

SOLID TO SUCCEED

XC8-S2570 BACKHOE LOADER



**XCMG EARTHMOVING MACHINERY
BUSINESS DIVISION**

CUSTOMER SERVICE
HOTLINE (IN CHINA): **400-110-9999**

ADDRESS: NO. 99, KUNPENG NORTH ROAD, XUZHOU ECONOMIC
DEVELOPMENT ZONE, JIANGSU PROVINCE, CHINA
ZIP CODE: 221004
TEL: 0516 87938888
EMAIL: sales@xcmg.com
SITE: <http://www.xcmg.com>

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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.



Description & Features

- ▼ Relying on XCMG global R&D platform, XCMG Construction Machinery Co. Ltd., according to its deep insight of customer needs, launched a brand new XC8-S2570 backhoe loader with excellent reliability, environmental adaptability, safety, maintainability, maneuverability and cost effectiveness.
- ▼ XC8-S2570 is equipped with YUCHAI China III engine, it electronically-controlled shift transmission for backhoe loader, XCMG heavy-duty drive axle with wet brake for backhoe loader, brand new luxurious cab with super-wide field of view (FOV) and super-large-angle flip-back hood, XC8-S2570 backhoe loader can not only provide users with luxurious driving experience, but also ensure high operation efficiency. It is ideal for a variety of applications, such as municipal and highway construction and maintenance, water resources, army rescue and disaster relief operations and equipment support.
- ▼ The loading end can be equipped with optional hydraulic quick couplings to connect multi-functional bucket, closed sweeper, fork, lifting arm, bevel sweeper, log clamp, snow pusher, tree mover, manhole cover planer, etc.; while the digging end can be equipped with optional hydraulic quick couplings to connect auger, hammer, scarifier, planer and other operating tools according to different needs.

Description & Features



- ▼ Smooth-line appearance featuring XCMG family design language.
- ▼ Powerful, energy-saving and environmental-friendly China III engine, high-efficiency drive technology, able to meets operational requirements in different scenarios.
- ▼ Load-sensing hydraulic system, enabling flexible and precise control.
- ▼ 360° panorama and large-space cab designed with sealed and anti-vibration structure for comfortable and safe riding experience.
- ▼ Front and side instrument panels with large LCD screens, enabling intuitive display of the machine status and convenient human-machine interaction.
- ▼ High-strength operating units for a wide range of applications and outstanding functionality.
- ▼ A variety of operating tools available to meet the requirements of different fields and operating conditions.

Main features



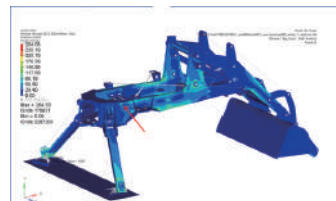
Higher power

- Equipped with an electronically-controlled turbo-charged high-pressure common rail engine, featuring extraordinary torque output to easily deal with server operating conditions;
- Power shift transmission controlled with CAN cable, ensuring perfect matching with the engine;
- XCMG heavy-duty drive axle with wet brake for backhoe loader, featuring higher load



Safety and reliability

- All key structural parts are made of high-strength steel, and the design is verified by finite element analysis (FEA) tools to guarantee high reliability. The fatigue destructive test is conducted for millions of cycles, in order to ensure normal operation in all server conditions;
- Robot-based welding for high weld consistency and stable weld quality;
- Automatic switchover to the two-wheel drive mode at high speed in order ensures economy and safety.
- Noise reduction analysis and flow field analysis for the muffler to ensure optimal performance.
- XCMG power shift transmission for backhoe loader, ensuring stable performance.
- XCMG drive axles for backhoe loader, and large-size multiply tyres with high load capacity, improving the adaptability of the machine in harsh environments.
- Integrated frame, optimized design for loading and digging units, featuring light structure and high strength, key load-bearing parts designed with enhancement to withstand torsion and impact loads and ensure higher reliability and durability even in complex working conditions.



Main features

Cost-effectiveness and efficiency

- Electronically-controlled engine with high-pressure common rail, improving combustion efficiency and cost effectiveness, and reducing fuel consumption.
- High-efficiency power matching technology, effectively reducing driving resistance and energy consumption.
- Allowing switchover between two-wheel drive and four-wheel drive, and automatic switchover to two-wheel drive at Gear 4, to ensure cost-effective loading and driving operations.
- Variable displacement load-sensing open hydraulic system, featuring high efficiency, low heat generation and less energy consumption.
- Able to reach the operation site quickly due to the increased driving speed; large tractive force and high gradeability to ensure outstanding off-road performance.
- Optimized operating units designed with eight-linkage structure, outperforming competitors in terms of main parameters such as dumping height, dumping range and breakout force; the change of the bucket angle limited within 1.5° during the lifting process to ensure excellent translational movement.
- Digging unit designed with straight-arm structure, featuring ideal digging depth and radius, wide digging range, and digging force up to 63kN to ensure high work efficiency.
- Dozens of operating tools available for the loading end and the digging end, allowing quick changeover according to different operating needs.



Aesthetic and comfortable design

- Innovative appearance and brand new cab with super-wide field of view, adopting XCMG family-style design with smooth lines and luxurious interiors. All doors and windows can be opened selectively to ensure 360° field of view; the steering column can be adjusted up and down, forward and backward; spacious legroom provides a comfortable working environment for the operator;
- Ergonomic joystick and function buttons, ensuring easy and comfortable operation;
- Concealed intelligent high-power air conditioner with heating and cooling modes, able to maintain constant temperature and defrost with warm air.



Easy maintenance

- Integrated super-large-angle flip-back hood, ensuring one-stop maintenance and simple service.
- Centralized pressure measurement system, convenient for routine inspection.
- Accessible maintenance points, ensuring easy and fast maintenance.
- CAN-bus control instruments, checking machine information with one button, supporting auxiliary fault diagnosis and analysis.



Easy to control with one hand

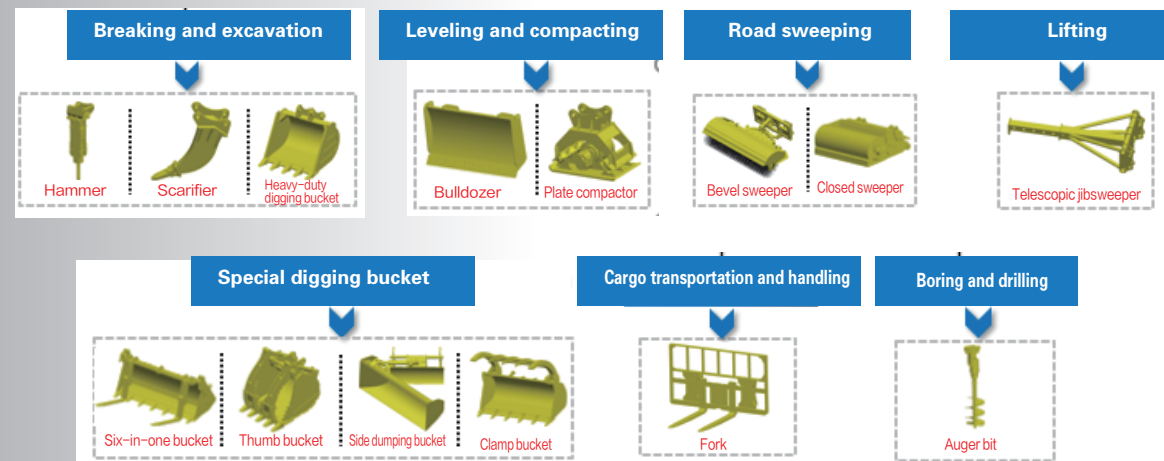
- ▼ Enable the user to check the operation and maintenance status of the machine in real time via a mobile phone, PAD, computer and other devices, and to make accurate evaluation of the project and select suitable tools accordingly through data collection and analysis.



- Optimize device matching
- Increase productivity
- Improve management efficiency
- Reduce operating costs
- Minimize operational risks
- Optimize profitability

One machine with multiple functions

- The loading and digging ends can be configured with optional hydraulic quick couplings to connect a variety of tools, realizing one machine with multiple functions.



- ▼ Provide the "full-life-cycle service" for worry-free experience in the whole service life! Build a world-wide service network covering the whole planet!
- ▼ Implement a global digital spare parts service system to provide digital services conveniently, quickly and efficiently!

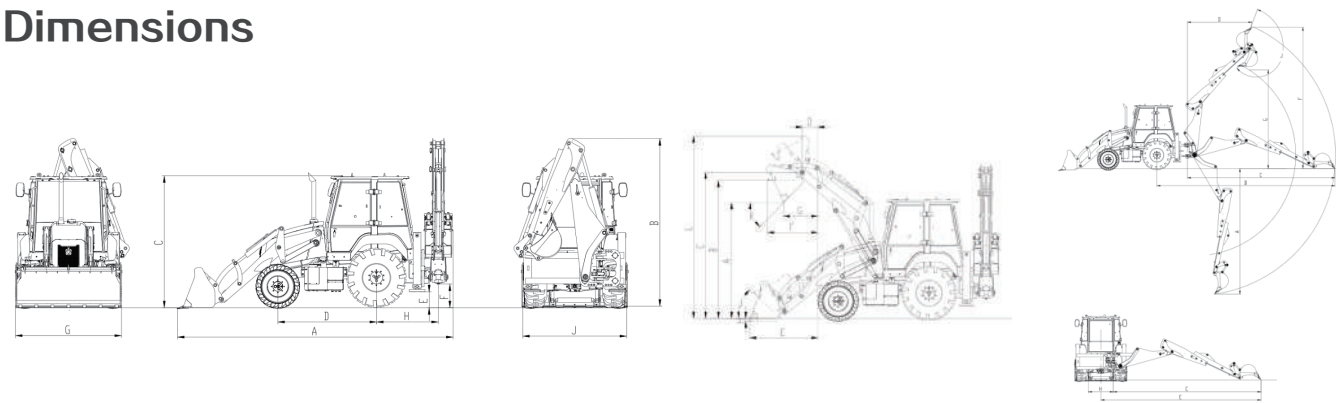


Main Specifications

OPTIMUM SERVICES XCMG GUARANTEED



Dimensions



Item	Unit	Parameter
Dimensions	mm	A Overall length 6199
	mm	B Overall height 3682
	mm	C Cab height 2868
	mm	D Wheel base 2200
	mm	E Outrigger plate ground clearance 289
	mm	F Tumbler ground clearance 479
	mm	G Bucket width 2350
	mm	H Rear overhang length 1368
	mm	J Overall width 2508
	mm	Turning radius (outside of front wheel) 3890
Loading parameters	mm	Turning radius (outside of bucket) 5240
	mm	A Max dumping height 2827
	mm	B Loading height 3364
	mm	C Max bucket pin height 3495
	mm	D Pin front span at max height 375
	mm	E Front span on ground 1577
	mm	F Front span at max height 1194
	mm	G Dumping range at max dumping height 864
	mm	H Digging depth for loading 74
	°	J Rollback angle 37
Performance parameters	°	K Dumping angle 45
	mm	L Max working height 4468
	kg	Rated load 2500
	kN	Bucket breakout force 66
	kN	Boom breakout force 48
	kg	Lifting capacity at max lifting height 3100
	m³	Bucket capacity 1.0
	s	Boom lifting time ≤5
	s	Total ≤10
	kg	Operating weight 8200

Item	Unit	Parameter
Digging parameters	mm	A Max digging depth 4351 4408 5619
	mm	B Max digging radius (from the center of rear axle) 6796 6869 8004
	mm	C Max digging radius (from turntable center) 5426 5499 6634
	mm	D Front span at highest position 1931 1990 2892
	mm	E Max side shift distance (from machine centerline) 5986 6059 7194
	mm	F Max digging height 5397 5492 6327
	mm	G Max loading height 3630 3760 4595
	mm	H Side shift distance 1120 1120 1120
	°	J Bucket rotation angle 208 208 208
	kN	Bucket digging force 63 63 63
System Parameters	kN	Arm digging force 37 37 27
	°	Rotation angle 180 180 180
	m³	Bucket capacity 0.1-0.35
	Brand	— YUCHAI
	Model	— YC4DK100-T304
	Type	— Four cylinders, turbocharged, intercooler, high pressure common rail
	L	Displacement 3.6
	—	Emission standard China III
	Brand	— XCMG
	Type	— Parallel shaft, power shift
Fuel/oil filling quantity	—	Gears Forward 4 reverse 3
	Type	— XCMG wet-type axle
	Model	— 12.5/80-18
	Model	— 19.5L-24
	Type	— Variable displacement pump load sensing hydraulic system
	Control	— Hydraulic control
	Type	— Full hydraulic steering
	Service brake	— Hydraulic wet brake
	Parking brake	— Controlled with flexible shaft
	Type	— Cooling and heating



XCMG approved attachments



Genuine parts



Financial solutions



Maintenance contract



Telematics

Professional Integrated Complete Solutions

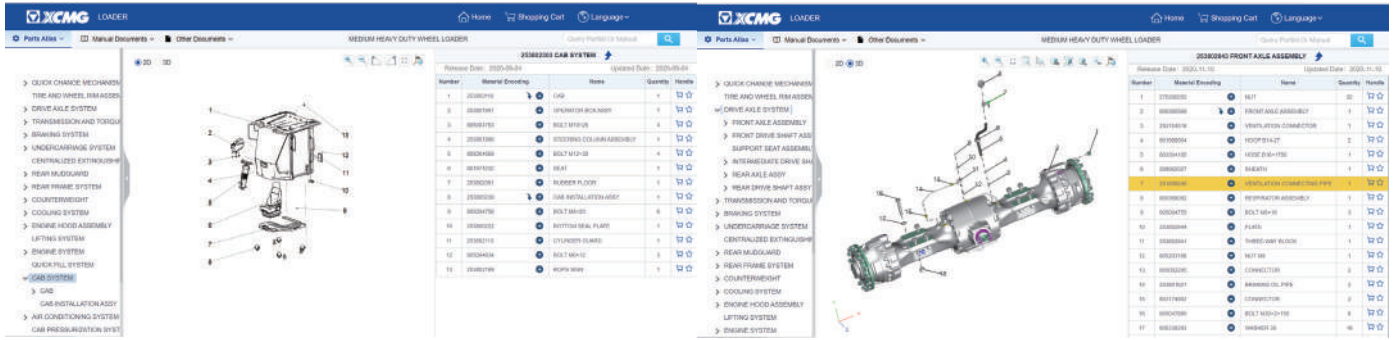
XCMG has built a strong reputation based on the quality, reliability and durability of its construction machinery. What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all customers.

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 available in order to reduce your total cost of ownership and increase your revenue.



XCMG Global Spare Parts System



- The technology of XCMG backhoe loaders is subject to constant improvement and upgrading. In case the specifications or detailed appearance contained in this brochure differ from actual products, the latter shall prevail;
- XCMG reserves the right of final interpretation for the above. Our products may be modified without prior notice to users.