

BROOKS
EQUIPMENT



EXCELLENCE IN CONSTRUCTION

VARIABLE HYDRAULIC SYSTEM & PARALLEL LIFTING



MADE FOR AUSTRALIAN CONDITIONS



WHEEL LOADER **XC958AS**

Product Specifications

OPERATING WEIGHT

19,950 kg

RATED POWER

164 kW / 2200 rpm

BUCKET CAPACITY

3.5m³

ENGINE

Cummins QSB6.7

Built for tough conditions.



PRODUCT HIGHLIGHTS

- The XCMG XC958AS wheel loader makes full use of XCMG's extensive international R&D capabilities to integrate global technology and manufacture completely independent designs.
- As a result, the XC958AS 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, the XC958 18 tonne loader is the ideal solution for customers seeking a versatile solution for any application or industry.
- Equipped with a Tier 3 emission Cummins QSB6.7 engine, ZF 4BP210 automatic transmission, XCMG high performance wet axle and full hydraulic wet brake system, the entire loader offers significant reliability, efficiency, comfort and control.

MACHINE WALKAROUND

ENGINE

Cummins QSB6.7
Transmission F4/R3, computer controlled, electronic soft-shift, auto-shift and manual shift function
Torque converter
Transmission oil cooler
Front axle
Limited slip differential
Rear axle
Conventional Type
Service brake (enclosed wet-disc)
Parking brake

HYDRAULIC SYSTEM

Bucket lift limit
Automatic bucket limiting
Diagnostic pressure fittings
Hydraulic oil cooler
Hydraulic oil level gauge
Stabiliser module system
Extra piping for additional functions
Automatic lubrication system

CABIN

Battery master switch
FNR gear
Power cut-off
Weighing system*
Mirror heating*
Rear wiper
Stabiliser module
Rotating beacon
Camera
ROPS & FOPS
Coat hook
Rear view mirrors (1 inside, 1 outside cab

heated)*
Tiltable and telescopic steering wheel
Roller sunshade (rear)*
Tinted safety glass
Radio/ USB player
Magazine pouch
Wrist supports and armrests
24V to 12V DC converter*
Door and cab lock (1 key)
AC and heating
Wiper and washer (constant speed)
3" retractable seat belt and adjustable air suspension (heated)*
Console box
Cup holder
One brake pedal
Dual brake pedals*

LCD DISPLAY & GAUGES

Air filter clogging (mechanical)
Air filter clogging (electronic)*
Battery voltage
Engine oil pressure
Fuel level
Engine oil pressure
Fuel level
Engine coolant temperature
Emergency warning lamp
Transmission error codes
Transmission oil temperature
Engine coolant temperature
Engine tachometer
Parking brake
High beam
Turn signal light
Stabiliser module
FWD/RVS

Hour meter

SAFETY FEATURES

Emergency stop
Emergency steering
Rear view camera
Fire extinguisher*
Boom safety bar
Handrails/ ladders/ platforms/ steps

LIGHTING

2 headlights, 1 LED dome light, 2 rear combination lights (RVS, turn, position, brake), 6 LED working lights (2 front roof, 2 rear roof, 2 rear hood), 1 LED light in cab

WORKING DEVICE

3.5m³ quick blade bucket
3.1m³ quick reinforced tooth bucket*
3.2m³ quick blade bucket*
4.0m³ quick blade bucket*
Tyres: 23.5R25, L3

OTHER

Intake preheating
Fuel tank cap lock
Electric horn
Tool kit
Radar and auxiliary display*
ECD (engine connection diagnostics)
Handrails/ ladders/ platforms/ steps
Fenders (front and rear)
Under guard (E/G, T/M)*
Mud guard*
Counterweight
Counterweight (heavy duty)*
Traction bar with pin*

*Optional inclusion

EXCELLENCE IN CONSTRUCTION

CUMMINS ENGINE

The Cummins QSB6.7 engine (Euro 3 emission certified), has air-to-air intercooling and an electrically controlled, high-pressure common rail. With a rated power output of 164 kW, it delivers outstanding reliability while meeting the demands of complex operating conditions.

HYDRAULIC SYSTEM

The electro-hydraulic proportional, fully variable hydraulic system adjusts flow rate according to load, reducing energy losses and enhancing overall operating efficiency.

REINFORCED WET DRIVE AXLE

The wet drive axles are designed with a reinforced axle housing and high-quality materials, providing high strength and excellent ductility. A forced internal circulation lubrication system ensures adequate lubrication of the drive axle, while also delivering effective cooling and superior heat dissipation.

STABILISER MODULE

The stabiliser module effectively absorbs the impact of the working device cylinders during transportation; improving the overall stability of the machine.

HEAT MANAGEMENT

The 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.



OPTIMUM EFFICIENCY

With a fully automatic torque converter with two working modes, the XC958 helps the operator reach optimum efficiency quickly and easily.

THREE-SECTION DRIVE SHAFT

A three-section drive shaft is used to distribute forces evenly during steering. The drive shaft connections incorporate a keyed block structure, which provides excellent resistance to loosening and ensures more stable and reliable torque transmission.

BRAKING SYSTEM

Wet axle and fully hydraulic wet brake system is maintenance free and meets high working load requirements with exceptional reliability.

HYDRAULIC HOSE

The inner layer of the hydraulic hose is manufactured from oil-resistant synthetic rubber, while the outer layer is made from abrasion-resistant, anti-ageing synthetic rubber. This construction enables the hose to withstand high pressure and harsh operating conditions.



DESIGNED FOR THE OPERATOR

COMFORTABLE OPERATION & EASY CONTROL



WEIGHING SYSTEM

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

STEERING LIMIT

The steering system is equipped with hydraulic soft limit function, reducing the rigid impact when steering, for a smooth and comfortable experience.

AIR CONDITIONING

Cooling and heating AC system, featuring all-round air outlets for comfortable temperature control. Equipped with an electric water valve for easy operation.

INTELLIGENT DASHBOARD

A digital combination metre allows the operator to easily check the loader's running status of the engine, transmission, etc.

SOUNDPROOFED ENCLOSED CABIN

ROPS and FOPS certified cabin is durable and robust to handle severe impact, ensuring your safety and peace of mind while operating. Heavy duty structural parts are robot welded to ensure quality, with framework constructed using rectangular profiled tubes and floor integrated welding. The cab is equipped with micro-pressurisation technology, effectively isolating external dust.

WIDE FIELD OF VIEW

The design of the cab features an attractive appearance, spacious interior, and wide field of vision. A reverse camera ensures vision from all angles.

AIR SUSPENSION SEAT & ARMRESTS

The machine is equipped with fully adjustable, high-performance shock-absorbing seats. Seat firmness and angle can be adjusted to suit the operator. The armrest console and seat can be adjusted together, with the control handles also adjustable independently.

SIMPLE CONTROLS

The intuitive, command-based controls, combined with automatic position limits, buffering, jog functions, and automatic levelling for lift and leveling, make operation easier and more comfortable. The system also features an electrically controlled joystick with integrated forward-neutral-reverse (FNR) buttons for convenient gear shifting.



DESIGNED TO PERFORM BUILT TO LAST



EXTERIOR SAFETY

The ladders, passageway, operation platform, exit access and rotating beacon all comply with the safety standards of ISO 2867 and ISO 2860, ensuring safe operation.

INTERIOR SAFETY

The cabin's interior is made from flame retardant materials, includes a fire extinguisher (optional), air conditioning with exceptional air flow, and delivers a highly dust-proof operating environment.

VISIBILITY PLUS

In addition to the 360-degree visibility offered by the XC958's panoramic window design, front and rear work lights are also included as standard.

EMERGENCY STOPS

Emergency stop buttons are located inside and outside of the cab, facilitating engine shutdown in case of emergency.

CONVENIENCE

The upturned back cover and side-turn cab, display a single row of large tonne radiators with a sizeable maintenance window for near effortless check-ups.

FULLY OPENABLE HOOD

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

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

Alan Hall
Brooks Equipment Customer

BUILT TO LAST

MAINTENANCE ACCESS

Ladders on the front and rear frames, counterweights, oil extraction and drain devices, and pressure measurement points ensure easy maintenance.

EASY DAILY MAINTENANCE

The remote centred lubrication and drainage pressure testing provides easy access for maintenance, keeping your machine in top shape.

INDEPENDENT COOLING SYSTEM

An intelligent, independent cooling system is employed, with fan speed automatically adjusted based on engine water temperature, intake air temperature, torque converter oil temperature, and other factors. This ensures optimal matching between fan speed and the system's cooling requirements, including a reverse self-cleaning function.

ENGINE CONNECTION DIAGNOSTICS

The internal ECD system facilitates engine fault diagnostics.

EASY-TO-CHANGE FILTERS

The rear-tilting hood design provides easy access to the engine and transmission filters, making maintenance and replacement straightforward and convenient.

WIDE CORE & FIN RADIATOR

The radiator is designed with a plate-fin structure and an enlarged radiator core, providing a large heat dissipation area. Constructed with a modular design, replacement is easy when required.



XC958AS

Wheel Loader

DIMENSIONS & SPECIFICATIONS



Scan to view the XC958AS product brochure

MAIN SPECIFICATIONS

MODEL

Operating Weight	19950 kg
Rated Load	5500 kg
Bucket Capacity	3.5 m ³
Bucket Breakout Force	≥150 kN
Tipping Load: Straight	≥13000 kg
Full	≥11000 kg

ENGINE

Type	Cummins QSB6.7 Inline 6 cylinder, air-to-air intercooled, electronically controlled common rail
Rated Power	164 kW / 2200 rpm
Max. Power	172 kW / 2000 rpm
Peak Torque	949 Nm / 1500 rpm
Displacement	6.7 L

AXLES

Drive System	Four-wheel drive
Front Axle	Fixed
Rear Axle	Oscillation angle 11°
Hub Reduction	Wheel-side planetary speed reducer
Differential	Front: limited slip differential
Reduction Ratio	24.685

REFILL CAPACITIES

Fuel Tank	300 L
Cooling System	45 L
Engine Oil	22 L
Transmission	45 L
Front Axle	55 L
Rear Axle	50 L
Hydraulic Tank	120 L
Hydraulic System (Including tank)	190 L

HYDRAULIC SYSTEM

Type	Full-variable
Pump	Variable displacement piston pump
Rated Oil Quantity	355 L/min
Control Valve	3 multi-way valve
System Pressure	230 bar
Lift Circuit	Yes
Tilt Circuit	Yes
Cylinder:	Lift 2-160 x 775 mm Tilt 1-180 x 535 mm
Cycle Time (Rated load):	Dump (Max. raise) ≤1.5 s Total ≤12 s

STEERING SYSTEM

Type	Flow-amplified, load sensitive
Pump	Variable displacement pump
Rated Displacement	177 L/min
System Pressure	195 bar
Cylinder	Double acting
Steering Angle	40° both right and left angle
Features	Centre-point frame articulation Tilt and telescopic steering column

NOISE

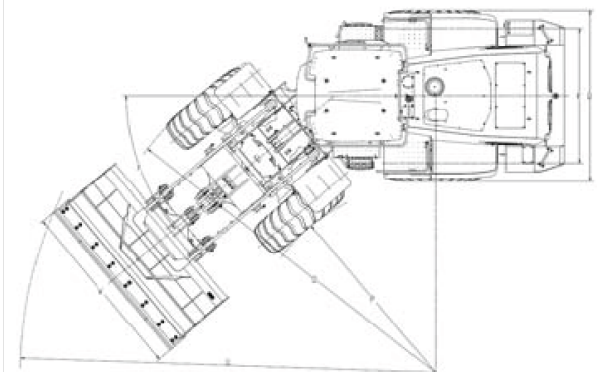
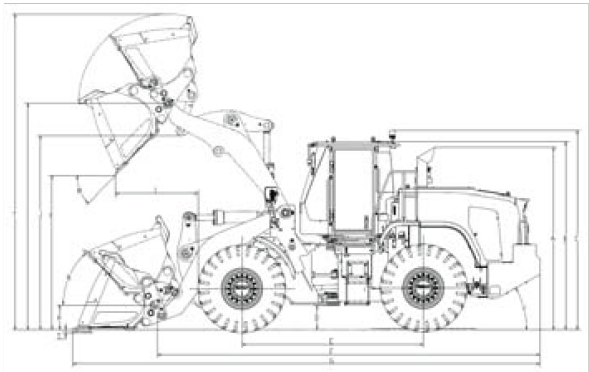
Exterior sound power level at cooling fan max. speed	113 dB
Operator sound pressure level	79 dB
Exterior sound power level	106 dB

TRANSMISSION

4 Speed Transmission	4BP210
	Fully-automatic electric control box
Travel Speed:	FWD 6/12/20/35 km/h REV 6/12/21 km/h
Brake Distance	≤11 m

DIMENSIONS & WORKING SCOPE

Height:	Top of exhaust pipe 3340 mm Top of cab 3530 mm Top of warning light 3735 mm
Ground Clearance	425 mm
Wheel Base	3350 mm
Overall Length (Without bucket)	7075 mm
Transportation Length (Bucket flat on ground)	8710 mm
Pivot Height :	Flat bucket 495 mm Max. lifting 4270 mm
Lift Arm Clearance (Max. lifting)	3690 mm
Dumping Clearance (Max. lifting and 45° dumping)	2955 mm
Dumping Reach (Max. lifting and 45° dumping)	1455 mm
Dumping Angle (Max. lifting and dumping)	45°
Rollback Angle:	Ground 43° Carry 48°
Tyre Radius:	Outside 6010 mm Inside 3230 mm
Width (Outside of tyres)	2850 mm
Wheel Track	2255 mm
Digging Depth	124 mm
Max. Lift Height	5895 mm
Turning Radius (Outside of bucket)	6850 mm
Gradeability	28°
Bucket Width	2996 mm
Steering Angle	40°



Materials and specifications in this brochure are subject to change without notice. Please speak with a Brooks Equipment Sales Representative for specifications of the physical unit.

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

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Discover more about your XCMG machine



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