XCMG

ELECTRIC
XE1350E
HYDRAULIC EXCAVATOR

123/122t
Operating weight
Face shovel / Backhoe

560kW
Electric motor power

7.0-8.0/5.2-10.0m³
Bucket capacity
Face shovel / Backhoe

EYBEN1350E-A26

XCMG

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PRODUCT INTRODUCTION

XE1350E

XCMG currently offers 23 major categories and over 400 models of mining equipment, encompassing multiple technical routes including pure electric, hybrid, and hydrogen energy. These cover the entire construction process, from drilling and excavation to loading, transportation, breaking, leveling, pushing, and spraying. The products include a series of drilling rigs, mining excavators, loaders, dump trucks, crushing and screening equipment, bulldozers, graders, water trucks, and other auxiliary equipment, meeting the diverse construction needs of industries such as coal, metals, building materials, water conservancy, and ports.

The XE1350E is a newly developed 120-ton class electric mining excavator by XCMG. Designed with energy conservation, environmental protection, and high efficiency as its core principles, it features "high digging force, high operating efficiency, good reliability, safety and environmental protection, and low maintenance costs".

Low Operating Cost

Average hourly power consumption is **280 kW · h**, resulting in a direct reduction in operating costs.

Low energy consumption

With a power consumption of **0.49 kWh** per ton, energy costs are reduced significantly.

Complete set of equipment

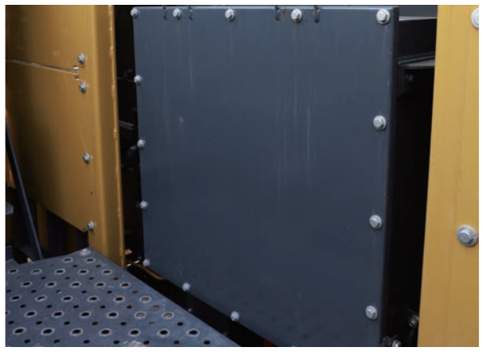
Compatible with XCMG **70–90 ton** mining truck loading operations

01 Engine

More 'E' strengthen production capacity

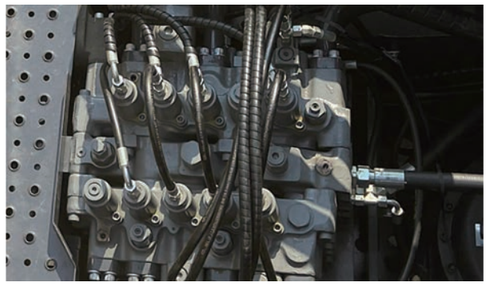
Powerful Force

Backpack squirrel-cage three-phase asynchronous motor-from a first-class brand, which realizes low energy consump.-tion, high efficiency, low noise, zero emission and adaption toworking environments of construction machinery.



Reliability & High Efficiency

The hydraulic system adopts a load-sensing positive flow control system, proven mature and reliable. All critical hydraulic components are selected from internationally renowned brands, ensuring advanced performance and high reliability. An open-circuit swing system is employed, offering stable technology. When swing is inactive, the swing pump's flow is diverted to the working equipment, achieving a maximum flow rate of 3×531L/min3×531L/min for faster excavation speed.



The high-voltage control system is self-developed and highly reliable. The special microcomputer protection system has overload, under-phase,reverse-phase, under-voltage and over-current protection functions and lightning protection devices; the high-voltage cabinet has a new air-pressure and dust-proof device, the motor has a three-phase winding and bearing temperature real-time detection function to protectthe high-voltage electrical core components, and the plug-in-high-voltage cable coupler provides users with operation aconvenience.

The hydraulic system features independent cooling, with fan speed automatically adjusted based on hydraulic oil tempera-ture to reduce fuel consumption. The transfer case gear oil utilizes circulating cooling to prevent high-temperature degradation and ensure optimal lubrication performance.

Accurate Excavation

The system automatically controls the flow and power of the hydraulic system according to the working load, making the system more efficient and energy saving.

The system is monitored in real time and fault alarms are promptly pushed through the cloud platform to customers and service personnel for timely handling to reduce fault losses.

Optimal Bucket Matching

The optimized bucket design features key cutting edge plates made of GPa-grade high-strength wear-resistant steel, signifi-cantly extending bucket service life. This enables effortless cutting of harder materials and better adapts to heavy-duty mining conditions involving rock, coal, and metal ores.

Matched with XCMG 90-100 ton class mining trucks, the digging and loading operations are seamlessly integrated, achieving doubled loading efficiency.

02 Upgraded system

More 'E' intelligent and efficient

Intelligent Control

The design mode of "intelligence + service" electrical system of XCMG unified platform, and a high integration of engine, pump valve control, monitoring settings, air conditioning control, and separare heat dissipation module control.

For wiring harness and sensor manufacturing with thehighest vehicle reliability requirements, the "nylon weavingprocess and fast disassembly/assembly fixtures are adoptedfor all XCMG large excavators, and the target of"providingdurable machines" is achieved

Precise Cost Control

Electric motors require less maintenance compared to engines, eliminating the need for diesel refueling, air filter replacement, oil changes, and diesel filter replacements. This significantly reduces maintenance costs while improving equipment availability. Even in high-altitude environments, there is no power degradation.

The electric motor requires no major overhaul, features extended service life and minimal maintenance costs. With electricity being more economical than fuel, it delivers lower operating costs per unit production.

Improved Comport

The cab features a newly designed positive-pressure system that effectively isolates dust, significantly reduces interior noise, improves air conditioning performance, and provides more spacious operation with enlarged cab dimensions.

Equipped with a new-generation automatic suspension seat, the cushion and backrest feature enhanced ergonomic design with optimized weight distribution for superior support, significantly reducing fatigue during prolonged operation.

Electric heating function of the seat, comfortable in cold weather, improve comfort far operator, and increase operation efficiency.

03 Rainforced Components

More 'E' reliable and durable

Structural Reinforcement

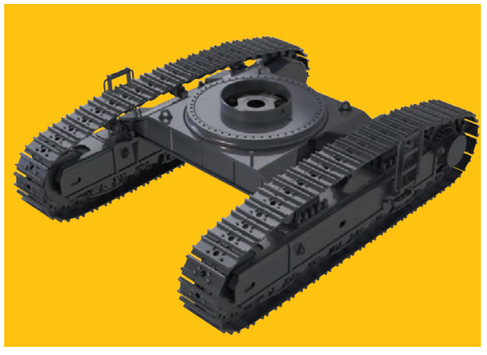
The reinforced working equipment adopts premium high-strength steel plates for the boom, arm and bucket, with structurally optimized design. Advanced welding techniques and equipment ensure superior welding strength. Critical connection points utilize forged or cast structures to minimize welding stress concentration.

Standard heavy-duty rock bucket constructed with high-strength wear-resistant steel plates, featuring wear protection panels on both the surface and perimeter to extend service life.

Improved Bearing Capacity

Reinforced undercarriage structure, solidly forged swing-bearing seat and T-shaped cross-section structure to avoid the max stress position at welding seams and to assure better stress form.

Three rows of roller swing bearings, compared to single row of ball swing bearings adopted by other manufacturers, it has higher loading capacity, smoother swing and longerservice life.



Optimized Layout 04

More 'E' maintenmance

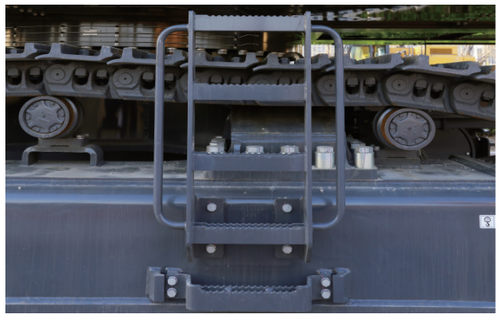
Maintenance Access

The machine features user-friendly design with easy-access points for oil filling, level inspection, oil draining and filter replacement, making maintenance effortless and time-saving.

Walkways on the left, right and middle, making access and maintenance convenient. High guardrails on left and right walkways to protect personnel safety.

Automatic Lubrication System

The 30L high-capacity automatic lubrication system ensures effective greasing of main pins and slewing bearings on working equipment, reducing operator workload for manual greasing, shortening maintenance time, and increasing operational availability.



05 User-Friendly Design

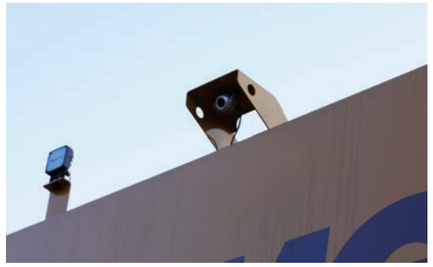
More 'E' safe and environmentally friendly

Reinforced Cab

The reinforced cab meets FOPS protection standards. The front window uses laminated glass that won't shatter completely upon impact, providing better operator protection. Additionally, the cab can be equipped with an optional front overhead protective screen for use in special working conditions.

Rotating alarm lamp on top of the cab and buzzer on the excavator, which respectively flashes and sounds when the excavator walks or swings to warn people around it.

Emergency stop switches are arranged in three positions inside the cab, on the shed frame and on the right front turntable to be able to stop the motor in case of emergency. Cameras are installed on top of the counterweight and in front of the electric control cabinet to improve the driver'svisibility and increase operational safety.



Low Carbon Emission

The motor is pollution-free and environmentally friendly, andit dces not emit pollutants.

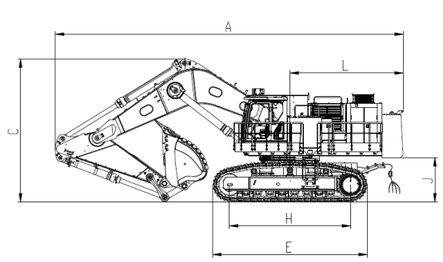
Backhoe Main Parameters

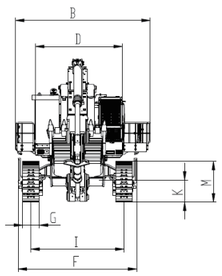
Description: The information and graphics in this brochure reflect the technical features and configuration standards of certain models as of the submission deadline (refer to the configuration table). The configurations vary among different models (subject to the actual machine). In line with the principle of continuous product development, our company reserves the right to modify product technical parameters, optional components, colors, etc., at any time. Some images in this brochure are schematic diagrams and are provided for reference only. In the event of any discrepancy between the images and the actual product, the actual product shall prevail. This brochure serves solely as a source of reference information and does not constitute a contractual document. For detailed information, please contact your local XCMG Mining Machinery dealer. Unauthorized reproduction of the content in this brochure is prohibited without the authorization of Xuzhou XCMG Mining Machinery Co., Ltd.

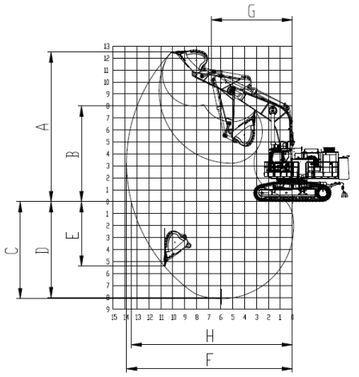
Type Backhoe	Bucket Capacity	Weight	Suitable Material Density
	m^3	kg	kg/m^3
Light-Duty	10	7100	1300
Standard	8	7560	1800
Heavy-Duty	7	7410	2000
	6	6980	2500
	5.2	6400	3000

Model	UMO	Parameters
Operating Weight	kg	122000
Bucket Capacity	m^3	5.2-10
Length of boom	mm	7600
Length of amm	mm	3400
Motor		
Powertrain	/	XCMG-M400
Output Power	kW	560
Rated Speed	rpm	1482
Rated Voltage	V	6000
Rated Frequency	Hz	50
Main performance		
Travel speed	km/h	3.5/2.4
Rotating speed	r/min	5.2
Gradeability	°	35
Ground pressure	kPa	153
Max. bucket digging force	kN	630
Max. arm digging force	kN	520
Max. traction force	kN	746
Hydraulic system		
Main pump	/	3 piston pumps
Rated flow of main pump	L/min	3×531
Pressure of prime valve	Mpa	34.3
Pressure of travel system	Mpa	34.3
Pressure of swing system	Mpa	28
Pressure of pilot system	Mpa	4.1
Oil Capacity		
Hydraulic tank capacity	L	640

Model	UMO	Parameters
Appearance size		
A Overall length	mm	14770
B Overall width	mm	5700
C Overall height	mm	6190
D Width of platform	mm	3670
E Length of crawler	mm	6500
F Overall width of chassis	mm	4980
G Width of crawler	mm	700
H Track length on ground	mm	5090
I Crawler gauge	mm	3900
J Clearance under counterweight	mm	1870
K Min.ground cearance	mm	920
L Min.tail swing radius	mm	4920
M Height of crawler	mm	1710
Working scope		
A Max. digging height	mm	12580
B Max. dumping height	mm	8080
C Max. digging depth	mm	8200
D 8-foot horizontal plane digging depth	mm	8010
E Max. vertical digging depth	mm	5400
F Max. digging radius	mm	13940
G Min. swing radius	mm	6780
H Max. digging reach (on ground)	mm	13550







Face Shovel Main Parameters

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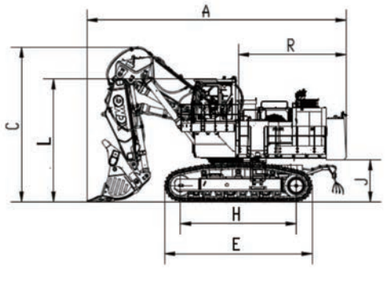
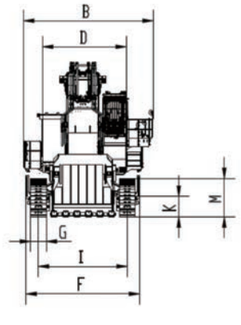
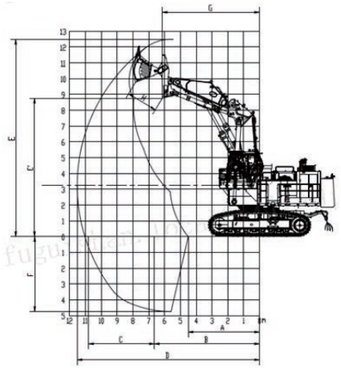
Type Face Shovel	Bucket Capacity	Weight	Suitable Material Density
	m^3	kg	kg/m^3
Light-Duty	8	10845	1500
Standard	7	10000	1800

Model	UMO	Parameters
Operating Weight	kg	123000
Bucket Capacity	m^3	7-8
Length of boom	mm	5200
Length of amm	mm	4000
Motor		
Powertrain	/	XCMG-M400
Output Power	kW	560
Rated Speed	rpm	1482
Rated Voltage	V	6000
Rated Frequency	Hz	50
Main performance		
Travel speed	km/h	3.5/2.4
Rotating speed	r/min	5.2
Gradeability	°	35
Ground pressure	kPa	154
Max. bucket digging force	kN	710
Max. arm digging force	kN	610
Max. traction force	kN	746
Hydraulic system		
Main pump	/	3 piston pumps
Rated flow of main pump	L/min	3×531
Pressure of prime valve	Mpa	34.3
Pressure of travel system	Mpa	34.3
Pressure of swing system	Mpa	28
Pressure of pilot system	Mpa	4.1
Oil Capacity		
Hydraulic tank capacity	L	640

Model	UMO	Parameters
Appearance size		
A Overall length	mm	11400
B Overall width	mm	5700
C Overall height	mm	6810
D Width of platform	mm	3670
E Length of crawler	mm	6500
F Overall width ofchassis	mm	4980
G Width of crawler	mm	700
H Track length on ground	mm	5090
I Crawler gauge	mm	3900
J Clearance under counterweight	mm	1870
K Min.ground clearance	mm	920
L Height of cab	mm	5380
M Height of crawler	mm	1710
R Min. tail swing radius	mm	4920
Working scope		
A Min. digging distance	mm	4500
B Min. horizontal stacking distance	mm	6570
C Ground pushing distance	mm	4370
D Max. digging radius	mm	11520
E Max. cutting height	mm	12490
E' Max. dumping height	mm	8750
F Max. digging depth	mm	4750
G Operating radius at max. dumping height	mm	6150
H Max. bucket opening width	mm	1950







Standard √, Optional ○

Cab and Interior	Face Shovel	Backhoe
Pressurized cab	√	√
Raised Cab	√	×
Double laminated wind screens and other tempered windows	√	√
Sunshade	√	√
Wiper	√	√
Cup holder / Document bag	√	√
Thermal container	√	√
Coat hook	√	√
Washable floor mat	√	√
Fully adjustable air suspension seat	√	√
Adjustable seat armrest	√	√
Seat belt (Width 51MM [2])	√	√
Air conditioning system	√	√
Bidirectional air conditioning with defroster (auto type)(Pressurization function)	√	√
Control handle	√	√
Travel control pedal with detachable manual handle	√	√
High-resolution color LCD touchscreen dashboard displaying warning information and more	√	√
High and low speed shifting	√	√
Radio	√	√
2 Stereo speaker	√	√
Fire extinguisher	○	○
Safety Protection		
Automatic fire extinguishing system	○	○
Falling-object protective structure (FOPS)	√	√
Driver's cab front upper protection net	○	○
Driver's cab front lower protection net	√	√
Rear-view monitoring camera	√	√
Right-mounted Monitoring Camera	√	√
360 panoramic image system	○	○
Behavior monitoring system	○	○
Driver's cab door locks and compartment locks	√	√
Emergency stop switch	√	√
Rear window emergency exit	√	√
Retaining valves for boom, arm	√	√
Alarm horn	√	√
Overheating alarm	√	√
Rotating alarm light	√	√
Safety handrails and footsteps	√	√
Anti-slip plate / anti-slip tape	√	√
Hydraulic safety locking rod	√	√
Emergency escape hammer	√	√
Right Side Mirror	√	√
Left Access & guardrailss	√	√
Right access& guardrails	√	√
Mid-access	√	√
Working Device		
7.6m Boom	×	√
5.2m Boom	√	×
3.4m Arm	×	√
4.0m Arm	√	×
5.2m^3 Rock bucket	×	○
6.0m^3 Rock bucket	×	○
7.0m^3 Rock bucket	√	○
8.0m^3 Rock bucket	○	√
10.0m^3 Standard bucket	×	○

Standard √, Optional ○

Motor	Face Shovel	Backhoe
Electric motor brand	XCMG	XCMG
Electric motor model	XCMG-M400	XCMG-M400
Voltage	6000V	6000V
Start system for pressure reduction	√	√
Fan Protective Cover	√	√
External Fan	√	√
Electric Heater	√	√
Hydraulic system		
Boom/Arm flow regeneration	√	√
Auxiliary Hydraulic Valve	√	√
Reverse slewing damping valve	√	√
Automatic slewing parking brake	√	√
Hydraulic Cushion Valve	√	√
Straight hydraulic circuit	√	√
Boom priority valve	√	√
Slewing anti-sway valve	√	√
Gauge pressure monitoring	√	√
Electrical system		
Battery (2×950 CCA)	√	√
Battery circuit breaker	√	√
Travel alarm	√	√
24V DC power interface	√	√
12V DC power interface	√	√
5V USB Interface	√	√
Motor		
Left and right boom LED work lights	√	√
Left and right platform LED work lights	√	√
Cab interior lighting	√	√
Roof-mounted front LED work light	√	√
Roof-mounted rear LED work light	√	√
LED step light on the left side of the driver's cab	√	√
Pump chamber LED lights	√	√
Counterweight lights	√	√
Chassis\Shield		
Track guard	√	√
Full length track guard	○	○
Protection device kit: chassis bottom sealing plate, travel motor sealing plate	√	√
700mm Double reinforced track shoe	√	√
900mm Double reinforced track shoe	○	○
1000mm Double reinforced track shoe	○	○
Control Technology		
XEICS intelligent control system	√	√
Bluetooth system	√	√
Diagnostic logger	√	√
Data link socket	√	√
Lubrication System		
Automatic lubrication system	√	√
Counterweight		
Counterweight	√	√