

LT120 | SOLID AND RELIABLE FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):120000

Overall dimensions (L×W×H) (mm):9400×3810×4250

Curb weight (kg):36600



LT120 DUMP MINING TRUCK

SPECIFICATIONS

VEHICLE PARAMETER	
Gross vehicle weight (kg)	120000
Curb weight (kg)	36600
Payload mass (kg)	85000
Overall dimensions (L×W×H) (mm)	9400×3810×4250
Wheelbase (mm)	3950+1780
Tread (mm)	2934/2634/2634
Max. vehicle speed (km/h)	39
Max. gradeability (%)	30
Min. turning diameter (m)	23
Min. ground clearance (mm)	410
AXLE LOAD	
Laden (t)	30/40/40
ENGINE	
Model	WP14TG560E304(Stage 3)
Power (kW)	412
Speed (r/min)	1900
Torque (N*m)/speed (rpm)	2885/(1200-1500)
CLUTCH	
Model	Pull type single chip clutch
TRANSMISSION	
Model	8DS280
Gear position	8.02、5.66、4.06、2.93、2.1、1.45、1、0.82 R7.45
Max. input torque (N.m)	2800
DRIVE AXLE	
Type	Central, hub planetary two-stage reduction with inter-axle differential lock
Overall gear ratio	16.641
Rated axle load (kg)	40000
Brake type	Cam drum brake
FRONT AXLE	
Rated axle load (kg)	30000
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 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	Jacobs Braking
System pressure (bar)	10
Parking slope (%)	30 (uphill)/20 (downhill)
SUSPENSION	
Front suspension	Five-thrust rod hydro-pneumatic suspension
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
Shock-absorbing seat	Upward/downward, forward/rearward adjustable, backrest angle adjustable
FRAME	
Type	High-strength steel flexible frame (1200×400×120(12+12))
CARGO COMPARTMENT	
L×W×H(mm)	6200×3500×1950
Carriage box volume capacity (m3) (Flat carriage)	43
late thickness	D16H10(NM400)、B10(T700)
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch