



CRAWLER CRANE

XLC110MC



110t



64m



71m

Company profile

XCMG Hoisting Machinery is one of the core business divisions of Xuzhou Construction Machinery Group Co., Ltd. It is a pioneer, leader and developer of China's hoisting machinery, specializing in R&D and manufacturing of mobile cranes. With technological innovation as its core driving force, XCMG Hoisting Machinery is committed to delivering digital, intelligent and integrated solutions to promote healthy and sustainable development of global hoisting industry.

XCMG Hoisting Machinery has a full range of products, including 5–220t truck cranes, 40–4000t all-terrain cranes, 25–150t rough-terrain cranes, 30–160t telescopic boom crawler cranes and 45–4000t lattice boom crawler cranes. Our products have been exported to over 190 countries and regions, ranking first on global mobile crane manufacturer list for two consecutive years and consistently leading in China's crane export market share.





Research centers

Global collaborative R&D system

China, Europe, North America, Brazil and Australia

We have set up multiple R&D centers around the world that focus on researching the regulatory requirements and customer needs in different regional markets, and developing special regional models to better meet the usage habits of customers worldwide.



XCMG European R&D Center



XCMG North American R&D Center



XCMG Brazilian R&D Center



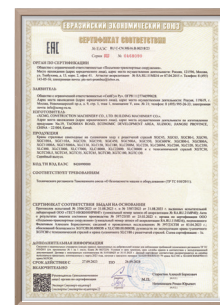
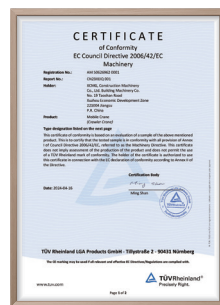
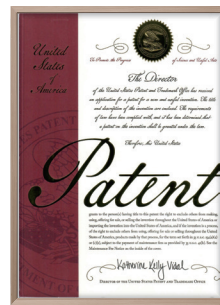
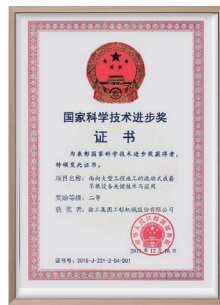
XCMG Australian R&D Center

R&D achievements

Break through nearly 100 core technologies, dedicating in the research and development of crawler equipment for three decades

Obtain market access certifications for various regions, and series products have passed CE certification, Customs Union EAC certification and North America certification

Valid patents 1,770 (including 909 invention patents, among winch 89 are overseas authorized patents) and valid software copyrights 165



Intelligent manufacturing



Welding robot



Lacing tube robot



Automatic feeding of track rollers



Fine coating



Intelligent warehousing and transportation



Test of complete machine

Global service

XCMG has globally

30

Subsidiaries

40

Sales Offices

40

Spare Part Centers

300+

Dealers

2000+

Service Outlets

5000+

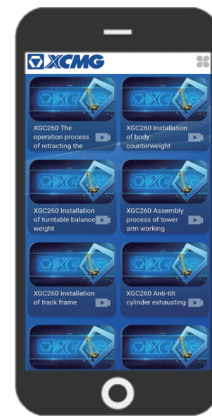
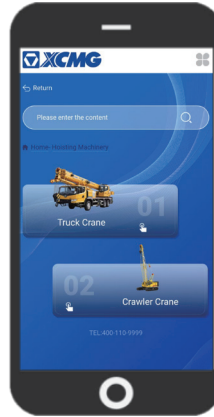
Service Engineers

1500

Specialized Service Facilities

Regularly enjoy XCMG's global services
Experience the convenience and comfort of
having XCMG in hand

XCMG video



Provide customers with services including on-site equipment inspections, product maintenance and operation training, service APP installation guidance, reducing the operational costs for customers.



▲ Service in Southeast Asian



▲ Service in Indonesia



▲ Service in Central Asian



▲ Service in Africa

CONTENTS

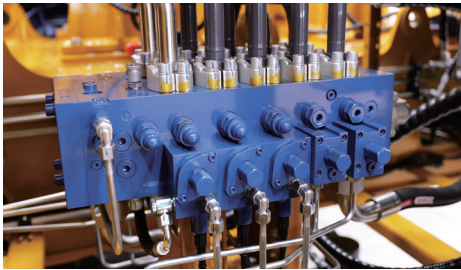
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01 Leading technology

Hydraulic main valve

- ▶ Hydraulic main valve is highly integrated, with less oil leakage points and higher reliability in quality.



Hydraulic three-stage filtration system

- ▶ Three-stage filtration system covering the entire oil suction, oil return and pipeline circuits is used to effectively prevent the emulsification of hydraulic oil and prolong the service life of hydraulic components.



All-in-one control system

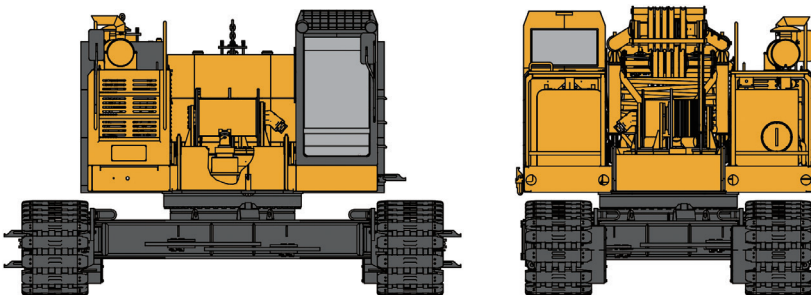
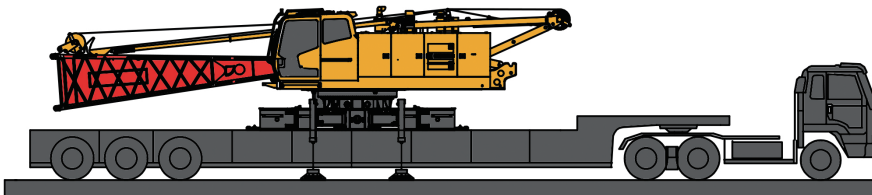
- ▶ All-in-one control system is intelligent, safe and reliable, it can display parameters such as lifting weight, ground pressure and boom length in real time.



02 Low operating cost

Convenient transportation and assembly

- ▶ The width of fully-retracted tracks is <math>< 3.5\text{m}</math>, short-distance site transfer is more convenient.
- ▶ Lengthened outriggers (optional) can be used to meet the requirements of 1.2m trailer or below.



Retractable tracks


Modular design of components

- ▶ The fixed auxiliary arm, single pulley at the end of the arm, balance weight, and hook of the platform series products can be universal, which can reduce the cost of purchasing the platform series products for users.




03 High safety and reliability

- ▶ **Fault self-diagnosis system:** position abnormality in real time, identify fault points quickly.
- ▶ **Reliable quality system:** Life-cycle structure safety design technology, first-class manufacturing equipment, high-strength steel welding process.



Height limiter
The limit device is safe and reliable, effectively preventing rope over-winding.



Anemometer and height mark lamp
Trigger sound and light alarm automatically in adverse weather conditions.



Hook latch
Prevent accidental falling of hook during lifting process, avoid safety accidents.



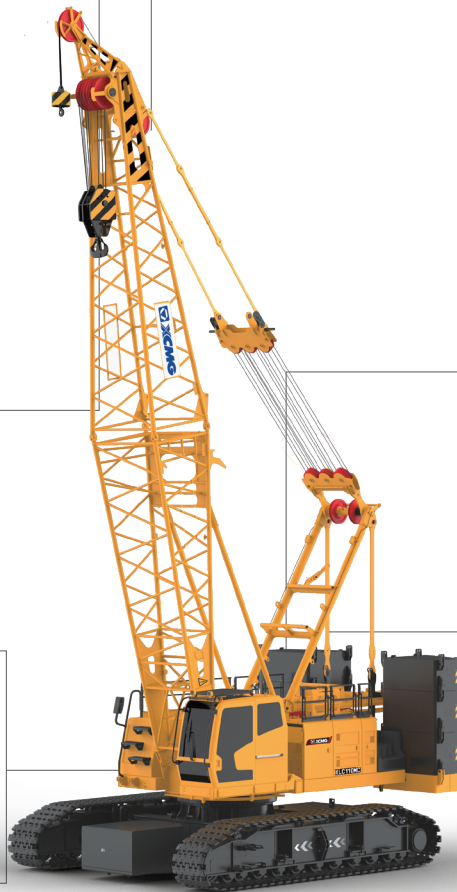
Rope over-releasing prevention device
Detect the remaining length of wire rope to avoid loss of control caused by complete release.



Emergency stop switch
(Mechanical + Program + Limit) switch, enhancing the response speed in emergency.



Real-time monitoring
Includes winch, turntable front, right, rear, and arm zoom.



04 Leading technology

Human-machine collaboration, saving time and labor

Large-view cab, excellent operating experience

- ▶ The appearance of the cab is fashion and novel, with a shock-absorbing seat, providing a more comfortable driving and operating experience.
- ▶ It features large glass areas with well-designed side windows, offering a futuristic feel and providing the operator with a wide field of vision.
- ▶ Wires and pipes inside the crane are neatly arranged, allowing for quick fault identification and troubleshooting, reducing downtime.



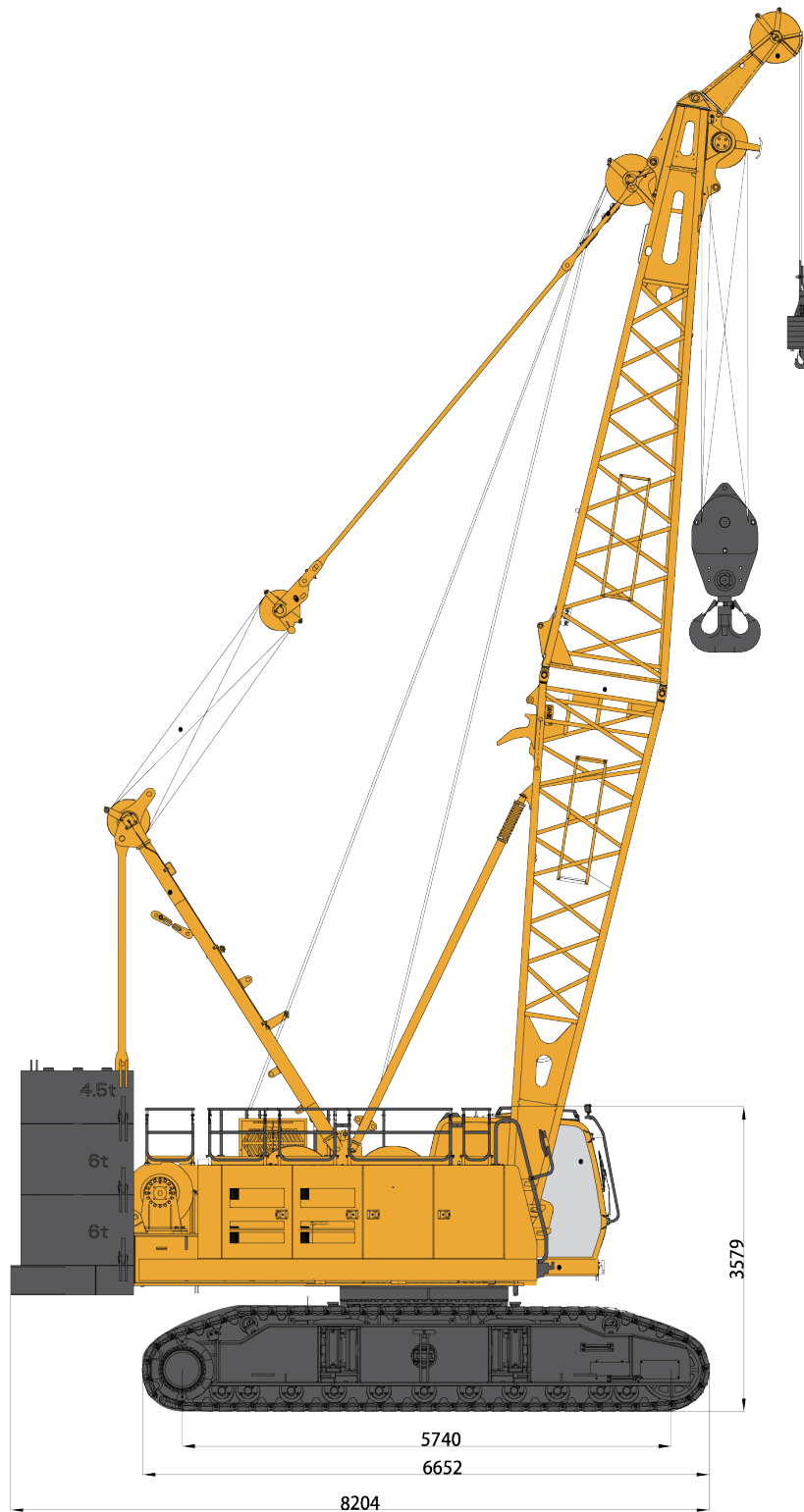
- ▶ Highly integrated control panels, which support one-click operation, improving the working efficiency.

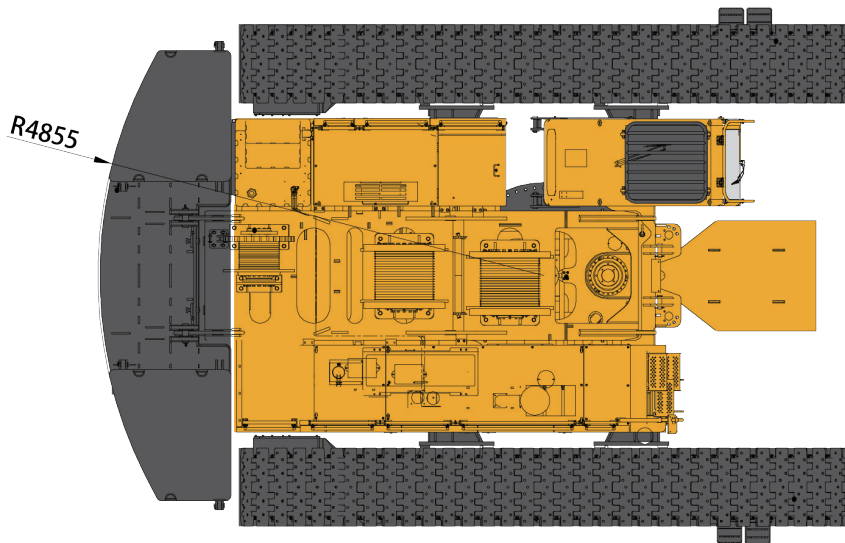
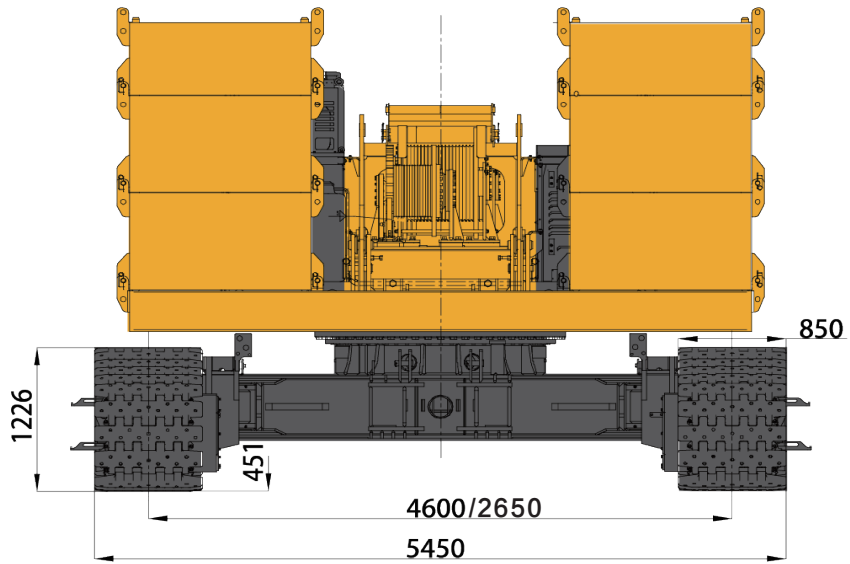


- ▶ Air conditioner with independent condenser and multi-duct, the temperature in the cab can be adjusted quickly, creating a comfortable working environment.



Dimension parameters





Technical specifications

Engine

- Model: Cummins QSL9
- Emission standard: off-road stage V
- Rated power: 252kW/1800rpm
- Fuel tank capacity: 400L

Hydraulic system

- Hydraulic system includes hoisting, luffing, slewing, traveling and auxiliary systems.
- Hoisting and travel systems: equipped with high-pressure, large-displacement main pump, electro-proportional positive flow control, and an integrated main valve, safe and reliable, with features of accurate speed, sensitive operation and good fine motion performance, allowing compound operations of multiple actions, high working efficiency.
- Cooling system: independent oil radiator drive, high-power air-cooled heat exchanger with fin type inner core.
- System maximum pressure: 35MPa.
- Hydraulic oil tank capacity: 500L, equipped with multiple large-flow filters, easy for maintenance.

Control system

- The entire crane is equipped with an all-electric control system, with CAN bus electric control levers and electric control two-way pedals. Electrical system mainly includes: engine control, auxiliary equipment, hydraulic system control, load moment indicator, safety monitoring, data display, etc. It uses PLC programmable controller combined with conventional electrical system to fulfill the function of logical control and electro-hydraulic proportional control to realize the automatic control of the crane, greatly increase the safety, reliability and efficiency for crane operation.
- 12.1-inch large high-definition touch display is used to show human-machine interaction.

Turntable

- Turntable is made of high-strength steel plates and welded in box structure. The main structure of turntable and the suspended brackets on its both sides are designed according to the force conditions of the whole machine. The structure is simple, with good processability, strong load-bearing capacity and high rigidity.

Operator's cab

- Model: The new generation cab is designed according to ergonomic principles in steel frame structure. All glass is tempered glass, ensuring both safety and visibility.
- Comfort: Instruments and controls are arranged in accordance with ergonomics. It is set with adjustable seat and rotatable display. The display is distributed within the optimal field of vision. The cab is also equipped with cooling and heating air conditioner, sound equipment, fire extinguisher and closed-circuit monitoring system, spacious and comfortable.

Slewing system

- Slewing drive: driven by hydraulic motor, the slewing system is internally meshed with slewing bearing for rotation.
- Slewing brake: it has a built-in planetary reducer, with negative brake wet type multi-disc normally closed brake to achieve "spring braking/hydraulic release" function. The slewing system is also set with a mechanical slewing locking device to realize locking protection.

Hoisting system

- Main winch and auxiliary winch (standard configuration): built-in planetary reducer, with normally closed brake to achieve “spring brake/ hydraulic release” function, safe and reliable. The reducer is lubricated by splashing oil, free of maintenance.

Main hoisting system	Drum diameter	650 mm
	Rope diameter	26 mm
	Winch rope length	240 m
	Rated single line pull	14 t

Auxiliary hoisting system	Drum diameter	650 mm
	Rope diameter	26 mm
	Winch rope length	155 m
	Rated single line pull	14 t

Luffing system

- Main boom luffing system: it is installed on turntable tail by pin shafts. Planetary gear reducer is driven by motor to achieve main boom luffing through drum and luffing pulley block. This system has built-in planetary reducer, with normally closed brake to achieve “spring brake/ hydraulic release” function, safe and reliable. Winch drum has a ratchet locking device, the ratchet paw is driven by hydraulic oil cylinder to realize mechanical braking and multiple locking protection.

Main boom luffing system	Drum diameter	450 mm
	Rope diameter	20 mm
	Winch rope length	170 m
	Rated single line pull	7 t

Crawler tracks

- Travel system adopts built-in planetary gear reducer and is driven by axial piston variable displacement motor, the reducer is set with hydraulic release travel brake, safe and reliable. The left and right travel devices can be operated synchronously or separately to realize straight travel and turning.

Counterweight

- Turntable counterweight is 40t, load charts under different counterweight combinations are provided to meet different purchasing and lifting demands. Turntable counterweight is installed at the rear part of turntable, with five kinds of combinations:
 - ① Turntable counterweight 40t: counterweight tray 1 × 7t, left/right counterweight slabs 2 × 4.5t, 4 × 6t;
 - ② Turntable counterweight 31t: counterweight tray 1 × 7t, left/right counterweight slabs 4 × 6t;
 - ③ Turntable counterweight 19t: counterweight tray 1 × 7t, left/right counterweight slabs 2 × 6t;
 - ④ Turntable counterweight 7t: counterweight tray 1 × 7t;
 - ⑤ Turntable counterweight 0t.



Hook block

- There are 4 types of hooks available, and the specific parameters are as follows:

Name	Dead weight	Number of pulleys
100t hook (optional)	1.69t	5
80t hook	0.96t	3
32t hook (optional)	0.73t	1
13.5t hook	0.5t	—



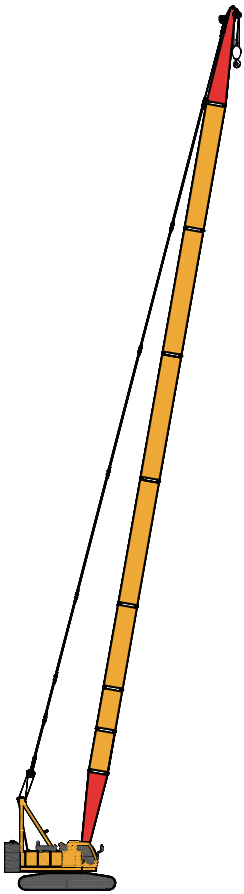
Safety device

- Safety devices include: LMI, main/auxiliary winch rope over-winding prevention device, main/auxiliary winch rope over-releasing prevention device, main boom luffing ratchet locking device, boom angle limiter, main boom/jib backstop systems, height mark lamp, anemometer, buzzer and warning lamp, emergency stop function, automatic fault diagnosis system, black box, etc.

Main technical parameters

Item		Unit	Parameters
Maximum rated lifting capacity		t	110
Maximum lifting moment		t·m	490
Operation mode combinations	Maximum main boom length	m	64
	Fixed jib length	m	19
	Maximum main boom and fixed jib combination length	m	52+19
	Boom end single pulley length	m	1.1
	Angle between main boom and fixed jib	°	1.1
Speed parameters	Hoisting winch maximum single rope speed	m/min	140
	Main boom luffing winch maximum single rope speed	m/min	75
	Maximum slewing speed	rpm	2.1
	Maximum travel speed	km/h	1.9
Weight of complete machine (13m basic boom, 80t hook, 40t turntable counterweight, 12t car-body counterweight)		t	98
Mean ground pressure		MPa	0.098
Grade ability		%	30

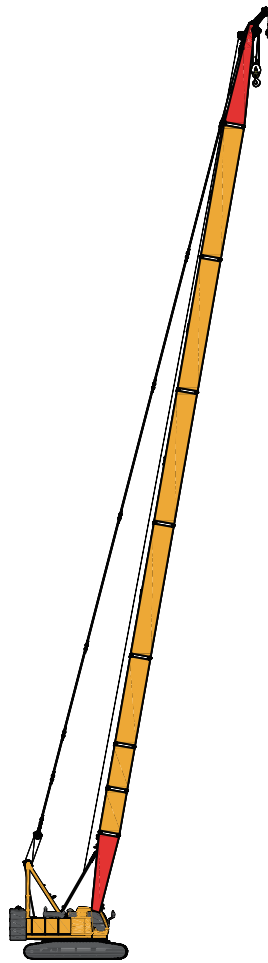
Operation modes and lifting performances



Main boom operation mode

HB

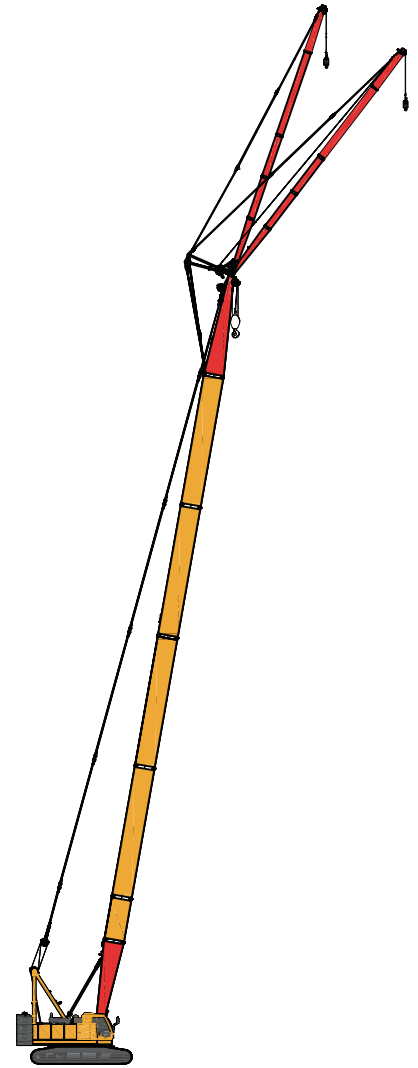
Main boom: 13~64 m



Boom end single pulley operation mode

HBS

Main boom: 13~64m
Single pulley: 1.1m



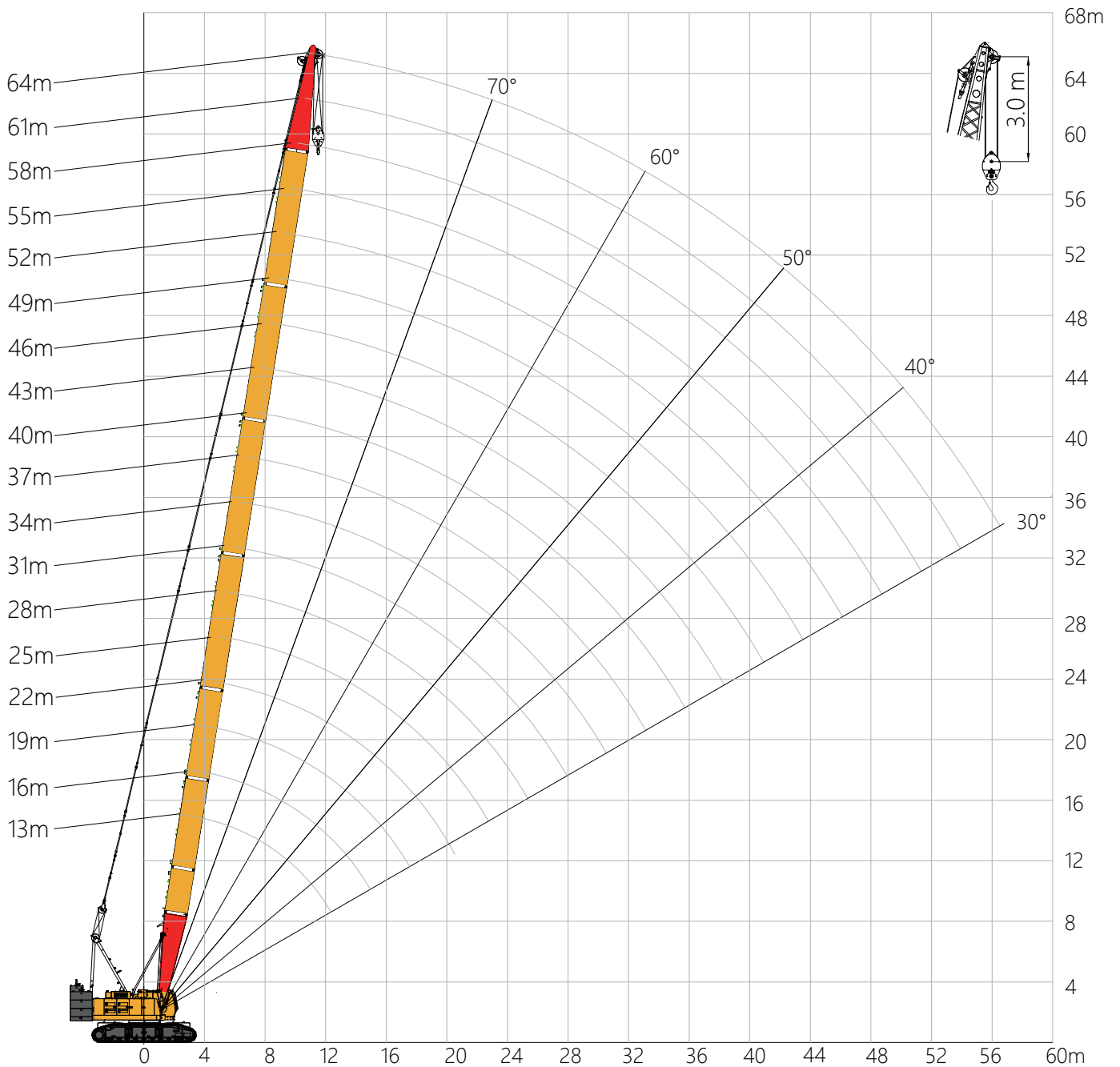
Fixed jib operation mode

HF

Main boom: 31 ~ 52 m
Fixed jib: 7~19m

HB

Main boom operation mode

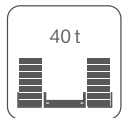
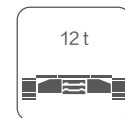


HB

Main boom combination

Length \ Boom code *	①	②	③	④	⑤
13m	1				1
16m	1	1			1
19m	1		1		1
22m	1	1	1		1
25m	1		2		1
28m	1	1		1	1
31m	1		1	1	1
34m	1	1	1	1	1
37m	1		2	1	1
40m	1	1	2	1	1
43m	1		1	2	1
46m	1	1	1	2	1
49m	1		2	2	1
52m	1	1	2	2	1
55m	1		1	3	1
58m	1	1	1	3	1
61m	1		2	3	1
64m	1	1	2	3	1

Note: see Operation Manual for details.
For boom code, please refer to page 28.

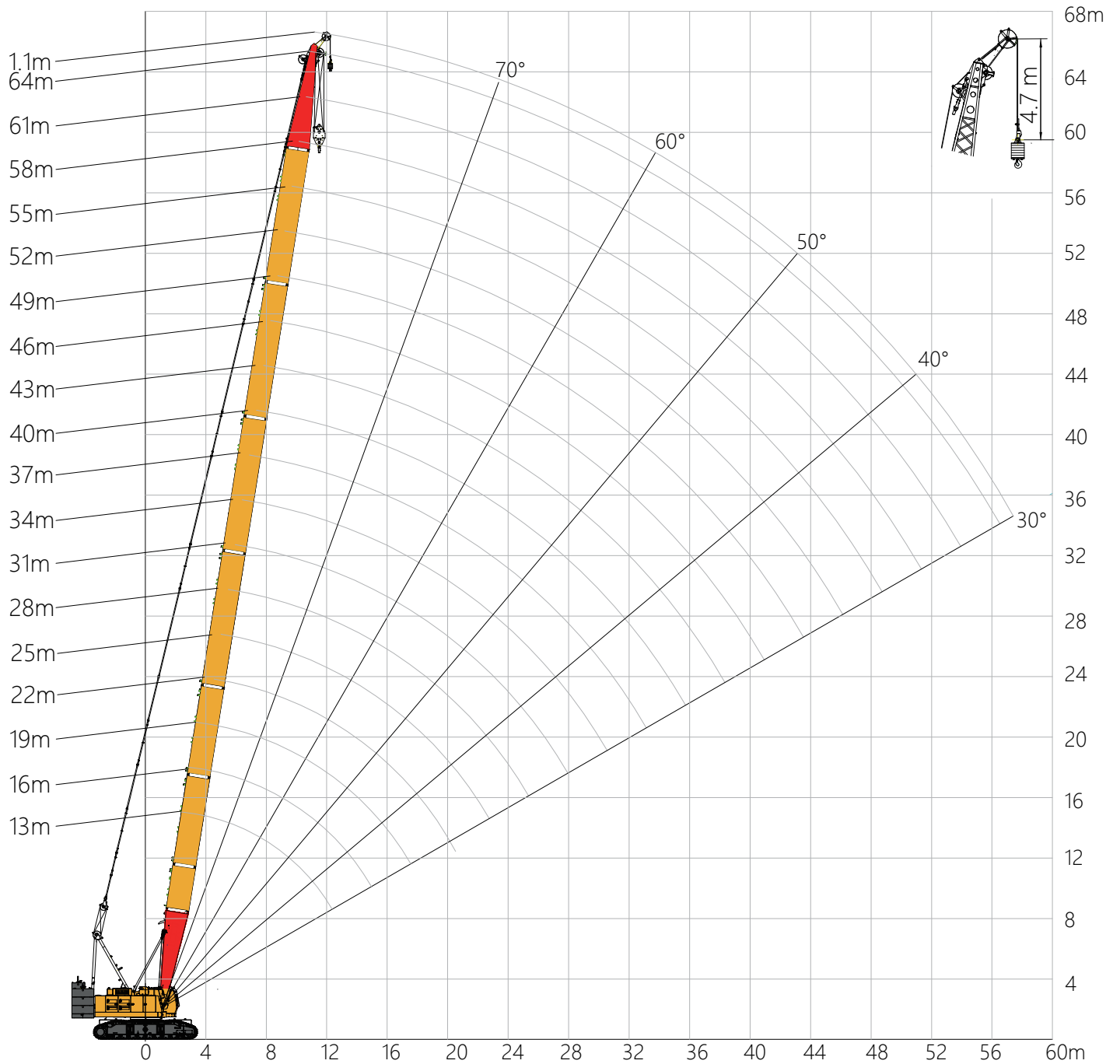


Main boom: 13~64 m

	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64
4	110	108																
5	98	97.8	95.6	92.5	91.3													
6	80.3	80.2	76.6	73.3	71.6	70												
7	65	64.9	63.9	63.4	61.6	59.7	57.8	55.9										
8	53.2	53.1	53	52.8	52.1	51.4	49.9	48.5	47.2	45.9	43.2							
9	44.9	44.8	44.8	44.7	44.6	44.1	43.6	42.7	41.6	40.6	39.5	36.7	35.7					
10	38.8	38.7	38.7	38.6	38.4	38.3	37.8	37.7	37.2	36.3	35.4	33	32.2	31.3	30.5	26.2		
12	30.4	30.3	30.2	30.1	30	29.9	29.8	29.6	29.5	28.8	28.1	27.4	26.8	26.1	25.4	24.8	24.2	22.5
14		24.8	24.7	24.6	24.5	24.4	24.2	24.1	24	23.8	23.7	23.3	22.8	22.2	21.7	21.1	20.6	20
16			20.8	20.7	20.6	20.5	20.3	20.2	20	19.9	19.8	19.6	19.5	19.2	18.7	18.3	17.8	17.3
18				17.8	17.6	17.5	17.4	17.2	17.1	17	16.8	16.7	16.6	16.4	16.2	16	15.6	15.1
20				15.5	15.4	15.3	15.1	15	14.8	14.7	14.6	14.4	14.3	14.1	14	13.8	13.6	13.4
22					13.6	13.5	13.3	13.2	13	12.9	12.7	12.6	12.5	12.3	12.2	12	11.8	11.6
24						12	11.9	11.7	11.6	11.4	11.3	11.1	11	10.8	10.7	10.5	10.3	10.2
26							10.7	10.5	10.4	10.2	10.1	9.9	9.8	9.6	9.5	9.3	9.1	8.9
28							9.6	9.5	9.3	9.2	9	8.9	8.7	8.6	8.4	8.2	8.1	7.9
30								8.6	8.4	8.3	8.1	8	7.8	7.7	7.5	7.3	7.2	7
32									7.7	7.5	7.4	7.2	7.1	6.9	6.8	6.6	6.4	6.2
34										6.9	6.7	6.5	6.4	6.2	6.1	5.9	5.7	5.6
36											6.1	6	5.8	5.6	5.5	5.3	5.1	5
38											5.6	5.4	5.3	5.1	5	4.8	4.6	4.4
40												5	4.8	4.6	4.5	4.3	4.1	4
42													4.4	4.2	4.1	3.9	3.7	3.5
44														3.8	3.7	3.5	3.3	3.2
46														3.5	3.3	3.2	3	2.8
48															3	2.8	2.7	2.5
50																2.5	2.4	2.2
52																	2.1	1.9
54																	1.9	1.7
56																		1.4

HBS

Boom end single pulley operation mode



HBS

Main boom combination

Length \ Boom code *	①	②	③	④	⑤
13m	1				1
16m	1	1			1
19m	1		1		1
22m	1	1	1		1
25m	1		2		1
28m	1	1		1	1
31m	1		1	1	1
34m	1	1	1	1	1
37m	1		2	1	1
40m	1	1	2	1	1
43m	1		1	2	1
46m	1	1	1	2	1
49m	1		2	2	1
52m	1	1	2	2	1
55m	1		1	3	1
58m	1	1	1	3	1
61m	1		2	3	1
64m	1	1	2	3	1

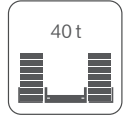
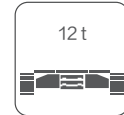
Note: see Operation Manual for details.
For boom code, please refer to page 28.


Boom end single pulley

Code*	⑩

Note: see Operation Manual for details.

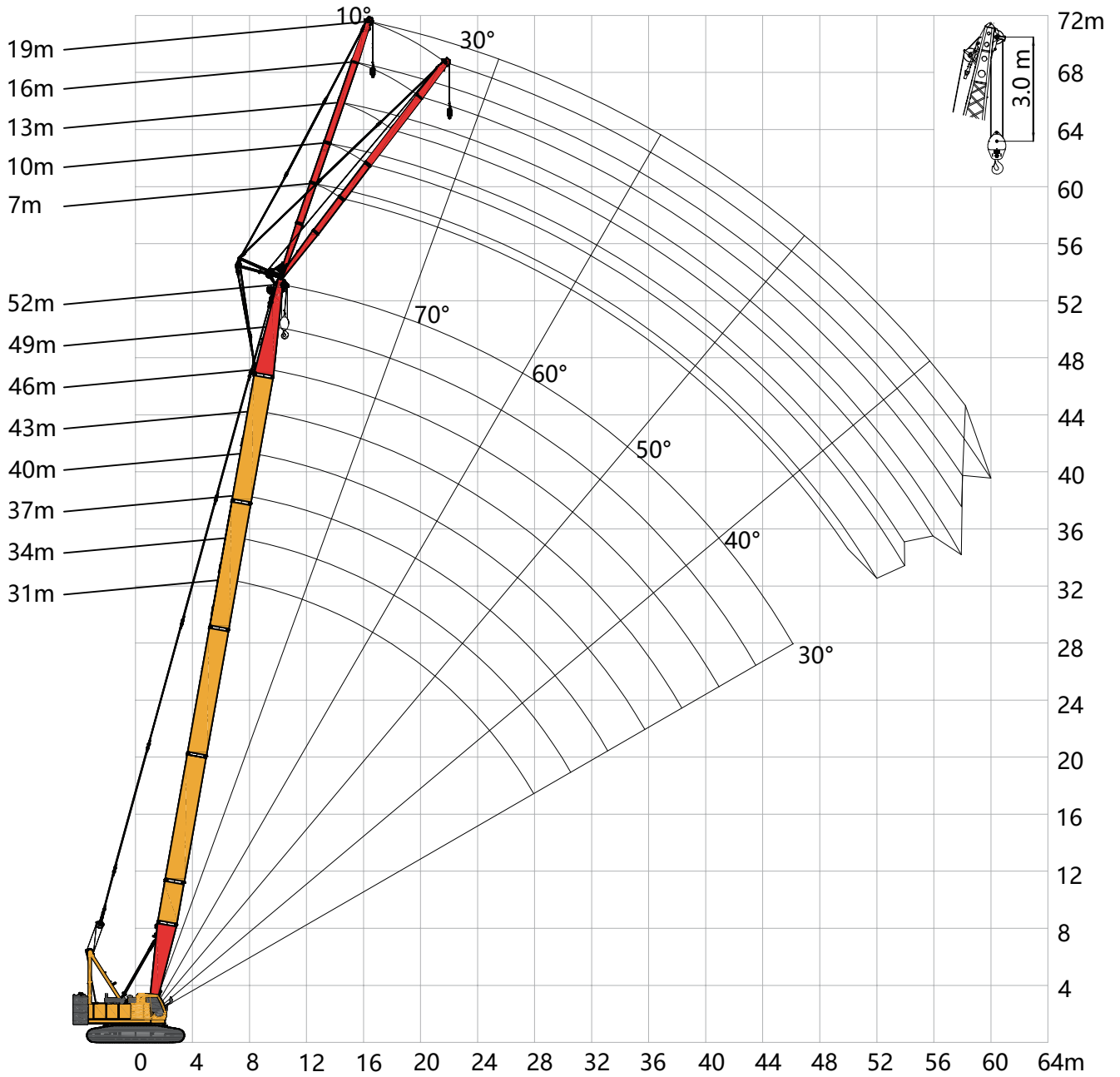
Main boom: 13~64m, boom end single pulley: 1.1m



 m	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64
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7	12.5	12.5	12.5	12.5	12.5	12.5												
8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5										
9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5								
10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5					
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
14		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18			12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20				12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
22					12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.2	12.1	11.9	11.9
24					12.2	12.1	11.9	11.8	11.6	11.5	11.3	11.2	11.1	10.9	10.8	10.6	10.4	10.4
26						10.8	10.7	10.5	10.4	10.3	10.1	10	9.8	9.6	9.5	9.3	9.1	9.2
28							9.7	9.5	9.4	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1	8.1
30								8.6	8.5	8.3	8.2	8	7.9	7.7	7.6	7.4	7.2	7.3
32								7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.8	6.6	6.4	6.5
34									7	6.9	6.7	6.6	6.4	6.3	6.1	5.9	5.7	5.8
36										6.3	6.1	6	5.8	5.7	5.5	5.3	5.1	5.2
38											5.6	5.5	5.3	5.1	5	4.8	4.6	4.7
40												5	4.8	4.7	4.5	4.3	4.1	4.2
42												4.6	4.4	4.2	4.1	3.9	3.7	3.8
44													4	3.8	3.7	3.5	3.3	3.4
46														3.5	3.4	3.1	2.9	3.1
48															3	2.8	2.6	2.7
50															2.7	2.5	2.3	2.5
52																2.3	2.1	2.2
54																	1.8	1.9
56																		1.7
58																		1.5

HF

Fixed jib operation mode



HF

Main boom combination

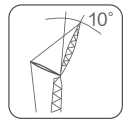
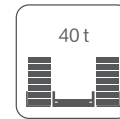
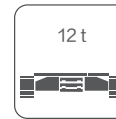
Boom code * Length	①	②	③	④	⑤
31m	1		1	1	1
34m	1	1		1	1
37m	1		2	1	1
40m	1	1	2	1	1
43m	1		1	2	1
46m	1	1	1	2	1
49m	1		2	2	1
52m	1	1	2	2	1

Note: see Operation Manual for details.
For boom code, please refer to page 28

Fixed jib combination

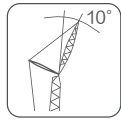
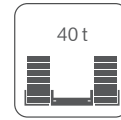
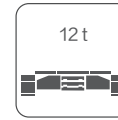
Jib code* Length	⑥	⑦	⑧	⑨
7m	1			1
10m	1	1		1
13m	1		1	1
16m	1	1	1	1
19m	1	2	1	1

Note: see Operation Manual for details.



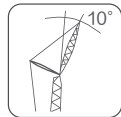
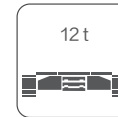
Main boom: 31~52m, fixed jib: 7m

	31	34	37	40	43	46	49	52
9	12.5							
10	12.5	12.5	12.5					
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
22	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
24	11.9	11.8	11.7	11.6	11.4	11.3	11.2	11.1
26	10.7	10.5	10.5	10.3	10.2	10.1	10	9.8
28	9.7	9.5	9.4	9.3	9.1	9	8.9	8.8
30	8.8	8.6	8.5	8.4	8.2	8.1	8	7.9
32	8	7.8	7.7	7.6	7.5	7.3	7.3	7.1
34	7.3	7.1	7.1	6.9	6.8	6.7	6.6	6.4
36		6.5	6.5	6.3	6.2	6.1	6	5.8
38			5.9	5.8	5.7	5.5	5.4	5.3
40			5.5	5.3	5.2	5	5	4.8
42				4.9	4.7	4.6	4.5	4.4
44					4.4	4.2	4.2	4
46						3.9	3.8	3.6
48							3.5	3.3
50							3.2	3
52								2.7



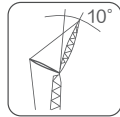
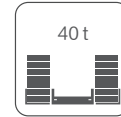
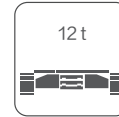
Main boom: 31~52m, fixed jib: 10m

m	31	34	37	40	43	46	49	52
12	12.5	12.5	12.5	12.5	12.5			
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
22	12	12.5	12.5	12.5	12.5	12.5	12.5	12.5
24	11.1	11.7	11.8	11.7	11.5	11.4	11.4	11.2
26	10.3	10.6	10.6	10.5	10.3	10.2	10.1	9.9
28	9.6	9.6	9.5	9.4	9.2	9.1	9	8.9
30	8.9	8.7	8.6	8.5	8.3	8.2	8.1	8
32	8.1	7.9	7.8	7.7	7.6	7.4	7.4	7.2
34	7.4	7.2	7.2	7	6.9	6.8	6.7	6.5
36	6.8	6.6	6.6	6.4	6.3	6.2	6.1	5.9
38		6.1	6	5.9	5.7	5.6	5.5	5.4
40		5.6	5.5	5.4	5.3	5.1	5.1	4.9
42			5.1	5	4.8	4.7	4.6	4.5
44				4.6	4.4	4.3	4.2	4.1
46					4.1	4	3.9	3.7
48					3.8	3.6	3.6	3.4
50						3.3	3.3	3.1
52							3	2.8
54								2.5



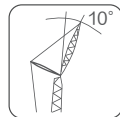
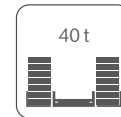
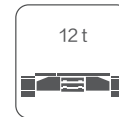
Main boom: 31~52m, fixed jib: 13m

m	31	34	37	40	43	46	49	52
12	12.5	12.5	12.5					
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	10.7	11.7	12.5	12.5	12.5	12.2	12.2	12.1
22	9.8	10.2	11.2	11.7	11.7	11.7	11.7	11.7
24	9	9.5	9.9	10.3	10.8	10.8	10.9	10.9
26	8.4	8.8	9.2	9.6	10	10.3	10.2	10.1
28	7.8	8.2	8.6	9	9.4	9.2	9.2	9
30	7.4	7.7	8.1	8.5	8.4	8.3	8.2	8.1
32	6.9	7.3	7.7	7.8	7.7	7.5	7.5	7.3
34	6.6	6.9	7.3	7.1	7	6.9	6.8	6.6
36	6.2	6.6	6.7	6.5	6.4	6.3	6.2	6
38	5.9	6.2	6.1	6	5.8	5.7	5.6	5.5
40	5.7	5.7	5.6	5.5	5.4	5.2	5.1	5
42		5.3	5.2	5.1	4.9	4.8	4.7	4.5
44			4.8	4.7	4.5	4.4	4.3	4.2
46				4.3	4.2	4	4	3.8
48				4	3.8	3.7	3.6	3.5
50					3.5	3.4	3.3	3.2
52						3.1	3.1	2.9
54							2.8	2.6
56							2.6	2.4
58								2.2



Main boom: 31~52m, fixed jib: 16m

	31	34	37	40	43	46	49	52
12	12.5							
14	11.8	12.1	12.1	12.1	12.1			
16	10.6	11.5	11.6	11.7	11.7	11.6	11.6	11.5
18	9.6	10.9	11.1	11.2	11.3	11.3	11.2	11.2
20	9.1	10.2	10.6	10.8	10.9	10.9	10.9	10.9
22	8.5	9.3	9.7	10.2	10.5	10.3	10.6	10.6
24	7.8	8.6	9	9.4	9.7	9.6	9.9	10.2
26	7.2	7.9	8.3	8.7	9	9	9.3	9.5
28	6.8	7.1	7.4	7.7	7.8	7.8	7.9	8.5
30	6.3	6.6	7	7.3	7.5	7.6	7.7	8.1
32	5.9	6.2	6.5	6.8	7.1	7.4	7.5	7.4
34	5.6	5.9	6.2	6.5	6.7	6.9	6.8	6.7
36	5.3	5.6	5.9	6.1	6.4	6.3	6.2	6.1
38	5	5.3	5.6	5.8	5.9	5.8	5.7	5.5
40	4.8	5	5.3	5.5	5.4	5.3	5.2	5
42	4.6	4.8	5	5.1	5	4.8	4.8	4.6
44		4.6	4.8	4.7	4.6	4.4	4.4	4.2
46			4.5	4.4	4.2	4.1	4	3.8
48			4.2	4	3.9	3.8	3.7	3.5
50				3.7	3.6	3.5	3.4	3.2
52					3.3	3.2	3.1	2.9
54						2.9	2.8	2.7
56						2.7	2.6	2.4
58							2.4	2.2
60								2



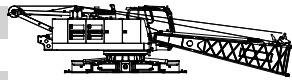
Main boom: 31~52m, fixed jib: 19m

	31	34	37	40	43	46	49	52
14	9.6	9.6	9.7	9.7				
16	9.1	9.2	9.3	9.3	9.3	9.3	9.3	
18	8.7	8.8	8.9	8.9	9	9	9	8.9
20	8.2	8.4	8.5	8.6	8.6	8.7	8.7	8.7
22	7.7	8	8.1	8.2	8.3	8.4	8.4	8.4
24	7.1	7.7	7.8	7.9	8	8.1	8.1	8.1
26	6.6	7.1	7.5	7.6	7.7	7.8	7.9	7.9
28	6.1	6.6	6.9	7.3	7.4	7.5	7.6	7.7
30	5.7	6.2	6.5	6.8	7.1	7	7.3	7.4
32	5.4	5.8	6.1	6.3	6.6	6.6	6.8	6.8
34	5	5.2	5.5	5.7	5.9	6.2	6.4	6.5
36	4.7	4.9	5.2	5.4	5.6	5.8	6.1	6.1
38	4.4	4.7	4.9	5.1	5.3	5.5	5.7	5.5
40	4.2	4.4	4.6	4.8	5.1	5.3	5.2	5.1
42	4	4.2	4.4	4.6	4.8	4.9	4.8	4.6
44	3.8	4	4.2	4.4	4.6	4.5	4.4	4.2
46	3.6	3.8	4	4.2	4.2	4.1	4	3.9
48		3.7	3.8	4	3.9	3.8	3.7	3.5
50			3.7	3.8	3.6	3.5	3.4	3.2
52				3.5	3.3	3.2	3.1	3
54					3.1	3	2.9	2.7
56					2.8	2.7	2.6	2.5
58						2.5	2.4	2.2
60							2.2	2
62								1.8

Dimensions of transported components

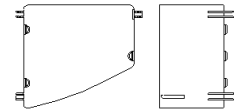
Basic crane transport plan I

Length	13600 mm
Width	3400 mm
Height	3100 mm
Weight	23500 kg
Qty.	1



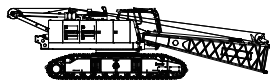
6t counterweight slab

Length	1630 mm
Width	1342 mm
Height	951 mm
Weight	6000 kg
Qty.	2



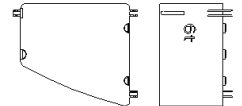
Basic crane transport plan II

Length	13600 mm
Width	3420 mm
Height	3500 mm
Weight	44700 kg
Qty.	1



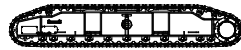
6t counterweight slab

Length	1630 mm
Width	1342 mm
Height	951 mm
Weight	6000 kg
Qty.	2



Track frame

Length	6650 mm
Width	1150 mm
Height	1230 mm
Weight	9800 kg
Qty.	2



Car-body counterweight slab

Length	2136 mm
Width	1400 mm
Height	927 mm
Weight	6000 kg
Qty.	2



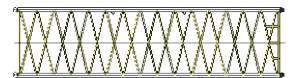
7t turntable counterweight tray

Length	5100 mm
Width	1450 mm
Height	829 mm
Weight	7000 kg
Qty.	1



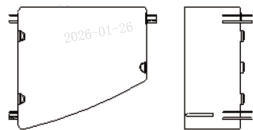
Main boom insert 12m

Length	1213 mm
Width	1850 mm
Height	1600 mm
Weight	1200 kg
Qty.	3



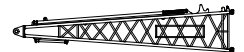
4.5t counterweight slab

Length	1630 mm
Width	1342 mm
Height	746 mm
Weight	4500 kg
Qty.	1



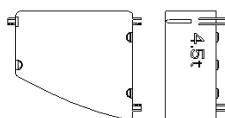
Main boom butt 6.5m

Length	6670 mm
Width	1850 mm
Height	1850 mm
Weight	1200 kg
Qty.	1



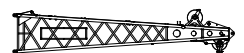
4.5t counterweight slab

Length	1630 mm
Width	1342 mm
Height	746 mm
Weight	4500 kg
Qty.	1



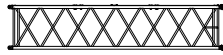
Main boom top 6.5m

Length	7200 mm
Width	1790 mm
Height	1750 mm
Weight	1300 kg
Qty.	1



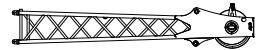
Main boom insert 6m

Length	6130 mm
Width	1850 mm
Height	1600 mm
Weight	750 kg
Qty.	2



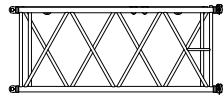
Fixed jib top

Length	3400 mm
Width	800 mm
Height	610 mm
Weight	290 kg
Qty.	1



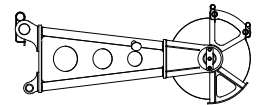
Main boom insert 3m

Length	3130 mm
Width	1850 mm
Height	1600 mm
Weight	400 kg
Qty.	2



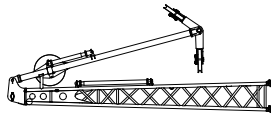
Boom end single pulley

Length	1400 mm
Width	810 mm
Height	562 mm
Weight	130 kg
Qty.	1



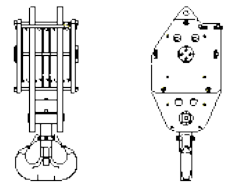
Fixed jib butt

Length	4110 mm
Width	840 mm
Height	1680 mm
Weight	590 kg
Qty.	1



100t hook block (optional)

Length	1670 mm
Width	760 mm
Height	705 mm
Weight	1670 kg
Qty.	1



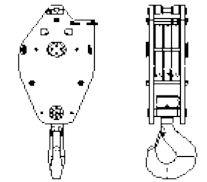
Fixed jib insert 3m

Length	3060 mm
Width	800 mm
Height	610 mm
Weight	207 kg
Qty.	2



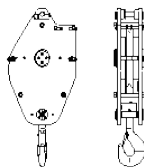
80t hook block

Length	760 mm
Width	418 mm
Height	1998 mm
Weight	960 kg
Qty.	1



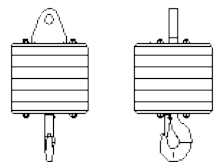
32t hook block

Length	760 mm
Width	350 mm
Height	1628 mm
Weight	730 kg
Qty.	1



13.5t hook block

Length	485 mm
Width	485 mm
Height	787 mm
Weight	500 kg
Qty.	1



**Basic crane transport plan III
(with main boom butt,
carbody counterweight and
crawlers)**

Length	13560 mm
Width	3500 mm
Height	3580 mm
Weight	59000 kg
Qty.	1



Symbols

	Working radius		Rear counterweight
	Angle between main boom and fixed jib		Rated lifting capacity
	Maximum main boom length		Maximum main boom and jib combination length
	Car-body counterweight		

Main boom/jib code

No	Name	Length (m)	No	Name	Length (m)
①	Main boom butt	6.5	⑥	Fixed jib butt	4
②	3m insert section	3	⑦	3m insert section	3
③	6m insert section	6	⑧	6m insert section	6
④	12m insert section	12	⑨	Fixed jib top	3
⑤	Main boom top	6.5	⑩	Boom end single pulley	1.1

Construction cases



XLC110MC

Crawler crane

Due to the need for continuous product improvement, we reserve the right to make changes to product models, parameters and configurations. For the latest technical information of the product, please consult your sales manager.

The pictures are for reference only, and the specific product is subject to the actual product. The product in the picture may not be standard configuration, and some components may need to be purchased separately.



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XCMG CRANE



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