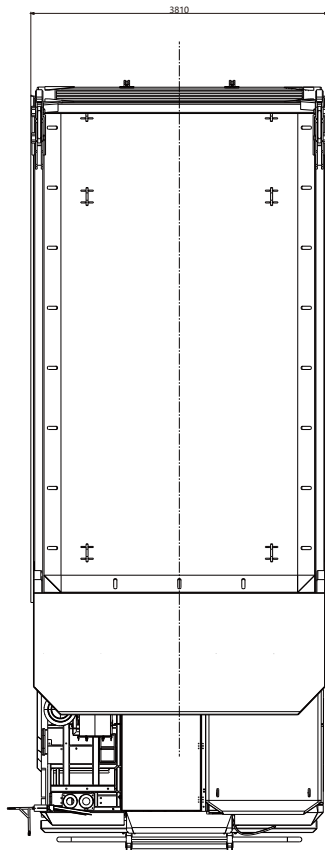
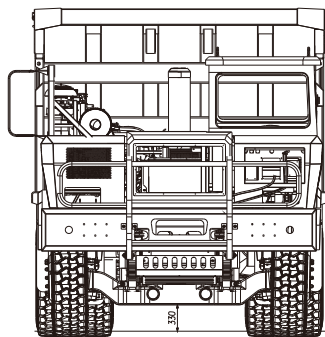
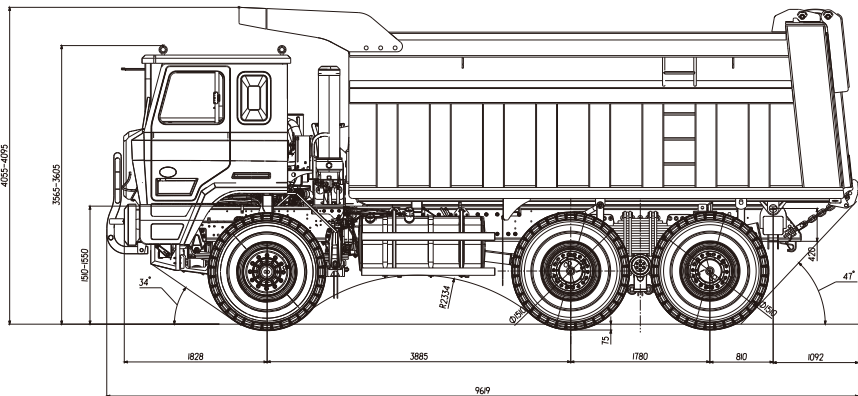


# 03 Product Specification



Standard Cargo Box, m³	38-40
Rated Power, kW	562
Technical Route	Flexible Frame
Engine	WEICHAI WP14TG765E304
Engine Displacement, L	13.5
Main Components of Full Hydraulic Steering System	Eaton
Transmission	8DS240A
Tires	16.00R25★★★
Front Suspension	Single Skateboard
Rear Suspension	Combination V-type 8-link Thrust Rod Leaf Spring Suspension; Φ136 Maintenance-Free Balance Shaft.

Gross Vehicle Weight, t	105
Chassis Permissible Payload, t	90
Overall Dimensions (L×W×H) , mm	9390×3810×4045
Wheelbase, mm	3885+1780
Max. Vehicle Speed, km/h	38
Max. Gradeability, %	30
Min. Turning Diameter, m	23.5
Min. Ground Clearance, mm	390
Drive Axle Rated Load Capacity, t	40
Main 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

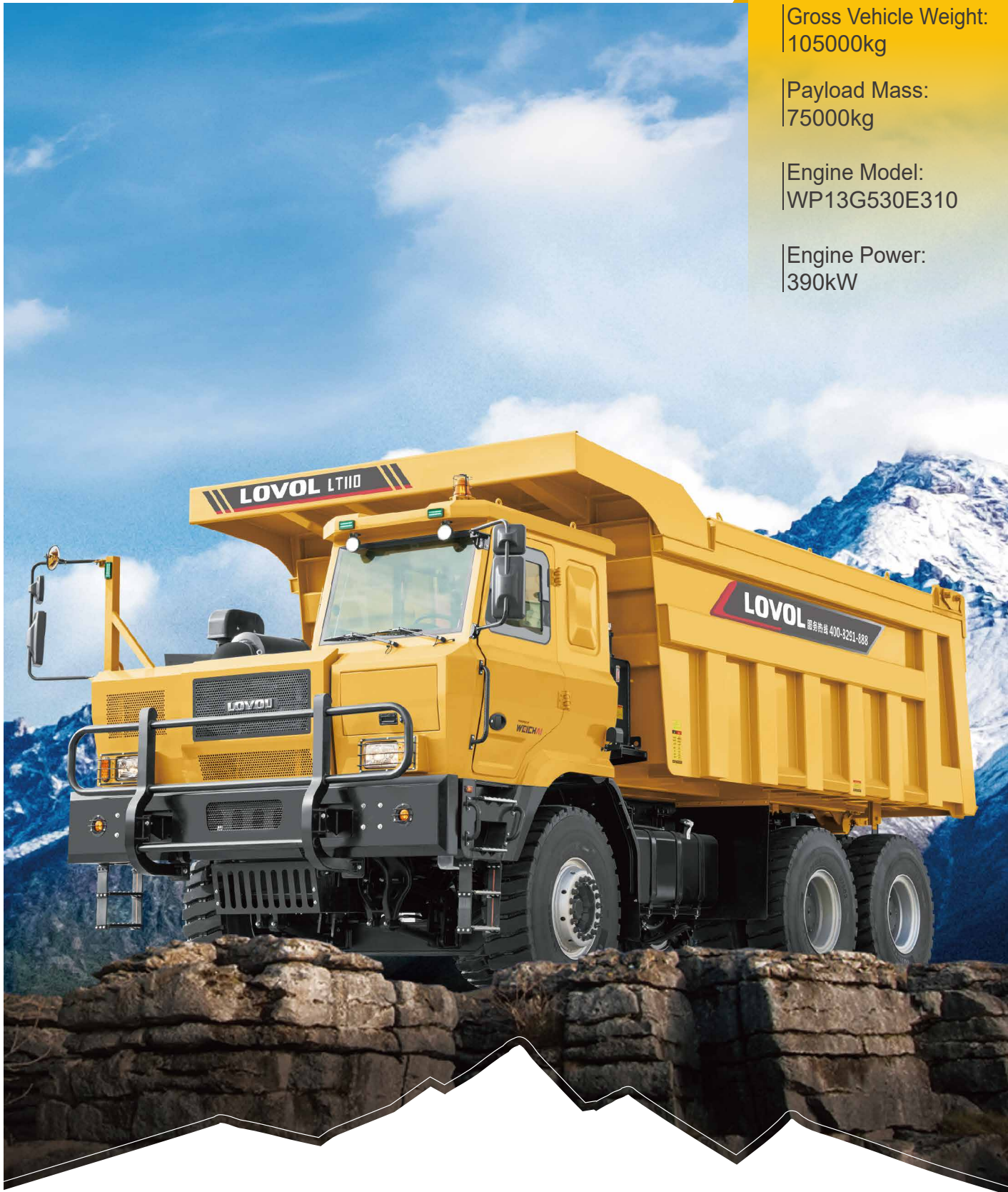
### LOVOL HEAVY INDUSTRY GROUP CO.,LTD.

Address:No.75,Huanghe East Road,Huangdao District,Qingdao City, Shandong Province,China.  
Website:en.wlovol.com  
Z20250418-2

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



Gross Vehicle Weight:  
105000kg

Payload Mass:  
75000kg

Engine Model:  
WP13G530E310

Engine Power:  
390kW

LT110

MINING TRUCK

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

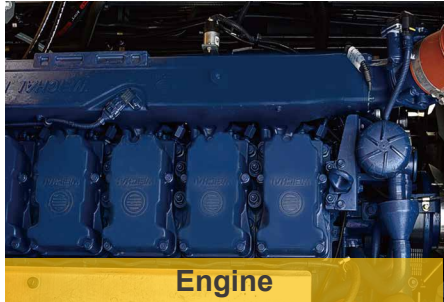


# 01

## Product Introduction

LOVOL

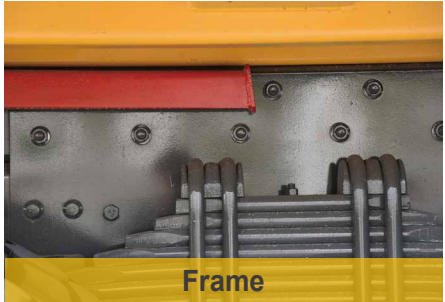
### Efficient, Reliable & Flexible Choice



Engine

Weichai High-Efficiency 14L Engine + Fast Transmission + Hande Axle;

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

Industry's Widest Main Frame (1,200mm) – Exceptional Bending & Torsional Rigidity for Reliable Performance. Enhanced Lateral Stability to Conquer All Mining Terrains.



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

·700L high-capacity steel fuel tank enables extended operation for dual-shift mining applications.



#### Cargo Compartment

·Wear-resistant steel cargo box with reinforced structure delivers 38 m³ struck capacity, doubling transport efficiency.

#### Air Reservoir

·German VOSS Pneumatic Connectors – Optimized Pressure Retention Performance.  
·Oversized Air Reservoir for Enhanced Braking Safety.

#### Tires

·Specialized mining tires, with better puncture and cut resistance, stronger load-bearing capacity, and longer service life.

# 02

## Product Introduction

WE AIM AT  
CUSTOMERS'  
SATISFACTION

### Driver's Cabin



•Full-Skeleton Wide-Body Cab with Superior Soundproofing & Sealing Performance.

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

•Fully hydraulic steering is light and precise.

•Eaton Full Hydraulic Steering Gear with Priority Valve (6 N·m).

# 03

## Product Specification

LT110

Vehicle Parameter	
Gross Vehicle Weight, kg	105000
Curb Weight, kg	36400
Payload Mass, kg	75000
Overall Dimensions (L×W×H), mm	9350×3810×4180
Wheelbase, mm	3885+1780
Tread, mm	2638 (Front 2734)
Max. Vehicle Speed, km/h	38
Max. Gradeability, %	30
Min. Turning Diameter, m	23.5
Min. Ground Clearance, mm	390

Axle Load	
Laden, t	25/40/40

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

Clutch	
Model	430 Single-Disc Pull-Type; Hydraulic-Pneumatic Booster

Transmission	
Model	8DS240A
Gear Position	8.15/6.01/4.11/3.05/2.12/1.45/1/0.83/R7.57
Max. Input torque, N.m	2400

Drive Axle	
Type	Central, hub planetary two-stage reduction, with inter-axle differential lock
Overall Gear Ratio	18.722
Rated Axle Load, kg	40000
Brake Type	Cam drum brake

Front Axle	
Rated Axle Load, kg	25000
Brake Type	Cam Drum Brake

Air Filter Assembly	
Model	Multi-stage desert air filter

Radiator	
Structure	Plate-fin Radiator

Fuel System	
Volume, L	700L aluminum fuel tank

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 Front Spring Eye + Rear Sliding Plate Type
Thickness/Width /Number of Leaf Springs	20/100/15
Rear Suspension	Leaf spring equalizer suspension
Thickness /Width /Number of Leaf Springs	32/100/15

Dumping lift mechanism	
Type	Front-Mounted Lift - 196
Nominal Pressure, MPa	20
Max. Dumping Angle, °	46

Driver's Cabin	
Type	Left hand drive, Semi-Floating, 46° Front-Tilting
Shock-absorbing Seat	Upward/downward, forward/rearward adjustable, backrest angle adjustable

Frame	
Type	High-strength steel flexible frame (1200×450×130 (12+12+8) )

Cargo Compartment	
Carriage Box Volume Capacity (Flat Carriage), m³	38

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

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