

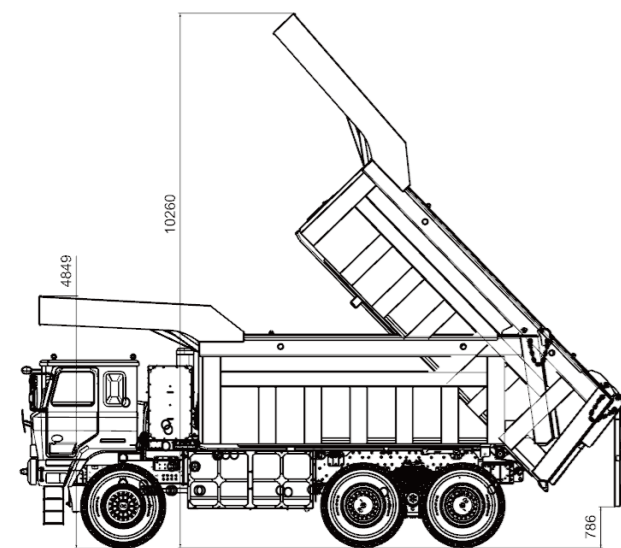
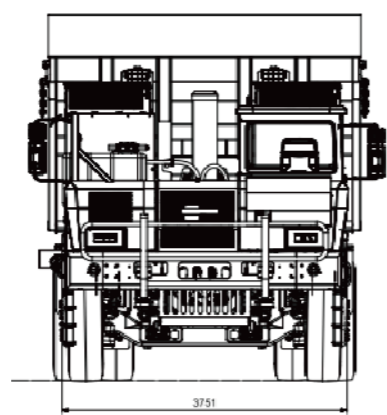
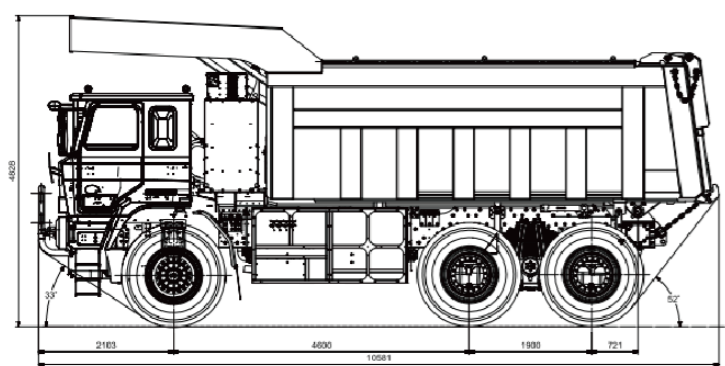
03 Product Specification



LT130E

Front of Cargo Box Weight, mm	4828
Cab Height, mm	3730
Approach Angle, °	33
Front Overhang, mm	2103
Wheelbase, mm	4600
Rear Axle Distance, mm	1900
Departure Angle, °	52

Rear of Cargo Box Height, mm	4220
Length, mm	10581
Rear Wheel Inner Width, mm	1855
Overall Length, mm	10581
Front Wheel Track, mm	3147
Rear Wheel Outer Width, mm	3967
Cargo Box Outer Width, mm	4120
Overall Width, mm	4800



Front end height of cargo box, mm	Lifting height: 10260
	Lowering height: 4849
Max lifting angle, °	46
Rear tailgate ground clearance, mm	786

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

Z20251121-1

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



Gross Vehicle Weight: 58000kg

Payload Mass: 90000kg

Battery Brand: FinDreams

Battery Level: 807.4kWh

LT130E

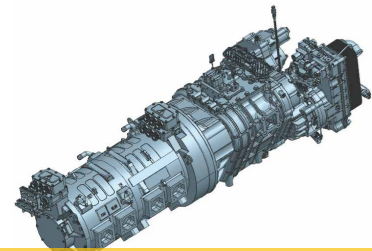
MINING TRUCK

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

01 Product Introduction

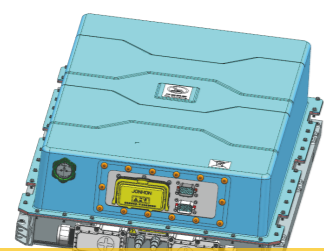
LOVOL

Core Configuration



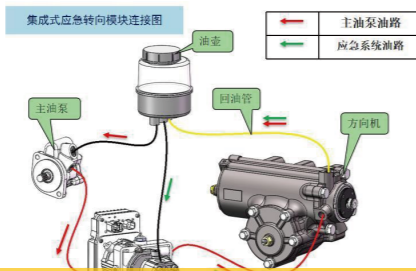
Electric Motor

High-Power Drive Motor – A 660kW rated drive motor, delivering robust power.



Battery

Tailored to real-world vehicle duty cycles, we have developed a high-reliability, high-adaptability traction battery system. The pack features heavy-duty LiFePO₄ cells purpose-built for mining applications, housed in a custom frame and enclosure that quadruples the seismic resistance mandated by national standards, ensuring rock-solid performance under the harshest mine-site conditions.



Electronic Control System

Leveraging in-house R&D and big-data insights, we deliver multi-stage regenerative braking, high-efficiency energy management and precision shift control, boosting overall vehicle economy.

Reinforced Machine Body, Efficient And Reliable.

Brake System

Multi-gear motor energy-recuperation coupled with hydraulic retarder control delivers sustained downhill braking torque for long, heavily-loaded descents, safeguarding service-brake safety.

Front Suspension System

By adopting a five-link hydro-pneumatic suspension, the chronic breakage of the front leaf-spring master leaf is eliminated and the life of key components is tripled.
All suspension pivot points are integrally cast from high-grade steel, delivering higher reliability and tighter quality control.



02 Product Introduction

WE AIM AT CUSTOMERS' SATISFACTION

Driver's Cabin



- The cab interior is built with a reinforced skeleton structure for enhanced reliability and safety;
- Equipped with an adjustable air-suspension seat for superior ride comfort;
- Standard features include HVAC and a tilt-adjustable steering wheel, creating a more comfortable working environment for the driver;
- Sun visors are installed on the front and right sides to block direct sunlight;
- Switches and control levers are ergonomically positioned for intuitive and convenient operation;
- The cab door is fitted with an auto-switch that activates the interior lighting when opened, adding a human-centered touch;
- A door-ajar switch triggers a dashboard alert if the cab door isn't fully closed, improving boarding safety.

Cargo Compartment

The rectangular dump box delivers a 50 m³ flush capacity; its floor and rear wall are fabricated from NM400 high-strength, abrasion-resistant steel—no warping, double the service life.

Rear Suspension System

Maintenance-free balance axle + combined V-type 8-thrust-rod architecture: higher load capacity, rational load paths, zero stress concentration;
The sliding fifth wheel uses a shim-block design: wear pads can be swapped out in minutes, cutting running costs and making service fast and roomy.

03 Product Specification

LT130E

Vehicle Parameter	
Gross Vehicle Weight, kg	148000
Curb Weight, kg	58000
Payload Mass, kg	90000
Overall Dimensions (L×W×H), mm	10581×4120×4828
Wheelbase, mm	4600+1900
Tread, mm	3147/2915/2915
Max. Vehicle Speed, km/h	45
Max. Gradeability, %	30
Min. Turning Diameter, m	26
Min. Ground Clearance, mm	430
Axle Load	
Laden, t	30/50/50
Engine	
Model	/
Power, kW	/
Speed, r/min	/
Torque, N·m/Speed, rpm	/
Transmission	
Model	F3E560A
Gear Position	4.504/2.889/1
Max. Input torque, N.m	5600
Drive Axle	
Type	Central, hub planetary two-stage reduction, with inter-axle differential lock
Overall Gear Ratio	18.722
Rated Axle Load, kg	50000
Brake Type	Cam Drum Brake
Front Axle	
Rated Axle Load, kg	30000
Brake Type	Cam Drum Brake
Air Filter Assembly	
Model	/
Radiator	
Structure	Plate-fin Radiator
Battery System	
Battery Capacity, kWh	807.4 LiFePO ₄

Steering System	
Booster Type	Full hydraulic steering
System Pressure, Mpa	16
Flow, L/min	60
Braking System	
Service Brake	Double-circuit drum type air brake
Parking Brake	Spring energy-storage air-break braking, with emergency braking
Auxiliary Brake	Motor + Regenerative braking + Hydraulic retarder
System Pressure, bar	10
Parking Slope, %	30 (uphill)/20 (downhill)
Suspension	
Front Suspension	Five-link hydro-pneumatic suspension (200/170-240)
Thickness/Width/Number of Leaf Springs	/
Rear Suspension	Leaf spring equalizer suspension
Thickness /Width /Number of Leaf Springs	34/140/14
Dumping lift mechanism	
Type	Front-Mounted Lift - 228
Nominal Pressure, MPa	22
Max. Dumping Angle, °	46
Driver's Cabin	
Type	Left hand drive, Semi-Floating, Narrow cab
Shock-absorbing Seat	Upward/downward, forward/rearward adjustable, backrest angle adjustable
Frame	
Type	High-strength steel flexible frame (1200×450×140 (12+12+10))
Cargo Compartment	
Carriage Box Volume Capacity (Flat Carriage), m ³	50
Wheel	
Tyre Model	480/95R29 ★★★
Rim Model	13.00/2.5-29
Electrical System	
Power Supply	24V single wire system, negative earth
Starting Method	Key switch