



# XC958E

## WHEEL LOADER

Euro Stage V

- INTELLIGENCE
- HIGH QUALITY
- HIGH PERFORMANCE



## OVERVIEW

- ▶ XC958E 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 maintenance and is the optimal choice for ports, mines, coals, and engineering construction and so on.
- ▶ XC958E is equipped with Euro V emission engine, ZF 5WG210 automatic transmission, ZF wet drive axle, electro-hydraulic load sensing 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 5WG 210 torque converter, reduced shifting impact in travelling for various working conditions.
- ▶ 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.

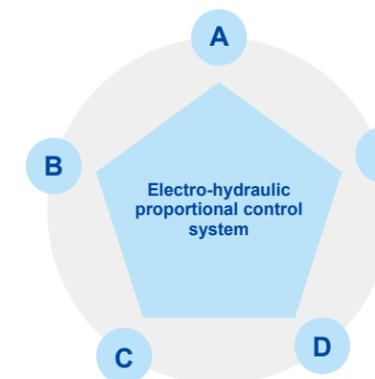


### Intelligent

- ▶ 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.
- ▶ Side-turn cab and large-angle integral rear steering hood for complete display of all key components for easy maintenance and service.
- ▶ Single row of large tone radiators, upturned back cover.
- ▶ Centered electrical fuse box for effortless check up and high reliability.
- ▶ Remote centered lubrication, drainage pressure testing of daily maintenance.



## Energy Saving

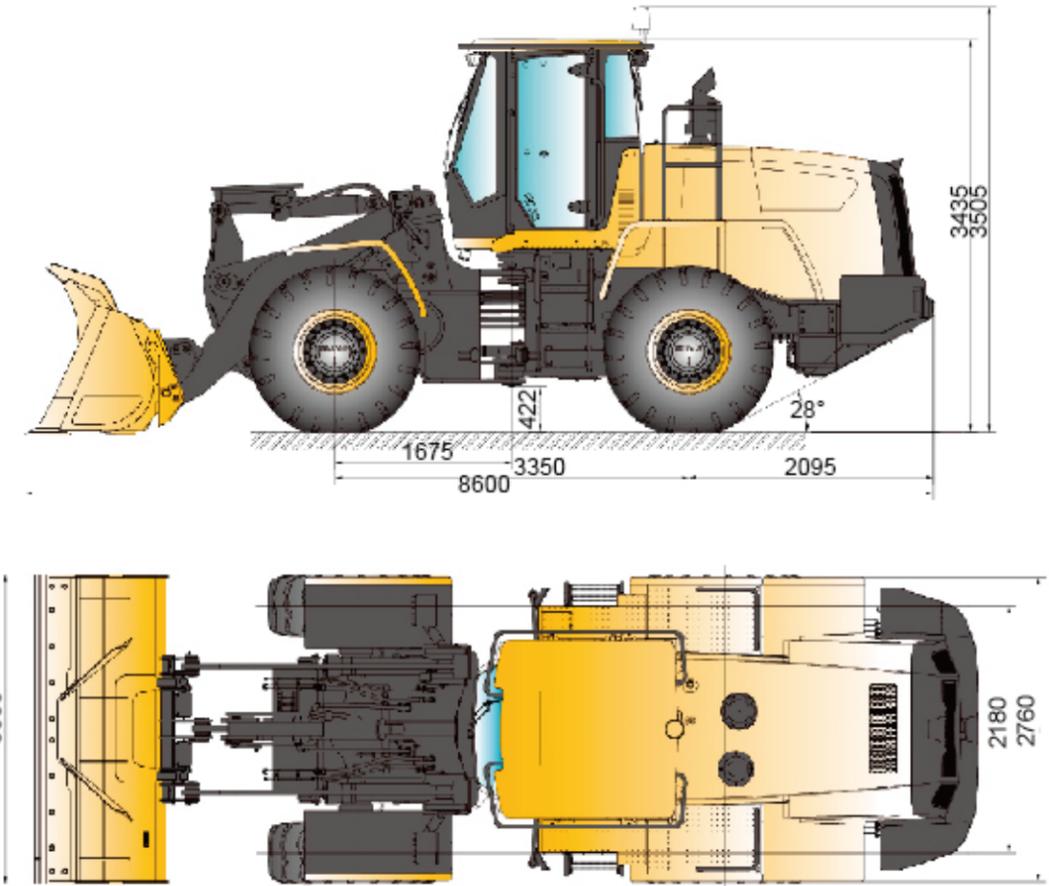
- ▶ Load sense hydraulic system featuring automatic adjusting operation condition, improving fuel efficiency.
- ▶ Intelligent independent cooling system, fan rotation on request for energy and noise reduction. Separated cooling layout with improved cooling efficiency and fuel efficiency.
- ▶ Full automatic 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	
<b>Overall Dimensions</b>	<b>XC958E</b>	
Overall length (bucket on the ground)	8600mm	
Bucket width	3000mm	
Overall height (Cab ceiling)	3435mm	
Wheel base	3350mm	
Tread	2180mm	
Min. Ground clearance	422mm	
<b>Specifications</b>		
Bucket Capacities	3.1m <sup>3</sup>	
Operating weight	19600kg	
Engine	Model	B 6.7
	Rated power	169kW
	Rated speed	2200rpm
Traveling speeds	Forward I / Reverse I	7/7km/h
	Forward II /Reverse II	12/12km/h
	Forward III /Reverse III	18/18km/h
	Forward IV	28km/h
	Forward V	40km/h
Max. Tractive force	165kN	
Max. Climbing gradient	28°	
Unloading from highest position	Dumping angle	45°
	Max. Dumping height	3100mm
	Dumping reach	1100mm
Max. Breakout force	175kN	
Raising time	<6s	
Total cycling time	<10s	
Min. Turning radius	Outside of the bucket	6800mm
	Rear outer tire	5995mm
	Center of the tyre	5695mm
Turning angle of the frames	±40°	
Tire size	23.5-25	
Inflation pressure of tire	Front wheel	0.39MPa
	Rear wheel	0.33MPa
Fuel (diesel)	300L	
Engine oil	20L	
T/M & T/C oil	36L	
Hydraulic reservoir	200L	
Single Axle	45L	

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**

- 23.5R25 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