



XC958-EV

Electric Wheel Loader



Rated Load 5800kg

Rated Power 280kW

Bucket Capacity 3.0m³



SOLID TO SUCCEED



XCMG OFFICIAL WEBSITE



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PRODUCT HIGHLIGHT

The XC958-EV electric loader is developed through extensive enhancements based on XCMG's third-generation pure electric loader. It features an integrated dual-travel motor design with no transmission and an independently enhanced control system, which delivers stronger operational performance. It utilizes LFP batteries and supports dual-gun fast charging.

DRIVELINE

Travel Motor: The upgraded dual-motor integrated drive technology delivers high torque and fast response. The dual-motor system on the rear frame provides enhanced reliability. A protective plate is installed at the bottom of the motor to withstand harsh working conditions. The motor adjusts speed in real-time based on throttle opening, enabling stepless speed control of the entire machine.
Drive Axle: The XCMG self-developed reinforced drive axle features an enlarged housing cross-section for 10% higher load capacity and bending resistance. The wheel end adopts a four-planetary-wheel structure to withstand greater loads. The axle assembly incorporates locating pins to share impact loads. A three-stage heavy-duty transmission shaft guarantees high reliability.

HYDRAULIC SYSTEM

The dual-pump convergence flow constant hydraulic system with pilot control ensures precise, effortless operation. The FNR joystick offers convenient gear shifting and a one-button hydraulic motor speed boost function to enhance efficiency. The advanced sensor-steering system enables excellent maneuverability, while international-standard sealing technology prevents leakage.

ELECTRICAL SYSTEM

The 282-357 kWh LFP battery supports dual-gun fast charging with the BMS intelligently controlled thermal management system for safety. It features an LCD touchscreen displaying real-time parameters like battery level, motor and controller temperature, and motor speed. Fully sealed connectors enhance dustproof and waterproof performance. An integrated fuse box simplifies inspection and maintenance.

CAB AND CONTROL SYSTEM

The pressurized cab offers a spacious interior and excellent visibility. The high-performance double slide shock absorption seat with a multi-directional adjustable steering column, meets the needs of different operators. The cab features a follow-up operation box, air conditioning, a radio, a storage box, and a cup holder. It is designed to reduce noise and block dust for a comfortable and safe environment.

FRAME

The front and rear frames feature a heavy-duty design with thick steel plates for high strength and carrying capacity. The optimized structure reduces irregular welding seams and enhances the robustness of critical components, demonstrating exceptional performance under torsion and impact loads. The increased distance between upper and lower hinge pins reduces stress on the hinge pins, prolonging the bearings' lifespan. Double-tapered roller bearings offer greater load capacity and driving stability.

WORKING DEVICE AND BUCKET

The Z-type reversing six-rod structure features a single rocker arm, short drawbar, and horizontal boom cylinder, enhancing operational performance and efficiency. The two-stage dustproof structure at main articulation points prevents dust and protects grease from contamination. The pin lubrication uses oil injection from the flange, eliminating lubrication holes and strengthening the pin.

BRAKE

The service brake adopts a hydraulic-controlled, caliper-disc type four-wheel braking system, delivering powerful braking force while reducing the load on each brake piston for enhanced durability. The parking brake utilizes a hydraulic-controlled hand brake, ensuring safety and reliability.

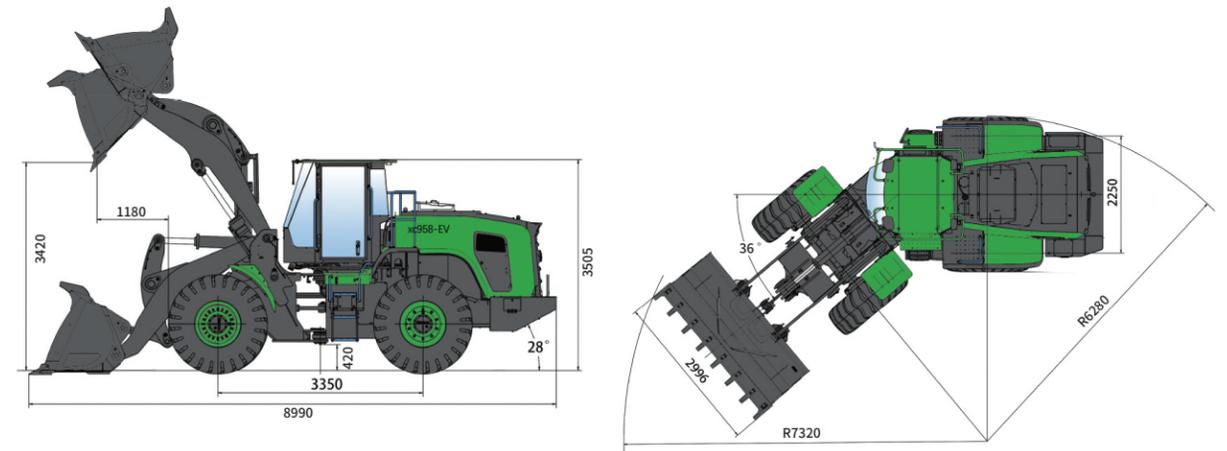
MAINTENANCE

The electric back-flip hood, with an opening angle of up to 65°, allows for easy access to the multi-function controller, battery BMS system, hydrocooler unit, battery, PDU fuses, and other components for maintenance when opened.

VERSATILITY

The XC958-EV electric loader offers optional configurations including high lift, side lift, clamp attachments, and buckets with capacities ranging from 2.5 to 5.0 m³, meeting diverse operational requirements.

MAIN PARAMETER



Item	Unit	XC958 EV
Main Parameter	Bucket Capacity	m ³ 3.0
	Rated Load	kg 5800
Travel Motor	Rated Power	kW 200
Hydraulic Motor	Rated Power	kW 80
Battery	Battery Capacity	kWh 350
	Voltage	V 580
Main Performance	Operating Weight	kg 19180 ± 300
	Tipping Load (Fully articulated)	kg ≥ 11600
	Dumping Height	mm 3420
	Dumping Reach	mm 1180
	Wheelbase	mm 3350
	Wheel Track	mm 2250
	Max. Traction Force	kN ≥ 167
	Max. Breakout Force	kN ≥ 177
	Turning Radius (Tyre Center)	mm 6280
	Turning Radius (Over Bucket)	mm 7250
Sound	Boom Lifting Time	s ≤ 5
	Total Cycle Time	s ≤ 9.7
	Max. Gradeability	° 27 ± 1
	Steering Angle	° 36 ± 1
	Min. Ground Clearance	mm ≥ 420
	Sound Pressure Level	dB(A) ≤ 70
Travel Speed	Radiated Sound	dB(A) ≤ 100
	Forward I/II	km/h 17/34
Dimensions	Reverse I/II	km/h 17/34
	Length × Width × Height	mm 8990 × 2996 × 3505

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