<text><text>

Rated power at 1900 rpm, kW (hp) Maximum torque at 1300 rpm, N*m Number of cylinders Cylinder displacement, l	783 (1050) 4630 12 30	
Cylinder diameter, mm	140	
Piston stroke, mm	165	
Specific fuel consumption		
at rated power, g/kW*h	199	
Air is cleaned by three-stage filter with dry-type elements.		
Engine exhaust is routed through dump truck bod	у.	
Circulating and pressurized lubrication system wit		
Single-loop fluid cooling system with forced circula	ation.	
Oil is cooled by oil-to-water heat exchanger.		
Fluid preheating system.		
Electric starting system.		
Electric system voltage, V	24	

Transmission

Engine

AC drive with traction alternator, two traction motors, motor-in-wheel reduction units, adjustment and control devices. Maximum dump truck speed, km/h 64 Motor-in-wheel reduction unit ratio 30.36

Traction alternator	SGT 700-8UHL2
Traction motor	TAD-320-6V3

Suspension

Conventional suspension for front and rear wheels with pneumohydraulic (nitrogen and oil) cylinders with inbuilt hydraulic shock absorber; two cylinders are on the front axle and two cylinders are on the rear axle. Cylinder piston stroke, mm:

front	260
rear	210

C	•	_
Ste	erin	Q
		o

Hydrostatic steering with steerable front wheels.
Steering angle, degree
Turning radius, m
Overall turning diameter, m
The steering meets ISO 5010 requirements.

Hydraulic system

38 11 24

Combined hydraulic system for body dumping gear, steering and brakes. Three-stage telescopic body lifting cylinders with one stage of double action.

Variable-displacement axial-piston oil pump.	
Body lifting time, s	21
Body lowering time, s	19
Maximum pressure in hydraulic system, MPa	18
Maximum pump delivery at 1900 rpm, dm ³ /min	474
Filtration degree, µm	10

Cab

Two-man two-door cab with air-sprung adjustable driver seat, additional trainee seat. The cab meets EN 474-1 and EN 474-6 requirements for in-cab noise, vibration, content of hazardous substances and dust. Driver's workplace meets ROPS safety requirements.

In-cab noise level is not more than 80 dB(A).

Body

BELAZ

Welded bucket-type body with FOPS, ROPS, engine exhaust heating, device for mechanical fixing in raised position, rock-fenders and rock-ejectors. Body capacity, m³:

2:1

CILY, III .	
struck	heaped
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

75585

Frame

Welded high-strength low-alloy steel frame. Box-section variable-height sidemembers are interconnected by cross-members. Cast elements are used in places of maximum loading.

Brake system

Brake system meets international safety regulations and requirements of ISO 3450 and includes service, parking, auxiliary and emergency brakes. *Service brakes:*

front wheels – dry single-disk brakes with two brake gears per disk and automatic gap adjustment;

rear wheels – dry single-disk brakes with one brake gear per disk and automatic gap adjustment.

Parking brakes:

Permanently closed brakes of rear wheels, spring drive and hydraulic control. *Auxiliary brakes:*

Electrodynamic braking by traction motors in generator mode with forced cooling of brake resistors.

Emergency brakes:

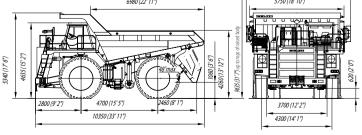
Parking brake and operable circuit of service brakes.

Brake resistors	UVIR 2x600
Dissipated power, kW	1200

Special equipment

Remotely actuated fire extinguishing system (standard) Starting preheater (standard, excepting tropicalized dump trucks) Video observation system (standard) Centralized automatic lubrication system (standard) Telemetering tire-pressure monitoring system (standard) High-voltage line approach attention device (standard) Loading and fuel control system (standard) Heating and conditioning unit (standard) Body floor lining (optional)





Overall dimensions are specified for basic configuration of the dump truck.

The above specifications are subject to change without notice due to the continuous improvement of the vehicle design.

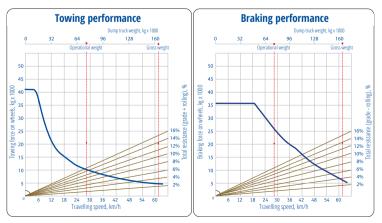
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Maximum payload capacity	, kg	90000	
Unladen weight, kg		74000	
Gross weight, kg		164000	
Dump truck weight distribu	tion on axles, %:		
	unloaded	loaded	
front axle	50.9	33.0	
rear axle	49.1	67.0	

		Refill ca
Fuel tank		1105
Engine cooling system (trop	icalized dump truck)	260 (380)
Engine lubrication system	•	140
Hydraulic system		510
Motor-in-wheel reducers		80 (40x2)
Suspension cylinders:		
front	31.4 (15.7x2)	
rear	58.0 (29.0x2)	

Tires

Pneumatic, tubeless tires. Open cast mine tread pattern.Tire designation27.00R49; 31/90-49Tire inflation pressure as recommended by tire producerRim designation19.50-49/4.0

Towing and braking performance



Weight

capacities, I

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