



Hydraulic Excavators **XE90U**



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.
HWA90-09-24-1

Rated power: 54.6 kW
Operating Weight: 9.5 T
Bucket Capacity: 0.1-0.5 m³





INTRODUCTION OF XCMG

Founded in 1943, XCMG is a multinational corporation with the most comprehensive range of competitive, influential products in the construction machinery industry. Our business covers eight key areas: construction machinery, heavy trucks, mining machinery, sanitation machinery, machinery components, construction, finance, and the ICT industry.

XCMG has established a global R&D network with a total of 6 centers around the world, the US, Germany, Brazil, India and Australia R&D centers, with the China national technology center as its core. In addition to a number of manufacturing bases in China, there are the US, Germany, Netherlands, Poland, Austria, Brazil, India, and Uzbekistan manufacturing bases. XCMG possess two complete machine brands (XCMG, Schwing), and several component brands including FT and AMCA. The strength of this global R&D network and the manufacturing operations have made XCMG the industry-leading global construction equipment manufacturer by today.

For more than 30 years, XCMG has been sowing the seeds of overseas development as the No. 1 exporter in China's construction machinery industry. Today, we have 40 overseas offices and 300+ overseas dealers in 190+ countries and regions worldwide and are still growing rapidly.

XCMG IN AUSTRALIA

Since its foundation in 2006, XCMG is gradually establishing a complete network including: local distribution, supply chain management and an integrated customer services and training. Nowadays, with one headquarter in Melbourne, XCMG Australia has established professional dealers in every state focusing on construction equipment business. Meanwhile, XCMG has deep connections with mining giants like Rio Tinto, BHP and MMG in Australia.

Our local professional team and cutting-edge innovation platform guarantee that our products are carefully crafted to the smallest detail according to the diverse needs of Australian customers.



High Performance

► 54.6kW powerful engine(the largest in this tonne industry)

Kubota V3307 Stage V emission common rail diesel engine with EGR, DOC, and DPF technology, XCMG has tuned it specifically for construction machinery. The engine output is significantly increased, which thereby shortens the digging cycle time remarkably. XE90U attains high performances without reducing the speed even when heavy a load is applied or when travelling on a slope.

Versatile abilities

The left 62 °and right 50 °angle swing boom, together with short tail design, XE90U can handle a wider range of loads, and can work in more restrictive spaces than traditional tail swing excavators.

AUX1, AUX2, drain oil lines, and hitch lines are standard for great multi-attachments capabilities. Specially designed blade float allows for easy clean up.



Exceptional Heavy-duty

Enhanced boom and arm, slew bearing, lower rollers, and more powerful dual speed track motors, together with dual filtration intake air system allow for exceptional heavy-duty performance.

Safety

Standard equipment on the XE90U, the anti-drop valves for boom, arm and blade prevent an elevated load from dropping unexpectedly.



Operational Comfort

► Ergonomic and Comfortable

The XE90U is designed to provide you with the best working conditions. The cab has a wide entrance door, which makes it more accessible. The OPG/ROPS(ISO 3471) cabin maximizes your safety.



Easy Access for Maintenance

► Easy Service Access

Our XE90U was developed with particular attention to easy service access. With a single access point for the daily maintenance of all main components, fuel level gauge, and refueling through the lockable cap.



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

Technical Specifications

■ Engine

	XE90U
Model	Kubota V3307CRTE5
Direct injection	√
Four strokes	√
Water cooled	√
Turbocharged	√
Air to air intercooler	/
Number of cylinders	4
Rated power/speed	54.6 kW/2200 rpm
Maximum torque/speed	265 N·m/1500 rpm
Piston displacement	3.3 L

■ Hydraulic system

	XE90U
Main pump	/
Rated flow of main pump	229 L/min
Relief valve setting pressure	28.3 MPa
Travel system pressure	28.3 MPa
Swing system pressure	23.5 MPa
Pilot system pressure	3.7 MPa
AUX1 breaking flow	131 L/min
AUX1 two-way flow	131 L/min
AUX2 flow	33 L/min

■ Oil capacity

	XE90U
Fuel tank capacity	130 L
Hydraulic tank capacity	130 L
Engine oil capacity	10 L

■ Main performance

	XE90U
Travel speed (H/L)	4.9/2.7 km/h
Swing speed	12 r/min
Gradeability	≤30 °
Ground pressure	48 kPa
Bucket digging force	64 kN
Arm digging force	41 kN
Maximum tractive force	64 kN
Boom offset (Left)	62 °
Boom offset (Right)	50 °

■ Standard

	XE90U
Length of boom	3400 mm
Length of arm	1823 mm
Bucket capacity	0.35 m³

■ Optional

	XE90U
Length of boom	/
Length of arm	/
Bucket capacity	/

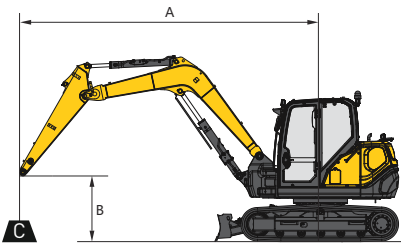


Lifting Capacities Dimensions & Working Range

XE90U

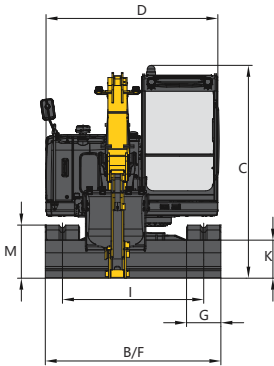
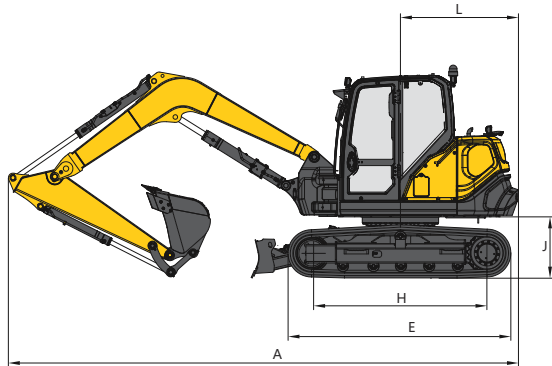
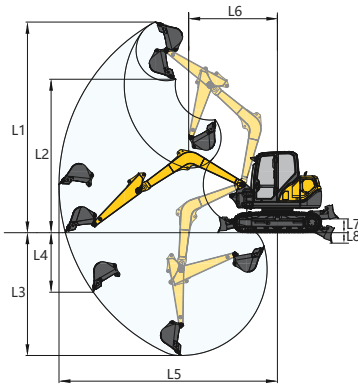
■ Cab • standard arm (1820 mm) • standard counterweight and additional counterweight • without bucket

A B		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		At Max.Reach		
		kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m
5.0 m	kg					2280	1825	1598	1284			1596	1282	5.0 m
4.0 m	kg					2182	1725	1559	1247	1182	947	1298	1043	5.7 m
3.0 m	kg					2070	1621	1506	1197	1160	926	1157	927	6.1 m
2.0 m	kg					1980	1538	1458	1151	1136	903	1092	872	6.2 m
1.0 m	kg					1935	1496	1426	1121			1083	861	6.2 m
0.0 m	kg			2986	2228	1926	1487	1418	1114			1129	895	5.9 m
-1.0 m	kg	*4110	*4110	2997	2238	1926	1487	1418	1114			1259	994	5.5 m
-2.0 m	kg	*5394	4539	3039	2275	1950	1510					1583	1242	4.7 m



■ : Over front
■ : Over side or 360°

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 comply ing with EN474-5.



Working range

	XE90U
L1	Max. digging height
L2	Max. dumping height
L3	Max. digging depth
L4	Max. vertical wall digging depth
L5	Max. digging reach
L6	Min. swing radius
L7	Maximum dozer lifting height
L8	Maximum dozer cutting depth

Dimensions

	XE90U
A	Overall length
B	Overall width
C	Overall height
D	Width of platform
E	Length of crawler
F	Overall width of chassis
G	Width of crawler
H	Track length on ground
I	Crawler gauge
J	Clearance under counterweight
K	Min. ground clearance
L	Min. tail swing radius
M	Height of track

Standard and Optional Equipment

Work Equipment

3.4 m boom	●
1.82 m arm	●

Other Equipment

1.2 T counterweight+0.25 T additional counterweight	●
Electric refueling pump	○

Cabin

Cab	●
Cab Front upper-guard	○
Cab Front under-guard	○
Cab top-guard	○
Mechanical suspension seat	○
Deluxe seat (air suspension seat)	●
AM/FM bluetooth radio	●
DAB bluetooth radio	○

Undercarriage

Rubber track	○
Steel track	●

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	●
Arm cylinder safety valve	●
Left electric proportional joystick	●
Right electric proportional joystick	●

Attachments

Quick coupler 1: Miller PL quick coupler (CE)	○
Quick coupler 2: Addie quick coupler	○
Thumb (includes thumb cylinder and kit)	○
Silence type hydraulic hammer	○
General duty bucket 1: capacity 0.1 m³, width 320 mm, weight 135 kg	○
General duty bucket 2: capacity 0.14 m³, width 450 mm, weight 178 kg	○
General duty bucket 3: capacity 0.2 m³, width 600 mm, weight 209 kg	○
General duty bucket 4: capacity 0.3 m³, width 800 mm, weight 195 kg	○
General duty bucket 5: capacity 0.35 m³, width 868 mm, weight 261 kg	○
General duty bucket 6: capacity 0.33 m³, width 916 mm, weight 227 kg	○
General duty bucket 7: capacity 0.42 m³, width 1070 mm, weight 303 kg	○
Ditch cleaning bucket 1: capacity 0.5 m³, width 1200 mm, weight 341 kg	○
Ditch cleaning bucket 2: capacity 0.45 m³, width 1500 mm, weight 305 kg	○

Standard: ●
Optional: ○

ELECTRIC

Rotating warning beacon	●
Travel alarm	●
Rearview camera	●
Displayer languages: Chinese, English, Russian, Portuguese, Spanish, French, Italian, German, Turkish,Bosanski,Republika Slovenija,Norwegian,Hungaty,Nederland	●

Optimum Services, XCMG Guaranteed



XCMG-approved attachments



Genuine parts



Extension of warranty



Financial solutions



Maintenance contract



Telematics

Professional Integrated Complete Solutions

The 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. A Full range of services is available in order to reduce your total cost of ownership and increase your revenue.

XCMG Global Spare Parts System



Mobile cranes



Excavators



Aerial work platforms



Wheel loaders



Road machinery

