

# Small Excavators **XE75U**



Rated Power: 45 kW (60.3 hp)

Operating Weight: 7 860 kg (17,328 lb)

Standard Bucket Capacity: 0.33 m<sup>3</sup> (0.43 yd<sup>3</sup>)

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# 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 395th 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 XE75U hydraulic excavator is highly applicable for hydropower, transportation, municipal, garden, farmland reconstruction, oil pipeline and other small-scale construction. Designed features: suitable for suburban and narrow space; ambient temperature: -15°C ~ 40°C; Working objects: soil below grade III and loose materials.

Powered by a reliable 60.3hp kubota engine, you can count on it to finish tough jobs in various operating conditions. When it comes to efficiency, versatility is a critical factor. That's why the machine is compatible to multiple attachments that can be installed within a short period of time with its hydraulic quick coupler. You will make full use of every second in the jobsite.





# Small Machine with Excellent Performance

## A Superior Model with Passionate Design

Developed with the concept of “Safe, Reliable, Efficient, Comfortable”, the XE75U hydraulic excavator offers additional value to the operator. New features are presented making the machines more productive, versatile, and cost effective.

- Kubota V2607-CR-TIE4B Tier 4F engine, along with the load-sensing hydraulic system provides high operating efficiency and fuel economy.
- This compact excavator is designed and built to work on more jobsites while reducing risk of damage to the machine and its surroundings.
- Convenient accessible service points make maintenance easier and reduce your potential downtime.

## Engine Speed Knob

The newly designed engine speed knob allows easy engine control.

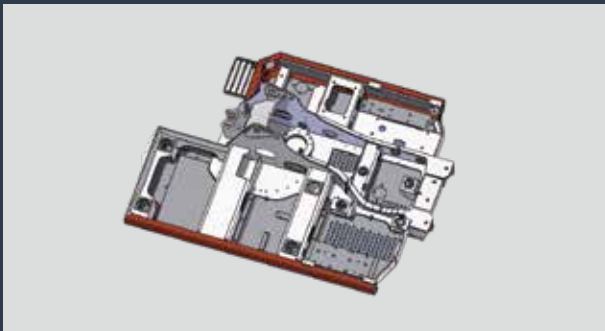
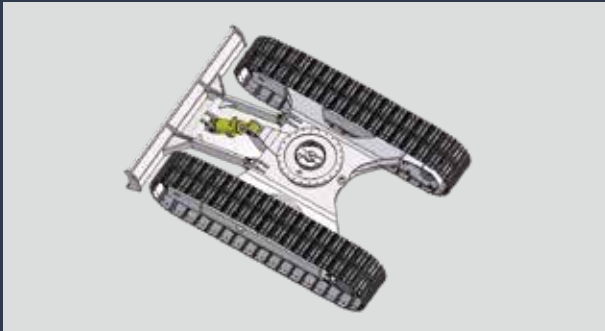
## Optimized Efficiency

contributes to lower costs, increased productivity and maximum uptime, and a number of efficient features are combined on the XE75U. ECO mode allows you to choose the right machine setting for the job with impressive fuel efficiency.

## Robust Boom, Arm and Undercarriage

FEA Element Analysis has been 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.

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



# Operational Comfort

## Large Operator Space with Ergonomic Control Layout

The XE75U offers the operator a large, comfortable workspace. The ergonomic layout of the controls, the travel pedals, and the adjustable wrist rests, are designed to reduce operator fatigue and increase productivity.



# Easy Access for Maintenance

## ► Easy Service Access

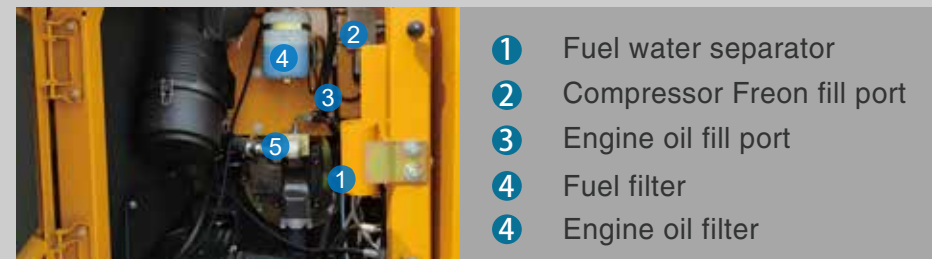
Daily checks and regular service points including fuel and hydraulic oil fill are easily reached.

The main hydraulic valve and lines are also easily reached through a removable floor plate and side panels.

The machine has durable steel body panels all around, offering good resistance to impact damage after a potential incident.



The XE75U is designed for lower maintenance cost with longer service intervals – resulting in more machine availability on-site. Meanwhile, skilled XCMG-trained technicians are available to provide extra support when needed.





# Technical Specifications

## Engine

Make/Model	V2607-CR-TIE4B
No. of cylinders	4
Power output	45 kw (60.3 hp) / 2200 rpm
Max torque	225.8 Nm/1400-1800 rpm
Displacement	2.615 L (0.7 gal)

## Oil Capacity

Fuel Tank Capacity	130 L (34.3 gal)
Hydraulic Tank Capacity	76 L (20 gal)
Engine Oil Capacity	10 L (2.6 gal)

## Hydraulic system

This original XCMG design allows independent and combined operations of all functions by pilot controlled levers.

### > Pump

Main Pump	1
Rated Flow of Main Pump	156 l/min (41.2 gal/min)
Main Safety Valve Pressure	28.2 MPa (4,090 psi)
Travel System Pressure	28.2 MPa (4,090 psi)
Swing System Pressure	20.8 MPa (3,017 psi)
Pilot System Pressure	3.5 MPa (508 psi)

## Drive

Each track is driven by an independent, high-torque, axial piston motor through planetary reduction gears. Two control levers provide smooth travel or counterrotation upon demand.

### >Speed & traction

Travel speed (low - high)	4.9/2.7 km/h (3/1.7 mph)
Swing Speed	11 r/min
Gradeability	≤30°
Ground Pressure	33.5 kPa

## Digging forces (ISO 6015)

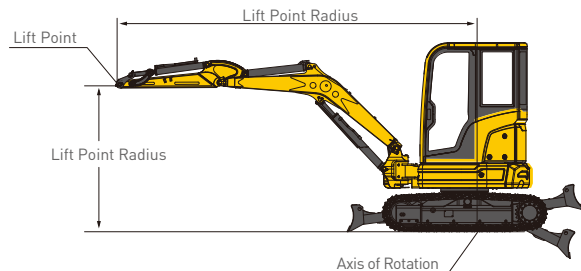
Bucket Digging Force	57kN (12,814 lbf)
Arm Digging Force	38kN (8,543 lbf)
Maximum Tractive Force	68.3kN (15,355 lbf)

# Lifting Capacities

## XE75U

Cab • standard arm (1350 mm) • standard counterweight • without bucket

Lifting point height (m/ft.)	Over Front						Over Side					
	Lifting capacity at maximum radius(kg/lb)	1 m/3'3"	2 m/6'7"	3 m/9'10"	4 m/13'1"	5 m/16'5"	Lifting capacity at maximum radius(kg/lb)	1 m/3'3"	2 m/6'7"	3 m/9'10"	4 m/13'1"	5 m/16'5"
5/16'5"	*1 615/3,560			*1 613/3,556						*1 613/3,556		
4/13'1"	*1 504/3,316			*1 795/3,957	*1 732/3,818					*1 795/3,957	*1 732/3,818	
3/9'10"	*1 490/3,285			*2 214/4,881	*1 911/4,213					*2 214/4,881	*1 911/4,213	
2/6'7"	*1 547/3,411			*2 864/6,314	*2 280/5,027	*1 923/4,239				*2 864/6,314	2 096/4,621	1 514/3,338
1/3'3"	*1 653/3,644			*3 312/7,302	*2 442/5,384	*2 020/4,458				3 129/6,898	2 040/4,497	1 489/3,283
Ground	*1 874/4,131			*3 513/7,745	*2 586/5,701	*2 076/4,577				3 071/6,770	2 001/4,411	1 471/3,243
-1/-3'3"	*2 158/4,758		*4 283/9,442	*3 460/7,628	*2 580/5,688				*4 283/9,442	3 056/6,737	1 987/4,381	
-2/-6'7"	*2 266/4,996		*4 335/9,557	*3 110/6,856					*4 335/9,557	3 076/6,781		
-3/-9'10"	*2 322/5,119		*15 878/35,005						6 722/14,819			

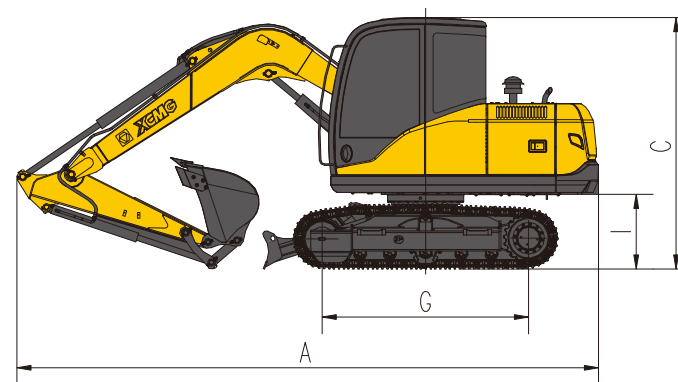
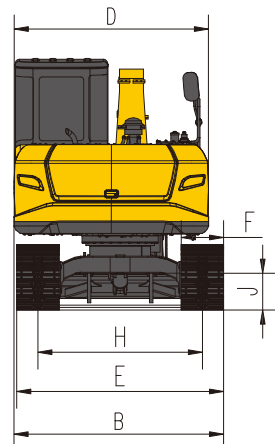
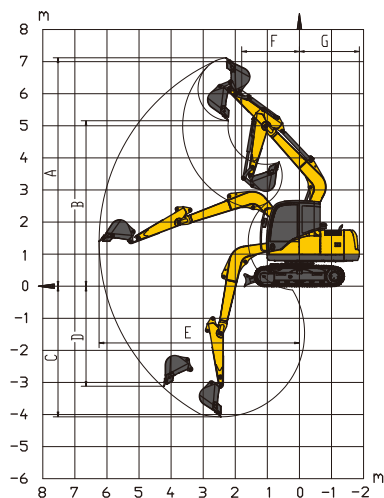


1. The lifting capacity is based on the ISO10567 standard.
2. \* = The maximum lifting capacity is limited by the hydraulic capacity of the machine.
3. The lifting capacity does not exceed 87% of the hydraulic capacity or 75% of the tipping load with the machine on level and firm ground.
4. The operator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

### Working range

A	Maximum Digging Height	7 085 mm/23'3"
B	Maximum Dumping Height	5 160 mm/16'11"
C	Maximum Digging Depth	4 020 mm/13'2"
D	Maximum Vertical Wall Digging Depth	2 916 mm/9'7"
E	Maximum Digging Radius	6 260 mm/20'6"
F	Minimum Swing Radius	1 818 mm/6'

A	Overall Length	6 150 mm/20'2"
B	Overall Width	2 255 mm/7'5"
C	Overall Height	2 685 mm/8'10"
D	Width of Platform	2 070 mm/6'9"
E	Track Length	2 880 mm/9'5"
F	Total Width of Chassis	2 250 mm/7'5"
G	Track Shoe Width	450 mm/1'6"
H	Crawler base	2 250 mm/7'5"
I	Track Gauge	1 800 mm/5'11"
J	Counterweight Clearance	820.5 mm/2'8"
K	Minimum Ground Clearance	359.5 mm/1'2"
L	Minimum Tail Swing Radius	1 800 mm/5'11"
M	Track Height	691 mm/2'3"

## › Standard and Optional Equipment

### Engine

Engine model	V2607
Emission level	Tier 4F
DOC	●
Oil water separator with water level indication sensor	●
Radial seal air filter	●
Air prefilter	●
Radiator	●
Fuel gauge	●
Oil water quick release device	●
Automatic idle	●

### Hydraulic system

Auxiliary hydraulic valve	●
Single and two-way pipeline	●
Coupler pipeline	●
Rotary implement lines	●
Hydraulic oil ISO VG 46	●
Hydraulic oil ISO VG 32	○
Hydraulic oil ISO VG 68	○
Left and right electric proportional joysticks	●
Spare valve plate	●
Gauge pressure monitoring	●
Left and right operation mode switch	●
Lifting overload alarm	●

### Chassis

450mm rubber track	○
one rail clamp on both the left and right of the track	●
2x40 tracks, 2x5 rollers	●
2x1 drag chain wheel	●
Bottom frame traction ring	●
450 mm (17.7") rubber track	○
2x40, 450 mm (17.7") three-rib track shoe	●
Bottom sealing plate of chassis, Walking motor sealing plate	●
2x40 rubber block	●
Bulldozer shovel	●

### Working device

Boom 3.72 m	●
Arm 1.62 m	●
Bucket 0.33 m³	●

### Cab & interior

Mechanical suspension seat	●
Up and down adjustable seat handrail	●
70/30 split windscreen	●
Tempered windshields and other tempered windows	●
Sliding door upper window	●
air conditioner	●
Color LCD display showing warning messages, filter/fluid replacement information and hours of operation	●
Ride control pedal with removable manual lever	●
Two stereo speakers	●
Cup holder	●
Coat hook	●
washable floor mats	●
Seat belt	●
High and low speed shifting	●
Work aid reserve switch	●
top sunroof	●
Wiper	●
file pocket	●
Rear window emergency exit	●
Emergency escape hammer	●

### Safety and security configuration

Driving door locks and cabin locks	●
Alarm horn	●
Coupler button with alarm	●
Wiper motor protection box	●
Battery disconnect switch	●
Overheating alarm	●
Anti skid/anti slip sticker	●
Hydraulic safety locking lever	●
Left and right rear-view mirrors	●
Cab rearview mirror	●
Boom explosion-proof valve	●
Boom explosion-proof valve protective cover	●
Roll over protection structure (ROPS)	●
Anti falling object function cab (OPG)	○

### Electrical system

Battery (950 CCA)	●
90 A Alternator	●
3 kW start motor	●
12V cigarette lighter	●
5V USB interface	●
AM-FM radio with digital display	●
Rotating warning lamp	●
LED lights cab front work lights 2	●
LED light cab rear work light 1	●
Working device headlight LED 2	●
12V power interface	●
Cab interior lighting	●
Rear view camera	●

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





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