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XC8-S2570 BACKHOE LOADER



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2023-03



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

- ▼ As a new generation of flagship model developed by XCMG Construction Machinery Co. Ltd. specially for the European region, XC8-S2570 backhoe loader is innovatively designed based on adequate research on the needs of the target market, and features outstanding performance and wide adaptability.
- ▼ Thanks to PERKINS Euro V engine, XCMG electronically-controlled fixed axle box and drive axle, high-efficiency and energy-saving load-sensing hydraulic system, large-space cab, and XCMG unique appearance design, XC8-S2570 backhoe loader is widely applicable in road construction, municipal gardens, agriculture, forestry and water conservancy and other fields.
- ▼ Relying on XCMG professional power matching technology, XC8-S2570 backhoe loader is able to ensure reduced fuel consumption, but excellent power performance: a maximum tractive force up to 82kN, a maximum breakout force up to 66kN, and a maximum digging force up to 63kN.
- ▼ 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, man-hole 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 Euro V engine, high-efficiency drive technology, able to meet 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.



Advanced

- World-class brand engine featuring excellent power performance, large torque reserve, less fuel consumption, reduced noise, and low emission certified according to the Euro V standard.
- Joystick integrated into the seat, able to perform all standard and combined actions, no matter facing the loading end or the digging end.
- Electro-hydraulic proportional control, ensuring high-accuracy operation, easy combined actions and higher work efficiency.



Energy-saving

- 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.



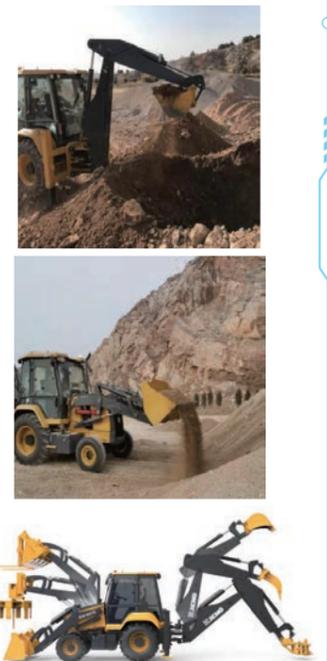
Reliable

- 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.



High efficiency

- 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.



Main features



Comfortable

- 360° panorama and large-space cab designed with sealed and anti-vibration structure, creating comfortable interior environment thanks to the noise level at the driver's ears lower than 69 dB (A).
- All instruments configured in easy-to-observe positions, and all buttons and switches arranged within easy reach, ensuring complete functions and easy operation.
- Optimized air duct flow field to ensure a refreshing feeling in all directions.
- Easy switchover between ISO and SAE modes at the digging end, adapted to the operating habits of different users.



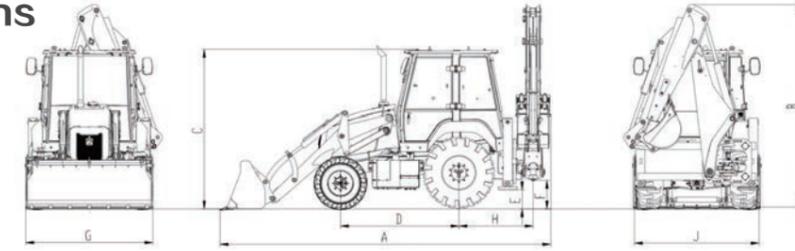
Safety

- Two-in-one cab designed with ROPS and FOPS structure, providing comprehensive protection for the driver's safety during operation and driving.
- Maintenance-free hydraulic wet brake system, with small braking distance to ensure safe driving.
- Operating unit designed with interlock function, that is, the operating unit is only allowed to perform a desired action when the seat position switch is in the set position and the corresponding action enable switch is activated, in order to ensure safe operation.



Main Specifications

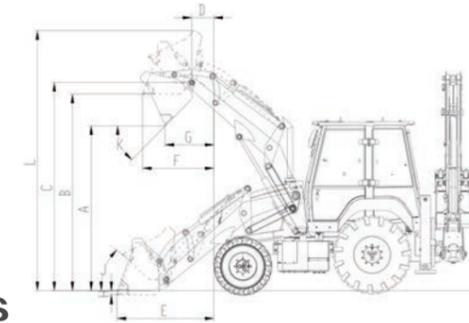
Dimensions



Specifications

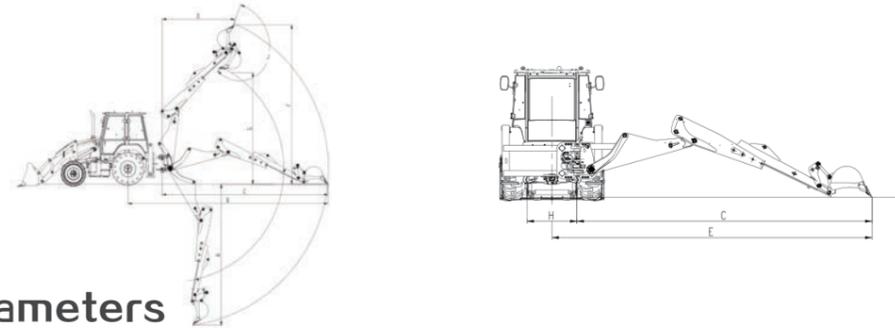
	Item	Unit	Parameter
Dimensions	A Overall length	mm	5915
	B Overall height	mm	3682
	C Cab height	mm	2868
	D Wheel base	mm	2200
	E Outrigger plate ground clearance	mm	289
	F Turntable ground clearance	mm	479
	G Bucket width	mm	2346
	H Rear overhang length	mm	1368
	J Overall width	mm	2508
		Turning radius (outside of front wheel)	mm
	Turning radius (outside of bucket)	mm	5240

Loading parameters



Specifications

	Item	Unit	Parameter
Loading parameters	A Max dumping height	mm	2827
	B Loading height	mm	3364
	C Max bucket pin height	mm	3495
	D Pin front span at max height	mm	375
	E Front span on ground	mm	1577
	F Front span at max height	mm	1194
	G Dumping range at max dumping height	mm	864
	H Digging depth for loading	mm	74
	J Rollback angle	°	37
	K Dumping angle	°	45
	L Max working height	mm	4468
	Rated load	kg	2500
	Bucket breakout force	kN	66
	Boom breakout force	kN	48
	Lifting capacity at max lifting height	kg	3100
	Bucket capacity	m ³	1.0
	Boom lifting time	s	≤4
Total cycle time	s	≤8	

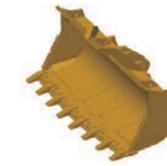


Digging Parameters

Item	Unit	Arm in standard position	Arm fully retracted	Arm fully extended
A Max digging depth	mm	4351	4408	5619
B Max digging radius (from the center of rear axle)	mm	6796	6869	8004
C Max digging radius (from turntable center)	mm	5426	5499	6634
D Front span at highest position	mm	1931	1990	2892
E Max side shift distance (from machine centerline)	mm	5986	6059	7194
F Max digging height	mm	5397	5492	6327
G Max loading height	mm	3630	3760	4595
H Side shift distance	mm	1120	1120	1120
J Bucket rotation angle	°	208	208	208
Bucket digging force	kN	63	63	63
Arm digging force	kN	37	37	27
Rotation angle	°	180	180	180
Bucket capacity	m ³	0.1-0.35	0.1-0.35	0.1-0.35

Overall Parameters

Item	Unit	Parameter	Item	Unit	Parameter	
Operating weight	kg	8600	Brand	—	PERKINS	
Max tractive force	kN	≥82	Model	—	904J-E36TA	
Max gradeability	°	≥20	Type	—	Four cylinders, turbocharged, intercooler, high pressure common rail	
Rated power	kW	74.5	Displacement	L	3.621	
Rated speed	r/min	2200	Emission standard	—	EU STAGE V	
Max torque	N.m	450	Brand	—	XCMG	
Speed at Forward Gear 1	km/h	6	Type	—	Parallel shaft, power shift	
Speed at Forward Gear 2	km/h	11	Gears	—	Forward 4 reverse 3	
Speed at Forward Gear 3	km/h	22	Drive axle	Type	—	XCMG wet-type axle
Speed at Forward Gear 4	km/h	38	Front tyre	Model	—	12.5/80-18
Speed at Reverse Gear 1	km/h	8	Rear tyre	Model	—	19.5L-24
Speed at Reverse Gear 2	km/h	14	Type	—	Variable displacement pump load sensing hydraulic system	
Speed at Reverse Gear 3	km/h	22	Control	—	Electro-hydraulic/hydraulic control	
			Type	—	Full hydraulic steering	
			Service brake	—	Hydraulic wet brake	
			Parking brake	—	Controlled with flexible shaft	
			Type	—	Cooling and heating	
			Diesel	L	166	
			Engine oil	L	8-10.6	
			Antifreeze	L	12.5	
			Front drive axle oil	L	5.7+0.7×2	
			Rear drive axle oil	L	10+1.5×2	
			Transmission oil	L	10	
			Hydraulic oil	L	95	
			DEF	L	19	



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.