

BELAZ-75581 mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines,
at open pit mines on roads under various climatic operating conditions
(at ambient temperature from -50 to +50°C)



Engine

Model	CUMMINS QST 30-C
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Meets the requirements for the release of toxic substances Tier2.	
Rated power at 1900 rpm, kW (hp)	783 (1050)
Maximum torque at 1300 rpm, N*m	4630
Number of cylinders	12
Cylinder displacement, l	30
Cylinder diameter, mm	140
Piston stroke, mm	165
Specific fuel consumption at rated power, g/kW*hr	199
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

AC drive with traction alternator, two traction motors, motor-in-wheel reduction units, adjustment and control devices.	
Maximum dump truck speed, km/h	60
Motor-in-wheel reduction unit ratio	30.36

Traction alternator	GST 700-8
Traction motor	TAD-9

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24

The steering meets ISO 5010 requirements.

Hydraulic system

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

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

BELAZ 75581



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Frame

Welded high-strength low-alloy steel frame. Box-section variable-height side-members 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

UVTR 2x600

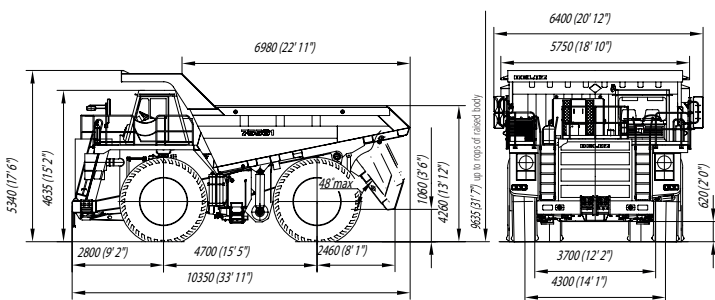
Dissipated power, kW

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, mm



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.

Weight

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

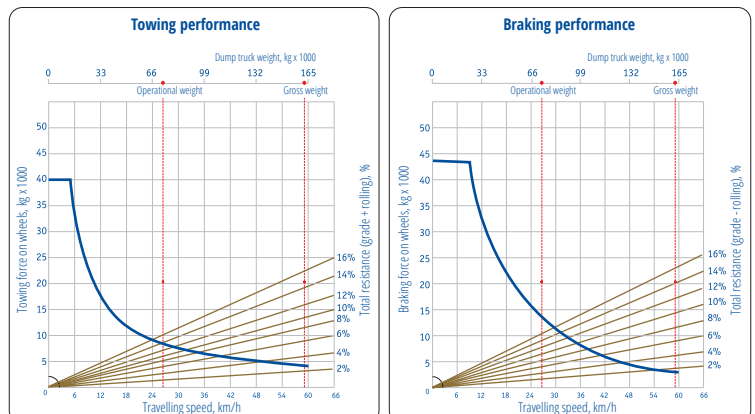
Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized 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 designation	27.00R49; 31/90-49
Tire inflation pressure as recommended by tire producer	
Rim designation	19.50-49/4.0

Towing and braking performance



BELAZ-75589 mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines, at open pit mines on roads under various climatic operating conditions (at ambient temperature from -50 to +50°C)



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Engine

Model	WEICHA1 12M33
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Rated power at 2100 rpm, kW (hp)	785 (1068)
Maximum torque at 1300 rpm, N*m	4340
Number of cylinders	12
Cylinder displacement, l	39.2
Cylinder diameter, mm	150
Piston stroke, mm	185
Specific fuel consumption at rated power, g/kW*hr	202
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24
The steering meets ISO 5010 requirements.	

Hydraulic system

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).

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

BELAZ 75589



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Body

Frame

Welded high-strength low-alloy steel frame. Box-section variable-height side-members 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 UVTR 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)

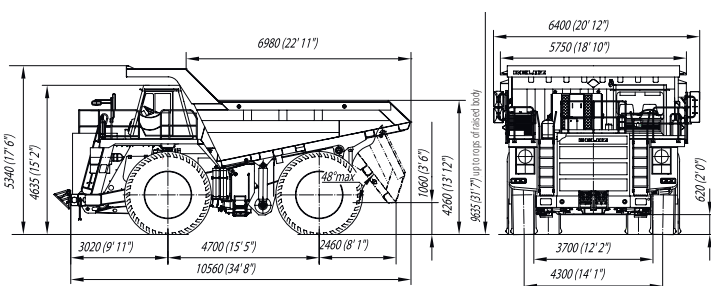
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Weight

Maximum payload capacity, kg	90000
Unladen weight, kg	80100
Gross weight, kg	170100
Dump truck weight distribution on axles, %:	
unloaded	
front axle	50.9
rear axle	49.1
loaded	
front axle	33.0
rear axle	67.0

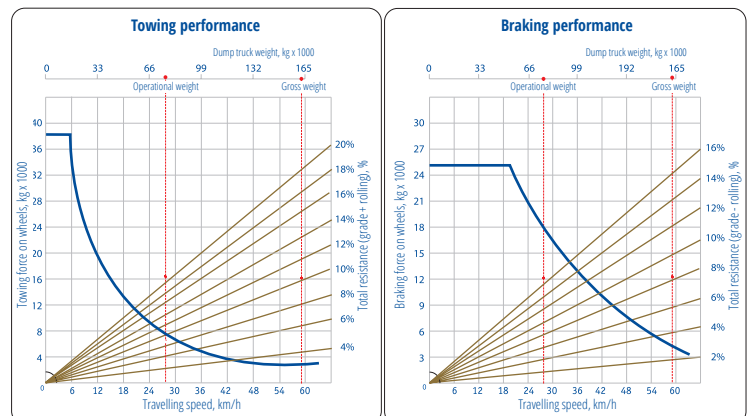
Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized 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 designation	27.00R49; 31/90-49
Tire inflation pressure as recommended by tire producer	
Rim designation	19.50-49/4.0

Towing and braking performance



BELAZ-75585-05 mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines, at open pit mines on roads under various climatic operating conditions (at ambient temperature from -50 to +50°C)



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Engine

Model	CUMMINS QST 30-C
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Meets the requirements for the release of toxic substances Tier2.	
Rated power at 1900 rpm, kW (hp)	895 (1200)
Maximum torque at 1400 rpm, N*m	5086
Number of cylinders	12
Cylinder displacement, l	30
Cylinder diameter, mm	140
Piston stroke, mm	165
Specific fuel consumption at rated power, g/kW*hr	199
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24

The steering meets ISO 5010 requirements.

Hydraulic system

Combined hydraulic system for body dumping gear, steering and brakes.

Two-stage telescopic body lifting cylinders with one stage of double action. Variable-displacement axial-piston oil pump.

Body lifting time, s	13
Body lowering time, s	11
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

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

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Frame

Welded high-strength low-alloy steel frame. Box-section variable-height side-members 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 UVTR 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)

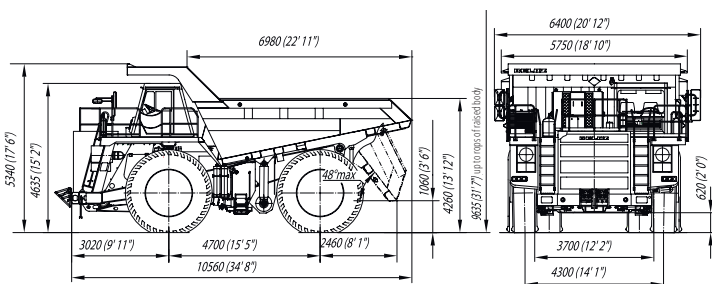
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Weight

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

Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized 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

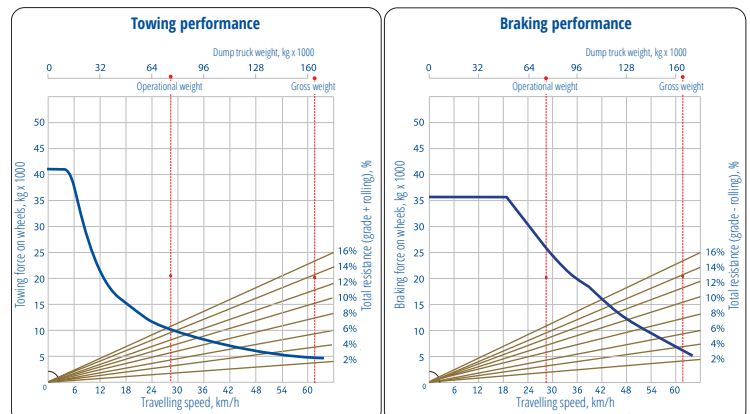
Pneumatic, tubeless tires. Open cast mine tread pattern.

Tire designation 27.00R49; 31/90-49

Tire inflation pressure as recommended by tire producer

Rim designation 19.50-49/4.0

Towing and braking performance



BELAZ-75585 mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines, at open pit mines on roads under various climatic operating conditions (at ambient temperature from -50 to +50°C)



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Engine

Model	CUMMINS QST 30-C
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Meets the requirements for the release of toxic substances Tier2.	
Rated power at 1900 rpm, kW (hp)	783 (1050)
Maximum torque at 1300 rpm, N*m	4630
Number of cylinders	12
Cylinder displacement, l	30
Cylinder diameter, mm	140
Piston stroke, mm	165
Specific fuel consumption at rated power, g/kW*hr	199
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24

The steering meets ISO 5010 requirements.

Hydraulic system

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).

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

Body

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

Frame

BELAZ 75585



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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 UVTR 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)

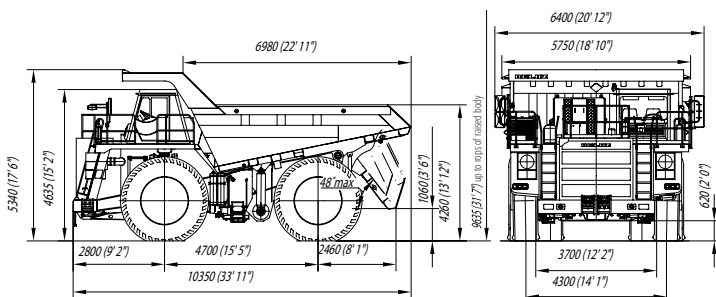
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Weight

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

Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized 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

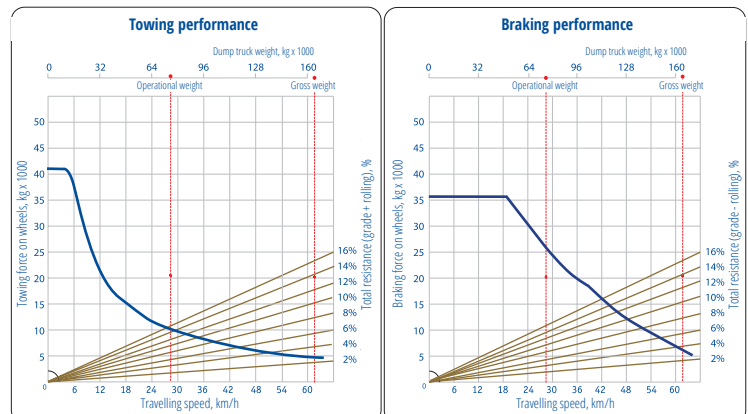
Pneumatic, tubeless tires. Open cast mine tread pattern.

Tire designation 27.00R49; 31/90-49

Tire inflation pressure as recommended by tire producer

Rim designation 19.50-49/4.0

Towing and braking performance



BELAZ-75584 mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines,
at open pit mines on roads under various climatic operating conditions
(at ambient temperature from -50 to +50°C)



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Engine

Model	MTU 16V2000C22
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Rated power at 1800 rpm, kW (hp)	899 (1206)
Maximum torque at 1400 rpm, N*m	4086
Number of cylinders	16
Cylinder displacement, l	30
Cylinder diameter, mm	130
Piston stroke, mm	150
Specific fuel consumption at rated power, g/kW*hr	199
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24

The steering meets ISO 5010 requirements.

Hydraulic system

Combined hydraulic system for body dumping gear, steering and brakes.

Two-stage telescopic body lifting cylinders with one stage of double action. Variable-displacement axial-piston oil pump.

Body lifting time, s	13
Body lowering time, s	11
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).

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

Body

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

Frame

BELAZ 75584



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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 UVTR 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)

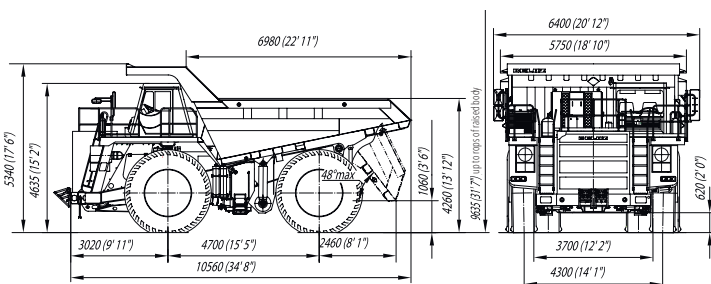
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Weight

Maximum payload capacity, kg	90000
Unladen weight, kg	79800
Gross weight, kg	169800
Dump truck weight distribution on axles, %:	
unloaded	
front axle	50.9
rear axle	49.1
loaded	
front axle	33.0
rear axle	67.0

Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized dump truck)	260 (380)
Engine lubrication system	120
Hydraulic system	510
Motor-in-wheel reducers	80 (40x2)
Suspension cylinders:	
front	31.4 (15.7x2)
rear	58.0 (29.0x2)

Tires

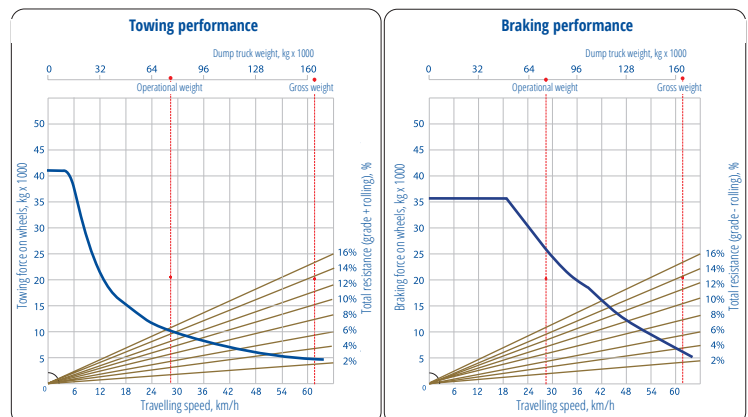
Pneumatic, tubeless tires. Open cast mine tread pattern.

Tire designation 27.00R49; 31/90-49

Tire inflation pressure as recommended by tire producer

Rim designation 19.50-49/4.0

Towing and braking performance



BELAZ-75583 mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines, at open pit mines on roads under various climatic operating conditions (at ambient temperature from -50 to +50°C)



BELAZ

Engine

Model	CUMMINS KTA 38-C
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Rated power at 1900 rpm, kW (hp)	783 (1050)
Maximum torque at 1300 rpm, N*m	4630
Number of cylinders	12
Cylinder displacement, l	37,8
Cylinder diameter, mm	159
Piston stroke, mm	159
Specific fuel consumption at rated power, g/kW*hr	207
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

AC drive with traction alternator, two traction motors, motor-in-wheel reduction units, adjustment and control devices.	
Maximum dump truck speed, km/h	60
Motor-in-wheel reduction unit ratio	30.36

Traction alternator	GST 700-8
Traction motor	TAD-9

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24

The steering meets ISO 5010 requirements.

Hydraulic system

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).

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

Body

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

Frame

BELAZ 75583



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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 UVTR 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)

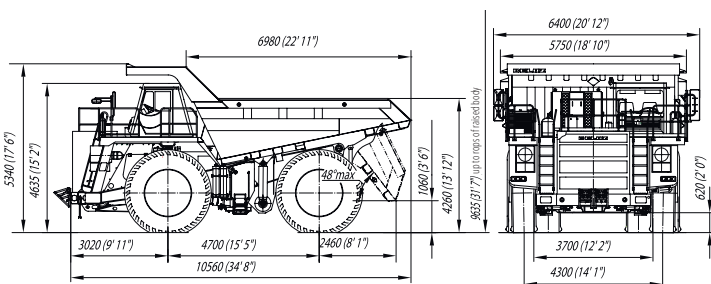
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Weight

Maximum payload capacity, kg	90000	
Unladen weight, kg	80150	
Gross weight, kg	170150	
Dump truck weight distribution on axles, %:		
	unloaded	loaded
front axle	50.9	33.0
rear axle	49.1	67.0

Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized 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

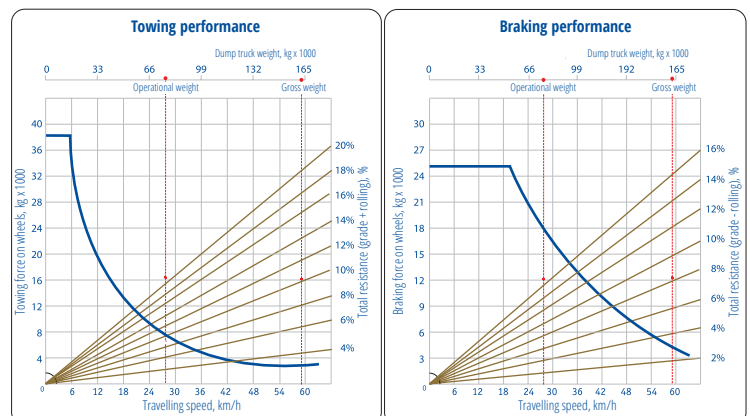
Pneumatic, tubeless tires. Open cast mine tread pattern.

Tire designation 27.00R49; 31/90-49

Tire inflation pressure as recommended by tire producer

Rim designation 19.50-49/4.0

Towing and braking performance



BELAZ-7558F mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines, at open pit mines on roads under various climatic operating conditions (at ambient temperature from -50 to +50°C)



Engine

Model	CUMMINS QST 30-C
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Meets the requirements for the release of toxic substances Tier2.	
Rated power at 1900 rpm, kW (hp)	895 (1200)
Maximum torque at 1400 rpm, N*m	5086
Number of cylinders	12
Cylinder displacement, l	30
Cylinder diameter, mm	140
Piston stroke, mm	165
Specific fuel consumption at rated power, g/kW*hr	199
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

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	5GTA59A
Traction motor	5GEB50A

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24
The steering meets ISO 5010 requirements.	

Hydraulic system

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).

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

Body

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

Frame

BELAZ 7558F



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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 17EM166

Dissipated power, kW 1195

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)

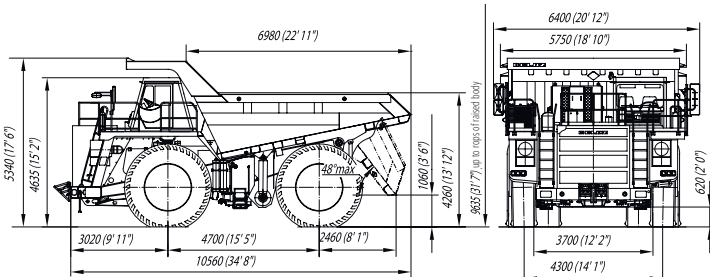
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Weight

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

Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized 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

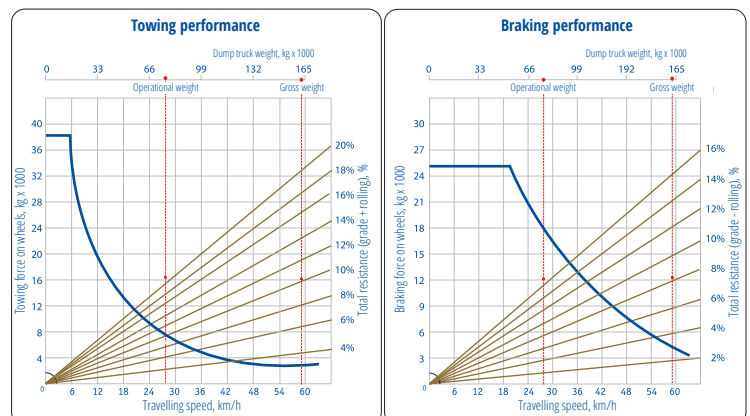
Pneumatic, tubeless tires. Open cast mine tread pattern.

Tire designation 27.00R49; 31/90-49

Tire inflation pressure as recommended by tire producer

Rim designation 19.50-49/4.0

Towing and braking performance



BELAZ-7558D mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines, at open pit mines on roads under various climatic operating conditions (at ambient temperature from -50 to +50°C)



BELAZ

Engine

Model	CUMMINS QST 30-C
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Meets the requirements for the release of toxic substances Tier2.	
Rated power at 1900 rpm, kW (hp)	783 (1050)
Maximum torque at 1300 rpm, N*m	4630
Number of cylinders	12
Cylinder displacement, l	30
Cylinder diameter, mm	140
Piston stroke, mm	165
Specific fuel consumption at rated power, g/kW*hr	199
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

AC drive with traction alternator, two traction motors, motor-in-wheel reduction units, adjustment and control devices.	
Maximum dump truck speed, km/h	60
Motor-in-wheel reduction unit ratio	30.36

Traction alternator	GSN 700
Traction motor	MY4450 K/6

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24

The steering meets ISO 5010 requirements.

Hydraulic system

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).

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

Body

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

Frame

BELAZ 7558D



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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

Dissipated power, kW

UVTR 2x600
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)

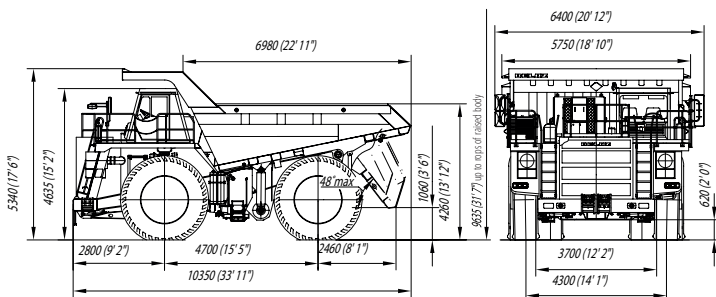
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Weight

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

Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized 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

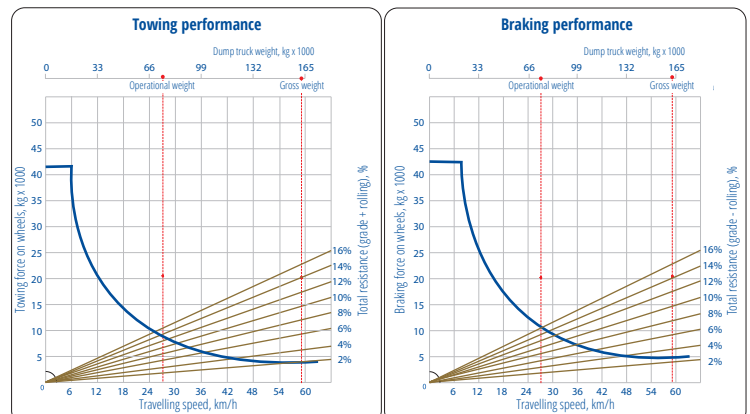
Pneumatic, tubeless tires. Open cast mine tread pattern.

Tire designation 27.00R49; 31/90-49

Tire inflation pressure as recommended by tire producer

Rim designation 19.50-49/4.0

Towing and braking performance



BELAZ-7558C mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines, at open pit mines on roads under various climatic operating conditions (at ambient temperature from -50 to +50°C)



BELAZ

Engine

Model	CUMMINS QST 30-C
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Meets the requirements for the release of toxic substances Tier2.	
Rated power at 1900 rpm, kW (hp)	783 (1050)
Maximum torque at 1300 rpm, N*m	4630
Number of cylinders	12
Cylinder displacement, l	30
Cylinder diameter, mm	140
Piston stroke, mm	165
Specific fuel consumption at rated power, g/kW*hr	199
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

AC electric drive KTEO B-90 manufactured by CJSC «PTFC «ZTEO» with traction generator, two traction valve-induction motors and reduction gears of electric motor-wheels, control devices and monitoring devices.

Maximum dump truck speed, km/h	60
Motor-in-wheel reduction unit ratio	30.36

Traction alternator	GST 850
Traction motor	DVIT-320

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24
The steering meets ISO 5010 requirements.	

Hydraulic system

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).

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

Body

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

Frame

BELAZ 7558C



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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

UVTR 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)

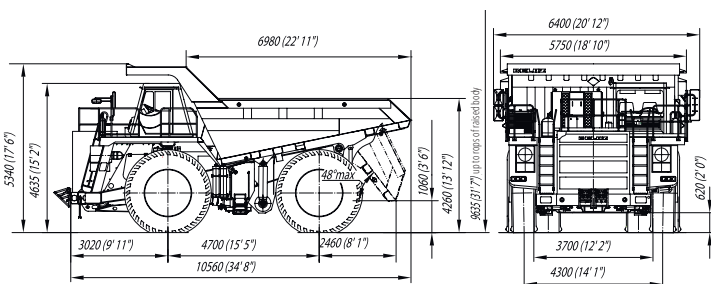
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Weight

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

Refill capacities, l

Fuel tank	1105
Engine cooling system (tropicalized 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

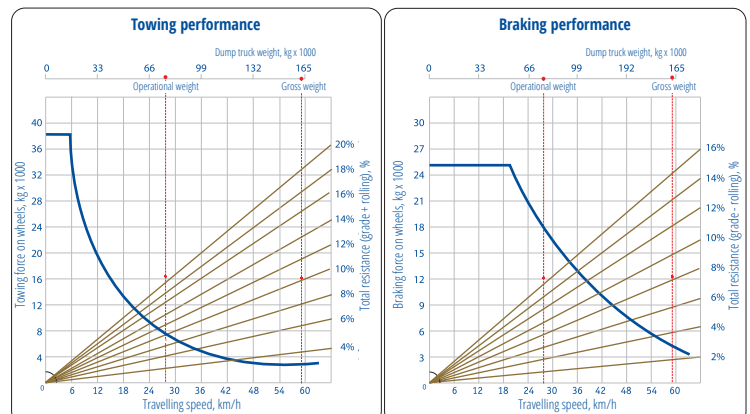
Pneumatic, tubeless tires. Open cast mine tread pattern.

Tire designation 27.00R49; 31/90-49

Tire inflation pressure as recommended by tire producer

Rim designation 19.50-49/4.0

Towing and braking performance



BELAZ-7558B mining dump truck with 90 tonnes payload capacity

It's designed for transportation of rock in severe mining conditions of deep mines, at open pit mines on roads under various climatic operating conditions (at ambient temperature from -50 to +50°C)



BELAZ

Engine

Model	CUMMINS QST 30-C
Diesel, four-stroke, with V-engine arrangement of cylinders, direct fuel injection, electronic control system, gas turbine supercharging and intermediate cooling of supercharging air.	
Meets the requirements for the release of toxic substances Tier2.	
Rated power at 1900 rpm, kW (hp)	895 (1200)
Maximum torque at 1300 rpm, N*m	5086
Number of cylinders	12
Cylinder displacement, l	30
Cylinder diameter, mm	140
Piston stroke, mm	165
Specific fuel consumption at rated power, g/kW*hr	199
Air is cleaned by three-stage filter with dry-type elements.	
Engine exhaust is routed through dump truck body.	
Circulating and pressurized lubrication system with «wet» sump.	
Single-loop fluid cooling system with forced circulation.	
Oil is cooled by oil-to-water heat exchanger.	
Fluid preheating system.	
Electric starting system.	
Electric system voltage, V	24

Transmission

AC drive with traction alternator, two traction motors, motor-in-wheel reduction units, adjustment and control devices. Antilock and antiskid functions.	
Power control cabinet modular structure.	
Control cabinet – BELAZ-7558B-2112010.	
Maximum dump truck speed, km/h	64
Motor-in-wheel reduction unit ratio	30.36

Traction alternator	SGT 700-8UHL2	GSN 700
Traction motor	TAD-320-6V3	MY4450 K/6

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

Steering

Hydrostatic steering with steerable front wheels.

Steering angle, degree	38
Turning radius, m	11
Overall turning diameter, m	24
The steering meets ISO 5010 requirements.	

Hydraulic system

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).

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:

struck	heaped 2:1
37.7	53.3
44.5	60.0
75.0	93.0
86.5	103.0

Body

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

Frame

BELAZ 7558B



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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

UVTR 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)

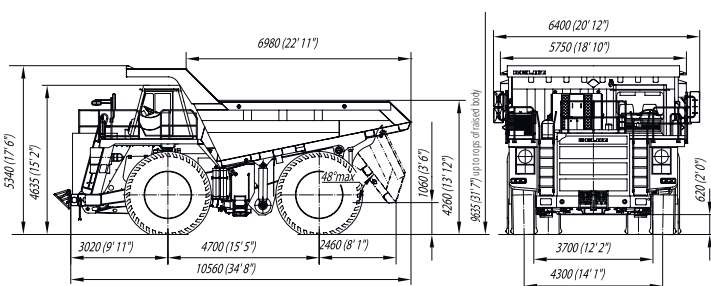
High-voltage line approach attention device (standard)

Loading and fuel control system (standard)

Heating and conditioning unit (standard)

Body floor lining (optional)

Overall dimensions, mm



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.

Maximum payload capacity, kg

90000

Unladen weight, kg

74000

Gross weight, kg

164000

Dump truck weight distribution on axles, %:

	unloaded	loaded
front axle	50.9	33.0
rear axle	49.1	67.0

Weight

Fuel tank

1105

Engine cooling system (tropicalized 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)

Refill capacities, l

Tires

Pneumatic, tubeless tires. Open cast mine tread pattern.

Tire designation

27.00R49; 31/90-49

Tire inflation pressure as recommended by tire producer

Rim designation

19.50-49/4.0

Towing and braking performance

