

Mini Excavators XE35U



Rated Power: 18.2 kW (24.4 hp)
Operating Weight: 4200 kg (9259 lb)
Operating Weight with canopy: 4100 kg (9039 lb)
Standard Bucket Capacity: 0.12 m³ (0.16 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 XE35U comes with every feature you expect from a mini excavator in its tonnage.

Variable angle boom, 75° to the left and 50° to the right, and zero swing tail give you an edge when undertaking operations wherever space is confined.

Powered by a reliable 24.4 hp YANMAR 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.





Compact Size with High Performance

A Superior Model with Passionate Design

Developed with the concept of “Safe, Reliable, Efficient, Comfortable”, the XE35U hydraulic excavator offers additional value to the operator. New features are presented making the machines more productive, versatile, and cost effective.

- Yanmar 3TNV88F 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.



— Zero Tail Swing

Make the XE35U an advanced mini excavator. The 360° swing, excellent stability and smooth control, combined unmatched power and efficiency, makes it a versatile excavator which performs at its best in urban area's demolition, roadworks, land-scaping and much more.

— Optimized Efficiency

Contributes to lower costs, increased productivity and maximum uptime, and a number of efficient features are combined on the XE35U. ECO (economy) mode allows you to choose the right machine setting for the job with impressive fuel efficiency.

— Complete Equipped with AUX1,AUX2, and Quick Coupler lines.

With the multiple programmable 2-way proportional auxiliary lines and quick-coupler piping the XE35U meets almost all your attachment needs.

— Blade holding valve as standard

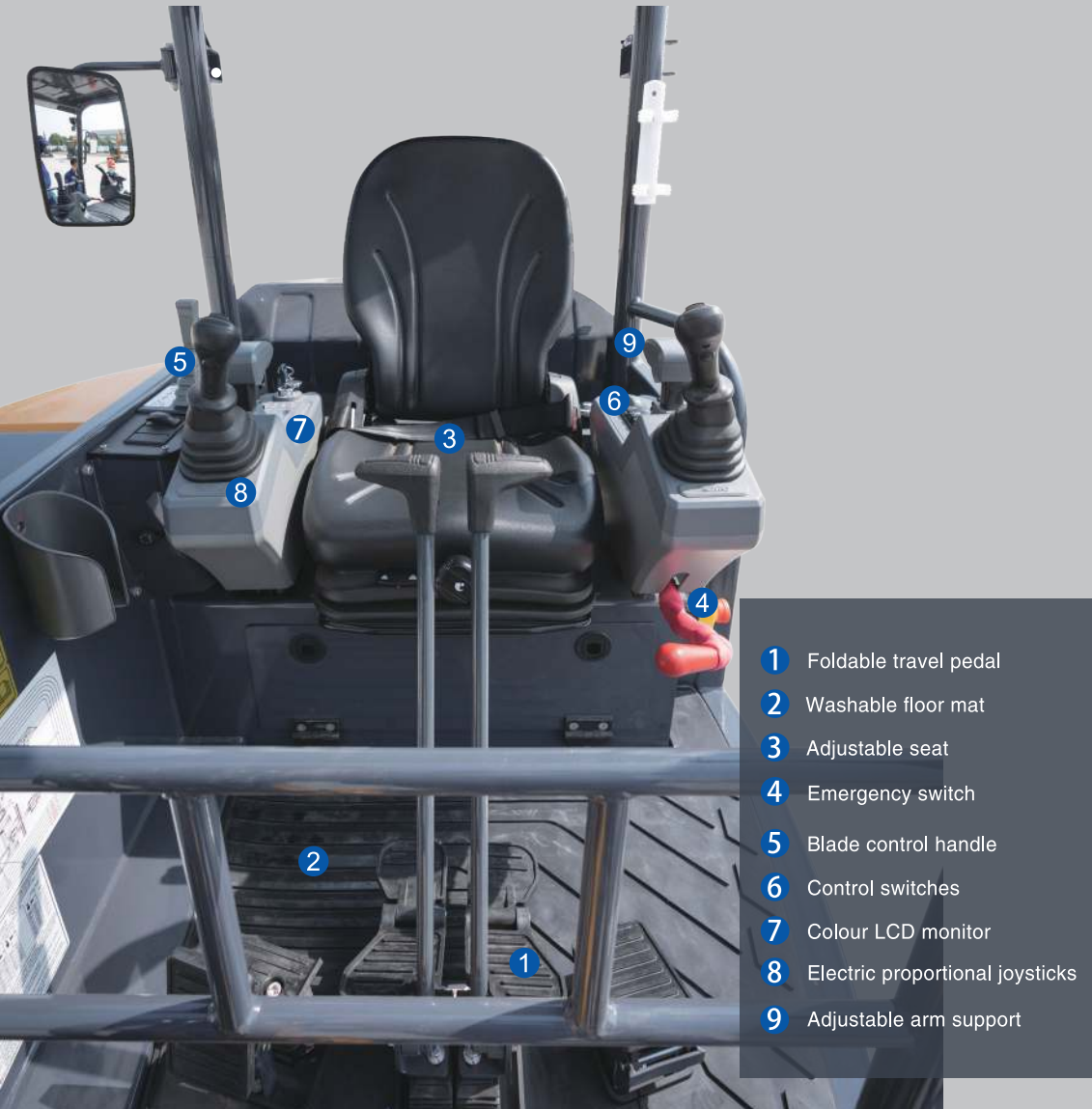
The XE35U is equipped with a dozer holding valve to protect the operator as well as individuals around during operations.



Operator Comfort

› Large Operator Space with Ergonomic Control Layout

The XE35U 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 via the tiltable cabin. 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.



One-sided Engine Maintenance

The XE35U 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.



- 1 Fuel water separator
- 2 Engine oil fill port
- 3 Fuel filter
- 4 Engine oil filter



Technical Specifications

Engine

Make/model	YANMAR/3TNV88F/Tier 4F
Fuel/cooling	Diesel/Liquid, forced circulation
No. of cylinders	3
Piston displacement	1.6 L (0,4 gal)
Power output	18.2 kW (24.4 hp) / 2200 rpm (ISO 14396)
Max torque	85.3-94.2 N·m (62.9-69.5 ft·lb)1320 rpm
Bore × stroke	88 mm × 90 mm (3.46 in × 3.54 in)
Alternator	12 V / 40 A

Hydraulic system

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

> Pump

Type	Load-sensing axial-piston pump with variable displacement
Total hydraulic capacity	99 L/min (26.15 gal/min)
AUX1 & AUX2 maximum flow rate	50 L/min (13.2 gal/min)
AUX1/AUX2 standard relief pressure	180/250 bar (2610/3626 psi)

> Maximum system pressure

Travel	230 bar (3335.87 psi)
Boom/Arm /Bucket	270/270/270 bar (3916.02/3916.02/3916.02 psi)
Swing	200 bar (2900.75 psi)

Fluid capacities

Cooling system (radiator capacity)	6 L (1.59 gal)
Engine lubrication plus oil filter	7 L (1.85 gal)
Fuel tank	40 L (10.57 gal)
Hydraulic tank	35 L (9.25 gal)
Hydraulic system	60 L (15.85 gal)
Final drive case (each)	0.8 L (0.21 gal)

Environment

Noise levels comply with environmental regulations (dynamic values).

> Noise emission

Noise level LpA (ISO 6396)	78 dB(A)
Noise level LwA (ISO 6395)	94 dB(A)

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)	2.2-3.6 km/h (1.4-2.2 mph)
Traction force	31.6 kN (7104 lbf)
Gradeability	30°

Swing mechanism

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

Swing system

Boom swing, left	75°
Boom swing, right	50°
Swing speed	9 rpm

Digging forces (ISO 6015)

Digging force, standard arm (ISO 6015)	20.3 kN (4564 lbf)
Digging force, bucket (ISO 6015)	28.6 kN (6430 lbf)

Weight

Operating weight with cab and bucket	4200 kg (9259 lb)
Ground pressure with cab and bucket	0.36 kgf/cm ² (5.12 psi)
Cab transport mass (no attachment)	4125 kg (9094 lb)
Operating weight with canopy and bucket	4100 kg (9039 lb)
Ground pressure with canopy and bucket	0.357 kgf/cm ² (5.08 psi)
Canopy transport mass (no attachment)	4025 kg (8,874 lb)
Weight of steel tracks	448 kg (988 lb)
Weight of rubber tracks	292 kg (644 lb)

Lifting Capacities

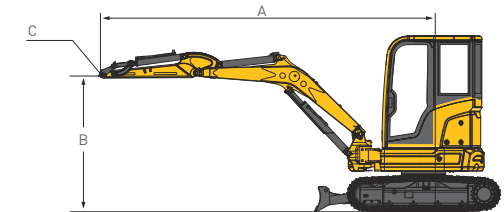
XE35U

Canopy • standard arm: 1350 mm(4.4 ft) • shoe: 300 mm(0.98 ft) • without bucket

B \ A		2 m/6.6 ft		3 m/9.8 ft		4 m/13.1 ft		At Max.Reach		
										Max.
4 m/13.1 ft	kg/lb			*816.9/*1800.9	*816.9/*1800.9			*748.8/*1650.1	*748.8/*1650.1	3.3 m/10.9 ft
3 m/9.8 ft	kg/lb			*830.1/*1830	*830.1/*1830	*806.8/*1778.7	699.1/1541.2	*634.4/*1398.6	*634.4/*1398.6	4.1 m/13.6 ft
2 m/6.6 ft	kg/lb	*1957/*4315.1	1857.4/4094.8	*1094.8/*2413.6	1857.4/4094.8	777.9/1715	689.3/1519.6	*627.5/*1383.4	572.1/1261.3	4.5 m/14.9 ft
1 m/3.3 ft	kg/lb			1127.3/2485.2	1025.7/2161.6	760.2/1675.9	672.2/1481.9	619.4/1365.5	548/1208.1	4.6 m/15.3 ft
Ground Line	kg/lb	*1193.1/*2630.3	*1193.1/*2630.3	1102.4/2430.4	957/2109.8	755.4/1665.4	660.1/1455.3	641.7/1414.7	569.4/1255.3	4.5 m/14.7 ft
-1 m/-3.3 ft	kg/lb	2086.8/4600.6	1730.8/3815.7	1101/2427.3	955.7/2106.9	748.9/1651	661.3/1457.9	745/1642	658/1450	4 m/13.1 ft
-2 m/-6.6 ft	kg/lb	*1299.8/*2865.5	*1299.8/*2865.5					*778.9/*1717.2	*778.9/*1717.2	3 m/9.8 ft

Cab • standard arm: 1350 mm(4.4 ft) • shoe: 300 mm(0.98 ft) • without bucket

B \ A		2 m/6.6 ft		3 m/9.8 ft		4 m/13.1 ft		At Max.Reach		
										Max.
4 m/13.1 ft	kg/lb			*816.9/*1800.9	*816.9/*1800.9			*852/*1878.3	*852/*1878.3	3.3 m/10.9 ft
3 m/9.8 ft	kg/lb			*830.1/*1830	*830.1/*1830	*806.8/*1778.7	724.1/1596.4	*766.7/*1690.3	680/1499.1	4.1 m/13.6 ft
2 m/6.6 ft	kg/lb	*1957/*4315.1	1921.5/4236.1	*1094.8/*2413.6	1061.5/2340.4	807.1/1779.3	714.3/1574.7	*668/*1472	593.4/1308.2	4.5 m/14.9 ft
1 m/3.3 ft	kg/lb			1170.1/2579.6	1016.5/2240.9	789.4/1740.3	697.2/1537	643.5/1418.7	568.8/1254	4.6 m/15.3 ft
Ground Line	kg/lb	*1374/*3029.1	*1374/*3029.1	1145.2/2524.7	922.9/2034.6	784.7/1729.9	685.1/1510.4	666.9/1470.2	591.1/1303.1	4.5 m/14.7 ft
-1 m/-3.3 ft	kg/lb	2166.6/4776.5	1794.8/3956.8	1143.8/2521.6	991.6/2186.1	778.1/1715.4	686.3/1513	774/1706.4	682.9/1505.5	4 m/13.1 ft
-2 m/-6.6 ft	kg/lb	*1299.8/*2865.5	*1299.8/*2865.5					*778.9/*1717.2	*778.9/*1717.2	3 m/9.8 ft



 : Over front

 : Over side or 360°

A: Reach from swing centerline to bucket hook

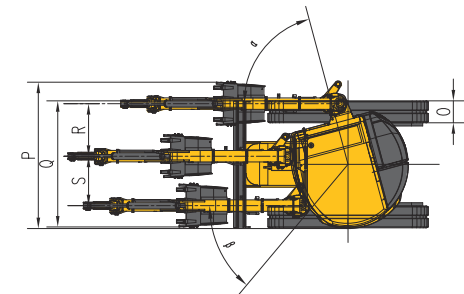
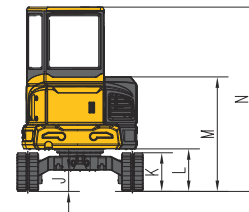
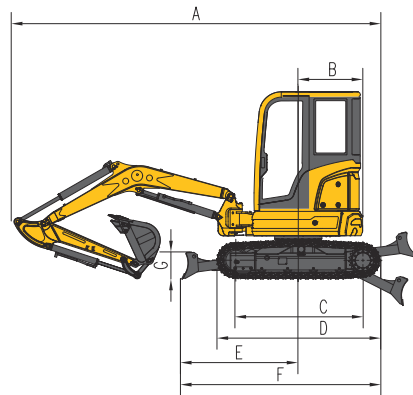
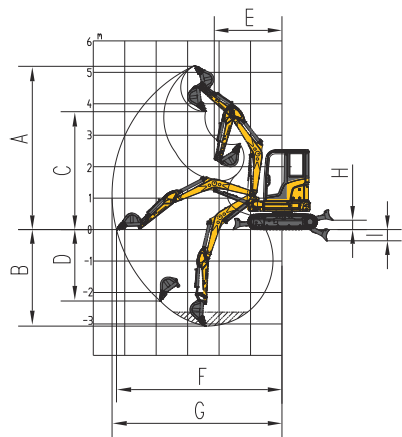
B: Bucket hook height above/below ground

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



Working range

A	Maximum digging height	5000 mm (16'5")
B	Maximum digging depth	3060 mm (10')
C	Maximum dumping height	3600 mm (11'10")
D	Maximum vertical wall digging depth	2260 mm (7'5")
E	Minimum swing radius	2170 mm (7'1")
F	Maximum digging reach at ground level	5200 mm (17'1")
G	Maximum digging reach	5300 mm (17'5")
H	Maximum dozer lifting height	305 mm (12")
I	Maximum dozer cutting depth	360 mm (14")

Dimensions

A	Over length	4960 mm (16'3")
B	Tail slew radius	870 mm (34")
C	Tumbler length	1721 mm (5'8")
D	Track length	2200 mm (7'3")
E	Dozer blade, maximum reach at ground level	1590 mm (5'3")
F	Undercarriage length	2690 mm (8'10")
G	Dozer blade height	367 mm (14")
H	Overall width	1740 mm (5'9")
I	Track gauge	1440 mm (4'9")
J	Minimum ground clearance	297 mm (12")
K	Track height	531 mm (21")
L	Ground clearance of counterweight	587 mm (23")
M	Over all height of tank hood	1590 mm (5'3")
N	Overall height	2535 mm (8'4")
O	Track shoe width	300 mm (12")
P	Working width at maximum right-hand rotation	2005 mm (6'7")
Q	Working width at maximum left-hand rotation	1728 mm (5'8")
R	Maximum boom offset to the right	770 mm (30")
S	Maximum boom offset to the left	580 mm (23")
α	Maximum boom swing angle to the left	75°
β	Maximum boom swing angle to the right	50°

>Standard and Optional Equipment

Engine	
Air cleaner with clogging indicator	●
Air cleaner with double filter element	●
Auto idle	●
Drum type engine oil filter	●
Drum type main fuel filter	●
Radiator auxiliary water tank	●
Fuel-water separator	●
Alternator	●

Hydraulic system	
Control valve with LS relief valve	●
Pilot filter	●
Oil suction filter	●
Accumulator	●
Hydraulic oil ISO VG 46	●
Hydraulic oil ISO VG 32	○
Hydraulic oil ISO VG 68	○
Two-way piping	●
One-way/two-way piping	●
Quick coupler piping	●
Shifted block of quick coupler piping	●

Cab & interior	
AM-FM radio with digital display (cab)	●
DAB bluetooth digital radio (cab)	○
All-weather soundproof steel structure cab (cab)	●
Cup holder	●
Double stereo speaker (cab)	●
Engine key switch	●
Emergency hammer (cab)	●
Fire extinguisher bracket	●
Washable floor mat	●
Footrest	●
Seat	●
Openable upper front windshield (cab)	●
Removable front lower windshield (cab)	●
Tempered glass slide window (cab)	●
Windshield wiper (cab)	●
Safe belt	●
Electric proportional joystick on left and right	●
Travel pedals with detachable manual control lever	●
Coat hook	●
High and low travel speed switch	●
Air conditioner (cab)	●
Top hatch (cab)	●
Cab light	●
Rearview mirror (cab)	●
Color LCD display	●

Undercarriage	
Track tensioning mechanism	●
Tow ring on the bottom frame	●
300 mm(12") rubber track	●
Bottom sealing plate of undercarriage	●
Sealing plate of travel motor	●
One track guards for each side(with steel track)	○
Dozer	●
300 mm(12")steel track with 2x46 joints	○
One carrier roller and four bottom rollers for each side	●

Boom, arm and bucket	
Boom-2.56 m(8'5")	●
Arm-1.35 m(4'5")	●
Bucket-0.12 m³(0.16yd³)	●
Quick Coupler+thumb	●
Bucket-0.06 m³(0.08yd³)	○
Scarifier	○
Quick Coupler(with bucket only)	○
Breaking Hammer	○

Electrical system	
Battery(1 ×75 AH)	●
12 V electric power port	●
Engine cooling water temperature display	●
Fuel level display	●
Engine speed display	●
Working hour meter	●
Warning of engine oil pressure and overheat	●
Charge indicator	●
Air filter blockage warning	●
Engine preheat indicator	●
Two front working light on the cab(LED)	●
Two rear lights on the cab and one on the canopy	●
One working lights on the boom(LED)	●
Rotating beacon	●

Conterweight	
0.58 t(1278.68 lb)counterweight	●

Lubrication system	
Centralized lubricating system of slewing bearing and angle boom cylinder	●
Self-lubricating bearings for boom, arm and bucket	●

Safety and guards	
Lock for the cab door and each cabin (cab)	●
Warning horn	●
The quick coupler button with warning	●
Protective box for wiper motor (cab)	●
Travel parking brake	●
Swing parking brake	●
Battery disconnect switch	●
Dozer blade holding valve	●
Anti-burst valve on the boom	○
Anti-burst valve on the arm	○
Anti-burst valve guard	○
Hydraulic safety locking lever	●
Left and right rearview mirrors of cab	●
Left and right rearview mirrors of canopy	○
Reflective stickers for counterweight	●
Cab without guard mesh: TOPS; with guard mesh: TOPS, ROPS and OPG	○
Canopy with TOPS/ROPS/OPG	●

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





