



TECHNICAL SPECIFICATION

DRUK-15(C) UNDERGROUND TRUCK



The UK- 15 short-wheelbase underground haul truck is designed primarily for transporting blasted loose material in mine operations. It is also well-suited for railway, highway, and water-conservancy tunnel projects, especially in harsh working environments characterized by confined spaces, low headroom, and muddy or uneven ground conditions.

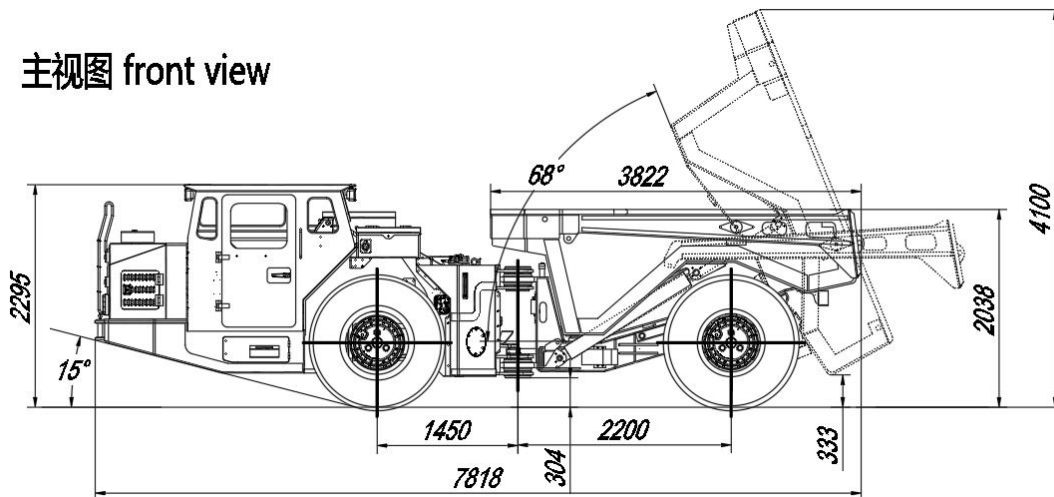
Main Technical Parameters of the Complete Machine

No.	Parameter Description	Value
1	Rated Bucket Capacity (m ³)	7.5
2	Rated Payload (kg)	15,000
3	Operating Weight, Empty (kg)	16,700
4	Overall Dimensions (L × W × H) (mm)	7818×2230×2295

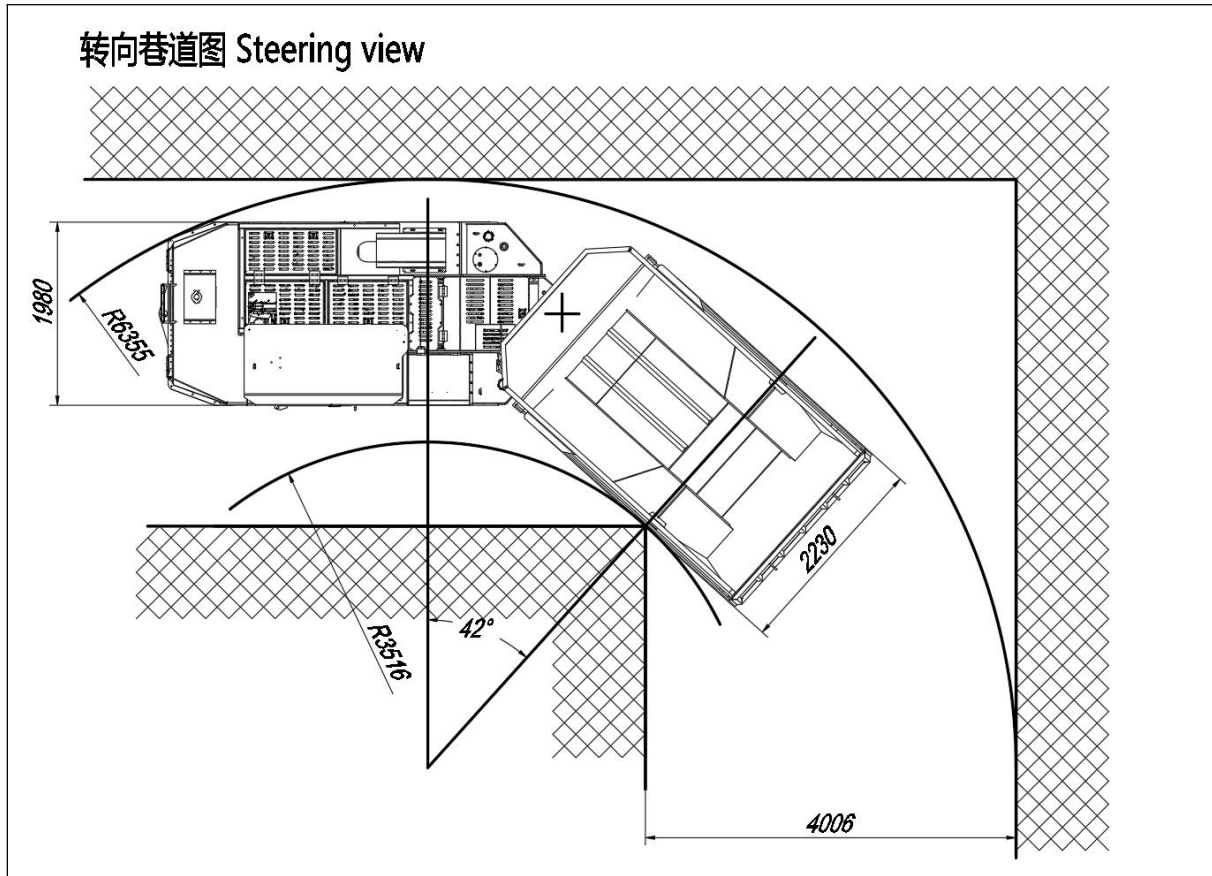
5	Loading Height (mm)	2,038	
6	Body Lift Height (mm)	4,100	
7	Body Dump Angle (°)	68	
8	Body Lift Time (s)	11	
9	Maximum Traction Force (kN)	≥190	
10	Ground Clearance (mm)	30	
11	Approach Angle (°)	15	
12	Oscillation Angle (°)	±8	
13	Gradability (°)	≥14	
14	Minimum Turning Radius (mm)	Inside wheel:3516 Outside wheel:6355	
15	Travel Speed(km/h)	1gear	4.5
		2gear	8.9
		3gear	14.9
		4gear	25.7

Front View

主视图 front view



Steering View



Main Benefits

Productivity-The DRUK- 15 features heavy- duty front and rear frames specifically engineered to withstand harsh underground conditions. With outstanding quality, reliability, and durability that meet user demands, it makes transport operations simpler, more effective, and more efficient.

Safety-The power system of this machine is equipped with a Volvo engine, complemented by an exhaust silencer and purifier that deliver noticeable purification effects, effectively reducing air pollution and improving the underground working environment.

The braking system employs spring- applied, hydraulically- released brakes, which enhance safety performance and ensure reliable operation in harsh, high- moisture, and muddy tunnel conditions.

The forward- positioned, front- mounted cab provides a highly comfortable operating environment without compromising the operator’s field of vision.



Engine	
Brand/Model	Volvo TAD853VE/Deutz BF6M1013EC
Rated Power	160kw/165kw
Cooling Method	Water Cooling
Emission Standed	China III/China II

Fuel	Litres
Working Hydraulic Oil Tank	200
Travel Hydraulic Oil Tank	200

Hydraulic System	Brand	
Working Pump(Gear Pump)	Permco	√
Steering Pump(Gear Pump)	Permco	√
Multi - way Control Valve	Walvoil	√
Steering Control Valve	Danfoss	√
Make - up Valve / Replenishing Valve	Mico	√
Pedal Valve	Mico	√

Electric system	
Working Voltage,24V	√
Real-time Monitoring of Operating Status of Main System Components	√
CAN Bus Communication	√

Transmission		
Torque Converter	DANA C270	√
Gearbox / Transmission	DANA R32000	√
Drive Axle	KesslerD81	√
Tyre / Tire	17.5-25	√

Main frame	
Fire extinguisher	√
Backup Camera System	√

Control system	
Engine Data Display	√
Audible Backup Alarm	√
Audible Dump Alarm	√
Steering Wheel Control	√
Single- lever Dump and Lift Control	√

Operator's Compartment	
Canopy(ISO ROPS and FOPS approved)	√
Standard Semi-enclosed Cab	√
LED Front and Rear Lighting	√
Two - Point Seat Belt	√
Three - Point Contact Quick Access to Cab	√
Mechanical Suspension Seat	√
Steering Wheel Control	√
Door Interlock Protection	√

Documentation	
Parts manual	√
Operational manual	√
Maintenance and service manual	√

Optional Configurations
Automatic Fire Suppression System
Fully Enclosed Cab with Heating and Air Conditioning
Automatic Centralized Lubrication System
Tempered Glass
Tire Pressure Monitoring System