

XC948Pro

WHEEL LOADER

Rated Power 142kW at 2,200 rpm
Operating weight 17000kg
Rated load 4500kg
Bucket capacity 2.4m³

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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

XC948Pro

EXCELLENT PRODUCTIVITY AND FUEL EFFICIENCY

- Pilot lock
- Variable hydraulic control
- Tier-III engine

HIGH RELIABILITY AND DURABILITY

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

EASY CONTROL AND COMFORTABLE OPERATION

- Adjustable air-suspension seat and arm+A27+A29:A37
- Stabilization module (standard equipment)
- Automatic lubrication system (standard equipment)
- New air conditioning system
- Fully enclosed, sound-insulated and spacious cab
- LED display screen
- Weighing system
- Steering limit
- Independent heat dissipation (standard equipment)

THE ULTIMATE SAFE ENVIRONMENT

- Emergency stop
- Radar (Optional)

SERVICEABILITY AND TELEMATICS

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



EXCELLENT PRO- DUCTIVITY AND FUEL EFFICIENCY

Pilot lock

No movement of the joystick after closure for safe servicing

Variable hydraulic control

It adopts a variable hydraulic system, featuring light and comfortable operation, flexible steering, as well as energy conservation and consumption reduction.



Tier-III engine

DONGFENG CUMMINS QSB6.7 China III engine with air-to-air intercooling and electronically controlled high-pressure common rail is adopted; the rated power is 142kW, which meets the demand of heavy-duty use.



HIGH RELIABILITY AND DURABILITY

Reinforced wet drive axle

XCMG designed reinforced wet drive axles are adopted to reinforce the axle shell structure and material for high strength and good ductility; a circulation system with a forced internal lubrication structure is adopted to ensure sufficient lubrication of the drive axle while also providing cooling and excellent heat dissipation



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.



EASY CONTROL AND COMFORTABLE OPERATION

Adjustable air-suspension seat and arm+A27+A29:A37



Stabilization module (standard equipment)

Equipped with a stabilization module, it effectively absorbs the impact of the working device's oil cylinder during transportation, improving the stability of the entire machine.

Automatic lubrication system (standard equipment)



New air conditioning system

The air conditioning system for both cooling and heating is featured with all-round air outlets, providing comfortable cooling and heating. It uses an electric water valve for easy operation.

Fully enclosed, sound-insulated and spacious cab

The new cab has an attractive appearance, with a large internal operating space and a wide field of vision. Its framework adopts a welding process that integrally joins rectangular profile tubes with the floor, complying with ROPS/FOPS standards. The cab employs micro-pressurization technology to effectively isolate external dust.

EASY CONTROL AND COMFORTABLE OPERATION



LED display screen

Through the CAN bus, it connects the controllers of the engine, gearbox, etc., to display the real-time operating status of the entire machine and is equipped with a fault alarm function.



Weighing system

An optional weighing system is available, which can set up multiple accounts and products to facilitate adaptation to different working conditions.

Steering limit

The steering system is equipped with a rubber soft limit function, reducing rigid impact during steering and ensuring smooth and comfortable steering.



Independent heat dissipation (standard equipment)

An intelligent independent heat dissipation mode 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 system cooling demand. It also has a 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 shutdown 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

ECD (Engine connection diagnostics)

There is an engine diagnostic interface reserved inside the cab, which can diagnose engine faults after connected 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	17000kg
Rated load	4500kg
Bucket capacity	2.4m ³
Tipping Load	Full-steering over 9000 kg

Engine	Parameter
Manufacturer/Model	CUMMINS QSB6.7
Type	Inline 6-cylinder four-stroke turbocharged, air-to-air intercooled, electronically controlled common rail
Rated power	146kW at 2,200 rpm
Max. power	142kW at 2,200 rpm
Peak torque	931Nm at 1400 rpm
Displacement	6.7L

Drive system	Parameter	
Model	4BP190	
Category	Fully-automatic electric control box	
Gear	Speed (km/h)	
Travel speed	1st (F/R)	7/7
	2nd (F/R)	13/13
	3rd (F/R)	24/24
	4th (F/-)	36
Brake distance	Less than 11 m	

AXLES	Parameter
Drive system	Four-wheel drive
Front axle	Fixed
Rear axle	Oscillation angle 12°
Differential	Front axle limited slip differential, rear axle common differential

Brake system	Parameter
Traveling brake	Four-wheel full hydraulic wet brake system is adopted, featuring excellent heat dissipation performance and reliable braking safety.
Parking brake	Hydraulic control, spring-applied braking system.

Cab	Parameter
	The cab complies with ROPS & FOPS standards. It is equipped with front and rear sunshades, interior mirrors, a breaker, coat hooks, etc. The cab features a front-rear adjustable steering column, an airbag shock-absorbing seat, and an operating box that links with the seat, ensuring comfortable driving and riding experience.

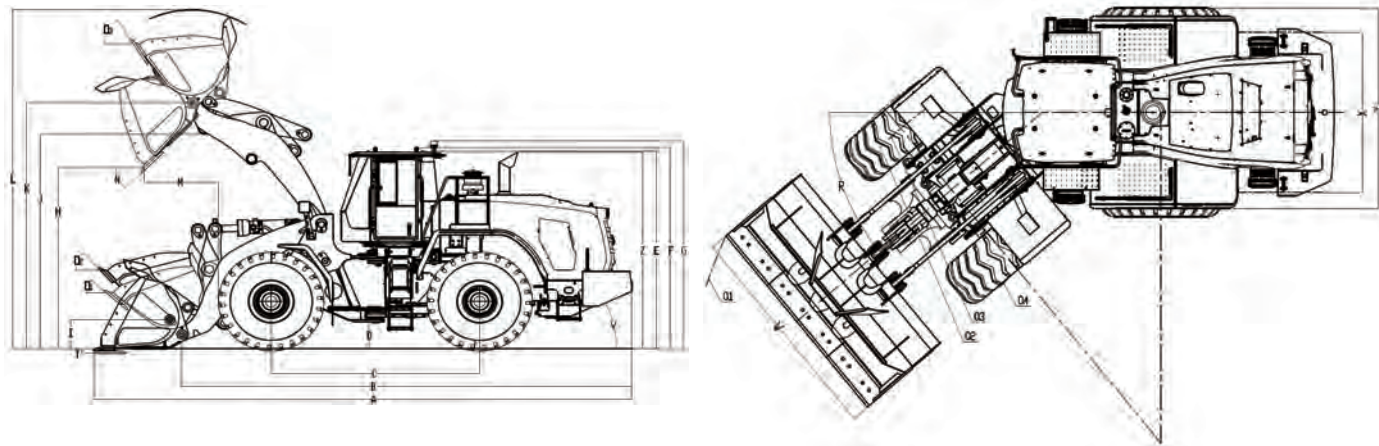
Hydraulic system	Parameter
Type	Full variable system
Pump	Piston pump
Rated oil quantity	272 L /min
Control valve	3 Multi-way valve
System pressure	230bar
Lift circuit	Lifting circuit for lifting, holding, lowering and floating of the arm
Tilt circuit	Tipping cylinder circuit for collecting, holding and tipping the bucket
Cylinder	Type double acting
	Lift - 2-140 x 760mm
	Tilt - 1-160 x 719mm
Hydraulic cycle time with rated load	5.5 Sec lifting
	3.5 Sec lowering
	2.5 Sec tipping
	Total: 11.5 Sec.

Steering system	Parameter
Type	Coaxial flow amplification
Pump	Variable displacement pump
Rated displacement	64L/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"

Service refill capacities	Parameter
Fuel tank	220L
Cooling system	40L
Engine oil	20L
Transmission	38L
Front axle	40L
Rear axle	40L
Hydraulic reservoir	95L
Hydraulic system (Including tank)	202L

Sound	Parameter
The guaranteed noise levels described below may vary depending on a range of factors such as operating conditions, cooling fan speed, engine type, etc.. Hearing protection is required if the operator works in an improperly maintained cab or is exposed to noisy environments with the doors and/or windows open.	
Exterior sound power level at cooling fan max. speed	107dB(A)
Operator sound pressure level (ISO 6396:2008)	74dB(A)
Exterior sound power level (ISO 6395:2008)	105dB(A)

Technical Specifications



DIMENSIONS & SPECIFICATIONS			Standard Boom	High Lift	
A	Height - top of exhaust pipe	mm	3215	3215	
B	Height - top of cab	mm	3409	3409	
C	Height - top of warning light	mm	3696	3696	
D	Ground clearance	mm	381	381	
E	Wheel base	mm	3050	3050	
F	Overall length (without bucket)	mm	6540	6857	
G	Transportation length (bucket flat on the ground)	mm	8140	8457	
H	Pivot height with flat bucket	mm	470	580	
I	Pivot height at maximum lifting	mm	4049	4360	
J	Lift arm clearance at maximum lifting	mm	3445	3680	
K	Dumping clearance for maximum lifting and 45° dumping	mm	2888	3195	
L	Dumping reach for maximum lifting and 45° dumping	mm	1178	1200	
M	Dumping angle for maximum lifting and dumping	mm	45	45	
N	Rollback angle	Ground	°	43	42
		Carry	°	48	49
O	Radius of the outside of tyre	mm	5508	5508	
P	Radius of the inside of tyre	mm	2900	2900	
Q	Width of tyres (unloaded)	mm	2580	2580	
R	Wheel track	mm	2060	2060	
S	Digging depth	mm	80	120	
T	Maximum lift height	mm	5447	5760	
U	Turning radius (outside of bucket)	mm	6300	6467	
V	Gradeability	°	28	28	
W	Bucket width	mm	2750	2750	
X	Steering angle	°	40	40	

ENGINE	Standard	Optional
UMMINS / QSB6.7-C130-30 Engine oil remote drainage	●	
Transmission F4/R3, computer-controlled, electronic soft-shift, manual shift function	●	
Torque converter	●	
Transmission oil level inspection	●	
Transmission oil cooler	●	
Limited slip differential	●	
Rear axle	●	
Conventional type		●
Service brake (Enclosed wet-disc)	●	
Parking brake	●	
20.5R25, L3, ★★	●	
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	●	
Emergency stop	●	
Emergency steering	●	
Rear view camera	●	
Fire extinguisher		●
Boom safety bar	●	
Radar + Auxiliary display		●
ECD (Engine connection diagnostics)	●	
Intake preheating	●	
Fuel tank cap lock	●	
Electric horn	●	
Tool kit	●	
2.4m³ quick tooth/blade bucket	●	
2.6m³ quick tooth/blade bucket		●
3.0m³ quick tooth/blade bucket		●

CAB & INTERIOR	Standard	Optional
Parking	●	
Battery master switch	●	
FNR gear	●	
Emergency steering	●	
Main light	●	
Working light	●	
Weighing system		●
Mirror heating		●
Rear wiper	●	
Stabilizer module	●	
Rotating beacon		●
Camera	●	
ROPS/FOPS cab	●	
Coat hook	●	
Rear view mirrors (2 Outside, heated)		●
Steering wheel, tilt 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)		●

CAB & INTERIOR	Standard	Optional
Door and cab lock, one key	●	
Automatic air conditioning control	●	
Air conditioner & heater	●	
Wiper and washer, front and rear (Constant speed)	●	
3-point retractable seat belt & adjustable air suspension (heated)	●	●
PERSONAL STORAGE SPACE	●	
Console box	●	
Cup holder	●	
One brake pedal		●
Dual-brake pedal	●	

CAB & INTERIOR	Standard	Optional
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	●	
120Ah, 12V	●	
Engine coolant temperature	●	
Fuel level	●	
Engine tachometer	●	
Engine oil pressure gauge	●	
Battery voltmeter	●	
Transmission oil temperature	●	
Parking brake	●	
High beam	●	
Turn signal light	●	
Seat belt ON/OFF		●
Stabilizer module	●	
LCD Display	●	
Parking brake	●	
Fuel tank indicator	●	
Hour meter	●	
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	●	
Keys	●	

OTHER	Standard	Optional
Counterweight	●	
Counterweight - Heavy-duty		●
Traction bar with pin		●
Handrails / Ladders / Platforms / Steps	●	
Fenders (Front/Rear)	●	
Under Guard (E/G, T/M)		●
Mudguard		●
ECD (Engine connection diagnostics)	●	