

# Hydraulic Excavators XE250U



Rated Power: 145 kW (194.5 hp)  
Operating Weight: 27300 kg (60186 lb)  
Bucket Capacity: 1.2 m<sup>3</sup> (1.57 yd<sup>3</sup>)

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Machines shown may include optional equipment.





# INTRODUCTION OF XCMG

XCMG, as a leading enterprise valued of 100 billion RMB, with the largest scale, the best technology level, the largest export volume, and high competitiveness and influence in China's construction machinery industry, has been occupying the first place in China's construction machinery industry for decades, and it now ranks the third in the world industry and the 382th among the world's top 500 brands.

The main products by XCMG consists of 16 categories of equipment such as hoisting machinery, excavation machinery, concrete machinery, mining machinery, earth-moving machinery and road machinery, etc., as well as three categories of key components such as hydraulic system, transmission system and electric control system. Among above-mentioned, hoisting machinery ranks first in the world, and package solution of road construction and maintenance machinery, piling machinery and concrete machinery are among the first-class bloc in the world.

XCMG has accumulated more than 8000 approved patents, including more than 1900 invention patents and more than 130 PCT international patents. Entities of R&D centers, manufacturing plants or KD factories are in operation in more than 10 countries such as Germany, the United States, Brazil and India, XCMG has also acquired three European enterprises including Schwing in Germany. The Brazil manufacturing plant, with an investment of 350 million dollars to build up factories on a bare ground, has become a model of economic cooperation between China and Brazil. At present, XCMG products are exported to 187 countries and regions, covering 97% of the countries along "The Belt and Road" area. In export business to 35 countries, XCMG's proportion ranks NO. 1, with a steady first place within Chinese industry in terms of annual export volume and overseas income.

The newly upgraded XE250U builds on its reputation as one of the most sold and appreciated excavators of XCMG. All systems have been designed on the basis of harmonious matching of sufficient power, hydraulic flow, versatility, low fuel consumption and environmental protection features.

If you are looking for a tough machine from a durable brand you can trust to get your work done with efficiency, look no further than our XE250U. Its versatile design and innovative features deliver the performance you expect to do various difficult jobs.



## Built to last

The robust design featuring state-of-the-art British made Cummins Tier 4 Final compliant engine, Kawasaki-KPM swing motor, Rothe Erde slewing bearing and upgraded hydraulic system, coupled with reinforced boom, arm, structural parts, and enlarged cylinders makes the XE250U a reliable machine that will live up to your every expectation during digging, breaking, grading and various applications.

## Made to do more

Multiple sizes of buckets including 1.1-1.5 m<sup>3</sup> (1.44-1.96 yd<sup>3</sup>) Earthwork Bucket, 1-1.4 m<sup>3</sup> (1.31-1.83 yd<sup>3</sup>) Strengthened Bucket, and 0.9-1.3 m<sup>3</sup> (1.18-1.7 yd<sup>3</sup>) Rock Bucket give you more options in different jobsites. Further with a wide range of attachments, the machine has more to offer.

## Safety solutions

Every XCMG excavator is designed with safety as a high priority. The machine has standard features of ROPS and optional OPG certified cab, the rear view and the right view cameras, emergency stop, the guard rails, anti-burst valve, and LED working lights. Both the operator and people around the machine are well protected with these solutions.

## Optional features give you more

The XE250U comes with every feature that the operator would expect in the industry. Additionally, it can always surprise you with multiple optional equipments such as two types of arms, hydraulic thumb, timber grab, hydraulic shear, scrap shear, vibratory, etc.

## Easy-to-use attachments

As standard, single & dual way auxiliary hydraulic pipelines (AUX1) for attachments such as hammer, grapple; and dual way auxiliary hydraulic pipelines (AUX2) for rotating such as clamshell, shear.

## Operator comfort

To ensure operator comfort, it offers a spacious cab with low noise and reduced vibration by silicon-filled viscous mount and excellent all-round visibility. Fully adjustable heated air suspension seat and air conditioning with climate control as standard. The centralized control buttons and upgraded human machine interface cost no efforts during the operations.

## Precise control

With 8 attachment modes and 3 power modes and proportional joysticks, the operator can finish demanding tasks with confidence and efficiency.

## Powerful engine

The reliable Cummins B6.7 T4F engine delivers exceptional power while reducing emissions and fuel consumption by adopting high pressure common-rail electronic injection system among other advanced technologies such as Diesel Particulate Filter (DPF) and associated regeneration system to achieve less emissions.

## Easy maintenance

The grouped filters and centralized lubrication points for boom, arm and bucket, easily accessed from the ground level, these make daily maintenance more efficiently and safely. All maintenance information can be displayed and reminded from the monitor for the operator.

## User friendly

The meticulously designed 8" TFT LCD color display is optimized for efficient control. All other Human Machine Interfaces, such as joysticks, panels and buttons, are ergonomically engineered to save time and efforts during operations.

## Robust undercarriage

The robust undercarriage, reinforced boom, arm and bucket, X-shape frame, and the adopting of specially processed wear resistant steel can protect the machine from hard rocks and debris, improve durability and increase uptime.



# Excellent Performance and Fuel Efficiency

## Power without compromise

The XE250U makes the handling of your tasks efficient and comfortable.

- The core of the main valve is upgraded to reduce internal pressure loss, making sure all engine power is utilized in the best possible way by delivering accurate maximum pumping in a smooth way. And the compound productivity is greatly improved as a result.
- The digging, lifting and traction are greatly increased by the precisely matched engine and hydraulic systems.
- The cost of ownership and pollution are reduced due to improved fuel efficiency.



## Power match technology

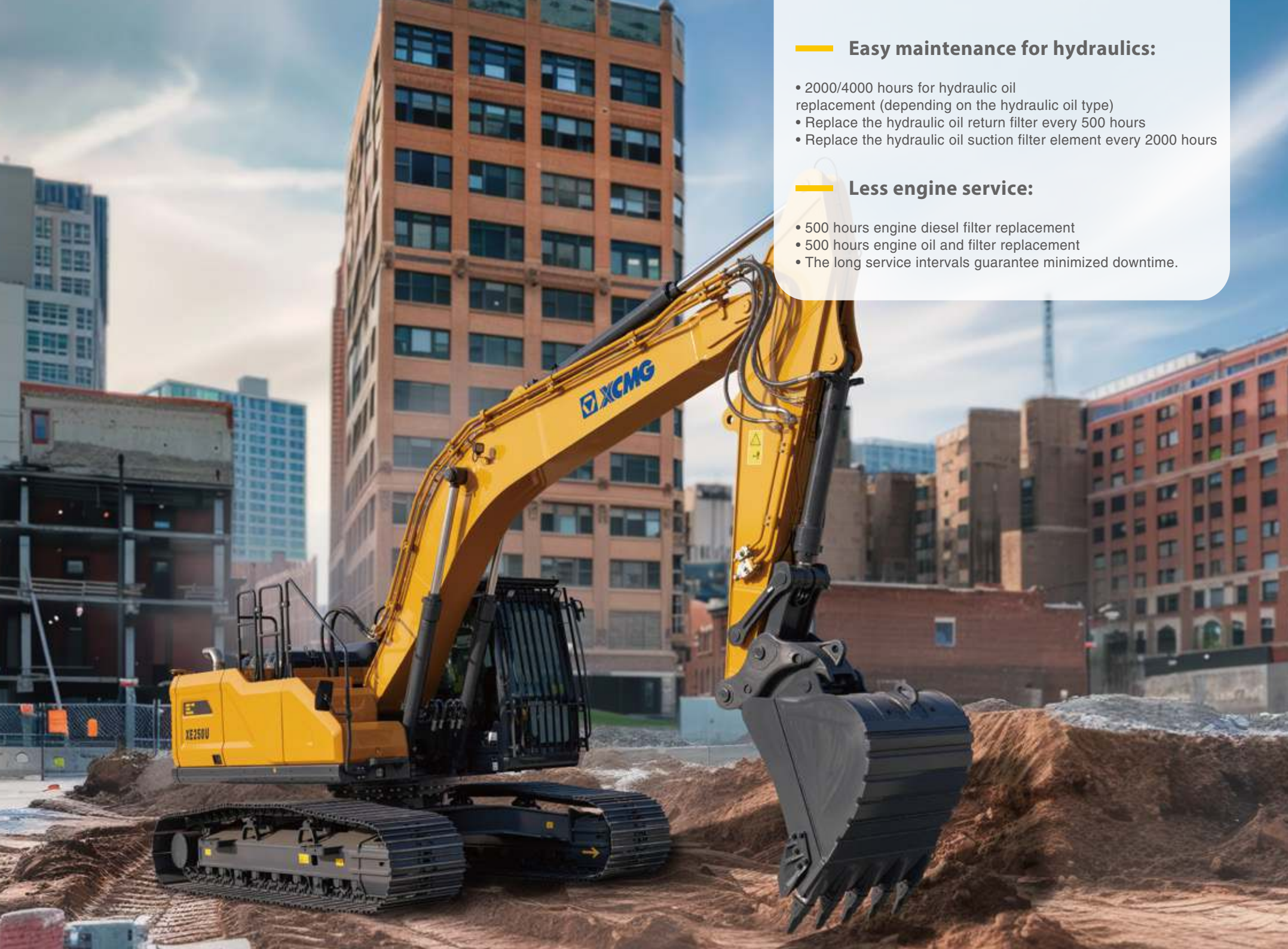
The engine is famous for its excellent fuel efficiency, reliability and long service intervals that it combines exceptional power output and high torque at low revs.

Selective Catalytic Reduction (SCR) technology combined with a Diesel Particulate Filter (DPF) ensures compliance with Stage V regulations. If the engine is the heart of the excavator, the XICS (XCMG Intelligent Control System) is its brain that provided a perfectly synchronized communication link between the engine's ECU (Electronic Control Unit) and the hydraulic system. The CANBUS (Controller Area Network) system enables a constant flow of information between the engine and the hydraulic system, so that power was delivered exactly as needed.



## Fuel efficiency technology

- Choosing between 3 power modes and 8 attachment modes guarantees optimum performance under all conditions.
- Electronic control of fuel consumption.
- The auto idle feature reduces the engine speed when the controls are inactive for a preset amount of time or when the safety lever is switched off. The engine will immediately return to its original selected speed when the operator touches any control panel.
- For optimum cooling, the fan speed is controlled by a viscous clutch that results in lower fan noise with better fuel efficiency.



### — Easy maintenance for hydraulics:

- 2000/4000 hours for hydraulic oil replacement (depending on the hydraulic oil type)
- Replace the hydraulic oil return filter every 500 hours
- Replace the hydraulic oil suction filter element every 2000 hours

### — Less engine service:

- 500 hours engine diesel filter replacement
- 500 hours engine oil and filter replacement
- The long service intervals guarantee minimized downtime.

# First Choice for Operator Comfort

The XE250U is designed to provide you with the best possible working conditions. The spacious and ergonomically designed cab allows the operator to work with ease and comfort. The pressurized cab is ISO-certified for safety concern. It offers a fully adjustable comfortable air-suspension heated seat, backrest, arm rests, several storage compartments, informative display, stereo and a clear all round view of the jobsite. The reduced noise and vibration with automatic air-conditioning/climate-control will make the workday more relaxing.



## **Ergonomic operator environment**

Both major and minor parts inside the XE250U cab are ergonomically upgraded to create a comfortable working environment with reduced vibration and noise. The variable speed cooling fan with viscous clutch makes sure that the fan is only engaged when it's needed. It reduces noise, fuel consumption and wear on the engine when compared to the classic fixed fan cooling. An air-suspension heated seat, adjustable armrests, left side sliding windows, detachable pedals, washable floor mat, intermittent multi-gear windshield wiper have been made standard for the sake of comfort.



## **Advanced Control technology**

With intelligent electronic control system to adjust the matching of engine speed and main pump; Kawasaki's proportional joystick delivers high precise and smooth control over all movements, and remotes default diagnosis to record operation data. The XE250U gives an adage for the operator in demanding operations.

## **Automatic climate control AC**

A powerful AC with six working modes pumps sufficient airflow through multi-vents system to keep the ambient temperature as desired even in harsh working conditions. A recirculated air function is also available to maintain refreshing air.

## **Standard Bluetooth radio and optional DAB radio**

Advanced infotainment system reduces operator's fatigue during routine operations.

## **Spacious storage**

The new cab has 5 storage compartments including a hot/cool box, a storage box, a file pocket, a sundries box and a cup holder.

## **Cab suspension**

Even at the roughest jobsites where you are working, the cab's upgraded silicone-filled viscous mount and suspension seat dampens and gets rid of the unwanted feedback from your operations.

## **Quick coupler control**

A standard quick coupler hydraulic system with pipelines guarantees that you can easily switch the attachments from the operator's seat to save time and efforts.

- 1 Operator's station
- 2 Ergonomic travel pedals
- 3 Heated air suspension seat
- 4 Power outlet
- 5 Throttle dial
- 6 All around AC and heating
- 7 (Bluetooth) AM/FM radio
- 8 Proportional hydraulic joystick
- 9 High quality speaker
- 10 Hammer control pedal
- 11 Engine stop switch
- 12 LCD color monitor
- 13 Safety lever
- 14 Cup holder



# Simple and Easy Control

## ► Machine interfaces

All machine interfaces including joysticks, keypad, panel and larger LCD monitor, are ergonomically designed for optimum control and high efficiency, which resulted in increased productivity and workplace wellbeing. The switches have been simplified. The climate control is now integrated into the keypad for easy adjustments.

- The new multi-function 8" TFT LCD monitor displays a comprehensive range of useful technical information, allowing you to check the machine's status and settings at a glance.
- Highly sensitive and less effort joysticks and highly convenient controls enable you to work smoothly and safely with minimum effort, in the meantime, to increase comfort and efficiency.
- The new adjustable proportional auxiliary functions support precise and smooth control of your attachments.

## Intelligent monitor

The upgraded 8" TFT monitor features a day and night display with full user access to the machine settings and maintenance data. Any abnormality is clearly displayed on the screen, which allows you to work safely and confidently with accurate overview under all conditions.

All important data can be directly monitored from the main screen.

## Dynamic power management

- Activating the power boost control system increases the digging force by 8 %.
- Auto-idling starts a few seconds after all controls are returned to the neutral position.



## 8 attachment modes and 3 power modes

Deliver the needed power according to your specific application while minimizing fuel consumption.

One click mode for quick selection and more convenient operation. Visual adjustment of pressure and flow parameters for more intelligent control.



1. Bluetooth
2. Energy saving icon
3. Travel speed (H/L)
4. Automatic idle
5. Power boost
6. Work mode
7. Mode and gear
8. Notification icon
9. Camera
10. Time and date
11. Urea level
12. Mute button
13. Main interface set
14. Menu
15. Coolant temperature
16. Fuel level
17. Fault code area
18. Fault description
19. Hour meter



# Reliability

## ► Designed for long-term robustness and safety

XCMG has developed one of the most rigorous strength and reliability testing procedures. The XCMG U-series features durability under the most extreme conditions and is therefore one of the most popular brands in its home market.

XCMG continually manufactures the most durable machines in order to reduce the cost of ownership. The robust upper frame, undercarriage structure, and front attachments show their real value in tough working conditions and guarantee higher productivity.

### Reinforced durability of the X-chassis

The X-shaped undercarriage has a higher durability than demanded on the jobsite, as proven through numerous tests including road tests and virtual simulation.

### Undercarriage durability with easy maintenance

- The chain is composed of sealed, self-lubricating links for long-term performance.
- Long life track tensioners and the idlers.
- Heavy-duty wear resistant cast sprockets.
- Durable lubricated track rollers.

### Strengthened boom and arm

FEA has been used to calculate the best load distribution throughout the machine's structure. For better protection of the base of the arm, reinforced bars have been added. The arm structure has been strengthened for the roughest conditions.

### Hi-grade (high-pressure) hoses

The U-series uses a new type of high-pressure hoses with improved heat and pressure resistance to increase the durability of the hoses.

### Reinforced pin, bush, and polymer shim

The new series improved the lubricity of the connecting parts between the machine and the attachments. The gaps with attachments are minimized by wear-resistant long-life pins, bushes, and polymer shims, which produce the highest performance with invariable durability.



# Maintenance

## ► Excellent serviceability

Our machines are designed for simple routine maintenance, while skilled XCMG technicians are available to provide extra support if needed. To get the most out of your machine, choose the package you need from a broad range of service agreements. Uptime, productivity and residual value are all maximized, making the XE250U an economical and rewarding choice.

## Simple and easy maintenance

- A large guard rail is installed along with anti-slip steps and plates, for safer and easier access to the upper structure
- The cab's air-conditioning filter is lockable and placed on the cab's side for easy access
- A battery cut-off switch to easily disconnect the battery for jobsite required safety measures.
- Shut-off valves on the pre-filter piping line and fuel tank drain piping make servicing easier and prevent pollution from leakage
- The engine parts can be reached easily via the top and side panels
- For extra accessibility and servicing convenience, all filters (engine oil filter, fuel pre-filter, fuel filter and hydraulic pilot filter) are located in the pump compartment.

## Pre-start monitoring system

The XE250U has a pre-start monitoring system that shows you coolant temperature, hydraulic oil temperature, engine oil pressure, fuel levels, and the AdBlue® level. It will also indicate fluid and filter intervals to keep the machine in top performing condition.

## Proactive maintenance solutions

- Extended warranty: XCMG covers the cost of the parts, travel and the labor.
- Routine maintenance: your dealer will support you with routine service at regular intervals.
- Genuine parts: The parts were manufactured and tested to ensure long lifetime of your machine.

## SCR tank and easy diesel filling

The ECU (Engine Control Unit) monitors the AdBlue® system with sensors and warns the operator of potential system malfunctions.

## Centralized lubrication greasing points

This makes make maintenance easier.







# Technical Specifications

## Engine

Designed to deliver superior performance and fuel efficiency, the Cummins T4F diesel engine fully meets the emissions regulations. To optimize machine performance, the engine uses high-pressure fuel injectors, a VGT™ turbocharger inter-cooler, and electronic engine controls. 4-cycle water-cooled, turbocharged, Selective Catalytic Reduction (SCR) with a Diesel Particulate Filter (DPF).

|                                                              |                                                                        |
|--------------------------------------------------------------|------------------------------------------------------------------------|
| Model                                                        | Cummins B6.7                                                           |
| No. of Cylinders                                             | 6                                                                      |
| Rated Power at 2000 rpm                                      |                                                                        |
| (ISO 14396/SAE J1995)                                        | 145 kW (194hp) @ 2000rpm                                               |
| Max. Torque at 1500 rpm                                      | 847 N·m (625 lbf·ft)                                                   |
| Idle Speed (Low-High)                                        | 700-1200 rpm                                                           |
| Approximate Engine Dry Weight<br>(with Standard Accessories) | 507 kg [1,118 lb]                                                      |
| Piston Displacement                                          | 6.7 L (1.8 gal)                                                        |
| Bore × Stroke                                                | 107mm [4.21 in] × 124 mm [4.88 in]                                     |
| Starter                                                      | 24 V × 7.8 kW (24 V × 10.5 hp)                                         |
| Batteries - Alternator                                       | 2 × 12 V, 120 Ah - 24 V, 70 A                                          |
| Air Filter                                                   | Donaldson the Latest PSD Air Filter<br>and Pre-filtered Dust Separator |

## Weight

|                | Shoe width (mm/in) | Operating weight (kg/lb) | Ground pressure (kPa/psi) |
|----------------|--------------------|--------------------------|---------------------------|
| Triple Grouser | 600/24"            | 26800/59084              | 53.2/7.7                  |
|                | 700/28"            | 27100/59745              | 46.1/6.7                  |
|                | 800 (Std)/31"      | 27300/60186              | 40.6/5.9                  |

## Hydraulic system

The XICS (XCMG intelligent Control System) is the brain of the excavator - minimizing fuel consumption and enabling the efficiency of the hydraulic system to be optimized for all working conditions. To harmonize the operation of the engine and the hydraulics, the XICS is connected to the engine's electronic control unit (ECU) via a data transfer link.

- The hydraulic system enables independent and combined operations – 2-speed travel offers either increased torque or high travel speed
- A cross-sensing pump system and an auto-deceleration system improve fuel efficiency.
- 8 attachment modes, 3 power modes - flow and pressure control of auxiliary hydraulic circuits from control panel
- Computer-controlled pump flow control

### > Pumps flow & system pressure

|                         |                                                        |
|-------------------------|--------------------------------------------------------|
| Main pumps, type:       | 2 × Variable displacement<br>tandem axial piston pumps |
| Maximum Flow Rate       | 2×234 L/min (2×61.8 gal/min)                           |
| Pilot Pump, Type:       | Gear pump                                              |
| Maximum Pilot Flow Rate | 20 L/min (2×5.3 gal/min)                               |
| Relief Valve Settings:  |                                                        |
| Pressure up             | 34.3/37 MPa (4975/5366 psi)                            |
| Travel                  | 34.3 MPa (4975 psi)                                    |
| Swing                   | 25 MPa (3626 psi)                                      |
| Pilot                   | 3.9 MPa (566 psi)                                      |

## Undercarriage

Extremely robust construction throughout - made of high-quality, durable materials, with all welded structures designed to limit stresses.

- Lifetime lubricated track rollers, idlers and sprockets fitted with floating seals
- Track shoes made of induction-hardened alloy with triple grouser
- Heat-treated connecting pins
- Hydraulic track adjuster with shock-absorbing tension mechanism

### > Number of rollers and track shoes per side

|                                  |                 |
|----------------------------------|-----------------|
| Upper Rollers (Standard Shoe)    | 2               |
| Lower Rollers                    | 9               |
| Number of Links & Shoes per Side | 51              |
| Overall Track Length             | 4633 mm (15'2") |

## Cab

Optimal climate control is provided by the integrated air-conditioning and heating system. An automatically controlled fan supplies the pressurized and filtered cab air, which is distributed throughout the cab from multiple vents. The fully adjustable heated air suspension operator's seat includes a seat belt. The operator can adjust the ergonomic seat and joystick console separately according to his preferences.

### > Noise emission

|                            |           |
|----------------------------|-----------|
| Noise level LpA (IOS 6396) | 77 dB(A)  |
| Noise level LwA (IOS 6395) | 104 dB(A) |



# Technical Specifications

## Component weights

| Item                                     | Unit           | XE250U                | Remarks                |
|------------------------------------------|----------------|-----------------------|------------------------|
| Upper structure without front attachment | kg/lb          | 12350/27227           | With counterweight     |
| Lower structure assembly                 | kg/lb          | 9070/19996            | 800 mm/31" shoe        |
| Front assembly                           | kg/lb          | 4496/9912             | Without cylinder       |
| counterweight                            | kg/lb          | 5416/11940            | Standard counterweight |
| Boom                                     | mm/kg (ft/lb)  | 6000/1965 (19.7/4332) | Without bushing        |
| Arm                                      | mm/kg (ft/lb)  | 2964/950 (9.7/2094)   | Without bushing        |
| Bucket                                   | m³/kg (yd³/lb) | 1.2/1074 (1.57/2368)  | Without bushing        |

## Drive

An independent, high-torque axial piston motor through a planetary reduction gearbox drives each track. Two levers with foot pedals guarantee smooth travel with counter-rotation on demand. The track frame protects the travel motors with hydraulically released multi-disc brakes and planetary gears.

### > Speed & traction

|                         |                             |
|-------------------------|-----------------------------|
| Travel speed (low-high) | 3.3- 5.2 km/h (2.1/3.2 mph) |
| Maximum traction        | 220 kN (49458 lbf)          |
| Maximum gradeability    | 35°/70%                     |

## Buckets

| Bucket type | Capacity (m³/yd³) | Width (mm/in)    |                  | Weight (kg/lb) | Boom 6 m/19'8"  |
|-------------|-------------------|------------------|------------------|----------------|-----------------|
|             |                   | With sidecutters | W/o side cutters |                | Arm 2.96 m/9'9" |
| GP          | 1.5/1.96          | 1580/62"         | 1575/62"         | 1079/2379      | C               |
|             | 1.4/1.83          | 1584/62"         | 1486/59"         | 1066/2350      | C               |
|             | 1.3/1.7           | 1549/61"         | 1440/57"         | 1007/2220      | C               |
|             | 1.2/1.57          | 1459/57"         | 1350/53"         | 948.4/2091     | C               |
| HD          | 1.4/1.83          | 1474/58"         | 1474/58"         | 1208/2663      | B               |
|             | 1.3/1.7           | 1384/54"         | 1384/54"         | 1136/2504      | B               |
|             | 1.2/1.57          | 1409/55"         | 1328/52"         | 1074/2368      | B               |
|             | 1.1/1.44          | 1354/53"         | 1275/50"         | 1011/2229      | B               |
|             | 1/1.31            | 1254/49"         | 1175/46"         | 968/2134       | B               |
| SD          | 1.3/1.7           | 1394/55"         | 1394/55"         | 1130/2491      | A               |
|             | 1.2/1.57          | 1308/51"         | 1308/51"         | 1080/2381      | A               |
|             | 1.1/1.44          | 1210/48"         | 1210/48"         | 1030/2271      | A               |
|             | 0.9/1.18          | 1120/44"         | 1120/44"         | 934.3/2060     | A               |

## Hydraulic cylinders

High-strength steel piston rods and cylinder bodies. A shock-absorbing (cushion) mechanism fitted in all cylinders for shock-free operation and extended piston life.

| Cylinders | Quantity | Bore × rod diameter × stroke (mm/in) |
|-----------|----------|--------------------------------------|
| Boom      | 2        | 125 × 90 × 1390(4.9 × 3.5 × 54.7)    |
| Arm       | 1        | 140 × 100 × 1610(5.5×3.9×63.3)       |
| Bucket    | 1        | 130 × 90 × 1075(5.1×3.5×42.3)        |

## Swing mechanism

The swing mechanism uses an axial piston motor to drive a 2-stage planetary reduction gear for maximum torque in oil.

- Swing bearing: single-row, shear-type ball bearing with induction hardened internal gear
- Internal gear and pinion immersed in lubricant

### > Swing speed & torque

|                      |                       |
|----------------------|-----------------------|
| Maximum swing speed  | 10.6 rpm              |
| Maximum swing torque | 74 kN·m(54580 lbf·ft) |

### > Fluid capacities

|                           |                       |
|---------------------------|-----------------------|
| Fuel tank                 | 400 L (105.7 gal)     |
| Cooling system (radiator) | 26 L (6.9 gal)        |
| Urea(DEF) tank            | 48 L (12.7 gal)       |
| Hydraulic oil tank        | 150 L (39.6 gal)      |
| Engine oil                | 24 L (6.3 gal)        |
| Swing reducer             | 5.3 L (1.4 gal)       |
| Travel reducer            | 2 × 4.4 L (2×1.2 gal) |

**GP: General purpose;**

**HD: Heavy duty;**

**SD: Severe duty;**

A: Suitable for materials with a density less than or equal to 2100 kg/m³ (131.1 lb/ft³)

B: Suitable for materials with a density less than or equal to 1800 kg/m³ (112.37 lb/ft³)

C: Suitable for materials with a density less than or equal to 1500 kg/m³ (93.64 lb/ft³)

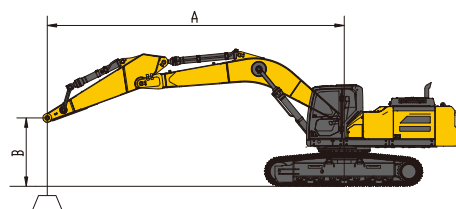
Based on ISO 10567 and SAE J296, arm length without quick-coupler. For reference only.

# Lifting Capacities

## XE250U

Standard undercarriage width: 3390 mm(11'1") • W/o bucket

| B             | A     | 1.5 m/5 ft                                                                        |                                                                                   | 3.0 m/10 ft                                                                       |                                                                                   | 4.5 m/15 ft                                                                       |                                                                                     | 6.0 m/20 ft                                                                         |                                                                                     | 7.5 m/25 ft                                                                         |                                                                                     | At Max.Reach                                                                        |                                                                                     |          |
|---------------|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
|               |       |  |  |  |  |  |  |  |  |  |  |  |  | Max.     |
| 7.5 m/25 ft   | kg/lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *5217/*11503                                                                        | *5217/*11503                                                                        |                                                                                     |                                                                                     | *5367/*11834                                                                        | *5367/*11834                                                                        | 6.6/21.7 |
| 6.0 m/20 ft   | kg/lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *5369/*11839                                                                        | *5369/*11839                                                                        | *5343/*11781                                                                        | 5008/11043                                                                          | *5368/*11836                                                                        | 4842/10677                                                                          | 7.7/25.3 |
| 4.5 m/15 ft   | kg/lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *7097/*15649                                                                      | *7097/*15649                                                                        | *6051/*13342                                                                        | *6051/*13342                                                                        | *5555/*12249                                                                        | 4926/10862                                                                          | *5466/*12053                                                                        | 4206/9274                                                                           | 8.3/27.2 |
| 3.0 m/10 ft   | kg/lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *9172/*20224                                                                      | *9172/*20224                                                                        | *7014/*15466                                                                        | 6534/14407                                                                          | *6011/*13254                                                                        | 4774/10527                                                                          | *5624/*12401                                                                        | 3881/8558                                                                           | 8.6/28.2 |
| 1.5 m/5 ft    | kg/lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *10956/*24158                                                                     | 9165/20209                                                                          | *7955/*17541                                                                        | 6225/13726                                                                          | *6504/*14341                                                                        | 4616/10178                                                                          | *5831/*12857                                                                        | 3760/8291                                                                           | 8.7/28.5 |
| Ground Line   | kg/lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *11800/*26019                                                                     | 8857/19530                                                                          | *8591/*18943                                                                        | 6013/13259                                                                          | *6861/*15129                                                                        | 4497/9916                                                                           | 6035/13307                                                                          | 3819/8421                                                                           | 8.5/27.9 |
| -1.5 m/-5 ft  | kg/lb |                                                                                   |                                                                                   | *10335/*22789                                                                     | *10335/*22789                                                                     | *11808/*26037                                                                     | 8781/19362                                                                          | *8768/*19333                                                                        | 5923/13060                                                                          | *6908/*15232                                                                        | 4449/9810                                                                           | *6376/*14059                                                                        | 4095/9029                                                                           | 8.0/26.2 |
| -3.0 m/-10 ft | kg/lb | *11915/*26273                                                                     | *11915/*26273                                                                     | *15534/*34252                                                                     | *15534/*34252                                                                     | *11089/*24451                                                                     | 8855/19525                                                                          | *8345/*18401                                                                        | 5952/13124                                                                          |                                                                                     |                                                                                     | *6695/*14762                                                                        | 4742/10456                                                                          | 7.2/23.6 |
| -4.5 m/-15 ft | kg/lb |                                                                                   |                                                                                   | *12805/*28235                                                                     | *12805/*28235                                                                     | *9350/*20617                                                                      | 9085/20032                                                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *6961/*15349                                                                        | 6334/13966                                                                          | 5.9/19.4 |



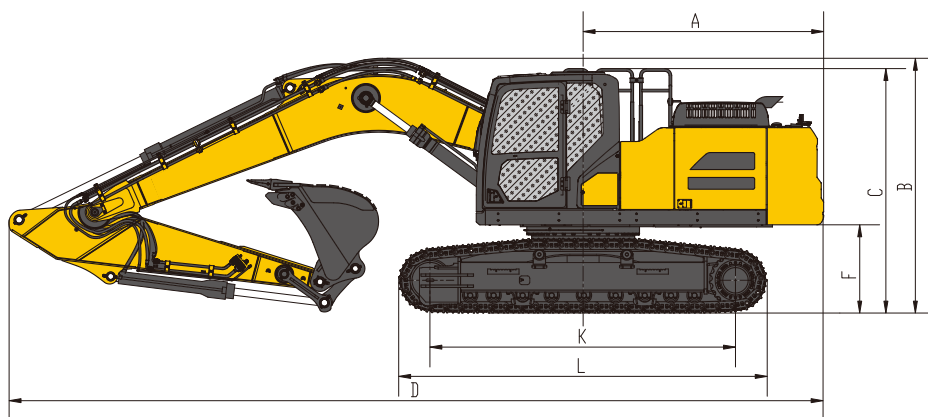
 : Rating over front  
 : Rating over side

A: Reach from swing centerline to bucket hook  
 B: Bucket hook height above/below ground  
 C: Lifting capacities in kilograms

- 1.\_The lifting capacity is based on the ISO10567 standard.
2. \* = The maximum lifting capacity is limited by the hydraulic capacity of the machine.
- 3.\_The lifting capacity does not exceed 87 % of the hydraulic capacity or 75 % of the tipping load with the machine on level and firm ground.
4. The operator should be familiar with the machines operating- and maintenance manual.  
 Local regulations concerning the safe operation of machinery must be followed at all times.
- 5.\_The lift diagrams only covers machines that are originally built by XCMG: without lifting chains and any other lifting equipment.
6. When the excavator is used to lift or handle materials, it must comply with local regulations and be equipped with the necessary hose burst valves and an overload warning device complying with EN474-5.

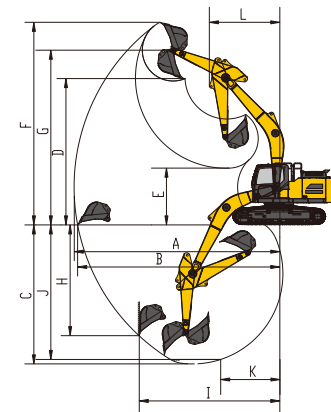
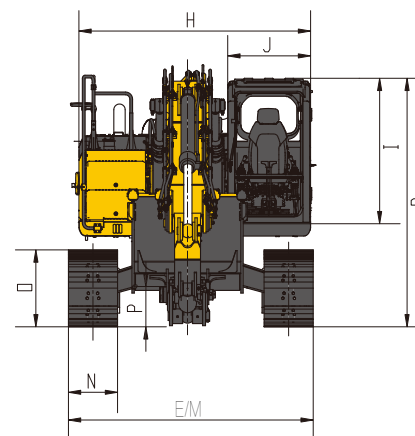


# **Technical Specifications**



## **Dimensions**

| XE250U                   |                             | mm/ft.in                |
|--------------------------|-----------------------------|-------------------------|
| Boom Length - mm/ft.in   |                             | 6000/19'8"              |
| Arm Length - mm/ft.in    |                             | 2 964/9'9"              |
| Bucket Capacity - m³/yd³ |                             | 1.2/1.57                |
| A                        | Tail swing radius           | 3023/9'11"              |
| B                        | Shipping height (boom)      | 3210/10'6"              |
| C                        | Shipping height (guardrail) | 3156/10'6"              |
| D                        | Shipping length             | 10240/33'7"             |
| E                        | Shipping width              | 3390/11'1"              |
| F                        | Counterweight clearance     | 1109/3'8"               |
| G                        | Height over cab             | 3036/9'12"              |
| H                        | House width                 | 2830/29'8"<br>9'3"/9'9" |
| I                        | Cab height above house      | 1778/5'10"              |
| J                        | Cab width                   | 1013/3'4"               |
| K                        | Track length on ground      | 3841/12'7"              |
| L                        | Track length                | 4633/15'2"              |
| M                        | Undercarriage width         | 3390/11'1"              |
| N                        | Shoe width std              | 800/31"                 |
| O                        | Track height                | 939/37"                 |
| P                        | Ground clearance            | 489/19"                 |



## **Working range**

| XE250U                   |                               | mm/ft.in    |
|--------------------------|-------------------------------|-------------|
| Boom Length - mm/ft.in   |                               | 6000/19'8"  |
| Arm Length - mm/ft.in    |                               | 2964/9'9"   |
| Bucket Capacity - m³/yd³ |                               | 1.2/1.57    |
| A                        | Max. digging reach            | 10269/33'8" |
| B                        | Max. digging reach (ground)   | 10091/33'1" |
| C                        | Max. digging depth            | 6953/22'10" |
| D                        | Max. loading height           | 7124/23'4"  |
| E                        | Min. loading height           | 2800/9'2"   |
| F                        | Max. digging height           | 10074/33'1" |
| G                        | Max. bucket pin height        | 8650/28'5"  |
| H                        | Max. vertical wall depth      | 5533/18'2"  |
| I                        | Max. radius vertical          | 7008/22'12" |
| J                        | Max. digging depth (8' level) | 6745/22'2"  |
| K                        | Min. radius 8'line            | 2986/9'10"  |
| L                        | Min. swing radius             | 3490/11'5"  |

## **Digging forces (ISO)**

| XE250U                                |  |                          |
|---------------------------------------|--|--------------------------|
| Boom Length - mm/ft.in                |  | 6000/19'8"               |
| Arm Length - mm/ft.in                 |  | 2964/9'9"                |
| Bucket Capacity - m³/yd³              |  | 1.2/1.57                 |
| Bucket<br>(Normal/Press. Up) - kN/lbf |  | 170/183.4<br>38217/41230 |
| Arm<br>(Normal/Press. Up) - kN/lbf    |  | 120/129<br>26977/29000   |

›Standard and Optional Equipment

Engine

|                                                          |   |
|----------------------------------------------------------|---|
| Urea tank AD Blue                                        | ● |
| Auto-preheating                                          | ● |
| Fuel-water separator with water level instruction sensor | ● |
| Fuel-water separator with heater (24 V)                  | ○ |
| Radial seal air cleaner                                  | ● |
| Air prefilter                                            | ● |
| The cooling assembly in 50°C (122°F) ambient temperature | ● |
| Dust screen for radiator                                 | ● |
| Fuel oil gauge                                           | ● |
| Fuel-water quickly release device                        | ● |
| Coolant heater (Diesel)                                  | ○ |
| Electronically controlled silicone oil clutch            | ● |
| Fuel filling pump                                        | ○ |
| Air pressure difference indicator                        | ● |
| Auto idle                                                | ● |

Cab & interior

|                                                                                     |   |
|-------------------------------------------------------------------------------------|---|
| Pressurized cab                                                                     | ● |
| Air suspension seat with heater                                                     | ● |
| Control box on left and right                                                       | ● |
| Rain visor (Not mounted when front upper guard exists)                              | ● |
| Front windshield divided by 70/30 ratio                                             | ● |
| Sliding upper door window                                                           | ● |
| Air conditioner with defroster [Automatic][Pressurized ]                            | ● |
| Color LCD display with warning,filter / liquid refill and working hours information | ● |
| Travel control pedal with detachable manual control lever                           | ● |
| Double stereo speaker                                                               | ● |
| Cup holder                                                                          | ● |
| Coat hook                                                                           | ● |
| Washable floor mat                                                                  | ● |
| Safety belt                                                                         | ● |
| High and low travel speed switch                                                    | ● |
| One-key boost                                                                       | ● |
| Sun visor                                                                           | ● |
| Skylight                                                                            | ● |
| Multi-gear windshield wiper with intermittent feature                               | ● |
| File packet                                                                         | ● |
| Emergency exit on rear window                                                       | ● |
| Hammer for emergency escape                                                         | ● |

Conterweight

|                               |   |
|-------------------------------|---|
| 5.4 t (11905 lb)counterweight | ● |
|-------------------------------|---|

Lubrication system

|                                       |   |
|---------------------------------------|---|
| Electric auto lubrication system      | ○ |
| Manual centralized lubricating system | ● |

Hydraulic system

|                                 |   |
|---------------------------------|---|
| Single or dual way pipeline     | ● |
| Quick coupler piping            | ● |
| Rotary attachment piping        | ● |
| Hydraulic oil ISO VG 46         | ● |
| Hydraulic oil ISO VG 32         | ○ |
| Hydraulic oil ISO VG 68         | ○ |
| Electric proportional joysticks | ● |
| Pressure monitor gauge          | ● |

Undercarriage

|                                                                                  |   |
|----------------------------------------------------------------------------------|---|
| Track guards for both sides                                                      | ● |
| 2×9 bottom rollers                                                               | ● |
| 2×2 carrier rollers                                                              | ● |
| Tow ring on the bottom frame                                                     | ● |
| Track with triple grouser shoes, 600 mm (24")                                    | ○ |
| Guard kits: Bottom sealing plate of undercarriage, sealing plate of travel motor | ● |
| Track with double grouser shoes, 600 mm (24")                                    | ○ |
| Track with double grouser shoes, 700 mm (28")                                    | ○ |
| Track with double grouser shoes, 800 mm (31")                                    | ○ |
| Track with triple grouser shoes, 700 mm (28")                                    | ○ |
| Track with triple grouser shoes, 800 mm (31")                                    | ● |

Boom, arm and bucket

|                                                     |   |
|-----------------------------------------------------|---|
| Boom-6.0 m (19'8")                                  | ● |
| Arm-2.96 m (9'9")                                   | ● |
| Reinforced bucket-1.2 m³ (1.57 yd³)/1 408 mm (4'7") | ● |
| Quick Coupler                                       | ○ |
| Thumb                                               | ○ |
| Breaking Hammer                                     | ○ |
| Scarifier                                           | ○ |
| Hydraulic shear                                     | ○ |
| Vibratory                                           | ○ |
| Orange peel grab                                    | ○ |
| Timber grab                                         | ○ |
| Grapple                                             | ○ |
| Vehicle dismantling shear                           | ○ |
| Straight breaking hammer                            | ○ |
| Scrap shear                                         | ○ |
| Compactor                                           | ○ |
| Crushing pliers                                     | ○ |

Electrical system

|                                         |   |
|-----------------------------------------|---|
| Battery (2×850 CCA)                     | ● |
| 70 A alternator                         | ● |
| 7.8kW starter motor                     | ● |
| USB interface (5 V)                     | ● |
| Emergency stop switch                   | ● |
| Rightview camera                        | ● |
| Rearview camera                         | ● |
| AM-FM radio with digital display        | ● |
| DAB bluetooth digital radio             | ○ |
| Travel buzzer with switch               | ● |
| Rotating beacon                         | ● |
| Two front working light on the cab(LED) | ● |
| One rear working light on the cab(LED)  | ● |
| Two working lights on the boom(LED)     | ● |
| 12 V Electric power interface           | ● |
| Interior light                          | ● |

Safety and guards

|                                                     |   |
|-----------------------------------------------------|---|
| Anti collision beam                                 | ○ |
| Lock for the cab door and each cabin                | ● |
| Warning horn                                        | ● |
| The quick coupler button with warning               | ● |
| Isolation plate between engine and pump chamber     | ● |
| Battery disconnect switch                           | ● |
| Overheating warning                                 | ● |
| Safety handrail and pedals                          | ● |
| Anti-skid plate/ anti-skid paste                    | ● |
| Hydraulic safety locking lever                      | ● |
| Left and right rearview mirrors                     | ● |
| Counterweight rearview mirror                       | ○ |
| Anti-burst valve on the boom                        | ○ |
| Anti-burst valve on the arm                         | ○ |
| Roll over protective structure                      | ● |
| Operator protective guard                           | ○ |
| Top protective net                                  | ○ |
| Protective net on upper front windshield(Bar type)  | ○ |
| Protective net on lower front windshield(Bar type)  | ○ |
| Protective net on lower front windshield(Grid type) | ● |

Standard: ●

Optional: ○

- Some of these standard or optional equipment may not be available for certain markets.
- Pictures may include attachments and optional equipment that are not available in your area.
- Materials and specifications are subjected to change without advance notice.
- Please contact your local XCMG dealer for more information on availability or to customise your machine to suit your applications requirements.

# Optimum Services , XCMG Guaranteed



XCMG approved  
attachments



Genuine parts



Financial  
solutions



Maintenance  
contract



## Professional Integrated Complete Solutions

XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery. What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all customers.

## Full Range of Services Ready for you

In order to respond to your needs as fast as possible, XCMG experts are on their way to your job site from one of our facilities near you. Full range of services are available in order to reduce your total cost of ownership and increase your revenue.

The available attachments include but not limited to the following:

Hydraulic  
quick coupler



Hydraulic  
thumb



hammer



Timber grab



Hydraulic  
shear



scrap shear



orange  
peel grab





