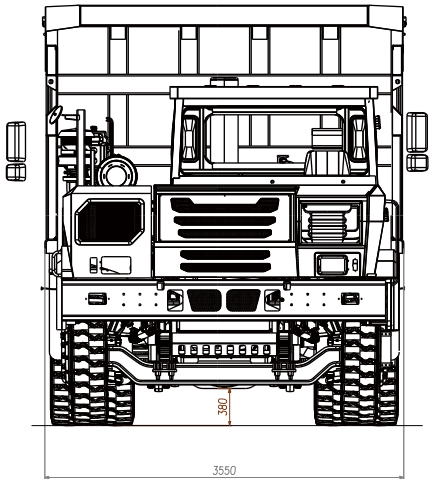
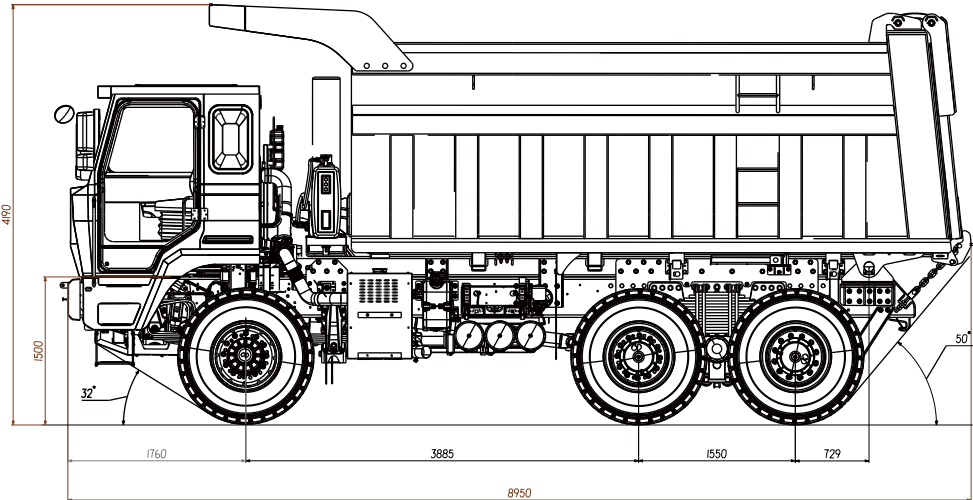


Standard Cargo Box, m³	32	Gross Vehicle Weight, t	90
Rated Power, kW	338	Chassis Permissible Payload, t	80
Technical Route	Flexible Frame	Overall Dimensions (L×W×H) , mm	8950×3550×4190
Engine	WEICHAI WP12	Wheelbase, mm	3885+1550
Engine Displacement, L	12	Max. Vehicle Speed, km/h	40
Main Components of Full Hydraulic Steering System	Eaton	Max. Gradeability, %	30
Transmission	7DS200	Min. Turning Diameter, m	23
Tires	14.00R25★★★	Min. Ground Clearance, mm	380
Front Suspension	Single Skateboard (20T front axle)	Drive Axle Rated Load Capacity, t	35
Rear Suspension	Combination V-type 8-link Thrust Rod Leaf Spring Suspension	Main and Auxiliary Frame Width, mm	1200



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

Z20250418-1

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:
90000kg

Payload Mass:
60000kg

Engine Model:
WP13G530E310

Engine Power:
390kW

LT90

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

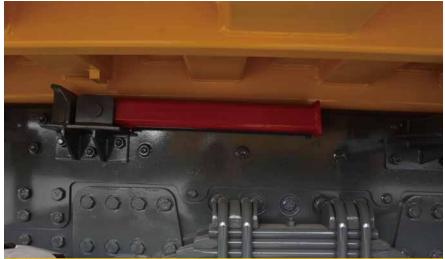
Efficient, Reliable & Flexible Choice



Engine

Weichai's high market share 12L engine, featuring strong power and solid reliability;

With substantial reserve power, the power system is more reliable, offering greater torque, better economy, and proven performance in significantly reducing specific fuel consumption for cargo transportation, leading to a marked improvement in overall user benefits.



Frame

Ultra-wide flexible frame with high stability against bending and torsion, excellent lateral stability of the vehicle, adaptable to various types of mining roads.



Front Suspension

The structure with a front pintle and a rear skateboard allows for quick stress release when driving on rough roads, ensuring a comfortable ride.

Reinforced Machine Body Efficient And Reliable

Fuel Tank

·600L high-capacity steel fuel tank enables extended operation for dual-shift mining applications.



Cargo Compartment

·Wear-resistant steel cargo box with reinforced structure delivers 32 m³ struck capacity, doubling transport efficiency.

Air Reservoir

·High-capacity air reservoirs ensure continuous downhill braking performance.
·German VOSS quick-connect brake lines guarantee supreme sealing integrity.

Tires

·14.00R25 tires deliver superior cut/puncture resistance, enhanced load capacity, and extended service life.

02

Product Introduction

WE AIM AT
CUSTOMERS'
SATISFACTION

Driver's Cabin



·Full skeletal cab with high strength and noise levels that meet bus standards.

·Standard mining-specific seats with a wider seat surface for more comfort.

·Fully hydraulic steering is light and precise.

·Independent steering pump ensures the steering system is stable and reliable.

03

Product Specification



Vehicle Parameter	
Gross Vehicle Weight, kg	90000
Curb Weight, kg	32550
Payload Mass, kg	60000
Overall Dimensions (L×W×H), mm	9360×3600×4190
Wheelbase, mm	3700+1780
Tread, mm	2610 (Front 2734)
Max. Vehicle Speed, km/h	40
Max. Gradeability, %	30
Min. Turning Diameter, m	20
Min. Ground Clearance, mm	390

Axle Load	
Laden, t	20/35/35

Engine	
Model	WP13G530E310
Power, kW	390
Speed, r/min	2100
Torque,N·m/Speed, rpm	2300/(1200-1600)

Transmission	
Model	FC6A250
Gear Position	4.40/2.33/1.53/1.00/0.72/0.61/R3.97
Max. Input torque, N.m	2400

Drive Axle	
Type	Central, hub planetary two-stage reduction, with inter-axle differential lock
Overall Gear Ratio	18.385
Rated Axle Load,kg	35000
Brake Type	Cam drum brake

Front Axle	
Rated Axle Load, kg	20000
Brake Type	Cam Drum Brake

Air Filter Assembly	
Model	Multi-stage desert air filter

Radiator	
Structure	Plate-fin Radiator

Fuel System	
Volume, L	600

Steering System	
Booster Type	Full hydraulic steering
System Pressure, Mpa	17
Flow, L/min	40

Braking System	
Service Brake	Double-circuit drum type air brake
Parking Brake	Spring energy-storage air-break braking, with emergency braking
Auxiliary Brake	Engine exhaust braking+WEVB
System Pressure, bar	10
Parking Slope, %	30 (uphill)/20 (downhill)

Suspension	
Front Suspension	Longitudinal leaf spring
Thickness/Width /Number of Leaf Springs	20/100/13
Rear Suspension	Leaf spring equalizer suspension
Thickness /Width /Number of Leaf Springs	32/100/13

Dumping lift mechanism	
Type	Hyva-191
Nominal Pressure, MPa	20
Max. Dumping Angle, °	46

Driver's Cabin	
Type	Right hand drive, semi-floating, narrow cab
Shock-absorbing Seat	Upward/downward, forward/rearward adjustable, backrest angle adjustable

Frame	
Type	High-strength steel flexible frame (1200×450×130 (12+12))

Cargo Compartment	
Carriage Box Volume Capacity (Flat Carriage), m³	32

Wheel	
Tyre Model	16.00R25 ★★★
Rim Model	11.25-25

Electrical System	
Power Supply	24V single wire system, negative earth
Starting Method	Key switch