

Boom Truck Crane

XCT35_U



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INTRODUCTION OF XCMG

XCMG, as a leading enterprise valued of 100 billion RMB, with the largest scale, the best technology level, the largest export volume, and high competitiveness and influence in China's construction machinery industry, has been occupying the first place in China's construction machinery industry for decades, and it now ranks the third in the world industry and the 395th among the world's top 500 brands.

The main products by XCMG consists of 16 categories of equipment such as hoisting machinery, excavation machinery, concrete machinery, mining machinery, earth-moving machinery and road machinery, etc., as well as three categories of key components such as hydraulic system, transmission system and electric control system. Among above-mentioned, hoisting machinery ranks first in the world, and package solution of road construction and maintenance machinery, piling machinery and concrete machinery are among the first-class bloc in the world.

XCMG has accumulated more than 8000 approved patents, including more than 1900 invention patents and more than 130 PCT international patents. Entities of R&D centers, manufacturing plants or KD factories are in operation in more than 10 countries such as Germany, the United States, Brazil and India, XCMG has also acquired three European enterprises including Schwing in Germany. The Brazil manufacturing plant, with an investment of 350 million dollars to build up factories on a bare ground, has become a model of economic cooperation between China and Brazil. At present, XCMG products are exported to 187 countries and regions, covering 97% of the countries along "The Belt and Road" area. In export business to 35 countries, XCMG's proportion ranks NO. 1, with a steady first place within Chinese industry in terms of annual export volume and overseas income.



PRODUCT OVERVIEW

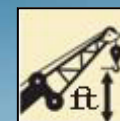
XCMG New 35 USt boom truck provides high lifting capacity and offers the most versatile crane for the North American market.



35USt



120ft



143ft

It is designed to be used on high-rise and low-rise construction sites, transportation, ports, bridges, and any other complex working environment.





STRENGTHS AND HIGHLIGHTS

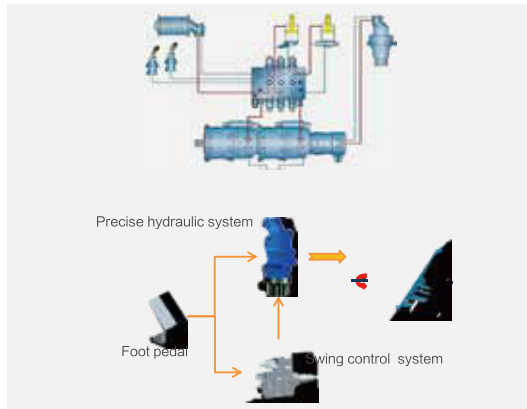
Superb lifting performance



- 36.4- 120ft 4-section boom
- Fixed jib of 29.8ft
- 0°, 15° and 30° jib offset angles

Precise lifting operation

- Energy-saving, load sense hydraulic system for boom and winch functions.
- High-power hydraulic oil independent cooling system, promoting the working efficiency and reliability
- Separate pumps for winch, boom and swing for interaction free multi function operation. Flows can be combined for higher speeds when needed.
- Free and braked swing modes for precise swing control.



- Dual load sense variable displacement pumps
- Minimum stable winch speed 8.2fpm, and minimum stable slewing speed 0.1°/s
- Hydraulic pilot operated controls for accurate and precise control.
- All this to optimize fine control along with providing strong and fast performance.



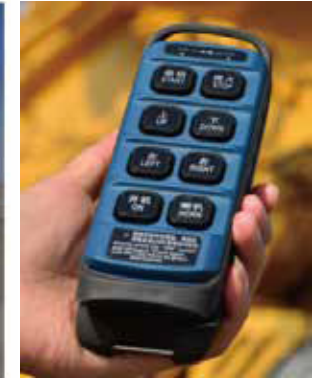
Outrigger wireless remote controller

- Outrigger wireless remote control.



Winch wireless remote controller

- Wireless remote control for winch and boom luffing. With power switch on sub frame so there is not need to climb into the operator's cab for crane set up.



Boom tip camera

- Equipped with optional boom tip camera to enable operator to observe environment when sight is blocked.

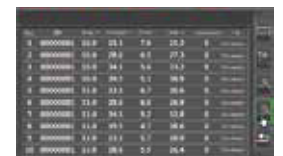


Internal boom length sensor

Internal boom length sensors to eliminate any damage from working around trees or in other complex environments. And with the optional wireless A2B switch, there are no exposed wires outside of the boom.

Automatic working condition planning technology

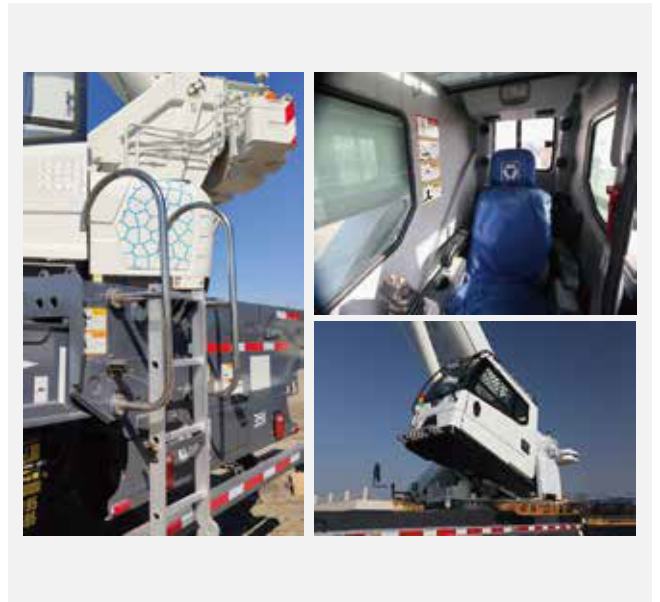
- LMI includes load chart look up based on load, radius and height.
- Simplified procedure for looking up possible crane configurations for the load conditions.





New appearance and humanized design

- New generation appearance that will be a welcome addition to any fleet signifying power and performance. Attractive cab with the perfect combination of streamlining and strength. With integrated ergonomic and user-friendly details that provides an enjoyable all day operation environment.



XCMG man-machine interactive system

- 7 inch color touch screen
- Ergonomically designed working space
- Informative and interactive techniques bring more friendly man-machine interaction



Touch button

- Three control areas for safety protection, hoisting operation and operating environment bring convenient control



Operator's cab

- The new type steel operator's cab
- 0° ~ 20° tiltable, wider operation view



TECHNICAL SPECIFICATIONS

Frame	Designed and manufactured by XCMG. Made of high strength steel ,All walking surfaces are anti-slip	●
Outrigger	H-type, out and down outriggers with 5th jack at front bumper. Outrigger control via Standard wireless remote control and backup manual valve. Outrigger pads stored under outriggers. level indicator provided on each side and at rear of crane as well as in the LMI Fully-extended: 18.2ft x20ft Half-extended: 18.2ft x14.8ft Fully-retracted: 18.2ft x7.5ft	●
Hydraulic Reservoir	Effective volume of oil tank: 74GAL.	●
 Superstructure		
Hydraulic system	Variable displacement pumps are used for winching, luffing, and telescoping; a gear pump is used for slewing and outriggers. Separate gear pump used for HVAC. Load-sensing proportional multi-way directional control valve controlled by pilot hydraulic oil is fitted. Includes a standard hydraulic oil cooler to control oil temperature in the most demanding applications.	●
Operating mode	Hydraulic pilot joysticks. Standard RLI display includes crane set up, lift parameters, load charts, lift planning, virtual wall, and fault diagnosis.	●
Main winch system	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. Including load hold balance valve and a grooved drum and standard rotation-resistant lift rope.	●
Operator's cab	Fully-enclosed steel structure with large windows and is tiltable. Safety glass is used for all windows and sun shades are fitted. Wipers are fitted for the windshield and roof window. Standard controls and indicators are ergonomically arranged in the cab. The cab features a new ergonomic seat design with adjustable backrest and armrests that included joysticks. A sliding door and a electric control pull-out step to facilitate easy and safe access to the cab.	●
LMI	The operator aid is installed in operator's cab. When the load moment approaches overload value, it will send out visual and audible alarms, and automatically stops dangerous movements before overloading. Overload memory function (black box) and fault self-diagnosis functions are built into the system.	●
Safety devices	Hydraulic balance valve on outrigger jacks, boom hoist and extension cylinders and winch motors. Hydraulic relief valves on all functions, LMI, 3rd wrap limiter, and anti-two block at boom head.	●
Hook block	Hook block 15UST,5UST.	●

Counterweight	Total weight is 1000lb, fixed counterweight. Extra 3000lb counterweight is optional	●
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Boom system		
Boom	4-section, U-shape cross section structure. Fully synchronous with single cylinder and wire rope extension system. Boom length:36.4 ' ~120 ' Boom angle:-5°~81°	●
Optional equipment		
Jib	The jib consists of a connecting bracket, a rotating bracket and single lattice section. Three offset angles of 0°, 15° and 30° are available. Jib length: 29.8ft	○
Operating mode	Winch and boom luffing wireless remote controller	○
Swing lock	360° gear type swing lock	○
Swing mode	Free swing and proportional brake	○
Internal boom length sensor	Boom length reels mounted internal to the boom at the base and second sections.	○
Boom tip camera	Camera on main boom head, with screen in operator's cab	○
Counterweight	3000lb optional counterweight	○
Hook block	Hook block 40UST	○

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

Symbol explanation:

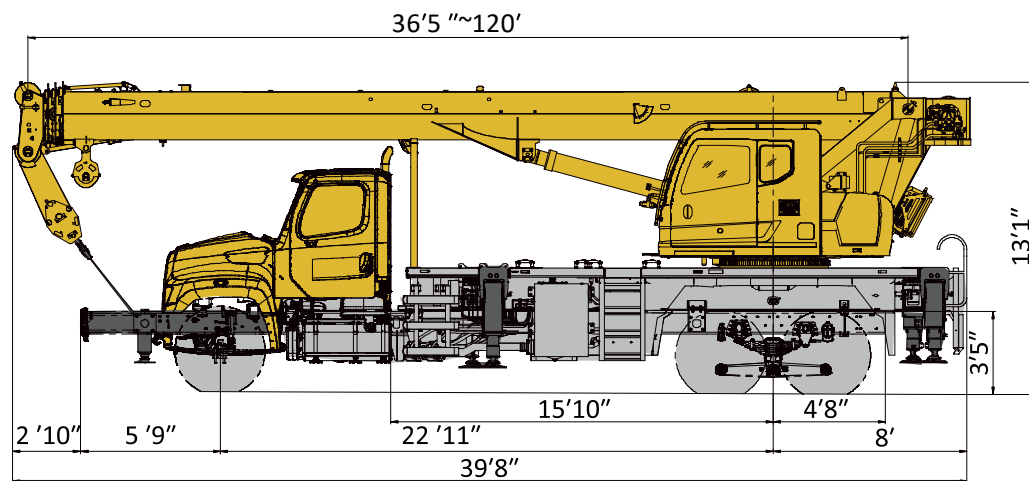
● —it means the standard configuration;

○ —it means the optional configuration.



TECHNICAL SPECIFICATIONS

Dimensions



Truck Axle Ratings And Estimated Bare Chassis Weights

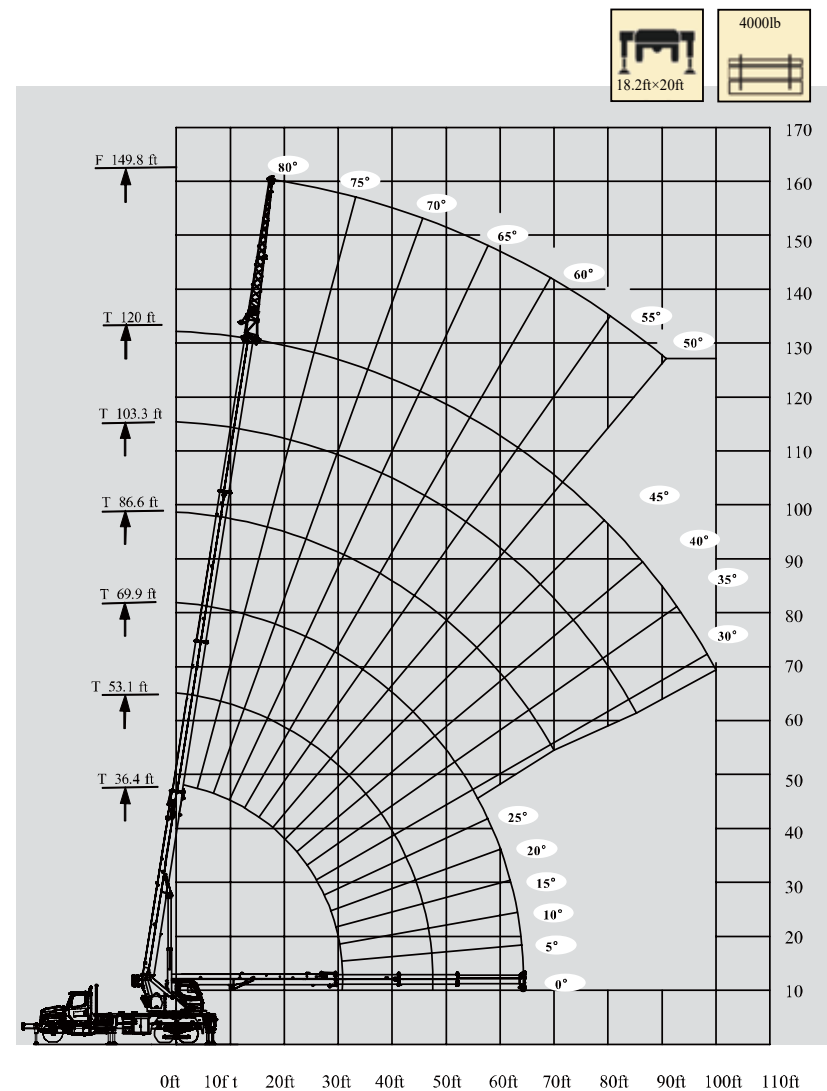


Chassis data	Front Axle Rating	Rear Axle Rating	Min truck Axle Weight -Front axle	Min truck Axle Weight -Rear axle
Weight	18000lb	46000lb	9150lb	8000lb

Data published here is for reference only, and the crane operation should be subject to specific load chart and working condition.

With different chassis, the parameters may be different

Lifting heights





	36.4ft	53.1ft	69.9ft	86.6ft	103.3ft	120.0ft
6	70000					
8	55160					
10	41260	28910				
12	38610	28910				
15	30890	28910	26700	18260		
20	24710	25380	22730	16770	12760	
25	19200	19860	19860	14780	11690	8030
30	14120	14780	15230	12070	9490	8030
35		11470	11920	10890	8830	7720
40		8830	9270	9240	7500	6400
45		7060	7280	7500	6620	6400
50			5960	6180	5960	5080
55			4850	5080	5080	4630
60				4190	4190	3740
65				3310	3530	3400
70				2870	2870	2700
75					2430	2430
80					1990	1990
85					1540	1540
90						1320
95						880
100						660
Deductions for stowed fixed jib	540	370	280	230	190	160



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6	70000					
8	55160					
10	41260	28910				
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20	24710	25380	22730	16770	12760	
25	20520	20960	19860	14780	11690	8030
30	15230	15890	16110	12070	9490	8030
35		12360	12580	10890	8830	7720
40		9930	10150	9240	7500	6400
45		7940	8380	7960	6620	6400
50			6840	7060	5960	5080
55			5520	5740	5080	4630
60				4850	4740	3740
65				3970	4050	3400
70				3310	3360	2700
75					2870	2650
80					2430	2340
85					1990	1970
90						1540
95						1320
100						1100
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Table of Main Technical Parameters

Category	Item			Unit	Parameter
Main Lifting Performance	Max. total rated lifting capacity			ust	35
	Min. rated working radius			ft	6
	Tail swing at turntable tail			ft	8.25
	Max. load moment	Base boom		lb-ft	513000
		Fully-extended boom		lb-ft	288000
		Fully-extended boom + Jib		lb-ft	185000
	Outrigger span	Longitudinal		ft	18.2
		Lateral		ft	20
	Hoist height	Base boom		ft	37
		Fully-extended boom		ft	120
		Fully-extended boom + Jib		ft	143
	Boom length	Base boom		ft	36.4
		Fully-extended boom		ft	120
		Fully-extended boom + Jib		ft	149.8
Jib offset angle			°	0, 15, 30	
Lifting boom elevating time			s	35	
Fully-extended time of lifting boom			s	50	
Working Speed	Max. slewing speed			rpm	1.5
	Outrigger extending and retracting time	Horizontal outrigger	Extending Simultaneously	s	≤35
			Retracting Simultaneously	s	≤35
		Vertical outrigger	Extending Simultaneously	s	≤40
			Retracting Simultaneously	s	≤40
	Speed (single line, 4th layer, no load)		Main winch system	fpm	426

Optimum Services , XCMG Guaranteed



XCMG approved attachments



Genuine parts



Financial solutions



Maintenance contract



Telematics



Full Range of Services Ready for you

In order to respond to your needs as fast as possible, XCMG experts are on their way to your job site from one of our facilities near you. Full range of services are available in order to reduce your total cost of ownership and increase your revenue.

Professional Integrated Complete Solutions

XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery. What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all customers.

XCMG Global Spare parts System



Mobile cranes



Excavators



Aerial work platforms



Wheel loaders



Road machinery



