The Axor. The Actros

Long-distance transport. 18 – 26 tonnes

Mercedes-Benz
Trucks you can trust
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Equal to any task in long-distance transport. Including yours. The Actros and the Axor from Mercedes-Benz
Whatever you need to transport and however far you need to take it, the Actros or the Axor is the perfect long-distance truck for practically any application. The Actros for the highest level of ride comfort in the international long-distance sector. And, for medium-distance work, the Axor – with the customary high payload and a wealth of practical details that make the job easier. As you will see.
Sets standards: the Actros

Outstanding reliability and economy, impressive driving and living comfort and exemplary safety – these are the key attributes with which the Actros sets standards in international long-distance operations.

High comfort – the Actros excels with an ergonomically designed workplace and great freedom of movement, and sets standards in practicality, comfort and equipment, from the precise steering and graphics-capable instrument cluster to the comfort bed at the bottom. There are also numerous other practical features included as standard, such as a towel holder and shaving mirror, providing additional comfort.

Low costs – thanks to the Actros you’re sure to find yourself travelling down a particularly economical route: take its highly reliable, frugal BlueTec® 5 engines, for example, or the standard-fit Mercedes PowerShift 2 automatic transmission. An optionally available Economy Pack increases cost-effectiveness even further, and an exemplary array of safety equipment plus optional driver assistance systems mean yet more safety and comfort on the road. Step in and take a seat!
The ideal conditions for more job satisfaction

The cabs for the Actros convince even the most critical test drivers. And the most cost-conscious too. Because they combine comfort and cost-effectiveness. With exemplary ergonomics, numerous practical features as standard and – not least – through their trailblazing design.

Strikingly attractive and powerful – from the sun visor right down to the front apron: trademark Actros features. Not only does it boast an attractive design; it also leaves nothing to chance where comfort, safety and economy in day-to-day operations are concerned. As a driving, working and living environment, the cabs more than meet today’s constantly increasing expectations. From the ergonomically designed instrument cluster, the one-touch indicator function included as standard, and the optional rain and light sensor to the comfort bed at the bottom, which is also included as standard, and many other practical details. Not forgetting headroom of up to 1.92 m, great freedom of movement and large stowage compartments. Everything in the Actros serves a single purpose: to ensure the job gets done comfortably, safely and cost-effectively.

The geometry of the exterior mirrors ensures less vibration and less dirt build-up on the sides. They are also optionally available with covers painted in the vehicle colour or with a two-piece chromed or ribbed cover.

Combining better looks with enhanced aerodynamics and more safety: the corner panels on the Actros.

The optionally available Mercedes star, which lights up at the touch of a button, shows that both are possible: being on the road cost-effectively and still looking good.

The sun visor, which is standard in the Megaspace cab, improves visibility and safety. Its central stainless-steel panel also accentuates the striking appearance of the Actros.
You can’t put a price on motivation.
But you can on the cabs that provide it

The cabs for the Actros feature countless examples of how ergonomics, comfort and design can be combined to produce the one factor that is probably most important of all in international long-distance operations: the motivation to take pleasure in a job well done.

The Actros interior: plenty of scope to move around and plenty of space to work and live. The L-cab and Megaspace cabs are equipped as standard with an air-sprung driver’s suspension seat, a manually controlled air-conditioning system, as well as the comfort bed at the bottom and numerous practical shelves and stowage compartments. A Single Cab is available as special equipment for drivers operating alone – offering more comfort for breaks or at the end of the day.

Included as standard – the one-touch indicator function for even greater convenience: just touch the combination switch once – and the indicators on the Actros flash 5 times. Further impressive aspects of the Actros include its look and feel and its build quality – with high-grade materials and coordinated colours that create an exceptionally pleasant working environment. Giving the driver that all-important feel-good factor when out on the road.

The Megaspace cab meets the very highest expectations. Both in terms of freedom of movement and working/living comfort. From the completely level floor with headroom of 1.92 m to the standard-fit comfort suspension seat for the driver and the well-proven cockpit design, right up to the first-class beds and plenty of practical stowage facilities – including two separate, externally accessible stowage compartments for the necessary vehicle tools. In short, the Megaspace cab has everything you need on a long journey. And everything it takes to make a driver’s heart beat faster.
The L-cab excels with its comfortable, driver-oriented interior, with features including a comfortable driver’s seat, manually adjustable air conditioning and the comfort bed. Plus many more practical, motivation-enhancing features.

In conjunction with the driver’s seat, the steering wheel adjustment range of up to 66 mm for height and from 10° to 42° for rake ensures optimal driving comfort. In addition, the 10° parking position allows easier access and egress for the driver together with excellent cross-cab access.

The telephone, radio and driver information system can be operated using the buttons on the multifunction steering wheel, which is also optionally available in fine leather. There are also diagnostic functions and various onboard settings – from an alarm clock to an auxiliary heater.

The analogue and digital displays in the instrument cluster with chrome dial surrounds boast optimum legibility, thanks to a winning combination of lettering, colours and dials.

Ideal for the solo driver: the Single Cab has plenty of standing room and offers outstanding legroom when the driver is seated. The armchair mounted on the rear panel and the padded side walls with a reading light make breaks all the more relaxing. More information about the Single Cab follows on page 14/15.
From the air-sprung suspension seat to the optional climate-controlled suspension seat, all the drivers’ seats ensure the best possible seating position and therefore safe, relaxed driving. The comfort suspension seat optionally available for both the driver and co-driver is also available in leather with a pneumatic lumbar support, adjustable side bolsters and heating. The optional rain and light sensor tangibly assists the driver and improves safety even further. It automatically activates the wipers in five individually adjustable stages when it rains, and switches on the headlamps when darkness begins to fall. The illuminated control panel for the Telligent® level control and a switch in the cockpit, at the touch of which the Actros can be brought to standard level, also contribute to greater working comfort. As does the standard-fit battery status indicator, which informs the driver of the battery charge level and startability, thus helping to avoid unforeseen downtimes. The standard-specification compressed-air connection on the rear of the driver’s seat can be used for cleaning the cab. A compatible compressed-air gun with a spiral hose is available as an option, as are the rubber floor mats, which are specially tailored to fit the floor contours of the cab concerned.

1. Maximum seating comfort – the ventilated comfort air-sprung suspension seat keeps the seat cool – without any unpleasant draughts around the kidneys. The upholstery of this seat, which is optionally available for both the driver and co-driver, is made from a combination of tough velour and elegant Alcantara

2. Numerous adjustments such as height adjustment with a memory function, variable seat cushion angle adjustment, seat cushion height adjustment and a height-adjustable seat belt contribute to optimal seating comfort for safe, relaxed driving

3. Optionally available: truck navigation from Mercedes-Benz. Thanks to truck-specific, dynamic route guidance with DVD navigation and an integral TMC function, which automatically suggests an alternative route when a tailback is encountered, you will reach your destination even sooner in most European countries

4. The optional radios with an integral Bluetooth hands-free system leave no wishes unanswered: in addition to a radio and CD player compatible with all common music formats, these units feature interfaces for connecting MP3 players, CD changers and TV

5. The ball-type air vent prevents the side windows from misting or freezing over, and provides a flow of cool air for the driver in the summer months. The illuminated switches for the central locking system, power windows, mirror adjustment and mirror heating system are exactly where you would expect to find them
The cockpit of the L-cab has numerous practical features, for example the large upper stowage compartment and secure receptacles for cups, cans and bottles. Directly underneath: a drawer with a capacity of 5.5 l for freight documents and other paperwork. The cockpit of the Actros is also optionally available with a “wood” or “brushed steel” trim.

Heating, ventilation and climate control: the L-cab and Megaspace cab are equipped with manually controlled air conditioning as standard. The optionally available automatic climate control automatically adjusts functions such as the fan setting, temperature and air distribution. And the Air Quality System automatically switches from fresh to recirculated air mode when necessary. Also available as an option: virtually silent, temperature-controlled auxiliary air conditioning and auxiliary hot-air heating, both fully integrated into the ventilation system for maximum comfort during breaks and rest periods.

Advantages at a glance

- Megaspace cab with completely level floor and headroom of 1.92 m
- Multifunction steering wheel with which the telephone, radio and diagnostic functions can be controlled, for example
- Battery status indicator as standard to avoid unforeseen downtimes
- Instrument cluster with a large matrix display and optimum legibility
- One-touch indicator function as standard
- Optional comfort suspension seat or ventilated comfort air-sprung suspension seat with multi-stage ventilation
- Rain and light sensor available as an option
- Ball-type air vent for clear side windows
- Illuminated switch console for power windows, mirror adjustment, mirror heating and central locking system
- Optional automatic climate control, auxiliary air conditioning and auxiliary hot-air heating

The cockpit of the Megaspace cab – as well as those of the L-cab, this has four additional, spacious stowage trays. And to make sure that no gymnastics are needed to get into the upper comfort bed, a fold-out step is integrated between it and the lower bed.
You’ll love it. Perhaps just as much as your own home

What makes driving a pleasure? What makes for a comfortable home? And what makes a space seem larger?

The Actros has the answers.

The Actros has plenty of features to offer where living comfort is concerned as well: standard features include the comfort bed at the bottom, a sunblind on the driver’s side, a shaving mirror, two towel-holders and seat that can be folded forward simply by unlatching the backrest. Options include a folding table and a sunblind on the co-driver’s side. In short: there is a great deal to look forward to in the Actros.

Also on board: large stowage compartments, co-driver’s seats that promote wellbeing, and lighting for any situation – for example cockpit illumination, a green night-light system and – as an option – dimmable, blue ambient lighting for an extra-pleasant atmosphere. Another option is the Single Cab – with particularly generous legroom and freedom of movement – plus optional Bluetooth radios which can be operated either directly, via the steering wheel or via a switch module near the beds.

The optionally available folding table is easily erected and folded away, facilitating relaxed eating or working on the co-driver’s side. The table surface is hard-wearing and in the L-cab and Megaspace cab it can be stowed away in the stowage compartment behind the co-driver’s seat or in the centre stowage compartment above the windscreen.

1) Standard equipment in conjunction with the upper bed and air-sprung seats
In the L-cab with a high roof and in the Megaspace cab there are three large open stowage compartments which can be fitted with hinged covers, illuminated and lined with non-slip fleece as an option. A CD box and a lockable compartment for valuables are also available as options.

For those who like to start the day with a shave, the L-cab with a high roof and the Megaspace cab include a 21 x 15 cm easy-to-stow shaving mirror as standard in a stowage compartment with a hinged cover above the windscreen.

Beneath the comfort bed: the internally accessible, outer stowage compartments and the wide centre compartment in the L-cab provide plenty of stowage space. In the Megaspace cab there are two spacious, smooth-running drawers in place of the centre stowage compartment.

A crate of drinks can be easily accommodated in the internally accessible outside stowage compartment of the Actros. In the Megaspace cab there is a tool compartment for the vehicle tools, warning triangle, fire extinguisher and first-aid kit immediately below this.

Depending on the cab and equipment level, practical stowage trays, compartments and drawers with a total capacity of up to 125 l can be integrated. The optionally available refrigerator with a folding table is integrated into the upper pull-out drawer.

In the interior, the standard specification roller sunblind for the driver’s side reduces both heat penetration and glare on hot days – enhancing safety and ride comfort in bright sunshine. A roller sunblind for the co-driver’s side is available as an option.
The optionally available Single Cab was developed to cater for the solo driver. The centrepiece of the homely co-driver’s area is the comfortable armchair mounted on the rear panel, which replaces the conventional co-driver’s seat. This means a huge amount of legroom when seated during breaks and rest periods, and unusually generous space when standing.

The beds in the Actros set standards: the comfort bed at the bottom, included as standard, is fitted with an individually adjustable slatted base and a high-grade foam mattress for a really good night’s sleep. An adjustable headboard improves comfort even further. A wide, fixed frame also ensures good seating comfort.

The upper comfort bed also boasts an adjustable slatted base and a high-quality foam mattress. In addition, the angle of its surface can be variably adjusted to suit unlevel ground – up to an angle of –10°. Moreover, all the seats in the Actros with the exception of the regular seat can be folded forward by simply unlatching the backrest. In the L-cab the seats are upholstered in a flat-weave fabric in the “Brasao” design. Optionally available seats such as the driver’s comfort suspension seat are upholstered in velour in the “Brasao New” design, which is standard in the Megaspace cab.

For most Actros variants an optional Comfort Pack is available which further improves working and living comfort – ex factory and at a particularly favourable price.
Two 42 cm towel rails mounted on the roof liner provide space for anything that needs drying en route.

The optional 202 x 80 cm upper comfort bed justifies its name in every respect, as illustrated by the fact that the angle of the bed surface can be variably adjusted to suit unlevel ground, for example – either for sleeping or if used as a stowage area.

Ensures optimum sleeping comfort in both Actros beds: the flexibly sprung slatted frame.

Included as standard: the comfort bed situated at the bottom in the Actros is equipped with a flexible, individually adjustable slatted frame, a height-adjustable headboard and a high-quality foam mattress, thereby ensuring optimum sleeping comfort. The lighting, radio, auxiliary heater and electrically adjustable pop-up roof can be conveniently operated from the bed.

Advantages at a glance

- Comfort bed at the bottom as standard, with slatted frame and adjustable headboard
- Upper comfort bed with a range of practical setting options
- Body-contour-supporting and flexibly sprung slatted frame in both beds
- Equipment for the Single Cab includes an armchair for the solo driver
- Co-driver’s regular seat with folding seat surface and backrest
- Optional reclining seat – for unrivalled comfort and relaxation
- Sunblind for the driver’s side, also available for the co-driver’s side as an option
- Two 42 cm towel rails as standard
- 21 x 15 cm shaving mirror as standard
- Optional folding table on the co-driver’s side
- Numerous practical stowage trays and compartments
- Optional refrigerator with a capacity of 25 l
- Optional, favourably priced Comfort Pack with a selection of features
It has never been easier to operate cost-effectively

Reliability and cost-effectiveness – those are the attributes that make the Actros so convincing in international long-distance operations. In the sum of its parts and with every technical detail.

Purpose-designed technology and low costs come hand in glove with the Mercedes PowerShift 2 automatic transmission included as standard in the Actros, and the durable, economical BlueTec® engines which are able to meet the Euro 5 standard cost-effectively. Maintenance intervals of up to 120,000 km and optional engine oil-change intervals of up to 150,000 km speak for themselves. Optional super-wide-base tyres with aluminium wheels increase the payload while reducing rolling resistance. The two-stage water pump¹, the optimised compressed-air control system on the 4 x 2 semitrailer tractors with air suspension and the optional A-pillar trim also contribute to fuel economy. The Actros Low-Liner ensures the best possible payload: capacity ratio in international long-distance operations.

¹ In conjunction with V6 engines

Economical and included as standard: Mercedes PowerShift 2 – thanks to specifically selectable programs such as EcoRoll mode, the driver benefits from easier handling, improved ride comfort and better performance. For the vehicle operator this means a lower fuel consumption and – depending on the transmission variant – a higher payload.

All Actros trucks come complete with Mercedes-Benz SCR diesel technology and sport BlueTec® lettering. As far as you’re concerned this translates as follows: long maintenance intervals, low fuel consumption and thus Euro 5 compliance.
Take a few moments to have a look under the “bonnet”.
You’ll find it very reassuring

Convincing arguments: durable and economical engines, extremely low particulate and exhaust emissions thanks to BlueTec®, long maintenance intervals and many other technical features that save you cash.

The engines for the Actros set standards where economy is concerned, thanks to their low fuel consumption. The Telligent® engine system ensures the best possible injection strategy, with injection pressures of up to 2200 bar for extremely efficient and clean combustion. BlueTec® reduces exhaust emissions even further. In addition the Actros is equipped with power-saving units such as controlled 1-cylinder air compressors and a two-stage water pump1).

The Telligent® maintenance system allows maintenance intervals of up to 120,000 km and engine oil-change intervals of up to 150,000 km, depending on the application, as it adapts in line with the actual load on the Actros – meaning that all the service products can be used to their full potential.
And you can kill two birds with one stone with the optional Biodiesel package and its combination tank: use the auxiliary heater while running the Actros on subsidised biodiesel fuel.

1) In conjunction with V6 engines

BlueTec® technology is based on engines with a particularly clean, low-particulate combustion process. AdBlue is injected into the stream of hot exhaust gases as they leave the engine. The SCR catalytic converter breaks the nitrogen oxides down into harmless nitrogen and water.
BlueTec®, the SCR diesel technology from Mercedes-Benz, stands for cost-effective compliance with Euro 5, reduced fuel consumption, low particulate emissions, a low level of CO₂ emissions and compliance with the nitrogen dioxide (NO₂) limits which came into force at the beginning of 2010.

For all those for whom Euro 5 is not environmentally friendly enough, the Actros can, as an option, meet the stringent EEV (Enhanced Environmentally Friendly Vehicle) emissions standard, which ensures that the particulate values are approximately 33% lower than with Euro 5. Actros Euro 5 vehicles can be retrofitted to EEV standard.

Roughly one litre of AdBlue is consumed for every 25 l of diesel fuel. The standard AdBlue tank capacity for semitrailer tractors is 85 l, enough for up to 6500 km or the distance from Hamburg to Athens and back. AdBlue is readily available throughout the European Union, and also in many areas outside the EU: www.findadblue.de

Advantages at a glance

- Reliable V6 and V8 engines with increased peak pressures and a low fuel consumption
- Future-proof BlueTec® SCR diesel technology for cost-effective compliance with Euro 5
- Compliance with the ecofriendly EEV emissions standard as an option
- Telligent® engine system, with injection pressures of up to 2200 bar for improved efficiency and clean combustion
- Telligent® maintenance system allows maintenance intervals of up to 120,000 km and engine oil-change intervals of up to 150,000 km
- Biodiesel package with combination tank available as an option

From the V6 with **235 kW** (320 hp) to the most powerful V8 unit with **440 kW** (598 hp): the Euro 5 engines for the Actros already make their maximum torque available in the lower, fuel-efficient engine speed range. Lowering your diesel costs

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2) Actros with engine outputs from **235 to 335 kW** (320 to 456 hp) and standard exhaust silenced
Efficient gearshifts as standard – with Mercedes PowerShift 2

With the Mercedes PowerShift 2 12-speed automatic transmission, the Actros satisfies practically any requirement that drivers and operators might have of a modern transmission for long-distance operations.

The separately selectable programs and specific additional functions of the Mercedes PowerShift 2 automated transmission contribute to improved ride comfort, safety and economy. Manoeuvring mode allows extremely sensitive low-speed manoeuvres, for example, while the EcoRoll mode saves fuel. Mercedes PowerShift 2 is available in conjunction with non-synchronised direct-drive or overdrive transmissions, and optionally also with 16 speeds. This provides scope for the best possible, task-oriented drive configurations – in any output class.

As an alternative to Mercedes PowerShift 2, the well-proven Telligent® gearshift with a choice of four 16-speed synchromesh transmissions with different ratio spreads continues to be available. All drive axles are of extremely robust and reliable construction. The HL 6 hypoid axle is installed in the case of engines up to 350 kW (476 hp), as well as for Low-Liners and low-frame vehicles; the well-proven HL 8 1 is used for the 375 to 440 kW (510 to 598 hp) output range, with the HL 7 planetary axle available as an option.

The steerable and liftable Telligent® trailing axle available as an option for chassis/cabs with air suspension reduces the turning circle, improves steering comfort and helps to reduce fuel consumption as well as brake and tyre wear. A lighter leading axle (Ø 17.5) is available as an option for 6 x 2/2 semitrailer tractors. It weighs 250 kg less than a conventional leading axle (Ø 22.5), thus facilitating a higher payload.

1 Not for low-frame vehicles or Low-Liners

Low costs and high levels of ride comfort included as standard: Mercedes PowerShift 2 – noticeably more dynamism, optimum handling and lower fuel consumption. This is partly achieved by softer gearshifts, a shift strategy optimised with the help of inclination sensors, shorter interruptions in tractive power and reduced pitching and rolling.
Mercedes PowerShift 2 in the Actros helps to ensure greater ride comfort, safety and economy thanks to the five specifically selectable programs power mode, EcoRoll mode, manoeuvring mode, rocking mode and cruise control hysteresis, where the speed range for cruise and braking speed control is wider and freely selectable. In addition, practical supplementary functions such as the ability to shift directly from 1 to R, high-ratio reverse gears and a kickdown function make for improved vehicle handling and more ride comfort. The instrument cluster shows the operating status and the currently active Mercedes PowerShift program in the matrix display.

Advantages at a glance

- Standard-fit Mercedes PowerShift 2 automated transmission with 12 or 16 gears and five specifically selectable programs plus additional functions
- Shift lever on a folding console by the driver’s seat
- The fuel-saving HL 6 hypoid rear axle with single-stage reduction up to 350 kW (476 hp) and for Low-Liners and low-frame vehicles
- The well-proven HL 8 hypoid rear axle for variants from 375 to 440 kW (510 to 598 hp)
- The HL 7 planetary axle with maximum ground clearance is available as an option
- Standard differential lock and ASR for maximum traction
- Liftable and steerable Telligent® trailing axle optionally available for a reduced turning circle
- Leading axle (Ø 17.5) as an option for 6 x 2/2 semitrailer tractors – for more payload

Light and efficient: the single-ratio HL 6 hypoid rear axle is weight-optimised and helps to reduce fuel consumption in the engine variants up to 350 kW (476 hp). The HL 6 axle is also installed in low-frame variants and Low-Liners. With a corresponding final drive ratio, the vehicles can also be equipped with a direct-drive transmission to save even more fuel.
Optional super-wide-base tyres with aluminium wheels increase the payload of the Actros by around 110 kg. Their low rolling resistance also helps to reduce fuel consumption. Super-wide-base tyres are available in conjunction with Telligent® stability control. A low frame means more capacity and more cost-effectiveness – the Low-Liner Actros excels wherever profitability is decided by the volume of cargo carried. In addition to three metres of clear loading height, its fuel-efficient drive system makes it a paying proposition.

The twin-bellows air suspension system is installed in the 4 x 2 and 6 x 2 semitrailer tractors as standard. Chassis/cabs with air suspension feature the 4-bellows system. For even more ride comfort and handling safety, Actros semitrailer tractors and chassis/cabs with full and partial air suspension are optionally available with Telligent® roll control. The Telligent® stability control available as an option for Actros semitrailer tractors is able to prevent hazardous situations such as skidding or jack-knifing, thereby improving safety even further. With the “Standard vehicle level” switch, Actros variants with air suspension can be automatically raised or lowered to the standard level. This saves time and ensures that the job in hand requires less effort.

The frame of the Actros: particularly robust and highly compatible with mounted bodies thanks to cataphoretic dip priming and a 50 mm matrix of pre-drilled holes. Further advantages: a frame end consisting of bolted components which are easy and inexpensive to replace if repairs are needed. Moreover, the headlamps are located above the areas of the front apron that are particularly vulnerable to stone impact.

In Actros models with steel suspension, weight-optimised, corrosion-protected parabolic springs ensure the best possible ride comfort. All Actros variants are also equipped with shock absorbers, as well as front and rear axle stabilisers.

The standard-fit Trailer Integration function on the Actros enables drivers to view information about their load, for example the volume and pressure of the cargo in the case of a tanker or gas transporter. Drivers are also assisted by the integral ramp guidance function and automatic lighting control. All the trailer information can also be accessed using FleetBoard®.
The battery status indicator included as standard allows continuous monitoring of the battery charge and startability, thereby avoiding unforeseen downtimes.

Standard equipment in conjunction with air suspension: Telligent® level control for raising and lowering the frame, enabling semitrailers and demountable systems to be easily and quickly exchanged. The control panel is illuminated, and is therefore easier to see and operate in the dark.

Advantages at a glance

- Robust frame with a 50 mm hole pattern, ideal for mounting bodies
- Integral rear end for optimum use of installation space behind the cab
- Twin-bellows air suspension for improved driving dynamics and safe roll characteristics
- Standard-fit illuminated control panel for Telligent® level control
- "Standard vehicle level" switch for the Actros with air suspension
- Battery status indicator as standard to avoid unforeseen downtimes
- Optional super-wide-base tyres with aluminium wheels for approx. 110 kg less vehicle weight
- Standard-fit Trailer Integration for cargo status checks from the driver’s seat
- Even more safety available on request: Telligent® roll control and Telligent® stability control
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<th>1836</th>
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- Standard
- x Optional
- – Not available
- 1) Low frame height
- 2) No Megaspace cab available
- 3) 6 x 2/2

STT: Semitrailer tractor
The Actros – cab types

L-cab

Exterior width: 2500 mm
Exterior length: 2277 mm
Interior width: 2260 mm
Interior height: 1920 mm

L-cab with Single cab

Exterior width: 2500 mm
Exterior length: 2277 mm
Interior width: 2260 mm
Interior height: 1920 mm

L-cab with a low roof

Exterior width: 2500 mm
Exterior length: 2277 mm
Interior width: 2260 mm
Interior height: 1920 mm

The L-cab is also available with an interior height of 1410 mm for car transporters.
Megaspace

Exterior width: 2500 mm
Exterior length: 2277 mm
Interior width: 2260 mm
Interior height: 1920 mm

Megaspace with 'Single Cab' package

Exterior width: 2500 mm
Exterior length: 2277 mm
Interior width: 2260 mm
Interior height: 1920 mm
A lightweight that works like a heavyweight. The Axor

A high payload, low fuel consumption, exemplary reliability, safety and driver-oriented comfort – which means that the Axor delivers a convincing performance in medium-distance operations. Both on the road and on the balance sheet.

Low weight combined with maximum economy – the Axor\(^1\) delivers outstanding results in weight-sensitive sectors, as a fleet vehicle and in regular or contracted haulage operations. It excels thanks to a low vehicle weight and, for example, its extremely economical and reliable Euro 5 engines with long maintenance intervals. The Mercedes PowerShift automated transmission available as an option and two Economy Packs, also optional, increase cost-effectiveness even further.

The radiator grille lends the Axor a distinctive exterior appearance and is also optionally available in the vehicle colour.

The Axor likewise meets high expectations in terms of equipment, comfort and safety: the interior excels with task-dedicated cockpits, exemplary ease of operation and practical equipment and details – from the standard-specification, graphics-capable instrument cluster with a multifunction steering wheel to the optionally available Safety Pack.

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\(^1\) All the details in this brochure refer to the Axor from 265 kW (360 hp). Information about the Axor up to 240 kW (326 hp) can be found in the brochure "The Atego. The Axor. Short-radius distribution. 6.5 – 26 tonnes"
Yet another reason why so many enjoy this job so much

In order to deliver the goods in medium-distance operations, you need a workplace that makes the job as pleasant as possible. Where you can feel right at home. The cabs for the Axor make sure of both.

Ideal dimensions – with the L-cab and the L-cab with a high roof, the Axor is ideally equipped for medium-distance operations. The L-cab is fitted with the comfortable standard bed. The high-roof variant offers a good amount of headroom, plenty of stowage space and is optionally available with a second, upper comfort bed. To ensure the best possible working conditions, the Axor is available with two cockpit versions. Ergonomically arranged controls, the standard-specification multifunction steering wheel, also optionally available in leather, and a comfortable driver’s seat ensure optimum ride comfort. In short: from the key design to the optionally available coolbox, the Axor is an even more impressive workplace. Because it is tailored to the operational needs of its driver in every respect.

The Axor as a workplace: thanks to its ergonomically arranged controls and a practical stowage concept based on a projecting front bulkhead, the standard-fit Long-distance cockpit of the Axor provides the best possible working conditions for medium-distance operations. Thanks to the projecting shelf beneath the front bulkhead, the optional Comfort cockpit offers even more space. Soft, partially foamed surfaces are particularly pleasant to the touch in this cockpit. As an option, both cockpits are available with a “wood” or “brushed steel” trim.
Have a good working day!

Anybody sitting at the wheel for up to four and a half hours at a stretch deserves a working environment that makes the job as pleasant as possible. To ensure calm, relaxed driving – in any situation.

Easy access – thanks to large, slip-resistant steps and particularly wide-opening doors, access to the workplace is quick and easy. Adjusting the seat, steering wheel and mirrors is also simplicity itself. The good all-round visibility is immediately reassuring, as is the standard air-sprung suspension seat which is fitted as standard. This meets all the requirements for a healthy seating position that helps to maintain driver-fitness safety. The seats feature integrated head restraints¹ and are upholstered in robust flat-weave fabric with the “Brasao” design. A comfort suspension seat or ventilated comfort air-sprung suspension seat for both the driver and co-driver is available as an option. A centre seat is also optionally available. Optimum lighting is assured thanks to a range of interior lighting systems – including lighting for the work area with a reading light and, in the L-cab with a high roof, green night lighting. The Mercedes-Benz truck navigation system with dynamic route guidance designed specifically for trucks is available as special equipment.

¹ Not in conjunction with the centre seat and folding fixed co-driver’s seat

Standard equipment for the Axor includes a multifunction steering wheel that is adjustable for height and reach, including buttons for controlling the driver information system, radio and telephone, for example. The multifunction steering wheel is also optionally available in high-grade leather

The instrument cluster trimmed with chrome surrounds and featuring optimised menus includes a graphics-capable display, which indicates important information about the vehicle’s operating status, for example. If a manual gearshift is specified, a variable, green rev counter range is integrated as standard to help reduce diesel consumption

The standard-specification cruise and braking speed control makes the driver’s job easier: it combines the “Accelerate” and “Brake” functions in a single functional unit

Have a good working day!
The Axor | Cab

For all those items that must always be ready to hand – the open stowage compartment in the doors also has space for a 1.5-litre bottle. So a drink is always within easy reach and remains fresh for longer, as it is protected against direct sunshine.

The switch console on the door has the switches for the power windows, mirror adjustment, mirror heating and central locking system. The variably adjustable ball-type air vent increases safety and comfort, for example by preventing the side window from misting up.

The comfort suspension seat optionally available for the driver and co-driver improves seating comfort and promotes relaxed, safe driving. Only the optional ventilated comfort air-sprung suspension seat, which conducts heat away from the seat surfaces, offers more comfort than this.

Advantages at a glance

- Two different cockpit variants for different operating profiles
- Graphics-capable instrument cluster with variable, green rev counter range
- Multifunction steering wheel adjustable for height and reach for optimum ride comfort and ease of operation, also optionally available in leather
- Optional comfort suspension seat or ventilated comfort air-sprung suspension seat for the driver and co-driver
- Cruise and braking speed control as standard
- Variably adjustable ball-type air vent to keep the side windows clear
- Illuminated door switch console for power windows, mirror adjustment, manual mirror heating and central locking system
- Different interior lighting variants
Just looking at it makes you feel good

Living comfort is made up of several factors. In the Axor, comfortable beds and generous, driver-oriented stowage facilities help to make sure that you feel at home while on the road – and that you can relax in comfort after a hard day’s work as well.

The cabs for the Axor are not just a winning proposition during the working day, they also offer outstanding comfort on jobs extending over more than one day. With beds that actually deserve the name, and with stowage facilities that also provide enough space for two people in the L-cab with a high roof – for example with large, practical stowage areas above the windscreen and beneath the standard bed. Other comfort-enhancing features include an optional refrigerator beneath the standard bed, air conditioning and a hot-air auxiliary heating system. For even more convenience, the auxiliary heater, interior lighting and an optional alarm clock can also be operated using a switch console by the beds. As can the plastic pop-up roof specified as standard for the high-roof variant, which is also optionally available in glass. Special equipment available ex factory includes robust rep and rubber floor mats that fit the cab perfectly.
The Axor is equipped with an efficient heating and ventilation system as standard. This is air-controlled, and quickly provides cosy warmth even if the engine coolant has not yet reached its normal operating temperature. An optional air conditioning system improves the level of comfort even further. Also available as an option: particularly quiet hot-air auxiliary heating with two air vents for optimal warm air distribution.

- Comfortable standard bed with one-piece spring-core mattress as standard
- Optional upper comfort bed with individually adjustable slatted frame available for the L-cab with a high roof
- Efficient heating and ventilation system as standard
- Optional air conditioning and auxiliary heating with two air vents for optimum warm air distribution
- Practical stowage facilities, e.g. three large stowage compartments with a capacity of around 300 litres beneath the standard bed
- Optional rep and rubber floor mats available ex factory

The standardised DIN recesses above the windscreen provide space for everything that is needed in a truck nowadays – from the optional radios with an integral Bluetooth hands-free system to a CD player.

In the L-cab with a high roof, the stowage space above the windscreen is extended to include a generous stowage compartment with a hinged cover and an open compartment.
If only saving money were always that easy

Whatever you need to transport in medium-distance operations, the Axor offers the best conditions for doing it very cost-effectively: with reliable technology geared to the task in hand, with a high payload, low fuel consumption and the accumulated experience of Mercedes-Benz.

Lightweight, reliable and economical – attributes that make the Axor excel in day-to-day operations. Based on its weight-optimised frame and low vehicle weight, durable, fuel-efficient 6-cylinder in-line engines that meet the Euro 5 emissions standard cost-effectively, and maintenance intervals of up to 120,000 km<sup>1)</sup>. But that is by no means all that helps to keep costs down. The Axor is also optionally available with Mercedes PowerShift, the automated transmission whose characteristics support everything the Axor stands for: optimum handling, dynamic performance, low fuel consumption and of course a high payload. In short, the Axor possesses all the key attributes that make for cost-effective medium-distance operations.

<sup>1</sup> In conjunction with Telligent<sup>®</sup> maintenance system

Combines maximum load-carrying capacity with minimal vehicle weight for operations in sectors where payload is a prime consideration: depending on the variant and type of operation, the frame of the Axor is available with a side member thickness of 8.0 or 9.5 mm. The 50-mm hole matrix ensures excellent suitability for mounted bodies, while cataphoretic dip priming provides the best possible corrosion protection.
Up to 315 kW (428 hp) – the Axor has what it takes for any job

Cost-effective compliance with Euro 5 in medium-distance operations: durable and powerful 6-cylinder in-line engines in three output classes – with low fuel consumption, low exhaust emissions and gratifyingly long maintenance intervals.

The BlueTec® six-cylinder in-line engines for the Axor prove their worth day after day, by virtue of their robust, reliable and fuel-efficient construction, for example. Different transmission and axle combinations also ensure an efficient, fuel-saving power transfer. A key contribution is also made by the Telligent® engine system, as it allows a particularly efficient combustion process. This reduces both fuel consumption and exhaust emissions, and ensures a muscular performance that impresses even the most experienced drivers.

The standard maintenance intervals are 100,000 km. The Telligent® maintenance system is available as an option, allowing intervals of up to 120,000 km. In this case it is no longer the odometer that decides when the engine oil and other operating fluids are due to be changed, but the actual wear and tear on the vehicle. This avoids unnecessary downtimes and further contributes to operating economy in medium-distance transport operations.

Whether they have a displacement of 6 l, 7 l or 12 l – the 6-cylinder in-line engines for the Axor excel with a high level of reliability and low fuel consumption. This is because all of them already make their maximum torque available in the most fuel-efficient engine speed range. This means that peak power is generated where it is needed most – on gradients, during acceleration and when overtaking.
BlueTec® – safe, clean and economical: extremely low particulate emissions, low fuel consumption and therefore a low level of CO₂ emissions, as well as compliance with the nitrogen dioxide (NO₂) limit which came into force in 2010, are among the major advantages of environmentally friendly BlueTec® technology.

For all those for whom Euro 5 is not enough, the Axor also comes with the option of engines that meet the strict EEV (Enhanced Environmentally Friendly Vehicle) emissions standard. Other benefits include the probability of a high resale value at the end of the vehicle’s period of use, and the assurance that your journeys are cost-effective.

All the BlueTec® 5 in-line engines for the Axor already make their maximum torque available in the lower, fuel-efficient engine speed range. Another advantage of this concept becomes evident on uphill gradients: as the engine speed falls, exactly the reverse happens with the torque – it increases. Power that impresses even the most experienced trucker.


Advantages at a glance

- Powerful, reliable and fuel-efficient 6-cylinder in-line engines with high torque at low engine speeds
- BlueTec® SCR diesel technology for economical compliance with Euro 5
- Compliance with the stringent EEV emissions standard as an option
- Telligent® engine system for a particularly efficient combustion process and low exhaust emissions
- Maintenance intervals of up to 120,000 km as an option
Gearshifts for any requirement, for ride comfort, safety and economy. Plus transmissions and axles for any operating profile and topography, with low consumption as standard.

The 9-speed direct-drive transmissions allow smooth gearshifts and excel with special ratio spreads and perfect torque transfer.

The Axor is also optionally available with the Telligent® gearshift and different 16-speed transmissions, which impress not only with their high performance on gradients and low manoeuvring speeds, but also with their low noise, long operating life and outstanding power-to-weight ratio.

Mercedes PowerShift: this optional 12-speed automated transmission available from 265 kW (360 hp) allows faster gearshifts than the Telligent® gearshift system.

A choice of different modes also helps to enhance safety, cost-effectiveness and comfort.

In manoeuvring mode, for example, slow-speed manoeuvring is even more precise and sensitive in the Axor, which means less risk of damage to the vehicle, trailer or semitrailer. It is also possible to shift directly from 1 to R, which saves time and effort. And the integral kick-down function enables more power to be summoned when it is needed – such as when joining a stream of motorway traffic, overtaking or on uphill gradients.

As another advantage, Mercedes PowerShift increases the payload of the Axor by up to 50 kg versus the previous synchronised transmissions.

Available as an ex-factory option, the leading axle (Ø 17.5) for 6 x 2 Axor semitrailer tractors weighs around 250 kg less than a conventional leading axle (Ø 22.5), thus increasing payload and reducing fuel consumption.

The optionally available steerable and liftable Telligent® trailing axle for 6 x 2 chassis/cabs reduces the turning circle by up to 2 m. In short, it enhances steering comfort, manoeuvrability and in its raised position contributes to reduced fuel consumption and tyre wear.
Fewer gear wheels, lower friction losses and reduced fuel consumption – with the HL 6 single-ratio hypoid rear axle and the 16-speed direct-ratio transmission, the Axor achieves a particularly low fuel consumption in the 80 – 85 km/h speed range thanks to the 1:1 ratio of the highest gear. In conjunction with the robust HL 7 planetary axle, the Axor from 265 kW (360 hp) is also optionally available with a mechanical/pneumatically operated 16-speed overdrive transmission.

More ride comfort at the touch of a button: the Mercedes PowerShift automated transmission, available as an option, ensures better vehicle handling thanks to its directly selectable manoeuvring mode and the integral kick-down function, thus also enhancing safety and cost-effectiveness.

From manual to automatic – the Axor is equipped with a 9-speed manual transmission as standard. Telligent® gearshift and the Mercedes PowerShift automated transmission are available for even more ride comfort.

Advantages at a glance

- Smooth 9-speed direct-drive transmission with optimal torque transfer as standard
- Optional Mercedes PowerShift 12-speed automated transmission or Telligent® gearshift with a choice of 16-speed transmissions
- Fuel-saving, single-ratio HL 6 hypoid rear axle as standard
- Optional HL 7 planetary axle in conjunction with 16-speed overdrive transmission
- Liftable and steerable Telligent® trailing axle optionally available for a reduced turning circle
- Optional for 6 x 2 semitrailer tractors: leading axle (Ø 17.5) for approx. 250 kg less weight
Less weight, better ideas

Light in weight yet robust – thanks to an uncompromising reduction in vehicle weight, the Axor offers particularly important advantages in sectors where payload is the prime consideration. Without any penalties in terms of safety or ride comfort.

A low vehicle weight, maximum robustness and optimum driving characteristics: in the Axor these come courtesy of the weight-optimised, torsionally rigid yet extremely robust parallel frame, for example. Stabilisers and twin-bellows air suspension increase the payload, as they enable various components to be dispensed with. If an even higher payload is required, you can reduce the weight of the Axor even further by opting for special equipment, for example aluminium compressed-air tanks, a compact fifth-wheel coupling or light-alloy wheels, which are available ex factory and also look good into the bargain.

Telligent® level control ensures rapid raising and lowering of the frame when exchanging demountable bodies, semitrailers and at loading ramps. The optional Telligent® roll control for chassis/cabs with full air suspension uses constant electronic control of the shock absorbers to adapt the damping characteristics to the current driving situation, the vehicle load and the condition of the road surface. This improves safety, comfort and load cushioning during transit.

Another comfort-enhancing extra available for all cabs are the optional steel-sprung Comfort cab mountings. With additional longitudinal mountings and rubber bearings they are even more effective in dampening vibrations caused by uneven road surfaces, in turn relieving driver stress. The L-cabs are also optionally available with air-sprung Comfort cab mountings.
Thanks to the inclusion of Telligent® level control as standard, the frame of the Axor with air suspension can, for example, be raised by up to 170 mm or lowered by up to 90 mm to suit loading ramps or when hitching/unhitching a semitrailer. Moreover, the air pressure in the spring bellows is automatically adapted to the vehicle load, so that the frame height remains constant even as the load increases.

Whether steel-sprung or air-sprung, the Comfort cab mountings available as an option enhance ride comfort. By way of example: featuring additional longitudinal mountings and rubber bearings, they dampen impacts and vehicle vibrations caused by uneven road surfaces particularly effectively.

The bodybuilder interface allows bodybuilders easy, uncomplicated and therefore cost-saving access to electrical systems, for easier "communication" between the vehicle and body during operations.

Advantages at a glance

- Weight-optimised frame with a 50 mm hole pattern, ideal for mounting bodies
- Optional weight-reducing components include a lightweight fifth-wheel coupling, aluminium fuel and compressed-air tanks and light-alloy wheels
- Air-sprung semitrailer tractors have a twin-bellows air suspension as standard for a higher payload and safe roll-resistance
- Telligent® level control as standard for rapid raising and lowering of the air-sprung Axor
- Steel-sprung or air-sprung Comfort cab mountings available as an option
- Optional Telligent® roll control for more safety and ride comfort
- Bodybuilder interface for low-cost bodies and easy "communication" between the vehicle and body
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</table>

- Standard
- x Optional
- Not available
\(^{1)} 6 \times 2/2
The Axor – cab types

L-cab
with one bed

Exterior width: 2490 mm
Exterior length: 2250 mm
Interior width: 2000 mm
Interior height: 1510 mm

L-cab
with high roof and two beds

Exterior width: 2490 mm
Exterior length: 2250 mm
Interior width: 2000 mm
Interior height: 1910 mm

1) Information on the S-cab and the S-cab with an extended rear panel can be found in the brochure "The Atego. The Axor. Short-radius distribution. 6.5 – 26 tonnes"
More innovations, more safety, fewer accidents

We are constantly striving to further enhance the safety of our trucks. The latest, most innovative example of this is Active Brake Assist 2. This revolutionary safety system can also react to stationary obstacles.

Exemplary safety: first and foremost on account of our desire to actively prevent accidents by introducing innovative technical solutions: firstly Mercedes-Benz Active Brake Assist 2; secondly because the cabs meet the European ECE-R 29 standard; thirdly owing to good all-round visibility; and fourthly thanks to non-splintering, flame-retardant materials. Protection from dazzling sunshine is provided by roller blinds for the windscreen, the driver’s side window and, optionally, the co-driver’s side window. A driver’s airbag in conjunction with a belt tensioner is also available as an option. To our mind, safety also includes protecting the vehicle and driver from uninvited guests – which is why an extended central locking system is available that locks the doors at the touch of a button, and also automatically closes any open windows and the roof hatch.

What else? Various dynamic control and driver assistance systems, which significantly help to ensure that the driver, vehicle and cargo are even more safe when they’re out on the road.

Unique and only from Mercedes-Benz: Active Brake Assist 2 offers an even higher level of safety as, compared to the previous Active Brake Assist system, it reacts to detected stationary obstacles such as the ends of traffic jams. Vehicles crossing in front can also be detected. If the worst comes to the worst, the system warns the driver with an audible tone and, if necessary, can initiate partial braking. The driver therefore has valuable time to manoeuvre or perform an emergency stop if required. Active Brake Assist 2 is available as an option in conjunction with Telligent® proximity control. For more safety. And fewer accidents.
You can never have too many safety systems

Safety is relative, but minimisation of risks is not. That is why the Actros and the Axor are equipped with exemplary safety features as standard. A number of optional dynamic control and driver assistance systems are also optionally available. For even less risk, and more safety.

The Telligent® braking system ensures that braking distances are short – with ABS, ASR, a continuous 10-bar brake pressure and internally ventilated disc brakes that lose none of their effectiveness under prolonged use. The integral Brake Assist can respond instantly in hazardous situations, and immediately makes the full braking effect available. Except during full brake applications, the non-wearing brakes are also included in every braking manoeuvre. And the integral hill holder prevents the vehicle from rolling forwards or backwards when moving off. The Telligent® braking system is standard equipment in the Actros, and is available as an option for the Axor. The Axor can also be optionally equipped with a turbobrake, a non-wearing brake that generates up to 450 kW of braking energy for more safety in hilly areas.

The optional Telligent® stability control1) can recognise a risk of instability, such as a skid or the tail breaking out, and intervenes to counteract these forces within the physical limits. By adjusting the engine torque as required, applying the brakes individually at the tractor vehicle’s wheels and activating the trailer’s braking system, it can prevent a potentially dangerous situation from actually developing, giving a further boost to safety.

There are also various Safety Packs available as an option for the Actros and the Axor: ex factory and at a particularly favourable package price.

1) Only available for semitrailer tractors

A bi-xenon version of the clear-lens Actros headlamps is also available as an option. With a range of 65 metres using low-beam headlamps and a range of 180 m using the main beam, these headlamps provide very good visibility in the darkness, similar to daylight conditions, which in turn means better safety. Fog lamps for the front apron are also available as an option.
The Telligent® proximity control optionally available in conjunction with a retarder allows more relaxed and safer driving. Because the speed and gap maintained by the Actros or Axor ² are automatically adjusted by the cruise and braking speed control as the traffic situation changes.

The cruise and braking speed control included as standard accelerates the vehicle to the set speed on uphill gradients – and if necessary it brakes the truck to the speed you have preset when going downhill.

The optionally available Telligent® Lane Assistant can warn the driver if the vehicle is about to leave its lane unintentionally. To this end it continuously monitors the distance between the vehicle and the lane markings. It warns the driver with an acoustic signal from the radio loudspeakers.

Advantages at a glance

- Interior with non-splintering, flame-retardant materials
- Optional airbag in conjunction with a belt tensioner
- Telligent® braking system for short stopping distances – with ABS, ASR, Brake Assist and hill holder
- Dynamic control and driver assistance systems for more ride comfort and safety:
  - safety innovation Active Brake Assist 2
  - Telligent® stability control
  - Telligent® proximity control
  - Telligent® Lane Assistant
- Safety Packs

² From 265 kW (360 hp)
Developed, built and tested for day-to-day operations – to make sure that our trucks are able to deliver what is needed on the job, they are subjected to a range of stringent tests each year. On the gruelling gradients of the Sierra Nevada in Spain, on the icy roads of Rovaniemi in Finland and during countless individual checks on test stations and, for example, in customer trials. Every single improvement or further development has to show that it has the absolute maturity to enter series production, and will perform as intended in practice; among them are the Mercedes PowerShift automated transmission, which contributes to greater fuel economy and cost-effectiveness, and BlueTec® technology which ensures particularly low exhaust and particulate emissions, thereby improving the environmental compatibility of the Actros and the Axor.

Fine-tuning that really pays off: carefully coordinated aerodynamics not only contribute decisively to fuel economy; they also reduce the wind noise caused by aerodynamic drag while helping to keep the doors and side windows free from dirt.

Quality only has one yardstick: day-to-day operations

From the design stage to final inspection, everything we do serves a single purpose: to prepare our trucks for their daily work as well as possible.
High test requirements – high quality

Long-distance transport is a tough environment. So our test programme is just as tough, because only a truck that has been optimally prepared for the rigours of day-to-day operation from tip to toe can do what we expect of it – and what you expect of it, too.

Far tougher than normal – summer trials in the Sierra Nevada mountains: 10 hours or more at a stretch is what our trucks have to endure in the Spanish heat before a test day is over. But that is actually when the real work begins, as the measuring results are evaluated. Only in this way is it possible to identify weaknesses and rigorously eliminate them. Usually far colder than normal – winter trials in Finland: the extremely cold climate, with temperatures as low as 40°C below freezing, provides the ideal conditions for testing the reliability and day-to-day suitability of a truck. These trials quickly reveal whether, for instance, the materials used for flexible mountings, air suspension components or seals are also able to withstand the most extreme climatic conditions. It’s true to say that the hard winters in Finland are partly responsible for the effectiveness of the heating systems in our trucks.

More rigorous than usual: customer trials constitute one of the most important tests. After all, nothing exposes weaknesses quite as mercilessly as testing in everyday conditions. Constant technical monitoring of the vehicles and in-depth surveys carried out among the drivers and operators give us ample opportunity to take any necessary corrective measures and blend “everyday reality” into the truck’s construction before it goes into production. Any weak points can be eliminated and suggestions incorporated. The end result is a long-distance truck that is capable of everything we expect of it – and, of course, of everything you expect of it, too.
On the servo-hydraulic test station, uneven road surfaces encountered when driving on motorways, on country roads or over speed bumps are simulated with outstanding reproducibility. The aim of the tests is to improve the vibration characteristics of axles, frames and detachable parts, thus reducing the dynamics of the components, increasing ride comfort and promoting smooth transport of the cargo.

The engines for our vehicles are required to pass test station endurance trials that equate to over 3.6 million kilometres. Because only an engine that is able to operate reliably for this long is optimally prepared for the real world.

The propshaft test station further demonstrates the stresses to which the drive system is subjected before it is allowed to enter service. Test station trials with up to 58 different combinations of engine speeds, torques and bending angles reflect the usage profile and can thus stress the propshafts to the utmost. To make sure that even the slightest damage and cracking is revealed, the shafts and joints are subsequently subjected to component analysis in the laboratory. This is the only way to be sure that they have passed the endurance test in all respects, and that they are able to meet the demanding requirements of long-distance transport.

Advantages at a glance

- Continuous further development of all vehicle components
- Regular quality tests on test stations and in practical trials
- Reliable and durable engines
- Optimised aerodynamics and aeroacoustics
- Extremely robust components with optimum corrosion protection
- Comfortable, ergonomically designed cabs
- Cost-effective vehicle operation
Our action plan for more cost-effectiveness in long-distance transport: the Actros and the Axor

The primary purpose of trucks is to earn money. And not at the expense of the driver, but with low fuel consumption, a high payload and maximum vehicle availability.

Lower costs per kilometre – with the job-matched drive system configurations for the Actros and the Axor this is a fight you can win hands down. The trusty Euro 5 engines and the BlueTec® SCR diesel technology keep consumption low, and you can also reduce costs by opting for the Economy Packs.

Standard for the Actros and optional for the Axor, the Mercedes PowerShift 2 automated transmission also improves cost-effectiveness.

Potential savings can be realised with favourably priced service contracts or services such as FleetBoard® and the Mercedes-Benz Eco Driver Training. But whether you’re looking at aerodynamics, engine technology, payload or maintenance and services – our action plan is continuously updated: for more cost-effectiveness in long-distance transport.

Less resistance – including air resistance: at the typical cruising speed of 80 – 85 km/h in long-distance transport, the proportion of overall fuel consumption accounted for by air resistance is around 50%. Accordingly the Actros and the Axor have outstanding aerodynamic features that have been carefully designed down to the last detail: from the front apron to the side-mounted air deflectors and cab side deflectors – everything contributes to noticeably reduced fuel consumption. For mile after mile.

Practical and easy to repair: the headlamps can simply be swung open for rapid bulb replacement. And in the Actros the lens can be separately replaced in the event of damage, which means less expensive repairs.
The Telligent® maintenance system makes maintenance intervals of up to 120,000 km possible for the Actros. This increases vehicle availability and lowers costs. The maintenance intervals for the Axor are 100,000 km, and up to 120,000 km with the optionally available Telligent® maintenance system.

The tyres on the Actros and Axor excel with a high mileage, long-distance treads and low fuel consumption. The Actros is optionally available with super-wide-base tyres and aluminium wheels. This can contribute to further fuel economy, while also saving around 110 kg of weight.

The Actros and the Axor owe their high payload to their uncompromisingly weight-optimised construction. In addition to features such as super-wide-base tyres for the Actros, the Turbobrake for the Axor and Mercedes PowerShift, ex-factory options including lightweight fifth-wheel couplings, light-alloy wheels and aluminium fuel and compressed-air tanks reduce weight even further.

Advantages at a glance

- Job-matched, economical drive system configurations
- Fuel-efficient Euro 5 engines
- High resale value; BlueTec® technology also allows operation in low emission zones
- Fuel-saving units, for example controlled air compressors, optimised compressed-air systems and the two-stage water pump
- Mercedes PowerShift automated transmission for a reduced vehicle weight and low fuel consumption
- Fuel-saving aerodynamics, optional Economy Packs
- Fuel-efficient tyres with a high mileage as standard
- Increased payload, e.g. thanks to optional super-wide-base tyres, Turbobrake, lightweight components
- Long maintenance intervals and high vehicle availability
Building trucks does not mean having only trucks in mind

Low fuel consumption and low exhaust emissions are not only the result of innovative, advanced technology. They are also the result of an attitude that is gradually translating our commitment to more environmental protection into reality in both our products and in production.

BlueTec® makes the Actros and the Axor exceptionally cost-effective on the road. They impress with their low fuel consumption and, therefore, low CO₂ emissions. And to ensure that this also remains the case in the future, we are already working on solutions for the powertrain and for lower rolling resistance and wind resistance in order to further enhance efficiency.

But it is not only environmentally friendly powertrain systems that are important to us. The development of future-oriented trucks begins with the selection of suitable materials and continues with recycling-friendly design and production methods that conserve resources. In addition, BlueTecEco and the continuous further development of our driver assistance systems, the use of FleetBoard® and the Mercedes-Benz DriverTraining actively contribute to environmental protection. Because building trucks does not mean having only trucks in mind.

Mercedes-Benz Trucks has devised BlueTecEco – a package consisting of all the measures which make a significant contribution towards making transport more cost-effective and environmentally compatible. In short: BlueTecEco stands for efficient, fuel-saving vehicle technology and an extensive programme of advice, training and seminars.

In the case of the Actros and the Axor, particular attention was paid to the reusability of the materials employed and a recycling-compatible design right from the start. As a result, around 85% of all the materials in the Actros and the Axor can be reused when the vehicle has reached the end of its operating life.
Environmental protection is a matter close to our hearts. Accordingly the measures taken for the environmentally compatible production of our trucks encompass the entire production process: saving primary energy and reducing CO₂ emissions by heat recovery plays a major part in this, as does the use of water-soluble paints which significantly contributes to the reduction in solvent emissions. Other examples include the reduction of waste water, the avoidance of waste and uncompromising recycling, which all contribute to a positive LCA – now and in the future.

BlueTec® technology provides further proof that environmental compatibility and cost-effectiveness are not mutually exclusive: a low level of CO₂ emissions, particularly low particulate emissions and lower fuel consumption impressively demonstrate this.

Environment-oriented research – in addition to the development of alternative drive systems for the future, our driver assistance systems and FleetBoard® are being continuously improved – for here, too, the potentials for greater fuel economy and lower emissions have not yet been fully realised.

The Wörth plant, where the Actros and the Axor are produced, operates an environmental management system which is regularly inspected by independent environmental auditors and exceeds all of the requirements set out in the EMAS and ISO 14001 environment standards.

Advantages at a glance

- Environmentally conscious research and development
- Conservation of resources through environmentally compatible production
- BlueTecEco for more cost-effective and environmentally-compatible transport
- Advanced engine technology for low fuel consumption and low exhaust emissions
- Future-oriented powertrain systems and alternative fuels for more environmental compatibility
- Recycling-compatible design: up to 85% reusability
- Environmental management system at the Wörth plant
- Compliance with environmental standards EMAS and ISO 14001
It’s not just the trucks that make all the difference

To make sure that you are well prepared for the demands of long-distance transport:

a Europe-wide service network and a comprehensive range of services will keep your wheels rolling day after day.

We are at your service: Europe-wide, with as many services as you want to use and always with precisely the service you require at any particular time. To this end you have over 1750 service outlets at your disposal in Europe – many of them open until 10 p.m. or midnight and some of them even open around the clock. In an emergency you can count on Mercedes-Benz Service24h, and for cashless settlement we will be pleased to provide you with the MercedesServiceCard. Mercedes-Benz Financial Services and Mercedes-Benz CharterWay are available to answer any questions you may have relating to leasing, financing and insurance. And FleetBoard® is another means of achieving greater cost transparency and flexibility. Not forgetting the thousands of Mercedes-Benz employees who are happy to be of service, of course.
Workshop service – we take this to mean, for example, extended opening hours, short repair times and efficient parts logistics. In other words, if your truck needs to visit one of our service outlets, it will only be there for as long as absolutely necessary. Our highly trained personnel will make sure of that, as will no less than thirteen European parts centres.

Breakdown service – whatever the time of day or night, a phone call to Mercedes-Benz Service24h is enough to summon immediate assistance. With a selection of key parts and the STAR diagnostic unit on board, our technicians are able to remedy around 80% of all breakdowns there and then.

In an emergency Mercedes-Benz Service24h is at your disposal around the clock via the freephone number 00800 5 777 7777 (1) in most European countries.

As a specialist for leasing, financing and insurance matters, Mercedes-Benz Financial Services is able to offer you specifically tailored products on attractive terms. Please contact your Mercedes-Benz dealer for more information.

1) The cost of mobile calls varies depending on the service provider

Long workshop opening hours: there are over 1750 Mercedes-Benz workshops throughout Europe, with some 400 of them staying open until 10 p.m. More and more are open until midnight, and some are even open around the clock. This means that even major repairs can be carried out within a single working day. To make sure that your truck is back on the road as soon as possible
Mercedes-Benz DriverTraining shows you how to utilise the potential of the Actros and the Axor to the full. Eco Driver Training is concerned with a style of driving that can save up to 10% of fuel. And driver safety training teaches you how to master critical driving situations with confidence.

Advantages at a glance

- Extensive workshop network with over 1750 service outlets throughout Europe
- Long workshop opening hours, with some open until 10 p.m. or midnight and some even open around the clock
- High level of parts availability thanks to thirteen European parts centres
- In an emergency Mercedes-Benz Service24h is at your disposal around the clock via the freephone number 00800 5 777 77771) in most European countries
- FleetBoard® – internet-based fleet and transport management
- MercedesServiceCard for Europe-wide, cashless settlement of vehicle-related services
- Mercedes-Benz CharterWay for more cost transparency in your fleet
- Mercedes-Benz Financial Services for individual leasing, financing and insurance solutions
- Mercedes-Benz DriverTraining for safer and more economical driving

FleetBoard® stands for greater cost-effectiveness thanks to innovative fleet management. This is because FleetBoard® allows a continuous exchange of information between the driver, vehicle and fleet headquarters. This means that assignments are better coordinated and capacities utilised more efficiently. It is also possible to calculate the time left until the next service is due. And the operating analysis promotes a driving style that reduces both fuel consumption and wear and tear. For more flexibility and lower costs: www.fleetboard.com

Mercedes-Benz CharterWay offers you tailor-made service solutions. The major advantage here is that you know in advance how much your vehicle costs per operating kilometre. Find out more about service contracts, CharterWay Service Leasing and CharterWay Rental at www.charterway.com

Welcomed with open arms everywhere – the MercedesServiceCard is accepted throughout Europe: for rapid assistance in an emergency and if requested also for refuelling and payment of all road and tunnel tolls

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All those who are already completely satisfied should simply look away now

For all the others: the range of genuine Mercedes-Benz accessories for the Actros and the Axor includes everything a vehicle operator needs. And everything drivers might wish for.

Striking, comfortable, practical and safe – the range of accessories for the Actros and the Axor leaves practically no wish unanswered. Examples include the Chrome package for the Actros, whose outstanding design comes to the fore even more thanks to the gleaming contours. And of course items such as the bed set, the humble yet extremely useful water canister or perhaps the reversing camera. Our extensive range of genuine accessories has many more practical, useful and attractive items with which you can equip the Actros or the Axor exactly according to your own, individual preferences. The full range is shown in the current accessories brochure, and your Mercedes-Benz dealer will be pleased to advise you. Enjoy making your choice.
We have developed the range of Mercedes-Benz accessories for the Actros and the Axor so that you feel really comfortable and at ease in your workplace. The items provide both visual and technical highlights, and give your vehicle that very personal touch. After all, why shouldn't you feel at home even when you're on the road? Small but all the more useful – the removable mobile ashtray made of polyamide is simply inserted into the drinks holder on the driver's or co-driver's side. This puts it within easy reach, and thanks to a hinged lid it is also easy to close.

More information about the accessories for the Actros and the Axor is available on the internet, in the current accessories brochure and from your Mercedes-Benz dealer.

A cockpit with “brushed aluminium” trim lends a bright, modern atmosphere to the interior of the Actros. The aluminium look is also available for the centre air vents. And an easy-grip aluminium/leather steering wheel provides a sporty, elegant highlight while accentuating the individual character of the Actros cab.

The reversing camera is activated by engaging reverse gear, makes the area behind the vehicle visible and therefore improves safety and accident protection, for example during slow-speed manoeuvres. The camera features a temperature sensor which activates the integral heating at temperatures below 10 °C – which allows the camera to be used all year round. Distortion-free, low-reflection images on the display increase safety even further.
The portable navigation device simply gets you to your destination quicker, as the route guidance with a TMC function takes account of individually input vehicle data such as height, width, trailer details and hazardous goods categories. So you can always be sure that your truck takes the right route.

The subwoofer ensures a superior sound experience. It is installed in the stowage compartment behind the driver’s seat, and operated by a remote control located to the left of the seat. To avoid damage the subwoofer should only be installed using the supplied installation kit.

The bed set – the pillow and duvet are particularly easy to clean and soft to the touch. The sheets included in the set are extremely comfortable and washable up to 60°.

This electronic lubrication system makes manual lubrication of low-maintenance fifth-wheel couplings unnecessary for up to 300,000 km or 3 years. The system can be quickly and easily retrofitted to all low-maintenance fifth-wheel couplings.

Advantages at a glance

- Cockpit with “brushed aluminium” trim for a bright, modern atmosphere
- Reversing camera for more safety and improved accident protection
- Portable navigation device with route guidance designed specifically for trucks, and TMC function
- Lubetronic – electronic lubrication system for low-maintenance fifth-wheel couplings
- Comfortable, easy-to-clean bed set for a good night’s sleep
- Actros Chrome package for a gleaming, individual look
- Subwoofer for a superior sound experience
- Slip-resistant stainless-steel steps
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