

BROOKS
EQUIPMENT



DESIGNED FOR
EXPERIENCE
BUILT FOR
PERFORMANCE



MADE FOR AUSTRALIAN CONDITIONS



WHEEL LOADER

XC948AS

Product Specifications

OPERATING WEIGHT

17,000 kg

RATED POWER

142 kW / 2200 rpm

BUCKET CAPACITY

3m³

ENGINE

Cummins QSB6.7

Built for tough Aussie conditions.



PRODUCT HIGHLIGHTS

- The XCMG XC948AS wheel loader is uniquely comfortable, durable, reliable and efficient – as well as being simple to maintain.
- 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.
- The variable flow hydraulic system reduces power and fuel consumption and increases component lifespan due to the lowered heat and stress applied to the system. Better control of the entire machine is achieved, thanks to its smooth and accurate movements.
- The parallel lifting system ensures your load is level and offers greater visibility when handling materials; commonly used for pipe laying and handling pallets.

MACHINE WALKAROUND

ENGINE

Cummins 142kW/2200rpm
Euro Stage III
Fuel fill pump
Engine emergency stop (1 inside cabin, 1 outside cabin)
Isolator (start motor) yellow
Cooling fan regulated by temperature (reversible)

TRANSMISSION

Gear-select lever (steering-column)
ZF automatic transmission
4 speeds FWD, 3 speeds REV
Transmission knock out
Torque converter
Limited slip-on front axle

HYDRAULIC SYSTEM

Single joystick control (FNR switch)
Secondary steering
Park brake
Quick hitch and piping, 3rd function hydraulics
Ride control
Automatic boom kick-out
Automatic bucket levelling
Floating function
Third function hydraulics
Full variable hydraulic system
Electric-hydraulic control
Ride control (dual accumulator)
Three thumb handles*

CABIN

ROPS/ FOPS
Safety hammer
Fire extinguisher (Aus standard)*
Air-suspension seat

Rear-view camera
Rear mirrors
Wiper
Air conditioning
Sunshade (front and rear)
Seat monitoring
Electronic door lock*
Electric heated rearview mirror*
Electric adjustable rearview mirror*
Automatic wiper
Cab protective net*
Rear windshield heating*
Electric heated seats*

POWER SYSTEM

Maximum speed limit*
Power cut-off mode selection*
Power mode selection*
Engine idle shutdown*
Turbo timer
Engine speed maintenance*
Button start

ELECTRIC SYSTEM

Lockable isolator (battery) red
Convenient 12V port
Radio
UHF Radio CB 80*
Beacon
Central control LCD screen*
Intelligent weighing system*
Reverse radar*
360° camera*
Door control lights*
Automatic headlights*
Stair lights*
Display screen fault diagnosis system
Intelligent parameter adjustment

WORKING DEVICE

Bucket volume 2.4m³ (cutting edge in three sections, bolt-on)
Quick hitch
Quick hitch alarm
Auto greasing system
One click clearing of bucket
Micro motion mode
Parallel lifting
Dual brake pedals
Auto parking
Lubrication system control via LCD screen
Techking tyre
Tyre pressure alarm*

SAFETY FEATURES

Fire extinguisher bracket (9kg, outside)*
Decals
Manuals: Operation and Maintenance, Parts

OTHER

XCMG axle with wet brake
Full fender
20.5R25 radial tyre
Pallet fork that suits quick hitch*
Anti-burst valves for crane jib
RESPA*
Fast fill*
Handle steering (Volvo) and steering wheel*

*Optional inclusion

XCMG XC948AS

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 variable flow hydraulic system reduces power and fuel consumption and increases component lifespan due to the lowered heat and stress applied to the system. Better control of the entire machine is achieved, thanks to its smooth and accurate movements.

PARALLEL LIFTING

The parallel lifting system ensures your load is level and offers greater visibility when handling materials; commonly used for pipe laying and handling pallets.

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.



LIMITED SLIP DIFFERENTIAL

Improving the operability and reliability of the whole machine.

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.

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.

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.

STABILISER MODULE

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

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 XC948AS 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





XC948AS

Wheel Loader

DIMENSIONS & SPECIFICATIONS

BROOKS
EQUIPMENT



Scan to view the XC948AS product brochure

MAIN SPECIFICATIONS

MODEL

Operating Weight	17000 kg
Bucket Capacity	3 m ³
Rated Load	4500 kg
Tipping Load (Full Turn)	9100 kg

ENGINE

Type	Cummins QSB6.7
	Vertical, water-cooled, turbocharged, electronically controlled
Rated Power	142 kW @ 2200 rpm
Max Torque	931 Nm @ 1400 rpm
Displacement	6.7 L

TRANSMISSION

Model	4BP190
Type	Fully automatic transmission
Travel Speed:	
Forward	7/13/24/36 km/h
Reverse	7/13/24 km/h

AXLES

Wheel Reduction Ratio	30.52:5
Min. Ground Clearance	381 mm
Drive Type	Four-wheel drive
Front Axle	Fixed
Rear Axle	Central oscillation ±12°
Wheel Hub Reduction	Wheel side planetary reduction
Differential Type:	Limited slip differential
Front	
Rear	Open differential

WORKING HYDRAULIC SYSTEM

Type	Load-sensing hydraulic system
Pump	Variable piston pump
Max. Flow	272 L/min
Control Valve	3-spool pilot control valve
System Pressure	23 MPa
Cylinder:	
Lift (Qty x Bore x Stroke)	2 × Ø140 × 737 mm
Tilt (Qty x Bore x Stroke)	1 × Ø160 × 719 mm

STEERING HYDRAULIC SYSTEM

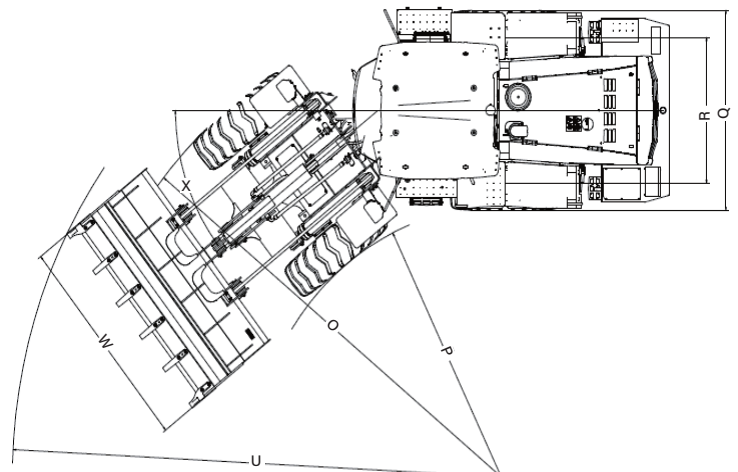
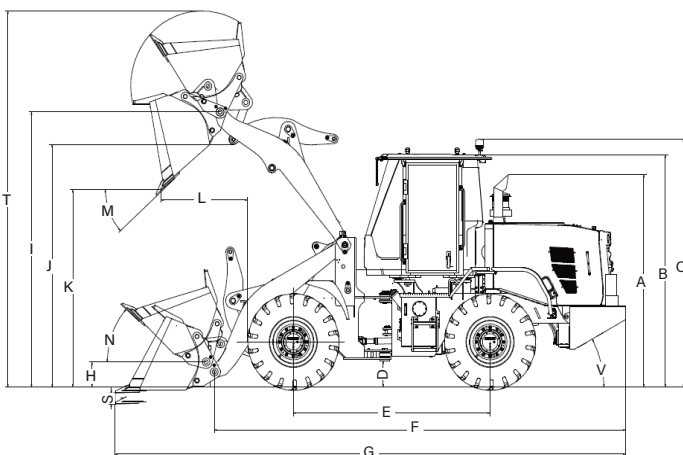
Type	Coaxial Flow Amplified Steering System
Pump Type	Variable Displacement Axial Piston Pump
Rated Flow	64 L/min
Number of Hydraulic Cylinders	2
System Pressure	18 MPa
Max. Steering Angle	40°

BRAKE SYSTEM

Type	Dual-circuit hydraulic brake
Parking Brake	Hydraulic caliper brake

DIMENSIONS & WORKING SCOPE

A Height:	Top of exhaust pipe	3190 mm
B	Top of cab	3495 mm
C	Top of warning light	3640 mm
D	Ground Clearance	410 mm
E	Wheel Base	3050 mm
F	Overall Length (Without bucket)	6536 mm
G	Transportation Length (Bucket flat on ground)	7882 mm
H	Height to Hinge Pin: Level Position	520 mm
I	Max Lift	3969 mm
J	Dumping Clearance (Max. lifting)	1336 mm
K	Dumping Clearance (Max. lifting and 45° dumping)	2750 mm
L	Reach (Max. lifting and 45° dumping)	1290 mm
M	Dumping Angle (Max. lifting, stopped)	45°
N	Bucket Rollback Angle	42°
O	Turning Radius: Outside of tyre	5458 mm
P	Inside of tyre	2913 mm
U	Overall Width (Outside of tyre)	2545 mm
Q	Tread Width	2020 mm
R	Digging Depth	60 mm
S	Max. Dumping Height	5485 mm
T	Turning Radius (Outside of bucket)	5930 mm
V	Departure Angle	30°
W	Bucket Width	2996 mm
X	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.

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Discover more about your XCMG machine



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