

# Hydraulic Excavators XE155U



Rated Power: 90 kW (121 hp)  
Operating Weight: 15900 kg (35053 lb)  
Bucket Capacity: 0.65 m<sup>3</sup> (0.85 yd<sup>3</sup>)

XCMG Canada Ltd.  
ADD: 8 Boulder Blvd, Stony Plain, AB T7Z1V7  
EMAIL: [Info@xcmgca.com](mailto:Info@xcmgca.com)  
TEL: 780-784-8966  
WEB: [www.xcmgca.com](http://www.xcmgca.com)  
Specifications and designs are subject to change without notice.  
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 engineered XE155U builds on its reputation as one of the most sold and appreciated mid size excavators of XCMG. All systems have been designed on the basis of harmonious matching of sufficient power, hydraulic flow, versatility, low fuel consumption and to serve various applicaitons in utility, landscaping, construction, etc.

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 XE155U. 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 Cummins Tier 4 Final compliant engine, Kawasaki-KPM made main pump, valve, swing motor, and reliable travel motors, coupled with reinforced boom, arm, structural parts, and enlarged cylinders makes the XE155U 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 0.32-0.7 m<sup>3</sup>(0.42-0.92 yd<sup>3</sup>) Earthwork Bucket, 0.52-0.7 m<sup>3</sup> (0.68-0.92 yd<sup>3</sup>) Strengthened Bucket, and 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>) Rock Bucket plus increased digging force give you more options in different jobsites. In addition with a wide range of the attachments, the machine has more to offer.

## Safety solutions

Every XCMG excavator engineer puts efforts in the design with safety in mind. The machine has standard features of a ROPS and OPG certified cab, rear view and right view cameras, emergency stop, guard rails, and 3 LED working lights. Further, anti burst valves are utilized in the boom and arm. Both the operator and people around the machine are well protected with these features.

## Optional features give you more

The XE155U comes with every feature that the operator would expect in the industry. Additionally, it can always surprise you with multiple optional equipments such as various buckets, hydraulic thumb, timber grab, hydraulic shear, scrap shear, vibratory, etc.

## Easy-to-use attachments

The self-developed multi-functional machine and attachment intelligent control system supports operations such as crushing, demolition, compacting, milling, hoisting and many more. The system provides the operator an easy way to operate when dealing with the most demanding and complicated tasks.

## 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 is standard. The centralized control buttons and upgraded human machine interface let the operator to put less effort during the operations.

## Precise control

The 8" TFT LCD display has 8 attachment modes and 3 power modes and proportional joysticks with roller switch. The operator can finish demanding tasks with confidence and efficiency.

## Powerful engine

The reliable Cummins B4.5 T4F engine delivers more power and torque by 10 % while reducing emissions and fuel consumption. This was achieved by adopting high pressure common-rail electronic injection system and other advanced technologies including DPF(Diesel Particulate Filter), DOC(Diesel Oxidation Catalyst), and SCR(Selective Catalytic Reduction), which achieved less emissions of nitrogen oxide and other harmful exhaust.

## Easy maintenance

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

## Robust undercarriage

The X-shape undercarriage enables even weight distribution, increasing stability, durability and prevents damage from rock and debris. The rubber track pads are available for operations in paved road constructions and other jobs that require extra care for the ground.





# Excellent Performance and Fuel Economy

## Power without compromise

The XE155U makes handling your task efficient and comfortable.

The optimized Kawasaki-KPM hydraulic system makes sure that all that engine power is put into use in the best possible way by delivering accurate maximum pump in a smooth way.

All that power has reliably increased the digging power, lifting capacities and traction force. Greater fuel efficiency means you can keep costs down and reduce environmental impacts.



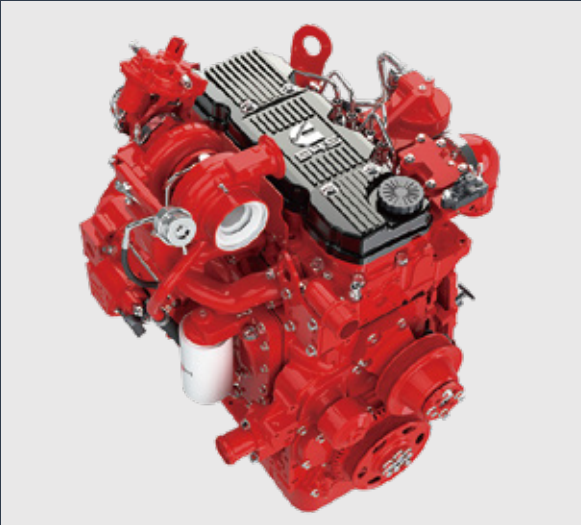
## — POWER MATCH TECHNOLOGY

The XE155U is equipped with a Cummins B4.5 engine. 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.

The engine is fitted with high pressure common rail fuel system, combined with cooled exhaust gas recirculation (EGR) and Cummins VGT turbocharger, which increases the density of the air to enable the engine to produce more power.

Selective Catalytic Reduction (SCR) technology combined with a Diesel Oxidation Catalyst (DOC) ensures compliance with Tier 4 Final regulations. There is no need for a particulate filter and regeneration.

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. A CAN (Controller Area Network) system enables a constant flow of information between engine and hydraulic system, so that power is delivered exactly as needed.



## — FUEL ECONOMY TECHNOLOGY

- Choice between 3 power modes and 8 working modes guarantees optimum performance in all conditions.
- Electronic control of fuel consumption optimizes efficiency.
- Auto-idle function can easily be enabled after the machine had been idling for a specified time, which reduce unnecessary fuel consumption, have less emissions and lower operating cost.



A yellow XCMG XE155U crawler excavator is shown in a construction field. The excavator has a long boom with the XCMG logo, a large bucket, and a cab with a roll-over protection structure. The model name 'XE155U' is visible on the side of the cab. The background shows a clear blue sky with some clouds and a distant town.

### — Easy hydraulic maintenance:

- 2000/4000 hours of hydraulic oil replacement (depending to hydraulic oil model)
- Replace hydraulic oil return filter after 1000 hours
- Replacement of hydraulic oil suction filter element in 2000 hours

### — Less engine service:

- 500 hours engine diesel filter replacement
- 500 hours engine oil and filter replacement
- The long service interval guarantees limited down-time.



# First Choice for Comfort

The XE155U is designed to provide you with the best possible working conditions. The spacious cab allows the operator to have comfortable environment. The pressurized cab is ISO-certified for your safety. It offers a fully adjustable comfortable air-suspension heated seat, several storage compartments for your lunchbox and a clear all-round view of your jobsite. Reduced noise and vibration levels with automatic air-conditioning/climate-control will make your workday easy and comfortable.



## Ergonomic operator environment

XCMG XE155U is powered by the industry leading engine that saves on fuel and meets the Tier 4 F emission regulations.

An air-suspension heated seat is a standard feature. By reducing the noise and cab vibration, and improving operator comfort, XCMG always put the customer first.



## Advanced control technology

With ergonomic, advanced and simple-to-operate, Kawasaki's proportional joystick delivers ultra-precise and smooth control over all movements. The orientation of the roller and the buttons are adjustable.



## Air conditioning with automatic climate control

A choice from 5 different working modes to regulate airflow adjusts the systems air temperature and fan speed to maintain the optimal desired temperature. Recirculated air function is also available.



## Standard bluetooth radio and optional DAB radio

The upgraded infotainment system together with the double stereo speaker can keep the operator entertaining during workdays.

## Storage space

The new cab has 4 storage compartments including a hot/cool box, a storage box, a document bag, and a cup holder.

## Cab suspension

The cab's improved new suspension system dampens vibrations and smoothens out the roughest applications you are working at.

## Quick coupler control

A standard quick coupler hydraulic system with pipelines is to exchange your attachment easily from the operator's seat. It facilitates the most common systems.



- 1 Operator's station
- 2 Ergonomic travel pedals
- 3 Heated air suspension seat
- 4 All around AC and heating
- 5 Proportional hydraulic joystick
- 6 High quality speakers
- 7 Hammer control pedal
- 8 Engine stop switch
- 9 Color LCD monitor
- 10 Safety lever



# Simple and Easy Control

## ► Machine interface

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 newly adjustable proportional auxiliary functions mean precise and smooth control of your attachments.

## Intelligent monitor

The upgraded 8" TFT monitor features a day and night display and offers the user full 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 seen from the main screen.

## Dynamic power management

- Activating the power boost control system increases the digging force by 8.8 %
- Auto-idling starts 4 seconds after all controls are returned to the neutral position.

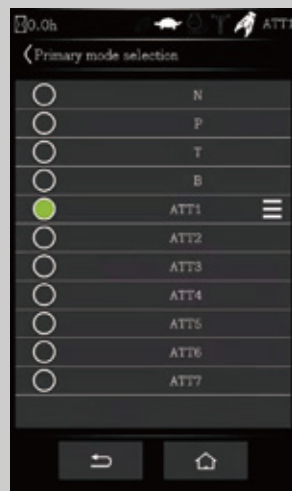




## 8 attachment modes and 3 power modes

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





## ► Designed for long-term robustness and safety

XCMG has developed one of the most rigorous strength & reliability testing procedures, XCMG U-series feature durability in the most extreme conditions and is therefore also one of the most popular brands in its home market. XCMG continually manufactures the most durable machines to reduce costs of ownership. The robust upper frame, undercarriage structure and the front attachments show the real value in tough working environments and produce higher productivity.

### Reinforced durability of X-chassis

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

### Undercarriage durability

- The chain is composed of sealed, self-lubricating links for long-term dependability.
- The track spring and idler are developed for long-lasting performance and easy maintenance.
- Cast steel heavy-duty sprockets guarantee the highest resistance.
- Track rollers lubricated for long-term durability.

### Strengthened boom and arm

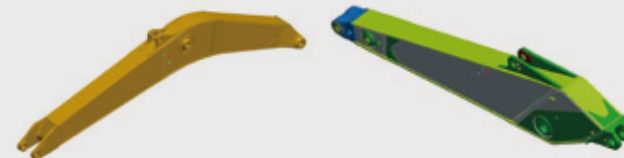
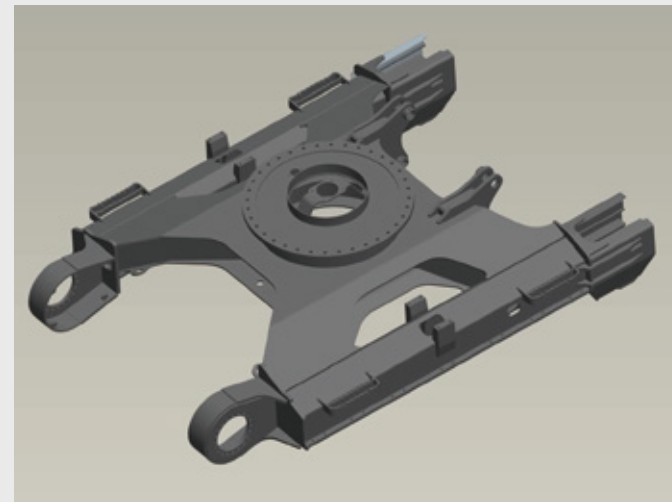
FEA was used to calculate the best load distribution throughout the boom structure. To better protect the base of the arm, reinforced bars have been added, and the arm center and end structure have been strengthened.

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

The U-series uses high-pressure hoses with improved heat and pressure resistance, greatly increasing the durability of the equipment.

### Reinforced pin, bush and polymer shim

The new series improves lubricity of connecting parts between the equipment and the attachments. 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 you need. 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 XE155U an economical and rewarding choice.

## Simple and easy maintenance

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

## Pre-start monitoring system

The XE155U has a pre-start monitoring system that shows you coolant temperature, hydraulic oil temperature, engine oil pressure, fuel levels and AdBlue® level. It will also indicate fluid and filter intervals to keep the machine at 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 & easy diesel filling

Connected to the ECU, sensors in tank detects low level of AdBlue® & potential system malfunctions.

Fuel filler pump, an on-board pump system, lets you fill your fuel tank quickly from an external source (like a fuel drum) – the system stops automatically when the fuel tank is full or the fuel source is empty.

## Centralized lubrication greasing points

These 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, VGT™ turbocharger inter-cooler and electronic engine controls. 4-Cycle Water-Cooled, turbocharged, Exhaust Gas Recirculation (EGR) and Selective Catalytic Reduction (SCR) with a Diesel Particulate Filter (DPF).

|                         |                                                                     |
|-------------------------|---------------------------------------------------------------------|
| Model                   | Cummins B4.5                                                        |
| No. of cylinders        | 4                                                                   |
| Rated power at 2200 rpm |                                                                     |
| (SAE J1995)             | 90 kW (121 hp) at 2200 rpm                                          |
| (SAE J1349)             | —                                                                   |
| (ISO 9249)              | —                                                                   |
| Max. torque at 1500 rpm | 500 N·m (369 lb.ft)                                                 |
| Idle (low - high)       | 700-1200 rpm                                                        |
| Piston displacement     | 4.5 L (1.2 gal)                                                     |
| Bore × stroke           | 107 mm × 124 mm (4" × 5")                                           |
| Starter                 | 24 V × 5 kW (24 V × 6 hp)                                           |
| Batteries - Alternator  | 24 V, 70 A                                                          |
| Air filter              | Donaldson the latest PSD air filter and pre-filtered dust separator |

## Weight

|                | Shoe width (mm/in.) | Operating weight (kg/lb) | Ground pressure (kPa/psi) |
|----------------|---------------------|--------------------------|---------------------------|
| Triple grouser | 600 (Std)/24"       | 15900/35053              | 40.97/5.9                 |
|                | 500/20"             | 15700/34612              | 48.54/7.0                 |
|                | 700/28"             | 16100/35494              | 35.56/5.2                 |

## Hydraulic system

The XICS (XCMG Intelligent Control System) is the brain of the excavator, which minimizes the fuel consumption and enables the hydraulic system optimized and efficient 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 or combined operations - 2 travel speeds offer either increased torque or high speed
- 8 work modes, 3 power modes - Flow and pressure control of auxiliary hydraulic circuits from control panel
- Computer-aided pump flow control

### › Pumps flow & system pressure

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| Main pumps, type:        | 2 × variable displacement tandem axial piston pumps |
| Maximum flow at 1800 rpm | 2×120+53 L/min (2×31.7+11.7 gal/min)                |
| Pilot pump, type:        | Gear pump                                           |
| Maximum flow at 1800 rpm | 18 L/min (4.8 gal/min)                              |
| Relief valve settings:   |                                                     |
| Pressure up              | 350/380 kgf/cm <sup>2</sup> (4978/5405 psi)         |
| Travel                   | 350 kgf/cm <sup>2</sup> (4978 psi)                  |
| Swing                    | 255 kgf/cm <sup>2</sup> (3627 psi)                  |
| Pilot                    | 40 kgf/cm <sup>2</sup> (569 psi)                    |

## Undercarriage

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

- 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)    | 1             |
| Lower rollers                    | 7             |
| Number of links & shoes per side | 45            |
| Overall track length             | 4658 mm (12') |

## Cab

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

Note – Declared single-number noise emission values are the sum of measured values and the associated uncertainty, and they represent upper boundaries of the range of values which is likely to occur in measurements.

### › Noise emission

|                           |           |
|---------------------------|-----------|
| Noise level LpA(IOS 6396) | 71 dB(A)  |
| Noise level LwA(IOS 6395) | 101 dB(A) |





# Technical Specifications

## Component weights

| Item                          | Unit          | XE155U                | Remarks                 |
|-------------------------------|---------------|-----------------------|-------------------------|
| Upper structure without front | kg/lb         | 8060 (17769)          | With counterweight      |
| Lower structure assembly      | kg/lb         | 5140 (11332)          | 600 mm/24" shoe shoe    |
| Front assembly                | kg/lb         | 2600 (5732)           | Without cylinder        |
| Counterweight                 | kg/lb         | 2900 (6393)           | Standard counterweight: |
| Boom                          | mm/kg (ft/lb) | 4600/896 (15'1"/1975) | including bushing       |
| Arm                           | mm/kg (ft/lb) | 2520/457 (8'3"/1008)  | including bushing       |
|                               |               | 3010/539 (9'11"/1188) |                         |

## Drive

Each track is driven by an independent, high-torque axial piston motor through a planetary reduction gearbox. Two levers / foot pedals guarantee smooth travel with counter-rotation on demand. The track frame protects the travel motor, brake and planetary gears. The multi-disc track brakes are spring-applied and hydraulic released.

### > Speed & traction

|                           |                            |
|---------------------------|----------------------------|
| Travel speed (low - high) | 2.9-4.7 km/h (1.8-2.9 mph) |
| Maximum traction          | 114 kN (25628 lbf)         |
| Maximum gradeability      | 35 ° / 70 %                |

## Buckets

| Bucket type | Capacity (m³/yd³)<br>SAE | Width (mm/in.)    |                  | Weight<br>(kg/lb) | Boom 4.6 m/15'1" |                 |
|-------------|--------------------------|-------------------|------------------|-------------------|------------------|-----------------|
|             |                          | With side cutters | W/o side cutters |                   | Arm 2.52 m/8'3"  | Arm 3.0 m/9'11" |
|             |                          |                   |                  |                   | Shoe 600 mm/24"  | Shoe 600 mm/24" |
| GP          | 0.32/0.42                | 600/24            | 600/24           | 376/829           | A                | A               |
|             | 0.4/0.52                 | 880/35            | 822/35           | 430/948           | A                | A               |
|             | 0.6/0.78                 | 1096.9/43         | 1040.2/43        | 501/1105          | B                | C               |
|             | 0.7/0.92                 | 1239/49           | 1182.2/49        | 539/1188          | C                | -               |
| HD          | 0.52/0.68                | 1012/40           | 1012/40          | 497/1096          | A                | B               |
|             | 0.55/0.72                | 1040/41           | 1040/41          | 515/1135          | A                | B               |
|             | 0.6/0.78                 | 1112.4/44         | 1112.4/44        | 528/1164          | B                | C               |
|             | 0.65/0.85                | 1160/46           | 1160/46          | 538/1186          | B                | C               |
|             | 0.7/0.92                 | 1258.4/50         | 1258.4/50        | 569/1254          | C                | -               |
| SD          | 0.52/0.68                | 930/37            | 930/37           | 513/1131          | A                | B               |

## Swing mechanism

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

- 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  | 11.3 rpm               |
| Maximum swing torque | 38 kN·m (28,027 ft·lb) |

### > Fluid capacities

|                           |                     |
|---------------------------|---------------------|
| Fuel tank                 | 250 L (66 gal)      |
| Cooling system (radiator) | 21 L (5.5 gal)      |
| Urea (def) tank           | 25 L (6.6 gal)      |
| Hydraulic oil tank        | 95 L (25.1 gal)     |
| Engine oil                | 11 L (2.9 gal)      |
| Swing drive               | 1.8 L (0.5 gal)     |
| Travel device             | 2x2.1 L (2x0.6 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)

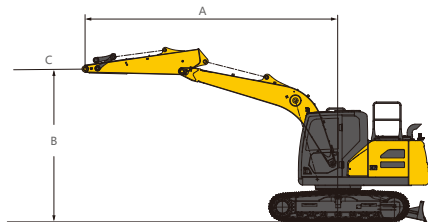
Based on ISO 10567 and SAE J296, arm length without quick-coupler. For reference only.

# Lifting Capacities

## XE155U

— Standard arm: 2520 mm(8.3 ft) • shoe: 600 mm(2 ft) • without bucket

| A              |       | 1.5 m (4.9 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.5 m (14.8 ft)                                                                   |                                                                                   | 6.0 m (19.7 ft)                                                                     |                                                                                     | At Max.Reach                                                                        |                                                                                     |                |
|----------------|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
| B              |       |  |  |  |  |  |  |  |  |  |  | Max.           |
| 6 m/19.7 ft    | kg/lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *3263/*7194                                                                       | 3468/7647                                                                         |                                                                                     |                                                                                     | *3070/*6769                                                                         | 2 570/5,667                                                                         | 5.3 m/17.39 ft |
| 4.5 m/14.8 ft  | kg/lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *3466/*7642                                                                       | 3377/7446                                                                         | 3272/7215                                                                           | 2155/4752                                                                           | 2978/6566                                                                           | 1958/4317                                                                           | 6.3 m/20.67 ft |
| 3 m/9.8 ft     | kg/lb |                                                                                   |                                                                                   | *5549/*12236                                                                      | 5867/12937                                                                        | *4256/*9384                                                                       | 3206/7069                                                                         | 3212/7082                                                                           | 2100/4631                                                                           | 2598/5729                                                                           | 1698/3744                                                                           | 6.8 m/22.31 ft |
| 1.5 m/4.9 ft   | kg/lb |                                                                                   |                                                                                   | *5076/*11193                                                                      | 5264/11607                                                                        | 4787/10555                                                                        | 2995/6604                                                                         | 3117/6873                                                                           | 2013/4439                                                                           | 2511/5537                                                                           | 1642/3621                                                                           | 7.0 m/22.97 ft |
| Ground Line    | kg/lb |                                                                                   |                                                                                   | *7704/*16987                                                                      | 4985/10992                                                                        | 4608/10161                                                                        | 2839/6260                                                                         | 3035/6692                                                                           | 1939/4275                                                                           | 2510/5535                                                                           | 1618/3568                                                                           | 6.8 m/22.31 ft |
| -1.5 m/-4.9 ft | kg/lb | *5586/*12317                                                                      | *5586/*12318                                                                      | 9107/20081                                                                        | 4993/11010                                                                        | 4561/10057                                                                        | 2799/6172                                                                         | 3026/6672                                                                           | 1931/4258                                                                           | 2784/6139                                                                           | 1782/3929                                                                           | 6.3 m/20.67 ft |
| -3 m/-9.8 ft   | kg/lb | *9858/*21737                                                                      | *9858/*21737                                                                      | *7322/*16144                                                                      | 5021/11071                                                                        | 4570/10077                                                                        | 2806/6187                                                                         |                                                                                     |                                                                                     | 3552/7832                                                                           | 2245/4950                                                                           | 5.3 m/17.39 ft |



 : Over front  
 : Over side or 360°

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

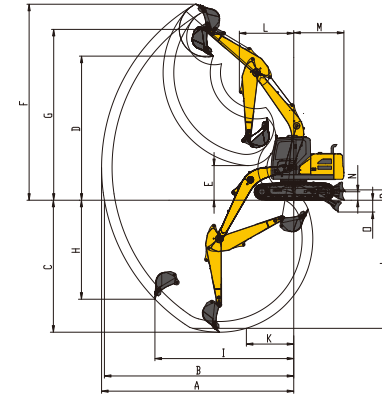
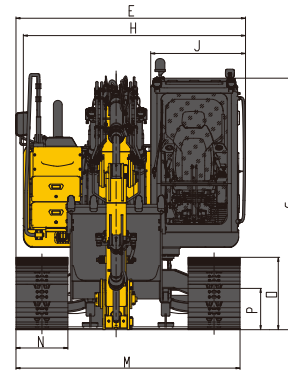
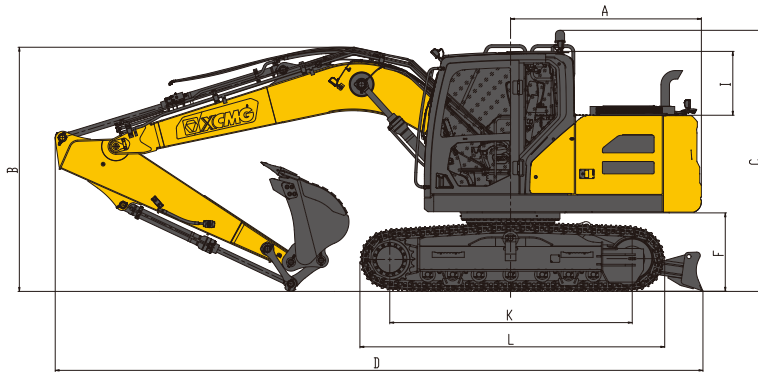
1. The lifting capacity is based on the ISO10567 standard.
2. \* = The maximum lifting capacity is limited by the hydraulic capacity of the machine.
3. The lifting capacity does not exceed 87% of the hydraulic capacity or 75% of the tipping load with the machine on level and firm ground.
4. The operator 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.







# Technical Specifications



## Dimensions

| XE155U                   |                         | mm/ft      |            |
|--------------------------|-------------------------|------------|------------|
| Boom length - mm/ft      |                         | 4600/15'1" |            |
| Arm length - mm/ft       |                         | 2520/8'3"  | 3010/9'11" |
| Bucket capacity - m³/yd³ |                         | 0.65/0.85  | 0.65/0.85  |
| A                        | Tail swing radius       | 2290/7'6"  | 2290/7'6"  |
| B                        | Shipping height (boom)  | 2930/9'7"  | 2950/9'8"  |
| C                        | Shipping height (Cab)   | 3133/10'3" | 3133/10'3" |
| D                        | Shipping length         | 7774/25'6" | 7788/25'7" |
| E                        | Shipping width          | 2653/8'8"  | 2653/8'8"  |
| F                        | Counterweight clearance | 940/37"    | 940/37"    |
| G                        | Height over cab         | 2907/9'6"  | 2907/9'6"  |
| H                        | House width             | 2568/8'5"  | 2568/8'5"  |
| I                        | Cab height above house  | 766/30"    | 766/30"    |
| J                        | Cab width               | 1096/3'7"  | 1096/3'7"  |
| K                        | Tumbler distance        | 2910/9'7"  | 2910/9'7"  |
| L                        | Track length            | 3658/12'   | 3658/12'   |
| M                        | Undercarriage width     | 2590/8'6"  | 2590/8'6"  |
| N                        | Shoe width std.         | 600/24"    | 600/24"    |
| O                        | Track height            | 836/33"    | 836/33"    |
| P                        | Ground clearance        | 477/19"    | 477/19"    |

## Digging forces (ISO)

| XE155U                            |  | mm/ft                |                      |
|-----------------------------------|--|----------------------|----------------------|
| Boom length - mm/ft               |  | 4600/15'1"           |                      |
| Arm length - mm/ft                |  | 2520/8'3"            | 3010/9'11"           |
| Bucket capacity - m³/yd³          |  | 0.65/0.85            | 0.65/0.85            |
| Bucket(Normal/Press. Up) - kN/lbf |  | 99/107 (22256/24055) | 99/106 (22256/23830) |
| Arm(Normal/Press. Up) - kN/lbf    |  | 71/76 (15961/17085)  | 62/67 (13938/15062)  |

## Working range

| XE155U                   |                              | mm/ft      |             |
|--------------------------|------------------------------|------------|-------------|
| Boom length - mm/ft      |                              | 4600/15'1" |             |
| Arm length - mm/ft       |                              | 2520/8'3"  | 3010/9'11"  |
| Bucket capacity - m³/yd³ |                              | 0.65/0.85  | 0.65/0.85   |
| A                        | Max. digging reach           | 8290/27'2" | 8770/28'9"  |
| B                        | Max. digging reach (ground)  | 8155/26'9" | 8640/28'4"  |
| C                        | Max. digging depth           | 5535/18'2" | 6025/19'9"  |
| D                        | Max. loading height          | 6185/20'4" | 6575/21'7"  |
| E                        | Min. loading height          | 2095/6'10" | 2090/6'10"  |
| F                        | Max. digging height          | 8630/28'4" | 8945/29'4"  |
| G                        | Max. bucket pin height       | 7440/24'5" | 7800/25'7"  |
| H                        | Max. vertical wall depth     | 4580/15'   | 4520/14'10" |
| I                        | Max. radius vertical         | 5577/18'4" | 6335/20'9"  |
| J                        | Max. digging depth (8'level) | 5285/17'4" | 5845/19'2"  |
| K                        | Min. radius 8'line           | 2188/7'2"  | 2165/7'1"   |
| L                        | Min. swing radius            | 2475/8'1"  | 2485/8'2"   |
| M                        | Real swing radius            | 2290/7'6"  | 2290/7'6"   |
| N                        | Max. Blade height            | 383/15"    | 383/15"     |
| O                        | Max. Blade depth             | 523/21"    | 523/21"     |
| P                        | Blade height                 | 573/23"    | 573/23"     |

## › 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)                   | ○ |
| Axial seal air filter                                    | ● |
| Air prefilter                                            | ● |
| The cooling assembly in 50°C (122°F) ambient temperature | ● |
| Dust screen for radiator                                 | ● |
| Fuel marker                                              | ● |
| Fuel-water quickly release device                        | ● |
| Coolant heater (Diesel)                                  | ○ |
| Fuel filling pump(50 L/min)                              | ○ |
| Breather valve for fuel                                  | ● |
| Air pressure difference indicator                        | ● |
| Auto idle                                                | ● |

### Electrical system

|                                         |   |
|-----------------------------------------|---|
| Battery (2×750 CCA)                     | ● |
| 70 A alternator                         | ● |
| 2.9 kW starter motor                    | ● |
| USB interface(5 V)                      | ● |
| Emergency stop switch                   | ● |
| Rightview camera                        | ● |
| Rearview camera                         | ● |
| 270 °full image                         | ○ |
| AM-FM radio with bluetooth              | ● |
| DAB 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           | ● |
| Top light                               | ● |

### Undercarriage

|                                                                                  |   |
|----------------------------------------------------------------------------------|---|
| Track guards for both sides                                                      | ● |
| 2×45rail joints,2×7bottom rollers                                                | ● |
| 2×1carrier rollers                                                               | ● |
| Tow ring on the bottom frame                                                     | ● |
| Tie hole for transport                                                           | ● |
| Track with triple grouser shoes, 600 mm (24")                                    | ● |
| Guard kits: Bottom sealing plate of undercarriage, sealing plate of travel motor | ● |
| Blade                                                                            | ● |
| Track with triple grouser shoes, 500 mm (20")                                    | ○ |
| Track with triple grouser shoes, 700 mm (28")                                    | ○ |
| Rubber track block                                                               | ○ |

### Hydraulic system

|                                                                     |   |
|---------------------------------------------------------------------|---|
| Auxiliary hydraulic valve with single or dual way pipeline          | ● |
| Auxiliary hydraulic valve with dual way pipeline                    | ● |
| Single or dual way hydraulic pipeline for breaking hammer and thumb | ● |
| Dual way hydraulic pipeline for rotation of shell bucket            | ● |
| Oil circuit filter element for hydraulic breaking hammer            | ● |
| Hydraulic quick coupler piping                                      | ● |
| Steering block for hydraulic quick pipeline                         | ○ |
| Hydraulic oil ISO VG 46                                             | ● |
| Hydraulic oil ISO VG 32                                             | ○ |
| Hydraulic oil ISO VG 68                                             | ○ |
| Electric proportional joysticks on right                            | ● |
| Electric proportional joysticks on left                             | ● |
| Pressure monitor gauge                                              | ● |
| Flow setting for attachment of instrument                           | ● |
| Pressure setting for attachment of instrument                       | ● |

### Boom, arm and bucket

|                                                     |   |
|-----------------------------------------------------|---|
| Boom-4.6 m (15'1")                                  | ● |
| Arm-2.52 m (8'3")                                   | ● |
| Reinforced bucket-(0.65 m³/0.85 yd³) (1 160 mm/46") | ● |
| Arm-3.01 m (9'11")                                  | ○ |
| Rock bucket-(0.52 m³/0.68 yd³)/(930 mm/37")         | ○ |
| Earth work bucket-(0.7 m³/0.92 yd³)/(1 239 mm/49")  | ○ |
| Narrow bucket-(0.4 m³/0.52 yd³)/(880 mm/35")        | ○ |
| Ditching bucket-(0.32 m³/0.42 yd³)/ (600 mm/24")    | ○ |
| Reinforced bucket-(0.52 m³/0.68 yd³)/(999 mm/39")   | ○ |
| Reinforced bucket-(0.6 m³/0.78 yd³)/(1 113 mm/44")  | ○ |
| Reinforced bucket-(0.7 m³/0.92 yd³)/(1 259 mm/50")  | ○ |
| Earth work bucket-(0.6 m³/0.78 yd³)/(1 097 mm/43")  | ○ |
| Quick Coupler                                       | ○ |
| Thumb                                               | ○ |
| Scarifier                                           | ○ |
| Hydraulic shear                                     | ○ |
| Orange peel grab                                    | ○ |
| Timber grab                                         | ○ |
| Grapple                                             | ○ |
| Vehicle dismantling shear                           | ○ |
| Straight breaking hammer                            | ○ |
| Scrap shear                                         | ○ |
| Crushing pliers                                     | ○ |
| Compactor                                           | ○ |

### Conterweight

|                              |   |
|------------------------------|---|
| 2.9 t (6393 lb)counterweight | ● |
|------------------------------|---|

### Lubrication system

|                                |   |
|--------------------------------|---|
| Manual centralized lubrication | ● |
|--------------------------------|---|

### Cab & interior

|                                                                                     |   |
|-------------------------------------------------------------------------------------|---|
| Pressurized cab                                                                     | ● |
| Air suspension seat with heater                                                     | ● |
| Control box                                                                         | ● |
| Sun visor                                                                           | ● |
| Front windshield divided by 70/30 ratio                                             | ● |
| Tempered glass                                                                      | ● |
| Double laminated windshield and other tempered windows                              | ○ |
| Sliding upper door window                                                           | ● |
| Air conditioner with defroster [Automatic][Pressurized ]                            | ● |
| Color LCD display with warning,filter / liquid refill and working hours information | ● |
| Travel pedals with detachable manual control lever                                  | ● |
| Double stereo speaker                                                               | ● |
| Cup holder                                                                          | ● |
| Coat hook                                                                           | ● |
| Washable floor mat                                                                  | ● |
| Retractable safety belt [51 mm/2" wide]                                             | ● |
| High and low travel speed switch                                                    | ● |
| One-key boost                                                                       | ● |
| Reserved attachments switches                                                       | ● |
| Top sunscreen                                                                       | ● |
| Skylight                                                                            | ● |
| Windshield wiper with intermittent feature                                          | ● |
| File packet                                                                         | ● |
| Emergency exit on rear window                                                       | ● |
| Hammer for emergency escape                                                         | ● |

### 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 rearview mirrors                                 | ● |
| Counterweight rearview mirror (when mounted pedestal) | ○ |
| Anti-burst valve on the boom                          | ○ |
| Anti-burst valve on the arm                           | ○ |
| Roll over protective structure[ROPS]                  | ● |
| Operator protective guards[OPG]                       | ○ |
| Protective net on lower front windshield              | ○ |

- 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







