



## High economic efficiency through flexibility. Unimog U 423 as versatile implement carrier.

The Unimog U 423 with long wheelbase and an output of 170 kW (231 hp) is equipped with an elevating work platform and bogie rail gear. As a result it can be used on track networks with tight curve radii, such as those for trams. It is possible to control the Unimog remotely from the extended elevating work platform – when performing maintenance on overhead lines or during inspection runs, for example.

During such tasks the hydrostatic drive presents a considerable advantage because it allows the vehicle speed to be adjusted steplessly and for the vehicle to be operated from the lifting platform with precision accuracy.

Further information is available online:  
[www.mercedes-benz.com/unimog-road-rail](http://www.mercedes-benz.com/unimog-road-rail)

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## Technical data

### Chassis

Type:	Mercedes-Benz Unimog U 423
Engine*:	<ul style="list-style-type: none"> <li>• 170 kW (231 hp) output</li> <li>• 4-cylinder diesel (OM 934 LA)</li> <li>• Euro 6 emission class</li> </ul>
Wheelbase:	3600 mm
Transmission:	Mercedes-Benz fully synchronised transmission with 8 forward and 8 reverse gears <ul style="list-style-type: none"> <li>• <math>V_{max}</math> on roads: 90 km/h</li> <li>• <math>V_{max}</math> on rails: 50 km/h in both directions</li> </ul>
Axles/drive system:	<ul style="list-style-type: none"> <li>• 4x4 permanent all-wheel drive with interaxle differential lock</li> <li>• Differential lock on front and rear axles</li> </ul>
Wheels:	<ul style="list-style-type: none"> <li>• Track gauge for driving on rails via vehicle wheels for maximum traction</li> </ul>

### Optional equipment

- Hydraulic interface for the rail guiding system
- Fully proportional work hydraulics for implements, e.g. snowplough
- Front PTO shaft (160 kW), e.g. to drive a snow cutter-blower
- Hydrostatic drive for stepless adjustment of working speed
- Tailor-made chassis conversion (CTT) for clearance for bogie rail gear when travelling by road

\* Euro V version available.

### Standard equipment

- Anti-corrosion cab made from fibre composite material, tested in accordance with ECE-R29/2
- Panoramic windscreen
- Steering column adjustable for height and tilt
- Multifunction steering wheel
- Air conditioning system
- Heating and ventilation system with 4 levels of adjustment, pollen filter
- Exhaust gas aftertreatment with SCR catalytic converter and diesel particulate filter
- Two-stage high-performance engine brake
- Anti-lock braking system (ABS)

### Attachments and bodies

ZWEIWEG road-rail technology:

- Bogie rail gear for tight curve radii from approx. 17 m
- Railway lighting system

SRT elevating work platform:

- Equipment in accordance with EN 280
- 450 kg payload (3 people + material)
- Insulation up to 1500 V (DC)
- Max. working height approx. 10 m
- Max. lateral reach approx. 6 m

KAHLBACHER KFS 850/2.500 snow cutter-blower:

- Cutter drum diameter: 850 mm
- Adjustable depth stop for safe snow clearing without colliding with railway infrastructure
- Driven by Unimog front PTO shaft