

BELAZ

GAS-POWERED MINING DUMP TRUCK

BELAZ-75476

45 MT




GAS


Operates on liquified natural gas



 30-40% longer engine life

 Low cost of gas compared to diesel fuel

 Reduced maintenance costs

 Low CO and heavy metal emissions

COMPLEX DECISIONS

Delivery of a gas dump truck together with infrastructure

- installation of the gas station
- fuel storage system
- mobile gas station complexes

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TECHNICAL CHARACTERISTICS

Series	BELAZ-7547
Modification	75476
Payload capacity, t	45
Engine	Kungur-550
Operation mode	gas-powered
Type of fuel	fire gas, natural gas, LNG (GOST P56021)
Nominal volume of gas tank, l	990 (650+340)
Effective volume of gas tank, l	891
Engine power, kWt*h (hp)	405 (550)
Torque, N*m (rpm)	2100 (2000)
Fuel rate at nominal power, g/kWt*h	230
Tires	21,00-35; 21,00R35
Transmission	5+2
Suspension	pneumohydraulic, conventional for front and driving axles on rods
Brakes:	with pneumatic actuator
front wheels	brake shoe
rear wheels	brake shoe
parking brake	brake shoe
auxiliary brake	hydrodynamic retarder brake
Body volume m ³ : Stroke (Heaped 2:1)	21,5 (27,6)
Turning radius, m	10,2
Overall dimensions, mm	
length	8090
width	4560
height	4630
Operational weight, kg	33100
Gross weight, kg	78100
Max speed, km/h	50
Application	Designed for transportation of loosened rock in severe mining conditions of deep open pit mines on haul roads under various climatic operating conditions. Depending on the specific weight of the transported cargo, the greatest efficiency is achieved when operating with excavators and loaders with buckets of the following capacity: 8-10 m ³ .

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