



ESPECIFICACIÓN TÉCNICA

Camión volquete para minería subterránea DALI UK-15



UK-15 is a underground dumper with 15 ton payload for small-to-middle scale mine. Best payload to own weight ratio in its class. It is full of features to help mines maximize tons and minimize costs.

Main Features

1. Safety

- 1.1. ISO ROPS/FOPS certified operator's compartment
- 1.2. Hydraulic-release (SAHR) brakes
- 1.3. Articulation safety lock
- 1.4. Dump box safety support
- 1.5. Rear-view camera
- 1.6. Reverse alarm
- 1.7. Self-lock. Once the door is opened, the vehicle can be locked automatically and can not drive, which can protect the vehicle and personal from being injured.
- 1.8. Automatic alarm system for oil temperature, oil pressure and electrical system.

2. Small and Lithe

The UK-15 has a compact envelope and offers high maneuverability, even in restricted spaces.

3. Maximum Efficiency and Productivity

- 3.1. The durable UK-15 is impressively fast to haul the materials up the ramp in no time. The truck's systems and components have been tested and refined through years of real work experience to stand the test of time.
- 3.2. Manual Central lubrication system.



Industry standard

GB/T 35195-2017 Technical standards for construction machinery and equipment

JB/T8436 Standard for tire-type ore trucks for underground mines

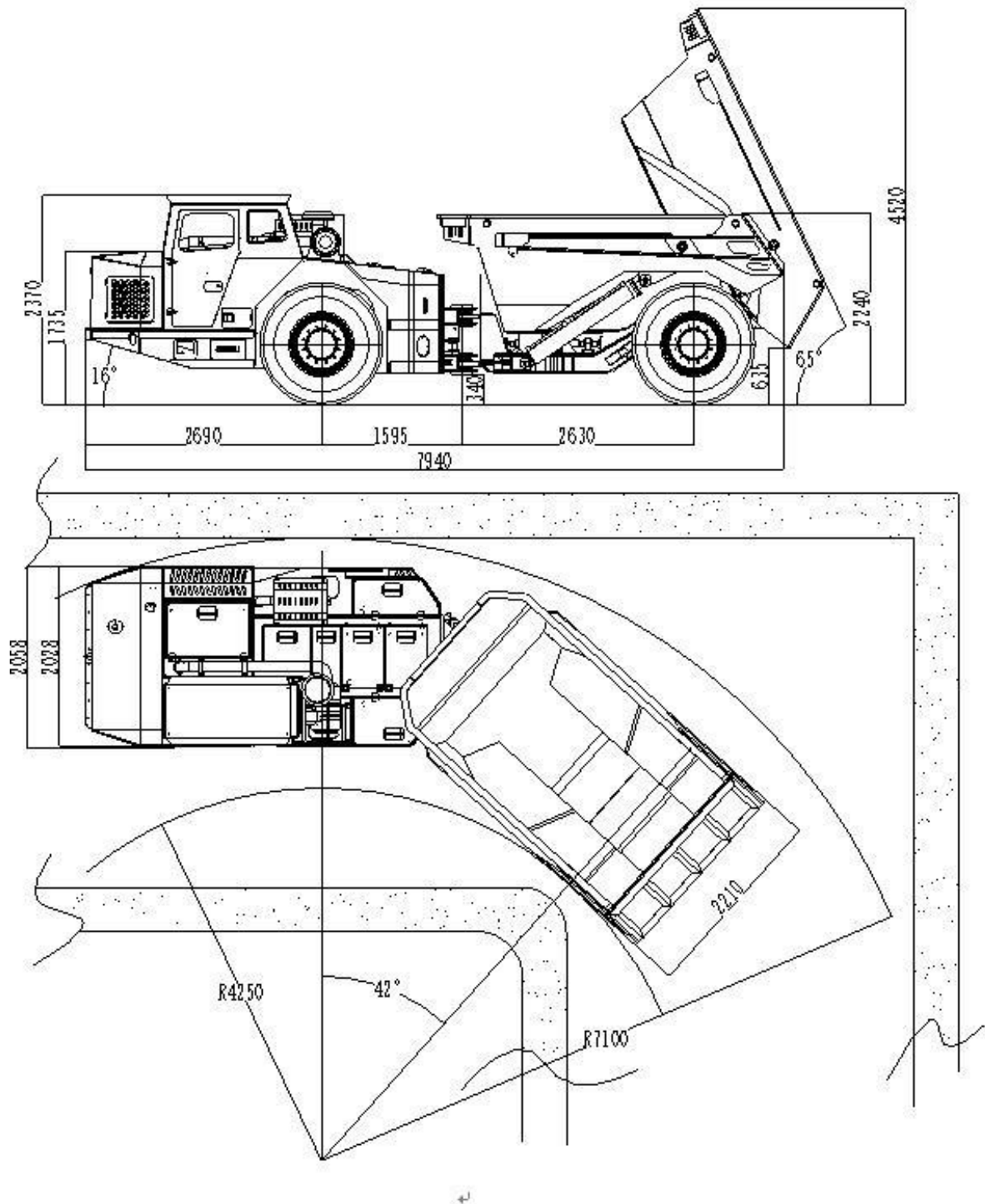
GB21500 Safety requirements for trackless tire-type mine trucks for underground mines

Application

Environment Temperature $-25^{\circ}\text{C} \sim +50^{\circ}\text{C}$

Mining Altitude $-1500\text{m} \sim +5000\text{m}$

When working at $-1500 \sim +3000$ meter, temperature is no higher than 25°C , there is no engine power loss





Capacities

Tramming capacity	15000 kg
Dump box volume	7.5 m ³

Main dimensions

Overall Size	7940X2210X2370 mm
Box Lift Height	4520 mm
Wheelbase	4225 mm
Min. ground clearance	340 mm
Turning radius	4250 / 7100 mm
Turning angle	42°
Dump angle	65°

Speed

1 st gear	0~4.5 km/h
2 nd gear	0~9.8 km/h
3 rd gear	0~17.8 km/h
4 th gear	0~23.5 km/h

Dump Box Motion Time

Discharging time	≤13s
Box lowering time	≤10s

Weight, empty

Operation Weight	15500 kg
Front axle	9550 kg
Rear axle	5950 kg

Weight, Loaded

Fully Loaded Weight	30500 kg
Front axle	14550 kg
Rear axle	15950 kg

POWER TRAIN

Engine

Diesel engine	VOLVO TAD850
Output	160kw
Purifier	Catalytic purifier with muffler
Electric system	24v
Cooling system	Water cooling
Number of cylinders	in-line 6
Method of operation	4-stroke, direct injection with intercooler
Fuel tank refill capacity	250L

Converter

Brand	DANA
Model	C273

Transmission

Brand	DANA
Model	R32000

Axle

Model	Kessler D81
Type	Rigid planetary axle
Differential	Standard
Front axle	spring applied hydraulic operated rakes. Oscillating ± 8°.

Rear axle	spring applied hydraulic operated brakes. Fixed
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Tire	14.00-24 L-5S TT
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OPERATORS COMPARTMENT

ROPS/FOPS certified canopy	
Cab height	2471mm
Spring seat with safety belt	
External sound level according to ISO 6395 LwA 122 dB(A)	
Sound level in canopy according to ISO 6396 LpA 108 dB(A)	
Sound level in cabin according to ISO 6396 LpA 85 dB(A)	
Whole body vibration value according to EN 14253 A(8)w	

FRAME

Rear and front frame	Welded steel construction
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STEERING HYDRAULICS

Full hydraulic power steering with two double acting steering cylinder. Open centre system with gear pump and pilot operated stick steer control.

Main Components

Hydraulic pump	Gear type
Control valve	Pilot operated
Steering cylinder	2 pcs double acting cylinder

DUMP BOX HYDRAULICS

Full hydraulic open-centre system with gear pump. Pilot operated stick dump control.

Main Components

Dump cylinder	2 pcs
Hydraulic pump	Gear type
Control valve	Pilot operated

BRAKES

Service brakes are spring applied hydraulically operated and liquid cooled (LCB) multi-disc brakes on all wheels.

Two independent circuits: one for the front and one for the rear axle.

Service brakes also function as an emergency and parking brake.

Main Components

Pressure accumulator	Piston type with charging valve
Brake pedal valve	WILLIAMS/MICO

ELECTRIC SYSTEM

Alternator	24V, 80Amp
Batteries	12Vx2
Starter	24 V, Heavy Duty
Driving lights	4 pcs in front, 2 pcs in rear
Reverse alarm	standard
Flashing beacon	standard
Horn	1 pc



Turning Light 2 pc in the rear

Manual central lubrication standard

PARTS AND SERVICES

Complete toolbox

One full set free filters

Free Seals

DOCUMENTATION

Operation manual English / Russian / Spanish

Service manual English / Russian / Spanish

Parts manual English / Russian / Spanish

OPTIONAL

Engine fire suppression Brand ANSUL or PROTECFIRE

Auto lubrication system

Air conditioning and heater

Manual pump for hydraulic tank fill

Blockout 3rd and/or 4th gears

Wiggins fast fuel fill

Wiggins fast hydraulic oil fill

Emergency steering

Optional box sizes

Teletram dump box

Wheel chocks and brackets

Knockdown construction

Optional tire 17.50-R25 L-5S TT

Safety cover rails

GRADE PERFORMANCE

Standard configuration, box empty

Grade	0.0%	2.0%	4.0%	6.0%	8.3%	10.0%	12.5%	14.3%	16%	18%	20%	25%
Ratio		1:50	1:25	1:16.7	1:12	1:10	1:8	1:7	1:6.3	1:5.6	1:5	1:4
1 st gear km/h	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.1
2 nd gear km/h	9.8	9.8	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.7
3 rd gear km/h	17.8	17.8	17.7	17.5	17.1	16.8	16.2	15.8	15.2	14.7	14.1	-
4 th gear km/h	23.5	23.5	23.2	22.6	22.0	20.5	-	-	-	-	-	-

Standard configuration, box loaded

Grade	0.0%	2.0%	4.0%	6.0%	8.3%	10.0%	12.5%	14.3%	16%	18%	20%	25%
Ratio		1:50	1:25	1:16.7	1:12	1:10	1:8	1:7	1:6.3	1:5.6	1:5	1:4
1 st gear km/h	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.0	3.6
2 nd gear km/h	9.8	9.8	9.7	9.6	9.4	9.1	8.9	8.6	8.2	7.8	7.5	-
3 rd gear km/h	17.8	17.7	17.4	16.8	15.8	14.5	-	-	-	-	-	-
4 th gear km/h	23.5	23.1	22.4	-	-	-	-	-	-	-	-	-

PRODUCTIVITY CURVE

