

WHEEL LOADER

Model Name: WL50

STRENGTH, STABILITY, AND SMART PERFORMANCE

Features Provided:

A

High Performance, Maximum Torque

- 01 Equipped with a low-speed, high-torque diesel engine delivering exceptional power and efficiency.
- 02 Handles heavy, medium, and light-duty applications with ease, maintaining strong traction and stability.
- 03 A breakout force of approximately **145 kN** ensures fast digging and high loading capacity even in dense materials.

B

Efficient Hydraulic Intelligence

- 01 Dual-pump, flow-sharing hydraulic system automatically adjusts pressure and oil flow to match workload demand.
- 02 Enhances fuel efficiency and shortens working cycles, saving time and operating costs.
- 03 Smooth control response provides precision for fine operations like loading, grading, and dumping.

C

Robust & Durable Design

- 01 Heavy-duty frame and reinforced loader arms built to withstand high-impact conditions.
- 02 Durable, large-profile tires designed for African terrains — from rocky quarries to sandy construction zones.
- 03 Easy-access engine compartments simplify maintenance and daily checks.

D

Operator Comfort & Safety

- 01 Ergonomic cab design with a wide field of vision and excellent sealing against dust and noise.
- 02 Equipped with a comfortable, adjustable seat and user-friendly control layout.
- 03 Safety enhancements include flame and spark arresters for use in high-risk areas such as mining or demolition.
- 04 Vibration and heat isolation ensure long hours of comfortable operation.

Key Specifications & Parameters :

Specification: WL50 Wheel Loader

Rated Load: 5,000 kg

Operating Weight: ≈ 16,500 kg

Overall Dimensions (L × W × H) : 7,600 mm × 3,000 mm × 3,350 mm

Bucket Width : 3,000 mm

Wheelbase / Tread: 2,760 mm / 2,250 mm

Max. Dump Height: 3,180 mm

Max. Dumping Distance : 1,250 mm

Max. Breakout Force : 145 kN

Max. Climbing Gradient: 28°

Turning Radius (Outside of Bucket) : 6,650 mm

Gear Speed (Forward 1) : 11.5 km/h /

Gear Speed (Forward2): 38 km/h

Reverse Speed: 16 km/h

Hydraulic Lifting Time: ≤ 6.8 s

Total Hydraulic Cycle Time : ≤ 12.5 s

Tyre Size : 23.5-25

Engine : Weichai / Cummins

Rated Power : 162KW/2200r/min

Fuel Tank Capacity: 250 L (approx.)

Turning Angle : 35°± 1°

Max. Torque : 745.3N.m



Key Metrics

Overview :

The **WL50 Wheel Loader** is a true powerhouse built to tackle the toughest earthmoving, quarrying, and construction challenges. With a rated capacity of 5 tons and a 3 m³ bucket, it perfectly balances strength, precision, and efficiency. Designed for demanding job sites, the WL50 delivers consistent, reliable performance — from large-scale roadworks to intensive mining operations — ensuring productivity where it matters most.

WL50

WHEEL LOADER

Strength, Stability, and Smart Performance



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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