ENGIRISE

EXCAVATOR

Model Name: EN500

POWER MEETS PRECISION.
BUILT FOR THE TOUGHEST JOBS.

Implementation Details:

The **EN500 – 50 Ton Crawler Excavator** is a powerhouse built for heavy-duty performance. Its **280 kW Cummins QSM11 engine and dual hydraulic system** deliver high torque, smooth control, and unmatched digging power. Built with high-strength steel, it ensures durability, low downtime, and maximum productivity on every site.

Engineered for comfort and efficiency, the **EN500** features a **vibration-free cab, panoramic visibility, and an intelligent LCD display** for real-time monitoring. Its smart fuel system boosts efficiency, cuts emissions, and supports multiple attachments and modes, making it a versatile choice for every construction challenge.

Key Advantages:

01

Operator Comfort:

Spacious, vibration-damped cab with ergonomic controls and panoramic visibility.

02

Powerful Performance:

Equipped with a 280 kW Cummins QSM11 engine for exceptional digging force and torque.

03

High Efficiency:

Advanced dual hydraulic system ensures smooth, fast, and energy-saving operation.

04

Durable Construction:

Reinforced high-strength steel frame provides long-lasting durability and stability.

05

Fuel & Eco Efficiency:

Smart fuel management system reduces fuel consumption and emissions.

06

Versatile Operation:

Compatible with multiple attachments like breakers, grabs, and rippers for diverse job applications.

Key Performance Parameters

Performance parameters are measurable indicators used to evaluate how efficiently a system or process operates, helping identify strengths and areas for improvement.

Category (Model- EN500)	MODEL & Unit
Operating Weight	48 T
Bucket Capacity	2.3 m³
Engine Model	Cummins QSM11
Rated Power	280 / 2100 kW/rpm
Max. Displacement	360 × 2 L/min
Working Pressure	34.3 Mpa
Hydraulic Pump Model	KSV200DT
Hydraulic Tank Volume	335 L
Walking Speed (High/Low)	4.9 / 2.7 km/h
Swing Speed	8.9 r/min
Gradeability	35°
Bucket Digging Force	-KN
Arm Digging Force	256 KN
Ground Specific Pressure	88.5 KN
Traction Force	368 KN

Operating Range

Parameter	Value (mm)
Maximum Excavation Height	10,680
Maximum Dumping Height	7,428
Maximum Excavation Depth	7,300
Maximum Vertical Arm Mining Depth	—
Maximum Excavation Distance	11,540
Maximum Excavation Distance on Ground	11,325
Minimum Turning Radius	5,015
Maximum Height at Minimum Turning Radius	9,295

Overall Dimensions

Parameter	Value (mm)
Total Length	12,260
Overall Width	3,490
Total Height (Boom Top)	3,755
Overall Height (Cab Top)	3,280
Counterweight Ground Clearance	1,269
Minimum Ground Clearance	722
Tail Turning Radius	3,735
Track Grounding Length	4,360
Track Length	5,388
Track Gauge	2,890
Track Width	3,349
Track Shoe Width	600
Turntable Width	3,045
Arm Length	2,900
Boom Length	7,060

Below are the recommended product for EN500 is engineered to deliver optimal performance and safety, fully complying with the standard's technical specifications and operational requirements

About Us

Founded in 2014, Engirise is a global manufacturer delivering industrial machinery that powers industries worldwide. Our mission is to redefine industrial solutions through innovation, quality, and customer success.

Driven by engineering excellence, we empower industries to build smarter, safer, and more sustainable futures.

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