



BZKD32 Mining Dump Truck

The BZKD32 Rigid Dump truck is with Top Performance. Developed specifically for mining, quarry and construction applications, the Off-Highway Trucks keep material moving at high volume to lower cost-per ton. reliable, durable, dependable. Rugged construction and easy maintenance procedures ensure long life with low operating costs.

Vehicle main technical parameter	
N.V.W.	21000kg
Payload	32000kg
G.V.W.	53000kg
Overall dimensions (L×W×H)	7496×3710×3670mm
Wheel bass	3350mm
Track	Front: 2680mm Rear: 2350mm
Top speed	50km/h
Max.gradeability	≥35%
Min. turning radius	≤8.5m
Body hoist	Tipping and falling time of body ≤14sec

Shanghai Longji Construction Machinery Co., Ltd.

Add: Room 1311, Building C, Lane 58, No.1 East Xinjian Road, Minhang District, Shanghai City, China

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Body capacity	Struck 16 m ³ Heaped (SAE2:1) : 21m ³
Model of tyres	18.00-25
Electrical system voltage	24V
Engine	
Model	Cummins M11-C330
Bore X stroke	125 X147mm
Total displacement	10.8L
Max. power	246kw/2100r/min
Max.torque	1458N.m/1300r/min
Clutch	
Type	Double-plate dry clutch 15"
Transmission	
Model	Eaton MRT-12710B with forward 10 and reverse 2
Drive ratio: Forward Gears 1	14.78
Drive ratio: Forward Gears 2	11.0
Drive ratio: Forward Gears 3	8.17
Drive ratio: Forward Gears 4	6.00
Drive ratio: Forward Gears 5	4.46
Drive ratio: Forward Gears 6	3.31
Drive ratio: Forward Gears 7	2.46
Drive ratio: Forward Gears 8	1.83
Drive ratio: Forward Gears 9	1.34
Drive ratio: Forward Gears 10	1.00
Drive ratio: reverse Gears 1	15.10
Drive ratio: reverse Gears 2	3.38
Front Axle	
Type	Independent air over hydraulic piston suspension. Suspension pistons serves as king pins.
Caster angle	0°
King pin angle	6°
Camber angle	1.5°
Toe in	0-6.5mm
Drive axle	
Type of main reduction	Main reduction with heavy duty single stage spiral bevel gear
Main reduction ratio	2.4:1

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Type of hub reduction	3 planetary gear reduction system
Ratio	4.94:1
Type of axle shaft	full-floating
Total ratio	11.86:1
Steering	
Type	Full hydraulic steering system
Working pressure	12.25MPa
Suspension	
Type	Independent air over hydraulic suspension units on front wheels and air over hydraulic units on rear axle.. Front suspension cylinders bolted and keyed directly onto chassis. Pistons act as front wheel king pins maintaining correct degree of camber.
Cabin	
Type	Ergonomically designed, all steel construction, left hand drive cabin with adjustable seat that is fully thermal and noise insulated. Instrumental panel with gauges, warning and indicator lamps. All controls and levers are located for ease of operation. Automotive safety glass all round for maximum operator protection.
Dump body	
Type	The body wedge profile assures a quick clean discharge. Body plate and under floor ribs are manufactures from high point steel. Exhaust heating is standard at the bottom of body, A body prop is standard enabling the body to be safely retained for maintenance

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