BELAZ

MINING DUMP TRUCK
BELAZ-7531H

244,5 MT

HIGH EFFICIENCY

☑ Advanced AC transmission gear in combination with engine of 2535 h.p.

☑ Efficient hydraulic system using adjustable axial-piston pump

High-strength frame and body – extended operation period

COMFORTABLE AND SAFE OPERATION

☑ Video-viewing system

☑ Automatic fire-fighting system

☑ Unique pneumohydraulic suspension

☑ Comfortable cab with ROPS and FOPS

☑ Electronic dashboard displaying the detailed information about dump truck operation

TECHNICAL SPECIFICATION

Series	БЕЛАЗ-7531
Modification	**7531H**
Payload capacity, tons	244.5
Engine power, kW (h.p.)	1865 (2535)
Torque moment, N*m (r.p.m.)	10884 (1400)
Specific fuel consumption at nominal power, g/kW*h	205
Tires	46/90R57
Transmission	AC electromechanical
Traction alternator	GST 1600-8
Traction electric motor	TAD-7
Motor-wheel reduction gear	two-row planetary
Suspension	pneumohydraulic, dependant for front and driving axles; trailing arms with center hinges
Brake system:	with hydraulic drive
front wheels	dry discs
rear wheels	dry discs
parking brakes	disc type
auxiliary brakes	electrodynamic braking by traction electric motors in generator mode with forced air cooling of brake resistors
Body volume, m³: struck (heaped 2:1)	102,4 (141,1); 106,2 (146,2) - Hi-Load
Turn radius, m.	15
Overall dimensions, mm:	
length	13390
width	8800
height	6720
Operating weight, kg	164900
Gross weight, kg	409400
Max speed, km/h	60
Application	This model is designed for transportation of rock materials in loosened condition on technological roads at open-pit mines at different climatic conditions. It can be used at construction of large industrial and hydraulic engineering facilities, at construction of road and highway complexes as well as at engineering premises of processing industry enterprises. Depending on specific weight of the transported cargo, the greatest efficiency is achieved when operating with excavators or loaders with bucket capacity of 30-45 m³

∗ - sizes are defined by the mounted body