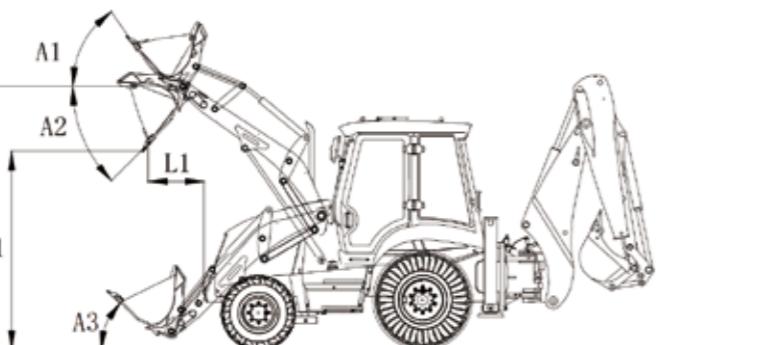
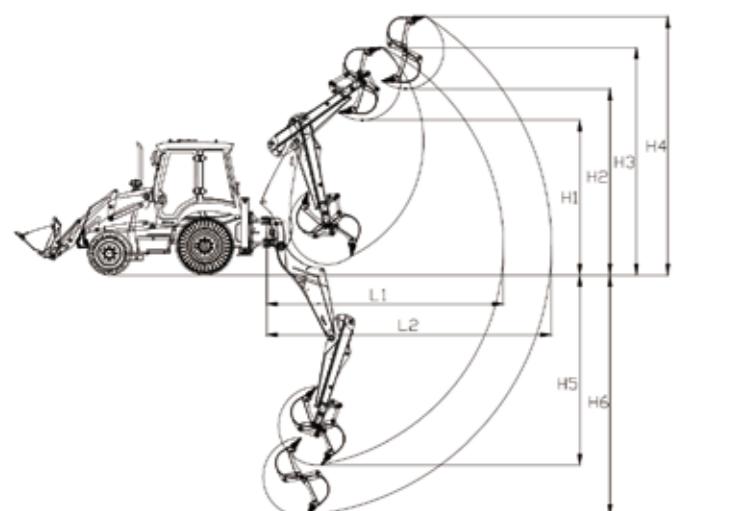
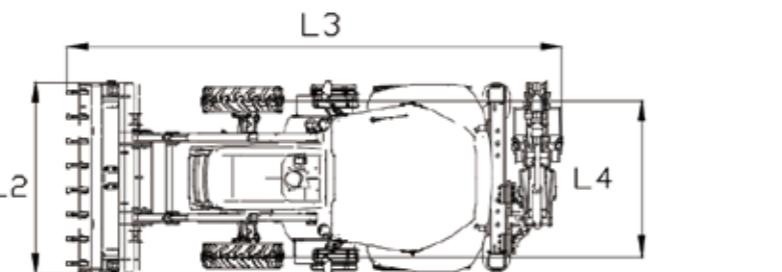
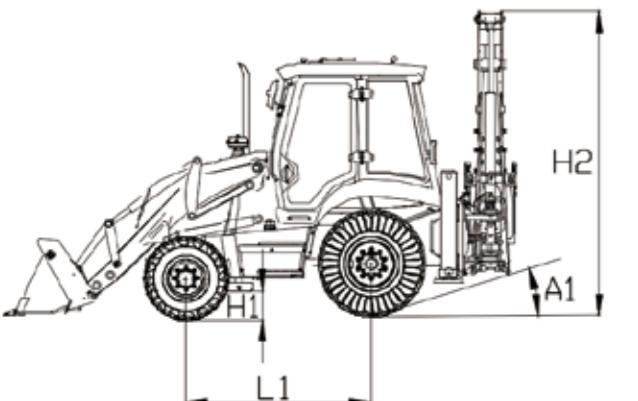


03

Product Specification

L3	Total Length, mm	6010
H2	Total height, mm	3500
L2	Shipping Width, mm	2470
H1	Min. Ground Clearance, mm	350
A1	Departure Angle, °	23
L1	Wheelbase, mm	2170
L4	Front Wheel Track, mm	1880
L4	Rear Wheel Track, mm	1730
H1	Max. Dump Height – Retracted, mm	3320
H2	Max. Dump Height – Extended, mm	4030



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

Z20250627-4

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



FB878H

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

Engine Model:
WEICHAI WP4G95E21

Rated Power:
70kW/2200rpm

Curb Weight:
8750kg

Loader Bucket Capacity:
1.0m³

Excavator Bucket Capacity:
0.18m³

01 Product Introduction

LOVOL

Core Configuration

Weichai Tier II WP4.1 engine + Cararo electronic control box, wet brake axle + HUSCO load-sensing valve block.



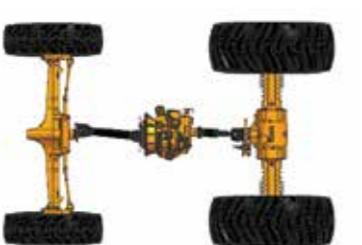
Power System

Electronic Fuel Injection System

74kW
Rated Power

380N·m
Maximum Torque

Reinforced Machine Body, Efficient And Reliable.

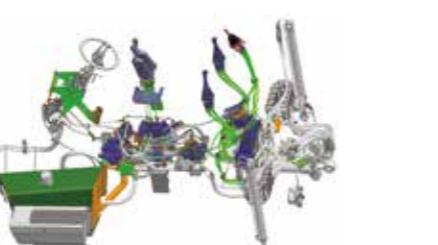


Transmission System

Electronically controlled shifting, with 4 forward gears and 4 reverse gears. It features high input torque and high reliability.

The transmission system features helical gear drive, which ensures low noise and high transmission efficiency.

The system allows for independent switching between 2WD (two-wheel drive) and 4WD (four-wheel drive).



Hydraulic System

The load-sensing pump, combined with the closed-center pressure-compensated HUSCO multi-way valve, enables compound actions. This design aligns more closely with the operating habits for excavating tasks, resulting in higher work efficiency. Both the loading and excavating ends utilize pilot control, which ensures stable operation and enhanced comfort.



Working Device

- For the loading end, standard buckets, four-in-one multifunctional buckets, and six-in-one multifunctional buckets are available as optional configurations.
- For the excavating end, standard booms and telescopic booms are available as optional configurations. The bucket capacities can also be customized and developed according to customer requirements. The excavator buckets have reinforced bucket bottoms for higher strength.
- The mechanical quick coupler for excavating allows for rapid switching between various attachments.

02 Product Introduction

WE AIM AT
CUSTOMERS'
SATISFACTION

Safety Cab

Certified for a safe cab.



Appearance

The appearance of the backhoe loader cab adopts a large-space, all-glass design, offering a much wider field of vision.

Interior

The cab features a new black-and-gray color scheme, with interior materials that can withstand temperatures as low as -40°C. The pilot control box at the excavating end can be adjusted by 12° forward or backward to suit different operating habits.

Seat

The seat can be rotated freely by 180°, allowing the operator to quickly switch between excavating and loading operations.

Iron Hood

- The full-iron machine cover structure features high strength and rigidity, as well as better performance in withstanding low and high temperatures. It adopts a streamlined back design, which further enhances the operator's field of vision.
- The machine cover can be opened by tilting forward as a whole, which increases the convenience of maintenance operations.

Special-purpose Frame

- The two-head-busy special-purpose chassis has been analyzed for structural strength and rigidity through CAE and verified by bump and fatigue tests, ensuring high reliability.
- The vehicle's side panels are made of single-piece plates with multiple bends, avoiding welding, which enhances structural strength.

03 Product Specification

FB878H

Overall machine parameters

Rated Load Capacity, kg	2000
Operation Weight, kg	8750
Max. Traction Force, kN	80
Loading End Bucket Rod Cylinder Maximum Rising Force, kN	51
Max. Lift Force of Loading End Boom Cylinder, kN	38
Excavating Force of Bucket Cylinder at Excavating End, kN	40
Excavating Force of Excavating End Rod Cylinder, kN	34
Tipping Load, kg	50
Standard Bucket Capacity at Loading End, m ³	1.0
Standard Bucket Capacity at Excavating End, m ³	0.2

Rear Tire

Tire Specifications	19.5L-24
Tire Rating	12
Tire Pressure, Mpa	0.23±0.03

Loading End Working Hydraulics

Control Mode	Pilot Control
Working Hydraulic System Type	Load-sensing hydraulic system
System Operating Pressure, Mpa	25
Working Pump Model	HP6V6
Displacement, ml/r	76
Multi-way Valve Model	MX12-2C2
Boom Lifting Time, s	3.66
Total Time for Three Operations, s	3.2

Engine

Model	WEICHAI WP4G95E221
Engine Type	4-stroke, water-cooled, turbocharged and sequential air-cooled
Emission Standard	Tier II
Engine Suction	Supercharge
Number of Cylinder-Bore, mm	4-105×130
Displacement, L	4.5
Rated Power, kW	70
Rated Speed, rpm	2200
Max. Torque, N·m	380

Excavating End Working Hydraulics

Control Mode	Pilot Control
Working Hydraulic System Type	Load-sensing hydraulic system
System Operating Pressure, Mpa	25
Working Pump Model	HP6V6
Displacement, ml/r	76
Multi-way Valve Model	MX18-8H8
Pilot Pressure, Mpa	4

Transmission

Transmission Brand	CARRARO
Type of Transmission	Carraro gearbox
Type of Torque Converter	Single-stage single-phase fluid coupling
Torque Multiplication Factor	2.64
Number of Gears	4 forward, 4 reverse
Max. Speed, km/h	32

Axle

Drive Type	4WD
Front Axle	Steering axle
Rear Axle	Wet axle
Wheel Reduction	Wheel hub reduction and main reducer

Front Tire

Tire Specifications	14-17.5-14PR
Tire Rating	14
Tire Pressure, Mpa	0.52-0.58

Braking

Service Braking Dual pedal hydraulic brake assist

Parking Braking Mechanical caliper disc parking brake

Brake Pressure, Mpa 4.5-5.3

Oil

Fuel Tank (geometric volume), L	200
Hydraulic Oil Tank (level gauge midline), L	000
Engine Oil, L	100
Transmission Oil, L	9.5
Front Axle, L	Main reducer ratio: 5:1, Wheel hub reduction ratio: 0.8:2
Rear Axle, L	Main reducer ratio: 5:1, Wheel hub reduction ratio: 1.5:2
Antifreeze, L	14