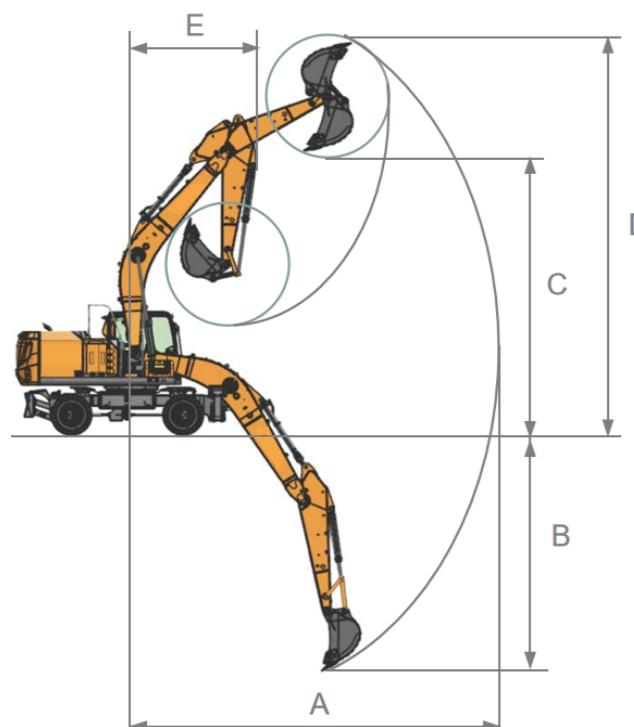
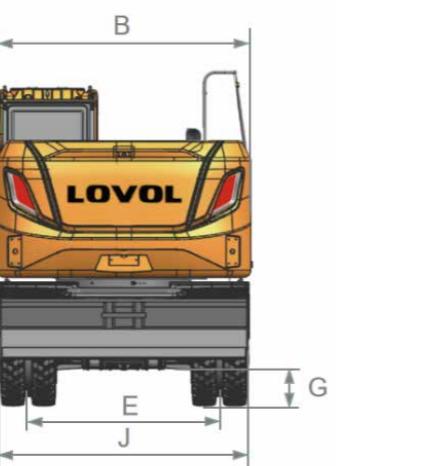
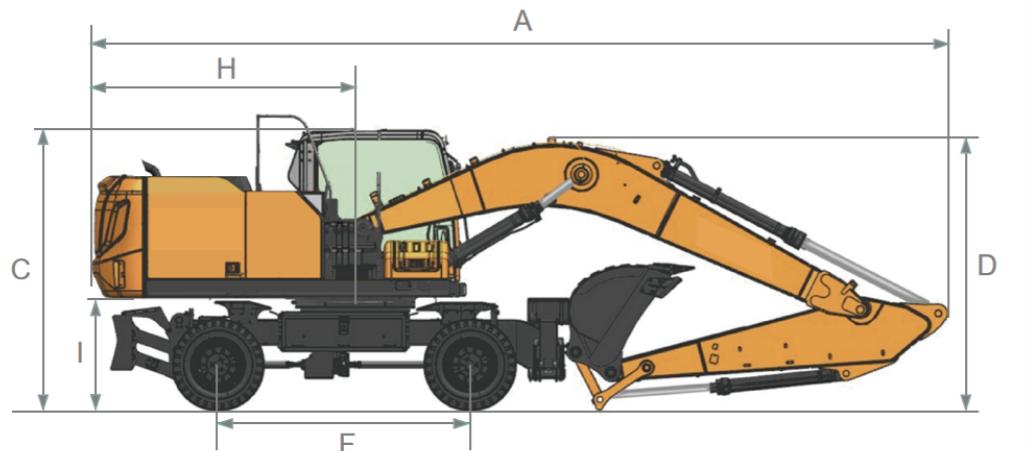


03 Product Specification



| | | |
|---|--------------------|------|
| A | Total Length, mm | 9698 |
| B | Shipping Width, mm | 2540 |
| C | Cab Height, mm | 3198 |
| D | Travel Height, mm | 3350 |
| E | Track Width, mm | 1914 |

| | | |
|---|--|------|
| F | Wheelbase, mm | 2850 |
| G | Min. Ground Clearance, mm | 350 |
| H | Rear-end Swing Radius, mm | 2970 |
| I | Ground Clearance of Counter Weight, mm | 1250 |
| J | Blade width, mm | 2500 |



| | | |
|---|---|-------|
| A | Maximum Digging reach, mm | 9891 |
| D | Max. Cutting Height, mm | 10082 |
| C | Max. Dumping Height, mm | 7175 |
| B | Max. Digging Depth, mm | 6511 |
| E | Min. Turning Radius of Working Device, mm | 3279 |

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.

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Shandong Province,China.
Website:en.wlovol.com

Z20250620-2

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



FW215F WHEEL EXCAVATOR

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

Engine:
WEICHAI WP7H

Rated Power:
124kW/2000rpm

Total Machine Weight:
21500kg

Standard Bucket Capacity:
1.1m³

01 Product Introduction

LOVOL

Core Configuration

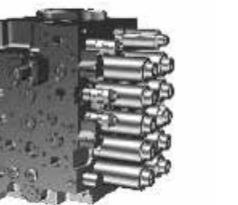
Weichai WP7H Engine + Kawasaki Main Pump, fine-tuned with Lovol technology, achieves optimal integration of power, hydraulic, and travel systems.



Engine



Main Pump



Main Valve

Weichai WP7H Engine – custom-tuned for wheel excavators, featuring a silicone viscous fan for quieter operation and fuel savings, delivering higher efficiency and lower fuel consumption.

The fuel tank has been upgraded to a PXE plastic fuel tank, which is manufactured using an integrated rotational molding process. It has a large capacity, robust structure, high reliability, and high cleanliness.

Reinforced Machine Body, Efficient And Reliable.



Sturdy And Durable Chassis Structure

- The all-new welded undercarriage frame design features a lower center of gravity, delivering 10% greater reliability and stability than competing products;
- ZF Imported Axle & Transmission – delivering industry-leading performance and reliability;
- Dual-Tire Configuration – delivers higher load capacity and stability, with center spacers to block stone intrusion and prevent tire bursts;
- Standard Independent Outrigger & Dozer Blade Control – enhances operational adaptability, boosts lifting capacity, and ensures superior stability.

02 Product Introduction

WE AIM AT CUSTOMERS' SATISFACTION

Cab



First-Class Working Space

All-New Generation F Cab – Panoramic Sunroof & Redesigned Interior; 10.1-inch Touchscreen Display – featuring one-touch ignition, onboard tablet, powertrain management, smart interaction, and automatic operation mode recognition; Upgraded Ergonomic Seat System – optimized for human-machine harmony, enhanced visual experience, and superior comfort; ROPS-Compliant Cab with Standard Rear Monitoring System – enhanced safety for secure operation.

Easier Maintenance

Newly Designed Service Access – provides safer and more convenient maintenance access from both ground and cab levels; Remote-mounted Engine Oil Filter & Fuel Filter – enabling easier and faster maintenance.

03 Product Specification

Main Parameters

| | |
|-----------------------------|-------|
| Operating Weight, kg | 21500 |
| Walking Speed Max/Min, km/h | 31/8 |
| Rotation Speed, r/min | 11 |
| Boom Length, mm | 5700 |
| Arm Length, mm | 2925 |
| Bucket Digging Force, kN | 148 |
| Arm Digging Force, kN | 104 |
| Maximum Traction Force, kN | 120 |
| Climbing Ability, ° | 35° |

Power Module

| | |
|-----------------------|---------------------------|
| Manufacturer | WEICHAI |
| Model | WP7H |
| Cylinder Number | 6 |
| Intake Form | Supercharged intercooling |
| Emissions, L | 5.68 |
| Max. Torque, N·m/rpm | 180 |
| Rated Speed, rpm | 200 |
| Rated Power, kW | 24 |
| Oil Volume, L | 25 |
| Fuel Tank Capacity, L | 35 |

Hydraulic Module

| | |
|------------------|-------------|
| Main Pump | KAWASAKI |
| Model | K7V125 |
| Max. Flow, L/min | 227×2 |
| Main Pump Type | Piston Pump |
| Main Valve | WEICHAI |

Transmission Module

| | |
|------------------------------------|--|
| Gearbox | Type |
| Brand | ZF |
| Model | 2HL920 |
| Drive Axle | Axle Brand |
| | ZF |
| Model | E370 |
| Front And Rear Axle Reduction Type | Main reducer + wheel planetary reduction |
| Tires | Tire Type |
| | Pneumatic tires (with inner tubes) |
| Tire Specifications | 10.00-20 |
| Tire Rating | 16PR |
| Front Tire Pressure, Mpa | 740-180 |
| Rear Tire Pressure, Mpa | 740-180 |

Chassis Module

| | |
|------|-------------------------------------|
| Type | Front Dozer Blade + Rear Outriggers |
|------|-------------------------------------|

