

WITH **GREAT POWER**
COMES **GREAT RESPONSIBILITY**
强者承担重任

ZTC1300VS763-1

ZOOMLION TRUCK CRANE

中联重科汽车起重机

ZTC1300VS763-1 Bn20241224



ZOOMLION

PROD
4.0A

TRUCK CRANE

PROD 4.0A ZTC1300VS763-1

U-shaped main arm

70.0m

fully weighted

37t

Max. lifting height

97.8m



Outstanding lifting performance

- 1、 7 sections of 70m " U " section main boom, standard 17.5m jib, optional 9.5m extension boom, maximum lifting height 97.8m;
- 2、 Maximum lifting moment of the basic boom is 3763kN.m, maximum lifting moment of the longest boom is 2140kN.m, and maximum lifting load of the fully extended boom is 9.5t;
- 3、 H-type outrigger span 8.4×6.71m, standard 37t counterweight, counterweight can be self loading and unloading.



Superior chassis performance

- 1、 Class G vehicle, 430 hp high-torque engine + 10-speed synchronized transmission, maximum speed 89 km/h, maximum gradient 46%;
- 2、 3m wide chassis, traveling lateral stability is better;
- 3、 front axle 385/95R25 + rear axle 325/95R24 + front axle heavy-duty leaf spring suspension + rear axle heavy-duty rubber suspension, can take 26 tons of counterweight short-distance transit;
- 4、 dual-channel steering + flexible shaft power shift, better operating comfort.



Safe and smooth lifting

- 1、 a new generation of electro-hydraulic proportional control system, efficient, reliable, stable control. Slewing minimum stabilization speed 0.1 ° / s, to meet the demand for precise lifting operations;
- 2、 the whole machine independent radiator system, the hydraulic system temperature does not exceed 75 , strong environmental adaptability.
- 3、 Double-level H-type outriggers, the industry's largest span of 8.4m, better load stability.
- 4、 Double slewing drive system, stronger carrying capacity, more stable slewing.
- 5、 Quick-change multiplier bag-type rope head + high-strength anti-twisting rope, higher lifting efficiency, more secure.



Software upgrades, smart connectivity

- 1、 Working condition recommendation function, according to the input of the key lifting parameters to quickly obtain suitable working conditions, reduce the risk of lifting;
- 2、 Automatic identification of collecting and displaying vehicles, realizing the reminder of disassembling and assembling working conditions and safety control, reducing the intensity of operation;
- 3、 Remaining amplitude indicates the range of safety amplitude of the current lifting weight, which makes the operation safer;
- 4、 Variable amplitude plane virtual wall, according to the input limit height intelligent reminder "height wall" , low space operation more worry;
- 5、 IoT technology connects with mobile APP Zoomlion E-Manager, which real-time grasps the working condition of the equipments, work situation and maintenance reminder, and makes the management of the equipments intelligent and convenient;

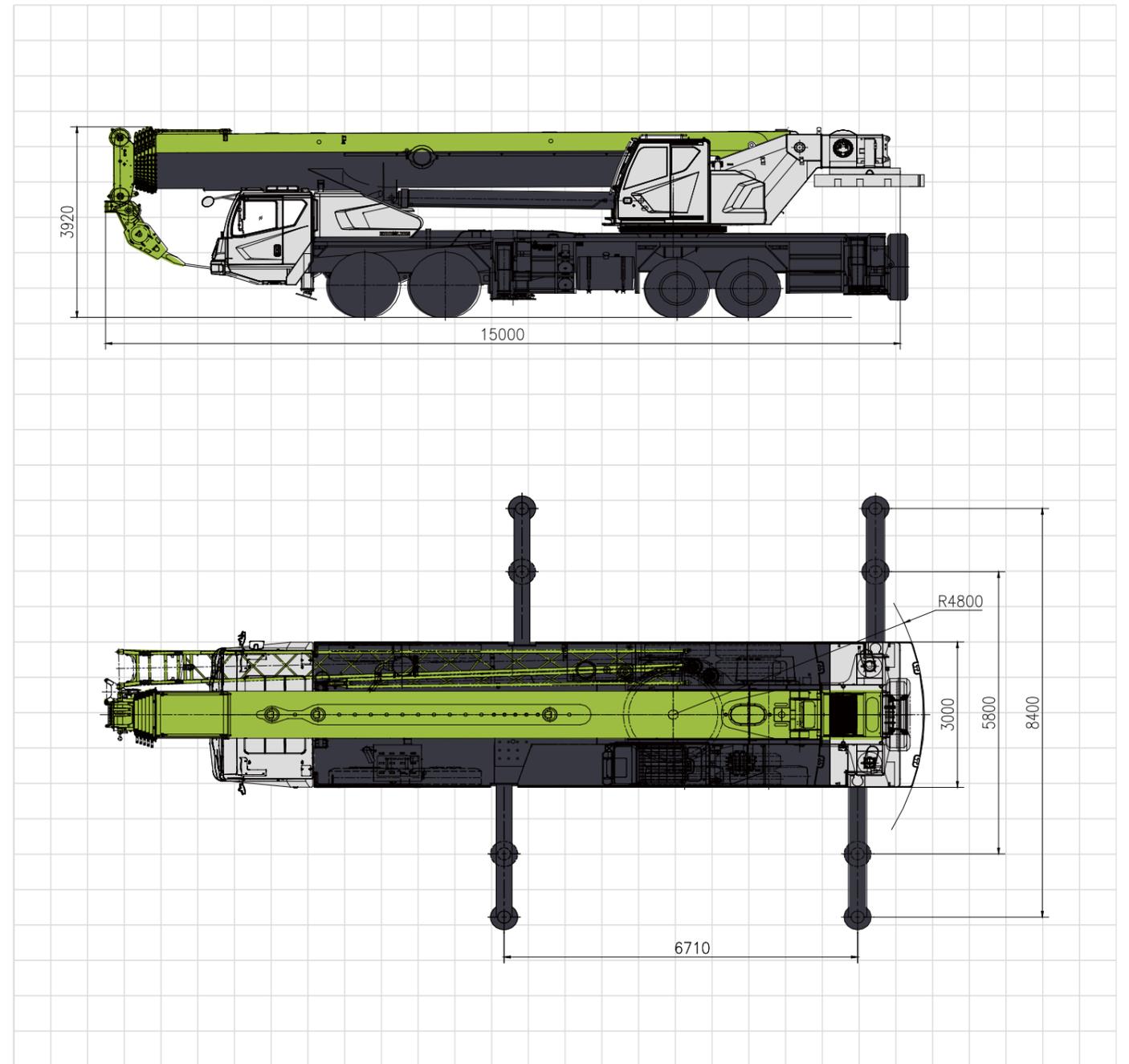


High-end comfort

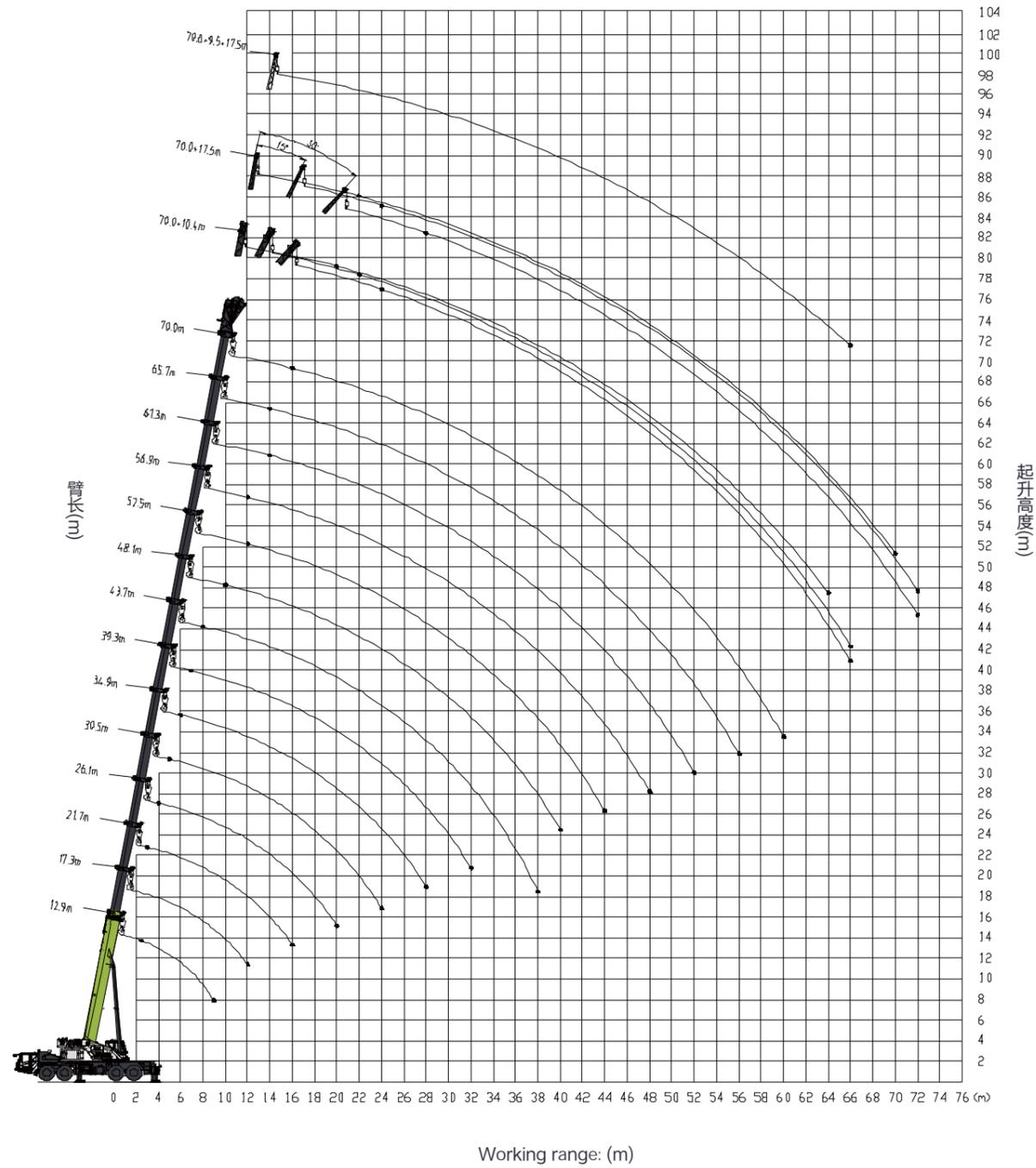
- 1、 green environmental protection fashion texture of the new coating, force and beauty of the combination of strong visual enjoyment;
- 2、 4.0A new two-chamber design style, large space internal arrangement, humanized detail design, comfortable and intimate driving experience, convenient and safe operation experience;
- 3、 full-coverage aluminum alloy walking board, strong sense of quality, corrosion resistance;
- 4、 The maneuvering room is equipped with 10.1-inch touch screen computer as standard, integrated winch monitoring function, and the function is upgraded again;
- 5、 The cab is equipped with 9-inch center control screen car system as standard, integrated reverse and entertainment functions, the function is upgraded again.



event		value	Remarks	
Performance Parameters	Maximum rated gross lifting capacity	Kg	130000	
	Max. lifting moment of basic boom	kN · m	3763	
	Max. lifting moment of the longest boom	kN · m	2140	
	Max. lifting height of basic boom	m	14.5	
	Max. lifting height of the longest boom	m	70.7	
	Max. lifting height of jib	m	88.4	
	Max. lifting height of jib+extension boom	m	97.8	
	Max. speed of single rope (main winch)	m/min	120	Reel 4
	Max. speed of single rope (jib winch)	m/min	120	Reel 4
	Boom lifting time	s	70	
	Boom extension time	s	600	
	Slewing speed	r/min	1.7	
	Driving parameters	Max. travel speed	km/h	89
Maximum Climbing Degree		%	46	
Minimum Turning Diameter		m	24	
Minimum Ground Clearance		mm	325	
Fuel consumption 100km		L	45	
Approach/Departure Angle		°	18/12	
Braking distance		m	≤10	
Quality parameters	Traveling weight (Gross mass)	kg	50000	
	Vehicle mass	kg	49870	
	Front axle load	kg	24000	
	Rear axle load	kg	26000	
Dimensional parameters	Dimension(LxWxH)	mm	15000 × 3000 × 3920	
	Longitudinal distance of outrigger	m	6.71	
	Outrigger transverse distance	m	Full extension 8.4, half extension 5.8	
	Main arm length	m	12.9~70.0	
	Elevation angle of main arm	°	-2~80	
	Jib length	m	10.4、17.5	
	Jib mounting angle	°	0、15、30	
Chassis engine	Maximum turning radius of rotary table tail	mm	4800	
	Model		YCK11430-60	
	Rated power	kW/r/min	316/1900	
	Maximum torque	N.m/r/min	2079 (1100~1500)	
	Manufacturer		Guangxi Yuchai Machinery Co.	



Dimensions in millimeters



working range (m)	Main arm (m)												
	Outrigger full extension 8.4m, 37t counterweight, hit the fifth outrigger, the value in the table applies to 360° all-around operation, without hitting the fifth outrigger, forbidden to work in front.												
	12.9	17.3	17.3	17.3	17.3	17.3	21.7	21.7	21.7	21.7	21.7	21.7	
2.5	130.0*												
3.0	102.0	39.5	54.0	78.0	82.0	82.0	28.0	40.0	55.0	70.0	72.0	72.0	
3.5	92.0	37.0	52.0	76.0	77.0	77.0	26.5	38.0	54.0	64.0	68.0	68.0	
4.0	82.5	35.8	50.0	74.0	75.0	75.0	25.2	36.0	52.0	60.0	67.0	67.0	
4.5	76.0	33.0	47.5	70.0	71.0	72.0	23.7	34.0	50.0	58.0	66.0	66.0	
5.0	72.0	31.5	44.5	66.0	68.0	69.0	22.7	31.5	47.0	54.0	65.0	65.0	
6.0	64.0	29.0	39.5	58.5	61.0	62.0	20.6	28.2	42.3	48.0	56.0	57.5	
7.0	54.5	27.0	35.0	51.5	52.0	53.0	18.6	25.5	38.0	43.2	51.5	53.0	
8.0	47.0	25.0	32.0	47.5	47.5	47.0	17.1	23.4	35.0	39.6	47.0	47.0	
9.0	39.5	23.6	29.5	42.5	42.0	41.5	15.7	21.2	32.1	36.8	41.0	41.0	
10.0		22.3	27.0	39.0	37.5	37.0	14.6	19.7	29.5	33.5	36.5	36.0	
11.0		21.0	25.0	35.0	33.5	32.5	13.7	18.2	27.4	31.0	33.5	32.0	
12.0		19.8	23.4	33.0	31.0	29.2	12.8	17.0	25.5	29.0	30.5	29.0	
14.0							11.4	15.0	22.3	25.5	25.5	24.5	
16.0							10.3	13.2	20.0	22.5	21.8	21.0	
18.0													
20.0													
22.0													
Expansion mode	111111	111112	111121	111211	112111	121111	111113	111122	111221	112211	122111	221111	

working range (m)	Main arm(m)											
	Outrigger full extension 8.4m, 37t counterweight, hit the fifth outrigger, the value in the table applies to 360° omni-directional operation, do not hit the fifth outrigger, forbidden to work in front.											
	26.1	26.1	26.1	26.1	26.1	26.1	30.5	30.5	30.5	30.5	30.5	30.5
3.0												
3.5												
4.0	21.8	21.5	39.0	52.0	62.0	62.0						
4.5	20.5	20.0	37.0	50.0	60.5	60.5						
5.0	19.3	19.0	35.0	47.0	59.0	59.0	16.5	20.5	25.0	38.0	52.0	56.0
6.0	17.5	17.0	31.5	41.5	55.0	54.0	15.0	18.9	22.7	34.5	48.0	52.0
7.0	15.8	15.5	28.6	37.8	49.5	49.0	13.7	17.5	20.8	31.6	44.0	49.0
8.0	14.5	14.1	26.3	34.5	47.5	46.0	12.4	15.8	19.0	29.0	40.0	45.0
9.0	13.2	13.0	24.0	31.5	41.5	41.0	11.4	14.6	17.3	27.0	36.5	41.0
10.0	12.1	12.0	22.3	28.8	37.0	36.0	10.5	13.5	16.0	25.0	34.0	36.5
11.0	11.3	11.2	20.8	26.8	33.0	32.0	9.8	12.7	14.8	23.5	31.5	32.5
12.0	10.5	10.4	19.5	25.0	30.5	29.0	9.0	11.9	13.7	22.2	29.0	30.0
14.0	9.4	9.3	17.5	21.8	26.5	25.0	7.9	10.5	12.0	19.5	25.6	25.0
16.0	8.3	8.2	15.6	19.2	22.8	21.2	7.0	9.4	10.7	17.5	22.8	22.0
18.0	7.5	7.4	14.0	17.5	18.8	17.5	6.3	8.5	9.7	15.9	19.5	18.0
20.0	6.8	6.7	13.0	16.0	15.8	14.5	5.7	7.7	8.8	14.4	16.3	15.0
22.0							5.1	7.1	8.0	13.0	14.0	12.7
24.0							4.7	6.6	7.3	12.0	12.0	10.8
26.0												
28.0												
Expansion mode	111123	111132	111222	112221	122211	222111	111133	111232	111322	112222	122221	222211

working range (m)	Main arm(m)											
	Outrigger full extension 8.4m, 37t counterweight, hit the fifth outrigger, the value in the table applies to 360° omni-directional operation, do not hit the fifth outrigger, forbidden to work in front.											
	34.9	34.9	34.9	34.9	34.9	34.9	34.9	39.3	39.3	39.3	39.3	39.3
4.5												
5.0												
6.0	17.4	21.5	24.4	24.5	39.0	44.0						
7.0	15.8	19.5	22.2	22.3	36.0	43.0	16.9	20.6	20.5	24.8	35.5	38.0
8.0	14.5	17.7	20.2	20.3	33.0	41.0	15.5	18.7	18.7	22.7	33.5	36.0
9.0	13.3	16.2	18.5	18.6	30.8	38.0	14.4	17.2	17.1	21.0	30.8	33.7
10.0	12.3	15.0	17.0	17.1	28.5	35.0	13.4	15.9	15.7	19.3	28.5	31.6
11.0	11.5	13.9	15.7	15.8	26.7	32.0	12.5	14.7	14.5	18.0	26.5	29.5
12.0	10.8	12.9	14.6	14.7	25.0	30.0	11.7	13.7	13.4	16.7	24.6	28.2
14.0	9.5	11.3	12.7	12.8	22.5	25.0	10.4	12.0	11.8	14.7	21.5	25.4
16.0	8.5	10.0	11.2	11.3	20.5	22.0	9.3	10.6	10.3	13.1	19.1	23.0
18.0	7.6	9.0	10.0	10.1	18.5	18.9	8.4	9.5	9.2	11.7	17.2	19.6
20.0	6.9	8.1	9.0	9.1	16.6	15.9	7.5	8.5	8.3	10.6	15.3	16.6
22.0	6.3	7.4	8.2	8.2	14.5	13.4	6.9	7.7	7.4	9.6	14.0	14.4
24.0	5.8	6.7	7.5	7.5	12.7	11.5	6.3	7.0	6.8	8.8	12.6	12.4
26.0	5.3	6.1	6.9	6.9	11.1	10.0	5.7	6.4	6.2	8.1	11.0	10.6
28.0	5.0	5.6	6.3	6.3	9.7	8.6	5.3	5.9	5.6	7.5	9.6	9.3
30.0							4.9	5.4	5.2	7.0	8.5	8.3
32.0							4.6	5.0	4.7	6.5	7.5	7.3
34.0												
36.0												
Expansion mode	111233	111332	112322	113222	122222	222221	111333	112332	113322	123222	132222	222222

working range (m)	Main arm(m)										
	Outrigger full extension 8.4m, 37t counterweight, hit the fifth outrigger, the value in the table applies to 360° omni-directional operation, do not hit the fifth outrigger, forbidden to work in front.										
	43.7	43.7	43.7	43.7	43.7	43.7	48.1	48.1	48.1	48.1	48.1
6.0											
7.0											
8.0	15.5	17.6	20.5	24.6	33.0	33.0					
9.0	14.5	16.1	19.0	23.0	31.0	31.5					
10.0	13.6	14.8	17.5	21.3	29.5	30.0	14.1	16.3	19.2	22.8	27.5
11.0	12.7	13.7	16.2	20.0	27.6	28.0	13.1	15.2	18.0	21.5	26.0
12.0	12.0	12.7	15.2	18.7	26.0	26.5	12.2	14.2	16.8	20.3	24.7
14.0	10.5	11.1	13.3	16.5	22.8	23.5	10.7	12.5	14.9	18.0	22.0
16.0	9.7	9.8	11.8	14.8	20.2	20.5	9.5	11.0	13.2	16.3	19.5
18.0	8.7	8.7	10.5	13.3	18.1	18.8	8.4	9.8	12.0	14.8	17.5
20.0	8.0	7.8	9.6	12.1	16.0	15.8	7.5	8.9	10.9	13.5	15.6
22.0	7.3	7.0	8.7	11.1	13.7	13.5	6.8	8.0	9.8	12.3	13.4
24.0	6.7	6.4	7.8	10.1	11.8	11.6	6.2	7.4	9.0	11.4	11.5
26.0	6.1	5.8	7.2	9.4	10.3	10.0	5.7	6.7	8.3	10.5	9.9
28.0	5.6	5.3	6.6	8.7	9.0	8.7	5.2	6.2	7.7	9.3	8.6
30.0	5.2	4.8	6.0	8.1	7.9	7.5	4.7	5.7	7.1	8.0	7.5
32.0	4.7	4.4	5.6	7.5	7.0	6.6	4.4	5.2	6.6	7.0	6.5
34.0	4.5	4.1	5.2	6.7	6.1	5.7	4.0	4.9	6.1	6.1	5.7
36.0	4.1	3.8	4.8	5.8	5.3	5.0	3.7	4.5	5.6	5.4	5.0
38.0	3.7	3.5	4.5	5.2	4.6	4.3	3.4	4.2	5.2	4.8	4.3
40.0							3.2	3.9	4.8	4.2	3.8
42.0											
44.0											
Expansion mode	112333	113332	123322	133222	232222	322222	113333	123332	133322	233222	332222

working range (m)	Main arm(m)										
	Outrigger full extension 8.4m, 37t counterweight, hit the fifth outrigger, the value in the table applies to 360° omni-directional operation, do not hit the fifth outrigger, forbidden to work in front.										
	52.5	52.5	52.5	52.5	56.9	56.9	56.9	61.3	61.3	65.7	70.0
12.0	13.5	15.5	18.0	21.2	14.2	16.2	18.5				
14.0	11.9	13.7	16.0	19.1	12.8	14.6	16.8	13.2	14.7	11.5	
16.0	10.6	12.3	14.5	17.3	11.5	13.3	15.3	12.2	13.8	11.3	9.5
18.0	9.5	11.0	13.1	15.7	10.4	12.1	14.0	11.2	12.7	11.1	9.4
20.0	8.6	10.0	12.0	14.3	9.5	10.9	12.8	10.2	11.7	10.7	9.2
22.0	7.8	9.2	11.0	12.8	8.7	10.0	12.1	9.4	10.6	10.0	9.0
24.0	7.1	8.4	10.1	11.6	7.9	9.2	11.0	8.7	9.9	9.2	8.8
26.0	6.5	7.7	9.3	10.0	7.3	8.5	10.2	8.0	9.3	8.6	8.3
28.0	6.0	7.1	8.6	8.7	6.7	7.9	9.0	7.4	8.5	8.0	7.8
30.0	5.5	6.5	8.0	7.6	6.2	7.3	7.9	6.9	8.0	7.4	7.2
32.0	5.0	6.0	7.3	6.7	5.7	6.8	6.9	6.4	7.2	7.0	6.7
34.0	4.7	5.6	6.4	5.8	5.4	6.3	6.0	5.9	6.4	6.5	6.3
36.0	4.4	5.2	5.7	5.0	5.0	5.9	5.3	5.6	5.7	6.0	5.9
38.0	4.1	4.9	5.0	4.4	4.7	5.5	4.7	5.2	5.0	5.3	5.3
40.0	3.8	4.6	4.4	3.9	4.4	4.7	4.1	4.9	4.4	4.7	4.8
42.0	3.6	4.3	3.9	3.4	4.1	4.2	3.6	4.6	3.9	4.2	4.3
44.0	3.3	4.0	3.4	2.9	3.8	3.8	3.1	4.3	3.4	3.8	3.9
46.0					3.6	3.3	2.7	3.7	3.0	3.4	3.4
48.0					3.4	2.9	2.3	3.3	2.6	3.0	3.0
50.0								2.9	2.3	2.6	2.6
52.0								2.5	1.9	2.3	2.3
54.0										2.0	2.0
56.0										1.6	1.7
58.0											1.4
60.0											1.0
62.0											
Expansion mode	123333	133332	233322	333222	133333	233332	333322	233333	333332	333333	444444

working range (m)	Main arm (m) + jib (m)											
	Outrigger full extension 8.4m, 37t counterweight, hit the fifth outrigger, the value in the table applies to 360° omni-directional operation, do not hit the fifth outrigger, forbidden to work in front.											
	65.7+10.4			65.7+17.5			70.0+10.4			70.0+17.5		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
18.0	7.00											
20.0	6.80	6.20		4.20			6.10					
22.0	6.50	5.80	5.40	4.00	3.10		5.90	5.70		3.80		
24.0	6.10	5.60	5.20	3.80	3.00		5.60	5.40	5.20	3.60	3.00	
26.0	5.80	5.20	5.00	3.60	2.90	2.50	5.30	5.00	4.90	3.40	2.90	
28.0	5.50	4.90	4.80	3.40	2.80	2.45	5.10	4.80	4.60	3.20	2.80	2.40
30.0	5.20	4.70	4.50	3.30	2.70	2.40	4.90	4.60	4.30	3.00	2.70	2.35
32.0	5.10	4.35	4.20	3.10	2.60	2.35	4.70	4.30	4.10	2.90	2.60	2.25
34.0	4.80	4.40	3.90	2.95	2.50	2.30	4.45	4.00	3.90	2.80	2.50	2.15
36.0	4.50	4.10	3.70	2.80	2.40	2.20	4.25	3.80	3.70	2.70	2.40	2.10
38.0	4.20	3.80	3.50	2.70	2.30	2.10	4.00	3.60	3.50	2.60	2.30	2.05
40.0	4.00	3.60	3.30	2.60	2.20	2.05	3.70	3.40	3.30	2.50	2.20	2.00
42.0	3.70	3.45	3.10	2.50	2.10	2.00	3.50	3.20	3.10	2.40	2.10	1.95
44.0	3.50	3.30	2.90	2.40	2.00	1.95	3.20	3.00	2.90	2.30	2.00	1.85
46.0	3.30	3.20	2.75	2.30	1.95	1.90	3.00	2.85	2.70	2.20	1.90	1.80
48.0	3.10	3.00	2.60	2.20	1.90	1.85	2.85	2.70	2.60	2.10	1.85	1.75
50.0	2.80	2.80	2.50	2.10	1.85	1.80	2.70	2.50	2.50	2.00	1.80	1.70
52.0	2.60	2.60	2.40	2.05	1.80	1.75	2.50	2.35	2.30	1.95	1.75	1.65
54.0	2.35	2.35	2.25	2.00	1.75	1.70	2.20	2.20	2.15	1.90	1.70	1.60
56.0	1.95	2.00	2.10	1.90	1.70	1.65	1.90	2.00	2.00	1.80	1.65	1.55
58.0	1.65	1.75	1.80	1.80	1.65	1.60	1.60	1.75	1.80	1.75	1.60	1.50
60.0	1.40	1.45	1.50	1.70	1.60	1.55	1.45	1.50	1.50	1.65	1.50	1.45
62.0	1.15	1.20	1.20	1.60	1.55	1.50	1.10	1.20	1.20	1.60	1.45	1.40
64.0	0.90	1.00	1.00	1.40	1.50	1.45	0.90	1.00	1.00	1.40	1.40	1.35
66.0		0.80	0.80	1.20	1.30	1.30		0.80	0.80	1.20	1.30	1.30
68.0				1.00	1.10	1.10				1.00	1.10	1.10
70.0				0.80	0.95	1.00				0.80	0.90	1.00
72.0					0.80	0.80					0.80	0.80
74.0												
Expansion mode	333333	333333	333333	333333	333333	333333	444444	444444	444444	444444	444444	444444

working range (m)	Main Boom(m) + Extension Boom(m) + Jib(m)						
	Outrigger full extension 8.4m, 37t counterweight, hit the fifth outrigger, the value in the table applies to 360° omni-directional operation, do not hit the fifth outrigger, forbidden to work in front.						
	65.7+9.5	70.0+9.5	65.7+9.5+10.4	65.7+9.5+17.5	70.0+9.5+10.4	70.0+9.5+17.5	
	0°	0°	0°	0°	0°	0°	
18.0	7.20						
20.0	7.00	6.40					
22.0	6.80	5.90					
24.0	6.60	5.80	4.20				
26.0	6.30	5.60	4.00	3.20	3.50		
28.0	6.00	5.50	3.80	3.20	3.50	2.80	
30.0	5.75	5.40	3.60	3.10	3.30	2.70	
32.0	5.60	5.30	3.30	2.90	3.10	2.60	
34.0	5.20	4.90	3.20	2.70	2.90	2.55	
36.0	4.90	4.60	3.10	2.60	2.80	2.40	
38.0	4.60	4.30	2.90	2.55	2.70	2.30	
40.0	4.20	4.00	2.60	2.50	2.50	2.20	
42.0	4.00	3.80	2.40	2.40	2.30	2.10	
44.0	3.70	3.50	2.20	2.25	2.10	2.05	
46.0	3.50	3.30	2.10	2.15	1.90	1.90	
48.0	3.30	3.10	2.00	2.00	1.80	1.80	
50.0	2.90	2.90	1.90	1.90	1.70	1.70	
52.0	2.60	2.50	1.80	1.80	1.60	1.60	
54.0	2.20	2.20	1.70	1.65	1.50	1.50	
56.0	2.00	2.00	1.60	1.50	1.40	1.40	
58.0	1.70	1.70	1.50	1.40	1.30	1.30	
60.0	1.40	1.40	1.40	1.30	1.20	1.20	
62.0	1.10	1.10	1.20	1.20	1.10	1.10	
64.0	0.95	0.95	1.00	1.15	1.00	1.00	
66.0	0.80	0.80		1.10		0.90	
68.0				1.05			
70.0				1.00			
72.0				0.90			
74.0							
Expansion mode	333333	444444	333333	333333	444444	444444	