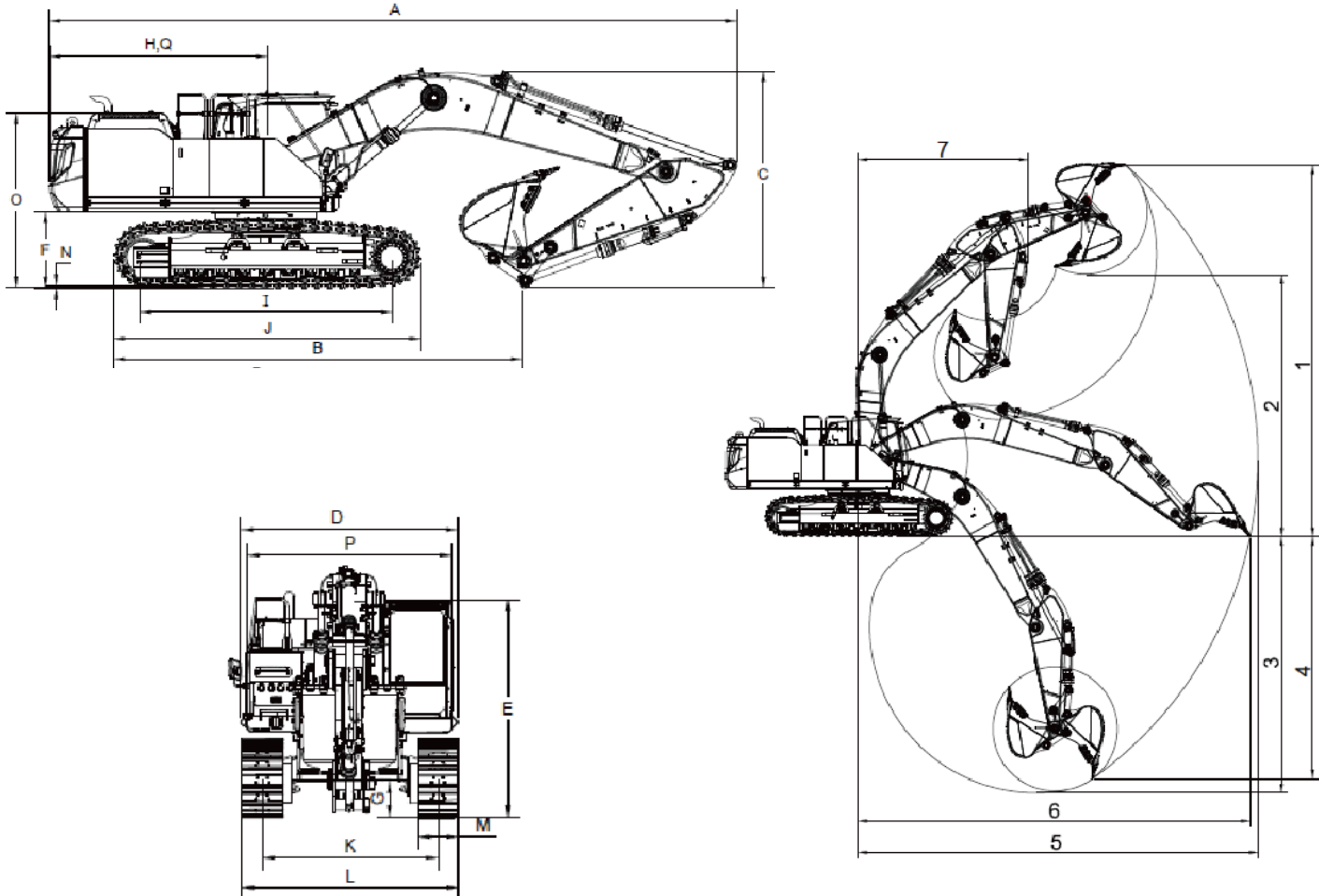


A	Total Length, mm	10914	M	Crawler Plate Width, mm	600
B	Shipping Ground Length, mm	7170	N	Tooth Height, mm	36
C	Boom Height, mm	3574	O	Hood Height, mm	2876
D	Shipping Width, mm	3200	P	Rotary Platform Width, mm	3200
E	Cab Height, mm	3246	Q	Distance From Rotation Center To Rear End, mm	3415
F	Ground Clearance of Counter Weight, mm	1200	1	Max. Excavating Height, mm	10269
G	Min. Ground Clearance, mm	516	2	Max. Dumping Height, mm	7169
H	Tail Turning Radius, mm	3415	3	Max. Excavating Depth, mm	6720
I	Track ground contact length, mm	4140	4	Max. Vertical Excavating Depth, mm	5208
J	Track Length, mm	5070	5	Max. Excavating Radius, mm	10662
K	Track Gauge, mm	2590	6	Max. Excavating Radius at Floor Level, mm	10464
L	Undercarriage Width, mm	3190	7	Min. Turning Radius, mm	4165



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

Z20250226-2

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:
CUMMINS 6LTAA8.9

Rated Power:
225kW/2000rpm

Total Machine Weight:
33250kg

Standard Bucket Capacity:
1.7m³ Square Rock Bucket

FR335F

EXCAVATOR

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

01

Product Introduction

LOVOL

Golden Hydraulic Power Assembly

Lovol Customized Cummins 6LTAA8.9 Engine+Kawasaki Main Pump and Main Valve+Nabtesco Travel Motor.



Cummins 6LTAA8.9 225/2000

1600N·m

Low-Speed High-Torque

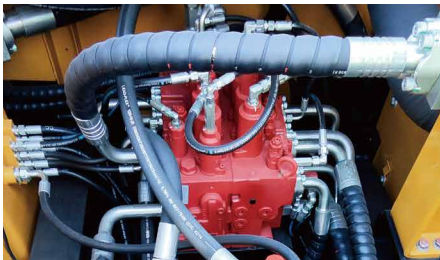
Cummins Engine, International Brand, Reliable Performance.



Large Displacement Main Pump

Kawasaki High-Flow Main Pump and Main Valve.

Japanese hydraulic components, high quality, highly reliable, and globally recognized.



Kawasaki Main Valve

Optimize valve core opening, optimize logical flow matching, reduce operational dead zones, and adapt to more working conditions.

Reinforced Machine Body, Efficient And Reliable.

Sturdy And Durable Chassis Structure

- The chassis uses a split-type mining-specific chassis, with 40-ton class four wheels and one track.
- The heat treatment process of support wheels and crawlers has been upgraded, and the wear resistance has been improved by 50%.

Reinforced Rotating Platform

- The rotating platform uses a heavy-duty structure, reducing stress by more than 40%.
- Platform structure upgraded, with increased spacing between the main beam and arm, significantly enhancing load-bearing capacity.



Large Cross-section Structure Design For Boom And Stick

- The work device structure has been completely upgraded, with a lifespan of over 15,000 hours.
- Optimize the hinge point of the boom and optimize the lock-up of the cylinder; Adopt large cross-section three-section structure design, the internal rib plate of the transition middle section with variable cross-section at the tail; Whole annealing treatment, stress 58%.
- Optimize the hinge point of the bucket rod to increase excavation force and optimize cylinder locking.
- Adopting a large cross-section structural design, with widened front and rear axle housings, thickened side plates, and increased cross-sectional area to enhance overall strength and rigidity.

Large Capacity Earthmoving Special Bucket

- 1.7m³ Rock Bucket, large capacity for high efficiency.
- Adopting a large-capacity earthmoving-specific bucket with an optimized shape, the cutting resistance is reduced, and wear resistance is increased by 25%.
- The ear plate has a larger opening, which is more resistant to tearing and more reliable.

02

Product Introduction

WE AIM AT CUSTOMERS' SATISFACTION

Generation F Cabin

The newly developed Generation F cabin features a novel appearance and an overall layout that complies with ergonomic principles, enhancing visual experience, offering more storage space, and providing greater comfort for the operator.



Interior

New interior, ductwork, and air outlet design, increased storage space; seat improvements and upgrades for higher comfort.

First-Class Working Space

The newly developed Lovol intelligent operating system can achieve power system management, intelligent task interaction, automatic working condition recognition, auxiliary operations, and personalized customization functions. The vehicle is equipped with intelligent components such as an in-car PAD, a 10.1-inch touchscreen display, a standard rearview camera, and a one-touch start button.

03

Product Specification



Main Parameters

Operating Weight, kg	33250
Travel Speed, km/h	5.6/3.5
Swing Speed, r/min	9.5
Boom Length, mm	6200
Arm Length, mm	2900
Bucket Breakout Force, kN	208
Arm Crowd Force, kN	158
Max. Tracking Force, kN	257
Grade Ability 35, %	35
Ground Pressure, kPa	61



Power Module

Engine	
Manufacturer	CUMMINS
Model	6LTAA8.9
Number of Cylinders	6
Aspirating Method	Supercharged Intercooled, Common Rail
Displacement, L	8.9
Max. Torque, N·m/rpm	1230/1400
Rated Speed, rpm	2000
Effective Power, kW	225
Engine oil	
Oil volume, L	19
Fuel tank	
Volume, L	580



Platform Module

Type	Side-mounted With Tail
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Hydraulic Module

Main Pump	
Brand	KAWASAKI
Model	KSV160
Maximum Flow, L/min	646
Main Pump Type	Series-connected Swash Plate Piston pump
Main Valve	
Brand	KAWASAKI
Model	KMX15RB
Quantity	1
Main Valve Type	Integral
Maximum Flow, L/min	646
Turning Motor	
Brand	KAWASAKI
Model	M5X180CHB
Quantity	1
Overflow Pressure, Mpa	26
Travel Motor	
Brand	NABCO
Model	GM60VA
Quantity	2
Overflow Pressure, Mpa	34.3
Main Safety Valve Pressure, Mpa	34.3
Hydraulic Oil Tank	
Volume, L	316



Chassis Module

Type	Fixed track, X-frame
Track	
Track Shoe Width, mm	600 Three-Rib Tracks
Track Section Quantity (section)	49
Thrust Wheel	
Quantity (one side)	9

