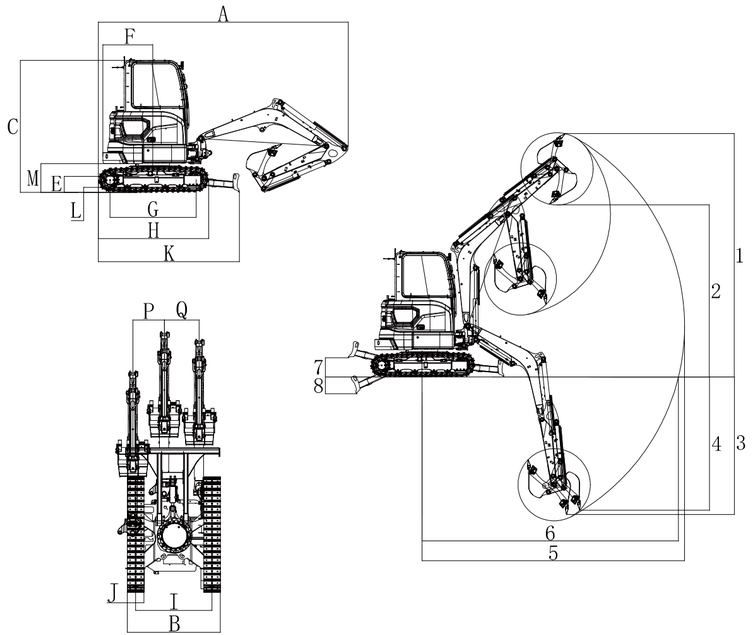
03 Product Specification

FR36F-u

A	Overall Length, mm	4730
B	Total Width of Transport, mm	1700
C	Total High Transport, mm	2470
D	Dozer Height, mm	348
E	Chassis Clearance From Ground, mm	300
F	Tail Radius, mm	850
G	Wheel Track, mm	1665
H	Track Length, mm	2100
I	Gauge, mm	1400
J	Track Width, mm	300
K	Grounding Length, mm	2614.5

L	Track Plate Height, mm	/
M	Distance of Counterweight From Ground, mm	537
1	Maximum Excavation Height, mm	4840
2	Maximum Unloading Height, mm	3425
3	Maximum Digging Depth, mm	2890
4	Maximum Vertical Digging Depth, mm	2740
5	Maximum Excavation Radius, mm	5225
6	Maximum Excavation Radius of Stopping Surface, mm	5105
7	Bulldozer Lift Height, mm	350
8	Dozer Drop Depth, mm	345



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 Z20261110

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: YANMAR 3TNV88F
- Rated Power: 18.2kW/2200rpm
- Total Machine Weight: 3800kg
- Standard Bucket Capacity: 0.12m³

FR36F-u 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

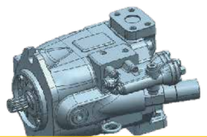
Yanmar 3TNV88F engine + Hengli hydraulic system



Yanmar engine 3TNV88F

Japan imported engine, strong performance, high reliability, low noise design;

More power, greater digging force and lower fuel consumption.



Hengli main pump

Large displacement main pump, high efficiency;

Pure made in China, strong independent service ability, fast maintenance decision



Hengli main valve

Precise distribution - the right flow rate can be allocated according to the demand of the load;

LOVOL customized main control spool, more precise micro-control;

Made in China, China core, strong independent service ability, fast maintenance decision

Reinforced Machine Body,Efficient And Reliable.

Injection Molded Fuel Tank

·Make full use of space, compact structure;
·Large capacity, high cleanliness, easy to refuel with exposed oil port.

Tailless Turning Platform

·Tailless turning platform design, smaller turning radius;
·More suitable for narrow environment operation.

Durable Chassis Structure

·Chassis 1700mm, wider and more stable;
·Optional steel track and rubber track, more suitable for working conditions.



Large Section Structure Design of Boom And Arm

·Key components, including the boom fork, rear mounting bracket and boom swing frame, are made of cast steel.
·The forked cast rear boom mounting bracket facilitates hydraulic line routing and reduces line wear.
·Boom side shift device, independent left and right deflection, narrow space corner operation;
·Boom hollow box structure, high strength steel plate with cast steel structure, higher reliability;
·The key parts of the arm and bucket are made of NM400 wear-resistant steel plate, which can increase the life by 30% compared with ordinary material.

Large-Capacity Earthmoving Bucket

·Standard 0.12m³ bucket;
·The bucket is equipped with high strength wear-resistant steel plate and high wear-resistant bucket teeth;
·Continuous design optimization, stress testing, welding techniques and sheet research to comprehensively improve the life of key structural parts;
·Multi-functional accessories: narrow bucket, crushing hammer, quick hitch, auger.

02 Product Introduction

WE AIM AT CUSTOMERS' SATISFACTION

Generation F Cabin

All cab meet the certification requirements meet TOPS/TOP GUARD standards and CE certification cab, new appearance design, proportion coordination, high-end atmosphere.



High-end
New interior layout, ergonomic, enhanced driving comfort;
High backrest, backrest can be turned over, adjust the cushion backrest hardness, more comfortable.

Handling comfort
One-button start, integrated throttle knob, shortcut function button;
Intelligent key panel, integrated throttle knob, easy to operate;
7 inch full touch screen LCD instrument, clear picture, intelligent and convenient operation;
TYPE-C/USB charging port, easy access to electricity, reliable and durable;
Add cup holders and control brackets.

Easier maintenance
The engine room is opened in three aspects to facilitate maintenance;
The three-level maintenance filter element is adopted to effectively protect the engine and extend the service life;
Standing on the ground can be maintained, safer and more convenient

03 Product Specification

FR36F-u

Main Parameters	
Operating Weight, kg	3800
Travel Speed, km/h	4.6/2.8
Swing Speed, r/min	10
Boom Length, mm	2375
Arm Length, mm	1325
Bucket Digging Force, kN	29
Arm Digging Force, kN	20.2
Max. Tracking Force, kN	32.9
Grade Ability 35, °	30
Ground Pressure, kPa	34.2

Power Module	
Engine	
Manufacturer	YANMAR
Model	3TNV88F
Number of Cylinders	3
Aspirating Method	naturally aspirated
Displacement, L	1.642
Max. Torque, N·m/rpm	91.4/1320
Rated Speed, rpm	2200
Rated Power, kW	18.2
Engine Oil	
Oil Capacity, L	6.7
Fuel Tank	
Capacity, L	40

Hydraulic Module	
Main Pump	
Max. Flow, L/min	94.1
Main Pump Type	Variable Piston Pump
Main Valve	
Maximum Flow, L/min	90
Swin Motor	
Overflow Pressure, Mpa	20.6
Travel Motor	
Overflow Pressure, Mpa	24.2
Main Safety Valve Pressure, Mpa	24.2
Hydraulic Oil Tank	
Capacity, L	20

Chassis Module	
Type	H-frame with fixed track gauge
Track	
Track Shoe Width, mm	300
Track Roller	
Quantity (one side)	4

Platform Module	
Type	Tailless

