

## UK-20 Low Profile Mine Truck



### Weight

Without load	19,500 kg
Fully load	39,500 kg

### Carriage

Max. Carrying capacity:	20,000~25,000 kg
Volume (SAE heap):	10 m <sup>3</sup>
Volume (SAE Flat) :	9 m <sup>3</sup>

### Service time

Carriage lifting:	15 s
Carriage descent:	11 s
Steering:	6 s

### Engine

Manufacturer: Germany DEUTZ  
Model: TCD7.8 L6 EURO 5 emission standard  
Power: 225 kW /2300 rpm  
Peak torque: 1200 Nm  
Air-inlet: Donaldson/Mann air filter  
Exhaust: Canada imported catalyst purifier+ silencer

### Options:

Deutz TCD9.0 L4 (259KW/2100rpm) Peak torque 1710 N.m

### Transmission:

Converter: DANA C5500 series  
Transmission: DANA R36000 series  
Advance, Reverse, 4 gears

Drive axle: KESSLER D81 or DANA 20 D

## Brakes:

Service brake/ Parking brake: Spring brake hydraulic release, external cooling system, conbinated (SAHR)

Tyres: 18.00-25 /E-3 TT

## Hydraulic system:

Main pump: PB5100	63.3 ml/r	PERMCO hydraulics
Control valve: SD180	160 L/min	Italy Walvoil or other import brands

## Electric control pilot joystick

Hydraulic cylinder:	HSGK01-140	Multistage, Changjiang
Braking pump:	P124A	15.2 ml/r Permco hydraulics
Charging valve:	06-463 USA MICO	
Brake valve :	03-460 USA MICO	
Radiator pump:	with diesel engine	
Radiator motor:	Permco hydraulics	

## Steering

Type: All hydraulic power steering system, central articulation, dual cylinder steering frame.

Steering cylinder model: HSGK01-125/70E

Steering radius: Inner 4700 mm External 7700 mm

Steering angle: 42°

Vehicle speed (km/h):

1 <sup>st</sup> gear	6.1
2 <sup>nd</sup> gear	11
3 <sup>rd</sup> gear	19
4 <sup>th</sup> gear	31

Grade ability : 25°

## Electric system

Voltage: 24V

Generator: BOSCH 28V/35A

Starter motor: BOSCH 3.6KW/24V

Battery: 2×12V /165Ah

**Illumination:** Front/Rear lamp/Reverse×2, Roof lamp×2

## Fire suppression

Type: Manual fire extinguisher

Instrument:

Ammeter/Hourmeter/Preheating indicator/Engine thermometer/Engine coolant thermometer/Transmission thermometer/engine hydraulic pressure gauge/hydraulic brake pressure gauge/brake system low pressure warning/engine water temperature warning/diesel engine low hydraulic pressure warning/diesel level gauge/carriage lifting warning.

## Cabin

Front-view seat, sealed cabin  
SAE standard ROPS/ROPS cabin

## Lubrication

Central lubrication

## OPTIONS:

1. Volvo Water-cooled diesel engine
2. Automatic central lubrication
3. Automatic and manual fire suppression system
4. Audio & Video system for monitoring the operation
5. Sealed cabin with air-conditioner and heater

