



RU-6 Underground Personnel Carrier

RU-6 is a trackless device specially designed for underground mines, suitable for 3x3 meter mine tunnels. The trackless equipment is used for transporting personnel underground. All the personnel seats have safe belts. The personnel carrier is especially suitable for difficult working conditions, and the narrow low and muddy working ground.

Superior stability and simple handling can improve the safety of underground lifts. The hydro brakes are more suitable for the complicated and difficult working environment of the underground to ensure safety. The cabin is framed to ensure stability, and all walking surfaces are non-slip to minimize the possibility of slips and falls.

The passenger compartment adopts a single-seat structure, and the spacious seating environment makes people comfortable. The design of the four-door single-door makes the occupants get on and off more quickly and conveniently. The use of the front and rear call system enables the occupants to communicate better with the driver.



Rated carrier	6 people
Operating Weight	8000kg
Dimensions	6255mmx1430mmx2200mm

Technical Specification

Speed Forward and Reverse

First Gear	4.7 km/h
Second Gear	10 km/h
Third Gear	18.4 km/h

Trafficability Specifications

Frame Swing Angle	±8°
Max. Steering Angle	±42°
Min. Off-ground Clearance	240mm
Max. Grade-ability	14° (25%)
Approach Angle	14°



Operating conditions and restrictions

Working temperature -15°C~+50°C

Design Standards

GB21500-2008 Underground mine trackless tire type mining vehicle Safety requirements
GB21011-2007 Mining man carrier safety requirements

Power Transmission System

Power System

Diesel Engine DEUTZ D914L04

Rated Power 58kW @ 2300 rpm

Cylinder 4

Displacement 4.3L

Cooling Air

Combustion 4-stroke direct injection engine

Intake air filter Dry air filtration, pre-filtration + two-stage filtration

Electrical System 24 V

Emission Standards Euro Tier III

Exhaust system purifier DOC+POC+Silencer

Fuel tank volume 88 L

Torque converter gearbox

DANA
1201FT20321

Electronically controlled shifting with buffer function
Single-stage three-element with hydraulic pump drive
Forward and Reverse 3 Gears

Axle(Front)

Xingye Machinery

SAHR XYUK05
Standard differential

Rigid axle

Axle(Rear)

Xingye Machinery

SAHR XYUK05
Standard differential

Rigid axle

Tyre

Tyre Model 10.00-20

Tyre Brand Tianli / Qianjin

Hydraulic System

Components Working system, steering system, braking system, oil filling system

Joint standard JIC

Hose standard GB3683

Hydraulic tank volume 88L

Oil absorption filtration accuracy 80µm

Oil return filtration accuracy 10µm

Steering

Full hydraulic steering gear, two double-acting steering hydraulic cylinders Steering wheel operation

Steering hydraulic cylinder 2 pcs

Steering pump Gear type metering pump

Brake

Features The working brake is hydraulic brake and spring release; Parking brake is spring brake, hydraulic release

Brake system performance meets EN ISO 3450, AS2958.1 and SABS 1589 standards.

Driver operation

RU-6 cab provides a spacious ergonomic operating space with ergonomic console layout for better comfort and productivity.

RU-6 cab has passed ROPS/FOPS certification to protect operator safety.

Optional configuration of the electrical system

Camera system

CAB

ROPS certification in accordance with ISO 3471

FOPS certification in accordance with ISO 3449

ELECTRICAL SYSTEM

Main configuration

Generator	28 V,35A
Battery	2x12 V, 80Ah
Starter	24V/ 4 kW
Light and Indicator	2pcs on front frame 2 pcs on rear frame
Alarm	Low oil pressure alarm Rotating warning light
Dual horn	standard

SAFETY

Fire Safety

Portable fire extinguisher	2kg 2pcs
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Energy isolation

Main power switch can be locked	standard
Trailer connecting device	standard

DOCUMENTS

Standard manual

Spare parts manual	English
Operation manual and maintenance manual	English
Label	English



