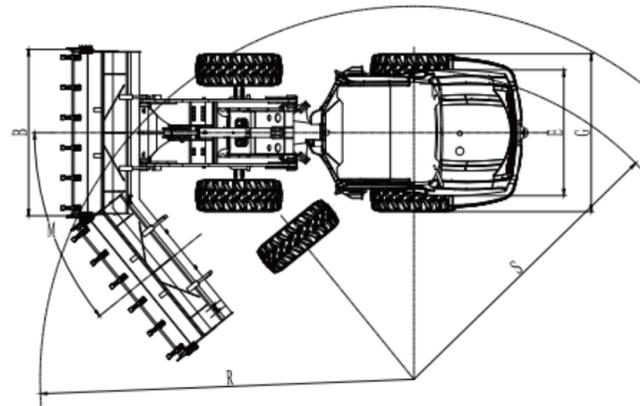
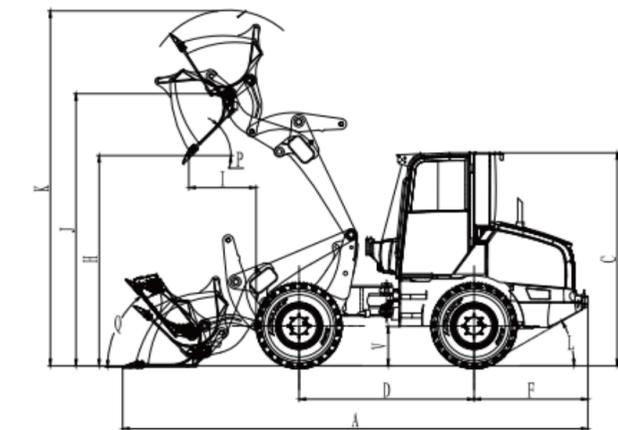


03 Product Specification



A	Overall Length, mm	5800	J	Maximum Hitch Height, mm	3400
B	Overall Width, mm	2115	K	Maximum Lifting Height, mm	4460
C	Overall Height, mm	2700	L	Angle of Departure, °	30
D	Wheelbase, mm	2180	M	Steering Angle, °	39
E	Track Width, mm	1570	P	Angle of Discharge, °	45
F	Rear Overhang, mm	1410	Q	Transport Angle, °	50
G	Tire Width, mm	1970	R	Turning Radius (Outer Side of Bucket), mm	4660
H	Dumping Height, mm	2630	S	Turning Radius (Center of Tire), mm	3860
I	Dumping Distance, mm	840	V	Ground Clearance, mm	350



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

Z20250313-1

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 Model:
KUBOTA V3307

Rated Power:
55.4kW/2400rpm

Total Machine Weight:
6650kg

Standard Bucket Capacity:
1.2m³

FL918

LOADER

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

01 Product Introduction

LOVOL

Core Configuration

Kubota V3307 Euro Stage V Engine + HST Transmission + Wet Drive Axle + Electro-Hydraulic Proportional Control System



Kubota V3307 Euro Stage V Engine

Kubota V3307 engine, 4-cylinder, common rail, compliant to EU Stage V environmental regulations.

Optimized for tough construction applications, the engine delivers superior performance and durability through a high torque, low speed design.

Exhaust after treatment system: Cooled exhaust Gas Recirculation (EGR), diesel oxidation catalyst (DOC) and diesel particulate filter (DPF).



Wet Brake Bridge

Combined with high ground clearance, the central oscillating joint and all wheel drive allows excellent mobility in all ground conditions.



Electro-Hydraulic Proportional Control System

The hydrostatic transmission from Linde allows for speed range change without interruption of traction force. Maximum traction power is available in all speed ranges.

The 100% locking differentials on both front and rear axles maximize traction force in soft terrain.

360 degree all-round camera

Optional 360 degree all-round camera enables operator to focus on operation.

Reinforced Machine Body, Efficient And Reliable.

LED Lighting

Full set of LED lighting package

Ultimately Productive

- The 100% center articulated frame, the compact design and casted rear counter-weight all contribute to minimize transit time.
- ISO standard Vertical(SSL) bracket for efficient attachment change.
- Optional Ready-to-Dig function and boom kick-out function help to maximize productivity.



02 Product Introduction

WE AIM AT CUSTOMERS' SATISFACTION

Cabin

The interior space is spacious, the view is wide, the noise is low, and the driving and riding experience is more comfortable.



The cab is spacious, quiet and comfortable with all around 360° visibility to keep your productive throughout the day.

The adjustable steering column provides more room to ensure comfortable ride.

The operator's seat features an adjustable air suspension and heating function in winter time.

Optional Ride control helps to cushion the boom under heavy loads for a smoother ride.

Designed with operator's safety in mind, the FOPS/ROPS certified Cab reduces the risk of accident or injury.

Easy Maintenance

- Large opening engine hood and transversally mounted engine give excellent access to service.
- The reversible cooling fan provides the most efficient radiator cleaning by a simple press of a button and maximizes radiator efficiency.
- Wet brake axle for long service intervals.

Operator Comfort

- Efficient air conditioning(optional) and ventilation guarantee ideal thermal comfort.
- The wide cab door allows fast and safe entering and exiting from both side of the wheel loader. maximize productivity.

Double Steering Cylinders

- Efficient air conditioning(optional) and ventilation guarantee ideal thermal comfort.
- The wide cab door allows fast and safe entering and exiting from both side of the wheel loader. maximize productivity.

Safe and Reliable

- Neutral Start Protection System: the machine can only be start at neutral gear.
- Audible seatbelt warning to remind operator buckle up.
- COMER wet brake axle for reliable braking performance.
- Emergency stop switch to shut the machine down in case of emergency.

03 Product Specification

FL918

Overall Machine Parameters

Rated Load Capacity, kg	1800
Curb Weight, kg	6650
Max. Traction Force, kN	44
Max. Digging Force, kN	64
Standard Bucket Capacity, m³	1.2

Engine

Model	KUBOTA V3307
Emission Class	Stage V
Engine Suction	supercharge
Number of Cylinder-Bore	4-94×120
Displacement, L	3.331
Rated Power, kW	55.4
Rated Speed, rpm	2400
Max. Torque, N·m	289.3

Gearbox

Gearbox Brand	Kangmail
Gearbox Type	HST transfer box
Gear Position	Three in the front and three in the back
Max. Speed, km/h	35.0

Bridge

Type	Wet axle
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	405/70 R20
Front Tire Pressure, Mpa	0.35-0.375
Rear Tire Pressure, Mpa	0.325-0.350

Working Hydraulics

Control Mode	Electro-proportional control
Working Hydraulic System Type	Electronic hydraulic system
System Operating Pressure, Mpa	23.5
Working Pump Model	KP30.41
Displacement, ml/r	41.62
Pilot Working Pressure, Mpa	4
Boom Lifting Time, s	5.2
Total Time for Three Operations, s	10.1

Brakeing

Service Braking	Full hydraulic wet brake
Parking Braking	hydraulic brake
Brake Pressure, Mpa	6.55

vehicle Body

Overall Dimensions of The Cab (Length × Width × Height), mm	1740×1520×1680
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Oil

Fuel Tank (geometric volume), L	50
Hydraulic Oil Tank (level gauge midline), L	35
Engine Oil, L	11.2
Transmission Oil, L	1
Front and Rear Axle, L	Seven before seven after seven
Antifreeze, L	11

