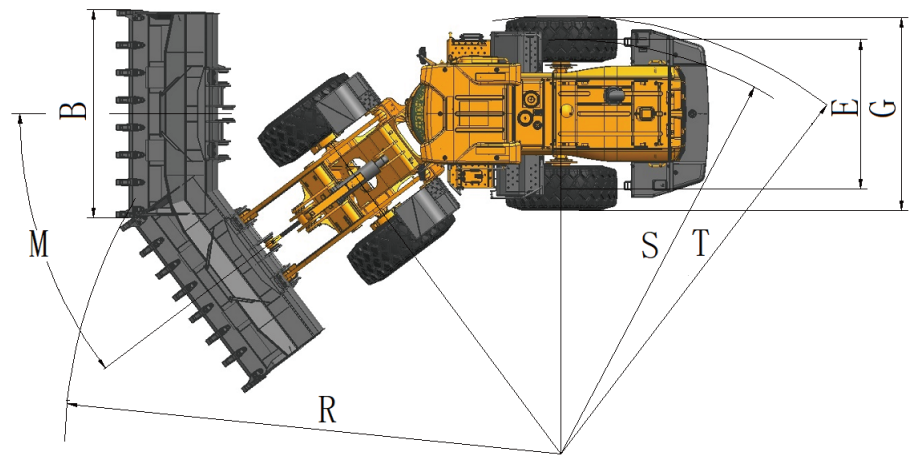
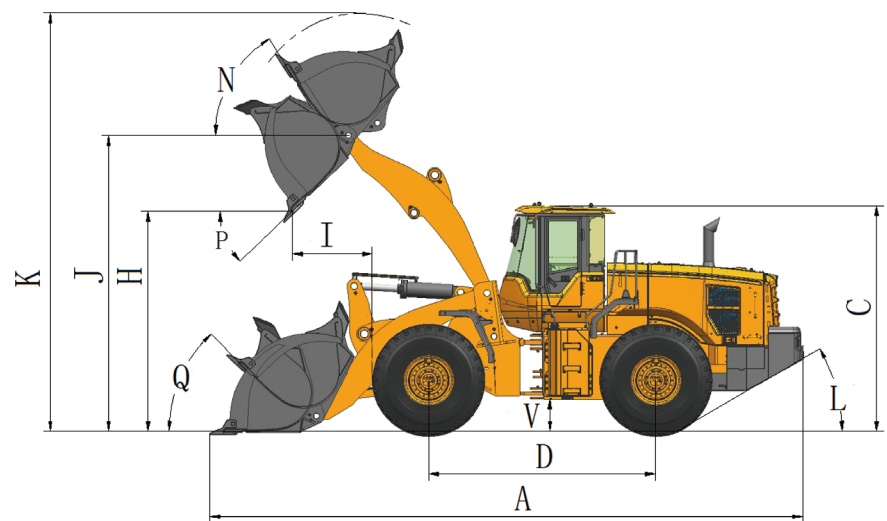


03 Product Specification



| | | | | | |
|---|--------------------------|------|---|---|---------|
| A | Overall Length, mm | 8590 | K | Maximum Lifting Height, mm | 5690 |
| B | Overall Width, mm | 2980 | L | Angle of Departure, ° | 29 |
| C | Overall Height, mm | 3420 | M | Steering Angle, ° | 37 |
| D | Wheelbase, mm | 3350 | P | Angle of Discharge, ° | 44 |
| E | Track Width, mm | 2150 | Q | Transport Angle, ° | 49 |
| H | Dumping Height, mm | 3100 | R | Turning Radius (Outer Side of Bucket), mm | 7140±50 |
| I | Dumping Distance, mm | 1130 | S | Turning Radius (Center of Tire), mm | 6070±50 |
| J | Maximum Hitch Height, mm | 4190 | T | Outer tire turning radius, mm | 6460±50 |
| | | | V | Ground Clearance, mm | 440 |



WE AIM AT CUSTOMERS' SATISFACTION

Lovol Heavy Industry, a wholly state-owned subsidiary under WEICHAI Holding Group, was established in 2004. It currently possesses "three manufacturing bases and two innovation centers" .

Lovol Heavy Industry's business is one of the six core business segments of WEICHAI Group. Its products cover four main categories including excavators, loaders, off-highway mining trucks, and backhoe loaders. The R&D, production, and sales center of excavators, loaders, and backhoe loaders is located in Qingdao, covering an area of over 900 acres. The R&D and production center of off-highway mining trucks is located in Yangzhou, Jiangsu, covering an area of over 300 acres. Lovol Heavy Industry has gradually developed into a global leader in intelligent construction solutions by providing customers with intelligent products, equipment interconnection, intelligent construction, new energy products, and scenario solutions.



Official Website



Facebook

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Website:en.wlovol.com

Z20250709-1

Information of Lovol Heavy Industry Agents

⌚ As manufacturer, LOVOL has right to constantly upgrade and improve our products without informing to customers.
⌚ The pictures in literatures are for reference only, the detailed specifications are subject to real products.

LOVOL



Engine:
WEICHAI WP10G220E343

Rated Power:
162kW/2000rpm

Total Machine Weight:
17540kg

Standard Bucket Capacity:
3.3m³

FL956K

LOADER

Technical specifications and designs are subject to change without notice and additional equipment may be installed on the supplied machines.

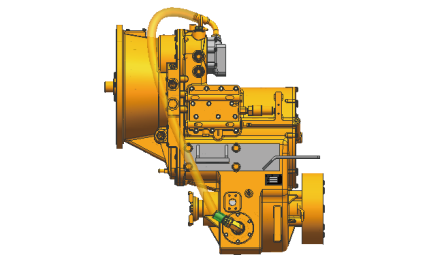
Core Configuration Weichai WD10 Tier III Engine + Power shift planetary transmission + Coaxial flow amplification hydraulic system, Dual-pump confluence, Pilot control.



Power System

Weichai WD10 Tier III engine, with high torque, strong power, and high tractive force.

Customize and develop an exclusive performance curve and a dedicated fuel map, enabling a more perfect coordination between the engine and the transmission system. This can enhance economy and responsiveness, and reduce fuel consumption.

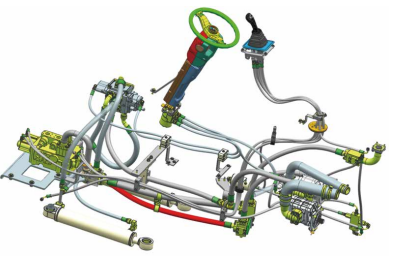


Transmission System

The power-shift planetary transmission, equipped with an enhanced overrunning clutch, offers more reliable performance.

Reinforced Dry-Type Axle with high-load-capacity housing, enlarged gear module, thickened cross shaft, and enhanced reliability.

The front drive shaft features independent support and end-face gear coupling, while the rear drive shaft utilizes wing-type flange connections, offering high load capacity and superior reliability.



Hydraulic System

The coaxial flow steering amplifier system provides greater stability and reliability in steering.

Dual-pump convergence ensures reliability and efficiency; pilot control delivers excellent fine maneuverability.

The 24-degree cone plus "O"-ring sealing technology provides better pipeline sealing.

Reinforced Machine Body
Efficient And Reliable

Front and Rear Frame

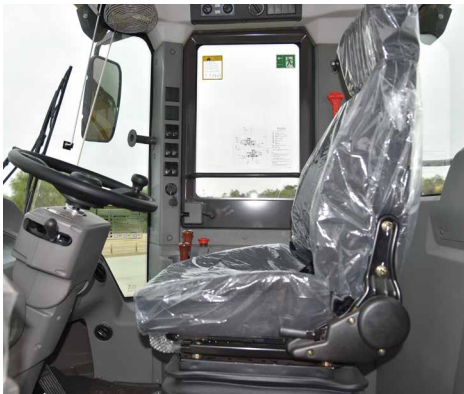
- Center-articulated front/rear frames with long wheelbase; Front frame with wide-opening structure, optimized for heavy-duty applications.
- The guide plates on the bucket protect the front glass of the cab and various pivot points during unloading.
- A variety of attachments are available, including enlarged buckets, log grapples, hay grapples, forks, and more.
- K-generation counterweight structure with integrated rear combination lamps, delivering enhanced aesthetics and safety.



Working Device

- The main articulation points of the working equipment and the swinging frame of the rear axle are equipped with 20GrMnTi honeycomb self-lubricating bushings, resulting in a longer service life and longer maintenance intervals.
- The guide plates on the bucket protect the front glass of the cab and various pivot points during unloading.
- A variety of attachments are available, including enlarged buckets, log grapples, hay grapples, forks, and more.

K-series Cab Spacious, excellent visibility, superior sealing, and high strength.



First-Class Working Space

The front windshield features dual-curvature, large-opening laminated glass for enhanced safety; The seat features standard air suspension, dual-slide rail adjustment, and 135° reclining angle for enhanced driving comfort;

Easier Maintenance

Three-sided large-opening flip-up design for side covers and rear windshield significantly improves machine maintainability.

| Overall Machine Parameters | |
|------------------------------|-------|
| Rated Load Capacity, kg | 5500 |
| Curb Weight, kg | 17540 |
| Max. Traction Force, kN | 160 |
| Max. Digging Force, kN | 165 |
| Standard Bucket Capacity, m³ | 3.3 |

| Engine | |
|-------------------------|----------------------|
| Model | WEICHAI WP10G220E343 |
| Emission Class | Tier III |
| Engine Suction | Supercharge |
| Number of Cylinder-Bore | 6-126×130 |
| Displacement, L | 9.726 |
| Rated Power, kW | 162 |
| Rated Speed, rpm | 2000 |
| Max. Torque, N·m | 1050 |

| Gearbox | |
|------------------------------|---------------------------------------|
| Transmission Brand | LOVOL |
| Type of Transmission | Mechanical-shift planetary |
| Type of Torque Converter | Single-stage, two-phase, four-element |
| Torque Multiplication Factor | 4.0 |
| Number of Gears | 2 forward/1 reverse |
| Max. Speed, km/h | 42.0 |

| Bridge | |
|------------------------------------|---|
| Type | Dry |
| Front and Rear Axle Reduction Type | Single-stage reduction with spiral bevel gears Wheel-side planetary gear reduction with straight cylindrical gears |

| Air Conditioning | |
|----------------------------|---------------|
| Working Medium (warm/cold) | Coolant/R134a |
| Cooling Capacity, kW | 4.5 |

| Tires | |
|--------------------------|-----------------------|
| Tire Specifications | 23.5-25 |
| Tire Rating | 18 forward/16 reverse |
| Front Tire Pressure, Mpa | 0.38-0.4 |
| Rear Tire Pressure, Mpa | 0.33-0.35 |

| Working Hydraulics | |
|------------------------------------|----------------------------|
| Control Mode | Pilot control |
| Working Hydraulic System Type | Dual-pump flow combination |
| System Operating Pressure, Mpa | 18 |
| Displacement, ml/r | 80 |
| Multi-way valve model | D32 |
| Pilot Working Pressure, Mpa | 3.5 |
| Boom Lifting Time, s | 5.6 |
| Total Time for Three Operations, s | 9.6 |

| Brakeing | |
|---------------------|--------------------------------|
| Service Braking | Air-over-oil caliper disc type |
| Parking Braking | Air braking |
| Brake Pressure, Mpa | 0.784 |

| vehicle Body | |
|---|----------------|
| Overall Dimensions of The Cab (Length × Width × Height), mm | 1810×2100×2000 |

| Oil | |
|---|-----------------------|
| Fuel Tank (geometric volume), L | 405 |
| Hydraulic Oil Tank (level gauge midline), L | 135 |
| Engine Oil, L | 22 |
| Transmission Oil, L | 36 |
| Front and Rear Axle, L | 32 forward/26 reverse |
| Brake Pump, L | 4 |
| Antifreeze, L | 51 |

