

UK-8 MineTruck



Technical Specification

4m³ / 8 Ton

APPLICATIONS

The KAMACH UK-8 is a narrow 8 ton truck that fits in a 2.5 m x 2.5 m heading. Designed with a side seated operator's compartment for maximum operator comfort in applications which require both forward and reverse operation.

- Ramp and drift development in small mines
- Small tunneling projects
- Low exhaust emission engine for reduced ventilation requirements
- Match KAMACH WJ-1 and WJ-1.5 Scooptram | Underground Wheel Loader

Main Parameter

Rated loading capacity	8000 kg
Wagon box volume	4 m ³
Length	6080mm
Width	1728mm
Height	2065mm
Min. turning radius	
Inner	3494mm
Outer	5506mm

Tramming speed (Forward+Reverse)

1 gear	4.5 km/h
2 gear	10.2 km/h
3 gear	19.2 km/h

Angle

Wagon box off load angle	65°
Approach angle	15°

Weight (empty)

Operate weight	7780 kg
Front axle load	3280 kg
Rear axle load	4500 kg

Weight (full load)

Operate weight	15780 kg
Front axle load	6310 kg
Rear axle load	9470 kg

Working conditions and limit

Temperature	-15°C ~ +50°C
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Executed standard

JB/T8436 Underground Tired MineTruck Design Standard

JB/T5501 Underground Wheel Loader Testing Method

GB21500 Undergroud Tired MineTruck Mine Safety Requirement

Service hydraulic system

Hydraulic pilot control	Joystick
Lifting cylinder	2 pcs
Main valve	Open loop

PowerTrain

Diesel engine	DEUTZ F6L914
Output	84kw @ 2300rpm
Max. Torque	400 Nm @ 1500rpm
Displacement	6.5 L
Emission norms	EU II, US T2
Air filter	Dry type, two stage
Purifier	Catalytic purifier with muffler
Electric system	24 VDC
Cooling system	Air cooling

Transmission + Converter

Integrated transmission	Dana 20000 series
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Drive axle

Front axle	MERITOR
Spring pressured brake, hydraulic release	
Rigid axle	
Rear axle	MERITOR
Spring pressured brake, hydraulic release	
Rigid axle	

Tires

Size	10.00-20
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Hydraulic system

Hose type	MT/T98
Oil tank volume	60 L

Steering hydraulic system

Hydraulic steering	Wheel or Pilot joystick steering
Steering cylinder	2 pcs
Steering pump type	Fixed displacement gear pump
Service pump	Fixed displacement gear pump

Braking hydraulics

Integrated spring brake, fully sealed multi-discs wet brakes for service and parking;

Standard: EN ISO 3450, AS2958.1 and SABS 1589

Cab.

Convenient and big size cab, Ergonomic design

Optional front-view or Side-view seat

Adjustable (F/R) with seal belt

Framework

Central articulation Rotate bearing

Oil tank Build-in the chassis

Electric system

Generator 28 V,35A

Battery 2×12 V, 80Ah

Starter 24V / 4.8 kW

Lights	2 pcs in front 1 pc inside the cabin
Warning Horn	2 pcs at rear Rotate alarm STD

DOCUMENTATION

Operation manual	English
Service manual	English
Parts manual	English

OPTIONAL DEVICE

Engine fire suppression	Brand BATEC
Rear camera system	
Auto lubrication system	Lincoln
Deutz engine BF6L914 112kw	
Cummins engine QSB4.5 119kw	

GRADE PERFORMANCE(DEUTZ F6L914 84kw)

Percent grade	0%	5%	10%	15%	20%	25%
1 st gear	4.8 km/h	4.6 km/h	4.3 km/h	3.9 km/h	3.3 km/h	2.7 km/h
2 nd gear	10.2 km/h	9.8 km/h	9.2 km/h	8.4 km/h	7.2 km/h	
3 rd gear	18.5 km/h	17.1km/h				



Dimensions:

