

XCMG FOR YOUR SUCCESS

XE27U

Hydraulic Excavator

Operating weight: 2,880kg

Rated power: 15.4kw/2,400rpm

Bucket capacity: 0.06m³



More Reliable and Durable

The standard TOPS/ROPS cab meets OPG safety requirements with optional front guards, ensuring the strength of the cab while improving the operator's vision. The mechanical suspension seat, with standard retractable safety belt, improves the operator's operational safety.

The parts with high stress on the boom and arm are partially strengthened, meantime, the structure is adjusted to disperse the stress and improve the service life.

Equipped with an automatic two-speed motor, which can automatically switch the walking speed according to road conditions.

The working pipelines and wiring harnesses are built into the boom, making them well protected and increasing the service life. The short-tail design ensures the operation in narrow working conditions.

Auxiliary pipelines are provided as standard to meet diverse construction needs.



Working Conditions

Widely used in landscaping, vegetable greenhouses, farmland and orchards, water supply, household gas pipelines installation, house remodeling, basement construction, etc.

More energy-saving and environment-friendly

Equipped with an engine that meets China III/Euro V/North American T4F emissions, which featured with strong power, energy saving and environmental protection, high reliability and excellent performance

The core hydraulic parts adopt the latest technological achievements, with low energy consumption, quick response, precise control and small impact, which can maintain strong digging capacity and excellent working efficiency. The engine and the hydraulic system are perfectly matched to ensure that the engine works in the best fuel consumption area, improve the fuel utilization and save the cost. The new hydraulic system provides sufficient flow for each working device, and the working efficiency is high.

More Comfortable and Safe

The new designed arm rests, cup holder, etc., maximize the comfort and convenience while operating.

The new designed reversible armrest box can increase the size of the passage.



More Efficient Return

With a compact short tail design, it can work in narrow working conditions without worrying about the tail hitting obstacles. The left and right boom swing angle is respectively 75° and 55°, which can cooperate with the upper structure to realize the compound operation. By cooperating with the swing function of the upper structure, the excavation parallel to the wall can be realized in a narrow space. The new color 7" LCD screen meets the requirement of the ergonomics and can realize rapid switching of different modes. The system can provide 8 languages for the operators' choice, with complete instrument information display, more automatic control functions, intelligent diagnosis of fault causes, and has reminder of maintenance information and fuel filling, which can effectively shorten the maintenance time.

One set of auxiliary pipeline is equipped with cut-off valve at the end, which can realize the rapid switching of attachments and meet the use requirements of different attachments under various complex working conditions.



More Efficient Return

After opening the hood, the maintenance of the fuel filter and the oil filter is reachable on ground level. The oil checking and filling are extremely convenient.



For diversified construction conditions, we provide customers with

Multifunctional equipment with reliable quality and advanced performance

Greatly expanding the functions and fully extending the operation scope of the excavator, continuously to create more value and super high profit for you

Side jack hammer



Application: Cement road and concrete fragmentation, building demolition

Olecranon shear



Application: Dismantling of scrapped and heavy vehicles, steel structures such as steel plants, metals, ships, and bridges

Compactor



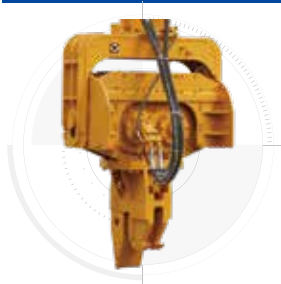
Application: Highway slope protection, Consolidation of dams and ditches

Quick coupler



Application: Quickly coupled with XCMG diversified attachments

Pile driver



Application: Medium and short pile projects for bridges, cofferdams wharfs and deep foundation pit support

Orange peel grab



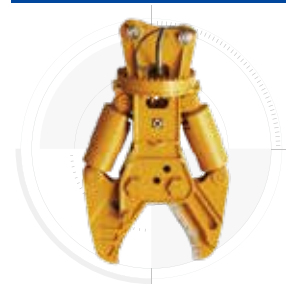
Application: Loading and dumping of irregular and bulky materials such as scrap iron, pig iron, ore, garbage, etc

Pulverizer



Application: Secondary crushing of concrete and separation of steel and concrete

Double cylinder shear



Application: Abandoned factory buildings, dismantling and other projects

Hydraulic grapple



Application: Special equipment for loading and dumping wood and stone

Hydraulic pilers



Application: Grabbing of construction waste, stone, wood and other materials

Hydraulic shear



Application: Special equipment for dismantling scrapped cars and renewable resources

Top side hammer



Application: Mines, road crushing, municipal garden renovation, building demolition, reinforced concrete crushing, etc

Customization

Engine	
Engine model	D1105
Emission levels	China III
Automatic preheating	√
Air filter	√
Oil-water separator	√
Air filter dual elements	√
Concentric cylinder oil filter	√
Concentric cylinder fuel main filter	√
Fan guard	√
Radiator auxiliary tank	√
Alternator (40A)	√

Hydraulic system	
Pilot filter	√
Hydraulic oil suction filter	√
Energy container	√
Hydraulic oil ISO VG46	√
Hydraulic pipeline	√
Hydraulic oil ISO VG32, 68	◉
Spare valve plate	√

Safety and security configuration	
Cabins and entry locks	√
Alarm horn	√
Travel parking brake	√
Swing parking brake	√
Battery disconnect switch	√
Hydraulic safety locking lever	√
Rear view mirrors of left and right	√
Front work light	√
Counterweight reflector	√
Tip-over protection mechanism	√
Rollover protection mechanism	√
Driver protection mechanism	◉

Chassis system and shield	
Track tension	√
Towing eye on base frame	√
300mm rubber track	◉
sealing plate of traveling motor	√
Dozer	√
Carrier roller and track roller	√

Light	
Work lights on boom	√

Counterweight	
Counterweight	√

Cab and interior	
AM-FM radio with digital display	√
All-weather soundproof steel cab	√
Cub holder	√
Two stereo speakers	√
Engine key switch	√
Escape hammer	√
Fire Extinguisher holder	√
Fire Extinguisher	◉
Front window washer	√
Washable floor mats	√
Footrests	√
Mechanical suspension seat	√
Openable front upper windscreen	√
Removable front lower windscreen	√
Tempered glass sliding doors and windows	√
Intermittent windscreen wipers	√
Safety belts	√
Joystick	√
Travel pedals with detachable manual levers	√
Coat hook	√
2-speed shift	√
Warm air system	√
Backup power supply	√
Cigarette lighter	◉
Top skylight	√
Cab interior light	√
File pocket	√
Rear view mirror	√
LCD monitor	√

Working Device	
2.09m Boom	√
1.30m Arm	√
0.06 m³(ISO full bucket)	√
Quick coupler	◉
Breaker	◉

Electric system	
Storage battery (1x60Ah)	√
Starting motor (1.4kW)	√
Cigarette lighter (12V)	◉
Power outlet (12V)	√
Engine cooling water temperature display	√
Fuel level display	√
Engine speed display	√
Operating hour meter	√
Engine oil pressure, engine overheat alarm	√
Charge indication	√
Air filter clogging alarm	√
Engine warm-up indication	√

√- Standard ◉- Optional

Product Specifications	Unit	XE27U
Operating weight	kg	2,880
Bucket capacity	m ³	0.06
Engine		
Engine model	/	D1105
Direct injection	/	-
4 strokes	/	√
Water cooled	/	√
Turbocharged	/	-
Number of cylinders	/	3
Engine rated power (GB/T 17692)	kw/rpm	15.4/2,400
Maximum torque/rpm	N.m	70.3/1,600
Displacement	L	1.123
Main performance		
Travel speed	km/h	3.6/2.1
Swing speed	r/min	10
Gradeability	°	≤30
Ground pressure	kPa	27.2
Bucket digging force	kN	23
Arm digging force	kN	14
Maximum traction force	kN	29.7
Boom offset (Left)	°	75
Boom offset(Right)	°	55

Product Specifications	Unit	XE27U
Hydraulic system		
Rated flow of main pump	L/min	82.8
Main safety valve pressure	MPa	24.3
Travel system pressure	MPa	24.3
Swing system pressure	MPa	23
Pilot system pressure	MPa	3.5
Oil capacity		
Fuel tank capacity	L	33
Hydraulic oil tank volume	L	22
Engine oil capacity	L	5.1
Standard		
Boom length	mm	2,090
Arm length	mm	1,300
Bucket capacity	m ³	0.06

Product Specifications	Unit	XE27U
Overall dimensions		
a Overall length	mm	4,190
b Overall width	mm	1,500
c Overall height	mm	2,580
d Width of platform	mm	1,350
e Track length	mm	1,980
f Overall width of undercarriage	mm	1,500
g Track width	mm	300
h Tumbler distance	mm	1,560
i Track gauge	mm	1,200
j Counterweight clearance	mm	535
k Minimum ground clearance	mm	290
l Minimum tail swing radius	mm	790
m Track height	mm	475

Product Specifications	Unit	XE27U
Working scope		
A Maximum digging height	mm	4,390
B Maximum dumping height	mm	2,800
C Maximum digging depth	mm	3,120
D Maximum vertical wall digging depth	mm	2,310
E Maximum digging radius	mm	1,980
F Minimum swing radius	mm	4,750
G Maximum lifting height of bulldozer	mm	330
H Bulldozer maximum digging depth	mm	300

