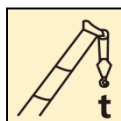
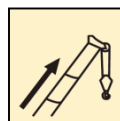


XCT110_Y1 Truck Crane

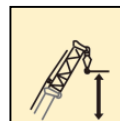
Technical specifications



110t



60.5 m

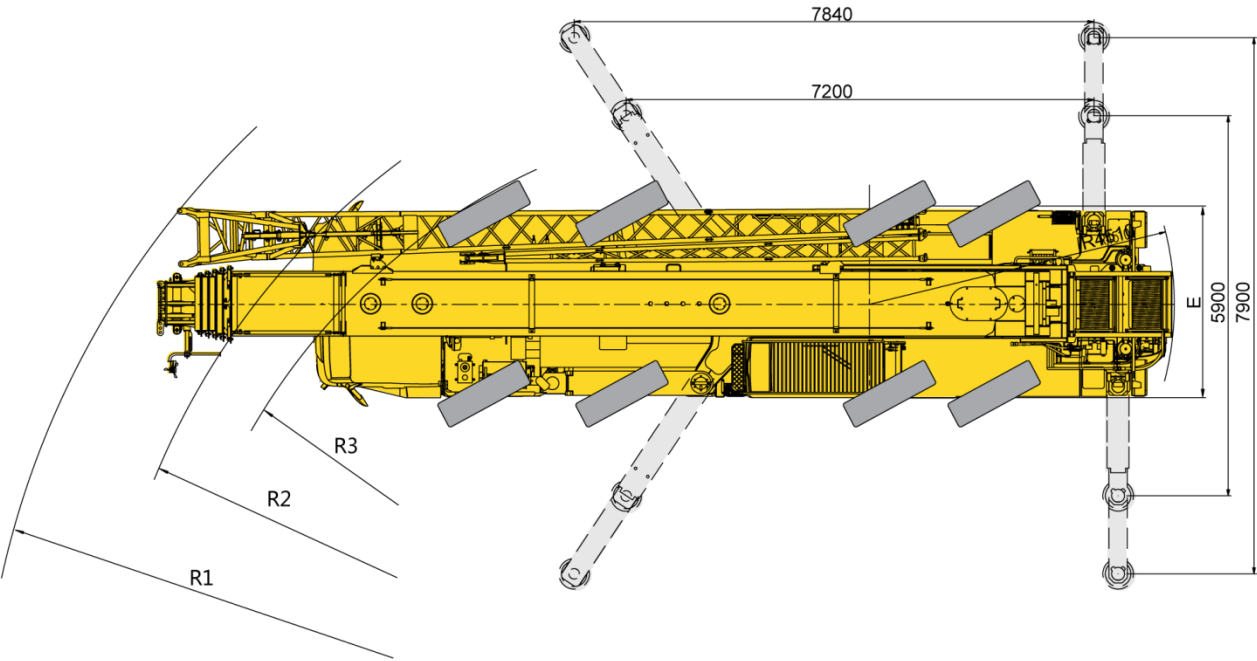
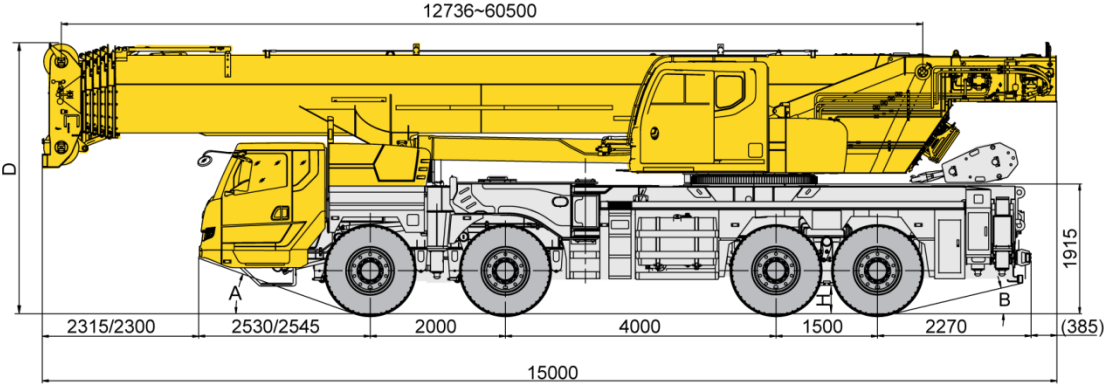


85m



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	A	B	D	E	R1	R2	R3	H
385/95 R 25	20°	14°	3990	2800	12500	11500	10000	335

Notes : Front extension: 2300 mm, front overhang: 2545 mm (equipped with Qixing driver's cab);
Front extension: 2315 mm, front overhang: 2530 mm (equipped with XCMG Automobile driver's cab).

Technical specifications



Chassis All-axle steering

Frame	Designed and manufactured by XCMG, it is made of high strength steel with fully covered walking surface and anti-torsion box-typed structure.
Outriggers	Four outriggers; front two-stage outrigger beams are swung, and rear outrigger beams are extended. Outrigger beams and jacks are hydraulically controlled. There is an outrigger control station located at each side of the chassis, and there is a level gauge, an illuminator and speed buttons on each control station. There is a check valve fitted in each outrigger cylinder, and a double-way hydraulic valve fitted in each jack cylinder. Float dimension: 360 mm×450 mm Reaction force of outrigger at max. lifting load: 690kN
Engine	WP10H400E62, in-line, 6-cylinder, water cooled, electric control diesel engine, made by Weichai, with rated power of 294 kW/1900 rpm and max. torque of 1900 Nm/1200-1300 rpm, Max. reference torque: 2062 N.m Compliant with China VI emission standard; Fuel tank capacity: approx. 470 L. AdBlue tank capacity: 35 L.
Transmission	Mechanical transmission, made by Shaanxi Fast Gear Co., Ltd., 10-forward speed and 2-reverse speed, with a synchronizer.
Axles	High strength axles, made by famous manufacturers. 1st and 2nd axles are for steering, and 3rd and 4th axles are for steering and driving.
Suspension	Leaf springs are adopted for front suspensions; double trailing arm type suspensions are adopted for rear suspensions.
Tires	8 tires and 1 spare tire, each axle is equipped with single tire, manufactured by Bridgestone/Double Coin/Techking. Tire specifications: 385/95R25.

Braking system	Service brake: dual-circuit air pressure brake, acting on all wheels. Parking brake: spring-loaded brake, acting on wheels of axles 2,3 and 4. Auxiliary brake: engine exhaust brake, engine retarder brake
Steering system	All-axle steering; axles 1 and 2 are mechanically steered + hydraulic booster, axles 3 and 4 are steered through cylinder control. It is suitable for various demands of working conditions and several steering modes can be realized.
Driver's cab	New enclosed cab, luxury and comfortable. It is designed to be leakproof, anti-corrosive and shockproof. It is equipped with a windshield offering outstanding visibility, electrical adjustable rear mirrors, electric control washer, electronic lifters of doors and windows, air heater with defrosting function, radio player and new floor mat, etc. The co-driver's seat may turn into a simple sleeper. A fire extinguisher of 2 kg is available. Heater and air conditioner are standard.
Electrical system	24 V DC, two sets of 12 V battery in series. Generator: 28 V-80 A

Technical specifications



Superstructure

Frame	Designed and manufactured by XCMG, made of high strength steel.
Hydraulic system	Electric proportional variable pump is used for lifting, luffing and telescoping operations. A closed pump is used to drive slewing operation. Proportional solenoid directional control valve and air-cooled hydraulic oil radiator are fitted in the system. Effective volume of hydraulic oil tank: 840L
Control system	The electric proportional control system is equipped with two levers at left and right sides controlling the main movements of the crane, and stepless slewing speed regulation is available.
Main winch	Hydraulic control is used for speed regulation. The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake, a balanced valve and a grooved drum equipped.
Auxiliary winch	Hydraulic control is used for speed regulation. The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake, a balanced valve and a grooved drum equipped.
Slewing system	A single-row, four-point contact-ball external toothed slewing bearing is driven by hydraulic motor through planetary gear reducer. A built-in constant-closed brake is equipped. It may continuously slew 360°. Power control and free slewing function as well as stepless speed regulation are available.
Luffing system	Single luffing cylinder and the luffing counterbalance valve with the load compensation function. Balance valve-controlled boom gravity combined with power for lowering boom is used for boom luffing down.
Operator's cab	Steel cab with a full-view windshield, safety glass, sliding door, adjustable seat with electric heating function; it can tilt backward about 20°; double-layer sun shield is adopted for roof window; sun shield is also equipped at the windshield and rear window; wipers, roof guardrails, pull-out step, LMI, human-machine interactive control panel, electric controlled armrest, engine accelerator pedal, engine start switch, etc. are also available. Heater, air conditioner and fire extinguisher of 2 kg are standard.
Safety device	Hydraulic balance valve, hydraulic relief valve, double-way hydraulic valve, LMI, lowering limiter, anti-two block, anemometer, winch monitoring device.
Combined counterweight	Total weight is 33t. For all-axle steering, there are 13 combination modes of 33 t, 24.6 t, 19.8 t, 19.6 t, 17.6 t, 15 t, 14.8 t, 12.8 t, 10 t, 8 t, 7 t, 2 t and 0 t. For standard configuration, there are 10 combination modes of 33 t, 24.6 t, 19.8 t, 19.6 t, 17.6 t, 15 t, 14.8 t, 10 t, 7 t and 2 t.

Hook blocks	80 t hook block 55 t hook block 7 t hook block
Boom	6-section boom with U-shaped cross-section, welded structure with single-plate boom head and compact boom tail. Single-cylinder pinning telescoping system Boom length: 12.7 m~60.5 m.
Jib	The jib consists of a connecting bracket, a rotating bracket and two lattice sections. Three offset angles of 0°, 15° and 30° are available. It is stowed along the side of the boom. Jib length: 10.5 m, 17.5 m
Single top	Installed at the boom top, used for single line operation. Its lifting performance is the same as that for boom, but the max. lifting load could not exceed 6.5 t.

Product parts list is as mentioned above. Please refer to the product quotation for specific parts.

Version

Version	Function	Selection
All-axle steering	Steering type is 8×8, 6 section boom of 60.5 m, fixed jib of 17.5 m	

Optional equipment	Selection
OBU device	
Boom extension, 7m	
Note: the optional equipment is available to both versions.	

Weight

All-axle steering



Axle	1	2	3	4	Total weight
t	12	12	12	12	48
t	13.8	13.8	17.8	17.8	63.2

(1) Licensed crane travel configuration of 48 t

Superstructure: 55 t hook block and jib are carried; single top, all counterweight (33 t), 80 t hook block, 7 t hook block and 7 m boom extension are excluded.

Chassis: spare tire and spare tire bracket, counterweight bracket and outrigger floats are excluded.

(2) Short distance jobsite transfer configuration of 63 t

Configuration of 48 t+8 t counterweight+5 t counterweight+2 t counterweight +Outrigger floats



Hook block	Parts of line	Weight (kg)	Dimensions (mm)	Remarks
80t	12	700	1735×554×520	Single hook
55t	8	470	1600×520×370	Single hook
7t	1	210	717×370×370	Single hook



385/95 R 25	1 ~ 80	45%
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Operation mechanism	Working speed	Max. single line pull	Rope diameter/ length
	0-145 m/min, single line, 4th layer	6.8t	20 mm/250 m
	0-90 m/min, single line, 4th layer	6.8t	20 mm/200 m
	0-2.0 r/min		
	Approx. 55 s for boom luffing from -1° to 81°		
	Approx. 490 s for boom extending from 12.7 m to 60.5 m		

Weight

Standard



Axle	1	2	3	4	Total weight
t	12	12	13	13	50
t	11.6	11.6	24.8	24.8	72.8

(1) Licensed crane travel configuration of 50 t
Superstructure: 55 t hook block 、 jib and 2 t fixed counterweight are carried; single top, 4.8 t counterweight (two slabs), 8 t counterweight, 5 t counterweight, 4.2 t counterweight (two slabs), 80 t hook block, 7 t hook block and 7 m boom extension are excluded.
Chassis: spare tire and spare tire bracket are excluded.

2) Short distance jobsite transfer configuration of 72.6 t
Configuration of 50 t+8 t counterweight+5 t counterweight+4.8 t counterweight ×2+Outrigger floats



Hook block	Parts of line	Weight (kg)	Dimensions (mm)	Remarks
80t	12	700	1735×554×520	Single hook
55t	8	470	1600×520×370	Single hook
7t	1	210	717×370×370	Single hook

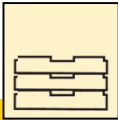
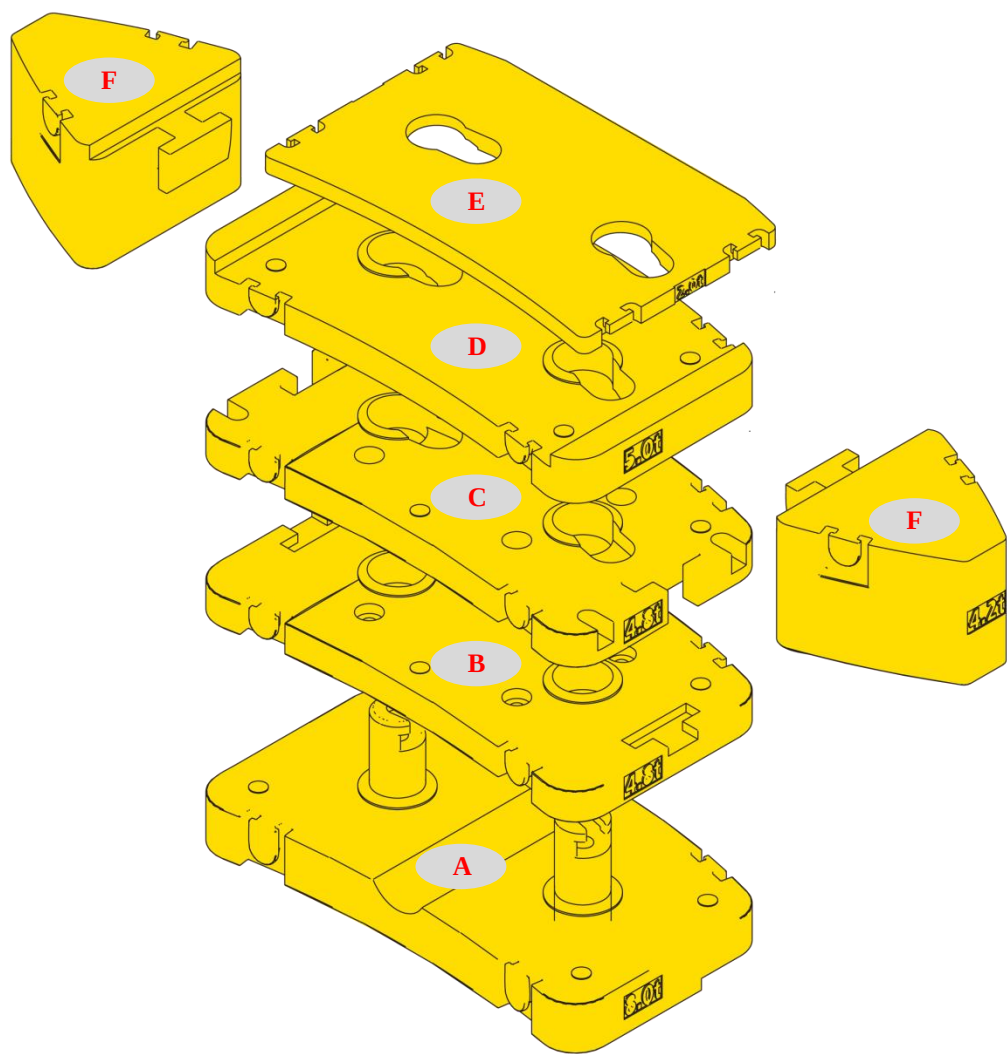


		
385/95 R 25 12.00 R24、 325/95R24	1 ~ 80	45%



Operation mechanism	Working speed	Max. single line pull	Rope diameter/ length
	0-145 m/min, single line,4th layer	6.8t	20 mm/250 m
	0-90 m/min, single line,4th layer	6.8t	20 mm/200 m
	0-2.0 r/min		
	Approx. 55 s for boom luffing from -1° to 81°		
	Approx. 490 s for boom extending from 12.7 m to 60.5 m		

Counterweight

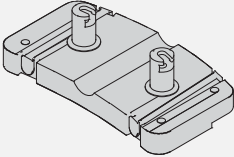
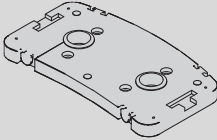
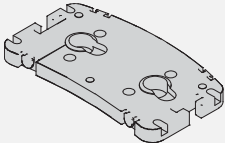
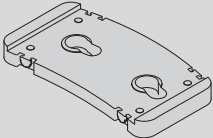
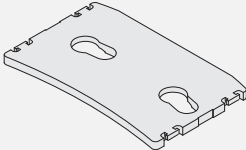
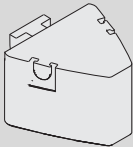
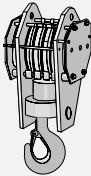


Counterweight	A	B	C	D	E	F
Dimensions (L×W×H) (mm)	2750×1536×795	2750×1536×223	2750×1536×236	2750×1536×294	2330×1428×102	917×1010×975
Weight (t)	8	4.8	4.8	5	2	4.2

Working mode	33t	24.6t	19.8t	19.6t	17.6t	15t	14.8t	12.8t	10t	8t	7t	2t	0t
Combinations	A+B+ C+D+ E+2F	A+B+ C+D+ E	A+C+ D+E /A+B +D+E	A+B+ C+E	A+B+ C	A+D+ E	A+B+ E/A+ C+E	A+B/ A+C	A+E	A	D+E	E	——

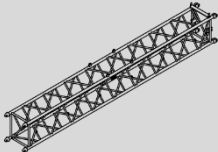
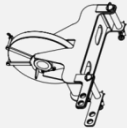
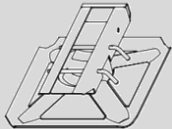
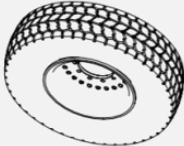
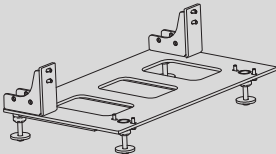
Note: counterweight combinations of 12.8 t, 8 t and 0 t are only available for all-axle steering version.

Dimensions of parts to be transported

Part Name	Figure	Weight (kg)	Quantity	Dimensions (mm)
Counterweight A		8000	1	2750×1536×795
Counterweight B		4800	1	2750×1536×223
Counterweight C		4800	1	2750×1536×236
Counterweight D		5000	1	2750×1536×294
Counterweight E		2000	1	2330×1428×102
Counterweight F		4200	2	917×1010×975
80 t hook block		700	1	1735×554×520
7 t hook block		210	1	717×370×370

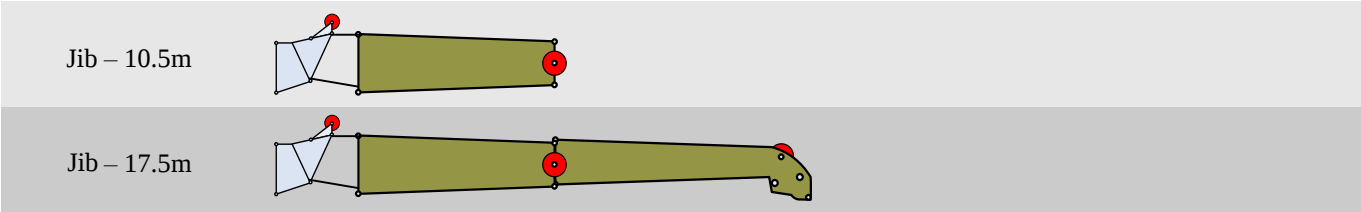
Note: dimensions and weight of parts to be transported are just for reference. The above list may vary due to different licensed configurations.

Dimensions of parts to be transported

Part Name	Figure	Weight (kg)	Quantity	Dimensions (mm)
Boom extension		454	1	7090×1455×870
Single top		95	1	755×480×860
Outrigger float		45	4	360×450×120
Spare tire		240	1	390×φ1360
Spare tire bracket		50	1	350×905×1316
Counterweight bracket		145	1	450×800×1380

Note: dimensions and weight of parts to be transported are just for reference. The above list may vary due to different licensed configurations.

Boom / Jib combinations

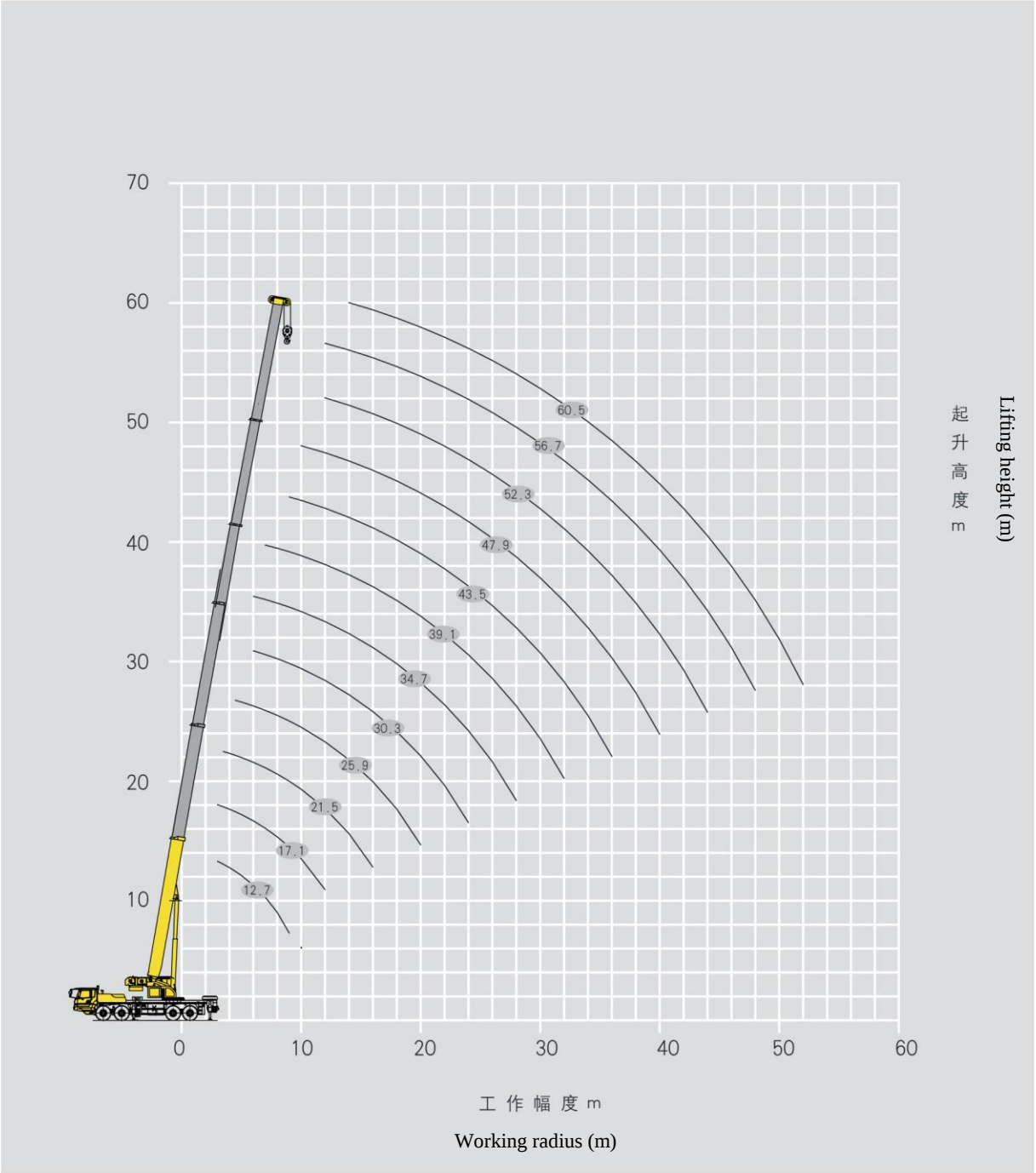


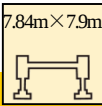
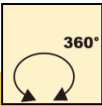
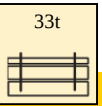
Component	Structure	Dimensions (L×W×H) (mm)	Weight (kg)
Connection bracket		2035×870×1476	215
First jib section assembly		9340×620×900	567
Second jib section assembly		6520×300×430	259

Boom / Jib combinations

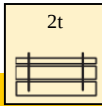
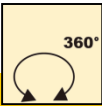
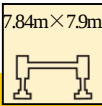


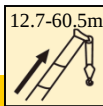
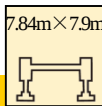
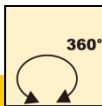
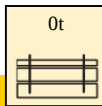
Boom	Jib	Boom extension
T: 12.7~60.5m	T: 52.3~60.5m J: 10.5~17.5m	T: 52.3~60.5m I: 7m J: 10.5~17.5m

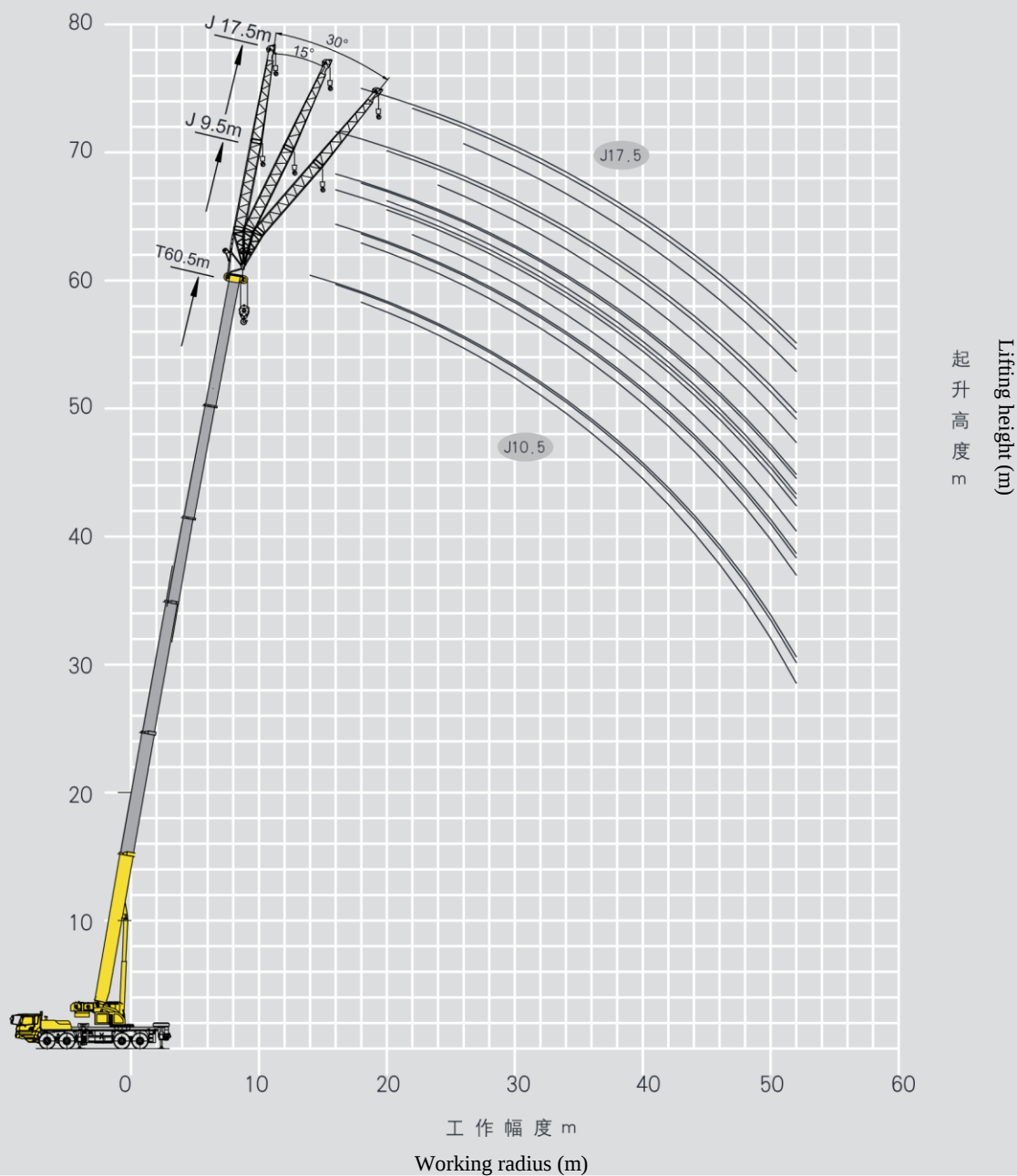


     													
	12.7m	17.1m	21.5m	25.9m	30.3m	34.7m	39.1m	43.5m	47.9m	52.3m	56.7m	60.5m	
3	110.0 *	76.0											3
3.5	80.0	74.0	68.0										3.5
4	78.0	72.0	67.5										4
4.5	74.0	69.0	65.0	54.4									4.5
5	68.0	66.5	62.0	54.4									5
6	60.0	58.0	56.8	53.0	47.6	40.8							6
7	49.0	49.0	49.0	49.0	47.0	40.8	34.0						7
8	43.5	43.5	43.5	43.5	43.0	40.0	34.0						8
9	38.0	38.0	38.0	38.0	38.0	38.0	34.0	27.2					9
10		34.5	34.5	34.5	34.5	34.5	32.0	27.2	25.5				10
12		29.0	29.0	29.0	29.0	29.0	28.0	26.1	23.2	19.6	16.0		12
14			24.5	24.5	24.5	24.3	25.0	23.3	21.0	18.7	15.6	13.0	14
16			21.5	21.5	21.5	21.3	20.0	20.6	19.0	17.1	15.3	13.0	16
18				18.0	17.9	17.7	18.0	17.5	17.1	15.4	14.0	12.6	18
20				15.2	15.3	14.9	15.3	15.6	14.9	13.9	12.6	11.6	20
22					13.1	12.7	13.1	13.4	13.2	12.5	11.4	10.4	22
24					11.3	11.5	11.3	11.7	11.7	11.3	10.5	9.4	24
26						10.7	10.1	10.7	10.5	10.2	9.6	8.6	26
28						9.6	9.3	9.5	9.2	9.0	8.5	8.0	28
30							8.6	8.4	8.2	7.9	7.6	7.3	30
32							7.7	7.6	7.3	7.1	6.7	6.7	32
34								6.8	6.5	6.3	5.9	6.0	34
36								6.1	5.9	5.6	5.3	5.3	36
38									5.3	5.0	4.7	4.7	38
40									4.7	4.5	4.1	4.2	40
42										4.1	3.7	3.8	42
44										3.6	3.2	3.3	44
46											2.8	2.9	46
48											2.5	2.5	48
50												2.2	50
52												1.9	52

Note: * means capacity class

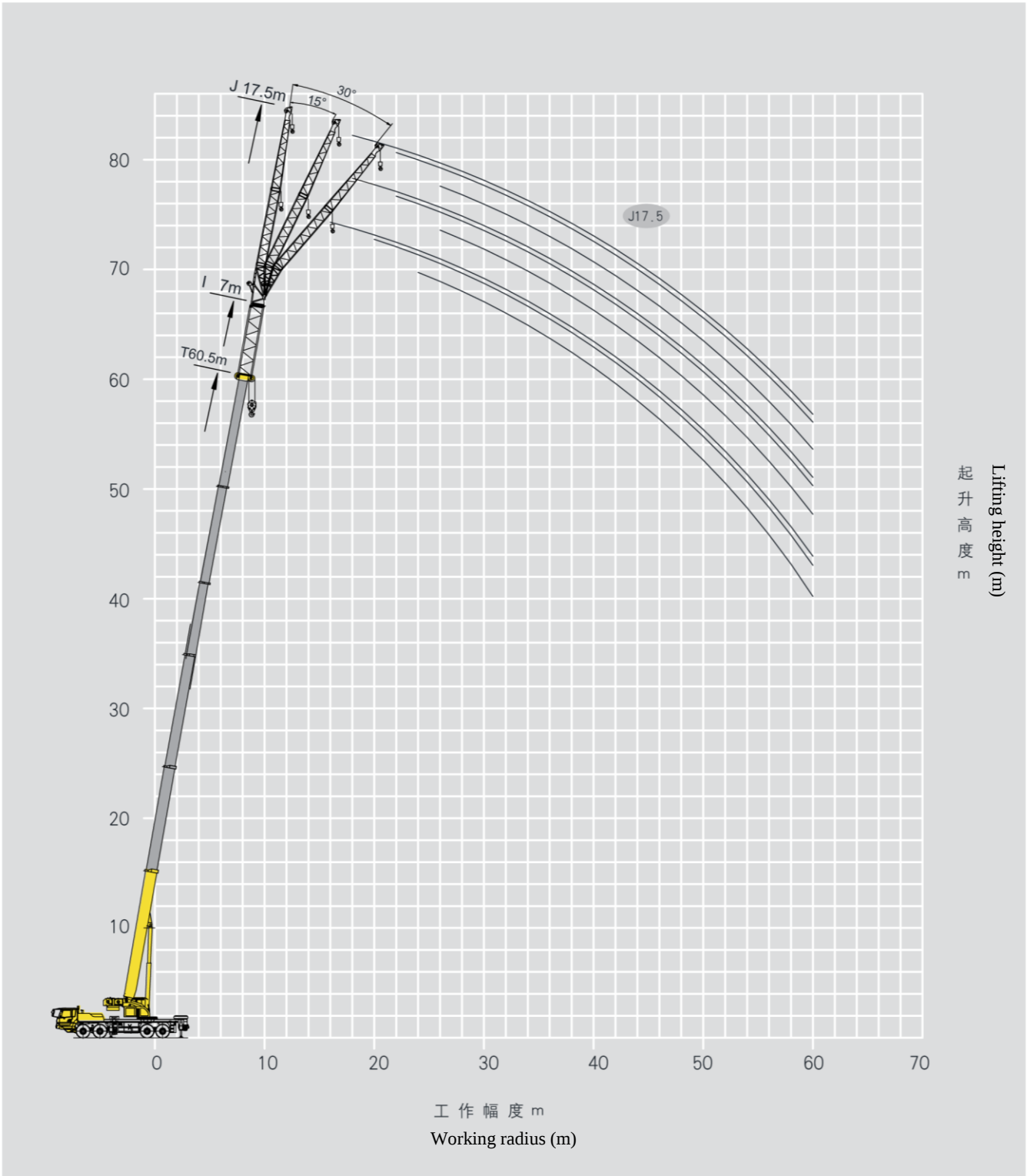
  													
	12.7m	17.1m	21.5m	25.9m	30.3m	34.7m	39.1m	43.5m	47.9m	52.3m	56.7m	60.5m	
3	80.0	76.0											3
3.5	80.0	74.0	68.0										3.5
4	78.0	72.0	67.5										4
4.5	72.0	69.0	65.0	54.4									4.5
5	64.5	64.5	62.0	54.4									5
6	54.0	53.5	53.0	53.0	47.6	40.8							6
7	36.7	39.9	42.0	42.4	40.8	40.0	34.0						7
8	27.0	30.4	31.7	31.9	31.7	31.3	31.9						8
9	20.9	23.9	25.0	25.3	25.0	24.6	25.2	24.8					9
10		19.3	20.4	21.5	21.7	21.9	21.8	21.6	21.2				10
12		12.8	14.1	15.0	15.2	15.4	15.3	15.1	14.3	14.0	13.5		12
14			10.2	11.0	11.2	11.4	11.3	11.1	10.5	10.2	9.7	9.8	14
16			7.6	8.3	8.4	8.5	8.4	8.3	8.0	7.6	7.2	7.2	16
18				6.6	6.6	6.7	6.6	6.5	6.2	5.9	5.5	5.5	18
20				5.1	5.2	5.3	5.2	5.1	4.8	4.6	4.2	4.2	20
22					4.2	4.3	4.2	4.1	3.8	3.5	3.1	3.2	22
24					3.3	3.4	3.3	3.2	2.9	2.8	2.4	2.4	24
26						2.8	2.7	2.6	2.3	2.1	1.7	1.7	26
28						2.2	2.1	2.0	1.7	1.5	1.1	1.1	28

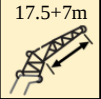
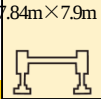
														
	12.7m	17.1m	21.5m	25.9m	30.3m	34.7m	39.1m	43.5m	47.9m	52.3m	56.7m	60.5m		
3	80.0	76.0											3	
3.5	80.0	74.0	68.0										3.5	
4	78.0	72.0	67.5										4	
4.5	72.0	69.0	65.0	54.4									4.5	
5	64.5	64.0	62.0	54.4									5	
6	50.0	54.1	53.3	53.0	47.6	40.8							6	
7	34.0	37.3	38.7	39.0	38.7	38.2	34.0						7	
8	25.0	27.8	29.0	29.3	29.0	28.6	29.2						8	
9	19.0	21.7	23.0	24.0	23.5	24.4	23.8	23.8					9	
10		17.2	18.7	19.5	20.0	20.0	19.5	19.3	18.9				10	
12		11.3	12.5	13.3	13.7	13.8	13.3	13.2	12.8	12.4	12.0		12	
14			9.0	9.7	10.0	10.1	9.8	9.6	9.3	9.0	8.6	8.6	14	
16			6.7	7.3	7.5	7.7	7.4	7.2	6.9	6.7	6.3	6.3	16	
18				5.6	5.9	5.9	5.7	5.6	5.3	5.0	4.6	4.6	18	
20				4.4	4.6	4.7	4.5	4.4	4.1	3.8	3.4	3.4	20	
22					3.6	3.7	3.5	3.4	3.1	2.9	2.5	2.5	22	
24					2.8	2.9	2.8	2.7	2.4	2.2	1.7	1.7	24	



52.3-60.5m 10.5m 7.84m×7.9m 360° 33t										
	52.3m			56.7m			60.5m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
14	6.5									14
16	6.5	6.5		6.5			6.5			16
18	6.5	6.2	4.8	6.2	5.7	4.5	6.5	5.9		18
20	6.5	6.1	4.7	5.9	5.6	4.4	6.3	5.8	4.5	20
22	6.5	5.9	4.7	5.8	5.3	4.6	6.2	5.6	4.5	22
24	6.4	5.8	4.6	5.6	5.1	4.5	5.9	5.5	4.4	24
26	6.1	5.4	4.5	5.3	5.0	4.4	5.8	5.4	4.3	26
28	5.9	5.3	4.4	5.1	4.8	4.4	5.7	5.3	4.3	28
30	5.6	5.1	4.4	4.8	4.6	4.3	5.5	5.1	4.3	30
32	5.4	5.0	4.3	4.7	4.6	4.3	5.3	5.0	4.2	32
34	5.3	4.9	4.2	4.6	4.5	4.2	5.0	4.9	4.1	34
36	5.0	4.8	4.3	4.4	4.3	4.2	4.6	4.6	4.1	36
38	4.5	4.6	4.1	4.1	4.2	4.1	4.1	4.2	4.0	38
40	4.1	4.2	4.0	3.7	3.9	4.0	3.7	3.9	3.9	40
42	3.6	3.8	3.9	3.3	3.4	3.6	3.2	3.4	3.6	42
44	3.2	3.4	3.5	2.9	3.1	3.2	2.9	3.1	3.2	44
46	2.9	3.1	3.2	2.6	2.7	2.8	2.5	2.7	2.8	46
48	2.6	2.7	2.8	2.3	2.4	2.5	2.3	2.3	2.4	48
50	2.3	2.4	2.4	2.0	2.1	2.2	2.0	2.1	2.2	50
52	2.1	2.2	2.2	1.7	1.8	1.9	1.7	1.8	1.9	52
Code	12222			22222			33333			Code

52.3-60.5m 17.5m 7.84m×7.9m 360° 33t										
	52.3m			56.7m			60.5m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	4.8			4.4						16
18	4.6			4.3			4.1			18
20	4.5	3.3		4.2	3.3		4.0			20
22	4.2	3.2	2.2	4.1	3.2		3.9	3.0		22
24	4.0	3.0	2.2	4.0	3.1	2.3	3.8	2.9		24
26	3.9	2.9	2.2	3.8	3.0	2.3	3.7	2.9	2.4	26
28	3.8	2.8	2.2	3.6	2.8	2.3	3.6	2.9	2.3	28
30	3.7	2.8	2.2	3.5	2.7	2.2	3.5	2.8	2.2	30
32	3.6	2.7	2.2	3.4	2.7	2.1	3.3	2.7	2.2	32
34	3.5	2.6	2.2	3.3	2.6	2.1	3.2	2.6	2.2	34
36	3.3	2.6	2.1	3.2	2.6	2.1	3.1	2.6	2.1	36
38	3.2	2.5	2.0	3.0	2.5	2.0	3.0	2.4	2.1	38
40	3.1	2.4	1.9	3.0	2.5	2.0	2.9	2.5	2.1	40
42	3.0	2.3	1.9	3.0	2.5	2.0	2.9	2.4	1.9	42
44	2.8	2.3	1.8	2.9	2.4	1.9	2.8	2.3	1.9	44
46	2.8	2.3	1.8	2.8	2.3	1.9	2.8	2.3	1.9	46
48	2.7	2.2	1.8	2.5	2.3	1.8	2.5	2.2	1.8	48
50	2.6	2.1	1.8	2.3	2.2	1.8	2.2	2.2	1.8	50
52	2.3	2.1	1.8	2.0	2.2	1.8	2.0	2.2	1.8	52
Code	12222			22222			33333			Code



52.3-60.5m 17.5+7m 7.84m×7.9m 360° 33t										
	52.3m			56.7m			60.5m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	3.1									16
18	3.1			2.9			2.6			18
20	3.1	2.6		2.9			2.6			20
22	3.1	2.5		2.8	2.5		2.6	2.5		22
24	3.1	2.3	1.4	2.8	2.4		2.6	2.4		24
26	3.1	2.2	1.4	2.8	2.3	1.4	2.6	2.3	1.5	26
28	3.1	2.1	1.4	2.8	2.1	1.3	2.6	2.2	1.4	28
30	3.1	2.0	1.3	2.8	2.0	1.3	2.6	2.1	1.3	30
32	3.1	1.9	1.3	2.8	1.9	1.3	2.6	2.0	1.3	32
34	3.0	1.7	1.2	2.8	1.8	1.2	2.6	1.8	1.3	34
36	2.9	1.6	1.2	2.8	1.8	1.1	2.6	1.8	1.1	36
38	2.8	1.6	1.2	2.8	1.7	1.1	2.6	1.8	1.1	38
40	2.6	1.5	1.1	2.8	1.5	1.1	2.6	1.7	1.1	40
42	2.5	1.5	1.1	2.7	1.5	1.1	2.6	1.6	1.1	42
44	2.4	1.4	1.1	2.6	1.5	1.0	2.6	1.5	1.0	44
46	2.3	1.4	1.0	2.5	1.4	1.0	2.6	1.5	1.0	46
48	2.1	1.3	1.0	2.3	1.4	1.0	2.4	1.5	1.0	48
50	2.0	1.3		2.2	1.4	1.0	2.2	1.4	1.0	50
52	1.9	1.3		2.1	1.3		2.0	1.4	1.0	52
Code	12222			22222			33333			Code

Description of symbols

	Superstructure			Chassis
	Lifting capacity			Axle
	Boom length			Driving speed
	Radius			Grade ability
	Boom angle			Tires
	Hoist height with boom			Outriggers
	Fixed jib length			Hook block
	Jib offset angle			Counterweight
	Hoist height with jib			Winch
	Independent jib head			360° operation of the boom
	Boom extension			

Table of main technical parameters

Category	Item	Unit	Parameter		
			All-axle steering	Standard	
Dimensions	Dimensions (length×width×height)	mm	14970×2800×3990		
	Wheel base	mm	2000+4000+1500	2000+4000+1350	
	Track（Front/ Rear ）	mm	2353/2291	2353/2063	
	Front/ Rear overhang	mm	2530(XCMG Automobile)/2270 ; 2545(Qixing) /2270	2530(徐工汽车XCMG Automobile)/2420; 2545(齐星Qixing)/2420	
	前伸/后伸 Front/ Rear extension	mm	2315(徐工汽车XCMG Automobile)/385; 2300(齐星 Qixing)/385	2315(徐工汽车XCMG Automobile)/385; 2300(齐星Qixing)/385	
重量参数 Weight	最大允许总质量 Max. permissible total weight		kg	48000	50000
	轴荷 Axle load	一轴 1st axle	kg	12000	12000
		二轴 2nd axle	kg	12000	12000
		三轴 3rd axle	kg	12000	13000
		四轴 4th axle	kg	12000	13000
动力参数 Power	发动机型号 Engine model		——	WP10H400E62	
	额定功率/转速 Engine rated power/rpm		kW/(r/min)	294/1900	
	最大净功率/转速 Max. net power/rpm		kW/(r/min)	289/1900	
	最大输出扭矩/转速 Max. output torque/rpm		N.m/(r/min)	1900/1200-1300	
行驶参数 Travel	最高车速 Max. travel speed		km/h	≥80	
	最低稳定车速 Min. stable travel speed		km/h	1.7 ~ 3	
	最小转弯直径 Min. turning diameter		m	≤20	≤24
	臂头最小转弯直径 Min. turning diameter at boom tip		m	≤25	≤29.4
	最小离地间隙 Min. ground clearance		mm	335	303
	接近角 Approach angle		°	20	20
	离去角 Departure angle		°	14	13
	制动距离(制动初速度为30km/h) Braking distance (at 30 km/h)		m	≤10	
	最大爬坡能力 Max. grade ability		%	45	
	百公里油耗 Fuel consumption per 100 km		L	45	
噪音 Noise	加速行驶机外噪声 Exterior noise level		dB(A)	≤84	
	驾驶员耳旁噪声 Noise level at seated position		dB(A)	≤90	

主要技术参数
 Table of main technical parameters

类别 Category	项目 Item		单位 Unit	参数 Parameter	
主要性能参数 Main performance	最大额定总起重量 Max. total rated lifting capacity		t	110*	
	最小额定工作幅度 Min. rated working radius		m	3.0	
	转台尾部回转半径 Turning radius at turntable tail	平衡重处 Counterweight	mm	4560	
		副卷处 Auxiliary winch	mm	4510	
	最大起重力矩 Max. load moment	基本臂 Base boom	kN.m	3528	
		最长主臂 Fully-extended boom	kN.m	2274	
		最长主臂+副臂 Fully-extended boom + Jib	kN.m	1679	
	支腿跨距 Outrigger span	纵向 Longitudinal	m	7.84 (7.2)	
		横向 Lateral	m	7.90 (5.9)	
	起升高度 Hoist height	基本臂 Base boom	m	13.3	
		最长主臂 Fully-extended boom	m	60.5	
		最长主臂+副臂 Fully-extended boom + Jib	m	85	
	起重臂长度 Boom length	基本臂 Base boom	m	12.7	
		最长主臂 Fully-extended boom	m	60.5	
最长主臂+副臂 Fully-extended boom + Jib		m	85		
副臂安装角 Jib offset angle		°	0、15、30		
工作速度参数 Working speed	起重臂起臂时间 Boom raising time		s	55	
	起重臂全伸时间 Boom fully extended time		s	490	
	最大回转速度 Max. slewing speed		r/min	2.0	
	支腿收放时间 Outrigger extending and retracting time	水平支腿 Outrigger beam	收 Retracting	s	30
			放 Extending	s	40
		垂直支腿 Outrigger jack	收 Retracting	s	30
			放 Extending	s	40
	起升速度（单绳，第四层，空载） Hoisting speed (single line, 4th layer, no load)	主起升机构 Main winch		m/min	145
副起升机构 Auxiliary winch		m/min	90		
噪声 Noise	机外辐射 Exterior noise level		dB (A)	109	
	司机位置处 Noise level at seated position		dB (A)	85	

说明：*为名义载荷，表示起重机能力等级
 Note：* means capacity class

注意事项
Notes

1. 表中额定总起重量值，是在平整的坚固地面上本起重机能够保证的最大总起重量，包括吊钩和吊具的重量，所以为了估算重物重量，必须减去上述的装置重量。
2. 表中的工作幅度为起吊重物离地时起重物到起重机回转轴线的水平距离，是包括起重臂变形量在内的实际值，因而起吊前应考虑起重臂变形量。
3. 只允许在5级(瞬时风速14.1m/s，风压125N/m²)风以下进行作业。
4. 吊重前操作者必须对物体的重量和工作范围了解后选择合适的作业工况，严禁超出表中的数值。幅度及臂长在相邻两个数值之间时，应依据两个数值中较小值确定起重作业。
5. 应按主臂仰角范围作业，即使是空载，也不应使主臂仰角处于范围外，谨防整机倾翻。
6. 表中的主臂长度应要按照每节臂的伸缩要求进行伸出。

1. The total rated loads given in the rated load charts are the maximum lifting capacity when the crane is set up on firm and level ground, which includes the weight of the hook block and slings. The weight of above-mentioned devices should be deducted from the rated lifting load.
2. The working radius shown in the rated load charts is the radius when the load is lifted off the ground, and it is the actual value including loaded boom deflection. Take boom deflection into consideration before beginning a lifting operation.
3. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14.1 m/s, wind pressure is 125 N/m²).
4. Before beginning lifting operation, the operator should know the weight of the load to be lifted and its working range, and then select proper working conditions. Never operate the crane beyond the limit shown in the chart. Use the lower value from the chart when the boom length or working radius is between the range of values.
5. Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried. Otherwise, the crane will tip.
6. The boom should be extended according to the telescoping code shown by digits, which means the percentage of boom sections extended.



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