FL980K-HST Wheel Loader Specifications

FL980K-HST Dimensions





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Rated Load	8000kg
Max. Traction Force	189kN
Max. Gradeability	30°
Max. Dump Clearance	3450mm
Dump Reach	1260mm
Wheel Tread	2320mm
Wheelbase	3550mm
Overall Dimension (L×W×H)	9250mmx3240mmx3540mm

Engine

Emission Standard	Stage III
Number of Cylinder-Bore/Stroke	6-126x130
Max. Torque	1185N·m
Rated Speed	2200rpm
Displacement	9.726L

Transmission System

Transmission	HST
Gear Shift	3 forward, 3 reverse
Max. Speed	36km/h

Front and Rear Axles

Axles Type	Dry axles
Final Decelerate Type	PPlanetary reducer, spur cylindrical gear

Tyre Tyre Size 26.5R25/L-3 Ply ★★ Front Tyre Pressure 0.60-0.65MPa Rear Tyre Pressure 0.55-0.6MPa

Steering System

Туре	Fix&Variable hydraulic system
Steering Angle Each Direction	37°
Min. Turning Radius	7720mm

Hydraulic System

Working Pressure	25MPa
Boom Lifting Time	5.6s
Total Cycle Time	9.7s

Brake System

Service Brake	Disc brake
Park Brake	Air-cut brake

Service Refill Capacity

Fuel Tank	320L
Hydraulic Tank	200L
Engine Oil	22L





Engine Model	WP10G286E301
Rated Power	210kW
Operating Weight	25000kg
Bucket Capacity	5.5m³
Max. Breakout Force	208kN

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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.

FL980K-HST

Key Features



ENERGY-SAVING

- · Chinese first 8 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.

Productivity

- · Equipped with 5.2 m3 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 5.4s, 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.

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.

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 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.

· The cab has micro pressurizing air system that makes the environment much cleaner and comfortable.







- · Adopt hydrostatic transmission that have force shifting and automatic shifting function.
- · Adoptp DANFOSS hydrostatic pump and ZHUCHI transmission which are durable and reliable that can provide long service time



time working conditions.

· Standard equipped with

WP10G286E301 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

Weichai



05Frame and Articulation



- · 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.



Attachments



Rock Bucket

Larger Bucket

Log Grapple

Core Components







- · Adopt LOVOL 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 more higher.
- · Main reducer and wheel hub are reinforced, the service lives rise 30%.

· New reinforced front and rear frames with patented composite articulated structure went through million times fatigue experimental test, 1,000 hours intensive experi-





- ·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.

