



XC938

WHEEL LOADER

Rated Power 119kW at 2,200 rpm
Bucket 2.2m³
Operating Weight 14000kg
Rated Load 3500kg



www.xcmg.com

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*Standard and optional equipment may vary. Contact your XCMG dealer for more information. The machine may vary according to international standards.

*The photos may include attachments and optional equipment that are not available in your area.

*Materials and specifications are subject to change without advance notice.

*All imperial measurements rounded off to the nearest pound or inch.

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PRODUCT HIGHLIGHTS

XC938

EXCELLENT PRODUCTIVITY AND FUEL EFFICIENCY

- Pilot lock
- Quantitative hydraulic system control
- Tier-III Engine

HIGH RELIABILITY AND DURABILITY

- Reinforced wet drive axle
- Optimized three-section drive shaft
- High quality hydraulic hose
- Limited slip differential



EASY CONTROL AND COMFORTABLE OPERATION

- FNR pilot joystick
- Fully adjustable air suspension seat and armrest
- Stabilizer module (Standard)
- Automatic lubrication system (Standard)
- New-type air conditioning system
- Full sound-proofed spacious ROPS/FOPS cab
- Combined dashboard
- Weighing system
- Steering limit

THE ULTIMATE SAFE ENVIRONMENT

- Emergency stop
- Radar (Optional)
- ROPS and FOPS cab

SERVICEABILITY AND TELEMATICS

- ECD (Engine connection diagnostics)
- Fully openable engine hood
- Easy-to-change filters
- Wide core & fin radiator

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EXCELLENT PERFORMANCE

Pilot lock

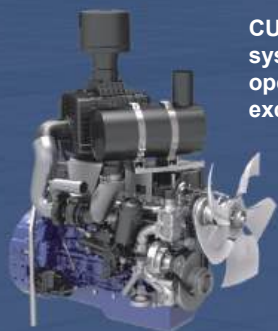
No movement of the joystick after closure for safe servicing

Quantitative hydraulic system control

The variable hydraulic system offers easy and comfortable operation, flexible steering, and excellent energy efficiency.



Tier-III Engine



CUMMINS The variable hydraulic system offers easy and comfortable operation, flexible steering, and excellent energy efficiency.

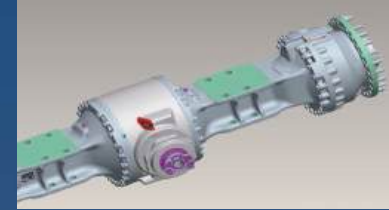


HIGH RELIABILITY AND DURABILITY



Reinforced wet drive axle

XCMG's reinforced wet drive axles feature a strengthened axle shell structure and optimized materials for high strength and superior ductility.



Optimized three-section drive shaft

Three-section drive shaft is adopted to distribute the force on the drive shaft when steering; the key block structure is adopted at the connection of the drive shaft, which has a good anti-loosening effect and makes the torque transmission more stable and reliable.



High quality hydraulic hose

The inner layer of the hydraulic hose is made of oil-resistant synthetic rubber, and the outer layer is made of abrasion-resistant and anti-aging synthetic rubber. This allows the hose to withstand harsh working conditions and pressure.

Limited slip differential

Improve the operability and reliability of the whole machine

EASY CONTROL AND COMFORTABLE OPERATION



FNR pilot joystick

Pilot handle with FNR button is adopted for easy and efficient one-handed operation



Fully adjustable air suspension seat and armrest

High-performance air suspension seat shock-absorbing seats are used, which can be adjusted for both front and rear positions as well as softness and hardness. The seat back angle is adjustable, and the armrest box and seat can be adjusted together while also independently adjusting the handle position, meeting the needs of different operators.



Stabilizer module (Standard)

Stabilizer module is installed to effectively absorb the impact of the working device cylinders during transportation, thereby improving the overall stability of the machine.



Automatic lubrication system (Standard)

Centralized lubrication system that allows adjustable lubrication intervals is adopted; a combination of automatic and manual lubrication methods is adopted to enhance the reliability of the lubrication system.





New-type air conditioning system

Dual-purpose air conditioning system with both cooling and heating functions, featuring all-round air outlets for comfortable temperature control. Equipped with an electric water valve for easy operation.

Full sound-proofed spacious ROPS/FOPS cab

The new design of the cab features an attractive appearance, spacious interior operating space, and a wide field of vision. The framework is constructed using rectangular profiled tubes and floor integrated welding techniques, conforming to ROPS/FOPS standards. The cab is equipped with micro-pressurization technology, effectively isolating external dust.

Combined dashboard

The system connects the engine, transmission, and other controllers through the CAN bus, allowing real-time equipment status monitoring and malfunction alarms.



Weighing system

Optional weighing system, multiple accounts and products can be set to facilitate the adaptation of different working conditions

Steering limit

The steering system is equipped with hydraulic soft-limit function, which reduces the rigid impact when steering and makes the steering smooth and comfortable.

Independent cooling system (Standard)

Intelligent independent cooling system is adopted, the fan speed is automatically adjusted according to the engine water temperature, intake air temperature, torque converter oil temperature, etc., realizing the intelligent matching between the fan speed and the cooling demand of the system, and with the reverse self-cleaning function.



THE ULTIMATE SAFE ENVIRONMENT

Emergency stop

The cab is equipped with an emergency stop button on the inside and outside of the cab, which facilitates the engine shut-down in case of emergency and improves safety.



ROPS and FOPS cab

The cab, certified with ROPS and FOPS, is sturdy and durable, capable of withstanding severe impacts, ensuring your safety and peace of mind during operations.



SERVICEABILITY AND TELEMATICS

ECD (Engine connection diagnostics)

There is an engine diagnostic interface inside the cab, which can diagnose engine faults after connecting to a computer.

Fully openable engine hood

The large-angle rear tilting hood allows easy access to the engine, radiator, and other components as they are exposed when the hood is opened. This design facilitates convenient and quick maintenance and servicing.



Easy-to-change filters

The rear tilting hood design allows easy access to the engine and transmission filter, facilitating convenient maintenance and replacement.



Wide core & fin radiator

The radiator is designed with a finned structure and an enlarged radiator core, providing a large heat dissipation area. Each core is constructed in a modular design, allowing for easy replacement when needed.



Technical Specifications

MODEL	Parameter
Operating weight	14000kg
Rated load	3500kg
Bucket capacity	2.2m³
Bucket breakout force	125kn
Tipping load	Straight over 8,000kg
	Full-steering over 7,020 kg

ENGINE	Parameter
Type	6-cylinder inline four-stroke turbocharged, air-to-air intercooled, electronically controlled common rail
Max power	9119kW @ 2,200 rpm
Rated power	9119kW @ 2,200 rpm
Peak torque	720 N · m at 1,500 rpm
Displacement	5.9L

TRANSMISSION	Parameter
4-speed transmission	Full automatic transmission
Travel speed	Speed (km/h)
Forward	7
	13
	24
	38
Reverse	4
	14
	25
Brake distance	Less than 11 m

AXLES	Drive axle
Drive system	Four-wheel drive
Front axle	Fixed
Rear axle	Oscillation angle 12°
Hub reduction (wheelside reduction ratio)	Wheel-side planetary speed reducer
Differential	Front:common differential (Limit slip optional);Rear :common differential

CAB	
ROPS / FOPS meet ISO 3471 and ISO 3449	
SERVICE REFILL CAPACITIES	Parameter
Fuel tank	220L
Cooling system	40L
Engine Oil	20L
Transmission	40L
Front axle	30L
Rear axle	30L
Hydraulic tank	85L
Hydraulic system(Including tank)	120L

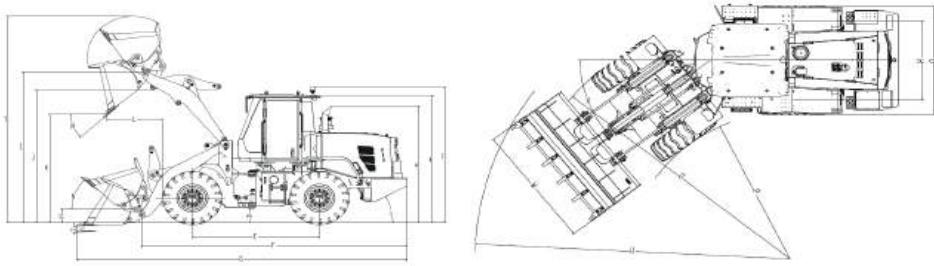
BRAKE	
Service brake	Four-wheel full hydraulic wet brake with great heat dissipation ensures a safe and reliable brake.
Parking brake/Emergency brake	Electronically controlled hydraulic parking brake

HYDRAULIC SYSTEM	Parameter
Type	Variable pressure hydraulic system
Pump	Piston pump
Control valve	3 Multi-way valve
System pressure	17.5
Lift circuit	Lifting circuit for lifting, holding, lowering and floating of the arm
Tilt circuit	Tipping cylinder circuit for collecting, holding and tipping the bucket
Cylinder	Type' double acting
	Lift - 2-125 x 737mm
	Tilt - 1-140 x 719mm
Hydraulic cycle time with rated load	5.5Sec lifting
	4 Sec lowering
	2.5 Sec tipping
	Total: 12 Sec.

STEERING SYSTEM	Parameter
Type	Load-sensitive steering system
Pump	Variable displacement pump
Rated oil quantity	138.6 L/min
System pressure	180 bar
Cylinder	Double acting
Steering angle	40° to both right and left angle, respectively
Features	Center-point frame articulation. Tilt and telescopic steering column

Parameter	
Guaranteed noise level presented below can be differed depending on arange of factors such as operating condition, speed of a cooling fan, types of engine and so forth. Hearing protection shall be necessary if an operator is working in the improperly maintained cabin or exposed to a noisy environment by leaving doors and/or windows open.	
Exterior sound power level at cooling fan max. speed	112dB
Operator sound pressure level (ISO 6396:2008)	79 dB
Exterior sound power level (ISO 6395:2008)	104 dB

Technical Specifications



DIMENSIONS & SPECIFICATIONS			Standard Boom	
A	Height - top of exhaust pipe	mm	3207	
B	Height - top of cab	mm	3401	
C	Height - top of warning light	mm	3689	
D	Ground clearance	mm	391	
E	Wheel base	mm	3000	
F	Overall length (without bucket)	mm	6536	
G	Transportation length (bucket flat on the ground)	mm	8132	
H	Pivot height with flat bucket	mm	470	
I	Pivot height at maximum lifting	mm	4050	
J	Lift arm clearance at maximum lifting	mm	3445	
K	Dumping clearance for maximum lifting and 45° dumping	mm	2890	
L	Dumping reach for maximum lifting and 45° dumping	mm	1176	
M	Dumping angle for maximum lifting and dumping	Degree	45	
N	Rollback angle	Ground	Degree	43
		Carry	Degree	48
O	Radius of the outside of tyre	mm	5414	
P	Radius of the inside of tyre	mm	2896	
Q	Overall width	mm	2450	
R	Wheel track	mm	1930	
S	Digging depth	mm	80	
T	Maximum lift height	mm	5446	
U	Turning radius (outside of bucket)	mm	6160	
V	Gradeability	Degree	28	
W	Bucket width	mm	2550	
X	Steering angle	Degree	38	

ENGINE	STD	OPT
UMMINS / QSB6.7-C130-30	•	
POWER TRAIN	STD	OPT
Transmission F4/R3, computer-controlled, electronic soft-shift, manual shift function	•	
Torque converter	•	
Transmission oil level inspection	•	
Transmission oil cooler	•	
Front axle		
Limited slip differential		•
Rear axle		
Conventional type	•	
BRAKE		
Service brake (Enclosed wet-disc)	•	
Parking brake	•	
TYRES		
17.5R25, L3, ★★	•	
Hydraulic system	STD	OPT
Boom lift limit, automatic	•	
Bucket leveling, automatic	•	
Diagnostic pressure fittings	•	
Hydraulic oil cooler	•	
Hydraulic oil level gauge (Liquid level indicator)	•	
Pilot control (joystick)	•	
Stabilizer module system	•	
Third hydraulic system	•	
Automatic lubrication system	•	
Safety	STD	OPT
Emergency stop	•	
Emergency steering	•	
Rear view camera	•	
Fire extinguisher		•
Boom safety bar	•	
OBJECT DETECTION		
Radar + Auxiliary display		•
TELEMATICS		
ECD (Engine connection diagnostics)	•	
OTHER	STD	OPT
Intake preheating	•	
Fuel tank cap lock	•	
Electric horn	•	
Tool kit	•	
BUCKET		
2.1m³ quick tooth/blade bucket	•	
1.8m³ quick tooth/blade bucket		•

CAB & INTERIOR	STD	OPT
SWITCHES		
Parking	•	
Battery master switch	•	
FNR gear	•	
Emergency steering	•	
Main light	•	
Working light	•	
Weighing system		•
Mirror heating		•
Rear wiper	•	
Stabilizer module	•	
Rotating beacon	•	•
Camera	•	
CAB (SOUND SUPPRESSION)		
ROPS/FOPS cab	•	
Coat hook	•	
Rear view mirrors (2 Outside, heated)		•
Steering wheel, thinable and telescopic	•	
Roller sunshade (Front window)	•	
Roller sunshade (Rear window)	•	
Tinted safety glass	•	
Magazine pouch	•	
Radio/USB player	•	
Wrist supports and armrests	•	
24 V to 12 V DC converter (20 A)		•
DOOR		
Door and cab lock, one key	•	

CABIN & INTERIOR	STD	OPT
ALARM, AUDIBLE AND VISUAL		
Air filter clogging (Mechanical standard, electronic optional)		•
Battery voltage	•	
Brake oil pressure (Low pressure alarm light display)	•	
Engine oil pressure	•	
Fuel level	•	
Engine coolant temperature	•	
Emergency warning lamp	•	
Transmission error codes		•
Transmission oil temperature	•	
BATTERIES		
120Ah, 12V	•	
GAUGES		
Engine coolant temperature	•	
Fuel level	•	
Engine tachometer	•	
Engine oil pressure gauge	•	
Battery voltmeter	•	
Transmission oil temperature	•	
INDICATOR		
Parking brake		•
High beam	•	
Turn signal light	•	
Seat belt ON/OFF		•
Stabilizer module	•	
LCD Display		
Parking brake	•	
Fuel tank indicator	•	
Hour meter	•	
LIGHTING SYSTEM		
2 Headlights (LED)	•	
1 LED dome light	•	
Rear combination lights (2 each of reverse, turn signal, position, and brake lights)	•	
2 Front roof working lights (LED)	•	
2 Rear roof working lights (LED)	•	
2 Working lights on rear hood	•	
IGNITION		
Keys	•	

Automatic air conditioning control	STD	OPT
Air conditioner & heater	•	
Wiper and washer, front and rear (Constant)	•	
SEAT		
3-point retractable seat belt & adjustable air		•
PERSONAL STORAGE SPACE		
Console box		
Cup holder	•	
PEDALS		
One brake pedal		•
Dual-brake pedal	•	
OTHER	STD	OPT
Counterweight		
Counterweight	•	
Counterweight - Heavy-duty		•
Traction bar with pin		•
ERGONOMICALLY AND SLIP RESISTANT PLATFORM, LEFT & RIGHT		
Handrails / Ladders / Platforms / Steps	•	
GUARDS		
Fenders (Front/Rear)	•	
Under Guard (E/G, T/M)		•
Mudguard		•
TELEMATICS		
ECD (Engine connection diagnostics)	•	