

Small Excavators XE75U



Rated Power: 45 kW (60 hp)
Operating Weight: 7680 kg (16931 lb)
Standard Bucket Capacity: 0.33 m³ (0.43 yd³)

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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 XCMG XE75U excavator

The XCMG XE75U excavator is equipped with a customized low-speed high torque Kubota engine with a rated power of 60.3hp, providing strong power and meeting various working 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 finish the operations with ease and comfort in the jobsite.





Small Machine with Excellent Performance

Multi condition adaptability

Can meet various working conditions such as municipal, road construction, and small-scale landscaping needs. Mainly responsible for clearing the ground, crushing, logging, drilling, digging trenches, lifting and other operations.



Excellent performance

The XE75U engine has sufficient reserve power and is matched with a large displacement main pump, resulting in a 5% increase in overall efficiency compared to the previous generation product, while reducing fuel consumption by 4%.

Equipped with a load sensitive system, the hydraulic control of multiple machines is more precise, and the pressure and flow can be adjusted.

Equipped with multiple optional technical solutions to meet the needs of different customer operating conditions.



Operational Comfort

› Comfort

New mechanical suspension seats with thickened and elongated seat cushions for greater comfort;

The new color large monitor, combined with integrated air conditioning, Bluetooth telephone, multimedia, mode setting, intelligent fault diagnosis and other functions, makes operation more convenient and comfortable;

Sealed positive pressure cab, preventing dust intrusion and reducing noise by 1.5 db, creating a cleaner and quieter working environment;

High power fully automatic heating and cooling air conditioner, with a 10% increase in wind speed and a 20% improvement in cooling effect.



Easy Access for Maintenance

› Easy Service Access

The air filter is arranged on the left side of the machine, with a suitable position and large operating space, making maintenance convenient and fast;

Screen type air intake filter, with good filtering effect and easy cleaning;



The water radiator, oil radiator, fuel filter, oil filter and after-treatment devices are centrally arranged on the rear side of the machine, with a large operating space and convenient and fast maintenance;

The battery, machine switch, and centralized electrical box are uniformly arranged on the right side for easy inspection and maintenance of the electrical system.



- 1 Coolant
- 2 Oil filter
- 3 Radiator
- 4 Engine postprocessor

Excellent Reliability and Safety Features

› Reliability Improvement

The swing platform, boom and arm, and undercarriage have been simulated and tested, and all stress indicators meet the design requirements, making the structure safe and reliable;

Optimize the main structure of the swing platform to effectively improve reliability under heavy load operation conditions;

The newly optimized roller system layout, comfortable walking, reduces four-wheel lateral load capacity, and increase the machine life period by 10%;

The 7.5 ton excavator has completed over 2000 hours of excavation, loading, and walking verification assessment, with stable operation, reliable performance, and all indicators meeting the design requirements.



› Safety

High strength special-shaped steel integrated stamping forming, with good impact resistance, bending resistance, and torsion resistance;

Meet the requirements of anti-rolling and anti-falling object safety protection structure, with standard dozer hydraulic lock to ensure the safety of machines and personnel;

Integrated narrow frame skeleton structure, with small front side obstruction and wide visual range, safer construction;



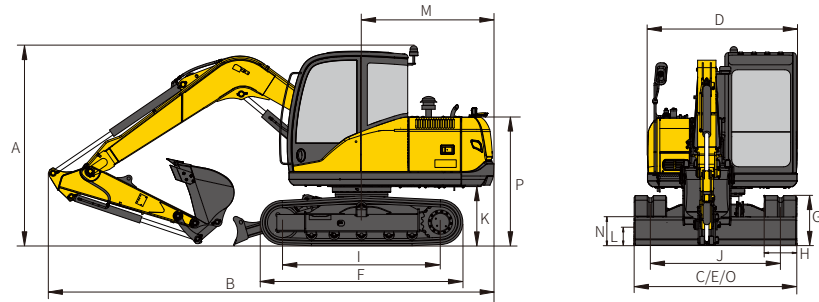
Emergency stop switch, when the machine is in a dangerous state, quickly cuts off the power supply of the whole machine, stops the operation of the equipment, and protects personal and equipment safety;

The machine is equipped with LED lights, which have good brightness, long life period, wide angle, and are safer for night construction;

Standard configuration includes alarm lights and buzzers, integrating sound and light, ensuring safe night construction and transition.



Machine dimensions



Item contents	Unit	Parameters
Boom length	mm	3720
Arm length	mm	1622

A Overall height

Cab height	mm	2670
OPG height	mm	2754
With boom/arm/bucket installed	mm	2600
With boom/arm installed	mm	2600
With boom installed	mm	2600
With boom/arm/bucket installed (with piping)	mm	2680
With boom/arm installed (with piping)	mm	2680
With boom installed (with piping)	mm	2680
Height of warning light	mm	2780

B Overall length

With boom/arm/bucket installed	mm	6150
With boom/arm installed	mm	6150
With boom installed	mm	6150
With boom/arm/bucket installed (with piping)	mm	6150
With boom/arm installed (with piping)	mm	6150
With boom installed (with piping)	mm	6150

Item contents	Unit	Parameters
C Overall width	mm	2255
D Upper structure width	mm	2070
E Chassis width	mm	2255
F Track length	mm	2880
G Track height	mm	691
H Standard track shoe width	mm	450
I Track wheelbase	mm	2250
J Track gauge	mm	1800
K Counterweight ground clearance	mm	820.5
L Minimum ground clearance	mm	359.5
M Tail swing radius	mm	1800
N Dozer blade height	mm	407
O Dozer blade width	mm	2255
P Hood height	mm	1785.5

Technical specifications

Item contents	Unit	Parameters
Operating weight	kg	7680 Including operator (75kg)Contains 90% fuel

Engine

Engine brand/model	-	Kubota V2607
Rated power/rpm	kW/rpm	45/2200
Electric injection	-	✓
4-stroke	-	✓
Water-cooled	-	✓
Turbocharged	-	✓
Air-to-Air intercooling	-	✓
Stroke	mm	110
Cylinder bore	mm	87
Number of cylinders	-	4
Maximum torque/rpm	N · m/rpm	225.8/1500
Displacement	L	3.3

Main performance

Travel speed (high/low)	km/h	4.3/2.7
Swing speed	r/min	11
Gradeability	-	30° (58%)
Ground specific pressure	kPa	34.05
Bucket digging force (SAE)	kN	57
Arm digging force (SAE)	kN	38
Maximum traction force	kN	64

Track

Standard track shoe width	mm	450
Number of track shoes (per side)	-	39
Number of track roller (per side)	-	5
Number of track carrier roller (per side)	-	1

Hydraulic system

Main pump	-	1 × Variable pump
Maximum flow rate of main system	L/min	156
Main system pressure	MPa	26.3
Pilot system pressure	MPa	3.7
Travel system pressure	MPa	26.3
Swing system pressure	MPa	20.6

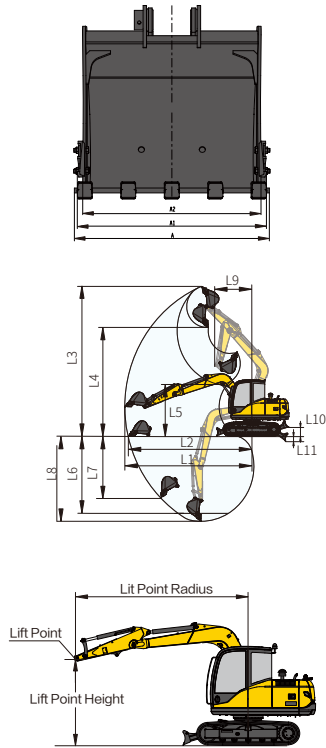
Oil capacity

Fuel tank capacity	L	130
Hydraulic oil tank capacity	L	140

Cab standard

ISO 10262: 1998 (OPG)	-	✓
ISO 12117-2: 2008 (ROPS)	-	✓

Working range and lifting capacity



Item contents	Unit	Parameters
Transportation dimensions (L*W*H)	mm	983*832*894
Bucket teeth radius	mm	990
Bucket width (main blade) A	mm	806
Bucket width (side teeth) A1	mm	832
Bucket width (side blade) A2	mm	757
Bucket capacity	m ³	0.33
Weight	kg	250

Item contents	Unit	Parameters
Length of boom	mm	3720
Length of arm	mm	1622
L1 Maximum reach	mm	6260
L2 Maximum reach at GRP	mm	6065
L3 Maximum digging height	mm	7085
L4 Maximum unloading height	mm	5160
L5 Minimum unloading height	mm	2470
L6 8 ft. level floor digging depth	mm	3640
L7 Maximum vertical digging depth	mm	2920
L8 Maximum digging depth	mm	4020
L9 Minimum swing radius	mm	1818
L10 Maximum lifting height of dozer blade	mm	431
L11 Max. cutting depth of dozer blade	mm	343

Never attempt to lift or hold any load in excess of the rated lifting capacity at the specified lifting radius and height. The lifting point is located on the lifting eye of the arm.

When determining the net lifting weight allowed for the machine, the weight of the slings and any auxiliary lifting devices must be deducted from the rated lifting capacity. Lifting capacity is based on the machine standing on firm and level ground. The operator should consider working conditions such as soft or uneven ground. Before operating the machine, the operator should familiarize himself with the safety procedures in the relevant manual.

: Over front
 : Over side

Lifting point height (m)	Rated lifting capacity (kg) 						Rated lifting capacity (kg) 						Lifting radius (m)
	Lifting point radius (m)					Lifting capacity	Lifting point radius (m)					Lifting capacity	
	1.0	2.0	3.0	4.0	5.0		1.0	2.0	3.0	4.0	5.0		
5.0			*1613			*1615			*1613			*1615	3.8
4.0			*1795	*1732		*1504			*1795	*1732		*1504	4.5
3.0			*2214	*1911		*1490			*2214	*1911		*1490	5.0
2.0			*2864	*2280	*1923	*1547			*2864	2096	1514	*1547	5.2
1.0			*3312	*2442	*2020	*1653			3129	2040	1489	*1653	5.2
0			*3513	*2586	*2076	*1874			3071	2001	1471	*1874	5.1
-1.0		*4283	*3460	*2580		*2158		*4283	3056	1987		*2158	4.7
-2.0		*4335	*3110			*2266		*4335	3076			*2266	3.9
-3.0		*15878				*2322		6722				*2322	2.8

Lifting capacities marked with an asterisk (*) are limited by hydraulic capacity, see note 2.

Note 1 The lifting capacities in the table refer to the case where no external thrust intervention is included.

Note 2 The lifting capacities in the table should not exceed 75% of the minimum tipping load or 87% of the hydraulic capacity.

Note 3 The least stable position is on the side of the excavator.

Note 4 Note 4 The lifting capacity table applies only to machines originally built and normally assembled by the manufacturer.

Note 5 Note 5 The machine is rated for an operating weight of 7680 kg (16931 lb) , which includes 0.45 m (1.48 ft) steel tracks, a 3.72 m (12.2 ft) boom, a 1.62 m (5.31 ft) arm, a 800 kg (1763 lb) counterweight, all working fluids, and a 234 kg (515 lb) operator, exclusive of the bucket.

Note 6 Lifting capacity shall be in accordance with ISO 10567:2007.

Note 7 For all configurations of track specifications, the lifting capacity is kept within ±5%.

Technical Specifications

WORK EQUIPMENT

3.72 boom	●
1.62 arm	●

CABIN

Cab	●
Cab Front upper-guard	○
Cab Front under-guard	○
Cab top-guard	○

HYDRAULICS

Auxiliary piping (single/double-acting, switchable, high flow)	●
Auxiliary piping (double way, for rotating or tilting tool, low flow)	●
Quick-coupler piping	●
Boom cylinder safety valve	●
Left electric proportional joystick	●
Right electric proportional joystick	●

ELECTRIC

Rotating warning beacon	●
Travel alarm	●
Rearview camera	●
AM/FM bluetooth radio	●
Displayer languages: Chinese, English, Russian, Portuguese, Spanish, French, Italian, German	●

OTHER EQUIPMENT

650kg counterweight	●
BHL Control Patten Change	●

UNDERCARRIAGE

Rubber track	●
Steel track	○

ATTACHMENTS

Quick coupler 1: Miller PL quick coupler (CE)	○
Quick coupler 2: Addie quick coupler	○
Thumb (includes thumb cylinder and kit)	○
General duty bucket 1: capacity 0.33m ³ , width 832mm, weight 250kg	○
General duty bucket 2: capacity 0.33m ³ , width 915mm, weight 226kg	○
General duty bucket 3: capacity 0.42m ³ , width 1070mm, weight 302kg	○
Ditch cleaning bucket 1: capacity 0.36m ³ , width 900mm, weight 227.3kg	○

● Standard ○ Optional

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



