

The new Unimog with outstanding off-road mobility.

Speaker: Wulf Aurich I Product Manager Unimog Mercedes-Benz Special Trucks





The new Unimog integrates leading truck technology tested in large-scale production



Mercedes-Benz Wörth Plant: The Mercedes-Benz Unimog is designed and produced in the world's largest truck assembly plant. The engines are manufactured in the Mercedes-Benz engine factory in Mannheim.



The new Unimog series

The off-road professionals U 4023/U 5023	The implement carriers U 216 to U 530
170 kW (231 hp)	115 kW (156 hp) – 220 kW (299 hp)
7.5 t – 15.0 t GVW	7.5 t – 16.5 t GVW
3.85 m wheelbase	2.8 m – 3.9 m wheelbase

GER . U 5023

Interior

Variety of uses

Off-road design

Drivetrain

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Off-road design

Drivetrain

Variety of uses

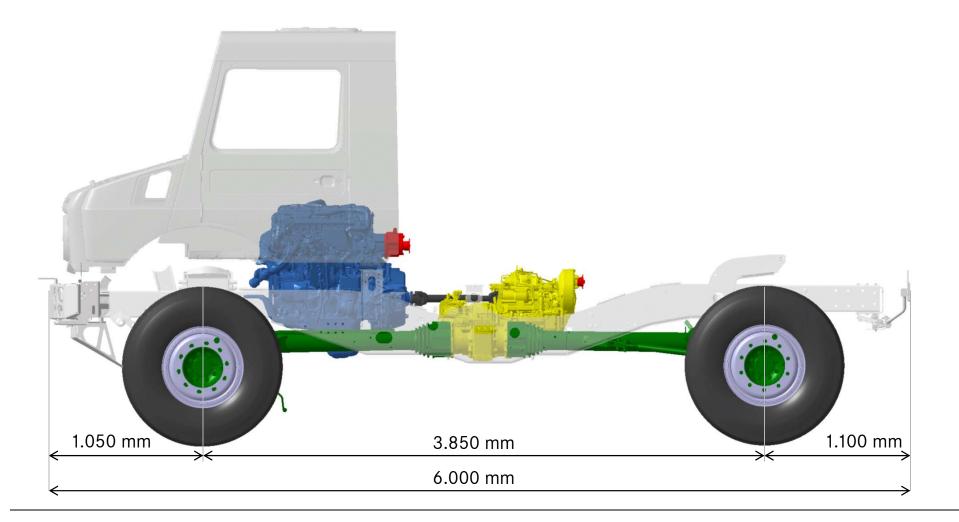
Interior

Perfection in rough terrain: the Unimog concept



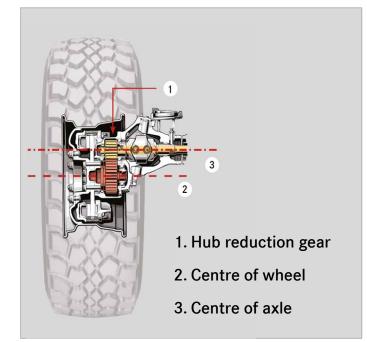
- Torsionally flexible frame with three-point suspension mounting for cab, engine and transmission
- Axle suspension with torque tube technology
- Axle articulation up to 30°
- All-wheel drive and single tyres for top traction
- Central tyre inflation system ex works
- Differential locks
- Portal axles to provide high ground clearance
- Short frame overhang provides wide angle of approach and departure
- Low off-road gear ratios for climbing ability up to 100 %
- Fording ability up to 1.20 m

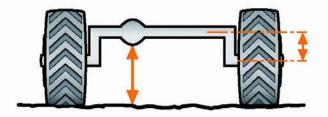
Traditional short bonnet cab designed with a mid-mounted engine



Portal axles

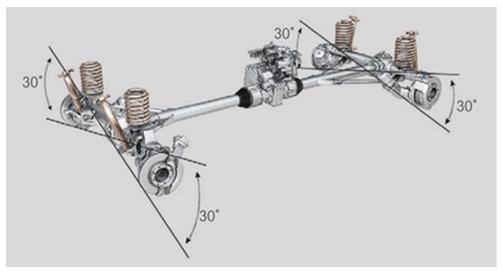






Axle articulation



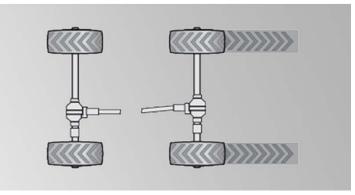


Chassis expertise



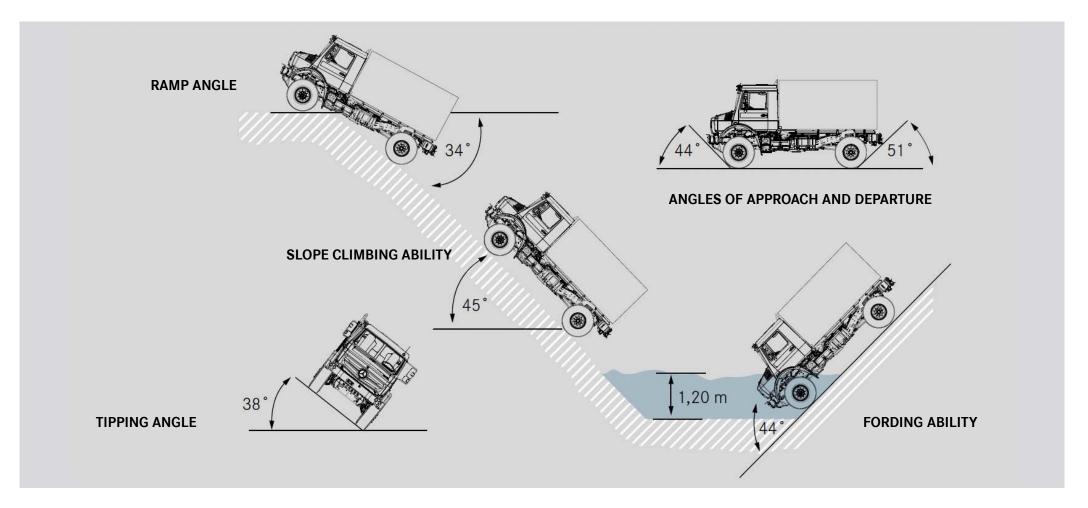


Central tyre inflation system *tirecontrol plus*

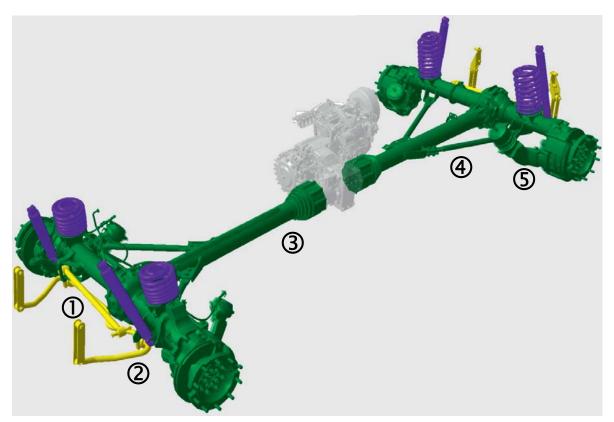


All-wheel drive and single tyres

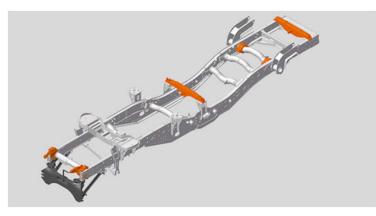
High ground clearance, great angles of approach and departure



Frame concept



- 1. Wishbones
- 2. Stabilizers
- 3. Torque tube
- 4. Axle strut
- 5. Spring controlled parking brake



Fully welded curved frame

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A sought-after place to work



New interior with improved controls



Height and tilt-adjustable steering column



Steering column control stalk for gear-changing, premium engine brake and EQR



Instrument cluster with large and light display



Intuitively-arranged controls with simplified functions

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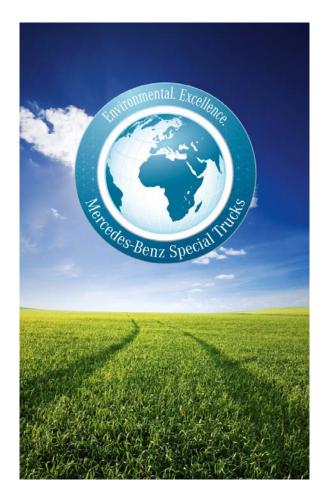
Off-road design

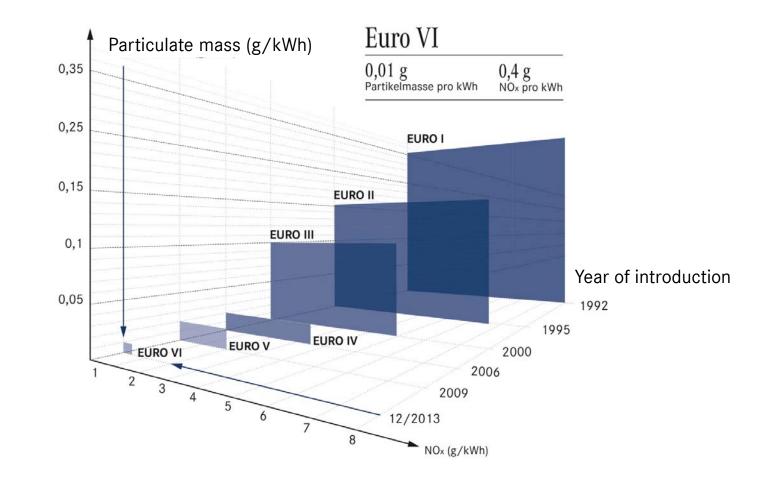
Drivetrain

Variety of uses

Interior

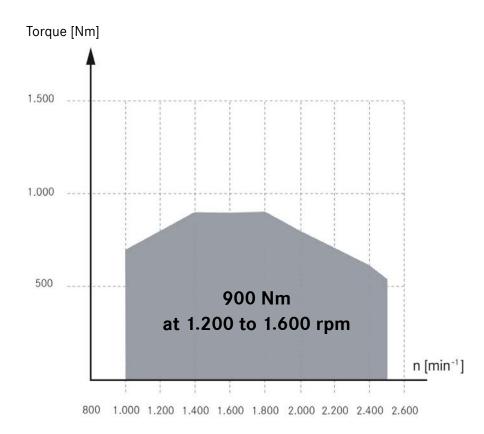
90 % reduction in emissions with better performance





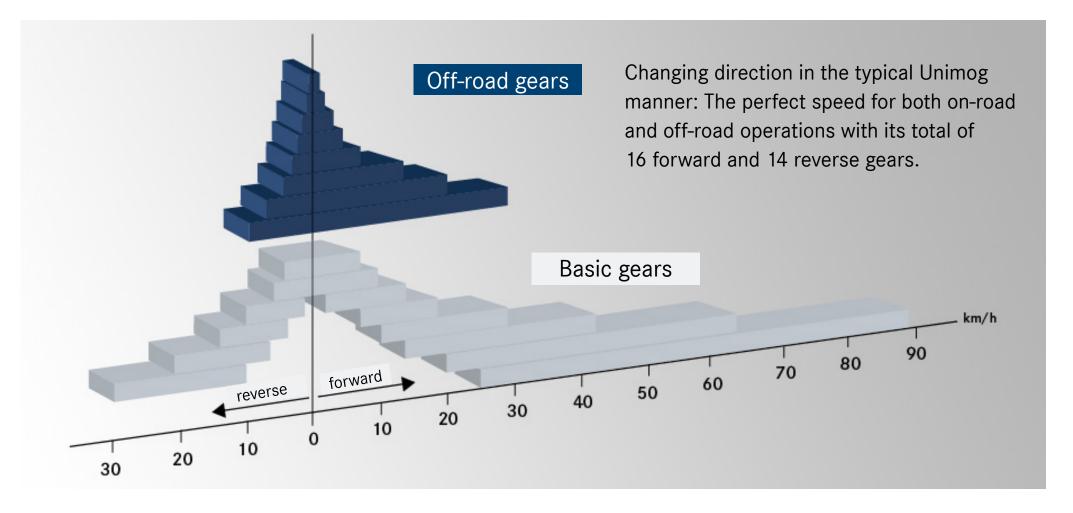
Lower fuel consumption. Greater efficiency 4-cylinder inline 5.1 litre engine (OM 934)



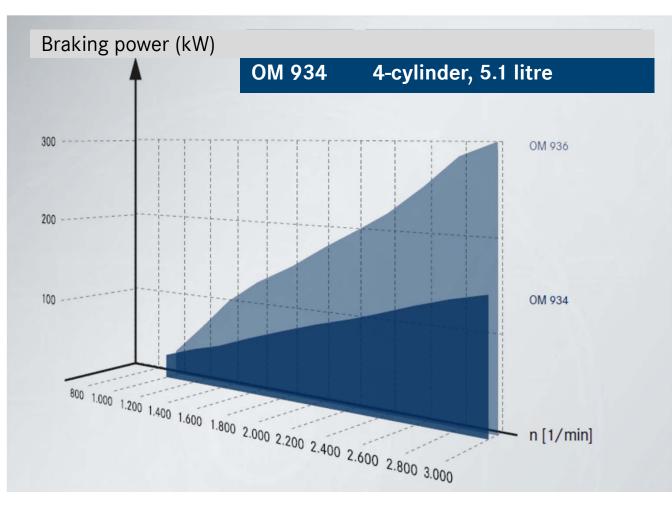


Mercedes-Benz

New and very efficient advanced transmission design



The strong premium engine brake



- Double cycle decompression brake
- Powerful braking performance up to 70 kW
- Each cylinder in the engine is fitted with its own engine-brake unit
- Reduction in mechanical wear on the brakes
- Contributes to economic efficiency

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A great variety of uses in places other vehicles never reach







- Fighting forest fires
- Disaster control
- Energy industry
- Expeditions
- Agriculture

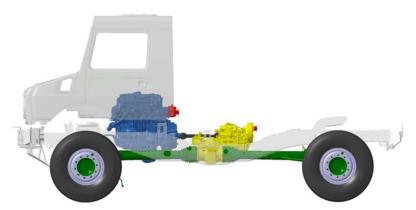
Attachment and mounting points

- 1. Standardised front mounting plate for attached implements weighing up to 1.5 t, e.g. snowploughs
- 2. Attachment brackets at the front for e.g. compressors or emergency power generators

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- 3. Cable winch bracket
- 4. Attachment brackets on the frame
- 5. Mounting fixtures for platform or box bodies
- 6. Sub frame for special bodies

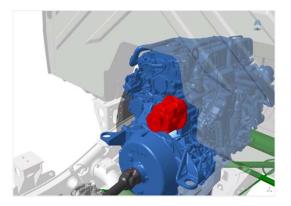
Powerful implement power take-offs (PTOs)



New engine-run power take-off



Single circuit hydraulics 240 bar, 60 l/min



Transmission-run power take-offs



Standardised electric sockets



Thank you very much for your kind attention!

Speaker: Wulf Aurich I Product M anager Unimog Mercedes-Benz Special Trucks

