

INTELLIGENT OPERATION

OPERATOR EFFICIENCY | FUEL ECONOMY | MAINTENANCE



MADE FOR AUSTRALIAN CONDITIONS



WHEEL LOADER **XC998**

Product Specifications

OPERATING WEIGHT
30,500 kg

RATED POWER
277 kW / 2100 rpm

BUCKET CAPACITY
5.4m³

ENGINE
Cummins X12CS3375

Built for tough Aussie conditions.



PRODUCT HIGHLIGHTS

EXCELLENT PRODUCTIVITY & FUEL EFFICIENCY

- Full-variable electro-hydraulic proportional control
- High powered engine
- Reinforced wet axle
- Optimised three-section drive shaft

EASY CONTROL & COMFORTABLE OPERATION

- Joystick with electro-hydraulic proportional control
- Automatic lubrication system
- Fully sound-proofed, spacious, ROPS & FOPS cab
- Combination LCD dashboard

THE ULTIMATE SAFE ENVIRONMENT

- Reverse camera
- Emergency stop

SERVICEABILITY & TELEMATICS

- ECD (Engine connection diagnostics)
- Centralised pressure measurement

MACHINE WALKAROUND

ENGINE

Cummins 277kW/2100rpm
Engine oil remote drainage
Intake preheating
Fuel pre-filter with water separator
Reversible cooling fan
Centrifugal air pre-filter
Coolant drain outlet port

TRANSMISSION

Manual/ automatic shift

AXLES

Front axle limited slip differential locking

HYDRAULIC SYSTEM

Two-way electronic control valve
Piston pump
Hydraulic oil cooler
Diagnostic pressure fittings
Independent cooling system
Boom lift limit
Automatic bucket levelling
Backward and forward turning fan
Double acting hydraulic cylinder

CABIN

ROPS/ FOPS Cab
Rearview mirror (1 internal, 2 external)
Right sliding window

Non-slip mat

Front sunshade

Adjustable air suspension seat

Seat belt

Steering wheel (adjustable for up-down, front-back)

Emergency escape hammer

Tinted safety glass

Cup holder

Door lock key

Air conditioning system

BRAKES

Independent dual-circuit service brake

Parking brake, and electro-hydraulic control

Single-pedal brake system

LIGHTING & ALARM SYSTEM

Dual LED headlights with high and low function

Dual-brake light

Turn signal light with flickering hazard

LED working light (4 front, 2 rear)

Reversing alarm (sound)

Rotating beacon

Horn

ELECTRICAL SYSTEM

Air filter clogging alarm display

Battery voltage display

Fuel level display

Engine speed display

Engine coolant temperature display

Engine fault code display

Transmission oil temperature display

Transmission fault code display

Parking brake display

Low pressure brake alarm display

Reverse camera system

Front and rear windshield washer/wipers

Main power supply switch

FM radio

Hood lift button

EXTERNAL DEVICE

Bucket: 5.4m³

Tyres: 26.5R25, radial

Left and right anti-slip rack

Front fender

Traction pin

Articulated locking rod

OTHER

Automatic lubrication system

Working system pressure diagnostic interface

Steering system pressure diagnostic interface

Transmission pressure diagnostic interface

EXCELLENCE IN CONSTRUCTION

The XC998 intelligent wheel loader features high reliability, efficiency, and flexibility. Its design incorporates new technologies and concepts, including a tiltable cab, backward tilting hood, and full-variable electro-hydraulic proportional control, to realise broad vision, comfortable operations, and convenient maintenance. The loader is multifunctioning, with the ability to switch between attachments, such as a clamp attachment.

HYDRAULIC SYSTEM

The working hydraulic system adopts load-sensitive variable and electro-hydraulic proportional control technology. This provides pressure and flow on demand, reduce additional losses, and improves energy utilisation. In turn, the device achieves accurate positioning, improved work efficiency, reduced shovel loading and unloading impact, and increased driving comfort.

The excess oil from the dual-pump confluence system, and steering system, flows to the working system in a confluence way; achieving reasonable distribution of oil, facilitating energy saving, and further improving the working efficiency.

ENGINE

The EFI turbocharged engine integrates air-to-air intercooling and electric start and flameout. Through this, the engine features higher reliability, adaptability, lower fuel consumption and emissions. Equipped with a three-stage air filter and multi-stage fuel filtration system, is suitable for various operating conditions.

WET AXLE

The front and rear drive axles are both wet drive axles with multiple maintenance-free wet brake blocks, extending the service life of the axle. The front axle has a differential locking function, improving the overall trafficability of the machine under harsh working conditions.

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.

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.



XC998 WHEEL LOADER

LEADING SAFETY & SERVICABILITY

REVERSE CAMERA

The advanced reversing camera provides the driver with a wider rear field of view, guaranteeing the reliability and safety of the machine during operation.

EMERGENCY STOP

The machine is equipped with an optional emergency stop button on the inside and outside of the cab, facilitating engine shutdown in case of emergency.

BRAKE SYSTEM

A fully hydraulic dual-circuit wet service braking and calliper disc parking brake, independent front and rear axle braking, low pressure alarm protection, and combined emergency braking and parking braking to ensure safe operation.

HOOD SYSTEM

The integrated large-angle rear tilting hood allows easy access to the engine, radiator, and other components, facilitating convenient and quick maintenance and servicing.

ENGINE INTERFACE

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

CENTRALISED PRESSURE MEASUREMENT

The pressure of the working, steering, transmission, and other systems is conveniently extracted and displayed in a centralised system.



AUTOMATIC LUBRICATION

The centralised lubrication system is configured to utilise the proper pump pressure, when pumping the grease to each lubrication point. Pumping regularly and quantitatively, it maintains a reliable and sufficient oil film between each friction pair. With adjustable lubrication intervals, this ensures normal operation of the machine for a long lifetime.

FILTERS

Configured in a centralised formation, the filters are easily accessible for daily maintenance and replacement.

QUICK REFUELLING

With a focus on fuel transfer, the Banlaw system ensures the safe refuelling of the loader, no matter how harsh or remote the operating environment is. The system also helps to prevent oil theft, reduce downtime, and provide a safe, clean, and sustainable working environment. All systems are built with world-renowned Banlaw refuelling, connectors, and respirators.

RADIATOR

The single layer, large wave pitch heat dissipation and rotatable air conditioning radiator, is designed for easy cleaning.



XC998 WHEEL LOADER

OPERATOR CONTROL & COMFORT

AIR SUSPENSION SEAT & ARMREST

Designed with high-performance, air-suspended, shock-absorbing seats, and an adjustable armrest box. The armrest provides adjustable height and front-to-back positioning, to meet the needs of different operators.

JOYSTICK

Optional joystick with electro-hydraulic proportional control, for easy and comfortable "fingertip operated" movement.

RIDE CONTROL

The optional configured RIDE Control can effectively absorb the impact of the working device cylinder and reduce material scattering during transportation. It also greatly decreases bumps on rough surfaces, improving comfort and reducing fatigue.

COMBINATION LCD DASHBOARD

The CAN bus digital combination dashboard can monitor and display the state of the complete machine, in real time; for example, being able to display engine and transmission fault codes. Sound and light alarm functions, ensure the operator is aware of any faults.

AIR CONDITIONING

Equipped with heating and cooling air conditioning, the vents are placed in a "three-dimensional" arrangement to provide fast cooling and heating. The micro-pressurised technology effectively prevents dust from entering.



INTELLIGENT CAB

The ROPS & FOPS micro-pressurised cab ensures complete sealing; effectively isolating external dust from entering. With a large interior space and windows, the operator has a wide field of view. Silicone shock absorbers are connected to the frame, greatly reducing cab vibration.

STEERING SYSTEM

The load-sensing and flow-amplifying fully variable hydraulic articulated steering system delivers improved energy efficiency and reduced fuel consumption.

It utilizes a small-displacement steering gear as a pilot control to actuate a flow amplification valve, enabling quick and responsive steering performance.

The system significantly reduces the steering force required at the wheel, making operation easier and more comfortable. The progressive steering limit - initially flexible and later rigid - eliminates impact during turns, ensures a small turning radius, and prevents issues such as vibration, yawing, and an inconsistent steering feel while driving.

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

Alan Hall - Brooks Equipment Customer



TRUE VERSATILITY

- XC998 AT A GLANCE -



XC998

Wheel Loader

DIMENSIONS & SPECIFICATIONS



Scan to view the XC998 product brochure

MAIN SPECIFICATIONS

MODEL

Operating Weight	30500 kg
Rated Load	9000 kg
Bucket Capacity	5.4 m ³
Bucket Breakout Force	260 kN
Tipping Load:	
Straight	≥23020 kg
Full-steering	≥19500 kg

ENGINE

Type	Cummins X12CS3375
	6 cylinder, inline, EFI, turbocharged, high pressure common rail
Rated Power	277 kW @ 2100 rpm
Max. Power	336 kW @ 1800 rpm
Peak Torque	1898 Nm @ 1200-1600 rpm
Displacement	11.8 L

AXLES

Actuation System	Four-wheel actuation
Front Axle	Fixed
Rear Axle	Oscillation angle 13°
Hub Reduction	Wheel-side planetary speed reducer
Differential	Front: differential locking Rear: common differential
Speed Ratio	27

REFILL CAPACITIES

Fuel Tank	420 L (tank capacity 460 L)
Cooling System	62 L
Engine Oil	34 L
Transmission	64 L
Front Axle	54 L
Rear Axle	54 L
Hydraulic Tank	160 L (tank capacity 180 L)
Hydraulic System (Including tank)	350 L

HYDRAULIC SYSTEM

Type	Full variable hydraulic system
Pump	Piston pump
Rated Displacement	130+110 L/min
Control Valve	Electrically controlled, two-way, multi-tandem valve
System Pressure	26 MPa
Lift Circuit	Yes
Tilt Circuit	Yes
Hydraulic Oil:	
Lift	2-190 x 885 mm
Tilt	1-210 x 595 mm
Lift Duration	≤6.5 s
Total Cycle Time	≤11.5 s

STEERING SYSTEM

Type	Flow amplified, load-sensitive, articulated steering
Pump	Piston pump
Rated Displacement	110 L/min
System Pressure	21 MPa
Cylinder	Dual steering cylinder
Steering Angle	±40°
Features	Centre closed structure

NOISE

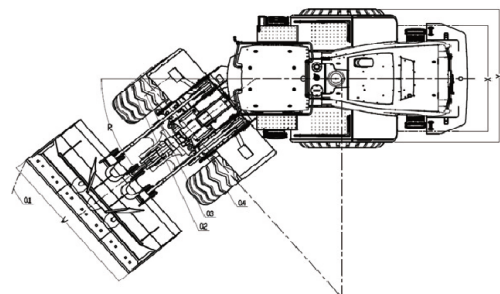
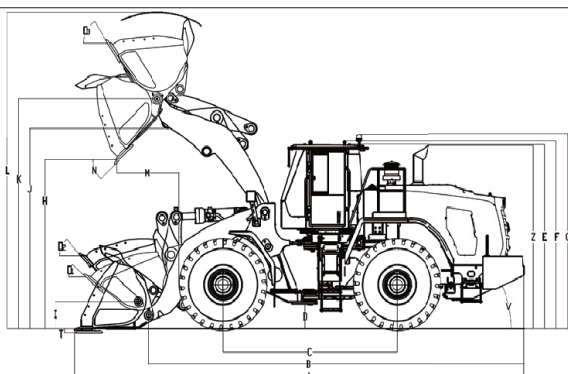
Exterior sound power level at cooling fan max. speed	115 dB(A)
Operator sound pressure level	75 dB(A)
Exterior sound power level	115 dB(A)

TRANSMISSION

4 Speed Transmission	4WG310
	Electro-hydraulically controlled fixed-shaft shift
Travel Speed FWD	6.5/11.5/24.5/35
Travel Speed REV	6.5/11.5/24.5
Brake Distance	≤13 m

DIMENSIONS & WORKING SCOPE

A	Transportation Length (Bucket flat on ground)	9560 mm
B	Overall Length (Without bucket)	7995 mm
C	Wheel Base	3700 mm
D	Min. Ground Clearance	480 mm
Z	Height: Top of exhaust pipe	3715 mm
E	Top of cab	3730 mm
F	Cab roof lug	3770 mm
G	Top of warning light	3950 mm
L	Max. Lift Height	6430 mm
K	Pivot Height (Max. lifting)	4600 mm
J	Lift Arm Clearance (Max. lifting)	3985 mm
N	Dumping Angle (Max. lifting and dumping)	45°
H	Dumping Height (Max. lifting and 45° dumping)	3370 mm
M	Dumping Reach (Max. lifting and 45° dumping)	1340 mm
T	Digging Depth	80 mm
I	Pivot Height (Transport position)	550 mm
O1	Rollback Angle: Ground	42°
O2	Transport Position	48.5°
O3	Highest Position	60°
R	Steering Angle	40°
a1	Turning Radius: Outside of bucket	7495 mm
a3	Centre of outside tyre	6760 mm
a2	Tyre Radius: Outside	6350 mm
a4	Inside	5910 mm
X	Wheel Track	2460 mm
Y	Overall Width	3350 mm
V	Gradeability	≥25°
W	Bucket Width	3430 mm



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