

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

ZTC1000VS562

BN20241030

ZTC1000VS562

ZOOMLION TRUCK CRANE
中联重科汽车起重机



ZOOMLION

PROD
4.0A

TRUCK CRANE

PROD 4.0A ZTC1000VS562

U-shaped main arm

51m

Standard weights

24t

Maximum lifting capacity
of fully extended arm

16.5t



Excellent lifting performance

- 1、5 sections 51mU-type main boom, standard 24t counterweight when the basic arm maximum lifting moment 3557kN-m. 32t counterweight when the basic arm maximum lifting moment 3739kN-m.
- 2、Maximum main boom full-extension lifting capacity of 16.5t, the maximum lifting height of 51.9m, the overall lifting performance of the competitors ahead of the 7%;
- 3、Main boom+extended boom+two section jib max. lifting capacity 2.8t, max. lifting height 79m;
- 4、standard 24t counterweight, optional 2x4t side, counterweight can be self loading and unloading, there is enough space to carry box type outrigger pads;



Large load-bearing chassis platform

- 1、G class chassis, 430 hp high torque engine + 10-speed synchronized gear pin perfect match, medium and low speed climbing performance and comprehensive acceleration performance is superior;
- 2、Front axle 385/95R25 + rear axle 325/95R24 + front axle heavy-duty leaf spring suspension + rear axle heavy-duty rubber suspension, can be 24t transfer with counterweight, and leave enough space to carry compartment outrigger pads;
- 3、3m wide chassis, traveling lateral stability is better;
- 4、Configuration of 450L large-capacity fuel tank, range increased by 15%;
- 5、dual-channel steering + flexible shaft power shift, better operating comfort;



Safe and smooth lifting

- 1、a new generation of electro-hydraulic proportional control system, slewing the lowest stabilization speed of 0.1° / s, the lowest stabilization speed of 2.5m / min, to meet the demand for precise lifting operations;
- 2、fall amplitude compensation function, fall amplitude control more accurate and smooth;
- 3、Independent radiator system of the whole machine, the temperature of the hydraulic system does not exceed 75, and the environment is adaptable;
- 4、Double-level H-type outriggers, the industry's largest span of 8.4m, better load stability;
- 5、Double slewing drive system, stronger carrying capacity, more stable slewing;



intelligent control

- 1、Automatic identification of collecting and displaying vehicles, realizing the reminder of disassembling and assembling working condition and safety control, reducing the intensity of operation;
- 2、Remaining amplitude indicates the range of safety amplitude of the current lifting weight, which makes the operation safer;
- 3、Variable amplitude plane virtual wall, according to the limit height intelligent reminder “height wall”, low space operation more worry;
- 4、body controller, force limiter, intelligent power module, sensor real-time monitoring of the crane status, intelligent diagnostic system failure visualization, quickly locate the fault point;
- 5、working conditions recommended function, according to the input of the key lifting parameters to quickly obtain the appropriate working conditions, reduce the risk of lifting;

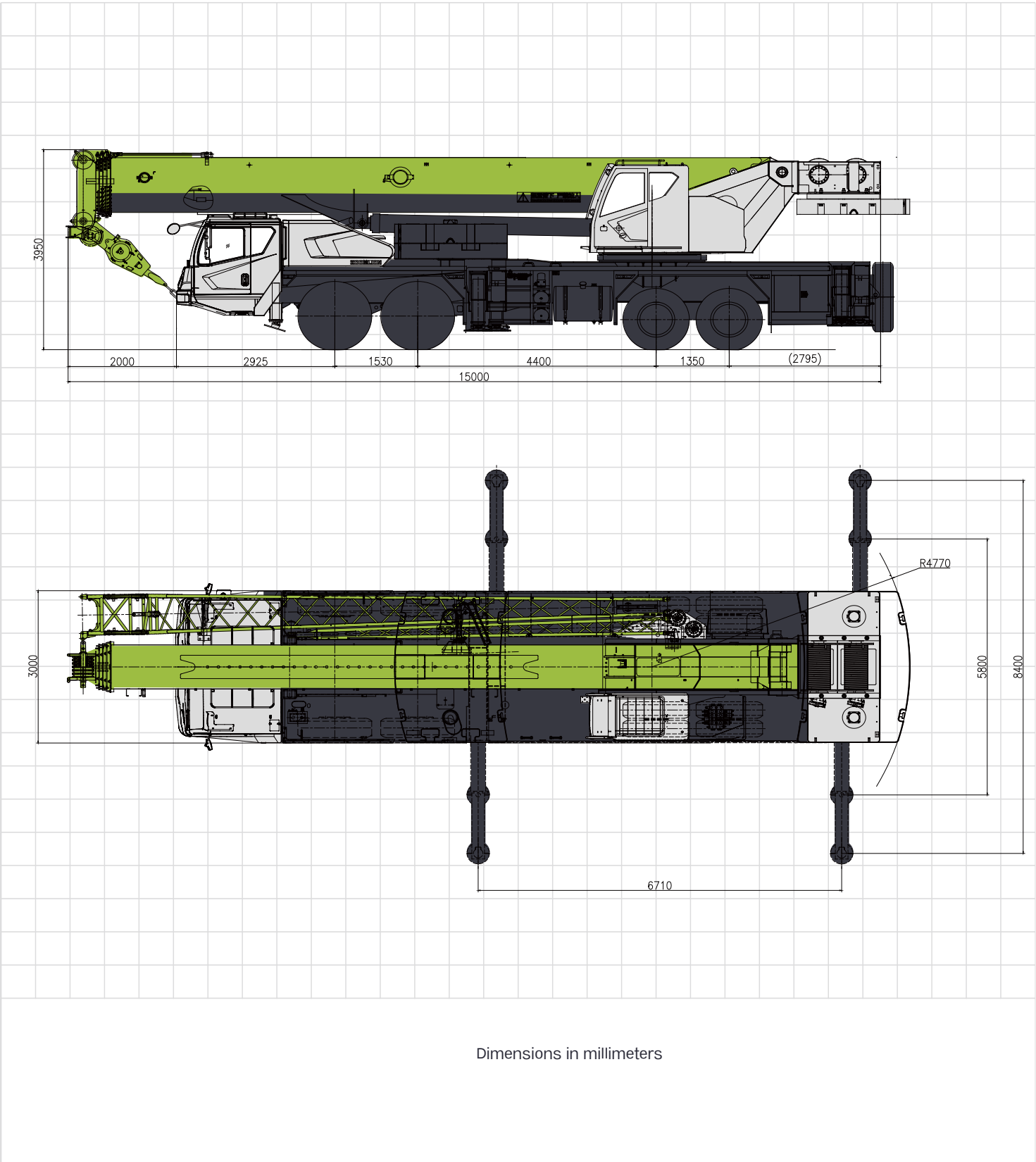


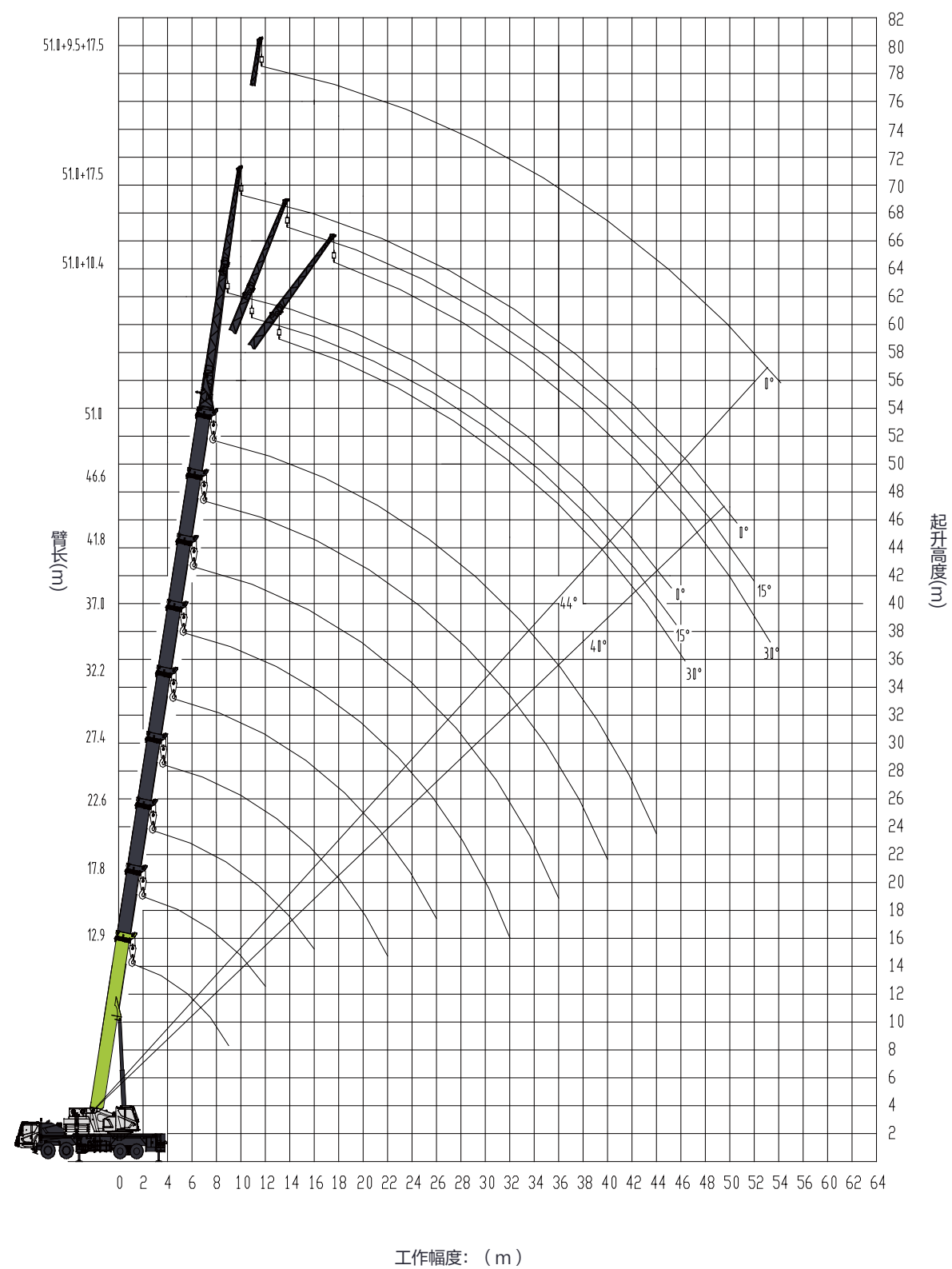
High-end comfort

- 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, integrating reversing and entertainment functions, and the functions are upgraded again;



event		value	Remarks
工作性能参数 Performance Parameters	Maximum rated gross lifting capacity	Kg100000	
	Max. lifting moment of basic boom	kN · m3557	
	Max. lifting moment of the longest boom	kN · m2410	
	Max. lifting height of basic boom	m14.4	
	Max. lifting height of the longest boom	m51.9	Not considering boom deformation
	Max. lifting height of jib	m69.7	
	Max. speed of single rope (main winch)	m/min140	Reel 4
	Max. speed of single rope (jib winch)	m/min140	Reel 4
	Boom lift time	s65	
	Lifting Arm Extension Time	s150	
行驶参数 Driving parameters	Slewing speed	r/min0~1.6	
	Maximum traveling speed	km/h89	
	Maximum gradient	%49	
	Minimum Turning Diameter	m24	
	Minimum Ground Clearance	mm325	
	Exhaust Pollutant Emission Values and Smoke Limits	Compliance with standards	Conforms to GB3847-2018, GB17691-2018 (National VI)
	100km fuel consumption	L42	
质量参数 Quality parameters	Approach/Departure Angle	° m18/12	
	Braking distance	kg≤10	
	Traveling weight (Gross mass)	kg50000	
	Vehicle mass	kg49870	
尺寸参数 Dimensional parameters	Front axle load	kg24000	
	Rear axle axle load	mm26000	
	Dimension(LxWxH)	m15000×3000×3950	
	Longitudinal distance of outrigger	m6.71	
	Outrigger transverse distance	mFull extension8.4、half extension5.8	
	Main arm length	° m12.9~51.0	
	Elevation angle of main arm	°-1~80	
	Jib length	mm10.4、17.5	
	Jib mounting angle	0、15、30	
底盘发动机 Chassis Engine	Rotary radius of rotary table tail	4770	
	Model	YCK11430-60	
	Rated power	kW/r/min316/1900	
	Maximum torque	N.m/r/min1700 (1100~1400)	
	Manufacturer	Guangxi Yuchai Machinery Co.	





Working range 工作幅度 (m)	主 臂 (m) arm (m)								
	Outriggers fully extended, fifth outrigger set, 360° all-round operation, 24t counterweight.								
	12.9	17.8	22.6	27.4	32.2	37.0	41.8	46.6	51.0
3.0	100.0	80.0	56.0						
3.5	80.0	75.0	56.0						
4.0	78.0	70.0	56.0	40.0					
4.5	74.0	69.0	56.0	40.0					
5.0	70.0	66.0	56.0	40.0					
5.5	64.5	61.0	56.0	40.0	38.0				
6.0	60.5	58.0	56.0	40.0	38.0				
7.0	48.5	48.0	48.0	40.0	38.0	36.0			
8.0	42.0	41.5	41.5	40.0	38.0	36.0	28.0		
9.0	36.5	36.0	36.0	36.5	36.0	33.5	27.0	23.0	
10.0		32.0	32.0	32.5	33.0	31.0	25.5	22.0	
11.0		28.5	28.5	29.0	29.5	28.5	24.5	20.8	16.5
12.0		25.6	25.0	26.0	26.5	26.5	23.0	19.7	16.0
14.0			19.8	21.0	21.5	22.0	20.5	17.8	15.0
16.0			15.4	16.6	17.2	17.8	18.3	16.0	14.0
18.0				13.1	13.7	14.5	15.0	14.7	12.5
20.0				10.6	11.2	12.0	12.5	12.8	12.0
22.0				8.8	9.4	10.1	10.5	10.8	11.0
24.0					7.8	8.5	8.9	9.2	9.6
26.0					6.6	7.1	7.5	7.8	8.3
28.0						6.1	6.5	6.8	7.2
30.0						5.2	5.6	5.9	6.2
32.0						4.3	4.7	5.0	5.4
34.0							4.0	4.3	4.7
36.0							3.4	3.7	4.0
38.0								3.2	3.4
40.0								2.7	3.0
42.0									2.6
44.0									2.2
I(m)	0	4.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7
II(m)	0	0	0	4.8	9.6	14.4	19.2	24.0	28.4
magnification	13	12	9	7	6	5	4	4	3
hook	100t	80t	60t						

Jib elevation angle (°)	Main boom (m) + extension boom (m)		Main arm (m) + jib (m)				Main arm + extension arm + jib arm (m)		
	Outriggers fully extended, fifth outrigger set, 360° operation, 24t counterweight								
	46.6+9.5	51.0+9.5	51.0+10.4			51.0+17.5		51.0+9.5+17.5	
	0°	0°	0°	15°	30°	0°	15°	30°	0°
80	9.5	8.0	6.5	5.0	4.2	4.0	2.5	1.8	2.8
78	9.0	7.6	6.5	5.0	4.2	3.9	2.4	1.7	2.7
76	8.5	7.2	6.3	4.8	4.2	3.8	2.3	1.7	2.6
74	8.1	6.8	6.2	4.8	4.2	3.7	2.2	1.7	2.4
72	7.7	6.4	6.0	4.6	4.2	3.6	2.2	1.7	2.2
70	7.3	6.0	5.9	4.6	4.2	3.5	2.1	1.6	2.0
68	7.0	5.7	5.8	4.5	4.2	3.4	2.1	1.6	1.8
66	6.7	5.4	5.7	4.5	4.2	3.3	2.1	1.6	1.7
64	6.4	5.2	5.6	4.4	4.2	3.2	2.0	1.6	1.6
62	6.1	5.1	5.5	4.4	4.2	3.1	2.0	1.5	1.5
60	6.0	5.0	5.1	4.3	4.1	2.9	2.0	1.5	1.4
58	5.8	4.8	4.6	4.2	4.0	2.8	1.9	1.5	1.3
56	5.2	4.4	4.1	3.9	3.8	2.7	1.9	1.5	1.3
54	4.7	3.9	3.7	3.5	3.4	2.6	1.9	1.4	1.2
52	4.3	3.5	3.3	3.1	3.0	2.5	1.8	1.4	1.2
50	3.9	3.2	3.0	2.8	2.7	2.4	1.8	1.4	1.2
48	3.5	2.8	2.7	2.5	2.4	2.3	1.8	1.4	1.1
46	3.2	2.6	2.4	2.3	2.2	2.1	1.7	1.3	1.1
44	2.9	2.3	2.1	2.0	1.9	1.8	1.6	1.3	1.0
42	2.6	2.1	1.9	1.8	1.7	1.6	1.5	1.3	
40	2.4	1.9	1.7	1.6	1.5	1.4	1.3	1.2	
magnification	2	1							
hook	18t	6.5t							

Working range 工作幅度 (m)	主 臂 (m) arm (m)								
	Fully extended outriggers, fifth outrigger, 360° all-round operation, 32t counterweight.								
	12.9	17.8	22.6	27.4	32.2	37.0	41.8	46.6	51.0
3.0	100.0	80.0	56.0						
3.5	80.0	75.0	56.0						
4.0	78.0	70.0	56.0	40.0					
4.5	74.0	69.0	56.0	40.0					
5.0	70.0	66.0	56.0	40.0					
5.5	64.5	61.0	56.0	40.0	38.0				
6.0	60.5	58.0	56.0	40.0	38.0				
7.0	54.5	53.5	48.0	40.0	38.0	36.0			
8.0	47.0	46.0	41.5	40.0	38.0	36.0	28.0		
9.0	40.5	40.0	36.0	36.5	36.0	33.5	27.0	23.0	
10.0		35.0	35.0	32.5	33.0	31.0	25.5	22.0	
11.0		31.0	31.0	31.0	29.5	28.5	24.5	20.8	16.5
12.0		27.5	27.5	28.0	27.5	26.5	23.0	19.7	16.0
14.0			22.0	23.5	24.0	23.0	20.5	17.8	15.0
16.0			18.0	19.0	20.3	20.5	18.3	16.0	14.0
18.0				16.7	17.5	18.0	16.5	14.7	12.0
20.0				13.7	14.5	15.0	14.9	13.5	11.0
22.0				11.5	12.3	12.8	13.2	12.3	10.2
24.0					10.4	10.9	11.0	11.2	8.6
26.0					8.9	9.4	9.7	10.1	9.5
28.0						8.1	8.5	8.8	8.7
30.0						7.0	7.4	7.7	8.0
32.0						6.1	6.5	6.8	7.1
34.0							5.7	6.0	6.3
36.0							5.0	5.3	5.6
38.0								4.7	5.0
40.0								4.1	4.4
42.0									3.8
44.0									3.4
I(m)	0	4.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7
II(m)	0	0	0	4.8	9.6	14.4	19.2	24.0	28.4
magnification	13	12	9	7	6	5	4	4	3
hook	100t	80t	60t						

Main arm elevation angle (°)	Main boom (m) + extension boom (m)		Main arm (m) + jib (m)			Main arm + extension arm + jib arm (m)			
	Outriggers fully extended, fifth outrigger set, 360° operation, 32t counterweight								
	46.6+9.5	51.0+9.5	51.0+10.4			51.0+17.5		51.0+9.5+17.5	
	0°	0°	0°	15°	30°	0°	15°	30°	0°
80	9.5	8.0	6.5	5.0	4.2	4.0	2.5	1.8	2.8
78	9.0	7.6	6.5	5.0	4.2	3.9	2.4	1.7	2.7
76	8.5	7.2	6.3	4.8	4.2	3.8	2.3	1.7	2.6
74	8.1	6.8	6.2	4.8	4.2	3.7	2.2	1.7	2.4
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66	6.7	5.4	5.7	4.5	4.2	3.3	2.1	1.6	1.7
64	6.4	5.2	5.6	4.4	4.2	3.2	2.0	1.6	1.6
62	6.1	5.2	5.6	4.4	4.2	3.1	2.0	1.5	1.5
60	6.1	5.2	5.5	4.4	4.2	2.9	2.0	1.5	1.4
58	6.0	5.2	5.3	4.4	4.2	2.8	1.9	1.5	1.3
56	6.0	5.2	5.0	4.4	4.2	2.7	1.9	1.5	1.3
54	5.9	4.8	4.7	4.3	4.2	2.6	1.9	1.4	1.3
52	5.5	4.6	4.5	4.2	4.0	2.5	1.8	1.4	1.3
50	5.3	4.3	4.2	4.0	3.8	2.4	1.8	1.4	1.3
48	4.9	4.0	3.9	3.7	3.5	2.3	1.8	1.4	1.3
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44	4.2	3.5	3.3	3.2	3.0	2.0	1.8	1.4	1.3
42	4.0	3.2	3.0	2.9	2.8	2.0	1.8	1.4	
40	3.7	3.0	2.8	2.7	2.6	1.9	1.8	1.4	
magnification	2	1							
hook	18t	6.5t							

Note: When the main boom length is 46.6m, the reach I cylinder extends 9.7m.