



Mercedes-Benz

The Mercedes-Benz Econic

Drive the solution to tomorrow's challenges today

After more than ten years of continuous development, the Econic offers a solution for just about any transport requirement in the fields of municipal, collection and distribution services. The excellent ergonomics and efficiency of the Econic make it the convincing choice on every count.

This unique vehicle concept is the result of an equally innovative manufacturing concept: the engineering expertise of Mercedes-Benz, which has been proven in the millions of vehicles produced in the company's volume manufacturing sector, provides the basis, while tailor-made solutions give the Econic the specialist attributes – both inside and out – which allow it to be used universally. Of course, the needs of the users are only one of the factors which we have addressed in the course of the development of the Econic; the environment has also been one of the principal considerations. As a consequence, the Econic already complies with tomorrow's Euro emissions standard.

Eco-friendliness which also makes excellent economic sense: the extremely quiet gas-driven Econic in particular effectively demonstrates how economical environmental protection can be. In fact, as well as dealing with the challenges of everyday work, the Econic ensures that you are well prepared for the demands of the future too.



The Vehicle Concept

- Ergonomic low-entry cab
- Low-floor frame with good body-mounting ability
- Various, customer-specific chassis variants
- Electro-hydraulically steered forward-trailing/trailing axle
- Raising/lowering system
- Adaptive all-round air suspension



Cost-effectiveness and Environmental Compatibility

- Economical BlueTec engines
- Environment-friendly natural-gas engine
- CO₂-neutral when running on biogas
- Fuel-saving automatic transmission
- Low-wear brake system
- High-stability suspension

Safety

- Panoramic cab windows
- Mirror array extends field of vision
- Inward-opening co-driver door
- Cab complies with ECE R29/2 crash safety requirements

Applications

- Two cab variants
- Very wide range of chassis variants (e. g. semi-trailer truck)
- Can be equipped with bodies to customers' specifications
- Load-bearing rear axle
- Powerful engines
- Vehicle solutions to meet customers' specifications

We've done our level best
to make your job easier



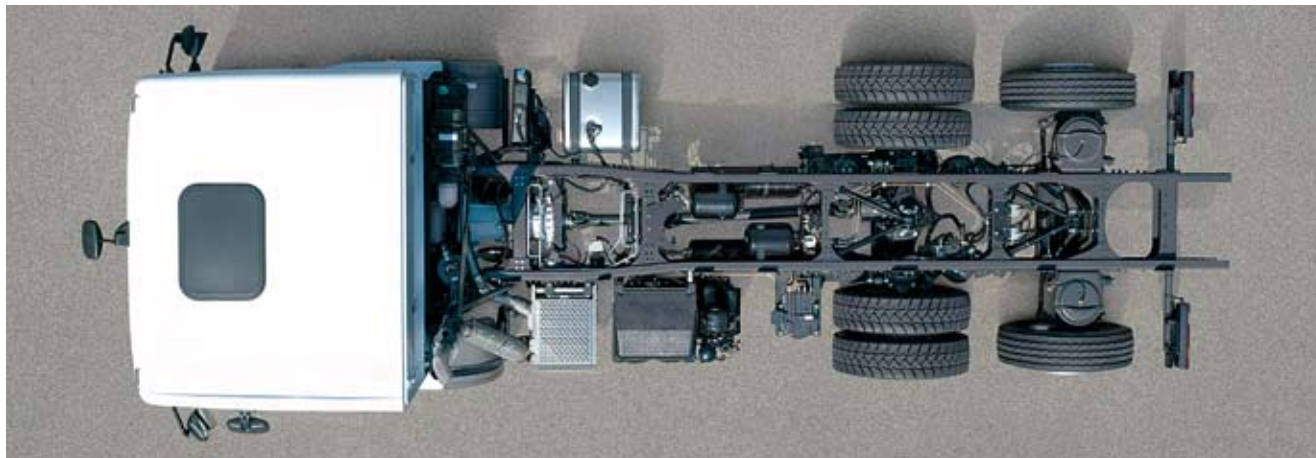


Advantage: Save two steps. The Econic low-floor concept

Sometimes, less is more: the low-floor concept makes it particularly easy to get in and out of the cab which also has a completely level floor. Ergonomic working practices put less strain on people and equipment, sickness levels fall while efficiency and motivation rise.

As well as delivering benefits in terms of ergonomics and efficiency, the low-floor concept offers maximum flexibility when it comes to the range of bodies which can be fitted: they can be lower and more compact while still offering the same cargo volume and payload.

Roadholding also benefits greatly from the Econic's low-frame design and the resulting low centre of gravity. The electro-hydraulically steered forward-trailing/trailing axle makes the Econic extremely manoeuvrable while the standard-fit all-round air suspension – available with an optional integrated raising/lowering system – provides optimum ride comfort.



Low-floor concept: the low-floor frame of the Econic offers maximum flexibility thanks to its good body-mounting ability

Advantages at a Glance:

- Ergonomic low-entry cab
- Low-floor frame with good body-mounting ability
- Very wide range of chassis variants
- Electro-hydraulically steered forward-trailing/trailing axle
- Raising/lowering function
- All-round air suspension as standard



Conventional cab: entering a conventional cab involves a climb. Steps of differing heights (1-4) increase the time required to perform work processes



Econic low-entry design: boarding the Econic involves only one (1-2) step – protected by its integrated position in the cab, it has a rugged surface for optimum grip and fast boarding/alighting



Forward-trailing or trailing axle: the optional electro-hydraulically steered forward-trailing or trailing axle makes the Econic extremely manoeuvrable



Raising/lowering function: depending on the variant and application, the raising/lowering function allows the Econic to be raised by up to 200 mm and lowered by as much as 60 mm

Another comfortably spacious four-seater from Mercedes: the Econic cab

The design of the Econic cab focuses firmly on the needs of the driver and crew: the level floor, the interior width of 2,133 mm, the interior length of 1,770 mm and the full standing height of 193 cm (in the standard cab) provide optimum accommodation for up to four occupants.

In fact, the space offered by the Econic makes it easy for the crew to change into their work clothes (which can be stored conveniently in the numerous stowage facilities and compartments) while standing up.

They can also get in and out of the vehicle safely and easily thanks to the low-floor concept and the 620 mm wide pneumatically operated folding door. Negotiating streets clogged with parked vehicles is also made much easier as the cab has large panoramic windows; correspondingly effective heat protection measures as well as a powerful ventilation system are, of course, also provided.

The low crew seating position enhances visibility from the driving position while also putting the driver on “equal terms” with other road users and pedestrians rather than

looking down on them. All the controls in the Econic cab are arranged ergonomically for efficient working while the low top edge of the instrument panel improves visibility even further.

It goes without saying that particular emphasis is placed on safety: the cabs have a lightweight aluminium space-cage structure and meet the requirements of the ECE R29/2 crash-test standard.



Instrument panel: the central axle-load measuring system provides a continuous display of the current load status and the gross weight of the individual axles

Advantages at a Glance:

- Level floor throughout the cab
- Full standing height in standard cab
- Modular co-driver seating for a crew of up to four (including driver)
- Panoramic cab windows
- Crash-tested in accordance with ECE standard R-29/2
- Practical stowage facilities and compartments for work clothes and equipment



Pre-installation for communications equipment: four DIN slots in the area above the windscreen provide a secure, easily accessible installation space for the tachograph, Toll Collect unit or FleetBoard unit



Height-adjustable steering wheel, driver's suspension seat and individual seats: the Econic offers an outstanding level of workplace comfort



Height of convenience: the level floor throughout and the standing height of 193 cm in the standard cab provide optimum accommodation for up to four occupants

Disposes of your
environmental
concerns too





A power of good.

Economical BlueTec technology

The engines which drive specialised vehicles such as the Econic have to be able to cope with considerable demands associated with everything from stop-and-go operation to the frequent use of power take-offs. At the same time, ever more rigorous environmental-protection and emission-control regulations, rising fuel prices and additional burdens such as restrictions on vehicle operation in particular zones create a need for engines with a low environmental impact – engines like the fuel-efficient, low-noise and low-emission powerplants which can be found in the Econic.

The engine line-up comprises three 6-cylinder diesel units with outputs from 175 to 240 kW. All comply with the EU's Euro5 emissions standard and are based on innovative BlueTec technology.

The rugged, low-maintenance BlueTec 5 engines are ideally suited to the extremely demanding working conditions in the municipal services sector. At the same time, they cut particulate emissions and develop more power despite their lower displacement and reduced fuel consumption.

The Econic BlueTec Hybrid Drive, which is currently being rolled out, deserves a special mention: a 44 kW (60 hp) electric motor reduces the load on the BlueTec engine, turns stored braking energy into additional power and so allows the Econic to accelerate more quickly and smoothly. This parallel hybrid technology for BlueTec reduces fuel consumption by as much as an additional 30% compared with the BlueTec engine. Furthermore, the BlueTec Hybrid can operate emission-free over short distances, such as those encountered in the field of collection and distribution services.



BlueTec5: the SCR diesel technology from (Selective Catalytic Reduction) Mercedes-Benz helps deliver low fuel consumption

Advantages at a Glance:

- Economical engines
- Exemption from operating restrictions, even in low-emission zones
- High resale value
- BlueTec as an advantage when bidding for public contracts
- Tax breaks throughout Europe



Allison automatic transmission: strong, reliable and requiring only low maintenance, the automatic transmission with push-button controls reduces fuel consumption further – this means greater ride comfort, especially when the vehicle is being operated in a stop-and-go application



Good for the environment, good for costs. Econic natural-gas technology

In addition to its many other qualities, the Econic represents an important step forward with regard to drive technology and active protection of the environment: as well as satisfying ECE regulation R110 (the European safety standard governing gas-engines, natural-gas tanks, valves and lines), the Econic natural-gas engine complies with the rigorous EEV (Enhanced Environmentally friendly Vehicle) standard. In fact, its CO₂ emissions already fall below the limits set by the Euro5 standard and are virtually non-existent when running on biogas.

Natural gas contains next to no pollutant precursors and therefore burns particularly cleanly. And that's not all: the more gentle combustion process makes for extremely

smooth running. As a result, noise emissions from the natural-gas engine are as much as 50% lower than those from a diesel engine equipped with noise encapsulation. It all adds up to good news, both for the environment and for local residents troubled by traffic noise.

With its output of 205 kW/279 hp and maximum torque of 1,000 Nm, the Econic natural-gas engine is able to take the demands of everyday work in its stride. The fully electronic engine management system ensures optimum mixture preparation and allows the engine to develop its output particularly economically. In fact, with the Econic, the savings start at the filling station thanks to the significantly lower fuel prices which it enjoys.

Advantages at a Glance:

- Significantly reduced operating costs
- EEV-certified
- Effective avoidance of particulate/fine particulate emissions
- 50% lower noise emission
- CO₂-neutral when running on biogas
- High image value

-50% costs 

	Diesel (at 1.509 euros at public filling stations)	Gas (at 0.89 euros at public filling stations)
Fuel costs/100 km	110.00 EUR	56.07 EUR
Annual fuel costs*	27,500 EUR	14,000 EUR

Saving offered: 13,500 euros (by gas compared with diesel)

-14% fuel consumption  **-18% pollutant emissions** 

	Fuel consumption	CO ₂ emissions
Econic NGT	63 kg/100 km	157.50 kg/100 km (1 kg natural gas = 2.50 kg CO ₂)
Diesel vehicle	73 l/100 km	193.45 kg/100 km (1 l diesel = 2.65 kg CO ₂)

Real-world example: fuel consumption of an NGT Econic used by Speyer municipal services

* A waste collection vehicle covers 25,000 km per year on average



Gas-driven Econic sweeper in Prague: helping to keep the city and the environment clean



High-pressure tanks: protected by a solid steel frame, the gas bottles, along with the engine, lines, valves, etc. meet the high safety standards laid down in ECE R110



Filling up: refuelling the gas-driven Econic is fast, safe and clean



Now blind spots have nowhere to hide



All-round visibility – because seeing is anticipating. The Econic safety concept

The Econic's large panoramic windows, the low top edge of the instrument panel and the fully-glazed folding door make for outstanding visibility and allow the vehicle to be manoeuvred extremely accurately. As a result, kerbing damage occurs noticeably less frequently. Visibility is enhanced even further by the modified mirror array, featuring a wide-angle mirror on the driver's side fitted above the main mirror which now has a wider field of view, as well as the optional reversing camera.



Aluminium space-cage cab: the Econic cabs have a lightweight aluminium space-cage structure and meet the requirements of the European ECE R29/2 crash-test standard

In order to ensure that the large window areas which make this excellent visibility possible do not turn the cab into a greenhouse, the glass surfaces of the Econic are coated with heat-reflecting film, which is complemented by anti-glare roller sunblinds. A well-designed ventilation concept and the powerful air conditioning system create a pleasant interior climate, even on hot summer days.

Safety at work: the Econic's aluminium "space-cage" cab meets the requirements of the ECE R29/2 crash-test standard. As the pendulum impact test, roof strength test and rear-wall strength test show, the Econic offers optimum protection in every situation.



Grab handle: the optional, integrated grab handle on the upper face of the instrument panel enhances co-driver safety

Advantages at a Glance:

- Inward-opening co-driver door for greater protection
- Mirror array with wide-angle mirrors
- Crash-tested aluminium space-cage cab
- Effective sun and heat protection



A better view: optimum visibility is ensured by the modified mirror array (1) with the upper wide-angle mirror on the driver's side and, below it, the main mirror, as well as by the optional reversing camera (2). The one-piece sunblind (3) offers effective dazzle protection even when the sun is low in the sky

Fits into your fleet too





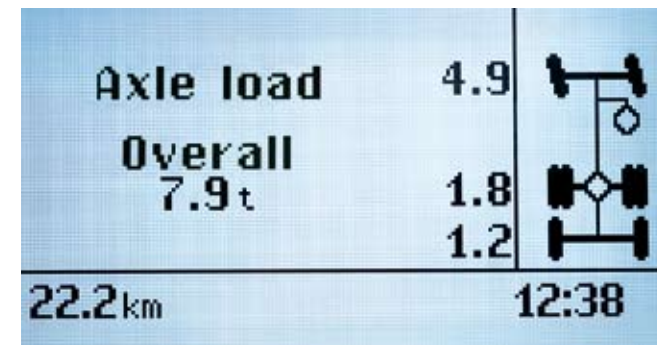
As diverse as the challenges they're designed to meet. The variants

Characterised by exceptional versatility and flexibility – as a result of having been specially developed for a very wide range of truck applications, from municipal services to collection work to distribution – the Econic offers exceptional scope for individualisation in line with the requirements of your particular field of activity. This means that it adapts to your needs, rather than the other way round.

Specialised and yet universal: from the application-specific positioning of components and attachments to special wheelbases and bodies, the Econic makes it possible to create practical vehicle solutions in which almost every customer requirement can be implemented. The range of factory-integrated variant features includes: the two (high and low) cab variants, a choice of four chassis with wheelbases from 3,450 to 5,100 mm, two, three or four axles, a maximum axle payload of 7.9 tonnes and a permissible gross vehicle weight of 18 to 32 tonnes.

The rugged two-part low frame is available ex-works with the universal 50 mm pre-drilled hole pattern. This allows the vehicle to be equipped with individualised, economical body solutions without the need for additional drilling which could compromise the cathodic corrosion protection.

You can also specify vehicle variants – such as Econic fire-fighting vehicles, tractor units, swap-body systems or air-field fuel tankers – specially tailored to your requirements.



Axle load measuring system: this provides a reliable, continuous display of the current load status and the gross weight of the individual axles

Advantages at a Glance:

- Two cab variants
- Two, three, or four axles
- 18 to 32 tonnes gross vehicle weight
- Rugged low frame with universal mounting hole pattern
- Customer-specific vehicle versions



Cab variants: the low cab allows the use of higher bodies while the high cab offers more comfort

Demanding roles call for star performers. The Econic as a fire-fighting and airfield vehicle



The Econic turntable ladder vehicle: with an overall height of just three metres, it can reach the scene of the emergency quickly and directly without having to avoid low underpasses



The Econic airfield fuel tanker: thanks to its low-floor frame with good body-mounting ability and low centre of gravity, the Econic makes an ideal airfield tanker



Get through where others can't. Distribution applications



The Econic semi-trailer truck: environment-friendly and quiet, it is also able to accommodate shift work and overnight operations. Ideal for just-in-time transport



The gas-driven Econic distribution vehicles: lower costs, lower noise, lower emissions and freedom from city-centre operating restrictions



No dust, no noise and no compromises: choose the Econic and stay a step ahead

Ten years after the launch of the Econic, the success of this vehicle concept continues to be demonstrated day after day by the thousands of models which are in use around the world. And it is still ahead of its time.

And we intend to maintain this successful lead in the future too. Because every Econic is also a Mercedes-Benz with all that that implies with regard to guaranteed quality, a long service life, active environmental protection and reliable service. Nowhere do we feel this obligation

to succeed more strongly than in the field of sustainability: with our efficient and clean drive systems as well as our use of alternative fuels, we are already hard at work ensuring that mobility solutions continue to be available in the future.

With natural gas and liquefied gas engines already available in the market, we are now focusing in particular on the development of high-performance hybrid engines. In this way, mobility will continue to form the basis of the development of society for future generations too.



Visit our web site at: www.mercedes-benz.com/econic



ECONIC

Environmental Excellence



Always there when you need us.

Worldwide service from Mercedes-Benz

Wherever there is an Econic, we are never far away. Due to our more than 1000 service outlets throughout the world, support for your Econic can reach you fast whenever you require it. With services that are just as reliable, flexible and up-to-date as the Econic itself. From our rapid parts service or repairs and maintenance, on up to tailor-made financing or leasing packages.

Would you like to find out more? Simply cut out the postcard, fill it in and send it off by post. Or by fax to: +49 (0) 721/15 10-125.

For more information, visit us on the internet at www.mercedes-benz.com/econic



I would like to know more

Yes, please send me more information about the Econic low-entry vehicle.

Does your company already use Econic trucks?

Yes No

If yes, what type of engine do these trucks have?

Diesel Gas

Please send me the following brochures:

- Econic municipal services
 Econic fire brigade
 Econic gas-driven semi-trailer truck

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