

DESIGNED FOR
EXPERIENCE
BUILT FOR
PERFORMANCE



MADE FOR AUSTRALIAN CONDITIONS



WHEEL LOADER
XC948

Product Specifications

OPERATING WEIGHT

16,500 kg

RATED POWER

142 kW / 2200 rpm

BUCKET CAPACITY

3.0m³

BATTERY

Cummins QSB6.7

Built for tough Aussie conditions.



PRODUCT HIGHLIGHTS

- The XCMG XC948 wheel loader makes full use of its international R&D platform to integrate global technologies and produce completely independent designs.
- As a result, the XC948 front end loader is uniquely comfortable, durable, reliable and efficient – as well as being simple to maintain.
- Renowned worldwide for its performance and value for money, it's the ideal solution for customers seeking a versatile 16-17 tonne loader for any application or industry.
- Equipped with a Tier 3 emission Cummins QSB6.7 engine, automatic 4BP 190 torque converter, XCMG high performance wet axle and full hydraulic wet brake system, the entire machine offers significant reliability, efficiency, comfort and control.

MACHINE WALKAROUND

ENGINE

Cummins 142kW/2200rpm
Lockable isolator (starter motor) yellow

TRANSMISSION

Computer-controlled, electronic soft-shift, auto-shift and pedal-shift:
4 speeds FWD
3 speeds RVS
Transmission oil level inspection
Transmission oil cooler
Torque converter
Limited slip differential front axle

HYDRAULIC SYSTEM

Bucket lift limit
Automatic bucket levelling
Diagnostic pressure fittings
Hydraulic oil cooler
Hydraulic oil level gauge (liquid indicator)
Pilot control (joystick)
Stabiliser module system
Third hydraulic system
Automatic lubrication system
Brake: Service Brake (enclosed wet disc)
Park Brake

CABIN

ROPS/FOPS
Escape hammer
Air-suspension seat
Rear view camera
Rear view mirrors
Wiper with washer (front and rear)
A/C and heating
Tiltable and telescopic steering wheel
Roller sunshade (front and back)
Tinted safety glass
Wrist supports and armrests
Magazine pouch
Coat hook

LIGHTING

2 headlights (LED)
1 LED dome light
Rear combination lights (2 reverse, turn signal, position, and break lights)
LED roof working lights (2 front, 2 rear)
LED rear hood working lights

ELECTRIC SYSTEM

Lockable isolator (battery) red
24V to 12V DC converter
Radio/ USB port

INDICATOR

Park brake indication
High beam
Turn signal light
Stabiliser module

WORKING DEVICE

Bucket: 3.0m³ quick blade
Tyres: 20.5R25, L3

SAFETY FEATURES

Fire extinguisher (optional)
Emergency steering
Boom safety bar
Engine emergency stops: 1 inside cabin
1 outside cabin
Manuals: Operation & Maintenance
Spare parts

OTHER

Engine Connection Diagnostics (ECD)
Fenders (front/rear)
Counterweight
Intake preheating
Fuel tank cap lock
Electric horn
Tool kit

XCMG XC948

EXCELLENT PRODUCTIVITY & FUEL EFFICIENCY

TIER III SYSTEM

Cummins QSB6.7 engine with air-to-air intercooling and electronically controlled high-pressure common rail. The rated power is 142kW, meeting the demand of heavy-duty use.

HYDRAULIC SYSTEM CONTROL

The quantitative hydraulic system and linkage structure, with a breakout force up to 130kN, is adopted for easy and comfortable operation, flexible steering, and low energy consumption.

WEIGHING SYSTEM (OPTIONAL)

Multiple accounts and products can be set to facilitate the adaption of working conditions.

REINFORCED WET DRIVE AXLE

Reinforced axle shell structure and material for high strength and good ductility. This circulation system with a forced internal lubrication structure, ensures sufficient lubrication of the drive axle, while cooling and providing excellent heat dissipation.

OPTIMISED THREE-SECTION DRIVE SHAFT

Distributing the force of the drive shaft when steering: the key block structure at the connection of the drive shaft, has an anti-loosening effect, making the torque transmission more stable and reliable.

HEAVY-DUTY STRUCTURE

The XC948 has an extra heavy-duty load frame design to ensure a strong structure and extended machine life and performance.



TRANSMISSION

The fully automatic 4BP 190 torque converter transmission, reduces shifting impact while travelling and working in various conditions. With two working modes, it helps the operator reach optimum efficiency.

LIMITED SLIP DIFFERENTIAL

Improving the operability and reliability of the whole machine.

FUEL EFFICIENCY

The XC948's load sensing hydraulic system and adjusting operation condition, helps improve fuel efficiency and provide longer machine use for the operator.

HEAT MANAGEMENT

A large radiator and low speed fan can adjust speed according to the heat dissipation requirements, to quickly reach the best working condition, while also reducing energy consumption and noise pollution.

INDEPENDENT COOLING SYSTEM

The fan speed automatically adjusts in relation to the temperature of the engine water, intake air, and torque converter oil. Equipped with a reverse self-cleaning function.



TOP PERFORMER

DESIGNED FOR THE OPERATOR

SOUND PROOFED & SPACIOUS CAB

ROPS/FOPS cab, features a spacious interior and wide field of view. The frame is constructed using rectangular profiled tubes and floor-integrated welding techniques; designed to handle severe impact, ensuring your safety while operating. The micro-pressurisation technology, effectively isolates external dust.

FNR PILOT JOYSTICK

Large pilot handle with FNR button, for easy and efficient one-handed operation.

SIMPLE CONTROLS

Command-based controls, automatic position restriction, buffering function, jog, level and lift, and automatic levelling, ensures simple operation.

ADJUSTABLE AIR SUSPENSION SEAT & ARMREST

High performance air suspension, shock absorbing seats; adjustable for both front and rear positions, softness, and hardness. Adjustable seat back angle, armrest box and seat, and independently adjustable handle position, meeting the needs of different operators.

STABILISER MODULE

Effectively absorbing the impact of the working device cylinders during transportation; improving the overall stability of the machine.

TEMPERATURE CONTROL

Dual-purpose A/C system with cooling and heating, featuring all-round air outlets for operator comfort. Equipped with an electric water valve for easy operation.

VISIBILITY PLUS

In addition to 360° visibility provided by the panoramic window design, also included as standard, are front and rear working lights.

INTELLIGENT DASHBOARD

Combination dashboard, connected to the controllers of the engine, transmission, and other working devices, through CAN Bus. This provides a real-time display of the machine's operating status, with a fault alarm function.

STEERING LIMIT

Hydraulic soft-limit function, reduces the rigid impact when steering for a smooth and comfortable experience.



"A really friendly group of people with a huge range of equipment."

Alan Hall - Brooks Equipment Customer



UNCOMPROMISED SAFETY & SERVICEABILITY

LEADING SAFETY STANDARDS

EMERGENCY STOP

Emergency stop button on the inside and outside of cab.

ROPS & FOPS

Sturdy and durable cab, capable of withstanding severe impact; ensuring safety during operation.

PILOT LOCK

No movement of the joystick after closure, for safe servicing.

RADAR (OPTIONAL)

Optional radar inclusion.

INTERIOR SAFETY

The cabin's interior is made from flame retardant materials and includes a fire extinguisher, A/C with great air flow and a dust proof environment.

EXTERIOR SAFETY

The ladders, passageway, operation platform and exit access, all comply with the safety standards of ISO 2867 and ISO 2860, putting your safety first. Also included, is an amber rotating beacon.

MAINTENANCE MADE EASY

ENGINE CONNECTION DIAGNOSTICS

Engine diagnostic interface, able to diagnose engine faults.

FULLY OPENABLE HOOD

The large-angle, rear tilting hood, allows easy access to the engine, radiator, transmission filter, and other components, for convenient maintenance.

WIDE CORE & FIN RADIATOR

The radiator is designed with a finned structure and an enlarged radiator core; providing a large heat dissipation surface area. Each core is constructed in a modular design, facilitating easy replacement when required.

SELF-CLEANING FAN

The low-speed radiator fan has automatic reversal function for self-cleaning in high dust working environments, helping to maintain your engine and last longer.

RADIATORS & FUSE BOX

The up turned back cover displays a single row of large tonne radiators and centred electrical fuse box, for effortless check-ups and maintenance.

MAINTENANCE ACCESS

The side-turn cab and large-angle sides make for easy access and visual of all key components, for convenient maintenance and servicing.

EASY DAILY MAINTENANCE

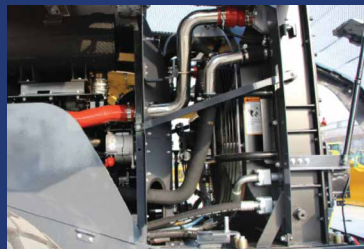
The remote centred lubrication and drainage pressure testing, provides easy access for maintenance.

AUTOMATIC LUBRICATION SYSTEM

The centralised lubrication system, allows for adjustable lubrication intervals. The combination of automatic and manual lubrication methods enhance the reliability of the lubrication system.

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; thus, allowing the hose to withstand harsh conditions and pressure.



INTELLIGENT & MANAGEABLE

Designed with advanced technologies to ease operator work load and increase efficiency, the XC948 engages the following systems within the cab:

OPERATING SYSTEMS

LCD MONITOR

- Parking brake
- FWD/RVS
- Hour meter
- Fuel tank indicator



SWITCHES

- Parking
- Battery master switch
- FNR gear
- Emergency steering
- Main light
- Working light
- Weighing system
- Mirror heating
- Rotating beacon
- Rear wiper
- Stabiliser module
- Camera

ALARMS, AUDIO & VISUAL

- Battery voltage
- Brake oil pressure
- Engine oil pressure
- Fuel level
- Engine coolant temperature
- Emergency warning lamp
- Transmission error codes
- Transmission oil temperature
- Air filter clogging (mechanical as standard, electronic optional)

GAUGES

- Engine coolant temperature
- Fuel level
- Engine tachometer
- Engine oil pressure gauge
- Battery voltmeter
- Transmission oil temperature



XCMG XC948

- AT A GLANCE -



XC948

Wheel Loader

DIMENSIONS & SPECIFICATIONS



Scan to view the XC948 product brochure

MAIN SPECIFICATIONS

MODEL

Operating Weight	16500 kg
Rated Load	4500 kg
Bucket Capacity	3.0 m ³
Bucket Breakout Force	120 kN
Tipping Load:	
Straight over	10000 kg
Full-steering over	9000 kg

ENGINE

Type	Cummins QSB6.7
	6 cylinder, inline four-stroke turbocharged, air-to-air intercooled, electronically controlled common rail
Max. Power	149 kW @ 2200 rpm
Rated Power	142 kW @ 2200 rpm
Peak Torque	800 Nm @ 1500 rpm
Displacement	6.7 L

AXLES

Drive System	Four-wheel drive
Front Axle	Fixed
Rear Axle	Oscillation angle 12°
Hub Reduction (Wheel-side reduction ratio)	4.94
Differential	Front: limited slip Rear: common differential
Reduction Ratio	22.848

REFILL CAPACITIES

Fuel Tank	220 L
Cooling System	30 L
Engine Oil	20 L
Transmission	30 L
Front Axle	35 L
Rear Axle	35 L
Hydraulic Reservoir	150 L
Hydraulic System (Including tank)	180 L

HYDRAULIC SYSTEM

Type	Quantitative system
Pump	Gear pump
Control Valve	3 multi-way valve
System Pressure	230 bar
Lift Circuit	Yes
Tilt Circuit	Yes
Cylinder:	
Lift	2-140 x 760 mm
Tilt	1-150 x 535 mm
Cycle Time:	
Raise from Carry Position	5.5 s
Dump at Max. Raise	3.5 s
Lower/ Empty/ Float Down	1 s
Total	10 s

STEERING SYSTEM

Type	Flow-amplified, load sensitive
Pump	Fixed displacement pump
Rated Oil Capacity	237 L/min
System Pressure	210 bar
Cylinder	Double acting
Steering Angle	40° both right and left angle
Features	Centre-point frame articulation Tilt and telescopic steering column

NOISE

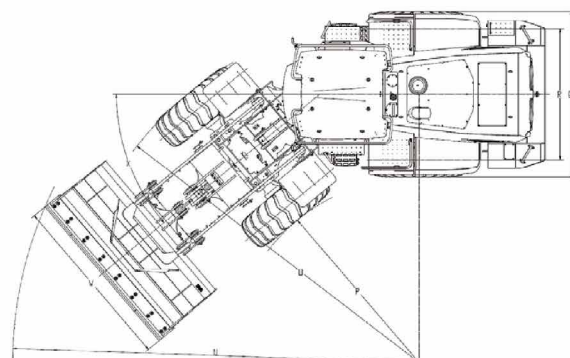
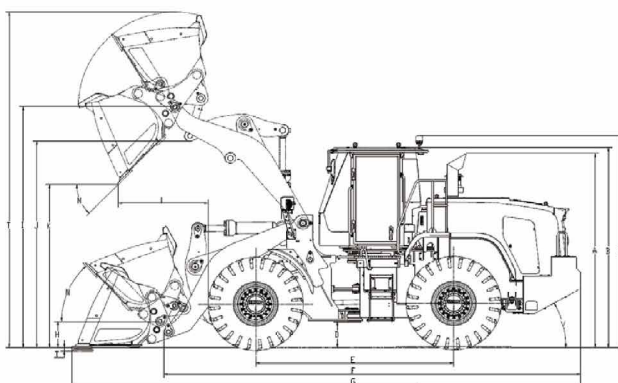
Exterior sound power level at cooling fan max. speed	107 dB
Operator sound pressure level	72 dB
Exterior sound power level	105 dB

TRANSMISSION

4 Speed Transmission	4BP190
	Fully-automatic electric control box
Travel Speed FWD	8/15/26/38
Travel Speed RVS	8/15/26
Brake Distance	Less than 11 m

DIMENSIONS & WORKING SCOPE

Height:		
Top of exhaust pipe		3190 mm
Top of cab		3405 mm
Top of warning light		3640 mm
Ground Clearance		410 mm
Wheel Base		3050 mm
Overall Length (Without bucket)		6536 mm
Transportation Length (Bucket flat on ground)		7882 mm
Pivot Height:		
Flat bucket		520 mm
Max. lifting		3969 mm
Lift Arm Clearance (Max. lifting)		3356 mm
Dumping Clearance (Max. lifting and 45° dumping)		2750 mm
Dumping Reach (Max. lifting and 45° dumping)		1290 mm
Dumping Angle (Max. lifting and dumping)		45°
Rollback Angle:		
Ground		42°
Carry		46°
Tyre Radius:		
Outside		5458 mm
Inside		2913 mm
Width of Tyres (Unloaded)		2545 mm
Wheel Track		2020 mm
Digging Depth		60 mm
Max. Lift Height		5485 mm
Turning Radius (Outside of bucket)		5930 mm
Gradeability		30°
Bucket Width		2996 mm
Steering Angle		40°



SERVICE LIKE NO OTHER



With a dedicated Field Service team of qualified HD Mechanics, and access to OEM parts, you're connected to the best after sales support for your machine's full lifetime.

QUALITY



Quality tested machines, developed and built for Australian conditions.

GUARANTEE



All of our XCMG models come with first class warranty cover.

ANY TIME



Our team of experts are available 24 hours a day, 7 days a week.



PARTS ON YOUR DOORSTEP

Access to parts and support is made easy through XCMG's Australian Technical and Service Centre.

SUPPORT FROM BRANCHES AUSTRALIA WIDE



With Brooks Equipment branches Australia-wide, you have complete coverage for support and servicing, wherever you are in the country.

BROOKS

EQUIPMENT

Discover more about your XCMG machine



1300 BROOKS (276 657)

@ sales@brooksequipment.com.au

www.brooksequipment.com.au