

The tram solution



**UNIMOG Rail-Road vehicle
with lifting platform**

UNIMOG Rail-road vehicle with lifting platform

This vehicle is the ideal concept for applications such as Over Head Line inspection and maintenance and towing rolling stock on tramway networks. It gathers power, driveability and flexibility for rapid and efficient interventions.

Front guiding axle



Rear guiding axle



Catenary inspection



Main features of the U 423 UNIMOG Rail-road vehicle with lifting platform

Carrier

- Unimog UG 423 Diesel.
- Permanent 4 WD with differential locks
- 4-cylinder diesel engine, Euro 6, 5132 cm³.
- Power 231HP - 170 kW.
- Max. torque 900 Nm at 2200 RPM.
- 16-speed fully synchronized gear box.
- 3-seat cab with wide windscreen and ergonomic dash board.
- Hydrostatic driving.
- Dual hydraulic circuit
- Differential lock at front axle.
- 2 working lights at rear of the cab.
- 2 beacon lights on roof of the cab.
- Laden weight 13.0 tons.
- Dimensions: L: 7,42 m–W: 2,30 m–H: 3,52m

Rail-road device

- Self steering guiding axles.
- Ø 400 mm guiding wheels.
- Operation by hydraulic cylinders.
- Manual emergency pump in case of electric or engine breakdown.
- Driving is performed by the contact of the tires on the rails.
- Command organs integrated in the genuine dash board.
- The steering wheel is locked while in rail mode.

Miscellaneous

- 4 hydraulic stabilizers with manual separate command.
- Side storage lockers.
- 2 stabilization beams.
- "Men at work" sign.
- Remote controlled working light
- Ladder to base and platform.
- Towing bar.

Lifting platform

- Lifting platform 132 TM CMAR.
- L: 2.00 m – W: 1.00 m
- Max. load = 265 kg.
- Floor height= 11.5 m.
- Working height= 13.0 m.
- Offset of basket axle = 6.6 m.
- Offset of basket edge = 7.6 m.
- Rotation 400°.
- Floor height limited to 6 m in type III.
- Hydrostatic driving 10 km/h when basket straight and 3 km/h when offset, driving managed from basket.
- Smaller dimensions and performances available



Use in type I (stabilized)



Use in type III (driving)



Towing bar



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