



# XINGYE RU-25 Underground Personnel Carrier

RU-25 is a trackless device specially designed for underground mines, suitable for 4.5x4.5 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 closed air-conditioned structure, and the spacious seating environment makes people happy. The design of the side opening and rear opening of the compartment makes the occupant get on and off more quickly and conveniently. The use of the front and rear call system makes the communication of occupants and driver better.



## Technical Specification

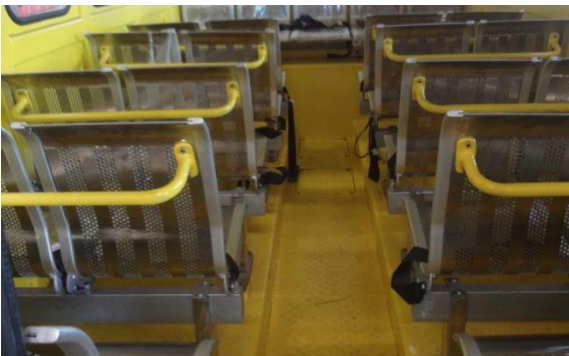
Rated carrier	25people
Operating Weight	12000kg
Dimensions	8560mmx2200mmx2890mm

## Speed

First Gear	5 km/h
Second Gear	11 km/h
Third Gear	31km/h

## Trafficability Specification

Max. Steering Angle	$\pm 40^\circ$
Min. Off-ground Clearance	280mm
Max. Grade-ability	$14^\circ$ (25%)
Approach Angle	$12^\circ$



### 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 safety requirements

### Power Transmission System

#### Power System

Diesel Engine DEUTZ **BF6M1013FC**

Rated Power 223 kW @ 2300 rpm

Cylinder 6

Cooling water

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 II

Exhaust purifier system DOC+POC+Silencer

Fuel tank volume 280L\*2

### Torque converter

DANA C270

### Gearbox

DANA RT2000 Electronically controlled shifting with buffer function  
Forward and Reverse 3 Gears

### Axles(Front)

DANA

Working brake is hydraulic brake, spring release; parking brake is spring brake, hydraulic release 112 Standard differential

#### Rigid axle

### Axles(Rear)

DANA

Working brake is hydraulic brake, spring release; parking brake is spring brake, hydraulic release 112 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 140L

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.

## Electrical System

Battery	2 x 12 V,100Ah
Light and Indicator	LED light 2 pcs on front frame 2 pcs on rear frame
Dual horn	standard
sensor	Diesel, hydraulic oil level sensor, steering, brake system pressure sensor
monitor	IFM CR1083 7" LED
Controller	IFM CR2532 CPU 50MHz
Rotating warning light	standard

## Safety

### Fire Safety

Portable fire extinguisher	2kg 2pcs
----------------------------	----------

### Driver Cabin

RU-25 cab provides a spacious ergonomic operating space with ergonomic console layout for better comfort and productivity.

RU-25 cab has passed ROPS/FOPS certification to protect operator safety.

---

ROPS certification in accordance with ISO 3471

---

FOPS certification in accordance with ISO 3449

---

## Documents

### Standard manual

Spare parts manual	Chinese or English
Instruction manual and maintenance manual	Chinese or English
Label	Chinese or English



