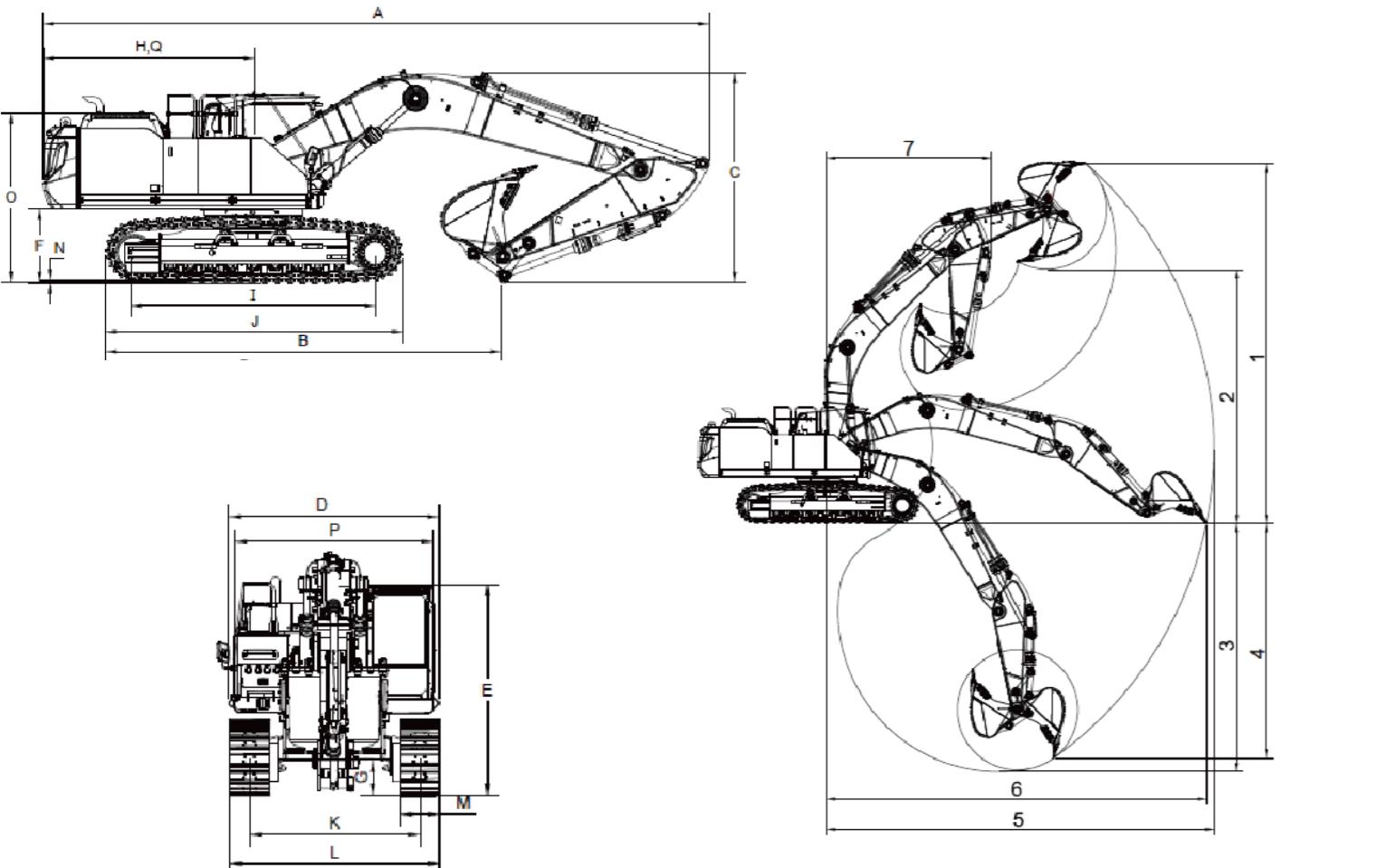


## 03 Product Specification



A	Total Length, mm	10914
B	Shipping Ground Length, mm	7170
C	Boom Height, mm	3574
D	Shipping Width, mm	3200
E	Cab Height, mm	3246
F	Ground Clearance of Counter Weight, mm	1200
G	Min. Ground Clearance, mm	516
H	Tail Turning Radius, mm	3415
I	Track ground contact length, mm	4140
J	Track Length, mm	5070
K	Track Gauge, mm	2590
L	Undercarriage Width, mm	3190

M	Crawler Plate Width, mm	600
N	Tooth Height, mm	36
O	Hood Height, mm	2876
P	Rotary Platform Width, mm	3200
Q	Distance From Rotation Center To Rear End, mm	3415
1	Max. Excavating Height, mm	10269
2	Max. Dumping Height, mm	7169
3	Max. Excavating Depth, mm	6720
4	Max. Vertical Excavating Depth, mm	5208
5	Max. Excavating Radius, mm	10662
6	Max. Excavating Radius at Floor Level, mm	10464
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](http://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**



**FR335F**

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

Engine Model:  
CUMMINS 6LTAA8.3

Rated Power:  
225kW/2000rpm

Total Machine Weight:  
33250kg

Standard Bucket Capacity:  
1.7m<sup>3</sup> Square Rock Bucket

## 01 Product Introduction

LOVOL

### Golden Hydraulic Power Assembly

Lovol Customized Cummins 6LTA8.9 Engine+Kawasaki Main Pump and Main Valve+Nabtesco Travel Motor.



**1600N·m**

Low-Speed High-Torque

Cummins Engine, International Brand, Reliable Performance.



**Large Displacement Main Pump**

Kawasaki High-Flow Main Pump and Main Valve.



**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%.

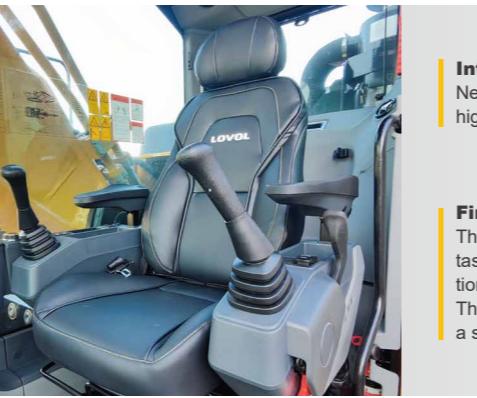
#### Reinforced Rotating Platform

- 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.

WE AIM AT CUSTOMERS' SATISFACTION

## 02 Product Introduction

### Generation F Cabin



#### 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

FR35F

#### 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

#### Hydraulic Module

Main Pump	
Brand	KAWASAKI
Model	KSV610
Maximum Flow, L/min	466

#### Main Valve

Brand	KAWASAKI
Model	KMX15B
Quantity	1
Main Valve Type	Integral
Maximum Flow, L/min	466

#### Turning Motor

Brand	KAWASAKI
Model	M5X180CB
Quantity	1
Overflow Pressure, Mpa	26

#### Travel Motor

Brand	NACO
Model	GM60A
Quantity	2
Overflow Pressure, Mpa	4.38
Main Safety Valve Pressure, Mpa	4.38

#### Hydraulic Oil Tank

Volume, L	136
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#### Platform Module

Type	Side-mounted With Tail
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Type	Fixed track, X-frame
Track	
Track Shoe Width, mm	600 Three-Rib Tracks

Track Section Quantity (section)	49
Quantity (one side)	9

