



# Hydraulic Excavators **XE35U**



**XCMG MINING EQUIPMENT AUSTRALIA PTY LTD**  
Add:31-33 Westpool drive, Hallam, Vic,3803,Australia  
Phone: +61 0411 591 394  
Email: royrossini@xcmg.com  
xcmgaustralia@xcmg.com

**XUZHOU CONSTRUCTION MACHINERY GROUP IMP. & EXP.CO., LTD**  
Add:NO.1,Tuolanshan Road, Xuzhou Economic Developing Zone,Jiangsu,  
China 221004  
Tel: +86 (0) 516 8773 9228  
Fax: +86 (0) 516 8773 9230  
E-mail: royrossini@xcmg.com xcmgaustralia@xcmg.com

[www.xcmg.com](http://www.xcmg.com)

Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

HWA35-09-24-1

Rated Power: 22 kW  
Operating weight: 4.2 T  
Standard bucket capacity: 0.04-0.2 m<sup>3</sup>



**300+** Overseas Dealer

**2000+** Overseas Service Network

**40** Overseas Office

**30** Overseas Company

**15+** Overseas Manufacturing Base and KD Factory

**6** Global R&D Center



## 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.



## Compact Size with High Performance

### ► A Superior Model with Passionate Design

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

- The Yanmar 3TNV88 tier III high-power 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 XE35U combines power and smooth control with excellent stability. It will perform at its best in urban areas, demolition, roadworks, landscaping activities and much more.



#### In full control of your hydraulic system

The XE35U 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.



## Operational 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

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

## Easy Service Access

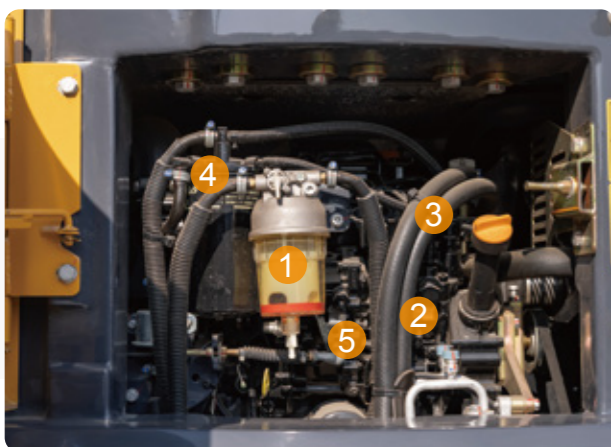
Daily checks and regular service points, including fuel and hydraulic oil fill, are easily reached via the tiltable cabin. Additionally, the main valves and hydraulic lines are easily reached through removable body panels.

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 XE35U 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

XE35U	
Make/model	YANMAR/3TNV88
Fuel/cooling	Diesel/Liquid, forced circulation
No. of cylinders	3
Piston displacement	1642 cm <sup>3</sup>
Power output	22 kW/2400 rpm (ISO 14396)
Max torque	98.5-107.2 N·m/1440 rpm
Bore × stroke	88 mm × 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

XE35U	
Type	Load-sensing axial-piston pump with variable displacement
Maximum system flow rate	108 L/min
AUX1 breaking flow	54 L/min
AUX1 two-way flow	54 L/min
AUX2 flow	54 L/min

### Maximum system pressure

XE35U	
Main system pressure	230 bar
Swing system pressure	200 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

XE35U	
Bottom rollers (per side)	4
Track shoes	Rubber
Overall track length	2200 mm
Shoe width	300 mm

## Weight

XE35U	
Operating weight with cab and bucket (ISO 6016)	4200 kg
Ground pressure with rubber tracks	0.36 kgf/cm <sup>2</sup>
Transport mass (no attachment)	4125 kg
Weight of steel tracks	448 kg
Weight of rubber tracks	292 kg

## Fluid capacities

XE35U	
Cooling system (radiator capacity)	8 L
Engine lubrication plus oil filter	7 L
Fuel tank	40 L
Hydraulic tank	45 L
Hydraulic system	60 L
Final drive case (each)	0.7 L

## Environment

Noise levels comply with environmental regulations (dynamic values).

### Noise emission

XE35U	
Noise level LpA (ISO 6396)	80 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

XE35U	
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

XE35U	
Travel speed (low - high)	2.2-3.6 km/h
Traction force	31.6 kN
Grade ability	30°

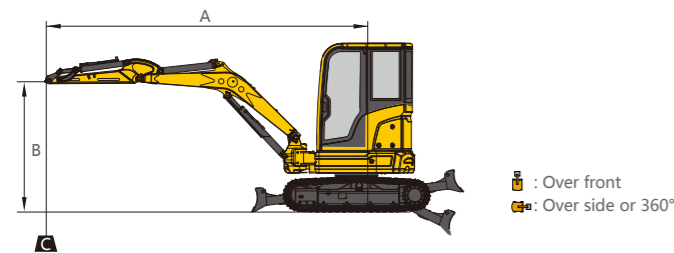
## Digging forces (ISO 6015)

XE35U	
Digging force, standard arm (ISO 6015)	20.3 kN
Digging force, bucket (ISO 6015)	28.6 kN

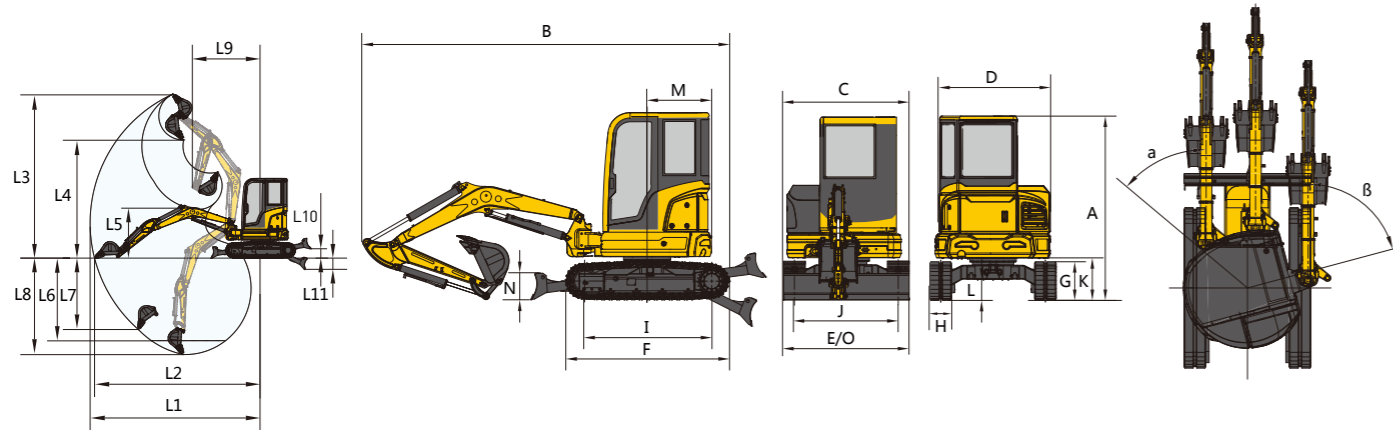
## XE35U

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

B	A	2.0 m		3.0 m		4.0 m		At Max.Reach		
		Ⓛ	Ⓞ	Ⓛ	Ⓞ	Ⓛ	Ⓞ	Ⓛ	Ⓞ	A
4.0 m	kg			*816.9	*816.9			*852.0	*852.0	3.337 m
3.0 m	kg			*830.1	*830.1	*806.8	724.1	*766.7	680.0	4.173 m
2.0 m	kg	*1957.3	1921.5	*1094.8	1061.6	807.1	714.3	*668.0	593.4	4.570 m
1.0 m	kg			1170.1	1016.5	789.4	697.2	643.5	568.8	4.672 m
0.0 m	kg	*1374.0	*1374.0	1145.2	922.9	784.7	685.1	666.9	591.1	4.502 m
-1.0 m	kg	2166.6	1794.8	1143.8	991.6	778.1	686.3	774.0	682.9	4.017 m
-2.0 m	kg	*1299.8	*1299.8					*778.9	*778.9	3.012 m



- 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

	XE35U	
L1	Maximum reach	5300 mm
L2	Maximum reach at GRP	5200 mm
L3	Maximum digging height	5000 mm
L4	Maximum unloading height	3600 mm
L5	Minimum unloading height	1560 mm
L6	8 ft. level floor digging depth	2589 mm
L7	Maximum vertical digging depth	2260 mm
L8	Maximum digging depth	3060 mm
L9	Minimum swing radius	2170 mm
L10	Maximum lifting height of dozer blade	305 mm
L11	Max. cutting depth of dozer blade	360 mm
a	Boom deflection angle (left)	75°
b	Boom deflection angle (right)	50°

### Dimensions

	XE35U	
A	Over length	2550 mm
B	Overall length	4970 mm
C	Overall width	1740 mm
D	Upper structure width	1586 mm
E	Chassis width (extended/retracted)	1740 mm
F	Track length	2200 mm
G	Track height	537 mm
H	Standard track shoe width	300 mm
I	Track wheelbase	1721 mm
J	Track gauge (extended/retracted)	1440 mm
K	Counterweight ground clearance	587 mm
L	Minimum ground clearance	297 mm
M	Tail swing radius	870 mm
N	Dozer blade height	367 mm
O	Dozer blade width (unfolded/folded)	1740 mm

### Work Equipment

2.56 m Boom	●
1.35 m Arm	●

### Other Equipment

0.56 T Counterweight	●
Manual centralized lubrication system	●

### Cabin

Cab	●
Mechanical suspension seat	●
Cab front upper-guard	○
Cab top-guard	○
AM/FM bluetooth radio	●
DAB bluetooth radio	○

### Undercarrige

Rubber track	●
300 mm double grouser shoes	○

### Attachments

Miller hydraulic quick coupler (CE)	○
Side type hydraulic hammer	○
Top type hydraulic hammer	○
Top and Silence type hydraulic hammer	○
General duty bucket 1: capacity 0.12 m <sup>3</sup> , width 587 mm, weight 94 kg	●
General duty bucket 2: capacity 0.06 m <sup>3</sup> , width 427 mm, weight 71 kg	○
General duty bucket 3: capacity 0.04 m <sup>3</sup> , width 300 mm, weight 65 kg	○
General duty bucket 4: capacity 0.06 m <sup>3</sup> , width 450 mm, weight 82 kg	○
General duty bucket 5: capacity 0.09 m <sup>3</sup> , width 600 mm, weight 100 kg	○
Ditch cleaning bucket 1: capacity 0.098 m <sup>3</sup> , width 600 mm, weight 83 kg	○
Ditch cleaning bucket 2: capacity 0.2 m <sup>3</sup> , width 1200 mm, weight 158 kg	○
Tilt bucket 1: capacity 0.20 m <sup>3</sup> , width 1200 mm, weight 151 kg	○
Ripper 36 kg	○
120 kg additional counterweight	○
200 kg additional counterweight	○

### Hydraulics

Auxiliary piping (single/double-acting, switchable)	●
Auxiliary piping (double way)	●
Quick-coupler piping	●
Boom cylinder safety valve	●
Arm cylinder safety valve	●
Left electric proportional joystick	●
Right electric proportional joystick	●

### Electric

Front 2, back 2	●
Rotating warning beacon	●
Travel alarm	●
Displayer languages: Chinese, English, Russian, Portuguese, Spanish, French, Italian, German, Turkish	●

Standard: ●  
Optional: ○

# Optimum Services, XCMG Guaranteed



XCMG-approved attachments



Genuine parts



Extension of warranty



Financial solutions



Maintenance contract



Telematics

## Professional Integrated Complete Solutions

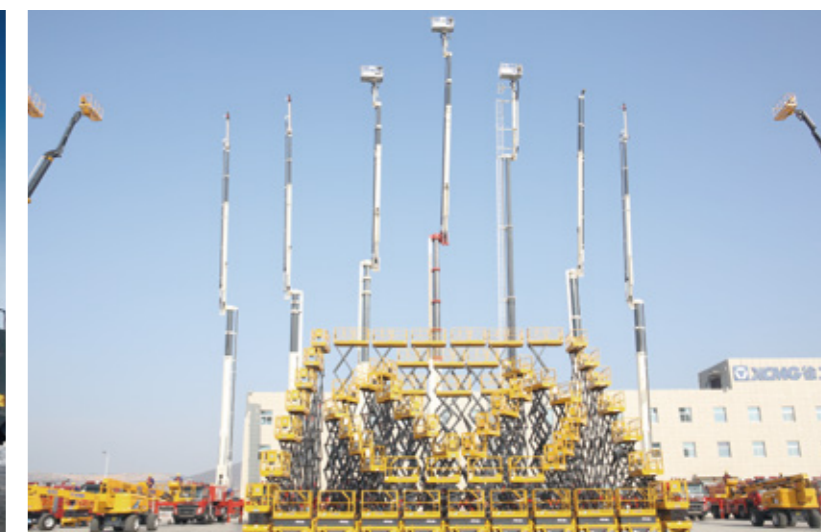
The XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery. What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all customers.

## 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

