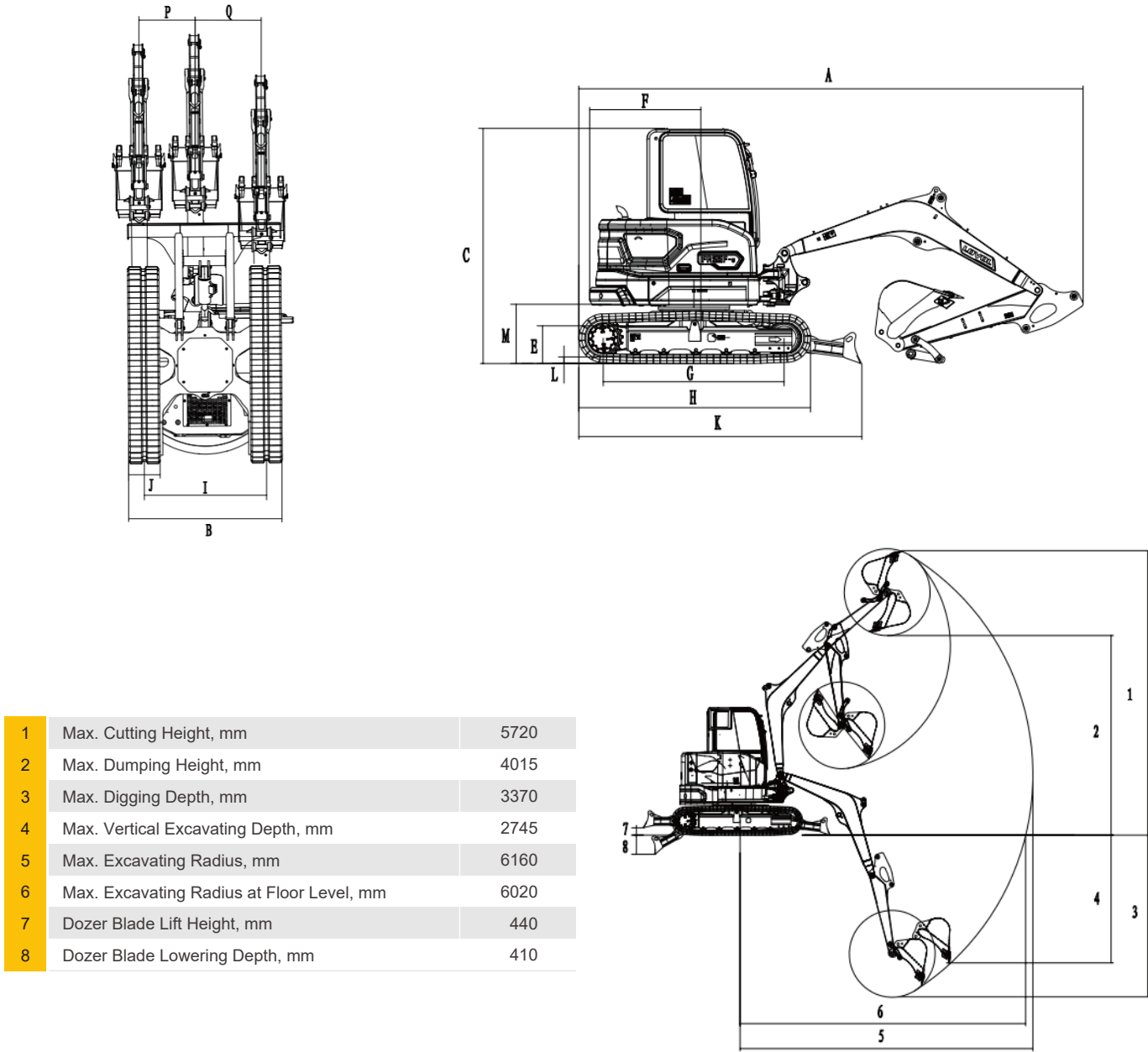


A	Overall Length In Transport Position, mm	5500	G	Wheel Base, mm	1990
B	Overall Width In Transport Position, mm	1960	H	Track Length, mm	2500
C	Overall Height In Transport Position, mm	2560	I	Track Gauge, mm	1560
D	Bulldozer Height, mm	325	J	Track Width, mm	400
B	Dozer Blade Length, mm	1960	K	Shipping Ground Length, mm	3068
E	Ground Clearance of Chassis, mm	310	L	Track Link Height, mm	97.5
F	Rear-end Swing Radius, mm	1065	M	Ground Clearance of Counter Weight, mm	628



1	Max. Cutting Height, mm	5720
2	Max. Dumping Height, mm	4015
3	Max. Digging Depth, mm	3370
4	Max. Vertical Excavating Depth, mm	2745
5	Max. Excavating Radius, mm	6160
6	Max. Excavating Radius at Floor Level, mm	6020
7	Dozer Blade Lift Height, mm	440
8	Dozer Blade Lowering Depth, mm	410

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

LOVOL HEAVY INDUSTRY GROUP CO.,LTD.

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Website:en.wlovol.com

Z20250328-2

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:
KUBOTA V2607

Rated Power:
35kW/2200rpm

Total Machine Weight:
5750kg

Standard Bucket Capacity:
0.18m³

FR55F-u EXCAVATOR

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

01

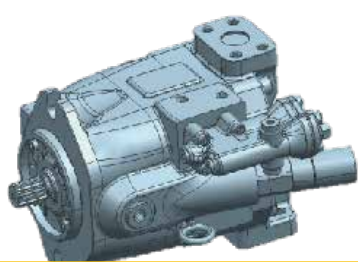
Product Introduction

LOVOL

Core Configuration Japanese imported engine and the Linde hydraulic system adjusted by Lovol feature high efficiency, large flow rate and excellent matching.



Kubota Engine V2607-CR-E3B



Hengli Main Pump



Hengli Main Valve

Reinforced Machine Body

Efficient And Reliable

Injection-Molded Fuel Tank

- Make full use of the space, featuring a compact structure.
- Have a large capacity and high cleanliness, with the oil ports exposed for convenient refueling.

Large Capacity Earthmoving Special Bucket

- Tailless rotating platform design, with a smaller turning radius.
- Boom side-shift device, allowing independent left and right side movement.
- Optional steel tracks or rubber tracks, offering stronger adaptability to various working conditions.
- More suitable for operations in tight spaces.



Large Cross-section Structure Design For Boom And Stick

- Key parts such as the boom fork, rear seat, and side shift frame are made of cast steel.
- The boom rear seat is a forked casting which facilitates the routing of hydraulic lines and reduces wear.
- The boom features a hollow box structure with high-strength steel plates combined with cast steel, offering higher reliability.
- The critical parts of the arm and bucket are made of NM400 wear-resistant steel plates, increasing lifespan by 30% compared to ordinary materials.

Tailless Rotating Platform

- Tailless rotating platform design, with a smaller rotation radius.
- Boom swing device, allowing independent left and right side shifts.
- Optional steel tracks or rubber tracks, offering stronger adaptability to various working conditions.
- More suitable for operations in confined environments.

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

The cab meets FOPS/TOPS standards and CE certification requirements, ensuring safety and compliance with European regulations. It features a brand new exterior design that is proportionate, elegant, and high-end.

Comfortable control

One-touch start, integrated throttle knob, and quick function buttons. 7-inch full touch screen LCD instrument panel with clear display and smart, convenient operation. TYPE-C/USB charging ports, additional cup holders, and armrests for increased comfort. New interior layout designed according to ergonomics for a comfortable ride. High backrest with flippable back for enhanced comfort.

Easier Maintenance

The rear engine cover is easy to open, facilitating maintenance and servicing of the engine compartment. Equipped with a three-stage maintenance filter, effectively protecting the engine and extending its service life.

03

Product Specification

FR55F-u



Main Performance

Operating Weight, kg	5750
Travel Speed, km/h	4.0/2.4
Swing Speed, r/min	10
Boom Length, mm	2780
Arm Length, mm	1635
Bucket Breakout Force, kN	42.3
Arm Crowd Force, kN	26.4
Max. Tracking Force, kN	55
Grade Ability 35, %	70
Ground Pressure, kPa	32.5



Engine

Engine	
Engine Manufacturer	KUBOTA
Engine Model	V2607
Engine Cylinder Number	4
Engine Intake Form	Self-priming
Engine Emissions, L	2.615
Max. Engine Torque, N·m/rpm	174.1/1500
Rated Speed, rpm	2200
Rated Power, kW	35.5
Engine Oil	
Engine Oil Volume, L	10.2
Fuel Tank	
Fuel Tank Capacity, L	66



Platform

Platform Form	Tail-less and Front-mounted
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Hydraulic

Main Pump	
Main Pump Manufacturer	Hengli
Main Pump Model	HP5V76
Max. Main Pump Flow, L/min	150.5
Main Pump Type	Variable plunger pump
Main Valve	
Main Valve Manufacturer	Hengli
Main Valve Model	HVSE-12-10
Number of Main Valve	1
Main Valve Type	Hydraulic control
Max. Allowable Flow Rate, L/min	120
Rotary Motor	
Rotary Motor Manufacturer	Hengli
Rotary Motor Model	HM5X27
Number of Rotary Motors	1
Overflow Pressure of Rotary Motor, Mpa	21.6
Walking Motor	
Manufacturer of Walking Motor	EDDIE
Model of Walking Motor	FTM07AA
Number of Walking Motor	2
Overflow Pressure of Walking Motor, Mpa	27
Main Safety Valve Pressure, Mpa	
28	
Hydraulic Oil Tank	
Hydraulic Tank, L	60
Chassis	
Base Frame Form	Fixed track, X-frame
Track	
Track Width	400
Track Section Number (each side)	40
Supporting Wheels	
Number of Supporting Wheels On One Side	5

