



Easy Access for Maintenance

► Easy Service Access

The XE27U was developed with particular attention to ease of service access. With a single access point for the daily maintenance of all main components, fuel level gauge, and refueling through the lockable cap.



One-sided Engine Maintenance

The XE27U is designed for lower maintenance costs 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 Water separator
- ② Air cleaner
- ③ Engine oil filter
- ④ Fuel filter



Technical Specifications

■ Engine

	XE27U
Make/model	Kubota/D1105/EU Stage V
Fuel/cooling	Diesel/Liquid/forced circulation
No. of cylinders	3
Piston displacement	1123 cm ³
Power output	15.4 kW [20.9 hp] / 2400 rpm (ISO 14396)
Max torque	70.3 N.m/1600 rpm
Bore × stroke	78.0×78.4 mm
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

	XE27U
Type	Load-sensing axial-piston pump with variable displacement
Maximum system flow rate	82.8 L/min
AUX1 & AUX2 maximum flow rate	25/7 L/min
AUX1/AUX2 standard relief pressure	180/180 bar

• Maximum system pressure

	XE27U
Boom	243 bar
Arm / bucket / travel	243bar/243 bar/190 bar
Swing	162 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

	XE27U
Bottom rollers (per side)	3
Track shoes	Rubber
Overall track length	1980
Shoe width	300

■ Fluid capacities

	XE27U
Cooling system (radiator capacity)	6.5 L
Engine lubrication plus oil filter	5.1 L
Fuel tank	33 L
Hydraulic tank	22 L
Hydraulic system	40

■ Environment

Noise levels comply with environmental regulations (dynamic values).

• Noise emission

	XE27U
Noise level LpA (ISO 6396)	79 dB(A)
Noise level LwA (ISO 6395)	93 dB(A)

■ Swing mechanism

A high-torque, axial piston motor with a planetary reduction gear bathed in oil. The swing circle is a single-row, shear-type ball bearing with an induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Equipped with an automatic multi-disc slew brake.

• Swing system

	XE27U
Boom swing, left	75°
Boom swing, right	55°
Slew rate	10 rpm

■ Drive

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

• Speed & traction

	XE27U
Travel speed (low - high)	2-3.1 km/h
Traction force	29.7 kN
Gradeability	30°

■ Digging forces (ISO 6015)

	XE27U
Digging force, long arm (ISO 6015)	14 kN
Digging force, bucket (ISO 6015)	23 kN

■ Weight

	XE27U
Operating weight with canopy/cab and bucket (ISO 6016)	2680/2780 kg
Ground pressure with rubber tracks	25.5/26.4 kPa
Transport mass (no attachment)	2650 kg
Weight of steel tracks	200 kg
Weight of rubber tracks	134.5 kg

