



CRAWLER CRANE

XGC100A



100t



61m



71m



V.1_2025

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.



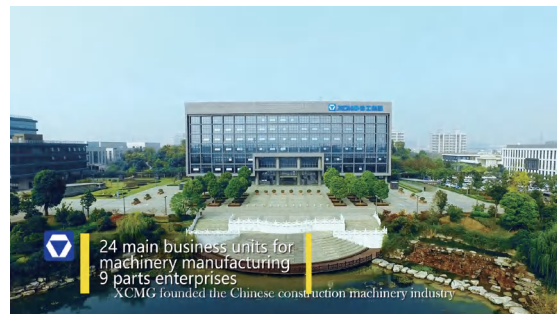


Research centers

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



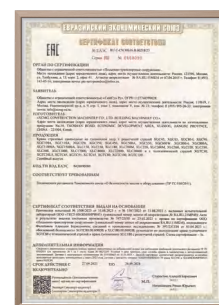
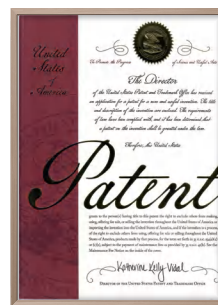
XCMG Australian R&D Center

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 which 89 are overseas authorized patents) and valid software copyrights 165



Intelligent manufacturing



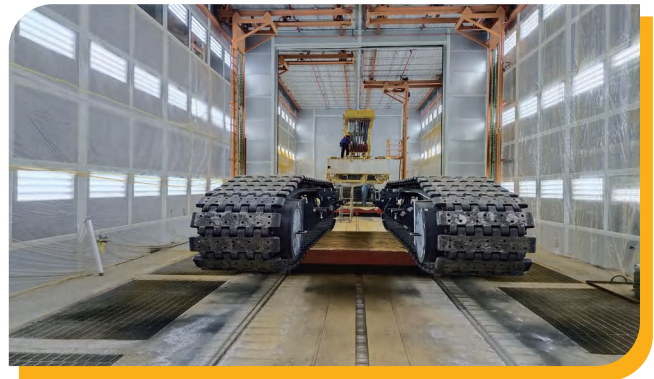
Welding robot



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

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01 Leading technology

Integrated main valve

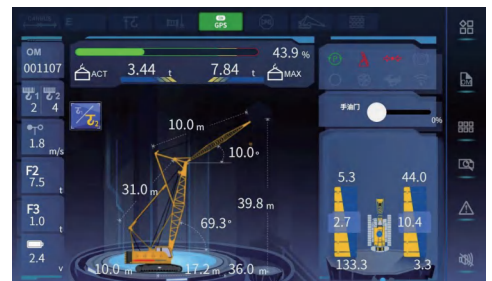
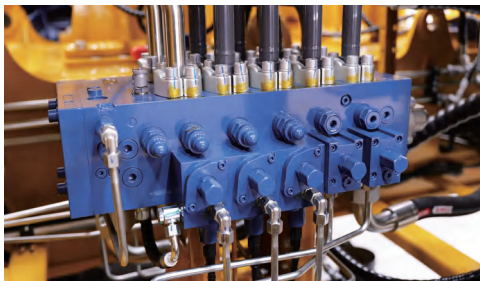
- ▶ Hydraulic main valve is highly integrated, with less oil leakage points and higher reliability in quality.

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

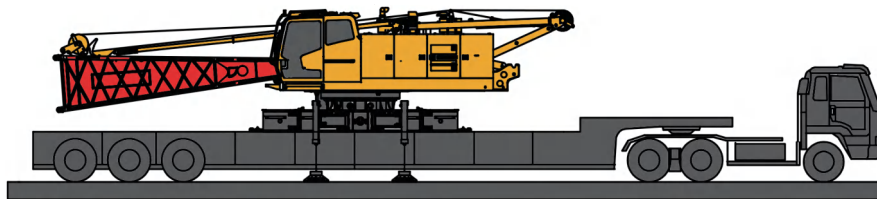
- ▶ All-in-one control system is intelligent, safe and reliable, it can display parameters such as lifting weight, ground pressure and boom length in real time.



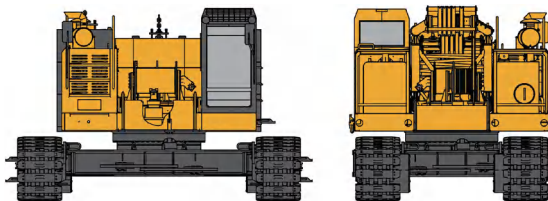
02 Low operating cost

Convenient transportation and assembly

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



Lengthened outrigger design



Retractable track frames

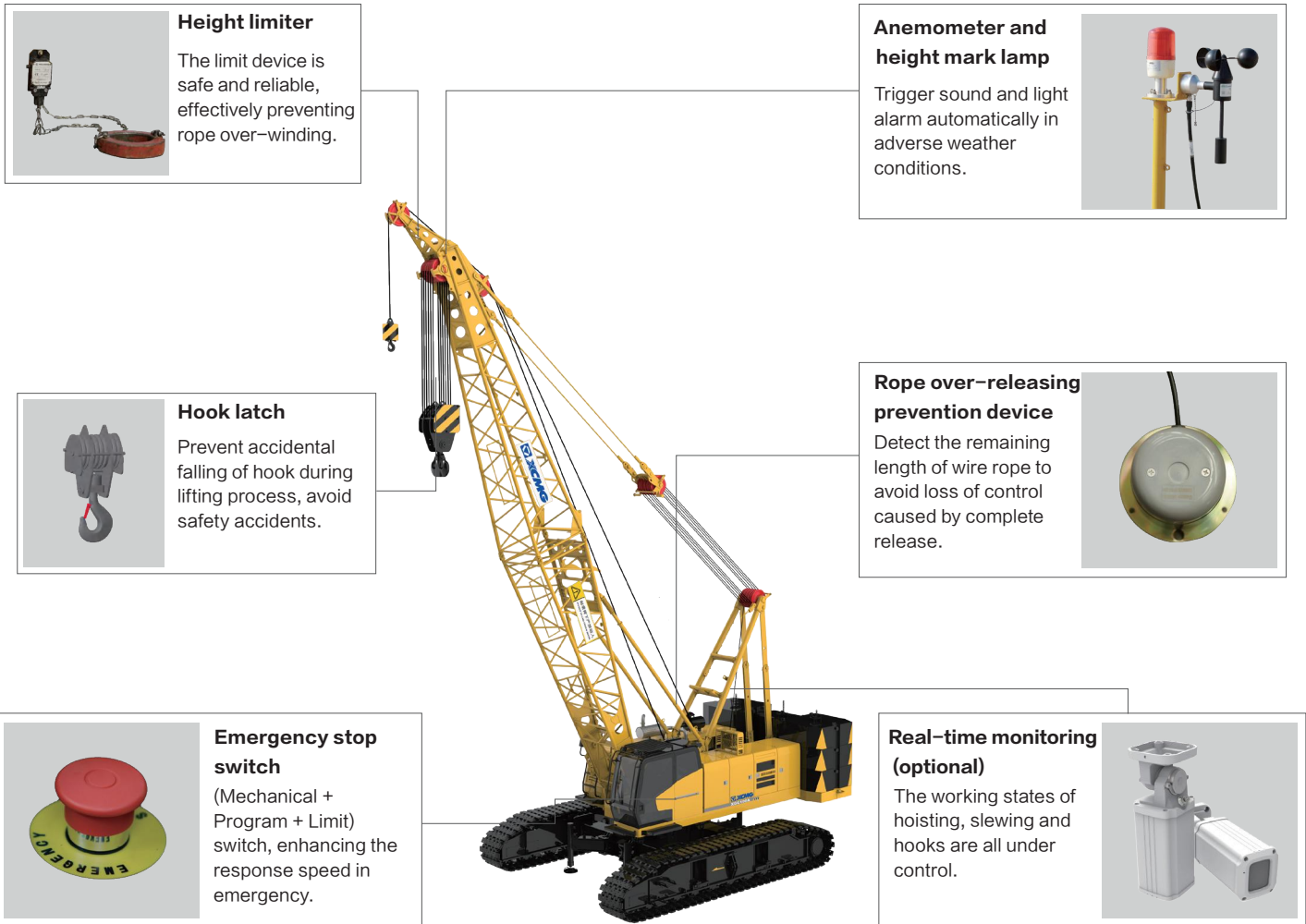
Modular design of components

- ▶ Fixed jib, boom single top, counterweight and hooks for cranes under 100 tons on the same product platform are interchangeable, which significantly reduces the purchase cost 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.



04 Exclusive comfort

Human-machine collaboration, saving time and labor

Large-view cab, excellent operating experience

- ▶ Ultra-wide cab and suspension seat, providing a more comfortable driving and operating experience.
- ▶ The glass area is increased by 10%, providing a wider field of vision.



- ▶ Wires and pipes inside the crane are neatly arranged, allowing for quick fault identification and troubleshooting, reducing downtime.



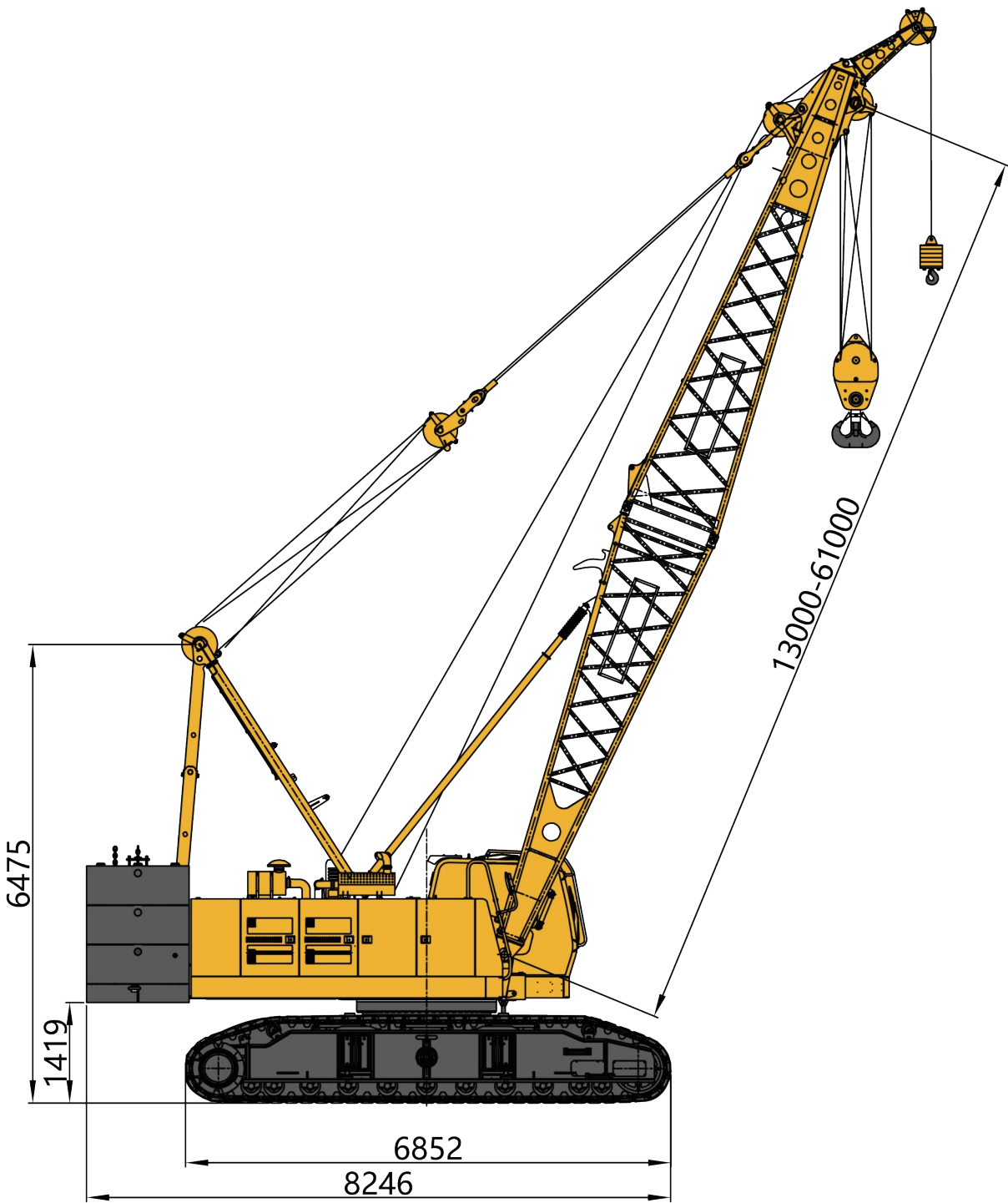
- ▶ Highly integrated control panels, which support one-click operation, improving the working efficiency.

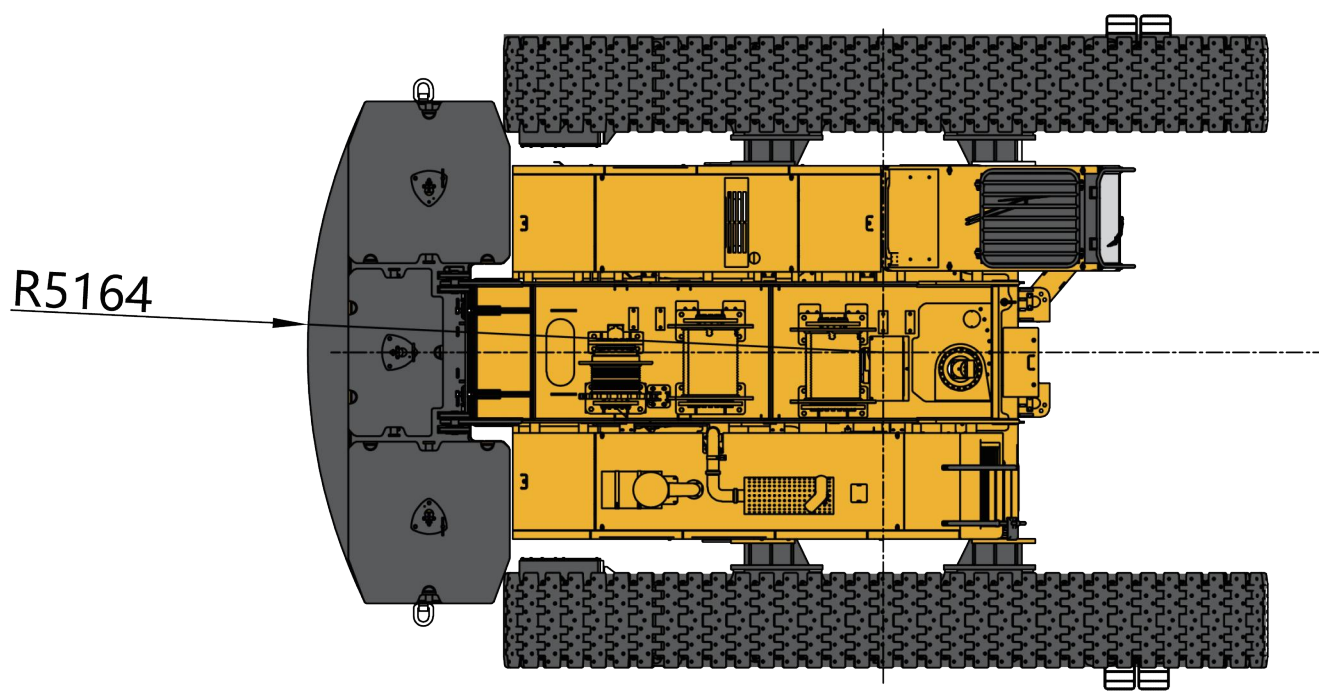
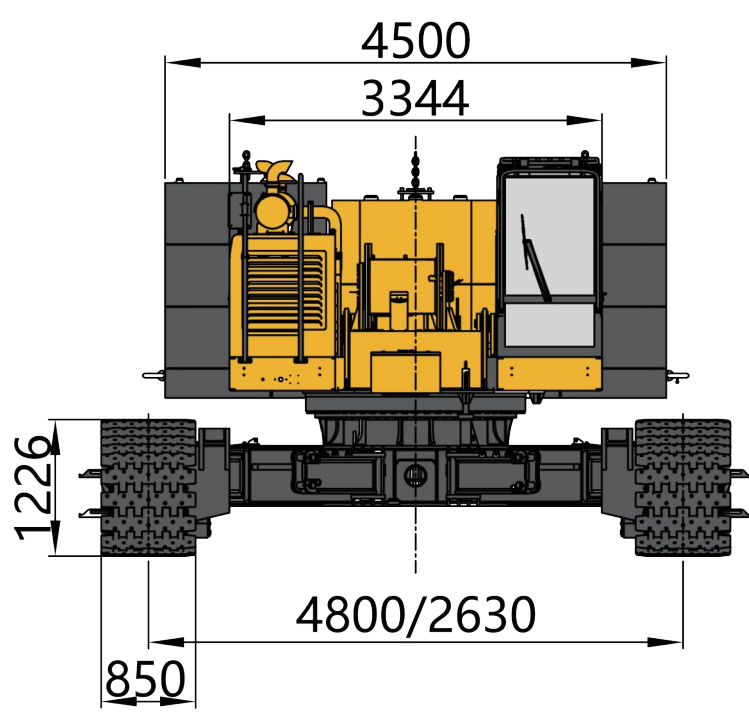


- ▶ Air conditioner with independent condenser and multi-duct, the temperature in the cab can be adjusted quickly, creating a comfortable working environment.



Dimension parameters





Technical specifications



Engine

- Model: Cummins QSL8.9
- Emission standard: Euro III
- Rated power: 242kW/2100rpm
- Fuel tank capacity: 400L



Hydraulic system

- Hydraulic system includes hoisting, luffing, slewing, traveling and auxiliary systems.
- Hydraulic pilot proportional control LUDV load sensing system, with features of accurate speed, sensitive operation and good fine motion performance. Special LUDV integrated main valve can achieve the compound operation of multiple movements, compact in structure and easy for maintenance.
- It can realize various compound actions, and has automatic direction change function during travel operation. To monitor the running state and diagnose the system failure, pressure measuring joint is set at the feature points of hydraulic system to improve the convenience for use, maintenance and repair of the crane.
- Maximum system pressure: 35MPa
Hydraulic oil tank capacity: 400L



Control system

- Electrical system: it is a fully electronic control integrated system. The core control network is built on the basis of CAN bus technology, including engine control, hydraulic system proportional adjustment, auxiliary equipment drive, LMI and safety monitoring modules.
- Display screen: 8-inch color LCD screen, data such as engine parameters, lifting weight, boom length and boom angle are shown in real time.



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	500 mm
	Rope diameter	22 mm
	Winch rope length	240 m
	Rated single line pull	8 t

Auxiliary hoisting system	Drum diameter	500 mm
	Rope diameter	22 mm
	Winch rope length	155 m
	Rated single line pull	8 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	442 mm
	Rope diameter	20 mm
	Winch rope length	140 m
	Rated single line pull	6 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

- Rear counterweight: seven kinds of combinations: 7t, 10t, 17t, 24t, 27t, 31t and 34t, rear counterweight composition:
 - ①Rear counterweight 7t: counterweight tray 1 × 7t
 - ②Rear counterweight 10t: counterweight tray 1 × 7t, counterweight slab 1 × 3t
 - ③Rear counterweight 17t: counterweight tray 1 × 7t, counterweight slab 2 × 3.5t+1 × 3t
 - ④Rear counterweight 24t: counterweight tray 1 × 7t, counterweight slab 4 × 3.5t+1 × 3t
 - ⑤Rear counterweight 27t: counterweight tray 1 × 7t, counterweight slab 4 × 3.5t+2 × 3t
 - ⑥Rear counterweight 31t: counterweight tray 1 × 7t, counterweight slab 6 × 3.5t+1 × 3t
 - ⑦Rear counterweight 34t: counterweight tray 1 × 7t, counterweight slab 6 × 3.5t+2 × 3t



Hook block

- There are 5 types of hooks available, and the specific parameters are as follows:

Name	Dead weight	Number of pulleys
100t hook (optional)	0.96t	7
75t hook (optional)	0.89t	7
55t hook	0.82t	5
35t hook (optional)	0.46t	3
8t hook	0.25t	—



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.



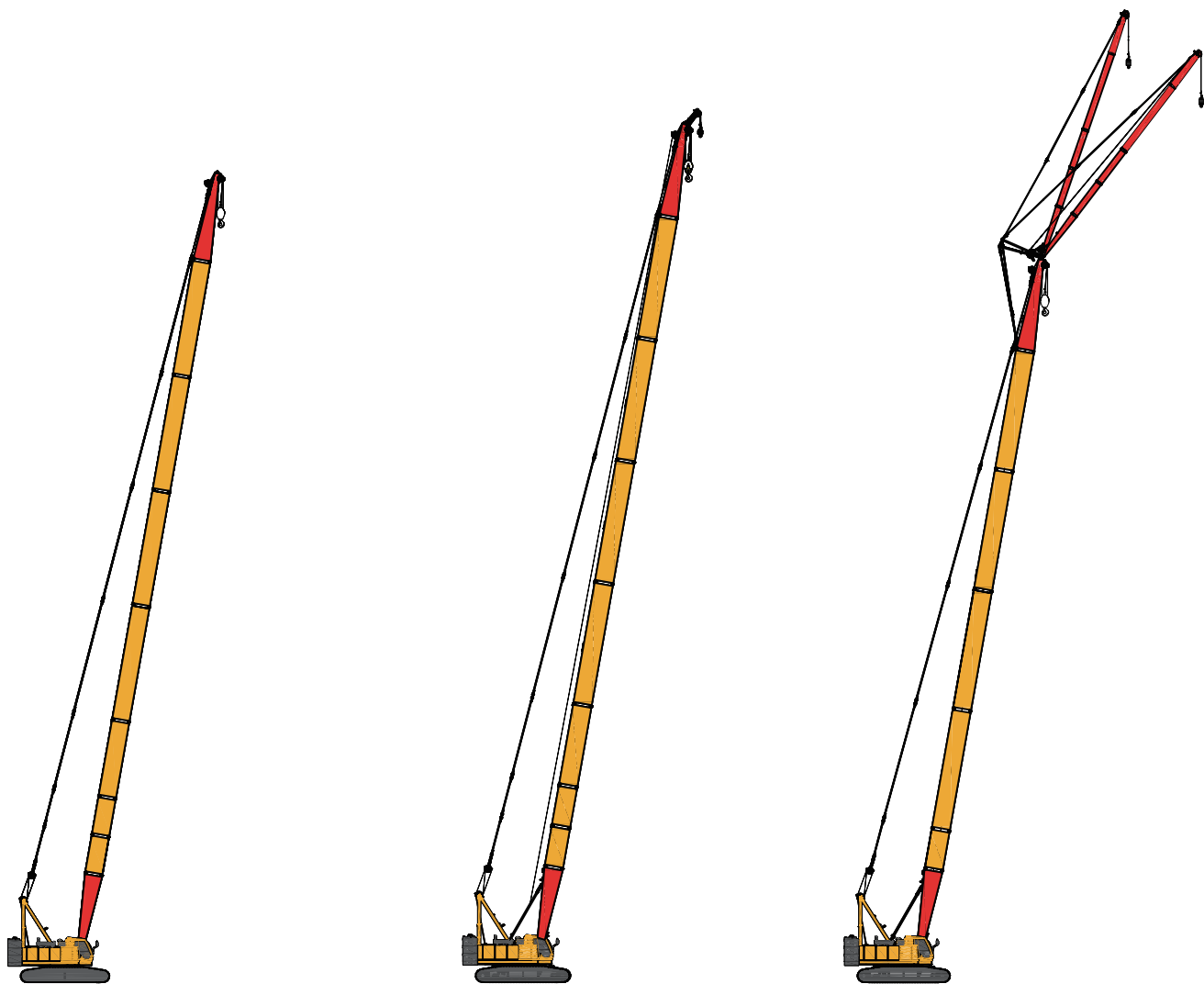
Outrigger cylinder (optional)

- Four outrigger cylinders (optional) can be installed to realize the lifting of the basic machine, providing convenience for the disassembly and assembly of the tracks.

Main technical parameters

Item		Unit	Parameters
Maximum rated lifting capacity		t	100
Maximum lifting moment		t·m	425
Operation mode combinations	Maximum main boom length	m	61
	Main boom luffing angle	°	-3 ~ 80.5
	Maximum fixed jib length	m	19
	Angle between main boom and fixed jib	°	10/30
Speed parameters	Boom end single pulley length	m	1.1
	Hoisting winch maximum single rope speed	m/min	122
	Main boom luffing winch maximum single rope speed	m/min	70
	Maximum slewing speed	rpm	1.8
	Maximum travel speed	km/h	1.0
Weight of the complete machine (13m basic boom, 100t hook)		t	81.2
Mean ground pressure		MPa	0.079
Grade ability		%	30

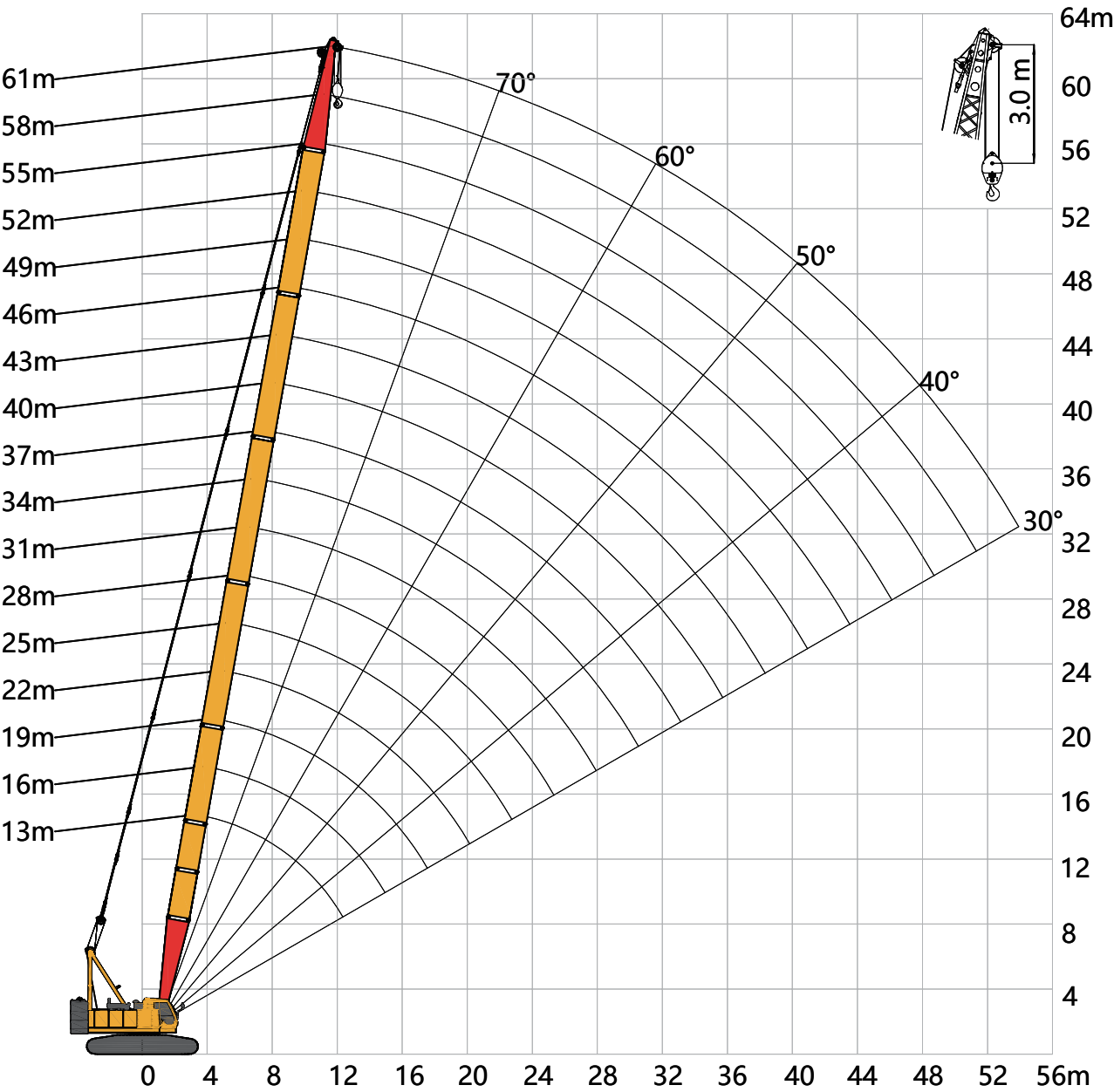
Operation modes and lifting performances



Main boom operation mode HB	Boom end single pulley operation mode HBS	Fixed jib operation mode HF
Main boom:13~61 m	Main boom:13~61 m Single pulley:1.1 m	Main boom:31 ~ 52 m Fixed jib:7~19 m

HB

Main boom operation mode



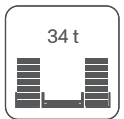
HB

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	1		1	1
28m	1		1	1	1
31m	1	1	1	1	1
34m	1	1		2	1
37m	1		1	2	1
40m	1	1	1	2	1
43m	1	1		3	1
46m	1		1	3	1
49m	1	1	1	3	1
52m	1	1		4	1
55m	1		1	4	1
58m	1	1	1	4	1
61m	1	2	1	4	1

Note: see Operation Manual for details.

* For boom code, please refer to page 28.



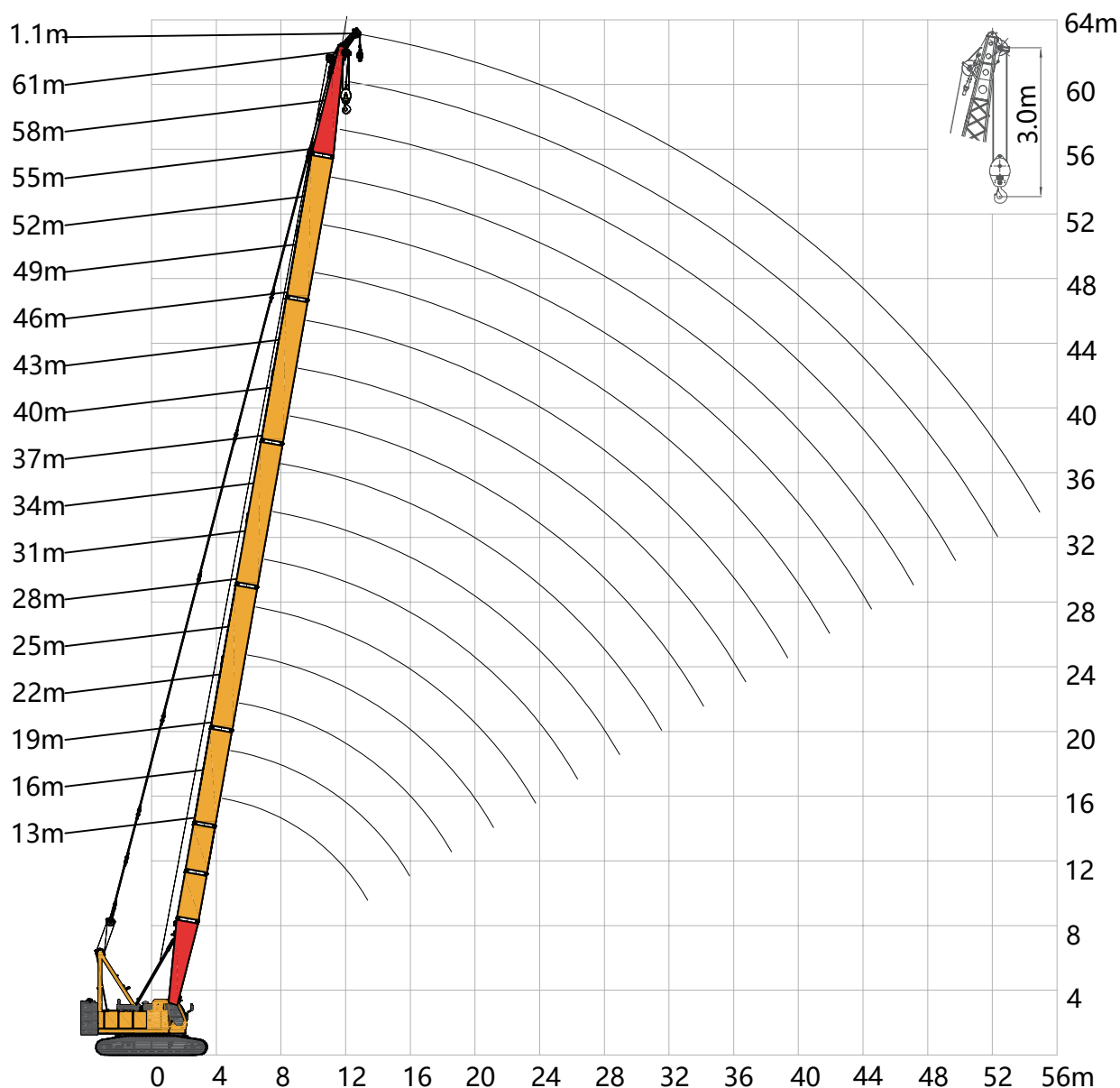
Main boom:13~61 m

	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61
6				62.6	60.0												
7			54.4	52.4	50.4	48.6	47.0										
8		45.3	45.3	44.9	43.4	42.1	41.0	39.4	38.2								
9	38.3	38.2	38.1	38.1	38.0	37.0	35.9	34.9	33.9	33.0	31.6						
10	33.0	32.9	32.9	32.8	32.7	32.6	32.0	31.1	30.3	29.5	28.7	26.9	23.5				
12	25.8	25.7	25.6	25.5	25.4	25.4	25.3	25.1	25.0	24.3	23.7	23.1	22.5	19.7	17.4	15.4	
14		20.9	20.9	20.8	20.7	20.6	20.5	20.4	20.3	20.2	20.0	19.6	19.1	18.6	16.6	14.7	13.1
16			17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.6	16.5	16.4	16.1	15.7	14.1	12.5
18				14.9	14.8	14.7	14.6	14.5	14.4	14.3	14.1	14.0	13.9	13.7	13.6	13.3	12.0
20				13.0	12.9	12.8	12.7	12.5	12.4	12.3	12.2	12.1	11.9	11.8	11.7	11.5	11.3
22					11.3	11.2	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.2	10.1	9.9	9.8
24						10.0	9.9	9.7	9.6	9.5	9.3	9.2	9.1	9.0	8.8	8.7	8.5
26							8.8	8.7	8.6	8.5	8.3	8.2	8.1	7.9	7.8	7.9	7.4
28							7.9	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7	6.5
30								7.0	6.9	6.8	6.6	6.5	6.4	6.3	6.1	6.0	5.8
32									6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.3	5.1
34										5.6	5.4	5.3	5.2	5.0	4.9	4.7	4.5
36											4.9	4.8	4.7	4.5	4.4	4.2	4.0
38											4.5	4.3	4.2	4.1	3.9	3.8	3.6
40												3.9	3.8	3.7	3.5	3.4	3.2
42													3.5	3.3	3.2	3.0	2.8
44														3.0	2.8	2.7	2.5
46														2.7	2.5	2.4	2.2
48															2.3	2.1	1.9
50																1.8	1.6
52																	1.4

Note: using 27t rear counterweight and 13m main boom can realize the lifting capacity of 100t.

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	1		1	1
28m	1		1	1	1
31m	1	1	1	1	1
34m	1	1		2	1
37m	1		1	2	1
40m	1	1	1	2	1
43m	1	1		3	1
46m	1		1	3	1
49m	1	1	1	3	1
52m	1	1		4	1
55m	1		1	4	1
58m	1	1	1	4	1
61m	1	2	1	4	1

Note: see Operation Manual for details.

* For boom code, please refer to page 28.

Combination

Code*	⑩
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Note: see Operation Manual for details.

Main boom: 13~61m
boom end single pulley: 1.1m
(main hook is used to lift load)



	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61
6				61.9	59.3												
7		54.9	53.8	51.7	49.8	48.0	46.3										
8	44.8	44.7	44.7	44.3	42.8	41.4	40.1	38.7	37.6								
9	37.7	37.6	37.6	37.5	37.4	36.3	35.3	34.2	33.2	32.3	31.3						
10	32.4	32.3	32.3	32.2	32.1	31.4	30.5	29.7	28.9	28.1	26.4	23.0					
12	25.2	25.1	25.1	25.0	24.9	24.8	24.7	24.6	24.3	23.7	23.1	22.5	22.0	19.2	17.0	15.0	
14		20.4	20.3	20.2	20.1	20.0	19.9	19.8	19.7	19.6	19.4	19.0	18.5	18.0	16.1	14.4	12.8
16			17.0	16.9	16.8	16.7	16.6	16.4	16.3	16.2	16.1	16.0	15.9	15.5	15.1	13.6	12.2
18				14.4	14.3	14.2	14.1	13.9	13.8	13.7	13.6	13.5	13.4	13.2	13.1	12.7	11.5
20				12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.6	11.5	11.4	11.2	11.1	11.0	10.7
22					10.8	10.7	10.6	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.4	9.2
24						9.4	9.3	9.2	9.1	9.0	8.8	8.7	8.6	8.4	8.3	8.1	8.0
26							8.3	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.1	6.9
28							7.4	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.0
30								6.5	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.4	5.2
32									5.7	5.6	5.5	5.3	5.2	5.1	4.9	4.8	4.6
34										5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.0
36											4.4	4.3	4.1	4.0	3.9	3.7	3.5
38											3.9	3.8	3.7	3.5	3.4	3.2	3.0
40												3.4	3.3	3.1	3.0	2.8	2.6
42													2.9	2.8	2.6	2.5	2.3
44														2.4	2.3	2.1	1.9
46														2.1	2.0	1.8	1.6
48															1.7	1.5	1.4
50																1.3	1.1

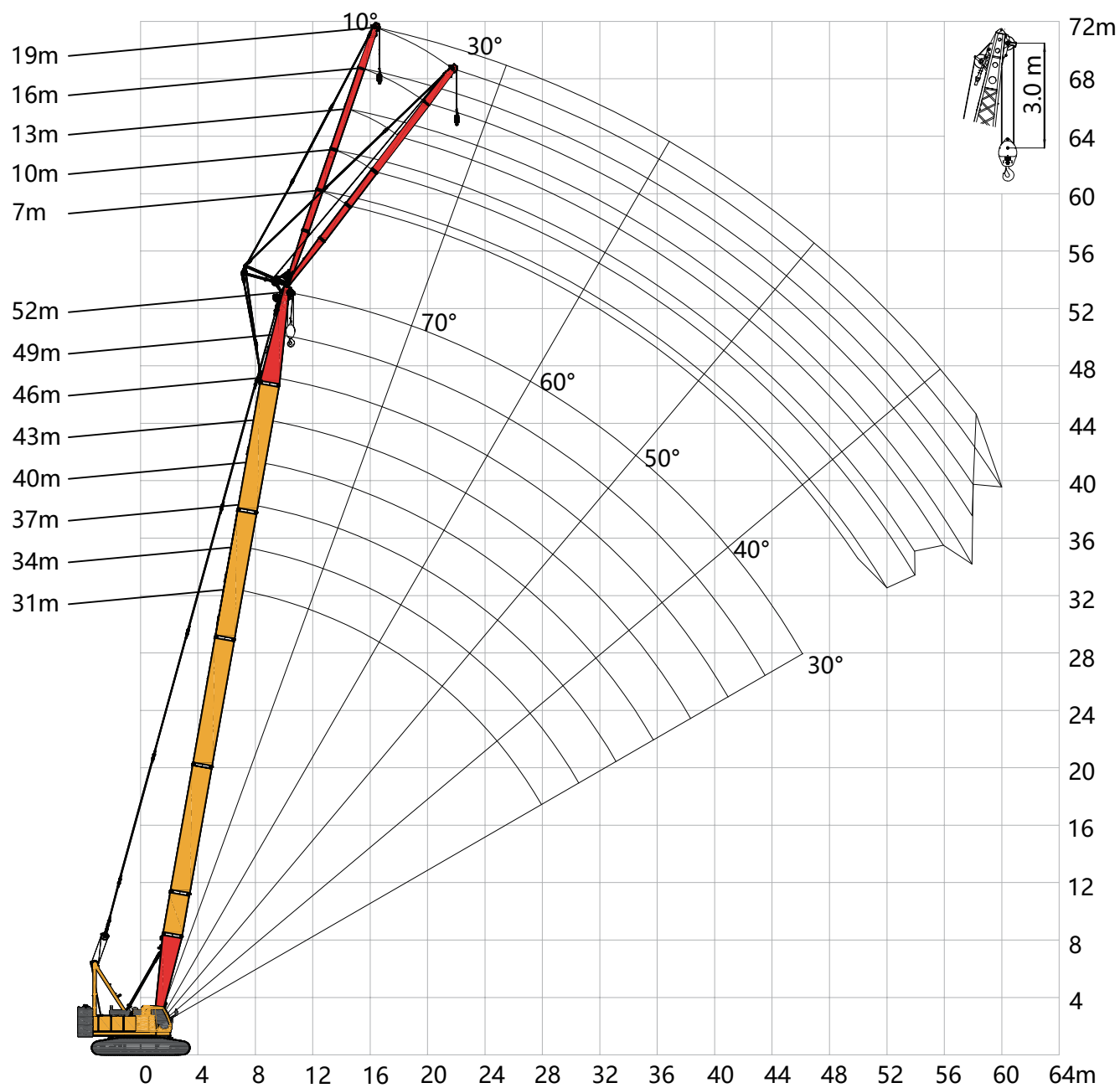
Main boom: 13~61m
boom end single pulley: 1.1m
(auxiliary hook is used to lift load)



	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61
6		8.0	8.0	8.0													
7	8.0	8.0	8.0	8.0	8.0	8.0											
8	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0									
9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0							
10	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0					
12	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0		
14		8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
16		8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
18			8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
20				8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
22					8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
24					8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.6	7.5	7.3
26						7.7	7.6	7.5	7.4	7.2	7.1	7.0	6.9	6.7	6.6	6.4	6.2
28							6.7	6.6	6.5	6.4	6.2	6.1	6.0	5.8	5.7	5.5	5.3
30								5.8	5.7	5.6	5.4	5.3	5.2	5.0	4.9	4.7	4.5
32								5.1	5.0	4.9	4.8	4.7	4.5	4.4	4.2	4.1	3.9
34									4.5	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.3
36										3.8	3.7	3.6	3.4	3.3	3.2	3.0	2.8
38											3.2	3.1	3.0	2.8	2.7	2.5	2.3
40												2.7	2.6	2.4	2.3	2.1	1.9
42												2.3	2.2	2.0	1.9	1.7	1.6
44													1.9	1.7	1.6	1.4	1.2
46														1.4	1.3	1.1	

HF

Fixed jib operation mode



HF

Main boom combination

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

Note: see Operation Manual for details.

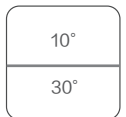
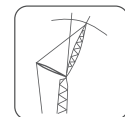
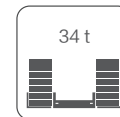
* For boom code, please refer to page 28.

Fixed jib combination

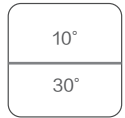
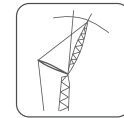
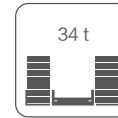
Jib code*	⑥	⑦	⑧	⑨
Length				
7m	1			1
10m	1	1		1
13m	1		1	1
16m	1	1	1	1
19m	1	2	1	1

Note: see Operation Manual for details.

Main boom: 31m, fixed jib: 7~19m



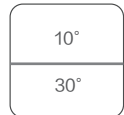
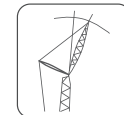
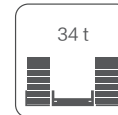
	7		10		13		16		19	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
9	12.0									
10	12.0		12.0							
12	12.0	10.7	12.0		10.2		8.0			
14	12.0	10.1	12.0	7.9	9.7		7.7		6.0	
16	12.0	9.6	11.1	7.4	9.2	6.1	7.3		5.6	
18	12.0	9.2	10.1	7.0	8.4	5.8	7.0	5.0	5.3	
20	11.3	8.8	9.3	6.7	7.7	5.4	6.7	4.7	5.0	3.8
22	10.5	8.4	8.6	6.4	7.1	5.2	6.2	4.4	4.7	3.6
24	9.9	8.1	7.9	6.1	6.6	4.9	5.7	4.2	4.5	3.5
26	8.9	7.9	7.4	5.8	6.1	4.7	5.3	4.0	4.3	3.3
28	8.0	7.7	6.9	5.6	5.7	4.5	5.0	3.8	4.1	3.2
30	7.2	7.3	6.5	5.4	5.4	4.3	4.6	3.7	3.9	3.1
32	6.5	6.6	6.2	5.3	5.1	4.2	4.4	3.5	3.7	3.0
34	5.9		5.9	5.2	4.8	4.1	4.1	3.4	3.6	2.9
36			5.5		4.6	4.0	3.9	3.3	3.4	2.8
38					4.3		3.7	3.2	3.3	2.7
40					4.2		3.5	3.1	3.2	2.6
42							3.4		3.0	2.6
44									2.9	
46										
48										
50										
52										



Main boom: 37m, fixed jib: 7~19m



	7		10		13		16		19	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
9										
10	12.0									
12	12.0	11.0	12.0		8.0					
14	12.0	10.5	12.0	8.2	8.0		7.8		6.1	
16	12.0	10.0	11.9	7.7	8.0	6.3	7.5		5.8	
18	12.0	9.5	11.1	7.3	8.0	6.0	7.1	5.4	5.5	
20	12.0	9.2	10.2	7.0	8.0	5.7	6.9	5.1	5.2	3.8
22	10.9	8.8	9.4	6.7	8.0	5.4	6.6	4.8	5.0	3.7
24	9.6	8.5	8.8	6.4	7.6	5.1	6.3	4.5	4.7	3.6
26	8.6	8.3	8.2	6.1	7.1	4.9	6.1	4.3	4.5	3.5
28	7.7	7.8	7.7	5.9	6.6	4.7	5.7	4.1	4.3	3.3
30	6.9	7.0	7.0	5.7	6.2	4.6	5.3	4.0	4.1	3.2
32	6.3	6.4	6.4	5.5	5.9	4.4	5.0	3.8	4.0	3.1
34	5.7	5.8	5.8	5.4	5.5	4.3	4.7	3.7	3.8	3.0
36	5.2	5.2	5.3	5.3	5.3	4.1	4.5	3.5	3.7	3.0
38	4.7		4.8	4.9	4.9	4.0	4.2	3.4	3.5	2.9
40	4.3		4.4		4.5	3.9	4.0	3.3	3.4	2.8
42			4.0		4.1	3.9	3.8	3.2	3.3	2.7
44					3.8		3.7	3.2	3.2	2.7
46							3.5		3.0	2.6
48							3.3		2.9	2.5
50									2.8	

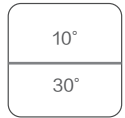
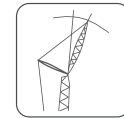
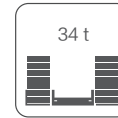


Main boom: 43m, fixed jib: 7~19m

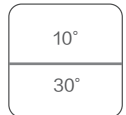
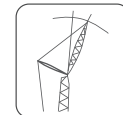
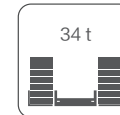


	7		10		13		16		19	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
9										
10										
12	8.0									
14	8.0	8.0	8.0		8.0		7.7			
16	8.0	8.0	8.0	8.0	8.0		7.5		5.9	
18	8.0	8.0	8.0	8.0	8.0	6.4	7.2		5.6	
20	8.0	8.0	8.0	7.7	8.0	6.1	7.0	5.2	5.3	
22	8.0	8.0	8.0	7.3	8.0	5.8	6.7	4.9	5.1	3.8
24	8.0	8.0	8.0	7.0	8.0	5.6	6.5	4.7	4.9	3.6
26	8.0	8.0	8.0	6.7	7.7	5.3	6.2	4.5	4.7	3.5
28	7.4	7.6	7.5	6.5	7.2	5.1	6.0	4.3	4.5	3.4
30	6.6	6.8	6.8	6.3	6.8	4.9	5.8	4.1	4.3	3.3
32	6.0	6.1	6.1	6.1	6.2	4.8	5.4	4.0	4.1	3.2
34	5.4	5.5	5.5	5.7	5.6	4.6	5.1	3.8	4.0	3.2
36	4.9	5.0	5.0	5.1	5.1	4.5	4.9	3.7	3.9	3.1
38	4.4	4.5	4.5	4.6	4.6	4.4	4.6	3.6	3.7	3.0
40	4.0	4.1	4.1	4.2	4.2	4.2	4.3	3.5	3.6	2.9
42	3.6		3.7	3.8	3.8	4.0	3.9	3.4	3.5	2.8
44	3.3		3.4	3.5	3.5	3.6	3.6	3.3	3.4	2.8
46			3.1		3.2	3.3	3.3	3.2	3.3	2.7
48			2.8		2.9		3.0	3.1	3.0	2.6
50					2.7		2.7	2.8	2.8	2.6
52							2.5		2.5	2.5
54									2.3	
56									2.1	

Main boom: 49m, fixed jib: 7~19m



	7		10		13		16		19	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
9										
10										
12	8.0									
14	8.0		8.0							
16	8.0	8.0	8.0		8.0		7.3		5.9	
18	8.0	8.0	8.0	8.0	8.0	6.6	7.1		5.6	
20	8.0	8.0	8.0	7.9	8.0	6.3	6.9	5.3	5.4	
22	8.0	8.0	8.0	7.6	8.0	6.0	6.7	5.1	5.2	3.8
24	8.0	8.0	8.0	7.3	8.0	5.8	6.5	4.8	5.0	3.7
26	8.0	8.0	8.0	7.0	8.0	5.5	6.3	4.6	4.8	3.6
28	7.2	7.4	7.3	6.7	7.4	5.3	6.1	4.4	4.6	3.5
30	6.4	6.6	6.5	6.5	6.6	5.1	6.0	4.3	4.4	3.4
32	5.7	5.9	5.8	6.1	6.0	5.0	5.8	4.1	4.3	3.3
34	5.1	5.3	5.3	5.5	5.4	4.8	5.4	4.0	4.2	3.2
36	4.6	4.8	4.7	4.9	4.9	4.7	4.9	3.8	4.0	3.2
38	4.2	4.3	4.3	4.4	4.4	4.5	4.4	3.7	3.9	3.1
40	3.8	3.9	3.9	4.0	4.0	4.2	4.0	3.6	3.8	3.0
42	3.4	3.5	3.5	3.6	3.6	3.8	3.7	3.5	3.7	2.9
44	3.1	3.1	3.2	3.3	3.3	3.4	3.3	3.4	3.4	2.9
46	2.8		2.9	2.9	3.0	3.1	3.0	3.2	3.0	2.8
48	2.5		2.6	2.6	2.7	2.8	2.7	2.9	2.8	2.7
50	2.2		2.3		2.4	2.5	2.5	2.6	2.5	2.7
52			2.1		2.2		2.2	2.4	2.3	2.5
54					2.0		2.0	2.1	2.0	2.2
56					1.7		1.8		1.8	2.0
58							1.6		1.7	
60									1.5	



Main boom: 52m, fixed jib: 7~19m

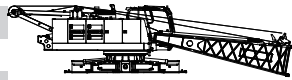


	7		10		13		16		19	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
9										
10										
12										
14	8.0		8.0							
16	8.0	8.0	8.0		8.0		7.2		5.8	
18	8.0	8.0	8.0	8.0	8.0		7.1		5.6	
20	8.0	8.0	8.0	8.0	8.0	6.4	6.9		5.4	
22	8.0	8.0	8.0	7.7	8.0	6.1	6.7	5.1	5.2	3.8
24	8.0	8.0	8.0	7.4	8.0	5.8	6.5	4.9	5.0	3.7
26	7.9	8.0	8.0	7.1	8.0	5.6	6.3	4.7	4.8	3.6
28	7.0	7.2	7.1	6.9	7.3	5.4	6.1	4.5	4.7	3.5
30	6.2	6.4	6.4	6.6	6.5	5.2	6.0	4.3	4.5	3.4
32	5.6	5.7	5.7	5.9	5.8	5.0	5.8	4.2	4.4	3.3
34	5.0	5.1	5.1	5.3	5.2	4.9	5.3	4.0	4.2	3.3
36	4.5	4.6	4.6	4.8	4.7	4.7	4.8	3.9	4.1	3.2
38	4.0	4.1	4.1	4.3	4.2	4.5	4.3	3.8	4.0	3.1
40	3.6	3.7	3.7	3.9	3.8	4.0	3.9	3.7	3.8	3.1
42	3.2	3.3	3.3	3.5	3.4	3.6	3.5	3.6	3.5	3.0
44	2.9	3.0	3.0	3.1	3.1	3.3	3.2	3.4	3.2	2.9
46	2.6	2.7	2.7	2.8	2.8	3.0	2.9	3.1	2.9	2.9
48	2.3	2.4	2.4	2.5	2.5	2.7	2.6	2.8	2.6	2.8
50	2.1		2.1	2.2	2.3	2.4	2.3	2.5	2.3	2.6
52	1.8		1.9		2.0	2.1	2.1	2.2	2.1	2.3
54			1.7		1.8	1.9	1.8	2.0	1.9	2.1
56					1.6		1.6	1.8	1.7	1.9
58					1.4		1.5		1.5	1.7
60							1.3		1.3	
62									1.1	

Dimensions of transported components

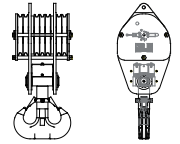
Basic crane transport plan I

Length	13040 mm
Width	3400 mm
Height	3040 mm
Weight	24100 kg
Qty	1



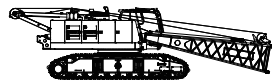
100t hook

Length	705 mm
Width	630 mm
Height	1650 mm
Weight	960 kg
Qty	1



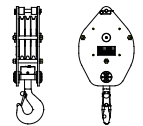
Basic crane transport plan II

Length	13040 mm
Width	3490 mm
Height	3490 mm
Weight	44700 kg
Qty	1



55t hook

Length	540 mm
Width	630 mm
Height	1500 mm
Weight	620 kg
Qty	1



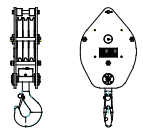
Track frame

Length	6850 mm
Width	1150 mm
Height	1230 mm
Weight	10300 kg
Qty	2



35t hook

Length	340 mm
Width	630 mm
Height	1350 mm
Weight	460 kg
Qty	1



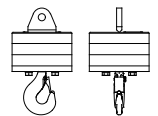
Counterweight tray

Length	4640 mm
Width	1450 mm
Height	750 mm
Weight	7000 kg
Qty	1



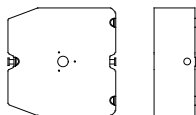
8t hook

Length	320 mm
Width	320 mm
Height	750 mm
Weight	250 kg
Qty	1



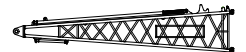
Left/right counterweight slab

Length	1450 mm
Width	1450 mm
Height	590 mm
Weight	3500 kg
Qty	6



Main boom butt 6.5m

Length	6670 mm
Width	1690 mm
Height	1570 mm
Weight	1250 kg
Qty	1



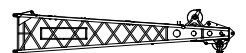
Counterweight slab I

Length	1500 mm
Width	850 mm
Height	790 mm
Weight	3000 kg
Qty	2



Main boom top 6.5m

Length	7100 mm
Width	1690 mm
Height	1600 mm
Weight	1300 kg
Qty	1



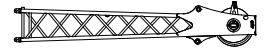
Main boom insert 9m

Length	9120 mm
Width	1690 mm
Height	1420 mm
Weight	900 kg
Qty	4



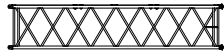
Fixed jib top

Length	3330 mm
Width	655 mm
Height	633 mm
Weight	220 kg
Qty	1



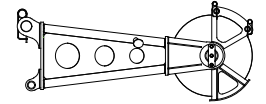
Main boom insert 6m

Length	6120 mm
Width	1690 mm
Height	1420 mm
Weight	650 kg
Qty	1



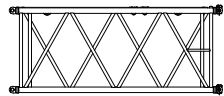
Boom end single pulley

Length	1400 mm
Width	625 mm
Height	562 mm
Weight	120 kg
Qty	1



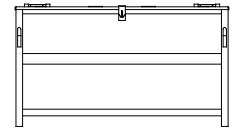
Main boom insert 3m

Length	3120 mm
Width	1690 mm
Height	1420 mm
Weight	405 kg
Qty	2



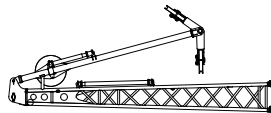
Small parts box

Length	1260 mm
Width	1110 mm
Height	700 mm
Weight	1000 kg
Qty	1



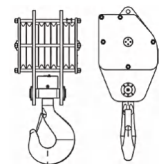
Fixed jib butt (with bracket and guy cable)

Length	4105 mm
Width	700 mm
Height	1653 mm
Weight	500 kg
Qty	1



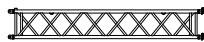
75t hook

Length	705 mm
Width	630 mm
Height	1650 mm
Weight	890 kg
Qty	1



Fixed jib insert 3m

Length	3060 mm
Width	655 mm
Height	485 mm
Weight	104 kg
Qty	2



Fixed jib insert 6m

Length	6060 mm
Width	655 mm
Height	485 mm
Weight	192 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

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	9m insert section	9	⑨	Fixed jib top	3
⑤	Main boom top	6.5	⑩	Boom end single pulley	1.1

Construction cases



XGC100A

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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