

DEPENDABLE & DURABLE



MINING ARTICULATED DUMP TRUCK

XDA45

Product Specifications

RATED PAYLOAD
41,000 kg

OUTPUT POWER
350 kW / 1800 rpm

OVERALL DIMENSIONS
11070 x 3950 x 3846 mm

ENGINE
Benz OM502

SPECIFICATIONS

By using this powerful, energy-efficient, and comfortable King of Mine Off-Road Truck in mining operations, it can meet the demands of high-efficiency work in all conditions. The Articulated Dump Truck XDA45 utilises exclusive real-time six-wheel drive technology, adaptive technology for all-terrain driving, boasting exceptional levels of safety, reliability, and intelligence.

CONFIGURATION

- Engine
- Transmission
- Transfer Case
- Axles
- Rater Power (kW)
- 2:1 Storage Volume/m³

SAFETY

- Anti-skid steps and platform
- Steering limit lock
- Safety limit lock for the cargo compartment
- Handrail
- Rear window protecting net for the cab
- Rear-view mirror
- FOPS & ROPS cab
- Wiper
- Hand-held fire extinguisher

POWER TRANSMISSION SYSTEM

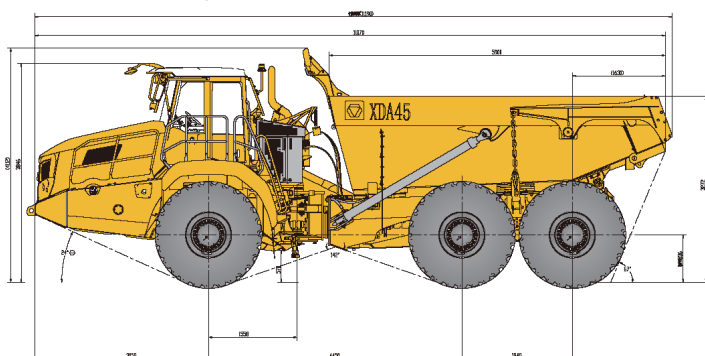
- Non-road Euro III
- Delayed engine shutdown
- User-friendly engine oil drain valve
- Decompression brake
- Inter-axle differential lock
- Full-automatic transmission
- Transmission hydraulic retarder
- Liquid-filled torque converter with lock-up
- Transfer case with longitudinal differential lock

CARGO COMPARTMENT

- High-strength wear-resistant cargo compartment
- Heating kit for the cargo compartment

TIRE

- 29.5R25 Sanxing



ELECTRICAL SYSTEM

- Battery isolation switch
- Jump starter
- 24V power socket
- Halogen from lights
- LED reverse lights
- LED work lights
- LED signal lights
- Alarm lights
- Button backlight
- Cab lighting
- Electric high-tone horn
- Reverse alarm

BRAKE SYSTEM

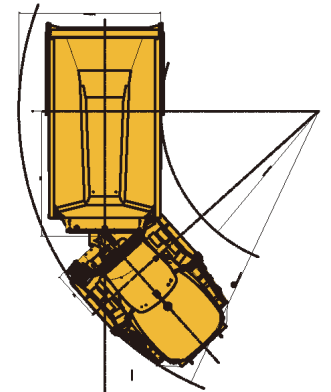
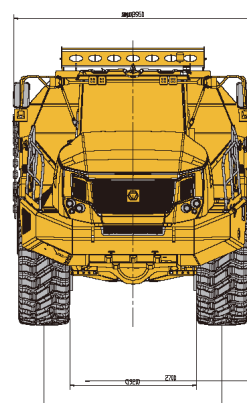
- Load and dump brakes
- Air-controlled parking brake
- Full-axle wet brakes

COMFORT

- A seat with a two-point seat belt and air suspension
- The instructor's seat, complete with a seat belt
- Cigarette lighter
- Ashtray
- Sliding Windows
- Radio and sound system with USB interface
- Sunvisor
- Telescopic and tiltable steering wheel
- A/C system with fresh air supply
- Electric hood opening

MAINTENANCE & SERVICE

- Manual centralised lubrication system
- Accompanying tool kit



ENGINE

Model	Benz OM502
Rated Power	350 kW / 1800 rpm
Engine HP	476 hp
Full Torque	2300 Nm

ELECTRICAL SYSTEM

Voltage	24 V
Battery	2 x 12 V
Battery Capacity	2 x 75 Ah
Alternator	2.24 / 80 KW/A
Starting Motor	6.7 kW

TRANSMISSION SYSTEM

Torque Converter	TC541(1.9) Allison
Transmission	4800ORS Allison
Transfer Case	W4640 Kessler
Axles	XCM08 Kessler

CAB

Interior Noise Level	74 dB
Exterior Noise Level	115 dB
Max. Working Pressure of Hydraulic System	27.5 Mpa
Lifting Angle	70°
Lifting Time	12 s
Lowering Time	13 s

CARGO COMPARTMENT

Front Plate	8 mm
Side Plate	12 mm
Bottom Plate	16 mm
Material	NM400

VOLUME OF CARGO COMPARTMENT

Rated Load	41000 kg
Level Loading	19.5 m ³
2:1 Stowage	25 m ³
Struck	20 m ³
2:1 Stowage	26 m ³

FILLING CAPACITY

Crankcase	40 L
Fuel Tank	500 L
Cooling System	100 L
Transmission	48 L
Transfer Case	11 L
Axles	179 L
Hydraulic Oil Tank	300 L

OPERATING WEIGHT (NO-LOAD)

Tire	29.5R25
Forward	17000 kg
Rear	17000 kg
Headquarters	34000 kg
Payload	41000 kg

SPEED

Forward	1	4.6 km/h	5	30.4 km/h
	2	6.7 km/h	6	41.2 km/h
	3	15.9 km/h	7	51 km/h
	4	21.2 km/h		
Backward	1	5.6 km/h		

TOTAL WEIGHT

Tire	29.5R25
Forward	22500 kg
Rear	52500 kg
Headquarters	75000 kg

ENGINE

Overall Length of Truck	11070 mm
Overall Width of Truck	3950 mm
Overall Height of Truck	3846 mm
Front-Mid Axle Distance	4450 mm
Mid-Rear Axle Distance	1940 mm
Wheel Centre Distance	Front 2700 mm
	Rear 2700 mm
Gross Weight of Truck	75000 kg
Rated Load	41000 kg
No-Load Weight of Truck	34000 kg

