



CRAWLER CRANE

XGC40T



40_t



42_m



58_m

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, 30–220t 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



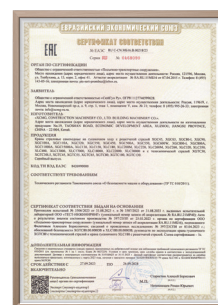
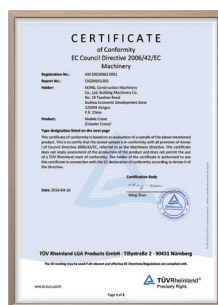
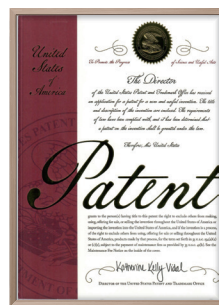
XCMG Australian R&D Center

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 and valid software copyrights 165 (including 909 invention patents, among which 89 are overseas authorized patents)



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



▲ Service in Southeast Asian



▲ Service in Indonesia



▲ Service in Central Asian



▲ Service in Africa

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.

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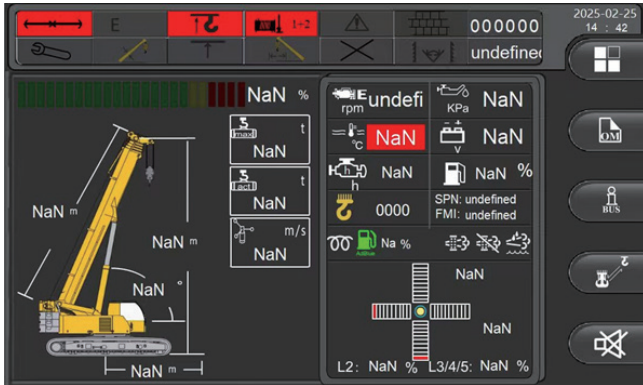
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01 Quick set-up

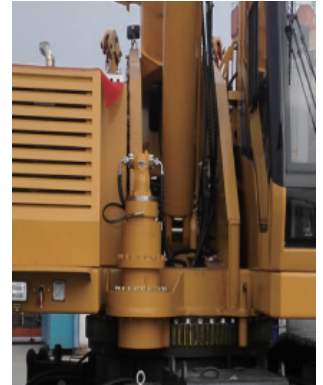
Real-time monitoring and display of ground pressure

- The control system is intelligent, safe and reliable, it can display the functional parameters of the crane in real time.



High construction efficiency and low using cost

- Rich boom combinations and high boom length switching efficiency greatly improve the performance and adaptability of medium & long boom.

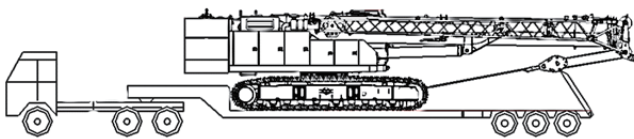


Efficient hoisting and slewing systems

02 Low operating cost

Convenient transportation and assembly

- Only one trailer is required to transport the complete crane, no disassembly.



Integrated transportation of complete machine

High-efficiency power, stable and reliable performance

- Cummins engine B6.7, meeting EU Stage V emission standard. It has features of compact structure, light weight, high power and low fuel consumption, suitable for harsh operating conditions.
- Strong off-road capacity, allowing crane traveling with load suspended, maximum grade ability 45% (24.2°)



Strong and powerful travel system

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

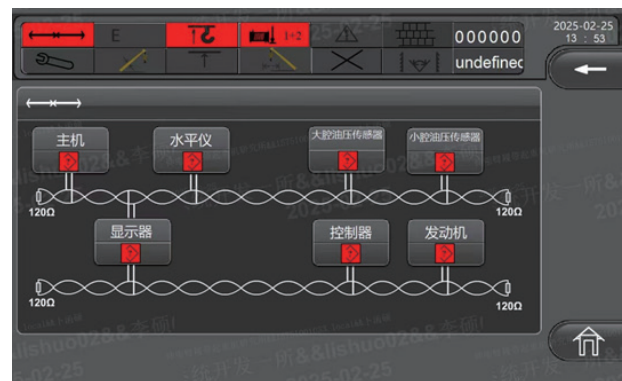
- ▶ The appearance of the cab is fashion and novel, with a shock-absorbing seat, providing a more comfortable driving and operating experience.
- ▶ It features large glass areas with well-designed side windows, offering a futuristic feel and providing the operator with a wide field of vision.
- ▶ Air conditioner with independent condenser and multi-duct, the temperature in the cab can be adjusted quickly, creating a comfortable working environment.



- ▶ Intelligent diagnosis system can monitor the crane state in real time. It allows users to query fault codes through the display in cab, thereby reducing downtime.

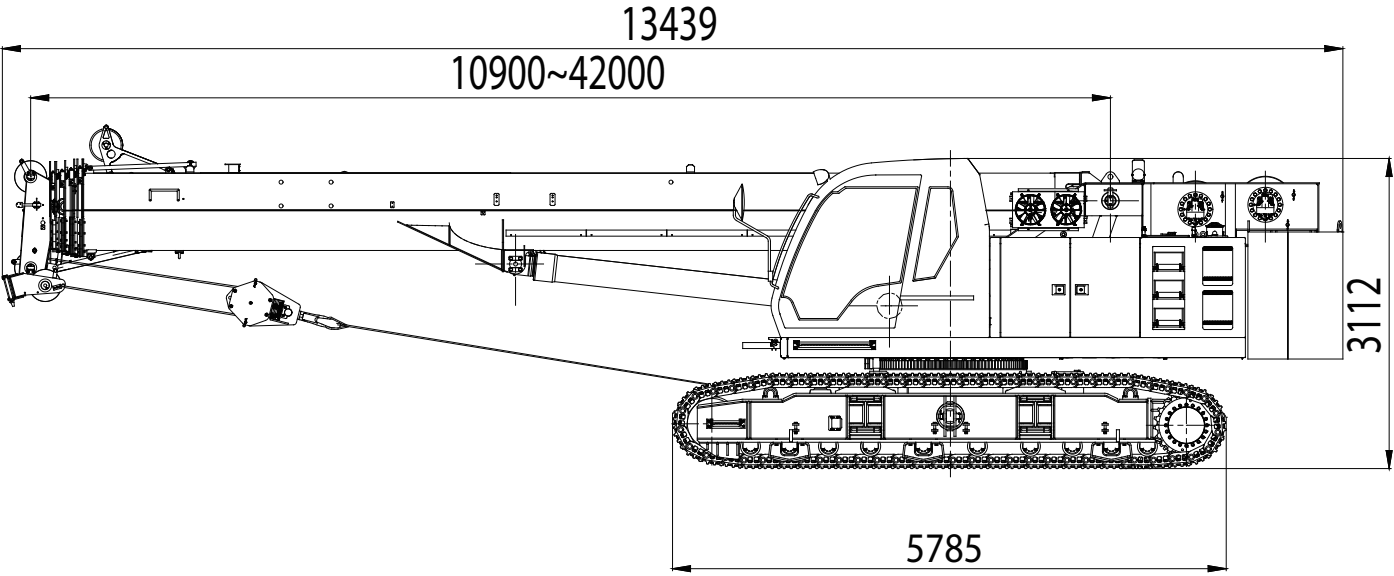


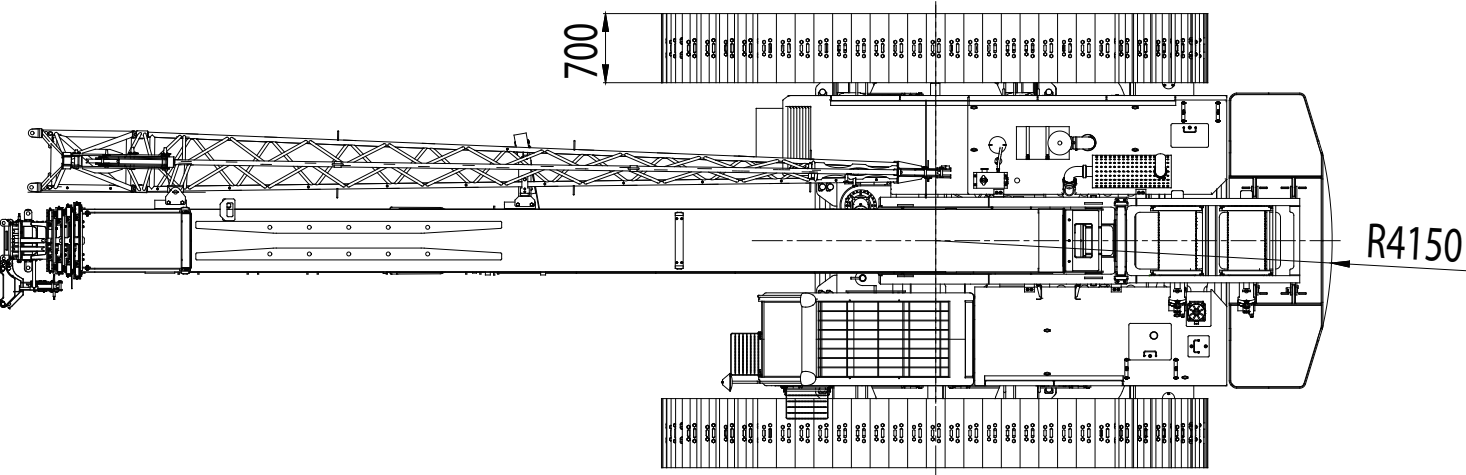
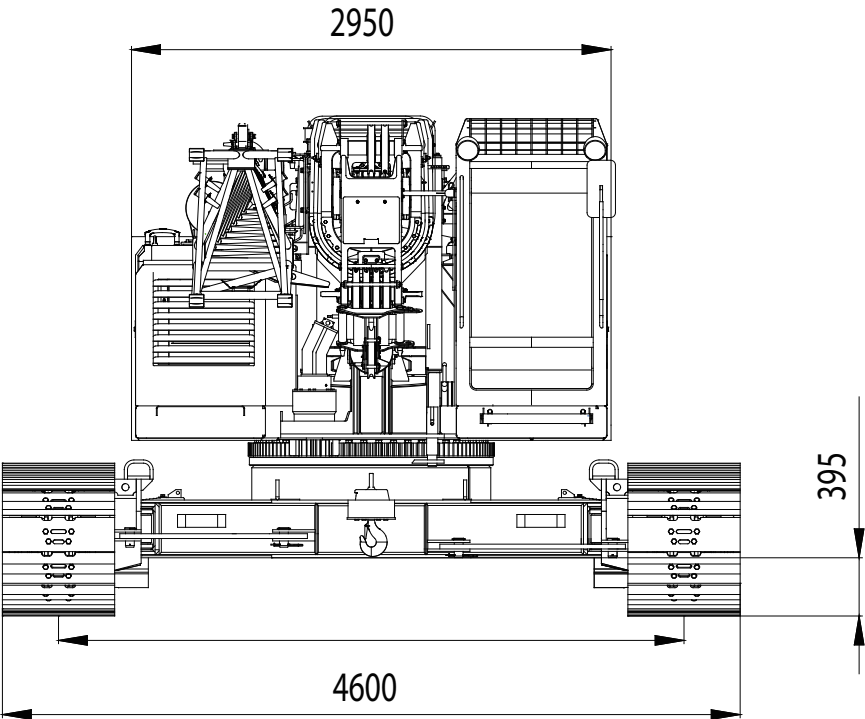
Rear-time fault interface



Equipment status query

Dimension parameters





Technical specifications



Engine

- Model: Cummins B6.7
- Emission standard: off-road EU Stage V
- Rated power: 209kW/2200rpm
- Fuel tank capacity: 400L



Hydraulic system

- Hydraulic system includes hoisting, luffing, slewing, traveling and auxiliary systems.
- Adopt LUDV load sensing system controlled by hydraulic pilot proportional control, with features of accurate speed, sensitive operation and good fine motion performance. 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.
- Hydraulic oil tank capacity: 800L



Electrical 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: high-definition color LCD screen, parameters 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 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, cooling and heating air conditioner, sound equipment, fire extinguisher and closed-circuit monitoring system.



Slewing system

- Slewing drive: driven by hydraulic motor, the slewing system is externally 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): it has built-in planetary reducer, with constant 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	Rope diameter	18 mm
	Winch rope length	220 m
	Rated single line pull	5.8 t

Auxiliary hoisting system	Rope diameter	18 mm
	Winch rope length	125 m
	Rated single line pull	5.8 t

Boom system

- Main boom: five sections, U-shaped cross section, cylindrical structure. Main boom length: 10.9m ~ 42m.
Fixed jib: lattice structure, fixed jib installation angle: 0° , 15° and 30° . Fixed jib length: 9m/16m.

Travel system

- Travel system adopts built-in planetary reducer and is driven by axial piston variable displacement motor, the reducer is set with hydraulic release service 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: three kinds of combinations: 0t, 8.5t and 12t. Independent load charts based on different counterweight combinations are provided to meet different purchasing and lifting requirements. Self-assembly device is also equipped for this crane to realize the self-assembly and disassembly of turntable counterweight.

Turntable counterweight 0t.

Turntable counterweight 8.5t: counterweight tray 1 × 8.5t.

Turntable counterweight 12t: counterweight tray 1 × 8.5t; counterweight slab 1 × 1.75t, 1 × 1.75t.

Hook block

- There are 2 types of hooks available, and the specific parameters are as follows:

Name	Dead weight	Number of pulleys
40t hook	0.4 t	4
25t hook	0.316 t	3
4.5t hook	0.9 t	0

Safety device

- Safety devices include: LMI, rope end limiter (rope over-releasing prevention device), hook latch, closed-circuit monitoring system, height indicator light, electronic level indicator, buzzer and warning light, function interlock, emergency function, fault self-diagnosis system, power-off protection, etc.

Main technical parameters

项目		单位	参数
Maximum rated lifting capacity		t	40
Maximum lifting moment		kN•m	1423
Lifting performance parameters	Main boom length	m	10.9 ~ 42
	Fixed jib length	m	9.2/16
	Maximum main boom and jib combination length	m	58
Speed parameters	Speed parameters	m/min	140
	Auxiliary hoisting system	m/min	140
	Slewing speed	r/min	2.1
	Travel speed	km/h	3
Weight and dimension parameters	Weight of complete crane	t	34.5
	Outline dimension	mm	13429×4600/2980×3112
	Crawler shoe width	mm	700
	Maximum weight of single piece in transport state	t	41.5
	Maximum dimension of single piece in transport state (L×W×H)	mm	13250×3000×3110

Main technical parameters



Main boom operation mode

Boom end single pulley operation mode

Fixed jib operation mode

Main boom: 10.9 ~ 42 m

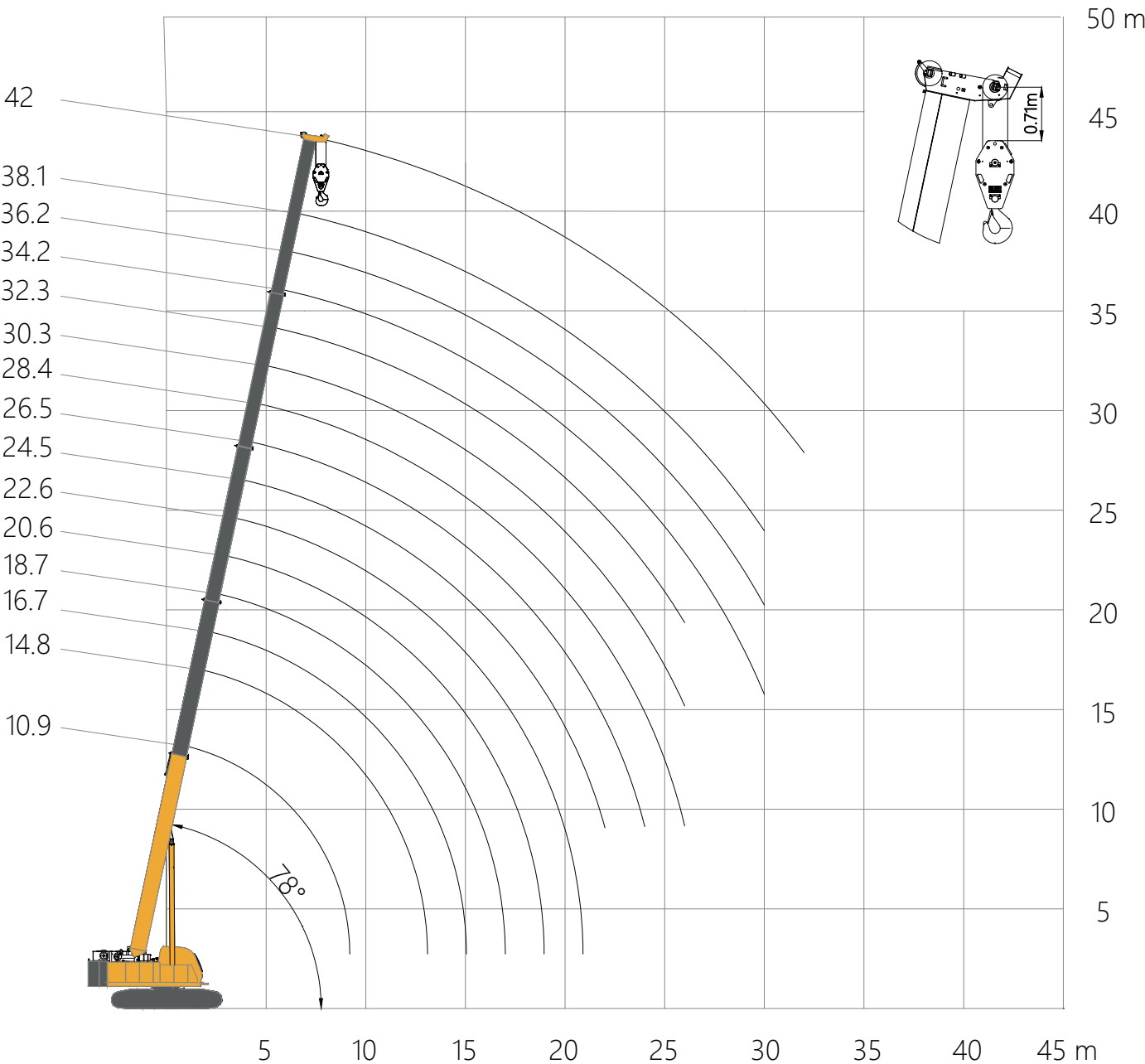
Main boom: 10.9 ~ 42 m

Fixed jib: 10.9 ~ 42 m

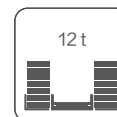
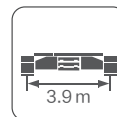
Fixed jib: 9.2 ~ 16 m

HB

Main boom operation mode



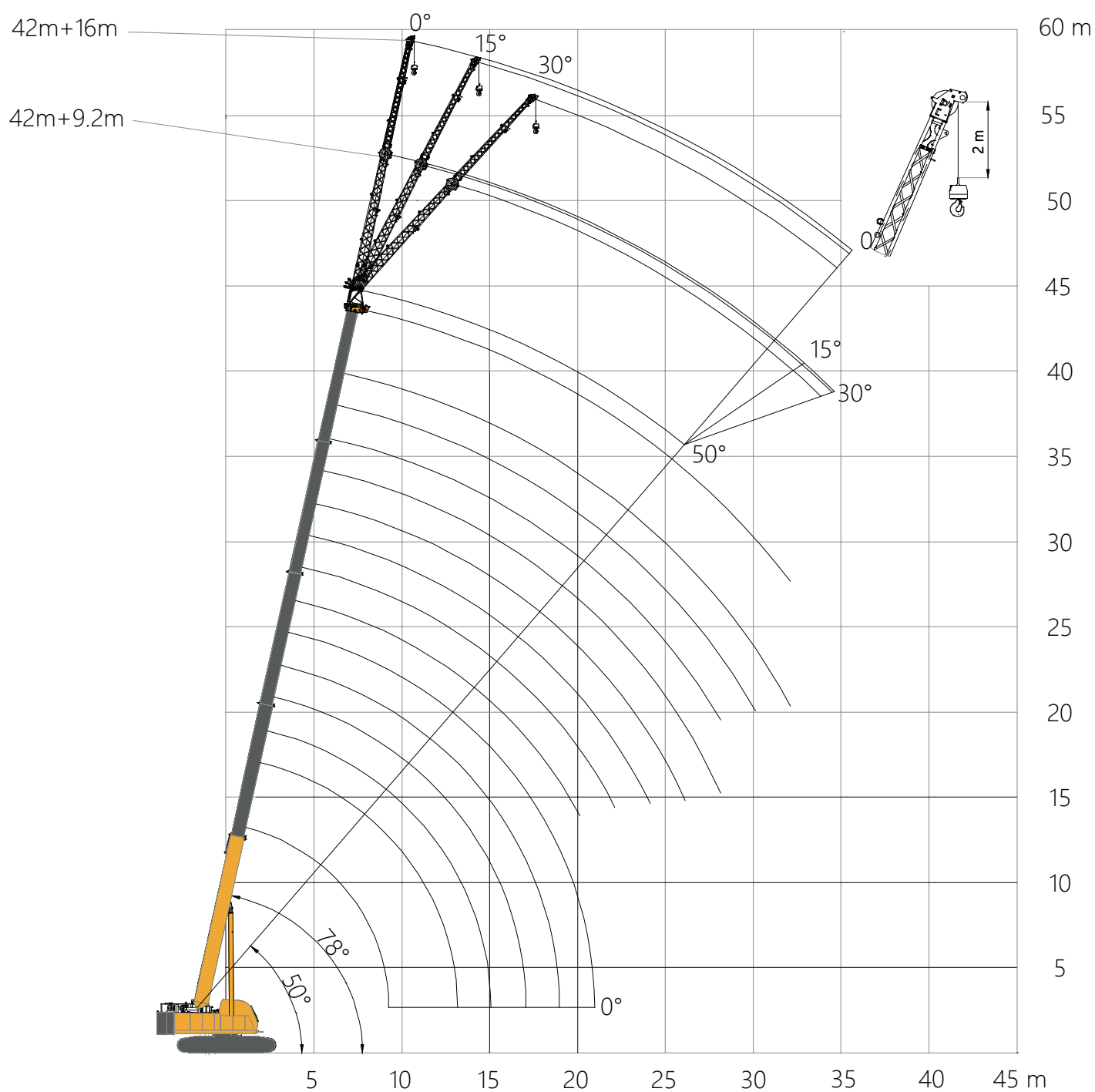
Main boom: 10.9~42 m



	10.9	14.8	16.7	18.7	20.6	22.6	24.5	26.5	28.4	30.3	32.3	34.2	36.2	38.1	42
3	40.0														
3.5	35.0	34.0	17.0	26.5											
4	34.0	31.0	16.9	26.0	17.1	13.1									
4.5	31.0	29.0	16.8	25.0	16.7	12.9	19.0								
5	28.5	27.0	16.7	24.0	16.2	12.8	18.5	12.8							
5.5	26.4	24.5	16.4	22.8	15.8	12.7	17.5	12.6	9.5						
6	22.6	22.0	16.2	20.3	15.3	12.6	16.5	12.2	9.5	14.0					
7	17.3	17.0	14.4	16.4	14.4	11.7	15.0	11.5	9.0	12.8	8.8	6.6	9.5		
8	13.8	13.5	13.1	13.3	12.6	10.8	13.5	10.4	8.1	11.7	8.4	6.6	8.9	6.4	
9	11.2	11.0	11.1	10.8	10.8	9.9	11.5	9.9	7.7	10.9	7.9	6.2	8.4	6.2	7.0
10		9.3	9.4	8.9	9.0	9.0	9.7	8.8	7.2	9.8	7.0	5.8	7.8	5.9	6.3
12		6.3	6.9	6.3	6.6	7.4	7.0	7.0	5.9	7.4	6.2	5.1	6.8	5.2	5.8
14			5.3	4.6	4.9	5.7	5.2	5.4	5.4	5.7	5.3	4.4	5.8	4.6	5.1
16				3.0	3.8	4.5	4.0	4.2	4.5	4.4	4.4	4.0	4.6	4.0	4.6
18					2.9	3.6	3.0	3.3	3.9	3.4	3.5	3.5	3.7	3.5	3.7
20							2.1	2.6	3.2	2.6	2.8	3.1	2.9	3.0	3.1
22								2.1	2.6	2.0	2.3	2.6	2.3	2.4	2.5
24									2.1	1.4	1.8	2.2	1.9	2.0	2.0
26										1.0	1.4	1.9	1.5	1.6	1.5
28											1.1	1.5	1.1	1.3	1.2
30													0.7	1.0	0.9
32														0.7	0.7
2节臂	8	8	5	7	5	5	5	4	3	4	3	3	3	3	3
3/4/5节臂	0%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	100%
	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%

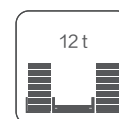
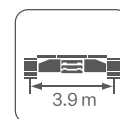
HF

Fixed jib operation mode



Main boom: 42 m

Fixed jib: 9.2-16 m



	9.2m			16m		
	0°	15°	30°	0°	15°	30°
78	4	2.5	2.1	2.1	1.4	1.1
75	3.5	2.2	2	2	1.2	1
72	3.2	2	1.9	1.8	1.1	0.9
70	3	1.9	1.8	1.7	1	0.8
65	2.5	1.8	1.7	1.4	0.8	0.7
60	1.5	1.2	1.1	1	0.7	0.6
55	0.9	0.8	0.7	0.6	0.5	0.4
50	0.5	0.5	0.4			
		1			1	

Symbols

	Longest main boom		Turntable counterweight
	Working radius		Rated lifting capacity
	Parts of line		Track width
	360° slewing		Maximum main boom and jib combination

Construction cases



XGC40T 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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