BROOKS EQUIPMENT

XCMG

# POWERFUL PERFORMANCE

## PRECISION HAULING | PROVEN STRENGTH


## MADE FOR AUSTRALIAN CONDITIONS


### HAUL TRUCK

# XDE130

Product Specifications

OPERATING WEIGHT
**205,000 kg**

RATED POWER
**895 kW / 1900 rpm**

PAYLOAD
**120,000 kg**

ENGINE
**Cummins KTA38**

BROOKS EQUIPMENT

# XDE130
## HAUL TRUCK
## *BENEFITS & FEATURES*

# Built for tough Aussie conditions.


## PRODUCT HIGHLIGHTS

- The XCMG XDE130 is a 120-tonne class double axle rigid dump truck engineered for high-efficiency material handling in mining and heavy construction environments.
- Combining robust structural design with advanced AC drive technology, it delivers powerful, smooth and reliable hauling performance.
- Featuring a high-performance Cummins engine, intelligent braking and weighing systems, and a safe, ergonomic cab, the XDE130 maximises productivity, operator comfort and lifecycle value in the most demanding operations.

## MACHINE WALKAROUND

### STANDARD CONFIGURATION
Self-cleaning air filter
Alternator (24 V / 175 A)
Automatic lubrication system with level indicator
Electric start
Electric control cabinet
Electric retarder cruise control system
Fan clutch
Reversing alarm and reversing brakes
Dynamic deceleration

### POWER & ELECTRICAL
Power supply: 24 V and 12 V DC
24 V circuit breaker
Battery system: 6 batteries, 975 CCA
Battery charging / jump-start connector
Radiator fluid level indicator
Quick connectors (lifting and diagnostics)
Removable powertrain (engine, alternator)

### BRAKING & STEERING
Front and rear brakes: dry disc brakes
Fully hydraulic service brakes with automatic engagement
Parking brake with warning light and speed application protection
Brake and traction interlock
Lifting and traction interlock device
Power steering with automatic assist

### BODY & STRUCTURE
Body limit device
Body safety rope
Deck protection handrails
Propeller shaft protective cover
Radiator fan guard
Anti-slip walkway
Access ramp through grille
Engine maintenance platforms (left and right)
Mudguards
Silencer mounted on the deck
Heated mirrors (left flat, right convex)

### LIGHTING (ALL LED)
4 headlights, 2 fog lights, turn signals, outline lights, brake and deceleration lights (cab top), 4 rear brake and deceleration lights, 2 dynamic deceleration lights (rear), 2 reversing lights (rear), 2 reversing lights (deck left and right), stair and platform lights, engine compartment inspection light, axle inspection light

### CAB
Positive pressure
Tinted safety glass windscreen
Electric windows, adjustable sun visor, dual wipers with electric washer
Air conditioning (R-134a)
Heavy-duty heater and demister
Floor mat (dual layer)
Driver's seat: adjustable, air suspension, lumbar support, armrests
Passenger seat
Telescopic and adjustable tilt steering column
AM/FM radio with USB and MP3

### AC DRIVE INTERFACE DISPLAY
*Multifunction driver display showing:* light status, engine hours, oil pressure and temperature, water temperature, fuel level, mileage, vehicle speed, load, ambient temperature and time, system voltage, gear position and excitation indicator, engine red/yellow alarms, low system voltage and low engine water level
*Backlit instruments:* voltmeter (battery output) cab fuel gauge, weighing system display

### CONTROLS & ALERTS
Engine delayed shutdown
Turbocharger clogging alarm
Low fuel warning light and buzzer
Electric retarder brake pedal
Hydraulic brake pedal
Front working lamp switch
High-beam selector and indicator
Horn (steering wheel centre)
Panel lighting (adjustable)
Roof lamp

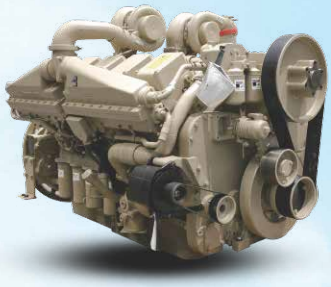
### SAFETY
Power switch
Engine emergency stop button (ground level)
Horn (electric, front)
Integrated ROPS/FOPS (Standard II) cab
Seatbelt: standard three-point

### OPTIONAL EQUIPMENT
Fast fuel filling system: 1,000 L/min (fuel tank and hydraulic oil tank)
Amber signal light
Maintenance and power lock
Antifreeze (down to –40 °C)
Standard body design
Body heating
Body components, OEM bulk transport*
Body wear plates
Rock breaker rod or rock breaker chain
Hydraulic lift platform
Hydraulic oil tank ladder
Fuel tank ladder
Low-temperature suspension system (front and rear)
Electric heater (engine coolant, hydraulic oil, fuel)
Liquid fuel heater (engine coolant)
Fire extinguisher
Fully automatic fire suppression system
Central filling (right side: coolant, engine oil, hydraulic oil, grease)
Fenders for fuel and hydraulic oil tanks
XCMG 360° panoramic imaging system
Weighing display screens (left and right)
Suspension filling kit
Toolbox
Tyres
Driver behaviour monitoring system
Blind-spot monitoring system
Unmanned system
Tyre temperature monitoring system
Tyre pressure monitoring system
Note: Optional equipment may alter the operating weight.

### BODY REQUIREMENT
The body supplied by XCMG is mandatory. Use of a body designed and locally manufactured by XCMG is recommended. Not applicable to third-party organisations.

# DEPENDABLE OPERATION ON EVERY SITE

***The XCMG XDE130 Double Axle Rigid Dump Truck has been expertly engineered for efficient material handling across mining, construction, and industrial applications. Built with exceptional durability and advanced features, this rigid dump truck delivers both precision and performance for demanding heavy-duty operations.***

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

Alan Hall - Brooks Equipment Customer


## HIGH-PERFORMANCE ENGINE

The XDE130 is powered by imported high-performance diesel engines, with Cummins or MTU powertrain options. The Cummins KTA38 complies with U.S. EPA Tier 0 emissions standards, while the MTU engine meets China Non-Road Stage III and U.S. EPA Tier 4i requirements. Both deliver high power output with reliable, efficient and low-noise performance. Advanced engine technology supports easy fault diagnosis and simplified maintenance.

## ELECTRIC RETARDER CONTROL SYSTEM

The braking system delivers up to 1,400 kW of maximum braking power and 1,100 kW of continuous braking power, ensuring safe full-load emergency braking and reliable downhill control, while improving safety and productivity.

## WEIGHING SYSTEM

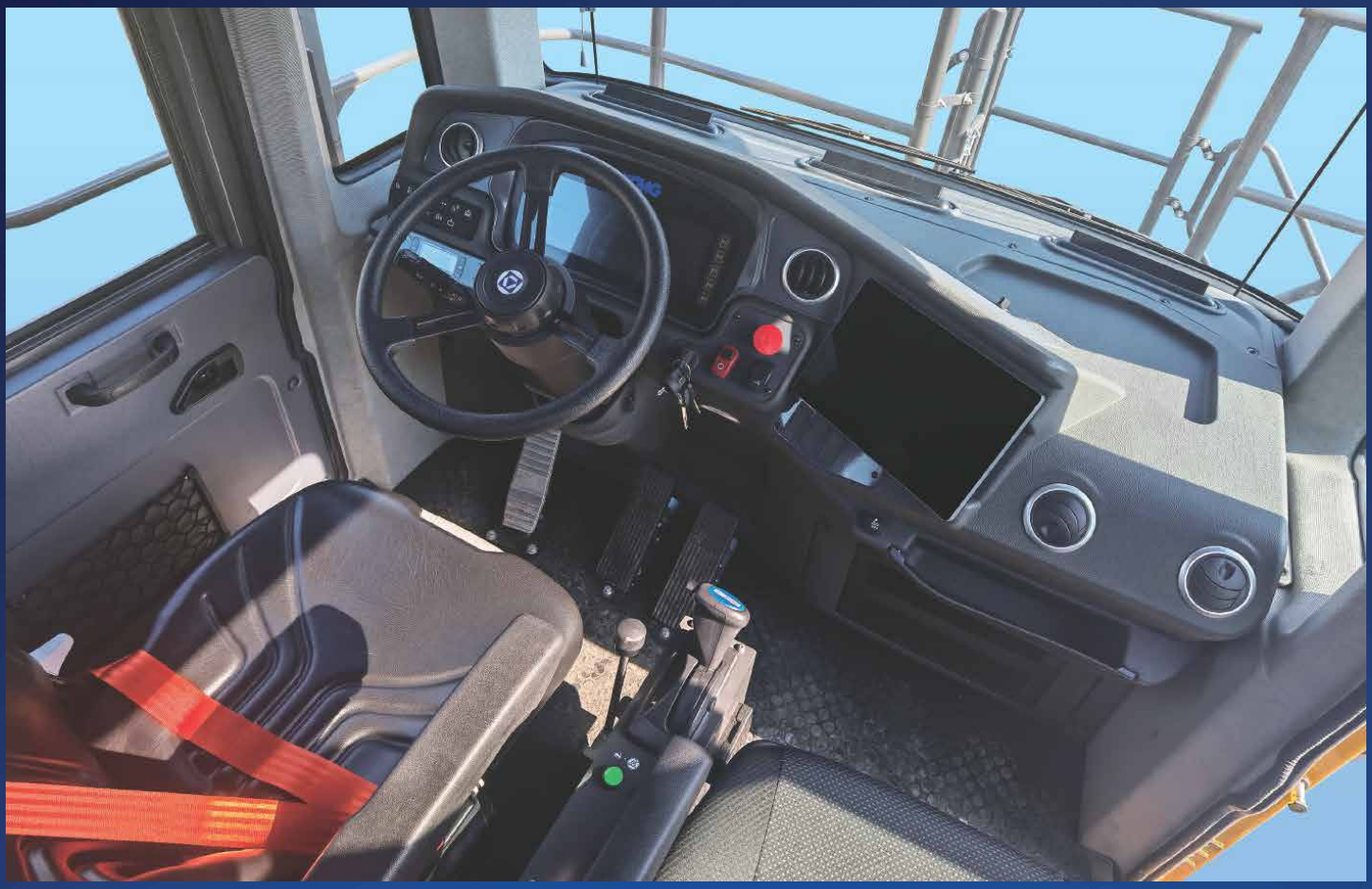
The onboard weighing system monitors and analyses payload data to optimise loading, improve productivity and reduce lifecycle costs. Key data recorded includes:

- Total haul cycles
- Total transported weight
- Payload distribution statistics
- Idle and full-load time and mileage

## AC DRIVE SYSTEM

The AC drive system is independently designed, developed and integrated by XCMG, combining the generator, converter cabinet, traction motor and braking resistor into a single intelligent control system. It features high power density, a compact layout, high efficiency and long service life.

Compared with mechanical drive systems, the simplified structure reduces hydraulic maintenance and lowers operating costs. A three-phase brushless AC generator and squirrel-cage AC traction motor provide proven reliability, durability and minimal maintenance, with integrated temperature and condition monitoring and overheating protection for key components.



# COMFORTABLE & SAFE OPERATION

## ERGONOMICALLY DESIGNED CAB

The cab provides a safe and comfortable working environment for modern mining operations. It is ROPS and FOPS certified to ISO 3471 and ISO 3449, with a spacious ergonomic interior and integrated touchscreen display. Effective climate control, double-laminated and double-layer hollow glass, dual-seal doors and cab pressurisation ensure excellent noise and dust isolation.

## USER-FRIENDLY DISPLAY INTERFACE

The CAN-bus LCD instrument panel integrates vehicle status, fault information and system monitoring, enabling real-time monitoring of engine, hydraulic, drive and weighing systems. Clear fault diagnostics and configurable functions improve operability.

## COMFORTABLE & DURABLE SUSPENSION SYSTEM

The suspension system improves ride comfort, stability and component life. Four oil-gas adjustable suspension cylinders reduce vibration and impact, while the front candle-type independent suspension ensures accurate wheel positioning. The rear longitudinal triangular swing arm suspension effectively absorbs road-induced stresses.

## MULTI-DIRECTIONAL ADJUSTABLE SEAT

The air-suspension seat reduces vibration and driver fatigue, with multi-directional adjustment and a tilting, telescopic steering column. Armrests, a seat belt and headrest further enhance comfort and safety.

# DESIGNED TO PERFORM, BUILT TO LAST

## STRONG & EASY TO MAINTAIN

***The XCMG XDE130 is a high-performance mining truck engineered for durability, efficiency, and reliability in demanding Australian environments. Offering a smooth, stable, and powerful hauling experience, it combines cutting-edge engineering with rugged construction to meet the toughest operational demands.***

### 120-TONNE CLASS FRAME DESIGN

The XDE130 frame is engineered using CAD, finite element analysis and extensive dynamic testing to ensure exceptional strength and durability under heavy loads. The box-section frame is manufactured from high-strength alloy steel plates, offering excellent fatigue resistance, low-temperature toughness and weldability, with premium cast steel used in critical high-stress areas.

### SIMPLE AND RELIABLE HYDRAULIC SYSTEM

A simple, robust hydraulic system controls steering, braking and lifting with fewer components. A modular pump and lifting valve assembly enables fast maintenance and replacement, while multi-stage hydraulic filtration ensures high cleanliness, large dirt-holding capacity and extended service intervals.

### TWO-STAGE NGW PLANETARY GEARBOX

The electric wheel gearbox uses a two-stage NGW planetary gear system with power split. Its compact design delivers a high transmission ratio, high output torque, smooth and low-noise operation, and high efficiency. The gearbox is designed for a service life of at least 60,000 hours.

### EASY MAINTENANCE ACCESS

Designed for efficient servicing, the XDE130 features maintenance ladders on both sides of the front frame for easy engine access, emergency engine stop and ladder lighting switches at the front bumper, and ground-level fuel quick-fill ports on both sides of the frame.

### MODULAR DESIGN

The modular vehicle structure allows fast disassembly, transport and maintenance. Bolted joints on the frame and rear axle reduce downtime and improve machine availability.

### CENTRALISED FILLING SYSTEM

The centralised filling system supports engine oil, hydraulic oil, fuel, grease and coolant filling and discharge. It is located low on the left side of the front frame for safe and convenient ground-level operation.

### FULLY AUTOMATIC CENTRAL LUBRICATION SYSTEM

The automatic lubrication system services 22 key pivot points, improving reliability and reducing maintenance workload. Lubrication intervals are programmable, with pressure monitoring and alarm functions.

### LCD MAINTENANCE SCREEN

An in-cab LCD supports installation, maintenance and troubleshooting, reducing the need to access the control cabinet for routine diagnostics.

# SMOOTH & STEADY PERFORMANCE

## CAB

The cab complies with ISO 3471 and ISO 3449 (Level II) ROPS/FOPS standards, offering a spacious interior and excellent visibility. It is fully equipped with displays, gauges, alarms, lighting, control switches and a radio. The driver's seat is a fully adjustable, air-suspended high-back seat, with a front passenger seat provided.

Features include an onboard computer, electric windows, tilt-and-telescopic steering column, electric windscreen wipers and washers, tinted glass, and air conditioning with heating and cooling. Vehicle operating data and fault warnings are displayed via an LCD screen and integrated gauges.

## FRAME

The frame uses an advanced integrated box-type structure, comprising two longitudinal beams and five crossbeams. Key stress transition areas utilise cast components, combined with a robust continuous gantry beam for enhanced strength and durability.

## BODY

High-strength bottom and side plates provide a robust structure and extended service life. The single-slope bottom plate ensures clean unloading and is fitted with safety rope supports, body cushioning pads and stone discharge devices.

## SUSPENSION

Variable-rate hydraulic and pneumatic, overall rebound control.

## ELECTRICAL SYSTEM

Six 12 V batteries (975 CCA each) connected in series/parallel, bumper-mounted, with a battery disconnect switch.

## STEERING

Dual steering cylinders assisted by an accumulator provide stable and reliable steering. An auxiliary steering function is automatically supplied by the accumulator.

## BRAKE SYSTEM

*Service brake:* Hydraulic dry disc brakes (front: two sides; rear: one side)

*Traction system:* Wheel anti-slip control

*Automatic application system:* Engages automatically before brake pressure falls below the specified limit to support auxiliary braking

*Auxiliary braking system:* Compliant with ISO 3450

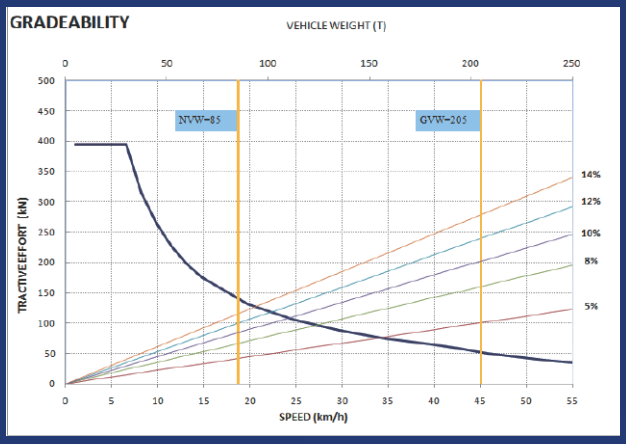
*Parking brake:* Normally closed dry disc brake, hydraulically released with spring lock, located on one rear wheel

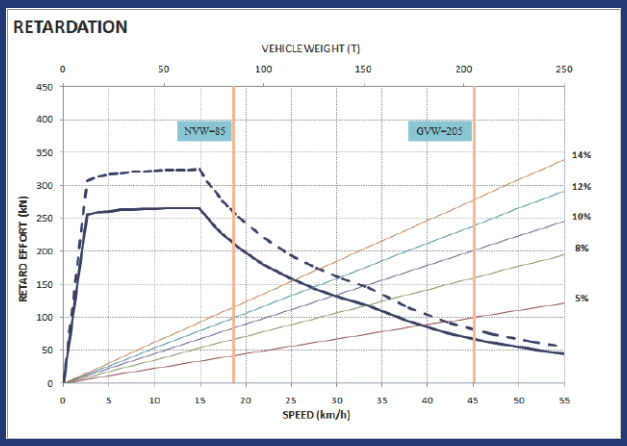
## COOLING SYSTEM

XCMG radiator assembly with replaceable bypass-type cooling pipes and a top-mounted deaerator-type expansion tank.

# WEIGHT & PERFORMANCE

## PERFORMANCE CURVE




## WEIGHT

| UNLADEN WEIGHT (NVW) | |
|---|---|
| Front axle distribution (48%) | 42500 kg |
| Rear axle distribution (52%) | 42500 kg |
| Unladen total weight | 85000 kg |

| GROSS WEIGHT (GVW) | |
|---|---|
| Front axle distribution (33%) | 67650 kg |
| Rear axle distribution (67%) | 137350 kg |
| Vehicle total weight | 205000 kg |

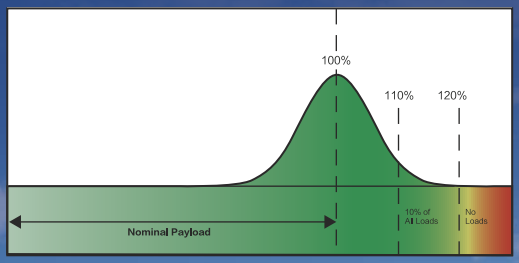
| PAYLOAD CAPACITY | |
|---|---|
| Effective Payload | 120000 kg |

## LOADING SPECIFICATIONS

The loading specifications define the loading guidelines and restrictions for XCMG mining trucks.

1. Gross Vehicle Weight (GVW) includes the chassis, body, tires, accessory, lubricants, fuel, operator, payload, and any excess material accumulation.
2. The average monthly payload must not exceed the vehicle's rated payload.
3. Actual payload ≤ 110% of rated payload, with a proportion of no less than 90%.
4. 110% of rated payload ≤ actual payload ≤ 120% of rated payload, with a proportion of no more than 10%.
5. Under no circumstances should the actual payload exceed 120% of the rated payload.

*Rated payload includes all optional accessories.




# XDE130

## Haul Truck

## *DIMENSIONS & SPECIFICATIONS*

BROOKS EQUIPMENT

Scan to view the XDE130 product brochure

## MAIN SPECIFICATIONS

### ENGINE

| | | |
|---|---|---|
| Model | | KTA38 |
| Standard Emission | | U.S.EPA Tier 0 |
| Fuel Type | | Diesel |
| Number of Cylinders | | 12 |
| Stroke | | 4-Stroke |
| Full Horsepower | | 895 kW @ 1900 rpm |
| Flywheel Net Power | | 810 kW @ 1900 rpm |
| Weight | Wet | 3950 kg |
| | Dry | 3723 kg |

### ELECTRIC DRIVE SYSTEM

| | |
|---|---|
| AC/DC Current | / |
| Alternator | XCMG-A865 |
| Single-blade inline blower | 178.8 $m^3$/min |
| Control | Ac frequency conversion control system |
| Electric Wheel* | XCMG-M360 |
| Speed Ratio | 33.85:1 |
| Max. Speed | 50 km/h |

### TYRES AND RIMS

| | |
|---|---|
| Tubeless, Radial Tyres, Standard Tyres | 30.00R51 |
| Flange-Mounted, Five-Piece Rims | 22.00/4.5 |
| Rim Rated Cold Inflation Pressure | 7.2 bar, 105 PSI |
| Total Tyre Weight | 10620 kg |

### SUSPENSION

| | |
|---|---|
| Max. Stroke of Front Suspension | 320 mm |
| Max. Stroke of Rear Suspension | 310 mm |
| Max. Vibration Amplitude of Rear Axle | ±6.5° |

### FRAME

| | |
|---|---|
| Plate Material | 670 MPa low alloy high strength steel |
| Casting Material | 630 MPa low alloy high strength steel |
| Longitudinal Beam Width | 200 mm |
| Min. Longitudinal Bean Depth | 280 mm |
| Top and Bottom | 25 mm |
| Side Plate Thickness | 16 mm |
| Dive Axle Installation | Pin hinged with joint bearing |
| Drive Axle Positioning | Rear frame tie rod |

### BODY

| | |
|---|---|
| Bottom Plate | Thickness 20 mm |
| Front Plate | Thickness 12 mm |
| Side Plate | Thickness 10 mm |
| Guard Plate | Thickness 6 mm |
| Struck Capacity | 60 $m^3$ |
| Heaped Capacity | 73 $m^3$ |
| Standard XCMG Body Weight | 21926 kg |

### LOADING HEIGHT

| | |
|---|---|
| Loading Height | 4650 mm |

### ELECTRICAL SYSTEM

| | |
|---|---|
| Alternator | 24V/175A |
| Lighting Equipment | 24V |
| Starter Motor | 2/24V |

### HYDRAULIC SYSTEM

| | | |
|---|---|---|
| Turning Diameter (SAE) | | 23 m |
| Hydraulic Oil Tank | | 650 L |
| Oil Filter | | 250 μm |
| Oil Return Filter | | 12 m |
| Lift and Turn High Pressure Filter | | 12 m |
| Lifting | | Two one-stage double acting, two-stage |
| Lifting Time | | Sing acting hydraulic cylinders |
| Lifting (Load) | | 17 s |
| Lowering | High Idle | 22 s |
| | Low Idle | 25 s |
| Pump | | Dual pump direct drive, series gear pump |
| Lifting and Cooling | | 342 L/min/ 1900 rpm |
| Steering and Braking | | 342 L/min/ 1900 rpm |
| Lifting and Cooling | | 17000 KPa/ 2465 psi |
| Steering and Braking | | 23000 KPa/ 3335 psi |

### BRAKE SYSTEM

| | | |
|---|---|---|
| Max. Braking Pressure | Front | 150 bar |
| | Rear | 100 bar |
| Diameter of Brake Disc | Front | 1020 mm |
| | Rear | 600 mm |
| Electric Retarder | | 1400 kW/ 1877 hp |

### FUEL FILLING SYSTEM

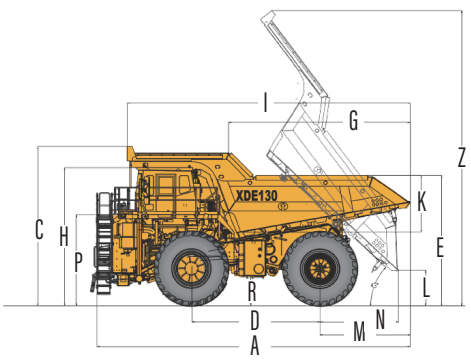
| | |
|---|---|
| Cooling System | 330 L |
| Crankcase | 129 L |
| Hydraulic System | 650 L |
| Motor Gearbox (Each) | 40 L |
| Fuel Tank | 1200 L |

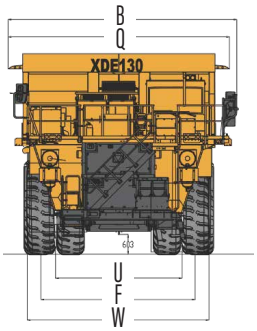
### COOLING SYSTEM

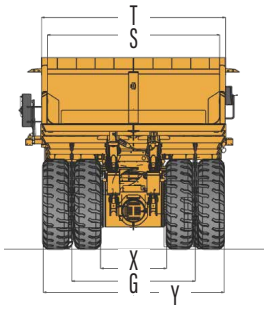
| | |
|---|---|
| Radiator Front Area | 3.14 $m^2$ |

### DIMENSIONS

| | | | | | |
|---|---|---|---|---|---|
| C | 6,100 mm | D | 4,900 mm | F | 4,695 mm |
| G | 6,975 mm | K | 2,181 mm | V | 570 mm |
| N | 3,011 mm | I | 10,860 mm | W | 5,530 mm |
| E | 5,010 mm | A | 12,000 mm | T | 5,852 mm |
| H | 5,300 mm | L | 1,374 mm | G | 3,930 mm |
| R | 1,155 mm | B | 6,968 mm | S | 5,484 mm |
| M | 3,466 mm | U | 3,860 mm | Y | 5,640 mm |
| Z | 11,310 mm | Q | 6,748 mm | X | 1,905 mm |
| P | 3,500 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

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