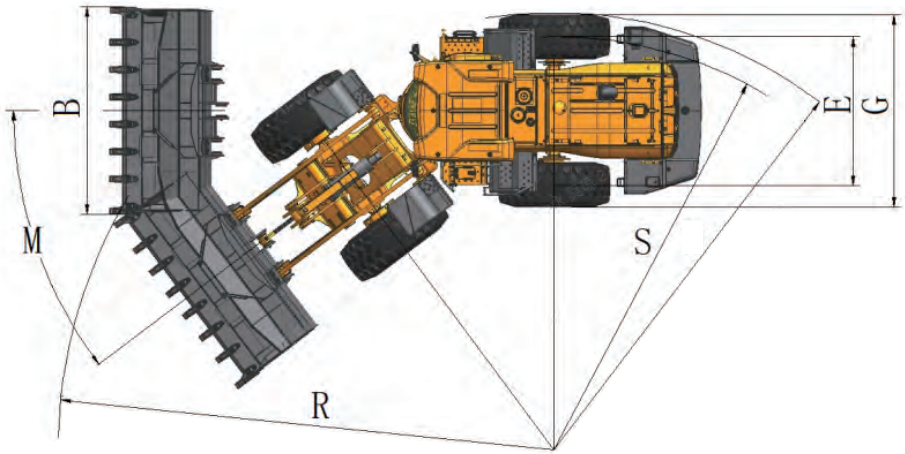
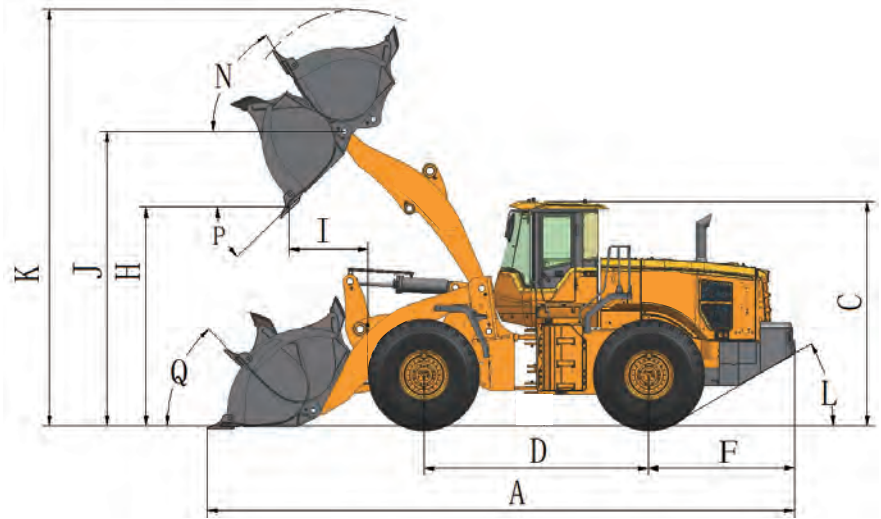


03 Product Specification



A	Overall Length, mm	8440
B	Overall Width, mm	2980
C	Overall Height, mm	3420
D	Wheelbase, mm	3250
E	Track Width, mm	2150
F	Rear Overhang, mm	2300
G	Tire Width, mm	595
H	Dumping Height, mm	3140
I	Dumping Distance, mm	1090

J	Maximum Hitch Height, mm	4190
K	Maximum Lifting Height, mm	5640
L	Angle of Departure, °	30
M	Steering Angle, °	37
P	Angle of Discharge, °	44
Q	Transport Angle, °	49
R	Turning Radius (Outer Side of Bucket), mm	6980
S	Turning Radius (Center of Tire), mm	5920



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

LOVOL HEAVY INDUSTRY GROUP CO.,LTD.

Address:No.75,Huanghe East Road,Huangdao District,Qingdao City, Shandong Province,China.

Website:en.wlovol.com

Z20250709-2

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 WD10G220E23

Rated Power:
162kW/2000rpm

Total Machine Weight:
17390kg

Standard Bucket Capacity:
2.8-3.3m³

FL955K

LOADER

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

Core Configuration

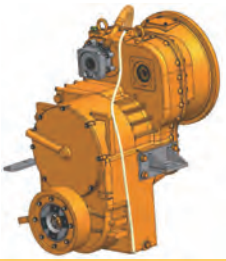
Weichai WD10G Tier II Engine + Power shift planetary transmission + Coaxial flow amplification steering system, Dual-pump confluence, Pilot control.



Power System

Weichai National II WD10G 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.

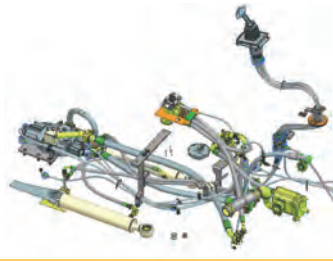


Transmission System

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.



Steering Hydraulic System

The coaxial flow-amplification steering system ensures minimal steering force and easy handling.

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

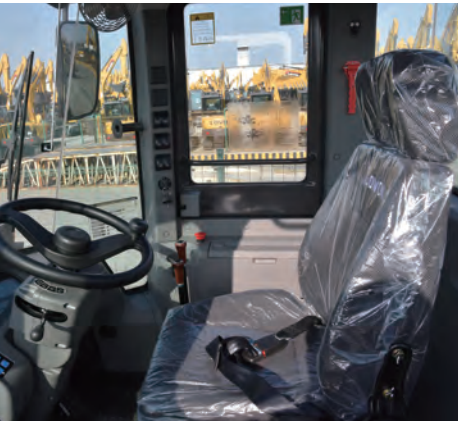
Front and Rear Frame

- The front and rear frames are centrally articulated, optimized through finite element analysis, resulting in high rigidity, impact resistance, and reliability.
- Lovol patented hybrid articulated structure, with strong load-bearing capacity.
- After CAE structural and strength analysis, and validated through millions of cycles of impact fatigue testing, ensuring high reliability.
- K-generation counterweight structure with integrated rear combination lamps, delivering enhanced aesthetics and safety.



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.

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.

Overall Machine Parameters	
Rated Load Capacity, kg	5200
Curb Weight, kg	17390
Max. Traction Force, kN	160
Max. Digging Force, kN	160
Standard Bucket Capacity, m³	2.8

Engine	
Model	WEICHAI WD10G220E23
Emission Class	Tier II
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	980

Gearbox	
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	16
Front Tire Pressure, Mpa	0.36-0.38
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
Working Pump Model	GP2100/02010-XFL02 CBGq2100/0010-YF
Displacement, ml/r	100
Multi-way valve model	YGDF32
Pilot Working Pressure, Mpa	3.5
Boom Lifting Time, s	5.7
Total Time for Three Operations, s	10.6

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	1810×2090×1970

Oil	
Fuel Tank (geometric volume), L	280
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

