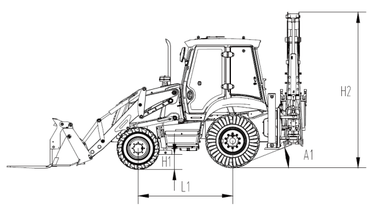
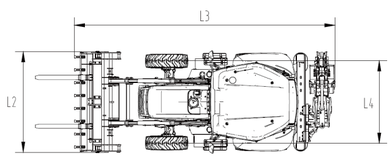
03 Product Specification

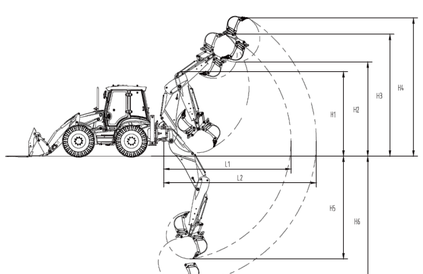
FB888H

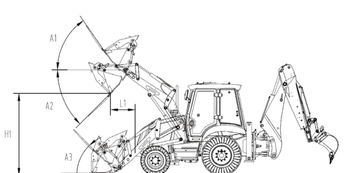
L3	Overall length, mm	6180
H2	Overall height, mm	3540
L2	Overall width, mm	2420
H1	Min. ground clearance, mm	350
A1	Departure angle, °	19
L1	Wheelbase, mm	2250
L4	Front track width, mm	1920
L4	Rear track width, mm	1790
H1	Dump height, retracted, mm	3280
H2	Dump height, extended, mm	3990

H3	Dig height, retracted, mm	5440
H4	Dig height, extended, mm	6150
H5	Dig depth, retracted, mm	4480
H6	Dig depth, extended, mm	5640
L1	Dig reach, retracted, mm	5590
L2	Dig reach, extended, mm	6670
A3	Max. rollback at ground, °	46
A1	Max. rollback at full lift, °	54
A2	Dump angle, °	42
H1	Dumping height, mm	2640
L1	Dumping reach, mm	860









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.

Address:No.75,Huanghe East Road,Huangdao District,Qingdao City, Shandong Province,China.

Website:en.wlovol.com

Z20261112

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: 904J-E36TA
- Rated Power: 82kW
- Operating Weight: 10000kg
- Loader Bucket: 1.2m³
- Backhoe Bucket: 0.2m³

FB888H

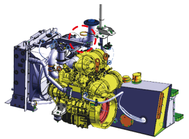
BACKHOE LOADER

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

01 Product Introduction

LOVOL

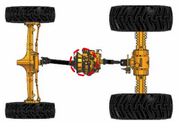
Core Components



Perkins Engine

Stage V Engine

Improved economy and response with lower fuel consumption.



Transmission

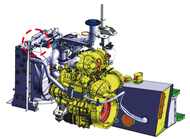
Fully electronic powershift transmission controls direction and gear changes electrically for smooth, low-shock shifting.

4 forward and 4 reverse gears suit different travel speeds.

High input-torque capacity ensures reliability.

Helical gears reduce noise and improve transmission efficiency.

Switch independently between 2WD and 4WD.



Radiator

A large frontal area provides strong cooling performance.

Cooling cores use a dual-layer parallel layout.

Built-in vibration damping improves service life and reliability.

A stronger aluminum expansion tank.

A Modine low-noise fan optimizes thermal management to save energy and reduce noise.

Reinforced Machine Body Efficient And Reliable



QUICK-COUPLER BUCKET

·A hardened, wear-resistant main cutting edge greatly improves bucket wear life.
·Welded side guards protect the bucket base.
·Heavy-duty teeth provide durable, economical service.
·Optional quick-coupler 4-in-1 buckets and forks are available.

02 Product Introduction

WE AIM AT CUSTOMERS' SATISFACTION

Cab



SAFETY

The spacious cab is ROPS/FOPS certified. Improved sealing reduces noise, while panoramic safety glass provides a clear view of the surroundings and attachment.

SEAT

A standard air-suspension seat integrates pilot joysticks and operator-presence detection. It rotates freely through 180° for quick changes between digging and loading.

HOOD

·A steel hood improves strength and resistance to high and low temperatures.
·Its sloping profile enhances visibility.
·The whole hood tilts forward for convenient service access.
·Enlarged front ventilation openings improve cooling.

SAFE AND RELIABLE

·Hydraulic interlock prevents accidental activation of functions.
·One-touch emergency stop provides reliable safety protection.
·Optimized frame strength through CAE analysis and improved noise, vibration, and harshness (NVH) performance.
·A long wheelbase of 2,250 mm ensures high machine stability.

DEDICATED CHASSIS

·A dedicated Backhoe Loader chassis is validated by CAE strength and stiffness analysis, rough-road and fatigue testing.
·One-piece, multi-bend side plates eliminate welded joints for higher structural strength.

03 Product Specification

FB888H

MACHINE DATA	
Rated load, kg	2000
Max. traction force, kN	80
Loader linkage breakout force, kN	44
Loader boom breakout force, kN	54
Backhoe bucket digging force, kN	41
Backhoe arm digging force, kN	34
Dimensions L×W×H, mm	6180×2420×3540
Min. ground clearance, mm	350
Wheelbase, mm	2250
Front track width, mm	1920
Rear track width, mm	1790
Departure angle, °	19
Front axle oscillation, °	8
Bucket outer turning radius, mm	6905
Tire-center turning radius, mm	5625
Tipping load, kN	50

LOADER ATTACHMENT	
Max. dumping height, mm	2640
Dumping reach, mm	860
Hinge-pin height, mm	3500
Boom length, mm	2500
Dump angle, °	42
Rollback angle, °	46
Standard bucket capacity, m³	1.2
Standard bucket L×W×H, mm	2420×1060×1030
Bucket weight, kg	810

BACKHOE ATTACHMENT	
Max. digging height, mm	5440/6150
Max. digging depth, mm	4480/5640
Max. digging reach, mm	5590/6670
Max. dumping height, mm	3280/3990
Standard bucket capacity, m³	0.2
Bucket weight, kg	154

FRONT TIRES	
Tire size	16/70-20
Ply rating	16
Tire pressure, MPa	0.43±0.03

REAR TIRES	
Tire size	16.9/14-28
Ply rating	14
Tire pressure, MPa	0.26±0.03

FLUID CAPACITIES	
Fuel tank, geometric, L	140
Hydraulic tank, gauge center, L	120
Engine oil, L	10.6
Transmission oil, L	19.5
Front axle, L	Final 7.5; hubs 0.8×2
Rear axle, L	Final 15; hubs 1.5×2

AXLES	
Drive type	4-wheel drive
Front axle	Steering axle
Rear axle	Wet axle
Wheel-end reduction	Hub + final reduction

STEERING HYDRAULICS	
Steering system	Hydraulic priority load-sensing
Operating pressure, MPa	18
Steering pump model	HP5V76
Displacement, ml/r	76

LOADER HYDRAULICS	
Control	Pilot control
Hydraulic system	Electronic closed-center LS
Operating pressure, MPa	25
Pump model	HP5V76
Displacement, ml/r	76
Main valve model	MX12-C29
Boom raise time, s	4
Dump time, s	3
Boom lower time, s	3.3
Total cycle time, s	10.3

BACKHOE HYDRAULICS	
Control	Pilot control
Hydraulic system	Electronic closed-center LS
Operating pressure, MPa	25
Displacement, ml/r	76
Pilot pressure, MPa	4

Transmission	
Make	Carraro
Transmission type	Carraro electronic (unequal tires)
Torque converter type	Single-stage, single-phase hydraulic
Torque ratio	2.64
Gears	4 forward / 4 reverse

BRAKES	
Service brake	Dual-pedal hydraulic-assisted
Parking brake	Mechanical caliper-disc parking
Brake pressure, MPa	4.1-5.3

ENGINE	
Model	904J-E36TA
Engine configuration	I4, WC, DI, 4-stroke, TCIC
Emissions	Stage V
Aspiration	Turbocharged
Cylinders-bore×stroke, mm	4-98×120
Displacement, L	3.621
Rated power, kW	82
Rated speed, rpm	2400
Max. torque, N·m	500
Starter, V/kW	12/3.8