1	2,7	2,3	2,1	2,6	2,2	2,0	
38	2,6	2,3	2,0	2,6	2,2	2,0	2,5	2,1	1,9	
40	2,5	2,2	2,0	2,5	2,1	1,9	2,4	2,1	1,9	
42	2,4	2,1	1,9	2,4	2,0	1,9	2,3	2,0	1,8	
44	2,3	2,0	1,9	2,3	2,0	1,8	2,2	1,9	1,8	
46	2,2	2,0	1,8	2,2	1,9	1,8	2,1	1,9	1,7	
48	2,1	1,9	1,8	2,1	1,9	1,7	2,1	1,8	1,7	
50	2,0	1,8	1,7	2,0	1,8	1,7	2,0	1,7	1,6	
52	2,0	1,8	1,7	2,0	1,8	1,6	1,9	1,7	1,6	
54	1,8	1,7	1,6	1,9	1,7	1,6	1,8	1,7	1,6	
56	1,5	1,7	1,6	1,7	1,7	1,6	1,6	1,6	1,5	
58	1,3	1,4	1,5	1,4	1,6	1,5	1,5	1,5	1,5	
60	1,1	1,2	1,3	1,2	1,3	1,3	1,5	1,4	1,5	
62	0,8	0,9	1,0	1,0	1,1	1,1	1,3	1,4	1,4	
64					0,9	0,9	1,0	1,1	1,2	
66								0,9	1,0	
Reeving	1									
Hook	9t									



LIFTING CAPACITY TABLES

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear															
Radius (m)	Main boom length 4.9 m, boom angle 30°														
	13.5★	18.05	18.05	18.05	18.05	18.05★	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6★
3.0	27.0														
3.5	26.0														
4.0	25.0	24.0	24.0	24.0	24.0	25.0									
4.5	24.0	23.5	23.5	23.5	23.5	24.5									
5.0	23.0	23.0	23.0	23.0	23.0	24.0	18.0	22.5	23.0	23.5	24.5	24.5	24.5	24.5	
5.5	22.5	22.5	22.5	22.5	22.5	23.5	17.0	22.0	22.5	23.0	24.0	24.0	24.0	24.0	
6.0	22.0	22.0	22.0	22.0	22.0	23.0	16.0	21.5	22.0	22.5	23.5	23.5	23.5	23.5	
7.0	21.0	21.5	21.5	21.5	21.5	22.5	14.5	21.0	21.5	22.0	23.0	23.0	23.0	23.0	
8.0	19.5	21.0	21.0	21.0	21.0	21.5	13.0	20.5	21.0	21.5	22.5	22.5	22.5	22.5	
9.0	19.0	20.0	20.0	20.0	20.0	21.0	12.0	20.0	20.5	21.0	21.5	21.5	21.5	21.5	
10.0	18.0	19.5	19.5	19.5	19.5	20.0	11.0	19.5	20.0	20.5	21.0	21.0	21.0	21.0	
11.0	17.3	19.0	19.0	19.0	19.0	19.0	10.0	19.0	19.5	20.0	20.5	20.5	20.5	20.5	
12.0	16.7	18.5	18.3	18.3	18.5	18.5	9.5	18.0	18.5	19.0	20.0	20.0	20.0	20.0	
14.0		17.5	17.2	17.2	17.2	17.8	8.0	16.0	17.0	17.0	18.5	18.5	18.5	18.5	
16.0							7.0	14.0	16.0	16.0	17.5	17.5	17.5	17.5	
18.0							6.0	12.5	15.0	15.0	17.0	17.0	17.0	17.0	
20.0															
Reeving	4														
Hook	55t	25t													
Telescoping mode	I	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	II	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	III	1	1	1	1	1	1	1	1	1	2	2	2	2	1
	IV	1	1	1	2	1	1	1	1	1	2	2	1	1	1
	V	1	1	2	1	1	1	1	1	2	2	1	1	1	1
	VI	1	2	1	1	1	1	1	3	2	1	1	1	1	1

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear															
Radius (m)	Main boom length 4.9 m, boom angle 30°														
	27.51	27.15	27.15	27.15	27.15	27.15	27.15★	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7★
5.0															
5.5															
6.0	18.0	18.0	22.0	22.5	23.0	24.5									
7.0	16.5	16.5	21.5	22.0	22.5	23.5	15.0	17.5	16.5	22.0	23.0	24.0	24.0	24.0	
8.0	15.5	15.5	21.0	21.5	22.0	23.0	14.0	16.5	15.2	21.5	22.5	23.5	23.5	23.5	
9.0	14.5	14.5	20.5	21.0	21.5	22.5	13.0	15.5	14.2	21.0	22.0	23.0	23.0	23.0	
10.0	13.5	13.5	20.0	20.5	21.0	22.0	12.0	14.5	13.2	20.5	21.5	22.5	22.5	22.5	
11.0	12.5	12.5	19.5	20.0	20.5	21.5	11.2	13.5	12.2	20.0	21.0	22.0	22.0	22.0	
12.0	12.0	12.0	19.0	19.5	20.0	21.0	10.5	12.5	11.2	19.5	20.5	21.5	21.5	21.5	
14.0	10.5	10.5	17.5	18.0	18.5	20.5	9.5	11.5	10.2	18.5	19.5	20.5	20.5	20.5	
16.0	9.5	9.5	16.0	17.0	17.5	19.5	8.5	10.2	8.9	17.5	18.5	20.0	20.0	20.0	
18.0	8.8	8.8	14.6	16.5	17.0	18.5	7.5	9.3	8.0	16.0	17.5	19.0	19.0	19.0	
20.0	7.8	7.8	13.7	16.0	16.5	18.0	7.0	8.5	7.2	14.5	16.5	18.5	18.5	18.5	
22.0	7.0	7.0	12.7	15.0	15.5	17.0	6.3	8.0	6.7	13.5	15.2	17.0	17.0	17.0	
24.0															
26.0															
28.0															
Reeving	3														
Hook	25t														
Telescoping mode	I	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	II	1	1	1	1	1	2	1	1	1	1	2	2	2	2
	III	1	1	1	1	2	2	2	1	1	2	2	2	2	2
	IV	1	1	1	2	2	2	1	1	2	3	2	2	2	2
	V	2	3	2	2	2	1	1	3	3	2	2	2	2	1
	VI	3	2	2	2	1	1	1	3	2	2	2	2	2	1

LIFTING CAPACITY TABLES

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear																
Radius (m)	Tip boom length 4,9 m, boom angle 30°															
	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	40.8★
8.0	15.0	14.0	13.0	15.0	21.0	21.5	23.0									
9.0	14.0	13.0	12.0	14.0	19.0	20.5	22.0	12.0	13.5	15.5	20.0	22.0	22.0	22.0	22.0	22.0
10.0	13.0	12.0	11.0	13.0	17.5	20.0	21.5	11.0	12.5	14.5	19.0	21.0	21.0	21.8	21.8	21.8
11.0	12.0	11.0	10.0	11.0	17.5	20.0	21.5	10.0	11.8	13.5	17.5	20.5	20.5	21.5	21.5	21.5
12.0	11.0	10.5	9.0	10.5	16.5	19.0	21.0	9.5	11.0	12.5	16.5	20.0	21.0	21.0	21.0	21.0
14.0	10.0	9.0	8.0	9.0	14.0	18.0	20.5	8.5	9.8	11.5	14.5	18.5	20.0	20.0	20.0	20.0
16.0	9.0	8.2	7.4	8.2	12.5	17.5	19.5	7.5	8.6	10.2	12.5	16.4	19.0	19.0	19.0	19.0
18.0	8.4	7.4	6.7	7.4	11.5	17.0	19.0	6.7	7.8	9.0	11.5	14.5	18.0	18.0	18.0	18.0
20.0	7.7	6.7	6.0	6.7	10.0	16.0	16.5	6.0	7.0	8.5	10.3	13.0	16.6	16.6	16.6	16.6
22.0	7.0	6.0	5.5	6.0	9.0	15.0	13.5	5.5	6.5	7.5	9.2	11.7	15.5	15.5	15.5	15.5
24.0	6.5	5.5	5.0	5.5	8.0	13.0	12.5	5.0	6.0	7.0	8.2	10.6	13.2	13.2	13.2	13.2
26.0	5.8	5.0	4.5	5.0	7.5	11.0	11.0	4.5	5.3	6.6	7.5	9.8	11.5	11.5	11.5	11.5
28.0	5.4	4.5	4.0	4.5	7.0	10.0	9.5	4.0	4.9	6.0	7.0	8.8	9.6	9.6	9.6	9.6
30.0	5.0	4.2	3.8	4.2	6.5	9.0	8.5	3.6	4.4	5.6	6.5	8.0	8.3	8.3	8.3	8.3
32.0																
34.0																
36.0																
Reeving																
Hook																
Telescoping mode	I	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
	II	1	1	1	1	2	2	1	1	1	2	3	2	3	2	2
	III	1	1	2	3	2	2	1	2	3	3	2	2	2	2	2
	IV	2	3	3	3	2	2	3	3	3	2	2	2	2	2	2
	V	3	3	3	2	2	2	3	3	2	2	2	2	2	2	2
	VI	3	2	2	2	2	1	3	2	2	2	2	2	2	2	2

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear																
Radius (m)	Tip boom length 4,9 m, boom angle 30°															
	45.35	45.35	45.35	45.35	45.35	45.35	45.35	45.35	45.35	45.35	45.35	45.35	45.35	45.35	45.35	49.9★
10.0	12.0	13.0	15.0	20.0	21.5	21.5										
11.0	11.0	12.0	14.0	19.0	21.0	21.0										
12.0	10.0	11.0	13.0	17.0	20.5	20.5	11.0	12.0	14.0	18.0	19.5	19.5	19.5	19.5	19.5	19.5
14.0	8.6	9.6	12.0	15.0	19.5	19.5	9.8	11.0	13.0	16.0	18.5	18.5	18.5	18.5	18.5	18.5
16.0	7.8	8.8	11.0	13.5	17.2	18.0	8.8	10.0	12.0	14.5	17.5	17.5	17.5	17.5	17.5	17.5
18.0	6.8	7.8	10.0	12.0	15.5	17.0	8.0	9.0	11.0	13.0	15.5	15.5	15.5	15.5	15.5	15.5
20.0	5.8	6.8	9.0	11.0	14.0	15.2	7.0	8.5	10.0	12.0	14.0	14.0	14.0	14.0	14.0	14.0
22.0	5.4	6.4	8.0	10.0	12.8	14.0	6.5	7.5	9.0	10.5	12.5	12.5	12.5	12.5	12.5	12.5
24.0	5.0	6.0	7.5	9.0	11.0	11.0	5.8	7.0	8.5	9.5	11.5	11.5	11.5	11.5	11.5	11.5
26.0	4.5	5.5	6.8	8.0	10.0	10.0	5.3	6.5	7.7	9.0	10.5	10.5	10.5	10.5	10.5	10.5
28.0	4.0	5.0	6.0	7.5	9.5	9.8	4.8	6.0	7.0	8.5	9.5	9.5	9.5	9.5	9.5	9.5
30.0	3.7	4.7	5.5	7.0	7.5	8.5	4.4	5.5	6.2	7.8	8.3	8.3	8.3	8.3	8.3	8.3
32.0	3.4	4.4	5.0	6.5	7.0	7.5	4.0	5.0	5.9	7.0	7.2	7.2	7.2	7.2	7.2	7.2
34.0	3.1	4.0	4.7	6.0	6.5	6.5	3.6	4.6	5.5	6.0	6.4	6.4	6.4	6.4	6.4	6.4
36.0	2.9	3.7	4.4	5.7	5.6	5.6	3.3	4.2	5.0	5.6	5.7	5.7	5.7	5.7	5.7	5.7
38.0	2.7	3.4	4.1	5.2	4.8	4.8	3.0	3.8	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0
40.0																
42.0																
Reeving																
Hook																
Telescoping mode	I	1	1	1	1	2	3	1	1	1	2	2	2	2	2	3
	II	1	1	2	3	3	2	1	2	3	3	3	3	3	3	3
	III	2	3	3	3	2	2	3	3	3	3	3	3	3	3	2
	IV	3	3	3	2	2	2	3	3	3	3	3	3	3	3	2
	V	3	3	2	2	2	2	3	3	3	3	3	3	3	3	2
	VI	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2

LIFTING CAPACITY TABLES

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear													
Radius (m)	Tip boom length 4,9 m, boom angle 30°												
	54,45	54,45	54,45	54,45★	59	59	59★	63,55	63,55★	68,1★	73★		
14.0	10.0	11.5	13.5	16.0									
16.0	9.0	10.5	12.5	14.5	10.0	11.0	12.0						
18.0	8.3	9.5	11.5	13.5	9.0	10.0	11.5	9.0	10.0	8.0			
20.0	7.5	9.0	10.5	12.0	8.0	9.0	11.0	8.0	9.0	7.6	6.0		
22.0	6.7	8.0	9.5	11.0	7.5	8.5	10.0	7.5	8.5	7.3	6.0		
24.0	6.3	7.5	9.0	10.5	7.0	8.0	9.0	7.0	8.0	7.0	6.0		
26.0	5.9	6.7	8.2	9.5	6.5	7.5	8.5	6.8	7.5	6.5	6.0		
28.0	5.4	6.0	7.5	9.0	6.0	7.0	8.0	6.4	7.0	5.8	5.5		
30.0	5.0	5.7	7.0	8.3	5.4	6.5	7.5	5.8	6.8	5.4	5.1		
32.0	4.5	5.4	6.4	7.5	5.0	6.0	7.0	5.4	6.0	5.1	4.8		
34.0	4.1	5.1	6.0	6.5	4.5	5.5	6.5	5.0	5.7	4.8	4.5		
36.0	3.8	4.7	5.5	5.6	4.2	5.2	5.8	4.6	5.4	4.5	4.2		
38.0	3.5	4.2	5.0	5.0	3.9	4.7	5.2	4.3	5.0	4.2	3.9		
40.0	3.2	3.8	4.5	4.5	3.6	4.4	4.6	4.0	4.5	4.0	3.7		
42.0	3.0	3.4	4.0	3.9	3.3	4.0	4.0	3.7	4.0	3.7	3.4		
44.0	2.7	3.1	3.5	3.3	3.0	3.6	3.6	3.4	3.8	3.4	3.1		
46.0	2.4	2.8	3.0	2.8	2.8	3.2	3.1	3.1	3.3	3.2	2.9		
48.0					2.5	3.0	2.6	2.8	2.8	3.0	2.7		
50.0					2.3	2.6	2.2	2.6	2.5	2.8	2.8		
52.0								2.3	2.1	2.4	2.4		
54.0								2.0	1.8	2.1	2.1		
56.0										1.7	1.7		
58.0										1.5	1.5		
60.0											0.9		
Reeving	2												
Hook	25t												
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	
	II	2	3	3	3	3	3	3	3	3	3	4	
	III	3	3	3	3	3	3	3	3	3	3	4	
	IV	3	3	3	2	3	3	3	3	3	3	4	
	V	3	3	2	2	3	3	2	3	3	3	4	
	VI	3	2	2	2	3	2	3	2	3	3	4	

TECHNICAL SPECIFICATIONS



Crane Superstructure

Main boom	7 section oval-shaped single cylinder pinning telescoping boom, made of high-tensile steel plate (1100MPa). Main boom length: 13.5–73.0m.
Jib	Two section standard jibs, 10.4m, 17.5m, offset 0°, 15°, 30°. Jib connector can work individually as tip boom. Optional jib extension 8m can be chosen. 2 sections jib extensions can be equipped with standard jibs; total jib length reaches 33.5m.
Slewing gear	Dual slewing gears with hydraulic fixed displacement motor, planetary reducer and slewing bearing. Free slewing function and cushion valve enables smooth slewing operation.
Hoisting gear	Main winch and auxiliary winch can either operate separately, or work simultaneously. Main winch various displacement motor, while auxiliary winch uses fixed displacement motor. Wire rope diameter 20mm. Auxiliary winch and wire ropes are optional.
Hydraulic system	Electronic and hydraulic proportional control system with better micro-position movement and compound movements. Hydraulic tank 1200 liters.
Electrical system	DC 24V, modular design, CAN BUS technology, 10.4 inch big display and LMI system can monitor the crane status.
Engine	WEICHAI WP6G210E330, max. output power 154kW / 2200r/min, max. torque 900Nm / 1200r/min - 1800r/min
Operator's cab	New cab with spacious room and man-machine friendly layout offers a comfortable operating experience. AC and heater. Can be tiltable up to 20°.
Safety devices	LMI, limit switch, relief valve, emergency stop button etc.
Counterweight	Total 45T counterweight ballasting system can be self-assemble or disassembled without extra assistant crane. Counterweight combinations: 0T, 10T, 24T, 32T and 45T.
Lubrication	Automobile lubrication system for major movement.



Crane Carrier

Chassis frame	Made by ZOOMLION with high-tensile steel plate.
Outtrigger	2 stage H-type outriggers, made of high-tensile steel plate(960 MPa), outtrigger spread 7.8m(W)* 8.05m(L).
Engine	WEICHAI WP12.460E50 diesel engine, max. output power 338kw/1900r/min, max. torque 2110 N.m / 1000-1400 r/min. Fuel tank 400 liters.
Transmission	FAST 12JZSD220A mechanical auto transmissions, 12 forward shifts and 2 reverse shifts.
Axles	ZOOMLION / HANDE 12T axles, driving 10x6.
Suspension	Front axles hydraulic-pneumatic suspension, rear axles steel leaf spring suspension.
Steering	Steering mechanism with relief valve, reliable and safe.
Brake	Service brake, parking brake, engine auxiliary brake.
Tires	Tire size: 385 / 95R25
Driver's cab	Modern and luxury driver's cab with man-machine friendly layout offers a comfortable operating experience. AC and heater.

MAIN TECHNICAL PARAMETERS

Item		Value	Remarks
Working performance	Max. rated lifting capacity	150000	At 3m radius
	Max. load moment of basic boom	4704	At 6m radius
	Max. load moment of main boom (fully extended)	1865	
	Max. lifting height of basic boom	13.5	
	Max. lifting height of main boom	73.2	
	Max. lifting height of jib	86.5/ (102.5)	The parameters do not include deflection of main boom and jib.
Working speeds	Max. hoist rope speed (Main winch)	135	At the 5 th layer
	Max. hoist rope speed (Auxiliary winch)	120	At the 3 rd layer
	Boom derricking up time	65	
	Boom extending time	630	
	Max. slewing speed	1.5	
	Max. height above sea level	2000	
Driving	Max. driving speed	80	
	Max. gradeability	45	
	Min. turning diameter	23	
	Min. ground clearance	380	
	Limits for exhaust pollutants and smoke	Conform to related standards	GB3847-2005 GB17691-2005(National Stage V)
	Fuel consumption per hundred kilometers	65	
Mass	Deadweight in driving condition	54900	Driving conditions: without hooks, CWTs, jibs, tip boom, main winch and auxiliary winch, flexible outriggers, rooster sheave
	Complete vehicle kerb mass	54705	
	Load on axles 1, 2	10980/10980	
	Load on axles 3, 4 and 5	10980/10980/10980	
	Overall dimensions (L × W × H)	15490×3000×4000	
	Outrigger spread (L)	8.05	
Dimension	Outrigger spread (W)	7.8 (fully extended), 5.3 (intermediately extended)	
	Main boom length	13.5~73.0	
	Boom angle	-0.5~82	
	Jib length	10.4, 17.5	
	Jib + extension length	25.5, 33.5	Optional
	Offset	0, 15, 30	

ZOOMLION

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