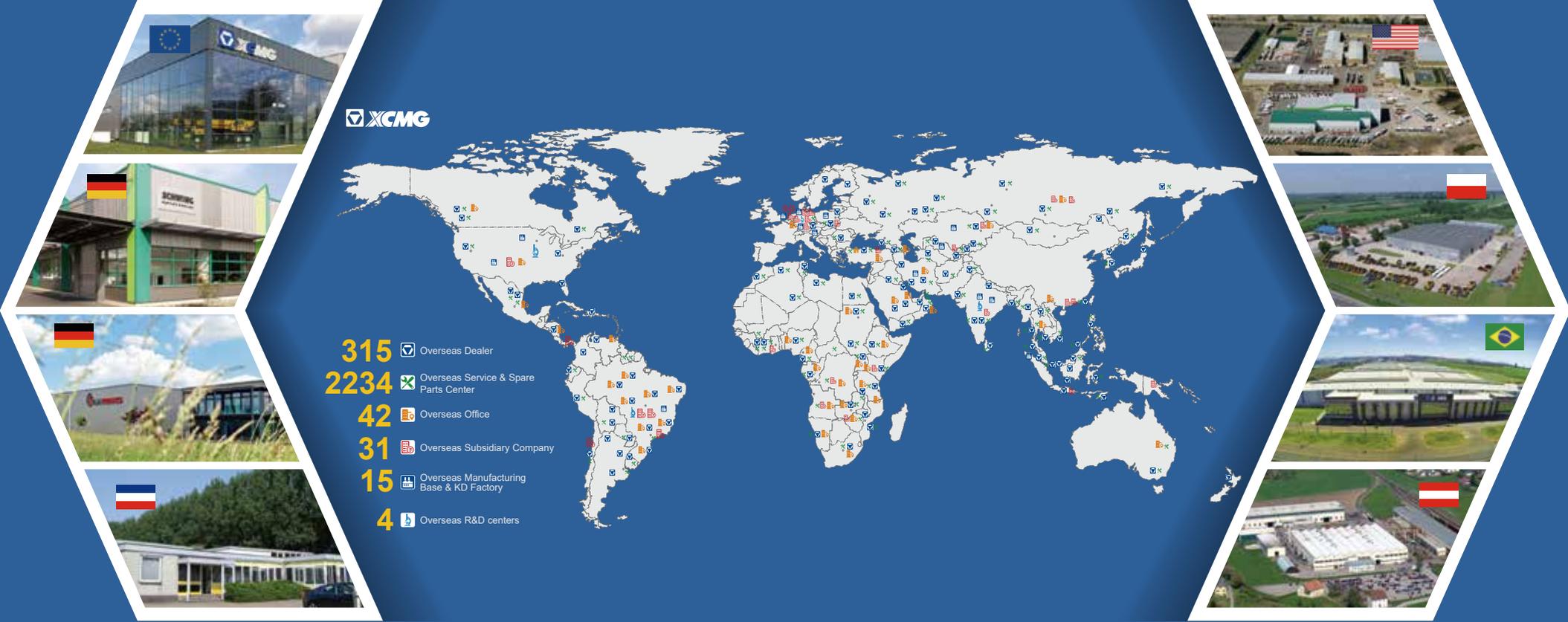


Boom Truck Crane

XCT35_U



XCMG North America Corporation
5145 Schirlls St Las Vegas, NV 89118
Email: xcmgna@xcmg.com
Phone: 725-605-2777
Web: www.xcmg-usa.com



INTRODUCTION OF XCMG

XCMG is the leading construction equipment manufacture in China and is the third largest equipment manufacture in the world. In addition, XCMG ranks 305th among the worlds top brands.

XCMG builds 16 categories of equipment including cranes, excavators, concrete production and transporting, earth moving, mining, and road reclamation and paving. XCMG also produces many of its own hydraulic, power transmission, and electronic control systems components. XCMG is the top manufacture in the world of cranes, foundation machines and concrete production and distribution equipment.

XCMG's research and development groups have accumulated more than 9000 patents in China and 130 international patents. There are R&D centers and manufacturing facilitates in 10 countries including Germany, the United States, Brazil and India. The manufacturing facility in Brazil has become a model of economic cooperation between China and Brazil. XCMG exports equipment to 187 countries around the world.

OVERVIEW

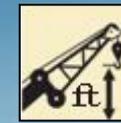
XCMG New 35 USt boom truck provides high lifting capacity and offers the most versatile crane for the North American market.



35 USt



120 ft



143 ft



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



STRENGTHS AND HIGHLIGHTS

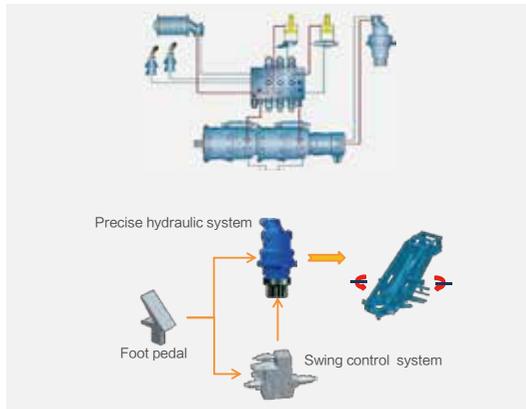
Superb lifting performance



- 36.4 ft - 120 ft 4-section boom
- Fixed jib of 29.8 ft
- 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 8.2 fpm, 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 cab for crane set up.



Boom tip camera

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

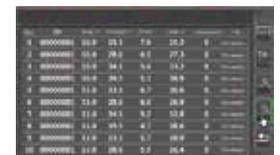


Internal boom length sensor

- 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.



Load	Radius	Height	Capacity	Stability
1	10.0	15.0	10.0	1.0
2	10.0	20.0	8.0	1.0
3	10.0	25.0	6.0	1.0
4	10.0	30.0	4.0	1.0
5	10.0	35.0	3.0	1.0
6	10.0	40.0	2.0	1.0
7	10.0	45.0	1.5	1.0
8	10.0	50.0	1.0	1.0
9	10.0	55.0	0.8	1.0
10	10.0	60.0	0.6	1.0



— 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, lifting operation and operating environment make control easier and more convenient.



— Operator cab

- The new type steel operator 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: 18.2 ft x20 ft
Half-extended: 18.2 ft x14.8 ft
Fully-retracted: 18.2 ft x7.5 ft ●

Hydraulic reservoir Effective volume of oil tank: 74 GAL. ●



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 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 include joysticks. A sliding door and an electric control pull-out step to facilitate easy and safe access to the cab. ●

LMI The operator aid is installed in operator 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 blocks Hook blocks 15 USt, 5 USt. ●

Counterweight Total weight is 1000 lb, fixed counterweight.
Extra 3000 lb counterweight is optional. ●



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 ft
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: 29.8 ft ○

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 cab ○

Counterweight 3000 lb optional counterweight ○

Hook block Hook block 40 USt ○

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

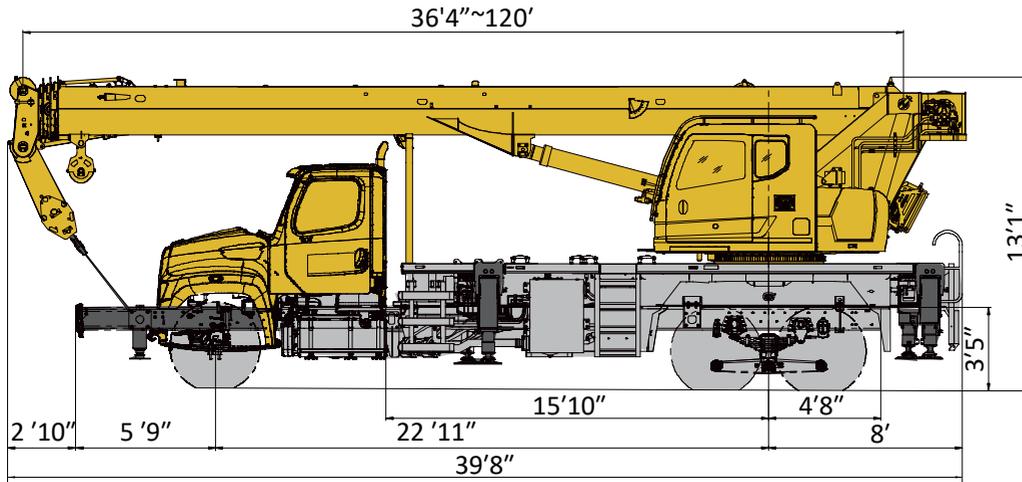
Symbol explanation:

● —it means the standard configuration;

○ —it means the optional configuration.

TECHNICAL SPECIFICATIONS

Dimensions



Truck Axle Ratings And Estimated Bare Chassis Weights

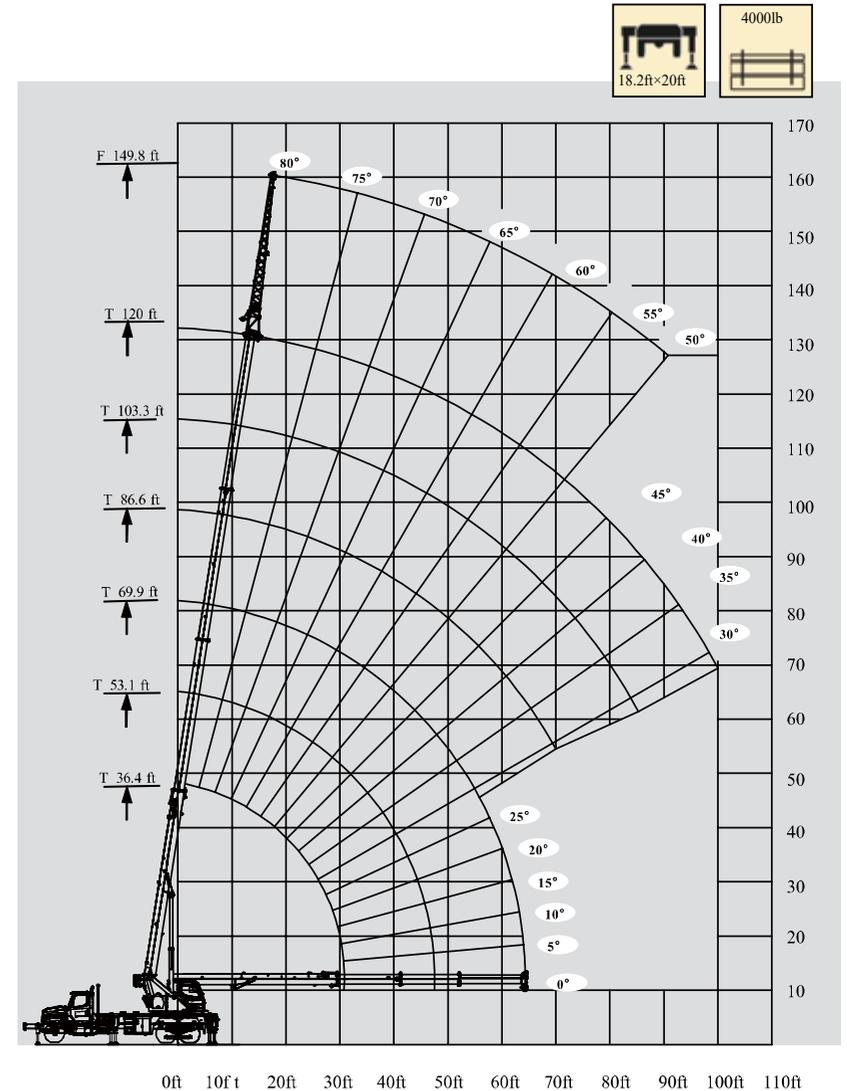


Chassis data	Front Axle Rating	Rear Axle Rating	Min truck Axle Weight -Front axle	Min truck Axle Weight -Rear axle
Weight	18000 lb	46000 lb	9150 lb	8000 lb

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



	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	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
Deductions for stowed fixed jib	540	370	280	230	190	160

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	Slewing speed		rpm	0~1.5	
	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



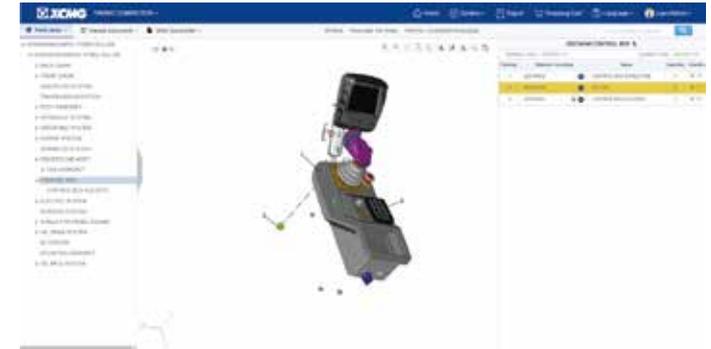
Maintenance contract



Full Range of Services Ready for You

In order to respond to your needs as fast as possible, XCMG experts can be dispatched to your job site from a facility near you. A full range of services are available to reduce your total cost of ownership and increase your revenue.

XCMG Global Spare Parts System



Professional Integrated Complete Solutions

XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery. XCMG has established a world wide service and parts network to provide support to every customer regardless of location.



Mobile cranes



Excavators



Aerial work platforms



Wheel loaders



Road machinery





 **XCMG**

