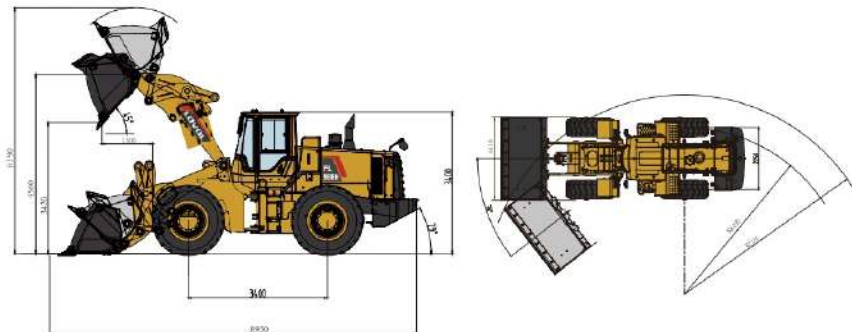


FL968H Wheel Loader Specifications

FL968H Dimensions



Item	Specifications
Rated Load	6000kg
Max. Traction Force	185kN
Max. Gradeability	29°
Max. Dump Clearance	3400mm
Dump Reach	1300mm
Wheel Tread	2300mm
Wheelbase	3400mm
Overall Dimension (L×W×H)	8930mm×3050mm×3410mm

Engine	
Emission Standard	Stage III
Number of Cylinder-Bore/Stroke	6-116.5*144.5
Max. Torque	1187N·m
Rated Speed	2200rpm
Displacement	9.3L

Transmission System	
Torque Converter	Single stage single phase three element
Modulus of Converter	2.35
Transmission	Electronical control countershift
Gear Shift	4 forward, 3 reverse
Max. Speed	38km/h

Front and Rear Axles	
Axles Type	Dry axles
Final Decelerate Type	Planetary reducer, spur cylindrical gear

Tyre	
Tyre Size	23.5-25
Ply	Front 24/Rear 20
Front Tyre Pressure	0.45-0.475MPa
Rear Tyre Pressure	0.30-0.35MPa

Steering System	
Type	Fix&Variable hydraulic system
Steering Angle Each Direction	38°±1°
Min. Turning Radius	7230mm

Hydraulic System	
Working Pressure	23MPa
Boom Lifting Time	5.4s
Total Cycle Time	10.3s

Brake System	
Service Brake	Air over hydraulic caliper disc brake
Park Brake	Air-cut brake

Service Refill Capacity	
Fuel Tank	363L
Hydraulic Tank	150L
Engine Oil	20L

LOVOL
CONSTRUCTION



Engine Model
Rated Power
Operating Weight
Bucket Capacity
Max. Breakout Force

CUMMINS QSL9.3
180kW
20680kg
4.0m³
185kN

FL968H
WHEEL LOADER

Key Features



PRODUCTIVITY

- 6.5T wheel loader standard equipped with 4.0m³ bucket, high-efficiency powertrain system is perfectly matched with hydraulic multi-stage power system that makes machine work fast and efficient.
- The proven linkage structure is very efficient which has big breakout force, quick movement and high lifting capacity features.
- Low-effort joystick control system delivers high-efficiency operation with ease and fast.

RELIABILITY

- The H series features many components which leverage product designs that have delivered reliable and durable machines.
- Adopt world class engine which provides excellent service and part availability in market.
- Optimized layout of pipelines and dual-seal technology can avoid oil leakage and make hydraulic system more reliable.

ROBUSTNESS

- Reinforced center-articulated frame which has passed million times fatigue experimental test, 1,000 hours intensive experimental test and 5,000 hours jobsite test, it has been proved to be robust and durable.
- Bucket use JF440 steel which are joint-invented with renowned steel factory, it is more robust and wearable.
- The key components of axles are reinforced which could extend service time of whole axles and makes it more suitable for heavy-duty applications.

COMFORT

- LOVOL ETX (European Technology Excellent) cab adopts skeleton structure which has great vision, solid frame and lower noise features, these could provide a comfortable working environment for operator.
- High-back mechanical suspension seat with headrest could make operator feel more comfortable.
- The cab has micro pressurizing air system that makes the environment cleaner and comfortable.

01 Engine



- Standard equipped with Cummins QSL9.3 engine which adopt electronic control high pressure common rail fuel system to realize accurate combustion control. Intelligently adjust the power curve to meet multiple working modes to reach efficient fuel saving aim. The engine cylinder adopt new reinforced design that the hardness had increased by 30%. It has great advantage in low speed & large torque conditions and it also has stable & strong power performance in high strength and long time working conditions.

04 Cab



- Integrated closed skeleton structure cab which has great vision, equipped with air conditioning and high-back mechanical suspension seat, that make operator more comfortable.

02 Transmission



- The transmission adopts Germany ZF BP230 automatic shifting gearbox, it is durable and reliable that can provide long service time.
- Equipped with electronic control shifting lever which has small shift control force to reduce operator's labor intensity and it has KD function to realize efficient switching.

05 Frame and Articulation



- New reinforced front and rear frames with patented composite articulated structure went through million times fatigue experimental test, 1,000 hours intensive experimental test and 5,000 hours jobsite test, reach super strong payload capacity.

03 Axles



- Axle housing is optimized design through increasing the cross-section, the brace bearing of wheel hub is also reinforced, that make front axles capacity reaches 40T.
- Main reducer and wheel hub are reinforced, the service lives rise 30%.

06 Hydraulic System



- The hydraulic system is fix & variable system and the steering pump is piston pump with high bearing pressure and high reliability features.
- Hydraulic oil filter's filtration ratio is 200 (means 99.5% impurities could be filtered out), that makes hydraulic system cleaner and more reliable.

Attachments



Larger Bucket



Log Grapple



Rock Bucket



Pallet Fork



Coal Bucket



Side-dump Bucket