

ADVANCED EXCAVATION

POWER | EFFICIENCY | DURABILITY



MADE FOR AUSTRALIAN CONDITIONS



HYDRAULIC EXCAVATOR **XE4000**

Product Specifications

OPERATING WEIGHT
384,000 kg

RATED POWER
1491 kW / 1800 rpm

BUCKET CAPACITY
22m³

ENGINE
Cummins QSK60C

Built for tough mining conditions.



INDUSTRY LEADING SERVICEABILITY

■ CONVENIENT DIAGNOSTICS

Working conditions are monitored in real time, with abnormalities initiating an alarm, for easy diagnosis of faults.

An on-board diagnostic system, reports real-time, multi-channel data, greatly improving the efficiency of fault diagnostics. The system provides on-line fault diagnosis and off-line data analysis, equipment behaviour analysis, and historical event playback.

■ INSPECTION MADE EASY

Overhaul channels are interconnected, and the oil vernier of the rotary reducer, is conveniently positioned on the platform, making inspection quick and easy.

■ CENTRALISED LUBRICATION

The fully automatic, single-line, centralised lubrication system, effectively controls the level of grease and lubrication interval between each point.

DESIGNED FOR THE OPERATOR

■ FAULT DIAGNOSTICS & REMOTE MONITORING

Integrated GPS system, allows for remote monitoring, control, and diagnosis. Machine location, working parameters on site, and alarm information can be monitored.

■ VIDEO MONITORING

A large screen display and multipoint video monitor eliminates blind spots, making construction safer.

■ COMFORTABLE & SAFE CAB

Spacious cab with full field of view, double seats, and FOPS.

The fully automatic, high power AC and heating system ensures a comfortable operating environment.

Shock absorption with multipoint support, effectively reduces vibration and noise, minimising fatigue of the operator.



■ CENTRALISED MAINTENANCE

Maintenance of the entire machine is achievable from the ground, at centralised points. The fast fill system improves maintenance efficiency and reduces labour intensity.

■ EXTENDED AIR FILTER SERVICE LIFE

The exhaust ejection system, uses the exhaust gas flow to discharge dust from the air filter through the exhaust pipe, effectively prolonging the service life of the filter.

EXCELLENCE UNDER PRESSURE

OPTIMISED PRODUCTIVITY

■ HIGH PERFORMANCE ENGINE

The Cummins full electric-controlled engine, utilises turbocharged technology and an advanced modular common rail fuel system, to provide ultra-high pressure and plenty of power. From which, fuel economy is improved, and the machine effortlessly meets various mining working conditions.

The quantum system monitors each working state of the engine, prolonging the service life, and reducing the cost of use.

■ EFFICIENT FUEL SYSTEM

A multi-stage fuel filter system allows the filter to reach up to 99% efficiency; effectively filtering impurities and moisture in the fuel to prolong the engine life.

Arranged in a parallel configuration, fuel inlet resistance is reduced, meeting oil inlet requirements.

The transparent water cup and level alarm, ensure manageable drainage.

EFFICIENT RETURN

■ The service life of the machine is prolonged, and working efficiency is improved by the world-renowned hydraulic components and reliable electronic control positive flow system.

■ Advanced out-of-valve regeneration and confluence system produce a greater generation and confluence flow, greatly reducing the energy consumption and utilisation.

■ Equipped with an advanced cooling system, the engine and hydraulic oil cooling are controlled by independent hydraulic circuits.

The variable hydraulic pump can automatically adjust the cooling power in real time, so the engine and hydraulic oil are at ideal working temperatures; conserving energy and reducing emissions.

■ The hydraulic chassis is equipped with a pressure feedback system, greatly reducing the impact on the operator in rough working conditions. When the built-in pressure feedback loop detects an impact force greater than the set limit, the excavator automatically stops walking; protecting the chassis and prolonging the life of structural parts.

■ The effective open-type rotation, using an advanced control system, provides the correct turning movement, greatly reducing the use of main pumps; reducing the cost of use.



MORE INTELLIGENT MANAGEMENT & CONTROL

- More efficient operation and energy conservation is achieved through the intelligent control system which accurately matches the power and hydraulic systems.
- The low temperature after cooling (LTA) system, guarantees the air intake temperature and service life of the engine cylinder body.
- The mining heavy-gray air filter, effectively prevents dust entering.
- Stable performance of the controller, sensor, and electrical elements, ensures safe and reliable operation of the machine.
- Service life of the hydraulic system is improved through the high pressure filter. The oil contamination sensor, and pressure sensor at the outlet of the pump and motor, reduce the risk of damage caused by impurities entering the pump and motor.
- The casting track board, with a continuous raceway and automatic guiding structure, provide continuous support to the high-strength wheel. This prevents lateral deviation, and reduces stress on the raceway surface.

- The combined heavy-duty chassis is made of high strength steel, meeting mine requirements and ensuring the durability of the chassis. Forged alloy steel is used for rotary bearings and the cross section.

The matching gear train layout, effectively ensures the reliability of operation, while providing stability and operator comfort.

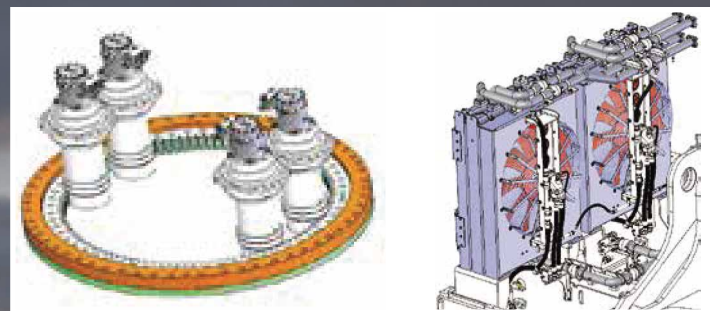
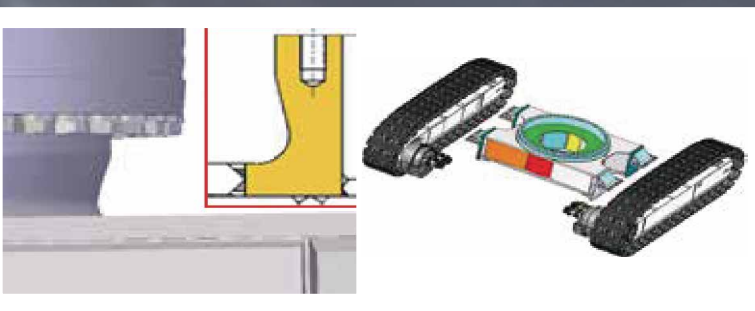
With a radius oblique cut, the force distribution is more uniform, reducing the concentration of stress to working parts.

- The XE4000 is designed to meet harsh mining environments; key parts are built from high strength, wear-resistant steel, with fully-closed floating pins, and an automatic lubrication system.

The standard bucket is configured with an alloy casting and wear-resistant rock teeth system, providing strong penetration and the ability to quickly change between attachments.

- The large, three-row roller slewing bearing, provides stronger axial and radial bearing capacities, longer service life, and lower maintenance costs.

Two sets of rotary devices are installed to balance the force of the rotary device, and increase its reliability.



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

Alan Hall - Brooks Equipment Customer



XE4000

Hydraulic Excavator

DIMENSIONS & SPECIFICATIONS

BROOKS
EQUIPMENT



Scan to view the XE4000
product brochure

MAIN SPECIFICATIONS

ENGINE

Model	QSK60C
Direct Injection	Yes
Four Strokes	Yes
Water Cooling	Yes
Turbo-charging	Yes
LTA	Yes
No. of Cylinders	16
Output Power	1491/1800 kW/rpm
Torque/Speed	8906/1500 Nm
Displacement	60 L

MAIN PERFORMANCE

Travel Speed (H/L)	2.3/1.6 km/h
Rotating Speed	3.2 r/min
Gradeability	30°
Ground Pressure	200 kPa
Bucket Digging Force	1057 kN
Arm Crowd Force	961 kN

HYDRAULIC SYSTEM

Main Pump	8 Plunger Pumps
Rated Flow of Main Pump	8 x 549 L/min
Pressure of Prime Valve	29.4 MPa
Pressure of Travel System	29.4 MPa
Pressure of Swing System	29.4 MPa
Pressure of Pilot System	4.4 MPa

OIL CAPACITY

Fuel Tank Capacity	7450 L
Hydraulic Tank Capacity	2050 L
Engine Oil Capacity	267 L

DIMENSIONS

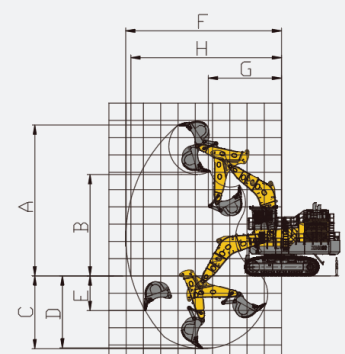
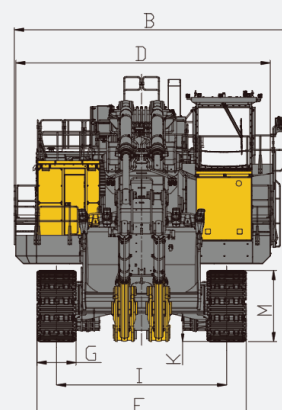
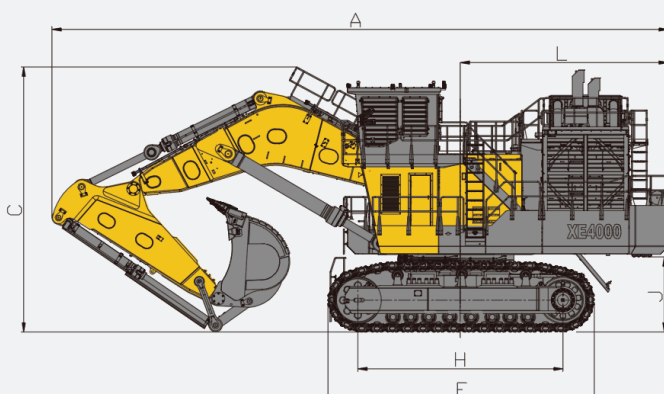
A Overall Length	20000 mm
B Overall Width	9070 mm
C Overall Height	8590 mm
D Width of Platform	8260 mm
E Length of Crawler	8700 mm
F Overall Width of Chassis	6770 mm
G Width of Crawler	1270 mm
H Track Length on Ground	6660 mm
I Crawler Gauge	5500 mm
J Clearance Under Counterweight	2430 mm
K Min. Ground Clearance	910 mm
L Min. Tail Swing Radius	7175 mm
M Height of Crawler	2305 mm
Operating Weight	384000 kg

WORKING SCOPE

A Max. Digging Height	17470 mm
B Max. Dumping Height	11740 mm
C Max. Digging Depth	8430 mm
D 8-Inch Horizontalplane Digging Depth	8355 mm
E Max. Vertical Wall Digging Depth	4015 mm
F Max. Digging Reach	18050 mm
G Min. Swing Radius	8480 mm

STANDARD

Length of Boom	9600 mm
Length of Arm	4500 mm
Bucket Capacity	20m ³ - 22m ³
Standard Bucket	22m ³



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



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