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Mini Excavators
XE35E



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Rated Power: 18.2 kw
Operating Weight: 3.775 t
Standard Bucket Capacity: 0.12 m³





Higher performance in compact size

Complete confidence for you in tightest of applications

> A superior model with passionate design

Developed with the concept of "Safe reliable efficient comfortable", the XE35E 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 electronic optimization of the hydraulic system provide 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 service features make maintenance easy, reducing your downtime.

Zero-tail Swing

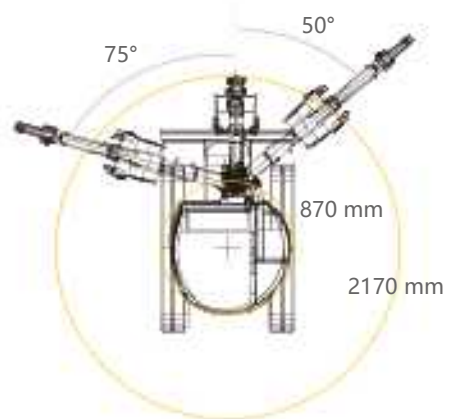
makes the XE35E an advanced mini excavator. The 360° swivel, excellent stability and smooth control, combined with unmatched power and efficiency, mean there are no limits to what you can accomplish — even in heavy traffic areas and inside buildings.

Optimized efficiency

contributes to lower costs, increased productivity and maximum uptime, a number of efficient features combined on the XE35E. ECO mode allows you to choose the right machine setting for the job at hand for impressive fuel efficiency. Robust design and quality digging equipment deliver durability and long term machine value.

Engine speed knob

allows easy engine control.



Most compact one than ever.



Auxiliary Hydraulics as Standard Fit with two way lines

and quick disconnect fittings are standard. Connections are located close to the tool to reduce hose lengths and any potential damage. Hoses are protected by routing them through the boom.

Extending Undercarriage and Blade

allow the machine to be configured for excellent working stability and optimum performance. Blade extensions simply rotate and lock out of the way using retained pins eliminating the potential for lost parts.



Productive comfort

Superior comfort to keep you productive throughout the work day

> Large operator environment with ergonomic control layout

The XE35E gives the operator a large comfortable space in which to work. The ergonomic control layout, travel pedals and adjustable wrist rests are engineered to reduce operator fatigue and increase productivity.



- 1 Suspension seat
- 2 Boom swing pedal
- 3 Rest pedal
- 4 Safety lever
- 5 Dozer blade control lever
- 6 LCD color monitor
- 7 Joystick
- 8 Traveling control levers
- 9 Emergency switch



Serviceability

The fully opening access provides quick&easy access to all inspection and maintenance

Simplest and easiest way to work

The status and condition of all components can be seen at a glance. The convenient and easy serviceability are really impressive. The most advanced technology developed by XCMG German research center was integrated into the XE35E excavator for powerful performance and simple, easy maintenance.



Excellent Service Access

Daily checks and regular service points including fuel and hydraulic oil fill are easily reached via the large steel rear door. 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 and helping to maintain the machine's appearance and value.



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



Technical Specifications

Engine

XE35E	
Make/model	YANMAR 3TNV88F
Fuel/cooling	Diesel/Liquid, forced circulation
No. of cylinders	3
Piston displacement	1642 cm³
Nominal flywheel power	18.2 kw (24.7 hp) at 2200 rpm (ISO 14396)
Max torque	85.3-94.2 Nm/1320
Bore × stroke	88 mm × 90 mm
Alternator	12 V / 40 A

Hydraulic system

This original design enables both independent and combined operations of all functions, joystick control type operations.

Pump

XE35E	
Type	Single outlet variable displacement, load sensing torque limited pump with gear pumps
Total hydraulic capacity	108 l/min
Auxiliary flow	40 l/min
Auxiliary relief 1/2	150/270 bar

Maximum system pressure

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

Undercarriage

Tractor-type undercarriage. Heavy-duty track frame, all welded stress-relieved structure. Top-grade materials are used for toughness. Side frames are welded, securely and rigidly, to the track frame. Lifetime-lubricated track rollers, idlers with floating seals. Hydraulic track adjusters with shock-absorbing recoil springs.

Number of rollers and track shoes

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

Weight

XE35E	
Operating weight with cab and bucket (ISO 6016)Track shoes	3775 kg
Ground pressure with rubber tracks	0.32 kgf/cm²
Transport mass (no attachment)	3715 kg
Weight of steel track	224 kg
Weight of rubber track	172 kg
Additional weight for long arm	19 kg

Fluid capacities

XE35E	
Cooling system (radiator capacity)	8 L
Engine lubrication plus oil filter	7 L
Fuel tank	40 L
Hydraulic tank	45 L
Hydraulic system	39.7 L
Final drive case (each)	0.7 L

Environment

Noise levels comply with environmental regulations (dynamic values).

Noise emission

XE35E	
Noise level LpA (EU Directive 2000/14/EC)	76 dB(A)
Noise level LwA (EU Directive 2000/14/EC)	94 dB(A)

Swing mechanism

High-torque, axial piston motor with planetary reduction gear bathed in oil. Swing circle is single-row, shear type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant. A two position swing lock secures the upper structure for transportation.

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 counterrotation upon demand.

Speed & traction

XE35E	
Travel speed (low - high)	2.2-3.6 km/h
Traction force	3160 kgf
Gradeability	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
Drawbar pull	34 kN

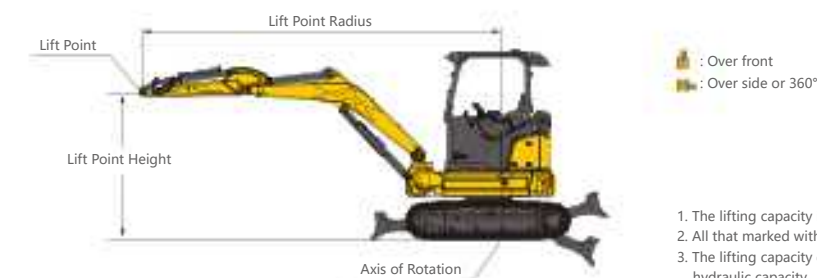
XE35E

■ Standard arm (1350 mm)•standard counter weight• bucket

Lift Point Height	Over Front				Over Side				Lift Point Height
	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	856.4*		820.4*		740.7		820.4*		3337
3 m	626.1		833.9*	668.5	533.3		833.9*	569.3	4173
2 m	543.1	1905.7	998.7	658.2	462.8	1520.4	837.7	560.0	4570
1 m	519.3		952.7	641.3	442.0		794.8	543.8	4672
0 m	540.1	1357.5*	929.2	629.4	458.7	1357.5*	772.4	532.8	4502
-1 m	627.5	1722.1	928.7	630.8	530.7	1399.9	771.1	533.3	4017
-2 m	787.6*	1314.3*			787.6*	1314.3*			3012

■ Long arm (1600 mm)•standard counter weight• bucket

Lift Point Height	Over Front				Over Side				Lift Point Height
	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	753.7*		687.4*		654.2		687.4*		3620
3 m	570.4		718.4*	659.4	489.2		718.4*	565.1	4388
2 m	499.0		982.9*	646.0	427.5		835.0	552.3	4763
1 m	477.0		935.5	625.5	407.8		784.6	532.5	4860
0 m	491.2	1371.2*	903.0	609.6	419.1	1351.2	754.0	517.2	4711
-1 m	562.6	1705.2	896.7	606.2	478.3	1360.7	748.0	514.0	4243
-2 m	791.6	1619.9*			666.8	1392.0			3331



1. The lifting capacity is in accordance with ISO10567:2007.
2. All that marked with (*) refers to the lifting capacity limited by the hydraulic capacity.
3. The lifting capacity displayed should not exceed 75% of the minimum tipping amount or 87% of the hydraulic capacity.



■ Working range

	XE35E
A	Maximum digging height-std arm
	Maximum digging height-long arm
B	Maximum digging depth- std arm
	Maximum digging depth- long arm
C	Maximum dumping height- std arm
	Maximum dumping height - long arm
D	Maximum vertical wall digging depth-std arm
	Maximum vertical wall digging depth-long arm
E	Minimum swing radius- std arm
	Minimum swing radius- long arm
F	Maximum digging reach at ground level- std arm
	Maximum digging reach at ground level- long arm
G	Maximum digging radius- std arm
	Maximum digging radius- long arm
H	Maximum dozer lifting height
I	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 engine hood
N	Overall height

▶ 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
Proportional joysticks control

■ Canopy

TOPS/ROPS/OPG Canopy
Adjustable mechanical suspension seat
Colorful LCD monitor

■ Undercarriage

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

■ Safety

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

■ Other

Standard arm 1350 mm
GP bucket 0.12 m³
Long arm 1600 mm
Narrow bucket 0.06 m³
Quick coupler, attachments such as hammer

Standard: ●
Optional: ○

Some of these options may be standard in some markets. Some of these options may not be available for certain markets. Please check with your local XCMG dealer for more information about availability or to adapt your machine to your application needs.

Optimum services , XCMG Guaranteed



XCMG approved attachments



Genuine parts



Extension of warranty



Financial solutions



Maintenance contract



Telematics



Monitoring systems

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 users.

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.



XCMG Global Spareparts System



Mobile cranes



Excavators



Aerial work platforms



Wheel loaders



Road machinery

