



Ready for any challenge. The Unimog.

The efficient solution for agricultural and municipal applications.

Mercedes-Benz
Trucks you can trust



Where maximum versatility meets efficiency: the Unimog.

Flexible, fast, reliable and economical.

The Unimog: the experienced agricultural professional.

Even in its infancy in the 1950s the Unimog fully lived up to its name as a universal implement carrier in the agricultural industry. It has maintained its reputation as an outstanding all-round performer to this day – and rightly so. Exceptionally versatile in its capacity for carrying equipment, a tough worker and high-performance transporter that handles well on the road, the Unimog is the natural vehicle of choice for the widest imaginable range of uses. And agricultural logistics is one area where this professional transporter really excels.

Fuel-efficient and easy on the environment: the BlueTec 6 vehicle generation.

The modern Mercedes-Benz drive technology is underlying proof that the Unimog is a leader in environmental friendliness and efficiency. The Unimog boasts outstanding performance and a high payload despite its compact dimensions and extremely versatile range of applications. Its innovative operating concept and the comfortable cab meet high standards of ergonomics and safety.



The Unimog U 25, in high demand even then as a transport solution.



The Unimog U 1600 on crop protection duty with a body-mounted sprayer.



The two Unimog model ranges.

The Unimog U 216–U 530 is both a specialised implement carrier and a professional transport vehicle. With no fewer than four mounting and attachment areas, front and rear PTOs and high-power hydraulic systems, the Unimog implement carrier is clearly designed for use with high-performance equipment. At the same time, economical engines, high payloads and fast driving speeds ensure increased productivity at a time when companies are facing mounting challenges. The extreme off-roader U 4023/U 5023 is the real alternative wherever good ground clearance, a rugged build and a high payload are essential for crop protection and fertilisation tasks.

Gerhard Wolf has put his trust in Unimog for the last 23 years.



Gerhard Wolf runs a farm in Börslingen, near Ulm. He has a Unimog U 530 and a U 2400 in daily use there.



What jobs do you use your Unimog for?

We use our U 2400 on the fields for tilling, seeding, fertilising and crop spraying as well as for grass silage with a forage wagon. The U 530 is used exclusively for transport jobs for the farm. That would include transporting pigs, feed such as whey, which we fetch two or three times a week direct from the dairy, for transporting grain or silage maize from the fields to the silos or carrying silage from the meadows.

What are the advantages of the Unimog compared with a tractor or a lorry?

The Unimog is versatile, manoeuvrable, fast, great off-road and economical, plus it can also carry a payload itself too. Bodies are easy to mount, with changeovers possible in a matter of minutes. Being classified as an agricultural/forestry vehicle means the Unimog is not subject to any transport restrictions, so we're not banned from using the roads on Sundays and public holidays. The Unimog can be used on any agricultural tracks, and it has the same advantages as a truck in terms of ride comfort whilst still being registered as an agricultural/forestry vehicle.

Are there any specific commercial advantages?

We make use of the toll charge exemption. And the diesel consumption is comparable with an all-wheel-drive truck and significantly more economical than a tractor. I'd say that fuel consumption in the new U 530 is even less compared with its predecessor the U 500. As a ballpark figure, it's between 5 and 10 % less and we therefore have an average consumption of under 37 litres per 100 km across our entire range of transport tasks. The all-wheel drive gives good traction and tyre wear is exceptionally low. We get about 280,000 km out of a set of tyres (with a gross vehicle weight of 40 t most of the time) and they only cost a fraction to replace compared with agricultural tyres for a tractor over 200 hp.

What do you like about the overall Unimog package?

We have a very versatile vehicle, we can use our existing trailers, and we can go out in any weather thanks to the all-wheel drive. Access to the external barn for loading and unloading is guaranteed any time of day or night – even in 50 cm of fresh snow with drifts. Both with tipper and tanker transports we achieve payloads over 25 tonnes, and that's with a trailer unit. Any haulier would be envious of that.



The Unimog implement carrier: the advantages at a glance.

Ergonomics/operation.

- + The modern cab affords safety and offers excellent ride comfort thanks to a fully sprung chassis, seat position behind the front axle and comfort seats with integrated seatbelts.
- + All the controls for the implement, hydraulics and drive functions are conveniently accessible using a multifunction joystick.

Engines.

Efficient common-rail diesel engines:

- + 4-cylinder with 156, 177 and 231 hp and 900 Nm torque
 - + 6-cylinder with 272 and 299 hp and 1200 Nm torque
- for high power output with reduced fuel consumption and up to 90% lower emissions thanks to Euro 6 technology.

Drive concept.

- + Permanent all-wheel drive and three differential locks.
- + Automated gearbox (EAS) available as an option for gear shifts without having to operate the clutch.
- + The EasyDrive synergetic drive enables infinitely variable driving up to 50 km/h during operations as well as the ability to switch between the hydrostatic and mechanical drivetrains while the vehicle is in motion.
- + Portal axles.

PTOs.

The front PTO delivers 160 kW and at the mechanical rear PTO up to 220 kW of power is available.

Hydraulics.

Various hydraulic systems are available as required, e.g. the load-sensing hydraulic system with up to 110 l/min hydraulic fluid flow and 240 bars of pressure – both powerful and fuel-efficient.

Cab.

- + The short front overhang and wide-swept panoramic windscreen guarantee optimum visibility of the front implements.
- + The lighting package with work lamps and roof-mounted floodlights combined with a new windscreen wiper design also ensure perfect visibility even under tough conditions.

Attachments and bodies.

- + Front and rear power lift and front implement mounting plate.
- + Tipper platform with optional inlaid section.
- + Standardised interfaces.
- + 4 dual-function hydraulic controllers.

Central tyre inflation system (CTIS) ex factory.

The redesigned central tyre inflation system (CTIS) Tirecontrol Plus is available as an option. It is integrated in the portal axles, works either automatically or manually and is easy to activate from the steering wheel. There are three selectable modes, providing optimum traction in the fields, reduced consumption on the road and good handling at speed.

Tyres.

Agricultural or road tyres with steel or aluminium wheels are available, depending on the intended use. High-cleat agricultural tyres are available up to a maximum size of 495/70 R 24 for the U 530.





Optimum working conditions.

Details and functions of the operating concept.

- 01 The panorama cab comes with a choice of either 2 or 3 full-size single seats and offers optimum visibility over the working area.
- 02 The multifunction joystick is used to operate the hydraulics and also to engage the Electronic Quick Reverse (EQR) gear group.
- 03 Driving functions such as the shift lever, engine brake (on the right) and the EasyDrive hydrostatic drive system (on the left) are integrated in the new steering-column levers.
- 04 The instrument cluster has a large display showing all the important information, such as oil level, air pressure and the hydraulic settings.
- 05 The multifunction steering wheel gives easy access to the display as well as to the hands-free facility.
- 06 Three optional cameras are available to improve visibility of the vicinity immediately around the vehicle (front, rear and implement cameras).
- 07 VarioPilot® transferable steering is available as an optional equipment item. This enables the driver to sit either on the left or right side of the cab, depending on the task - a mowing door with swivel seat is also additionally available.

No matter what the day holds in store for you or what tasks lie ahead. The panoramic cab of the Unimog implement carrier meets the highest requirements for operation, comfort and safety. Intuitive and ergonomic controls are characteristic of the cab's thoughtful design, as are the comfortable seat position, air-sprung comfort seats with 3-point seat belts, head restraints, seat heating, parking heater and air-conditioning. ABS and the 3-point cab mount further add to the ergonomic design and ride comfort.



The Unimog: built to work.

Always at the ready. The Unimog manages to get just about anywhere, and will go to work for you whatever the terrain. In part this is thanks to Tirecontrol Plus, the central tyre inflation system (CTIS). With the option to select between three modes – road, sand and rough track – the correct setting for the vehicle’s weight and speed is just a button push away.



The central tyre inflation system (CTIS) can be activated from the steering wheel – even while the vehicle is moving.

On-demand hydraulic systems: from simple tilting hydraulics to power hydraulics, VarioPower® supplies the optimum solution for a whole range of purposes, e.g. the new high-performance and fuel-efficient load-sensing hydraulic system with up to 110 l/min oil flow and 240 bars of pressure.

Tilting hydraulics	20 l/min, 185 bar
Working hydraulics Single circuit	55 l/min, 210 bar
Working hydraulics Dual circuit	32 l/min, 210 bar (circuit I)
	55 l/min, 240 bar (circuit II)
	87 l/min, 240 bar (circuits I + II)
Load-sensing hydraulics	110 l/min, 240 bar
Power hydraulics Circuit III	125 l/min, 280 bar
Power hydraulics Circuit IV	125 l/min, 280 bar

The Unimog implement carrier concept enables economical, high-performance and, above all, efficient operation. Even the most demanding jobs in agriculture and forestry, such as those involving large-scale wood chippers, loading trailers or wide-area spreaders, are problem free.



Height-adjustable trailer coupling with 80 mm ball and rear power lift with up to 5 t hoisting power.



U 430 and U 400 harvesting wood fuel: maximum use of the rear PTO, fast and economical transportation.

A professional transporter that's economical both in the field and on the road.

Don't get bogged down when the road runs out – especially on farmland. With pressure on costs increasing all the time and working environments becoming ever more demanding, the Unimog is a quick and efficient transport solution for farmers and contractors. If you need to shuttle between fields, roads and depots, the Unimog offers high performance across the widest range of applications: good

off-road capabilities that won't churn up the ground when out in the fields; fast and safe out on the road – and all of that coupled with a high payload and great traction. At the same time, its efficient engines ensure that consumption is particularly economical while it is used to full capacity across the widest range of agricultural operations.

The ability to swap equipment as well as the four attachment and mounting areas mean that the Unimog is not only versatile, it can be operational all year round – from tilling to loading work with trailers, to muck spreading, harvesting, wood chipping or baling.



Best view when loading: the Unimog with front loader.



U427 transporting slurry with a 3-axle trailer.



U530 with tandem-axle hook lift trailer, transporting silage.



The key to agricultural transportation is achieving a maximum payload. That's why the Unimog is designed to take heavy loads and has a large volume capacity. With its low kerb weight for a high payload of up to 25 t at a gross vehicle weight of 40 t, the argument for deploying the Unimog profitably in agricultural logistics is a compelling one.

Significantly, the Unimog is classified as an agricultural/forestry vehicle and can therefore be exempted from toll charges and take to the roads on Sundays and public holidays as well. The Unimog can also be driven on a class T (tractor) licence if speeds are limited to 60 km/h.

Transport speeds of up to 90 km/h.



Of course there are tractors which were developed for working in the fields. And there are trucks which are well equipped to provide fast transport on our roads. And then there is the Unimog from Mercedes-Benz. It is ruggedly resilient in off-road conditions and can hold its own on the roads, efficiently and quickly, at speeds up to 90 km/h – which makes it perfectly suitable for motorway driving.

It combines a high output drive system for powering a wide range of implements and a good turn of speed on the road.

In the fields it is important to protect the ground as much as possible. The Unimog has clear advantages here, especially where delicate jobs like crop protection and fertilising are concerned. The portal axles ensure high ground clearance, e.g. when crop spraying on arable land. The central tyre inflation system (CTIS) adjusts

the tyre pressure for an optimum match to the ground conditions. This gives the vehicle good traction without churning up the soil, even when the weather conditions leave a lot to be desired. In addition, the rear PTO can supply full engine power for demanding tasks in the field, e.g. for wide-area mower combinations.

For contractors, who now have to operate over increasingly large areas, speed is of the essence, especially when there are large distances to cover between clients or if the fields are far apart.



Unimog with wide-area mower combination: quick on the roads, effective and comfortable in the field.



Working stubble with a high-performance 6-metre compact disc harrow.



Unimog with spreader body for fertilising or liming.



Portal axles ensure good ground clearance – e.g. when working with a forage wagon.



Full engine power at the rear PTO for driving the baler.



A Unimog at work with a large-area windrower.

Versatile and reliable for highway and verge maintenance.

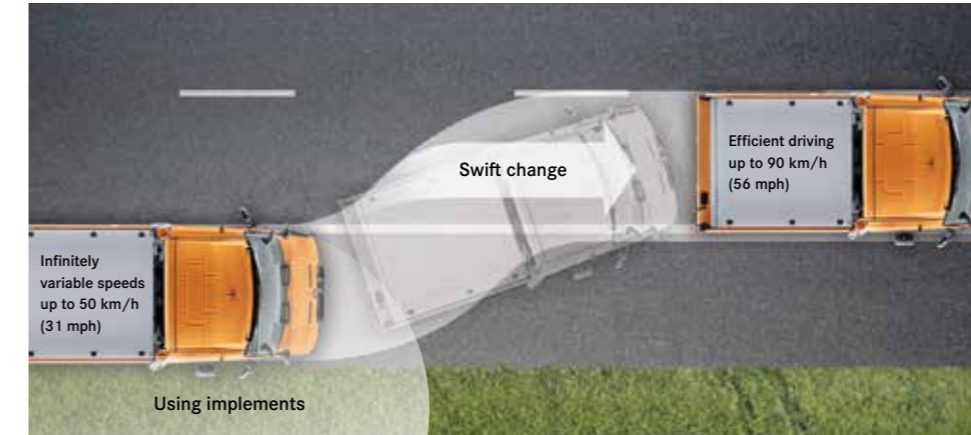
For contractors in particular, the Unimog offers the possibility of additional utilisation outside the harvest periods, therefore providing further sources of revenue.

The Unimog really comes into its own in winter service operations. Automated gritters with a capacity of 1.5–4.4 cubic metres can be mounted on the Unimog's tipper platform or directly onto the ball points of the floor assembly. With a vehicle width starting at just 2.15 m, the Unimog can get into places that other vehicles could never squeeze into.

Snowploughs and spreaders can be attached quickly thanks to standardised interfaces such as the factory-fitted front implement mounting plate. The short front overhang ensures a perfect view of the road and thanks to the balanced axle-load ratio the Unimog is ably equipped for reliable operation in the winter months in particular, where its safe handling, directional stability, permanent all-wheel drive and ABS really come into their own.

The Unimog also excels in operations associated with road and pathway construction and maintenance, where its versatility and power make it a reliable performer. For example, when working with embankment cutters and compactors on water-bound macadam roads.

The Unimog combines maximum output per unit of area with minimum disruption to traffic by simultaneously using up to three mowers with a grass trailer. To make mowing jobs even more comfortable the Unimog can be equipped with transferable steering, a swivel seat and a mowing door for more space and a better view of the working area.



Turning the corner - with all-wheel steering: the auxiliary rear axle steering gives the Unimog even greater manoeuvrability.

EasyDrive: The optional drive system for changing between stepless working and fuel-saving driving with manual gearbox while the vehicle is moving.

In the autumn and spring the Unimog can be used for other tasks, e.g. transport jobs, even with the spreader attached.

The extremely agile off-road Unimog U 4023/U 5023.

For working on the land and for municipal applications:

this is where the extreme off-road Unimog comes into its own. With all-wheel drive and extreme torsional flexibility it can master any challenge, always enjoying a clear advantage in tough terrain: for crop spraying it has excellent ground clearance in the fields and a good turn of speed on the roads. Equipped with common hydraulics and a front implement mounting plate, it can take a variety of attachments and bodies, including a snowplough and automated gritter for use in winter service operations. With a loading crane it can tackle an additional range of different transport and handling tasks.



Rugged and reliable.

- + Fully-sprung chassis and cab
- + Large radiator in a protected location above the bumper
- + Fully welded frame and sealed drivetrain for long service life in tough terrain

Powerful.

- + High-performance engine with 170 kW (231 hp)
- + High payload
- + Engine PTO as mechanical interface for implement drive (600 Nm), gearbox PTO and hydraulic pumps
- + Driving speeds up to 90 km/h

Good on gradients.

- + Central tyre inflation system (Tirecontrol Plus)
- + All-wheel drive for excellent traction
- + Good ground clearance thanks to portal axles
- + Differential locks
- + Short frame overhangs for extreme angles of approach and departure
- + Low-range ratio for gradeability up to 100%
- + Torsionally-flexible vehicle frame
- + Fording capability up to 1.20 m

User-friendly.

- + Front camera to improve vision
- + Reversing camera
- + Comfortable modern cab



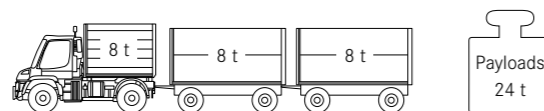
One vehicle: all the advantages.

The Mercedes-Benz Unimog with BlueTec 6 isn't just environmentally-friendly and versatile, it is also economical when it comes down to the real nitty-gritty of capacity utilisation and operating costs.

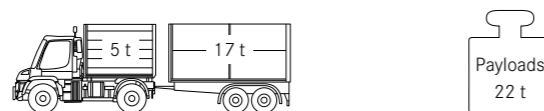
Advantages at a glance:

- + High transport speeds up to 90 km/h
- + Efficient transportation thanks to high payload
- + Low fuel consumption
- + Meets highest standards for emissions with Euro 6
- + Agricultural/forestry vehicle so no toll charges or Sunday ban
- + Equipment can be attached front and back thanks to hydraulic system and factory-fitted rear power take-off shaft
- + All typical agricultural implements can be operated
- + Chassis design ensures comfortable ride and off-road traction
- + Compact dimensions for increased manoeuvrability when things get tight
- + High capacity utilisation due to municipal and agricultural application (transport + equipment)

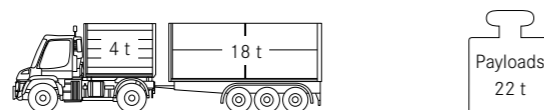
Examples* for agricultural transport systems with permissible gross vehicle weights of up to 40 t based on the Unimog U 530, dependent on the trailer and body used:



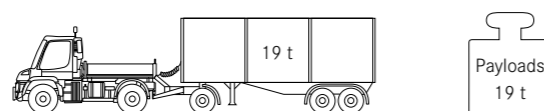
Unimog with two drawbar trailers,
2 x 16 t or 2 x 8 t towing capacity, combination kerb weight: 16 t



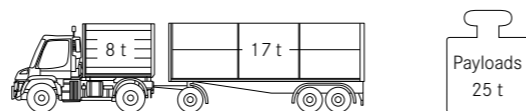
Unimog with tandem trailer,
2 t drawbar load, 20 t towing capacity, combination kerb weight: 13 t



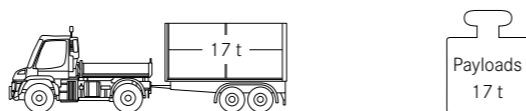
Unimog with tridem trailer,
3 t drawbar load**, 24 t towing capacity, combination kerb weight: 18 t



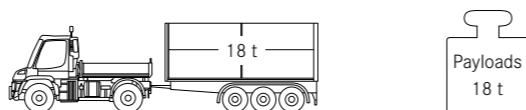
Unimog with dolly axle and semitrailer,
2 t drawbar load, 27 t towing capacity, combination kerb weight: 19 t



Unimog with 3-axle hinged drawbar trailer,
24 t towing capacity, combination kerb weight: 15 t



Unimog with tandem trailer,
2 t drawbar load, 20 t towing capacity, combination kerb weight: 13 t



Unimog with tridem trailer,
3 t drawbar load**, 24 t towing capacity, combination kerb weight: 18 t

* Approval:
- Unimog with 8 t kerb weight incl. agricultural equipment and body
- Average kerb weights of trailers from market-typical manufacturers
** Available from 2016

Model overview and technical data.



Model	U 216 U 218	U 318	U 423	U 427 U 430	U 527 U 530	U 4023	U 5023
Engine output	115 130 kW 156 177 hp	130 kW 177 hp	170 kW 231 hp	200 220 kW 272 299 hp	200 220 kW 272 299 hp	170 kW 231 hp	170 kW 231 hp
Torque (Nm)	650 750	750	900	1100 1200	1100 1200	900	900
Max. perm. GVW	10.0 t	11.0 t	13.8 t	14.0 t	16.5 t	10.3 t	14.5 t
Perm. axle loads (FA)	5.2 t	5.5 t	6.9 t	7.0 t	7.5 t	4.6 t	6.4 t
Perm. axle loads (RA)	5.5 t	6.0 t	7.8 t	8.0 t	9.5 t	6.0 t	8.8 t
Wheelbase (mm)	2800	3000	3000	3150	3350	3850	3850
Dimensions in mm (L x H x W)	4980 x 2855 x 2200	5155 x 2845 x 2200	5150 x 2900 x 2200	5300 x 2900 x 2200	5440 x 2900 x 2300	6000 x 2797 x 2480	6000 x 2818 x 2480
Turning circle (m)	12.6	13.7	13.7	14.3	15.1	16.2	16.6
Ground clearance ⁽¹⁾ (mm)	347	337	431	431	446	441	470
Tyres (smallest)	295/60 R 22.5	295/60 R 22.5	315/80 R 22.5	315/80 R 22.5	365/85 R 20	335/80 R 20	365/80 R 20
Tyres (biggest)	425/75 R 20	425/75 R 20	445/70 R 24	445/70 R 24	495/70 R 24	425/75 R 20	495/70 R 24
Road speed	90 km/h	90 km/h	90 km/h	90 km/h	90 km/h	90 km/h	90 km/h
Special equipment							
Hydraulics system	•	•	•	•	•	(•) ⁽²⁾	(•) ⁽²⁾
Power take-offs	(•) Front only	•	•	•	•		
Central tyre inflation system		•	•	•	•	•	•
EasyDrive (hydrostatic)		•	•	•	•		
Front/rear power lift ⁽²⁾	•	•	•	•	•		
All-wheel steering			•	•	•		

⁽¹⁾ With the biggest tyres
⁽²⁾ Through conversion specialist



The entire Unimog world.

Services to keep you mobile and flexible.

Mercedes-Benz CharterWay: Unimog rental.

Staying versatile and mobile.

Mercedes-Benz CharterWay can supply the Unimog with various bodies suitable for use as both winter and summer service vehicles. For example with a moist or dry salt spreader and snowplough. Advice, vehicle collection and return is found at selected Unimog General Distributors which are CharterWay Unimog service outlets.

- + Convenient rental types to suit the client's current requirements
- + Get highly specialised seasonal vehicles for your fleet
- + Since 1992 CharterWay has been offering services and mobility in connection with the acquisition, servicing and management of Mercedes-Benz commercial vehicles

Financing and leasing.

With our custom financial services you can maintain the flexibility you need for your accounts. Jointly with the Mercedes-Benz Bank and our Unimog Dealers we can provide customised service offers such as leasing, financing, full-service leasing and extended warranties. Contact your Unimog Dealer for more information.

- + Daimler Financial Services finances and leases around 40% of all vehicles produced by Daimler
- + The company is active in almost 40 different countries
- + Daimler Financial Services employs around 7000 staff worldwide

Mercedes-Benz Service.

Wherever you use your Unimog – Mercedes-Benz is on hand. Worldwide at over 650 Unimog Service Support Points in over 130 countries around the world we will take care of your Unimog straight away if you need us to. And with the same care, the same experience and the same technical possibilities as those with which we built it. That is guaranteed by the comprehensive service offered by our competent Unimog Service Partners.

- + First-class service quality at over 650 locations around the world
- + Maintenance, diagnosis and repairs
- + Technical support
- + Advice and training tailored to requirements
- + Individualised finance and fleet packages
- + Mobility services from quick start aid to loan vehicle

Original parts for perfect integration and maximum functionality: Your Unimog Service Partner will supply Mercedes-Benz genuine parts – either new or reconditioned parts. You get the benefit of first-class Mercedes-Benz quality, excellent value for money and a long service life. You will also be able to obtain exclusive Mercedes-Benz genuine retrofit accessories from your Unimog Service Partner.

- + Mercedes-Benz genuine parts
- + Mercedes-Benz genuine reconditioned parts
- + Optimum availability
- + Outstanding value for money
- + Warranty and follow-on warranty for parts and assemblies

Find out more about additional ways of using the Unimog.

The Mercedes-Benz Unimog performs at the highest levels in other industries and segments too, its unique versatility ensuring it can always be used to full capacity.



MUNICIPAL



FIRE & RESCUE



ROAD-RAIL



ENERGY



CONSTRUCTION



... AND MANY OTHERS

I want to find out more.

Yes, I would like more to receive more information about the Unimog

Private Business/trade

Does your company already use Unimog vehicles?

Yes No

Do you also do jobs involving difficult terrain?

Yes No

Do you use various implements and mounted bodies/equipment?

Yes No

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Find out more about the Unimog for agricultural applications by visiting: www.mercedes-benz.com/unimog-agricultural-logistics

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