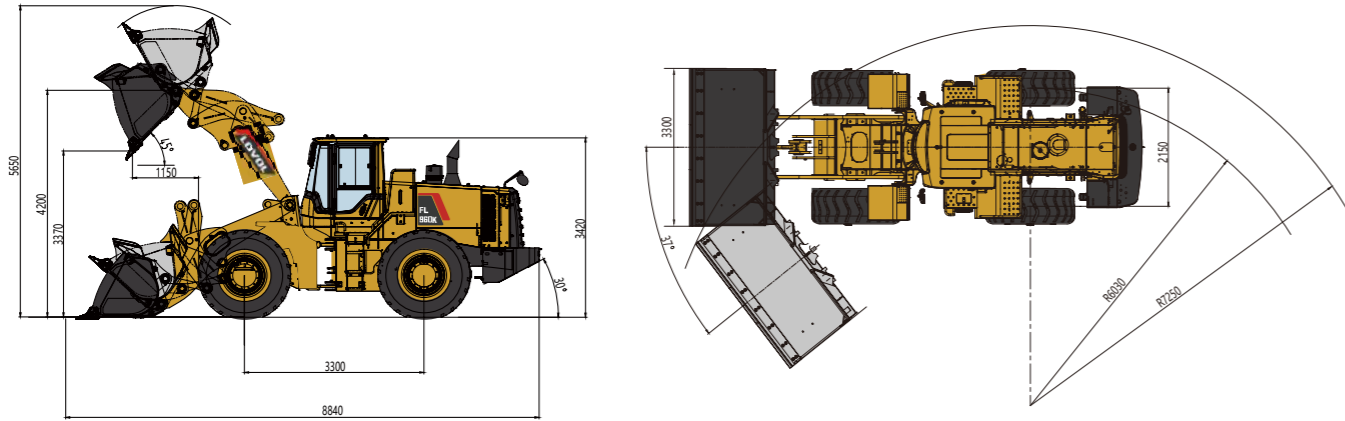


FL960K Wheel Loader Specifications



FL960K Dimensions



Item	Specifications
Rated Load	6000kg
Max. Traction Force	145kN
Max. Gradeability	30°
Max. Dump Clearance	3370mm
Dump Reach	1150mm
Wheel Tread	2150mm
Wheelbase	3300mm
Overall Dimension (L×W×H)	8840mm×3300mm×3420mm

Engine	
Emission Standard	Stage III
Number of Cylinder-Bore/Stroke	6×107*124
Max. Torque	895N·m
Rated Speed	2000rpm
Displacement	6.7L

Transmission System	
Torque Converter	/
Modulus of Converter	/
Transmission	HST
Gear Shift	3 forward, 3 reverse
Max. Speed	40km/h

Front and Rear Axles	
Axles Type	Wet axles

Tyre	
Tyre Size	23.5-25
Ply	Front 18/Rrear 16
Front Tyre Pressure	0.30-0.32/0.35-0.375MPa
Rear Tyre Pressure	0.28-0.30/0.30-0.32MPa

Steering System	
Type	Fix&Variable hydraulic system
Steering Angle Each Direction	37°±2°
Min. Turning Radius	7250mm

Hydraulic System	
Working Pressure	24MPa
Boom Lifting Time	5.2s
Total Cycle Time	9.2s

Brake System	
Full hydraulic braking system	

Service Refill Capacity	
Fuel Tank	350L
Hydraulic Tank	200L
Engine Oil	20L



LOVOL CONSTRUCTION MACHINERY GROUP CO., LTD.

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

Website: en.lovol.com Alibaba: lovolconstruction.en.alibaba.com Facebook: Cons Lovol

E-mail: lovol_overseas@global.lovol.com TEL: +86-532-86907190

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.

Engine Model	CUMMINS QSB7
Rated Power	153kW
Operating Weight	17500kg
Bucket Capacity	3.6m³
Max. Breakout Force	180kN

FL960K

WHEEL LOADER



ENERGY-SAVING

- Chinese first 6.0 Ton wheel loader with energy-saving hydrostatic transmission.
- High efficiency hydrostatic transmission technology can improve fuel efficiency by 25%.
- High-efficiency powertrain system is perfectly matched with hydrostatic transmission system, improving energy efficiency.

COMFORT

- LOVOL ETX (European Technology Excellent) cab which adopts skeleton structure, 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.

RELIABILITY

- The K 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.

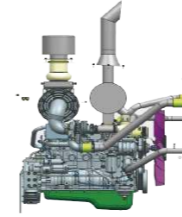
PRODUCTIVITY

- Equipped with 3.6m³ bucket which is easier to load, achieves greater fill factors and could retain more materials.
- High efficiency linkage structure is perfectly matched with hydrostatic transmission system, boom lifting time deduced from 5.8s to 5.3s, working speed and efficiency increased by 10%. 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.

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.

01 Engine



- Standard equipped with Cummins QSB7 engine which adopts 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 adopts 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.

02 Transmission



- Adopt hydrostatic transmission that have force shifting and automatic shifting function.
- DANFOSS hydrostatic transmission and DANA transfer case are durable and reliable that can provide long service time.

03 Axles



- Adopt reinforced swing axle, the 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%.

04 Cab



- Integrated closed skeleton structure cab which has great vision, equipped with air conditioning and high-back mechanical suspension seat, that makes operator more comfortable. The cab has micro pressurizing air system that makes the environment cleaner and more comfortable.

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.

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 Standard Bucket Rock Bucket Pallet Fork Coal Bucket Side-dump Bucket