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XC938E

WHEEL LOADER

Euro Stage V

- INTELLIGENCE
- HIGH QUALITY
- HIGH PERFORMANCE



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OVERVIEW

- ▶ XC938E wheel loader is a new generation of loader. XCMG makes full use of Group's international R&D platform to integrate global technology research and development resources to create international advanced and completely independent intellectual property rights. This model is powerful, rugged, energy efficient, safe and comfortable, and easy to maintain. It is the preferred production equipment for various construction projects, gravel gravel plants and municipal construction.
- ▶ XC938E is equipped with Euro V emission engine, ZF 4WG160 automatic transmission, ZF wet drive axle, electro-hydraulic proportional load sensitive hydraulic system. The whole machine has significant advantages in terms of reliability, energy saving, high efficiency and comfort, and has reached the international advanced level.



PERFORMANCE AND FEATURES

High Reliability

- ▶ Cummins B6.7 Engine, complying with Cummins B6.7 Engine providing power of complex working conditions and providing power of complex working conditions.
- ▶ Automatic 4WG 160 torque converter, reduced shifting impact in travelling for various working conditions.
- ▶ Original ZF performance wet axle, meeting high loaded working requirements.
- ▶ Full hydraulic wet brake system of high reliability and maintenance free.
- ▶ Extra heavy load frame structure design, FEA analysis on key structural to ensure strong structure and extended machine life.
- ▶ Wear-resistance and impact-resistance high strength steel plate for bucket material.

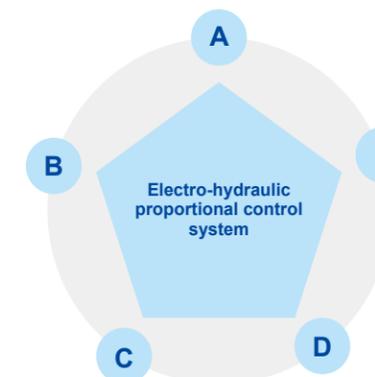


Intelligent

- ▶ The intelligent heat management system's large radiator + low-speed fan can automatically adjust the speed according to the heat dissipation requirements, so that the whole machine can quickly reach and maintain the best working condition, reduce energy consumption and reduce noise pollution. The fan has an automatic reversal function for self-cleaning in high dust environments.
- ▶ Electro-hydraulic proportional load sensitive hydraulic system provides on-demand distribution of fuel supply during steering and work unit operation. At the same time, command-based control makes the operator's work easier and more fun.

B Automatic position restriction: Realize the position memory of the boom high position, low position and bucket recovery position, so that the working device automatically moves to the set position automatically.

C Jog: Raise and lower the boom to achieve high precision jog control without affecting the maximum speed.



A Buffering function: When the boom is activated, stopped or close to the limit, the action buffer is decelerated to prevent impact and avoid severe vibration.

E Level and lift: Most machines have this function, like forklift. With this function, the machine may maintain its horizontal attitude when it completes its lifting and descending operation.

D Automatic leveling: automatic reset and leveling of the working device after unloading

Comfort Operation

- ▶ Spacious and ergonomic cab with excellent visibility.
- ▶ FOPS/ROPS cab with heat and air conditioning provides good air flow through multiple vents.
- ▶ The cab is well seated and insulated to provide a dust proof environment.
- ▶ All switches are conveniently placed.
- ▶ Digital gauges monitor the machine vital functions.
- ▶ Suspension seat with lumbar support reduce operator fatigue.
- ▶ Integrated F-N-R pilot control lever of shifting function for precise control, easy operation and high working efficiency.



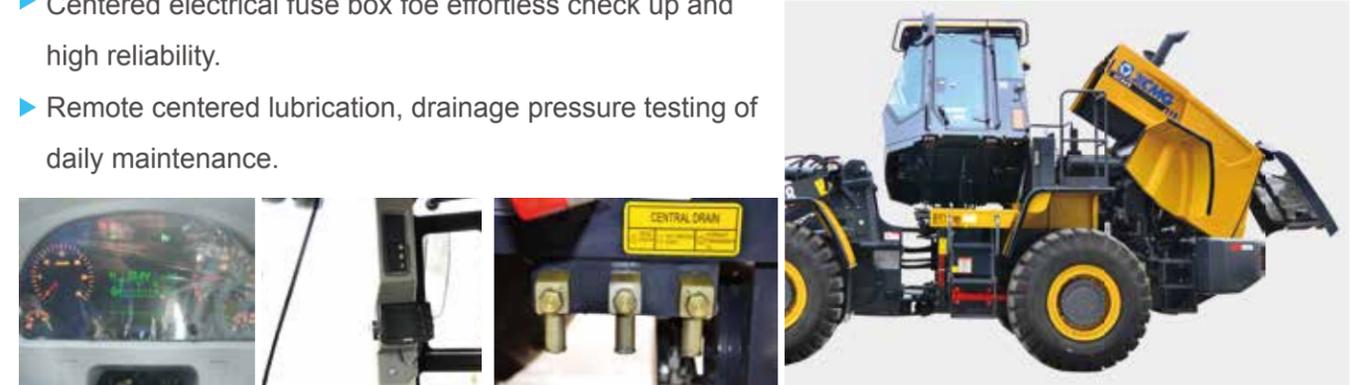
High Safety Performance

- ▶ Complying with standards of ISO 5006 operator vision field.
- ▶ Complying with standards of ISO 3449, ISO 3471, ISO 3164 ROPS/FOPS cabs.
- ▶ Complying with standard of ISO 2867, ISO 2860 ladders, passageway, operation platform and exit/ excess.
- ▶ Flame retardant material applied in cab interiors, extinguisher equipped.
- ▶ Complying with standards of ISO 10533、ISO 10570 lifting arm bracket and hinged lock devices.



Easy Maintenance

- ▶ The new digital combination meter, the vehicle running status and various types of information at a glance.
- ▶ Rear tilted side engine hood, easier engine and radiator maintenance and repair.
- ▶ Single row of large tone radiators, upturned back cover.
- ▶ Side tilted cab for easier maintenance of transmission and pipe lines.
- ▶ Centered electrical fuse box for effortless check up and high reliability.
- ▶ Remote centered lubrication, drainage pressure testing of daily maintenance.



Energy Saving

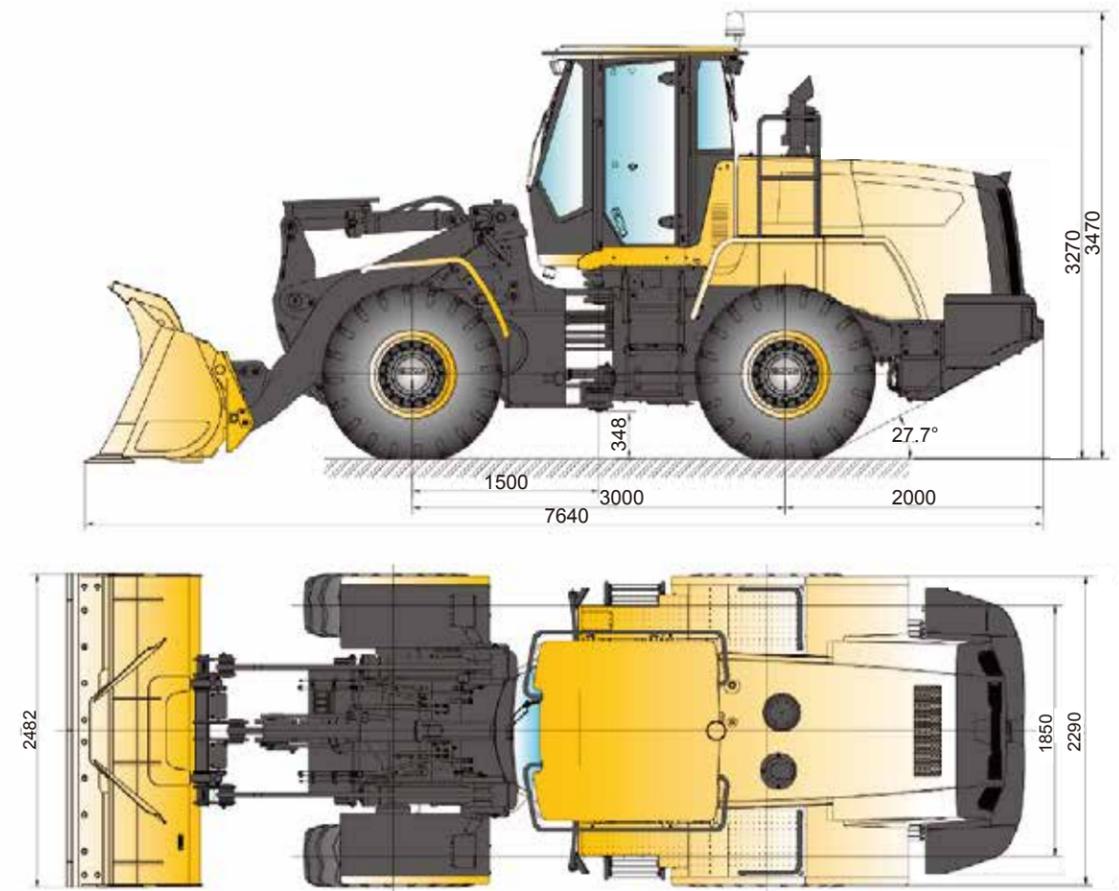
- ▶ Load sense hydraulic system featuring automatic adjusting operation condition, improving fuel efficiency.
- ▶ Intelligent independent cooling system, fan rotation on request for energy and noise reduction. Separated cooling layout with improved cooling efficiency and fuel efficiency.
- ▶ Full automatic torque converter, two working mode, enabling the operator match the optimum efficiency according to working requirement.
- ▶ Pilot control lever integrating F-N-R shifting function minimizing operation motions with higher working efficiency.
- ▶ Improved traveling performance and load retention.



TECHNICAL SPECIFICATIONS

Item	Metric	
Overall Dimensions	KC938E	
Overall length (bucket on the ground)	7640mm	
Bucket width	2482mm	
Overall height (Cab ceiling)	3270mm	
Wheel base	3000mm	
Tread	2290mm	
Min. Ground clearance	348mm	
Specifications		
Bucket Capacities	1.9m ³	
Operating weight	12600kg	
Engine	Model	B 6.7
	Rated power	99kW
	Rated speed	
Traveling speeds	Forward I / Reverse I	7/7km/h
	Forward II /Reverse II	13/13km/h
	Forward III /Reverse III	24/24km/h
	Forward IV	36km/h
Max. Tractive force	97kN	
Max. Climbing gradient	28°	
Unloading from highest position	Dumping angle	45°
	Max. Dumping height	2930mm
	Dumping reach	1010mm
Max. Breakout force	130kN	
Raising time	≤5.5s	
Total cycling time	<8.8s	
Min. Turning radius	Outside of the bucket	5915mm
	Rear outer tire	5300mm
	Center of the tyre	5045mm
Turning angle of the frames	±40°	
Tire size	17.5-25	
Inflation pressure of tire	Front wheel	0.9MPa
	Rear wheel	0.33MPa
Fuel (diesel)	220L	
Engine oil	20L	
T/M & T/C oil	35L	
Hydraulic reservoir	180L	
Single Axle	55L	

Note: the job content of standard machine is as below: moderate all kinds of lubricants, full fuel oil and the operator with the weight of 75kg.

OUTLINE DIMENSIONS

OPTIONAL CONFIGURATIONS

- 20.5R25 radial tires
- ride control system
- emergency steering system
- low temperature start system
- automatic centered lube system
- closed rear fender
- machine protection in landfill
- lengthened boom
- various buckets (or customized)
- several attached tools