



LT110 | SOLID AND RELIABLE
FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):105000
Overall dimensions (L×W×H) (mm):9350×3810×4180
Curb weight (kg):36400

LT110

**DUMP MINING
TRUCK**

SPECIFICATIONS

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)	2734/2630/2630
Max. vehicle speed (km/h)	38
Max. gradeability (%)	30
Min. turning diameter (m)	24
Min. ground clearance (mm)	400
AXLE LOAD	
Laden (t)	25/40/40
ENGINE	
Model	WP13G530E310(Stage 3)
Power (kW)	390
Speed (r/min)	2100
Torque (N·m)/speed (rpm)	2300/(1200-1600)
CLUTCH	
Model	430 Single-chip pull, hydro-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 dust air filter
WHEEL	
Tyre Size	16.00R25 ★★ ★
Rim Size	11.25-25
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 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 rolled lugs and back slide plate
Thickness / width / number of leaf springs	20/100/15
Rear suspension	Leaf spring balance suspension
Thickness / width / number of leaf springs	32/100/15
DUMPING LIFT MECHANISM	
Type	Front lift-196
Rated Pressure (Mpa)	20
Max. dumping angle (°)	46
DRIVER'S CABIN	
Type	Left hand drive, semi-floating , forward 46°
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	
L×W×H (mm)	6200×3500×1750
Carriage box volume capacity (m3) (Flat carriage)	38
Plate thickness	D16H10(NM400)、B10(T700)
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch