

**SOLID TO SUCCEED**

# XC998



**STONE FORK LOADING MACHINE**



**XCMG EARTHMOVING MACHINERY  
BUSINESS DIVISION**

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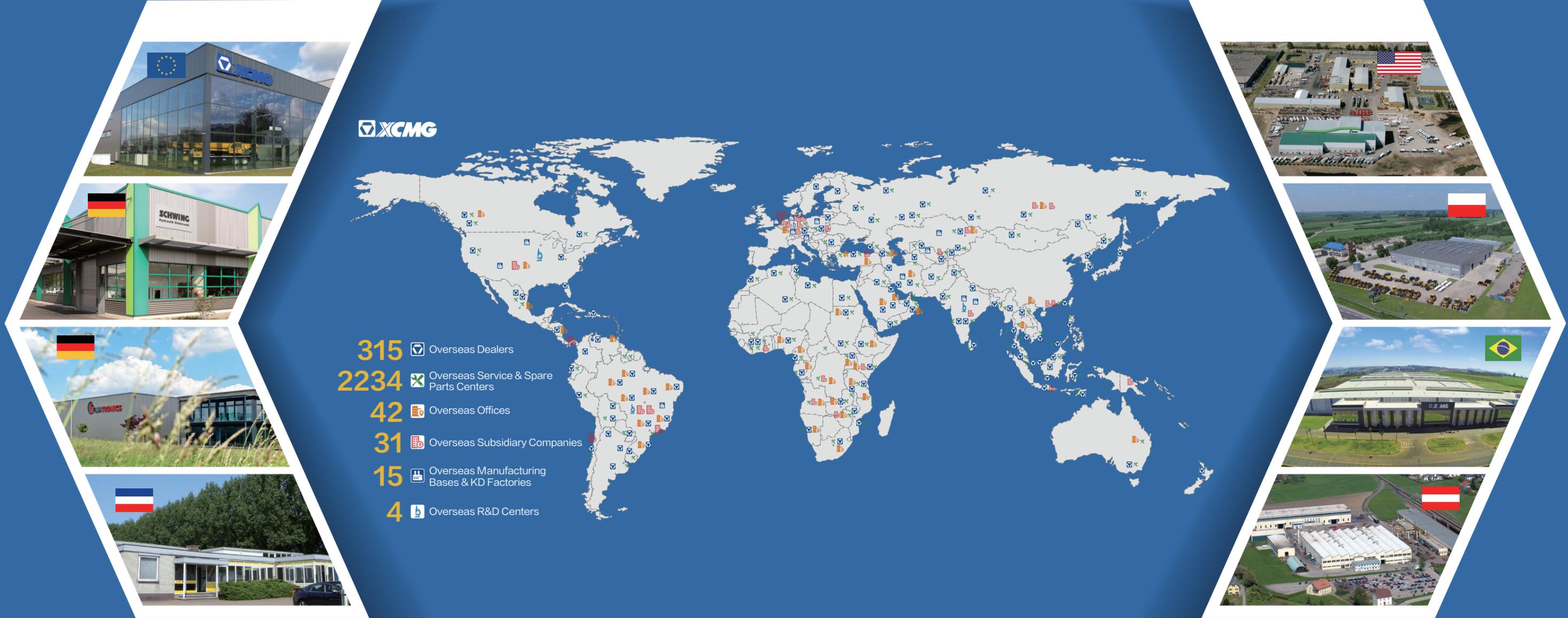
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2023-09



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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



### Engine

- Cummins EFI, turbocharged, air-to-air cooling engines meet Euro V emissions. The "swirling" three-stage air filter is adopted to adapt to the heavy dust conditions in the quarry; the focus is on improving and optimizing the power matching technology to ensure the best power performance and improve the climbing ability under full load.



### Transmission

- It adopts ZF-4WG310 electronically controlled gearbox, with four gears forward and three reverse, with functions such as KD, ICCO, neutral start protection, gear shifting gear locking, etc.; High transmission efficiency, improve work efficiency and economy; the control handle of the work device integrates the F-N-R shift function, which can quickly and easily change the driving direction of the whole machine and reduce driving fatigue.



### Drive axle

- ZF wet drive axle, the front axle is equipped with differential lock function, maintenance-free wet brake pads, which prolongs the service life of the axle; the center swing of the rear axle reduces the impact of additional torque and external load on the transmission system, "three-stage" type construction machinery drive shaft, strong impact resistance and high reliability of power transmission. Using 29.5R25 low-pressure wide-base off-road tires, the rolling resistance is small and the tire wear is effectively reduced. The rear axle can swing around the center, which has good off-road performance and passing performance, and is fully suitable for driving and working on rough roads.



### Hydraulic system

- The whole machine adopts a load-sensitive full-variable hydraulic system to eliminate overflow loss and save energy and reduce consumption. The flow amplification steering system makes steering light and flexible, reducing work fatigue.
- The steering system uses the limit stop valve first, and then the mechanical limit, so as to reduce the steering shock, improve the operating comfort and improve the reliability of the whole machine. The high oil tank improves the pump's oil absorption capacity, reduces the pollution of hydraulic oil, and prolongs the service life of the pump and hydraulic oil.
- The second steering assist system can ensure that the whole machine still has a steering function when it is towed by a trailer under the condition of loss of power, improving the safety and reliability of the whole machine.
- Hydraulic drive & electronically controlled intelligent cooling system, the fan adjusts the speed according to the cooling requirements of each system, energy saving, high efficiency, optimal performance, and the manual reversing function to facilitate radiator cleaning and reduce daily maintenance time.



### Braking System

- Full hydraulic dual-circuit wet braking system, the front and rear axle brakes are independent of each other, with low pressure alarm prompt, emergency braking and parking brake combined to ensure driving safety. The compound braking control technology minimizes the shock and heat generation during braking, and the excellent braking elements further improve the reliability of the braking system. The wet multi-disc brake is a fully sealed structure, which can effectively prevent dust and prolong the life of the system.



### Cab and control system

- XCMG's new FOPS&ROPS pressurized cab has large space and good sealing performance. The glass integral structure on both sides of the front end reduces sight separation and provides a wide field of vision. Air suspension seats with dampers and vibration-damping winches ensure driving comfort. Intelligent temperature control high-power heating and cooling air conditioner, optimized air outlet layout, comfortable operating environment, allowing you to fully enjoy every pleasant work and driving to improve production efficiency!

## Main features



### Frames

- The structure of the whole machine is scientific and reasonable, the center of gravity of the load is close to the front axle, the load-bearing force balance performance is good, and the operation is safe and reliable.
- The structural parts are improved through finite element analysis, with strong anti-overload capability, and can withstand repeated torsion and impact under turning conditions.
- The key structural parts adopt an integrated, box-type structure to ensure the requirements of heavy fork loading conditions;
- Powder electrostatic coating and special anti-corrosion technology solve the rust problem.
- The heavy-duty accumulation and release chain distribution method reduces transportation pollution, improves the cleanliness of components, and ensures the accuracy of assembly and coordination.



### Working device and bucket

- The Z-link system has been optimally designed, and adopts the double rocker arm and short tie rod Z-shaped reversed six-link structure, with a wide field of view;
- Enlarge the lifting cylinder, which has the superior performance of large lifting force and stable lifting;
- The boom is made of high-strength sheet metal, with a large safety factor;



### Centralized lubrication system

- The centralized lubrication system has an excellent performance and reliable quality. Use proper grease pump to lubricate each point regularly and quantitatively to ensure that each friction pair maintains a reliable and sufficient oil film to make it run normally.
- The automatic controller has a timer, which starts timing after the machine is started, and starts to deliver grease when the lubrication cycle reaches the set time. If the machine stops halfway, the CPU will automatically save the data, and the time will not be re-timed when the machine is started next time, and the time will be accumulated to avoid insufficient lubrication due to the working time being less than the cycle. The lubrication cycle and oil filling time can be adjusted on the control panel of the lubrication pump.



### Maintenance

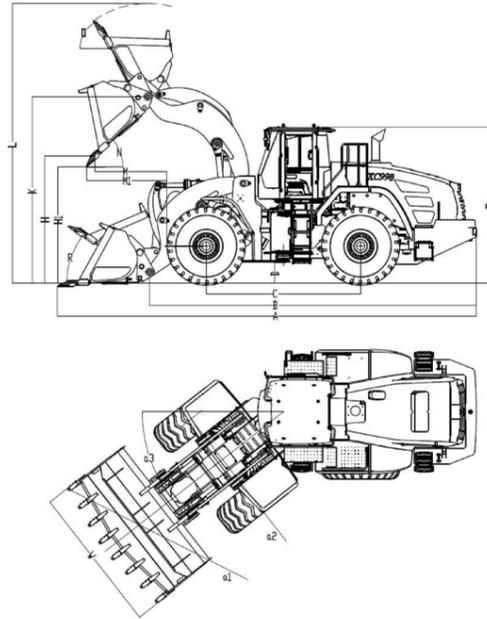
- The backward hood is easy to replace the engine oil filter and diesel filter;
- Single-layer large space radiator + can be unscrewed air conditioner radiator, easy to clean every blockage of the radiator;
- The electrical fuse box is centrally arranged, which is convenient for checking, overhauling and judging the working status of electrical components;
- The centralized pressure measurement and centralized liquid discharge function are designed to facilitate daily maintenance.



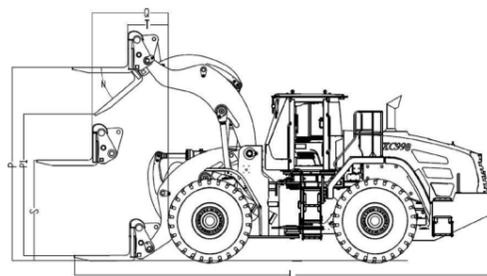
### Reversing camera and GPS function

- The advanced reversing rear-view device provides the driver with a broad rear view working field of vision, which provides reliable guarantee for safe operation. At the same time, GPS can realize remote data diagnosis function, monitor various technical parameters and operating conditions of the machine at any time, and bring good data support for maintenance.

## Main components

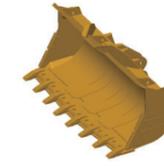


Item	Parameter
Rated bucket capacity (m <sup>3</sup> )	4.8(V Shape)
Rated load capacity (kg)	9000
Operating mass (kg)	35000
Dumping height (mm)	H 2780
	H1 3050
Dumping reach (mm)	M 1920
	M1 1750
Maximum lift position hinge pin height (mm)	K 4460
Maximum lift height(mm)	L 6700
Wheelbase (mm)	C 3700
Wheel tread (mm)	2460
Ground clearance(mm)	D 485
Minimum ground clearance (mm)	350
Overall length (mm)	A 10040
Overall length without bucket (mm)	B 7850
Overall height (mm)	F 3770
Bucket width (mm)	W 3500
Machine width (without bucket) (mm)	3350
Dump angle(°)	N 40
Buckte angle(max lift height) (°)	O 63
Buckte angle(Ground) (°)	R 38
Max. breakout force (kN)	≥270
Max. traction force (kN)	265
Steering angle (°)	±38
Turning radius	a1 ≤7850
	a2 ≤6610
Lifting time of boom (S)	≤12.5
Total cycling time (S)	≤23
Tipping load (kg)	Straight 32087
	At full turn 27495
Engine	Rated power (kW) 265
	Rated speed (r/min) 2000
Tire specification	29.5R25
Maximum	1st F/R 6/6
traveling speed (km/h)	2st F/R 11.4/11.4
	3st F/R 24.2/24.2
	4st F/- 33



Item	Parameter
Overall length (mm)	L 9600
Max. Lifting height (mm)	P 4300
Max. fork distance (mm)	T 830
Max. fork height in reach (mm)	S 2210
Max. fork distance at its highest position	Q 1630
Dumping height (mm)	P1 3225
Maximum breakout force (kN)	≥300

- The technology of XCMG loader 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.



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

