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XCMG EARTHMOVING MACHINERY BUSINESS DIVISION

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XC938E Wheel Loader



1. Scan the QR code to follow "XCMG Loading Machinery"
2. Click the "Loader King" in the lower left corner to obtain more product details after registration



































About XCMG

As a 100 billion-level leading company renowned for the largest scale, the most advanced technology, the largest export volume, and the highest competitiveness and influence in China's construction machinery industry, Xuzhou Construction Machinery Group Co., Ltd. (XCMG) not only has dominated the Chinese market for decades, but also is committed to expanding its worldwide presence as the third largest supplier in this field and 395th of Global 500.

The product portfolio offered by XCMG covers 16 categories such as hoisting machinery, excavation machinery, concrete machinery, mining machinery, earthmoving machinery, and road construction machinery, as well as three key components, i.e., hydraulic systems, transmission systems and electrical control systems. In these areas, our hoisting machinery ranks first in the world, and our complete solutions for road construction and maintenance machinery, piling machinery and concrete machinery also take the leading position in global rankings.

XCMG has been granted more than 8,000 patents in total, including more than 1,900 invention patents and more than 130 international PCT patents.

We have established our own R&D centers, manufacturing plants or KD factories in more than 10 countries, e.g., Germany, USA, Brazil and India, and have acquired 3 European companies including Schwing from Germany.

The manufacturing factory in Brazilian, which is built on a barren land with an investment of USD 350 million, has become a successful model of China-Brazil economic cooperation. At present, our products are exported to 187 countries and regions, covering 97% of the countries along the “Belt and Road”. XCMG takes the largest share of the business exported to 35 countries, with the annual export volume and overseas revenue remaining in first place and outperforming all other competitors in China.

Main features

Power train

- Engine:Weichai turbocharged engine, air to air intercooling, electronically controlled common rail, ECU intelligent control engine are adopted. The desert air filter with three-level filtration can adapt to multiple dust conditions, and is equipped with an exhaust treatment system, which is environmentally friendly, energy-saving, and powerful, meeting the requirements of Euro stage V emission regulations in Europe and America. This engine not only has high reliability and adaptability, but also has the advantages of low fuel consumption and low emissions. It can be equipped with a low-temperature starting device and is a high-quality product specially designed and manufactured for the working conditions of construction machinery.
- Transmission:Adopting a fixed axis electric control shift transmission with forward four reverse three gears and a high torque drive axle, it meets the needs of high-intensity and high-load environmental operations. This transmission has the advantages of high reliability, long service life, high transmission efficiency, easy shifting, and smooth combination. The application of a dustproof large flow respirator on the gearbox makes it easy to maintain and improve the cleanliness and reliability of the gearbox.
- Drive axle:Adopting a reinforced drive axle specifically designed for construction machinery, it has stable quality, reliable performance, and convenient maintenance.

Hydraulic system

- Adopting reliable single pump diversion and load sensing full hydraulic steering technology, the working system pressure is increased to 20.5MPa, increasing the lifting capacity. High pressure and small displacement, reducing three items and time. Integral distribution valve, manually operated, with high system efficiency, energy and fuel saving. In addition, the pipeline is optimized and improved to facilitate installation and connection, while reducing the pressure loss of the pipeline and the heating of the entire hydraulic system, reducing faults.

Brake system

- Equipped with service brake and parking brake, the service brake adopts air top oil caliper disc four-wheel brake, which has the advantages of smooth braking, safety and reliability, simple structure, and convenient maintenance. The application of a dustproof large flow respirator on the booster pump makes it easy to maintain and improve the cleanliness of components such as the booster pump.

Cab and control system

- XCMG's new micro turbocharged cab has large space, wide field of view, and good sealing performance. Adopting high-performance shock absorbers connected to the frame greatly reduces cab vibration. Mechanical shock absorption seat, comfortable to operate. Intelligent temperature control high-power heating and cooling air conditioning, with suitable operating temperature.
- The interior of the cab is spacious and bright, fully covered with exquisite interior and well-sealed. The cab and hood are subjected to damping and noise reduction treatment, resulting in low noise in the operator's ear and a comfortable and quiet operating environment. The large arc hyperboloid glass has a wide view, and the blind area around the machine is small. You can easily see the rear of the machine and the edge of the bucket, so that you can fully enjoy every pleasant driving to improve production efficiency!

Main features

Maintainability

- The entire machine is maintained at ground level or on a platform, and attention is paid to the spatial range of the maintenance area to maintain three-point contact at all times, ensuring the safety and convenience of maintenance and daily testing.
- Various maintenance points such as oil level inspection, oil addition, and lubricating grease filling are arranged in easily accessible locations, and the maintenance, disassembly, and replacement of air filter elements, electrical equipment, etc. can be easily carried out.

Frame

- The structural components and linkage mechanisms focus on the overall structural strength, and are optimized and verified through finite element analysis and load spectrum-based fatigue tests for heavy-duty loader structural components.Reduce stress concentration areas, eliminate local weaknesses, and fully ensure the strength of structural components to withstand repeated twisting and damage on uneven roads.
- The layout of the front and rear frames is reasonable, with a concise structure, strengthening important load-bearing parts and ensuring overall strength.
- Increase the distance between the upper and lower hinge pins of the hinge center, disperse and reduce the stress of the hinge pins, and improve the service life of the bearings.
- The front frame has good rigidity, providing a solid mounting base for the boom and oil cylinder, which can absorb strong torque, impact force, and loading operation force.
- Adopting welding toe fatigue life improvement technology to prevent cracking of the entire vehicle's welds under harsh working conditions.
- Powder electrostatic coating and special anti-corrosion technology solve the problem of corrosion.
- The heavy-duty chain delivery method reduces transportation pollution, improves component cleanliness, and ensures assembly accuracy.

Working device and bucket

- The working device has been optimized and adopts a Z-type reverse six link structure with a single rocker arm, short pull rod, and a horizontal boom cylinder, which has excellent operational performance and efficiency.
- The boom beam adopts rectangular tube structure, which can effectively avoid stress concentration, welding defect and other phenomena, and improve the structural strength. Various pins adopt special heat treatment processes made of special materials, which have high strength, good wear resistance, and long service life.
- The lubrication of all hinge pin shafts adopts a dustproof structure, which can effectively prevent dust and protect the lubricating grease from pollution, providing reliable protection for the hinge pin and shaft sleeve. The standard configuration is a centralized lubrication system, reducing maintenance time.
- The bucket is made of high-strength wear-resistant materials, and the bucket teeth are made of internationally renowned brands, which are more durable and sturdier.

Main component configuration

Name	Specifications	Qty	Manufacturer
Engine	WP4.6NG125E471	1	Weichai power
Transmission Torque converter	MYF130	1	XCMG Group
Drive axle	DA1130BII、DA2130BII	1	XCMG Group
Working pump	CP090250R	1	Jinan Hydraulic Pump Co.
Distribution valve	YGDF25-00D	1	Zhejiang Gaoyu Hydraulic Electromechanical Co.

Note: The entire machine is equipped with cold and warm air conditioning

Technical Parameters

Items		Parameters
Bucket capacity m^3		2.1
Rated load kg		3300
Operating weight kg		10400±200
Unloading height mm		2900
Unloading distance mm		1030
Wheel base mm		2900
Tread mm		1850
Ground clearance mm		365
Overall length mm		7250
Overall height mm		3100
Bucket width mm		2482
Unloading angle（°）		45
Max digging force kN		125
Max traction force kN		95
Tire center (turning radius)mm		5100
Boom lifting time S		≤5.0
Total cycling time S		≤9
Engine	Model	WP4.6NG125E471
	Power KW	99
	Speed r/min	2200
Km/h	F/R 1st gear	8/8
	F/R 2nd gear	15/15
	F/R 3rd gear	26/26
	F 4th gear	38



XCMG approved attachments



Genuine parts



Financial solutions



Maintenance contract



Telematics

Professional Integrated Complete Solutions

XCMG 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.



Full Range of Services Ready for you

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

XCMG Global Spare Parts System

