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Mini Excavators
XE35E



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Rated Power: 18.2kW
Operating weight : 4.2t
Standard bucket capacity: 0.12m³





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 six centers in China, the US, Germany, Brazil and India, with the China national technology center at its core. In addition to a number of manufacturing bases in China, the US, Germany, the Netherlands, Poland, Austria, Brazil, India, and Uzbekistan, we 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 made XCMG the industry-leading global construction equipment manufacturer that it is 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 42 branches and offices, 315 distributors, and 526 contractors in 188 countries and regions worldwide and are still growing rapidly.

XCMG IN EUROPE

Since its foundation in 2012, XCMG is gradually establishing a complete network including: R&D department, local distribution, supply chain management and an integrated customer services and training center. Nowadays, with 3 branches, XCMG has over 100 multinational employees in Europe, of which more than 50 % are R&D engineers:

ERC: XCMG European Research Center GmbH

EPC: XCMG European Purchasing Center GmbH

ESS: XCMG European Sales and Services GmbH

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



► A Superior Model with Passionate Design

Developed with the concept of "Safe, Reliable, Efficient, and Comfortable", the XE35E hydraulic excavator offers additional value to the operator. New features are presented, making the machines more productive, versatile, and cost effective.

- The Yanmar 3TNV88F Stage V 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 your jobsites while reducing the risk of damage to the machine and its surroundings.
- Convenient accessible service points make maintenance easier and reduce your potential downtime.

Zero Tail Swing

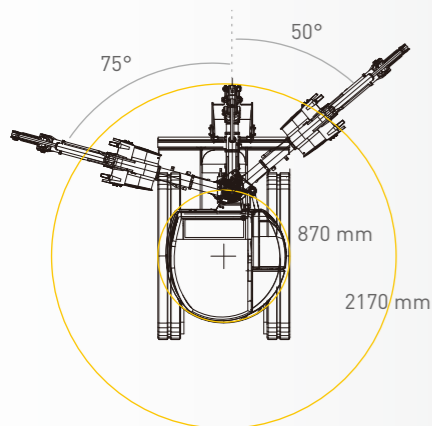
The versatile XE35E combines power and smooth control with excellent stability. It will perform at its best in urban areas, demolition, roadworks, landscaping activities and much more.

ECO mode

This contributes to lower overall costs, increased productivity and maximum uptime. The ECO mode on the XE35E is an efficient feature that allows you to choose the right machine setting for your job while realizing impressive fuel efficiency.

Auto-idle function

Together with the ECO mode and the auto-idle function, you can set the machines performance to match your work in the most efficient way and reduce fuel consumption at the same time.



Compact design.

In full control of your hydraulic system

The XE35E is standard equipped with proportional controlled AUX1 and AUX2 lines and has quick coupler lines standard available. From the monitor you can program multiple attachments.

Safety first

Together with the blade-holding valve, we provide the boom and arm safety valves as a standard configuration. It will make sure that you can handle all you are digging and handling tasks in the safest way.

► Large Operator Space with Ergonomic Control Layout

The XE35E 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.



- 1 Operator station
- 2 Foldable travel pedal
- 3 Seat
- 4 Emergency switch
- 5 Blade control handle
- 6 Control switches
- 7 Air conditioner
- 8 Color LCD monitor
- 9 Hydr piloted joystick
- 10 Sliding window
- 11 Windscreenwiper fluid
- 12 Adjustable arm support

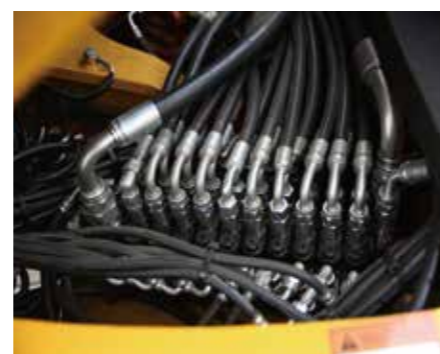


Easy Access for Maintenance

The tilting cab provides quick and easy access to all inspection and maintenance points

Easy Service Access

Daily checks and regular service points, including fuel and hydraulic oil fill, are easily reached via the tiltable cabin. Additionally the main valves and hydraulic lines are easily reached through removable body panels. The machine has durable steel body panels all around, offering good resistance and quick repair time to impact damage after a potential incident.



Easy Maintenance

The XE35E is designed to lower maintenance costs together 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 Compressor Freon fill port
- 3 Engine oil fill port
- 4 Fuel filter
- 5 Engine oil filter



Technical Specifications

Engine

XE35E	
Make/model	YANMAR/3TNV88F/EU Stage V
Fuel/cooling	Diese/Liquid, forced circulation
No. of cylinders	3
Piston displacement	1642 cm ³
Power output	18.2 kW (24.7 hp) / 2200 rpm (ISO 14396)
Max torque	85.3-94.2 Nm/1320 rpm
Bore x stroke	88 mm x 90 mm
Alternator	12 V / 40 A

Hydraulic system

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

Pump

XE35E	
Type	Load-sensing axial-piston pump with variable displacement
Maximum system flow rate	108 L/min
AUX1 & AUX2 maximum flow rate	40 L/min
AUX1/AUX2 standard relief pressure	150/270 bar

Maximum system pressure

XE35E	
Boom	270 bar
Arm / bucket / travel	270 bar
Swing	230 bar

Undercarriage

X-type undercarriage. The heavy-duty crawler chassis is very resilient with its fully welded, stress-free structure. Long service life is ensured by the use of first-class materials: hydraulic chain adjusters with shock-absorbing return springs, lifetime-lubricated track rollers and idlers.

Number of rollers and track shoes

XE35E	
Bottom rollers (per side)	4
Track shoes	Rubber
Overall track length	2220 mm
Shoe width	300 mm



Fluid capacities

XE35E	
Cooling system (radiator capacity)	8 l
Engine lubrication plus oil filter	7 l
Fuel tank	40 l
Hydraulic tank	28 l
Hydraulic system	45 l
Final drive case (each)	0.7 l

Environment

Noise levels comply with environmental regulations (dynamic values).

Noise emission

XE35E	
Noise level LpA (ISO 6396)	76 dB(A)
Noise level LwA (ISO 6395)	94 dB(A)

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

XE35E	
Boom swing, left	75°
Boom swing, right	50°
Slew rate	9 rpm

Drive

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

Speed & traction

XE35E	
Travel speed (low - high)	2.2-3.6 km/h
Traction force	31.6 kN
Grade ability	30°

Digging forces (ISO 6015)

XE35E	
Digging force, standard arm (ISO 6015)	20.3 kN
Digging force, long arm (ISO 6015)	18 kN
Digging force, bucket (ISO 6015)	28.6 kN

Weight

XE35E	
Operating weight with cab and bucket (ISO 6016)	4200kg
Ground pressure with rubber tracks	0.36 kgf/cm ²
Transport mass (no attachment)	4125 kg
Weight of steel tracks	448 kg
Weight of rubber tracks	292 kg
Additional weight for long arm	8 kg

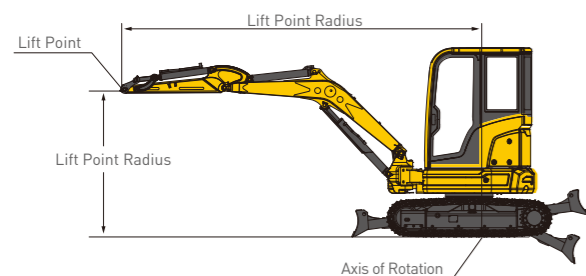
XE35E

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

Lift Point Height	Over Front Blade Up/Down				Over Side				Max Radius (mm)
	Lift At Max Radius (kg)	2.0 m	3.0 m	4.0 m	Lift At Max Radius (kg)	2.0 m	3.0 m	4.0 m	
4 m	852*		816.9*		852*		816.9*		3337
3 m	766.7/812.6*		830.1*		680		830.1*		4137
2 m	668/814.8*	1957.3*	1094.8*		593.4	1921.5	1061.6*		4570
1 m	643.5/830.4*		1170.1/1410.7*		568.8		1016.5		4672
0 m	667/850.4*	1374 *	1145.2/1508.3*		591.1	1374*	992.9		4502
-1 m	774/859.8*	2166.6/2181*	1143.8/1351.4*		682.9	1794.8	991.6		4017
-2 m	778.9*	1299.8*			778.9*	1299.8*			3012

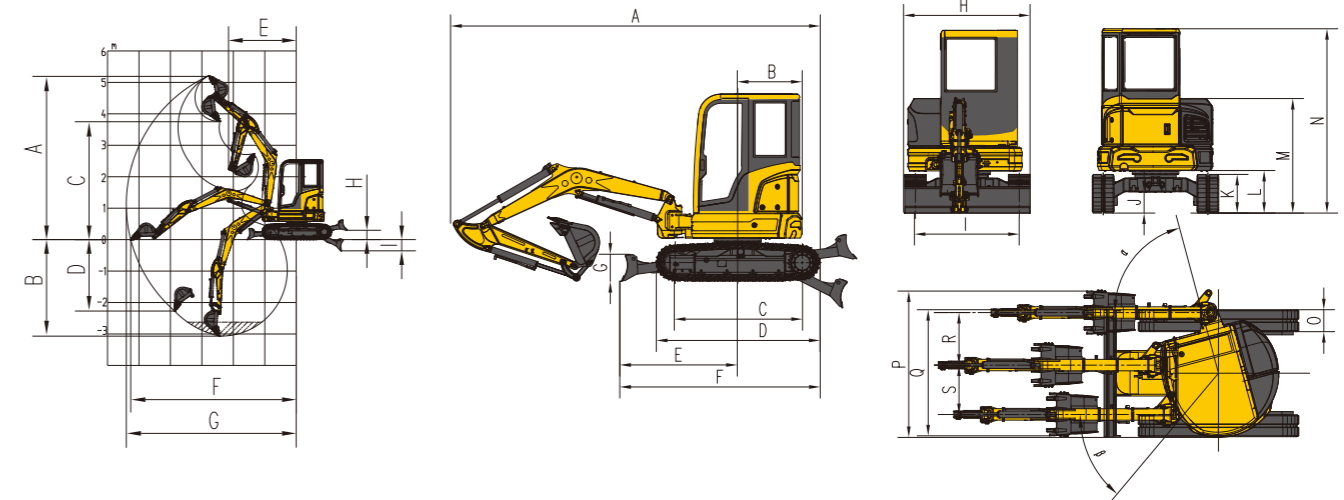
■ Cab • long arm (1600 mm) • standard counterweight • without bucket

Lift Point Height	Over front blade up/down				Over Side				Max Radius (mm)
	Lift At Max Radius (kg)	2.0 m	3.0 m	4.0 m	Lift At Max Radius (kg)	2.0 m	3.0 m	4.0 m	
4 m	752.6*		687.3*		752.6*		687.3*		3620
3 m	710.6/739.1*		718.2*		630.4*		718.2*		4388
2 m	625.3/750.8*		981.5*		555.2		981.5*		4763
1 m	600/773.6		1165.5*		532.3		1011.4		4860
0 m	618.8/799.1*	1371.2*	1132.2/1488.5*		548	1371.2*	979.8		4711
-1 m	707.7/830.2*	2132.6/2375.7*	1125.6/1405.4*		624.3	1762.8	973.7		4243
-2 m	822.2*	1612.4*			822.2*	1612.4*			3331



☺ : Over front
☹ : Over side or 360°

- The lifting capacity is based on the ISO10567 standard.
- * = The maximum lifting capacity is limited by the hydraulic capacity of the machine.
- 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.
- 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.
- The lift diagrams only covers machines that are originally built by XCMG; without lifting chains and any other lifting equipment.
- 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.



■ Working range

	XE35E
A	Maximum digging height-std. arm
B	Maximum digging height-long arm
C	Maximum digging depth- std. arm
D	Maximum digging depth- long arm
E	Maximum dumping height- std. arm
F	Maximum dumping height - long arm
G	Maximum vertical wall digging depth-std. arm
H	Maximum vertical wall digging depth-long arm
I	Minimum swing radius- std. arm
J	Minimum swing radius- long arm
K	Maximum digging reach at ground level- std. arm
L	Maximum digging reach at ground level- long arm
M	Maximum digging reach- std. arm
N	Maximum digging reach- long arm
O	Maximum dozer lifting height
P	Maximum dozer cutting depth

■ Dimensions

	XE35E
A	Over length
B	Tail slew radius
C	Tumbler length
D	Track length
E	Dozer blade, maximum reach at ground level
F	Undercarriage length
G	Dozer blade height
H	Overall width
I	Track gauge
J	Minimum ground clearance
K	Track height
L	Ground clearance of counterweight
M	Over all height of tank hood
N	Overall height
O	Track shoe width
P	Working width at maximum right-hand rotation
Q	Working width at maximum left-hand rotation
R	Maximum boom offset to the right
S	Maximum boom offset to the left
α	Maximum boom swing angle to the left
β	Maximum boom swing angle to the right

➤ Standard and Optional Equipment

■ Engine

Yanmar engine 3TNV88F, EU Stage V

■ Hydraulic system

Single or dual way pipeline (AUX1)
Dual way pipeline (AUX2)
Hydraulic quick coupler line
Fingertip proportional controls

■ Cab & interior

TOPS/ROPS
OPG
Adjustable seat
Wear-resistant textile suspension seat with retractable belt
Air conditioning
Color LCD monitor
AM/FM radio with Bluetooth
DAB radio with Bluetooth

■ Undercarriage

Fixed undercarriage
Dozer blade
Rubber tracks 300 mm
Steel tracks 300 mm
Track guards

■ Safety

Boom, arm, and dozer cylinder safety valves
Travel alarm
Rotating beacon
Engine overheat warning and restart prevention system
Quick coupler switch with alarm
Emergency stop switch
Front and top cab protection
LED work lights (2 on cab-front, 1 on cab-rear, 1 on boom)

■ Other

Long arm 1300 mm
General purpose bucket 0.061 m³ (600 mm)

Standard: ●
Optional: ○

• Some of this 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 subject to change without advance notice.
• Please contact your local XCMG dealer for more information on availability or to customize your machine to suit your applications requirements.





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

