

LT90 | SOLID AND RELIABLE FLEXIBLE UNIVERSITIES

Gross vehicle weight (kg):90000
Overall dimensions (L×W×H) (mm):8950×3550×4150
Curb weight (kg):32000



LT90

DUMP MINING
TRUCK

SPECIFICATIONS

VEHICLE PARAMETER	
Gross vehicle weight (kg)	90000
Curb weight (kg)	32000
Payload mass (kg)	60000
Overall dimensions (L×W×H) (mm)	8950×3550×4150
Wheelbase (mm)	3800+1550
Tread (mm)	2606(Front2656)
Max. gradeability (%)	30
Min. turning diameter (m)	22
Min. ground clearance (mm)	380
Max. vehicle speed (km/h)	40/38
AXLE LOAD	
Laden (t)	20/35/35
ENGINE	
Model	WP12G/13G
Power (kW)	316/338/390
Speed (r/min)	2100
Torque (N*m)	1870/2000/2300
CLUTCH	
Model	430 Single-chip pull, hydro-pneumatic booster
TRANSMISSION	
Model	7DS200/8DS240A
Gear position	9.14, 6.7, 4.85, 3.6, 2.65, 1.61, 1, R8.51 / 8.15, 6.01, 4.11, 3.05, 2.12, 1.45, 1, 0.83 R7.57
Max. input torque (N.m)	2000/2400
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DRIVE AXLE	
Type	Central, hub planetary two-stage reduction with inter-axle differential lock
Overall gear ratio	12.87/16.086/18.385
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 dust air filter
WHEEL	
Tyre Size	14.00R25 ★★ ★
Rim Size	10.00-25

RADIATOR	
Structure	Plate-fin Radiator
FUEL SYSTEM	
Volume (L)	600L
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+WVEVB
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 balance suspension
Thickness / width / number of leaf springs	29/100/15
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))
CARGO COMPARTMENT	
L×W×H (mm)	5800×3300×1700
Carriage box volume capacity (m3) (Flat carriage)	32
late thickness	D16H10 (NM400) 、B10 (T700)
ELECTRICAL SYSTEM	
Power supply	24V single wire system, negative earth
Starting method	Key switch