

The Mercedes 190 series in its new form. Stars of the compact cars.



Mercedes standards of quality in a compact, dynamic form. With a new powerful line and a new level of equipment. Plus increased safety thanks to ABS offered at new, favourable conditions.

190, 190 E, 190 E 2.3, 190 E 2.6, 190 D, 190 D 2.5, 190 D 2.5 TURBO



A move forward.



Right from its launch date, the compact Mercedes became the leading car of its type. With this further development of the 190, Mercedes-Benz are continuing their successful concept; quality compact cars.

The result is the new dynamic appearance, which brings out the character of the car to the full. A considerable gain in space at the rear. Even

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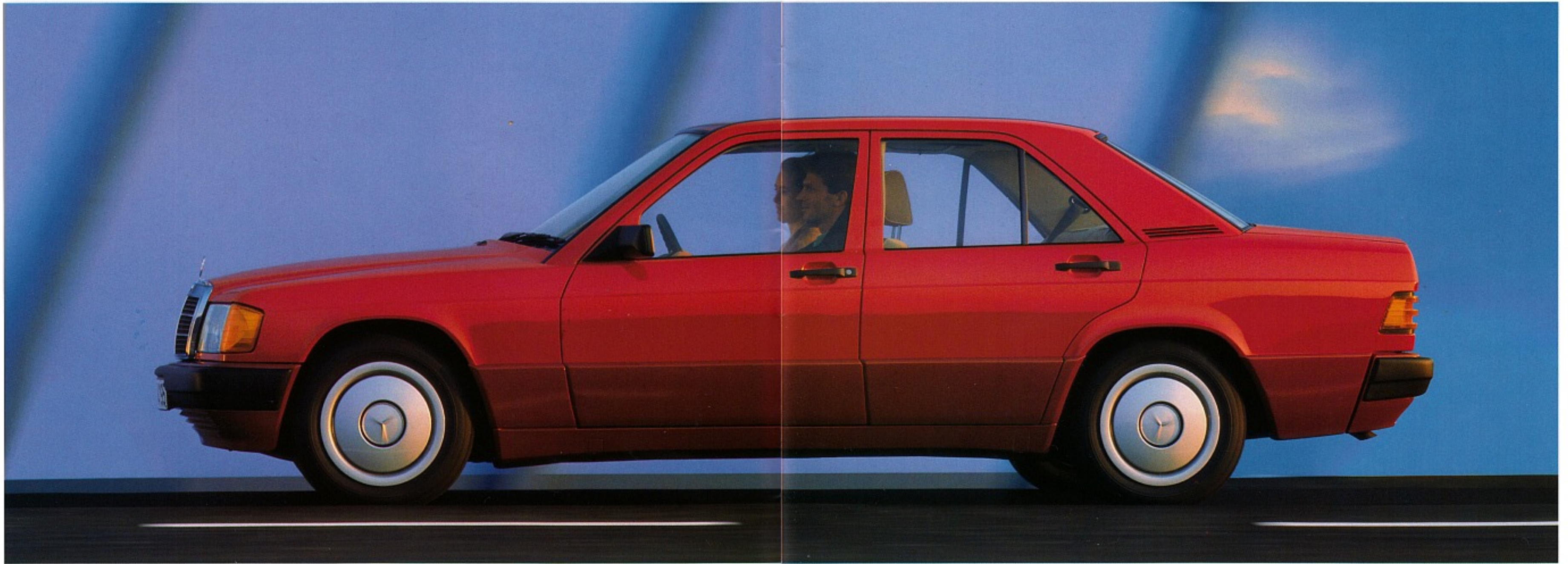
The information in this brochure relating to basic equipment, as well as legal and fiscal regulations and their effects, is only valid for the Federal Republic of Germany. The illustrations include optional extras which are not part of standard specification.

more comfortable seats. New equipment and additional safety features; an electrically adjustable, heated near-side exterior mirror and seat belt sash guides that adjust for height to suit every user, are now standard.

The Mercedes-Benz anti-lock braking system is now available at a cost which makes it easy for you to decide in favour of greater safety.

Maximum safety is thus no longer an exclusive luxury for the few but a logical choice for many motorists.

The new line.



The new, pronounced lines which demonstrate the car's character. Powerfully styled front and rear sections, an impressive appearance, a low centre of gravity. At the same time an agile look, with a line that breathes vitality and performance. Automotive dynamism at its best.



Dynamism clearly expressed.

The entire bumper and skirt sections have been re-designed. The front has been lowered - this also enhances safety by reducing lift. The solid appearance of the bumpers and the protective side mouldings. A large, completely re-designed rear bumper assembly.

The new, distinguishing feature;

mouldings to protect the sides, and to give an even more sporty silhouette. A pronounced horizontal line flowing from the front to the rear, underscoring the long, low shape of the car.

Exterior mouldings in twelve different colours - carefully matched to the paintwork.

Front and rear screens with haematite-coloured anodised surrounds, now even more corrosion-resistant which, by virtue of their dark glazed effect, create elegant frames to all the windows. The same material is also used on the roof edges. The rear screen with a re-designed surround which helps significantly in keeping the glass clean.



*The principal feature of the Mercedes design. The perfect integration of all the functional details into the basic geometry of the shape and into the characteristic styling.*

## Incomparable handling.



Compact and manoeuvrable. A powerful, high-performance concept. And engineering to match. The reason why this car is so special is that the suspension and damping, the brakes and steering are not just off-the-shelf components, they are all individually designed for the 190. Each perfect in its function, all working in complete harmony. For handling and ride qualities that are unsurpassed. And for the maximum attainable level of active safety.

The multi-link independent rear suspension provides exceptional comfort with optimum cornering and directional stability.

Designed to match – the shock absorber strut front suspension, for directional stability in every situation.

Steering precision without exertion – even at high speeds, even on difficult roads.

Power steering as standard. Effortless and yet with a positive feel.

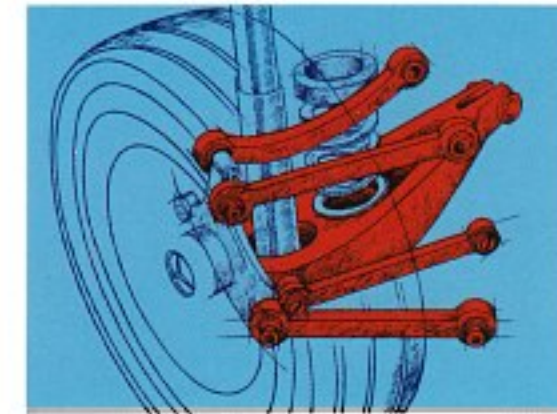
Extremely safe braking; a servo-assisted dual-circuit system with discs on all four wheels.

Tyres to match the dynamism; all 190s fitted as standard with wide low-profile tyres.

ABS. The Mercedes-Benz anti-lock braking system.

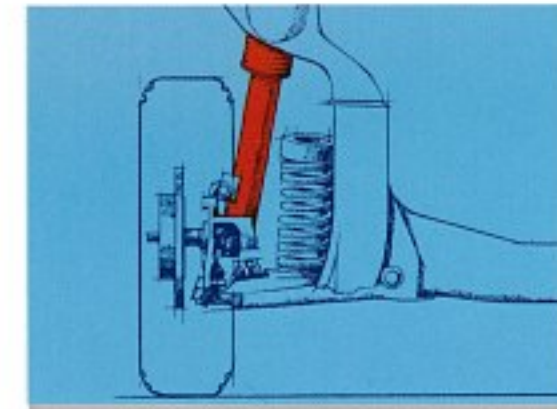
The Mercedes system for safe, efficient braking, even on wet or slippery roads. Matured, fully developed electronics, reacting more quickly and more reliably than even the most experienced driver ever can. ABS is standard on the 190 E 2.6 and optionally available for all other models – at a new, more attractive price.

ASD. The automatic locking differential.



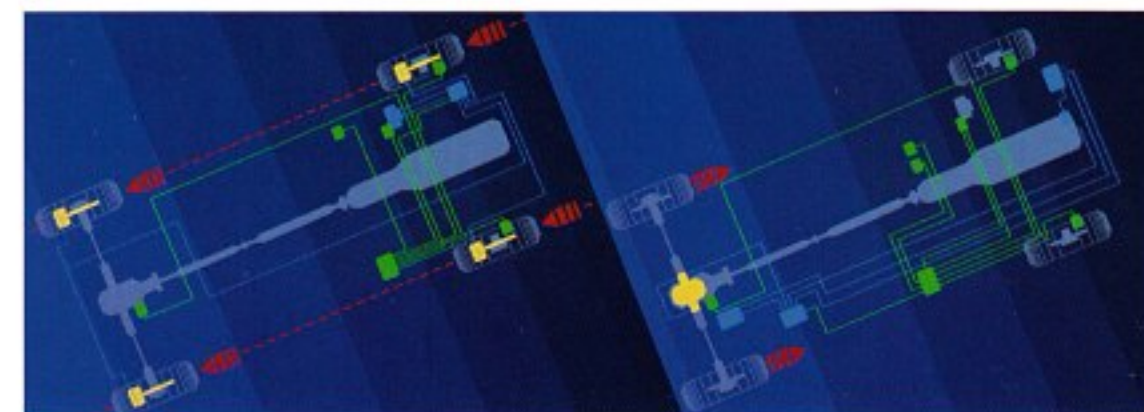
*The principle of the multi-link independent rear suspension; five flexibly-mounted links on each rear wheel to neutralise any self-steering effect – whatever the driving conditions.*

This unique electronic system is available for the Mercedes 190s. It retains the outstanding handling qualities even in difficult driving conditions. On slippery road surfaces ASD prevents either of the driven wheels from spinning. Starting-off capability is impressively enhanced. No matter what the conditions, ASD makes the right decision. The driver does not have to



*The powerful "legs" of the front suspension are large gas-filled shock absorbers. Together with the wishbones, they give accurate and sensitive front wheel location.*

intervene. And an indicator tells him when he needs to adjust his driving style.



ABS

ASD

*Leadership in new technology. It was Mercedes-Benz who developed both systems through to series production.*

The new dimension to space.



In this sense, the word "new" has a double meaning. There is considerably more space in the rear, as well as freedom of movement at the front. In addition enhanced comfort, because of the newly designed seats and a series of carefully detailed features. A Mercedes atmosphere with the sporty appeal of the 190.

Effortless to handle, safe to drive, the right reaction in every situation. Functional logic in all the elements, as a result of thoroughly tried-and-tested ergonomics.

The right seating position, all the controls logically positioned and easy to reach, a clearly laid-out instrument panel.

Warning lights show when engine oil, coolant or windscreen washer fluid have to be topped up. The panoramic windscreen wiper sweeps 86% of the screen. Large, heated exterior mirrors, the nearside mirror electrically adjustable from the driver's seat. Independently adjustable heating for each side of the car. Heated rear screen. Further improved sound insulation in the engine compartment, to make the interior even quieter.

Compact-sized safety steering wheel. Completely new seats front and rear. Softer seat-surfaces with improved support. Reduced fatigue due to more pronounced ribbing on the upholstery.

Seat squabs that provide significantly more lateral support. Driver's seat squab now also adjustable for angle. New, too, height adjustment for the front inertia-reel seat belts. Maximum restraint from a belt that's always correctly positioned.

An atmosphere of generous space to match the greater freedom of movement. New fabric design with an elegant striped pattern. Fully fabric-covered seat bases visually integrate seat and floor.

A comprehensive catalogue of engineering and styling innovations for a new standard of comfort.



*The centre console. An example of the simplicity of all the controls on the car. With a single movement of the hand and without having to search.*



*A seat squab that can now also be adjusted for angle, enabling the driver to adjust the seat in every dimension.*



*The centre pillars have been re-designed and are finished in a new trim. The height adjustment for the seat belt tuck guides has been incorporated into the new styling.*

More relaxed.



If high-speed driving becomes tiring, then it's the car that's at fault. But a Mercedes 190 offers a driving experience that's fun. Concentration without effort, performance with relaxation. The new 190 now makes driving even easier. In many ways.



*New trim around the base of the seats, so they blend into the floor carpeting.*

Four large, wide-opening doors, convenient access to an interior in a timelessly modern style. Practical design, high-quality materials. Mercedes atmosphere, radiating elegance and security.

Two new aspects are significant. The increased legroom in the rear. And the new upholstery-technology, including the rear seats.

A greater distance between the seatbacks of the front seats and the rear seats creates space for relaxed passenger comfort – even on long journeys.

The new upholstery for the front seats. A softer surface and at the same time greater stability and improved lateral support.

In addition, a new elegant fabric design and the single-coloured fabric covering for the centre section at the rear. Also at the rear, fully fitted velours carpeting.

The interior trim on the doors, with fully integrated handles and pockets. Top-class design in every detail. And typical of Mercedes, the design is never an aesthetic exercise in itself but is always the result of considerations of safety. For instance the specially shaped knob on the window winder and the armrests designed to deform, to provide added protection from injuries.

A further development in comfort and safety. The seat belt buckles are positioned and mounted so that they can be reached easily at any time and yet do not get in the way.

Child-proof locks on the rear doors as standard. Central locking as an optional extra, to lock or unlock the car from any lock (including the fuel tank lock).

Exemplary low noise levels, too, due to increased sound-proofing in the rear.





The wide range.



Seven different models are available – not counting the new sixteen-valve model with the 2.5 litre engine. The 2 and 2.3 litre petrol models with four-cylinder engines. The 2.6 litre six-cylinder model. The diesel models with four and five-cylinder engines and the 2.5 litre turbo-diesel.

Highly dynamic.



The facility for customers to make their individual choice is a part of Mercedes quality. And the model range is logical; carefully graded according to type of engine, performance, number of cylinders and engine-size.

Dynamically different models – to meet driver requirement and preference.

### The four-cylinder petrol engines in the 190, 190 E und 190 E 2.3

For engines of this size, the four-cylinder configuration is and will remain superior. In performance, quietness, fuel-consumption and weight it provides a clearly better balance of values. And consequently, in the long term, more pleasure in their characteristics.

A feature common to all four-cylinder engines is their accelerating power. High torque from low down – in other words where it's needed most of all. High active safety, from vigorous acceleration.

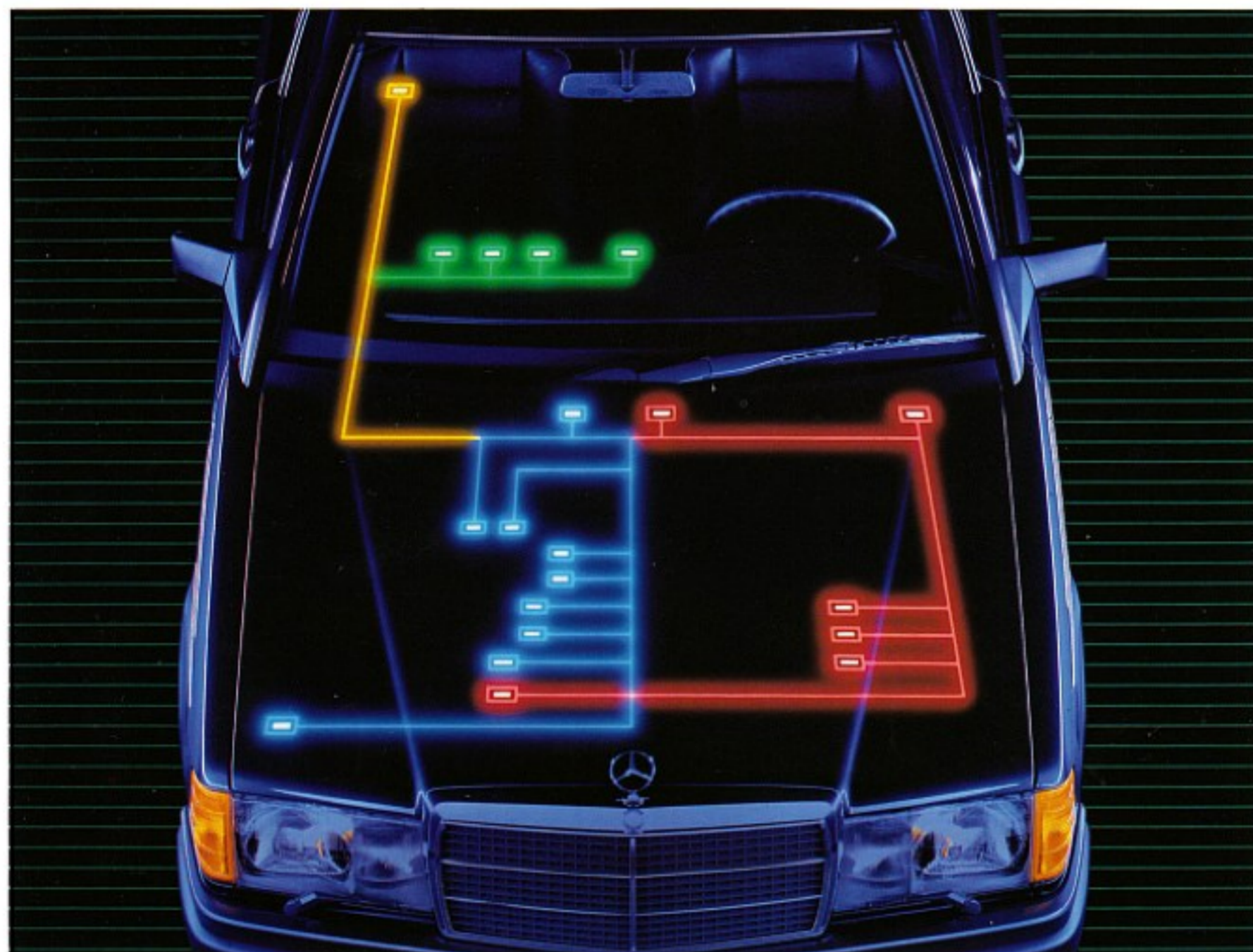
The four-cylinder carburettor engine producing 75 kW (102 hp); modern, mature Mercedes engineering. Even when driven hard, a model of flexibility and reliability.

The 2 litre fuel-injected engine in the 190 E produces 87 kW (118 hp). The most successful model in the range – a balanced combination of performance, quietness and economy. One of the benefits of its mechanical/electronic fuel injection system.

The larger four-cylinder engine, with a 2.3 litre displacement. From

its 97 kW (132 hp), dynamic acceleration, from 0 to 100 km/h in just over 10 seconds.

On all three models, remarkably low fuel consumption resulting from maximum utilisation of fuel, low weight and exemplary aerodynamics.



## The six-cylinder engine in the 190 E 2.6

Mercedes-Benz have given "six-cylinder" a new meaning. Technical progress that is not merely high power. Of course, there's more liveliness. And quieter than hitherto possible. But above all, dynamism and smoothness in all engine speed ranges, with low fuel consumption.

A great driving experience. Sporty acceleration combined with the car's performance and the suspension's stability.

A very compact six-cylinder engine, developing 118 kW (160 hp);

good for 0 to 100 km/h in 9.2 seconds. At the same time reliable, due to the mature engine technology. Proven, basic mechanical system, complemented by electronic fine-tuning. The electronic ignition system and the mechanical/electronic injection system are controlled by microprocessors and thus continuously and precisely matched to the operating conditions. One reason for the good relationship between performance and fuel consumption.



## The diesel engines

in the 190 D, 190 D 2.5 and 190 D 2.5 TURBO

Mercedes-Benz diesel engines have always been economical and durable. They combine these classic qualities with spirited performance, flexibility and low noise levels - advantages only few diesel engines can offer.

A number of special features allow Mercedes diesels to stand out from other diesel cars; their lively performance, their very low fuel consumption, their quiet-running engines, their first-class starting characteristics even at low temperatures, their low noise and pollutant emission levels.

This has been achieved by designs unique to Mercedes-Benz; for example, the cross-flow cylinder head for vigorous, thorough "breathing" and the fully encapsulated engine.

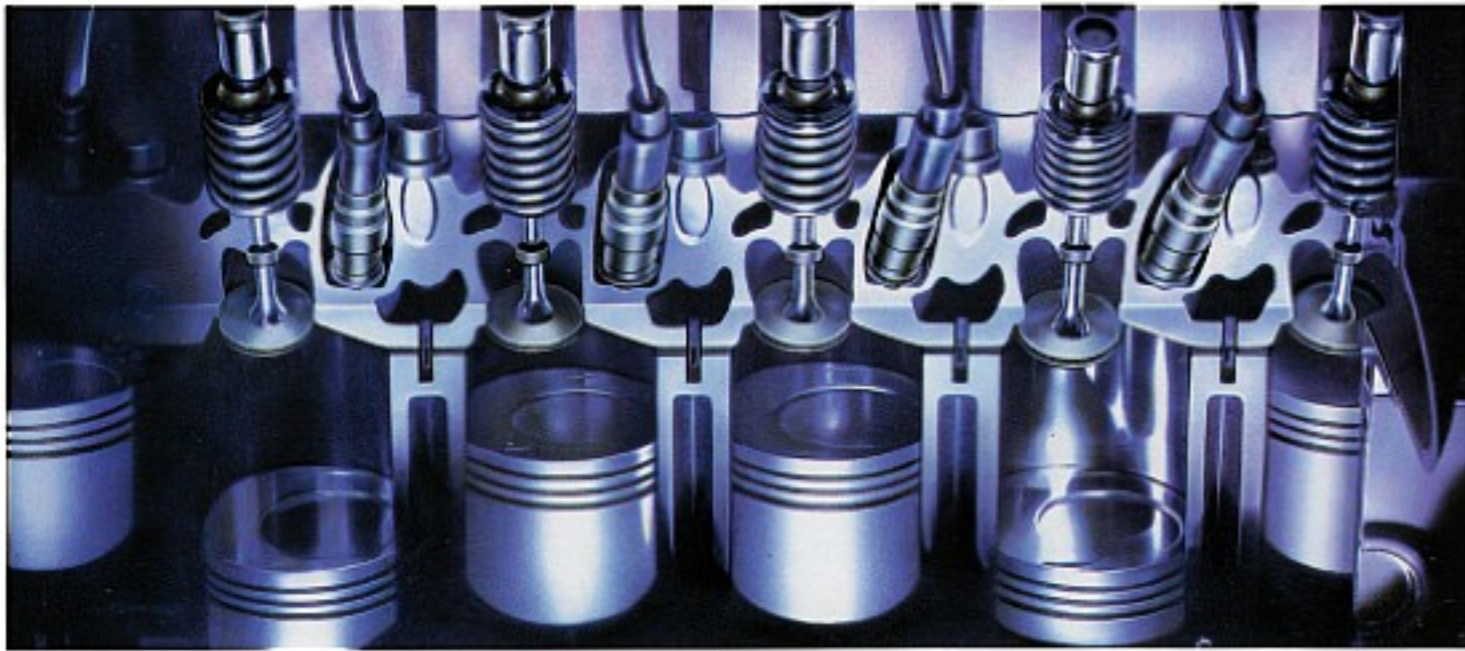
The four-cylinder engine in the 190 D produces 53 kW (72 hp). Its most salient feature, 90 % of the maximum torque is available in the low engine speed range, from 1300/min.

The 190 D 2.5 with the 2.5 litre five-cylinder engine sets new standards for diesel motoring. Comfort-

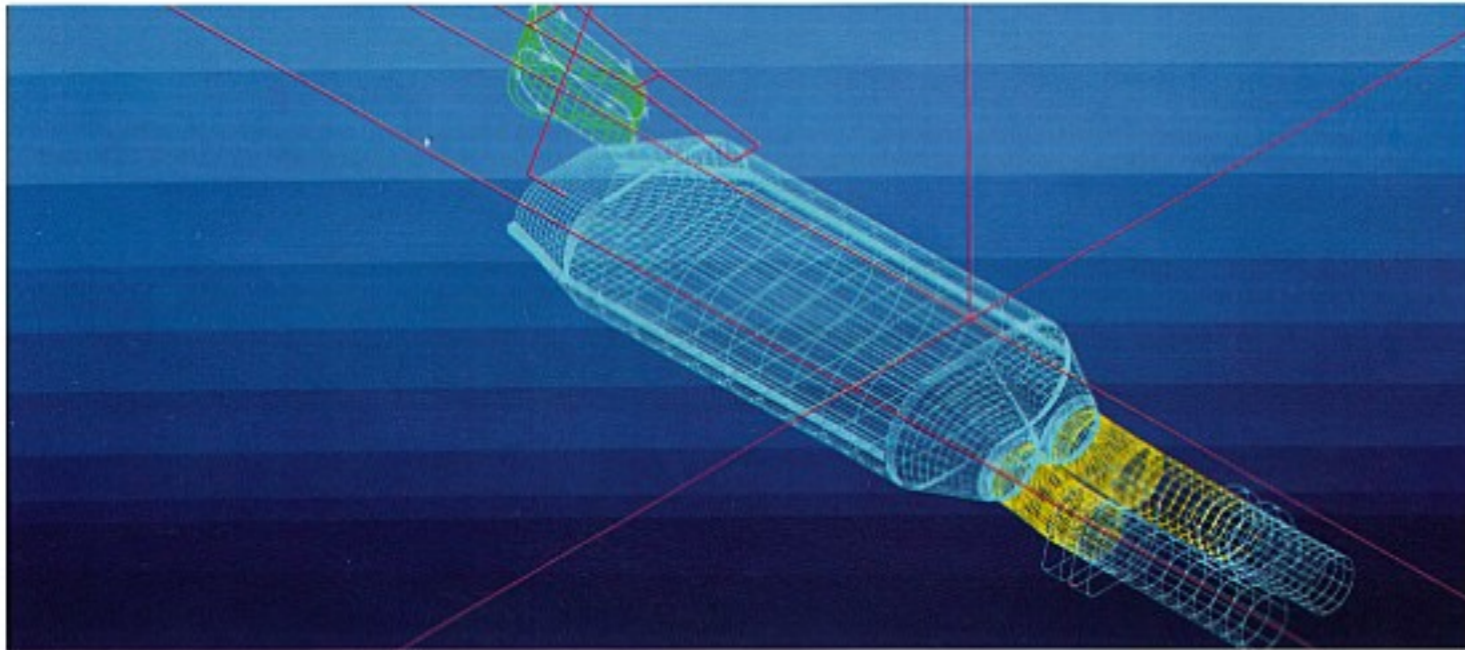
able high performance with proven endurance.

The new 190 D 2.5 TURBO allows many previous ideas of diesel motoring to be set aside. Sporting dynamism combined with the driving characteristics of the compact Mercedes. Superb motoring pleasure that begins with an acceleration from 0 to 100 km/h in 11.5 seconds.

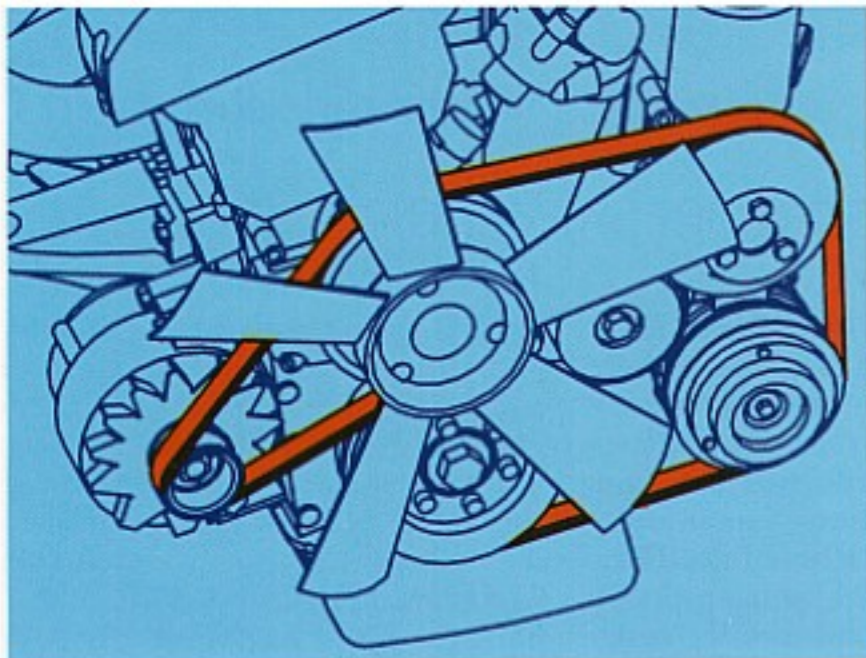
## Superior features.



*All the Mercedes engines are proven in their endurance, an assurance for years of trouble-free motoring even if they are driven hard. (Every engine undergoes a full bench test.)*



*All the petrol engined models from Mercedes-Benz are fitted as standard with a closed-loop three-way catalytic converter and are therefore cars with low emission levels.*



**The 190 und 190 E models**  
 • four-speed gearbox as standard  
 • optional five-speed gearbox or automatic transmission with two shift programmes

**The 190 E 2.3 and 190 E 2.6 models**  
 • five-speed gearbox as standard  
 • optional automatic transmission with two shift programmes

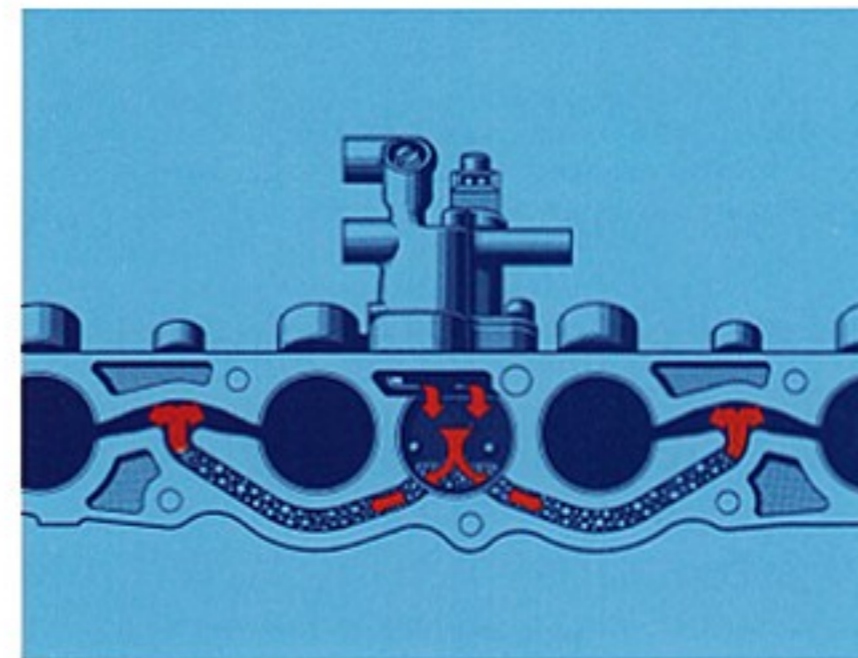
*An example of technical intelligence. All the auxiliaries of Mercedes engines are driven on one common plane. The effect, savings in weight*

*and space, and above all reduced stress. The result, reliability that other systems cannot match.*

## Optimum performance.



*Full encapsulation of the engine and gearbox reduces outside noise to a level which cannot be matched by many petrol engined cars. Inside a Mercedes diesel, it's scarcely possible to identify the sound as that of a diesel engine.*



**The 190 D model**  
 • four-speed gearbox as standard  
 • optional five-speed gearbox or four-speed automatic transmission

**The 190 D 2.5 model**  
 • five-speed gearbox as standard  
 • optional four-speed automatic transmission

**The 190 D 2.5 TURBO model**  
 • four-speed automatic transmission as standard

*The automatic increase in idling speed and fuel pre-heating ensure rapid starting and confident driving - even at extremely low temperatures.*

Progress made visible.

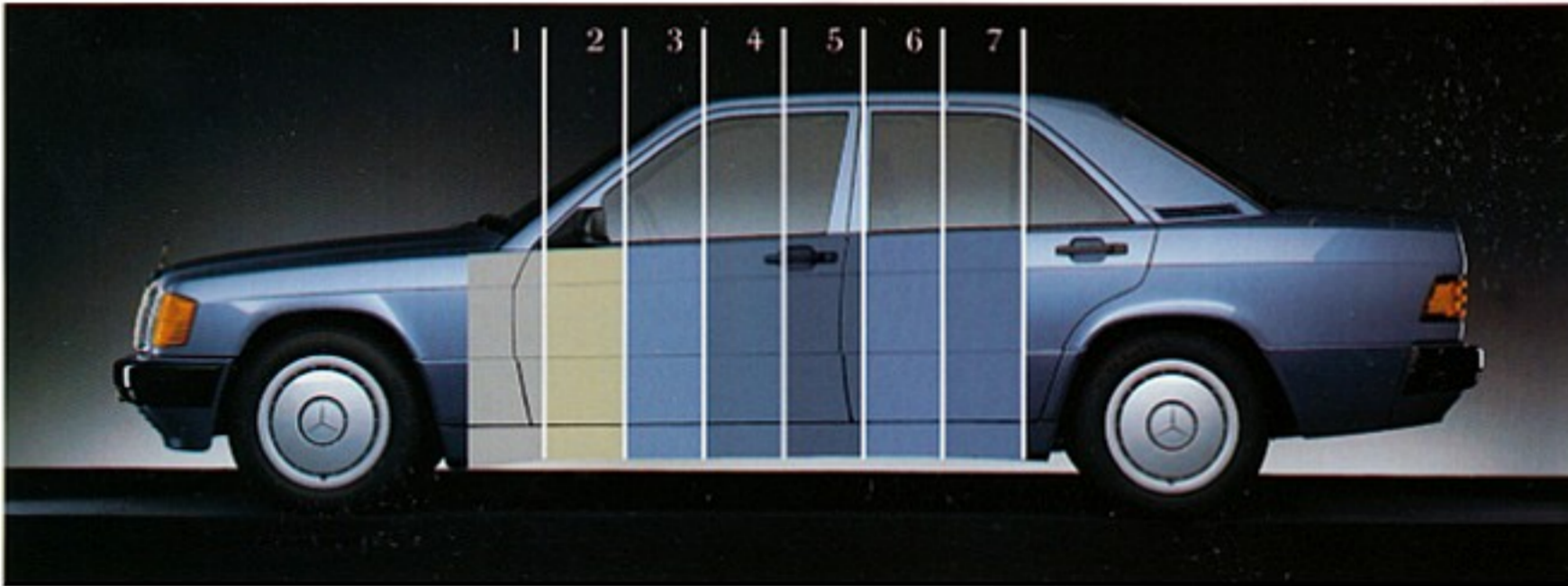
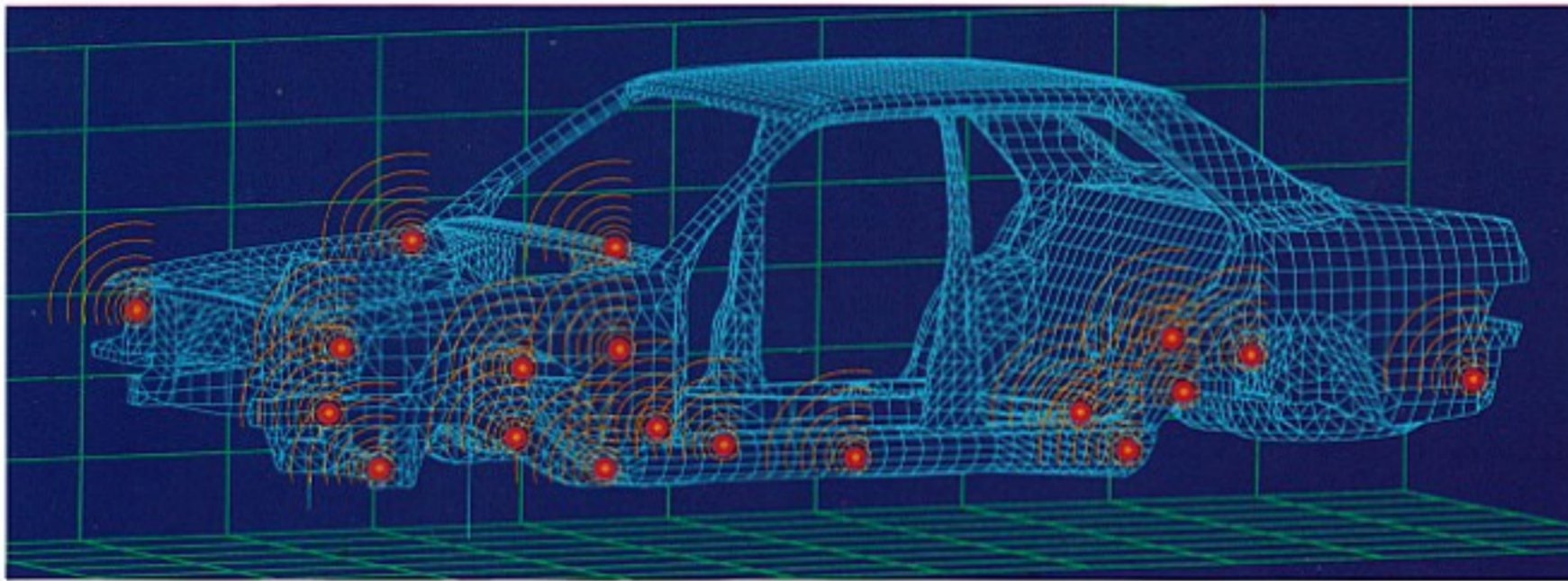


The shape of the 190 has on the one hand set the standards for style in automotive engineering for cars of its type, while on the other hand retaining the unmistakably typical character of a Mercedes. It is an expression of dynamism and of the high technology throughout the entire car. Aerodynamic efficiency and active safety are integrated into the design – in every detail.



- The upward curving bonnet, almost concealing the wiper, not only improves the aerodynamics but also reduces the risk of injury to pedestrians and cyclists in accidents.
  - Because of the special design of the front pillars, the side windows are kept virtually free from rain water and spray.
  - The sporty-looking, aerodynamic rear section makes a significant contribution to the very low Cd factor.
  - Large lamp assemblies at the front and rear. With dirt-deflecting surfaces and indicators clearly visible from the sides.
- Good all-round visibility for the driver. At the same time limited heating-up of the interior in sunlight, despite the large windows.

## Value-retention to Mercedes standards.



The long life of a Mercedes is the result of consistent effort; in the design, in the selection and testing of materials, in production, in the frequent quality inspections. Qualities that are not totally visible at first glance. But which determine the true character of the car.

Features for high value-retention:

- The electrolytically galvanised panels - wherever there is the slightest risk of rust. Galvanising the complete body-shell is an unnecessary waste of raw materials and of the customer's money.
- All the cavities are sealed with a tough wax, using an electronic system that ensures that the wax is applied evenly.
- All the components exposed to wet, salt or stone chips are fin-

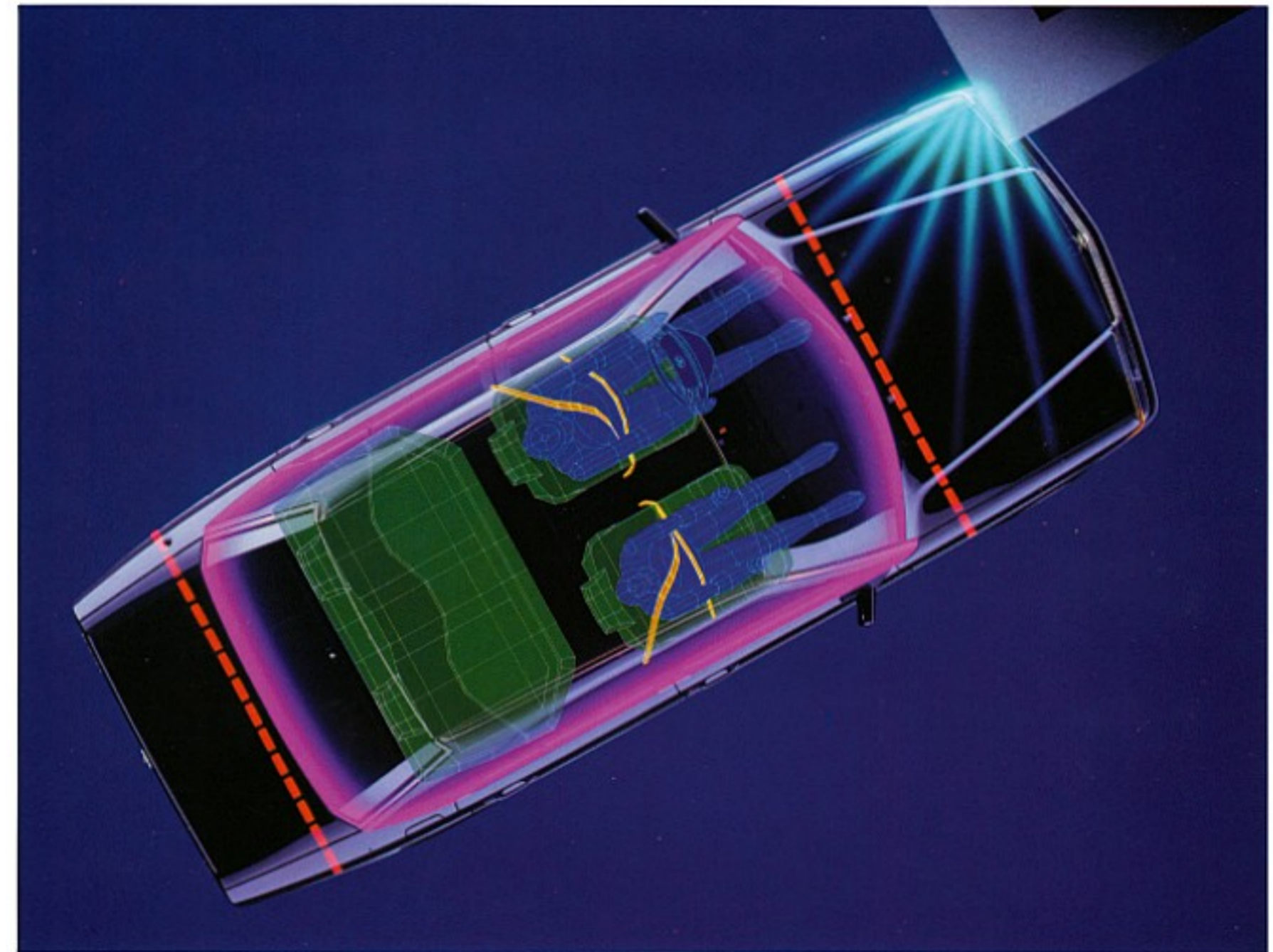
ished in a highly resilient paint.

- The smooth underside has PVC protective coating. The wheel arches are fitted with plastic liners.
- A multi-layer paint system, each coat applied with maximum care - each with different protective functions, each one complementing the other.

*Metallic paint structure:*

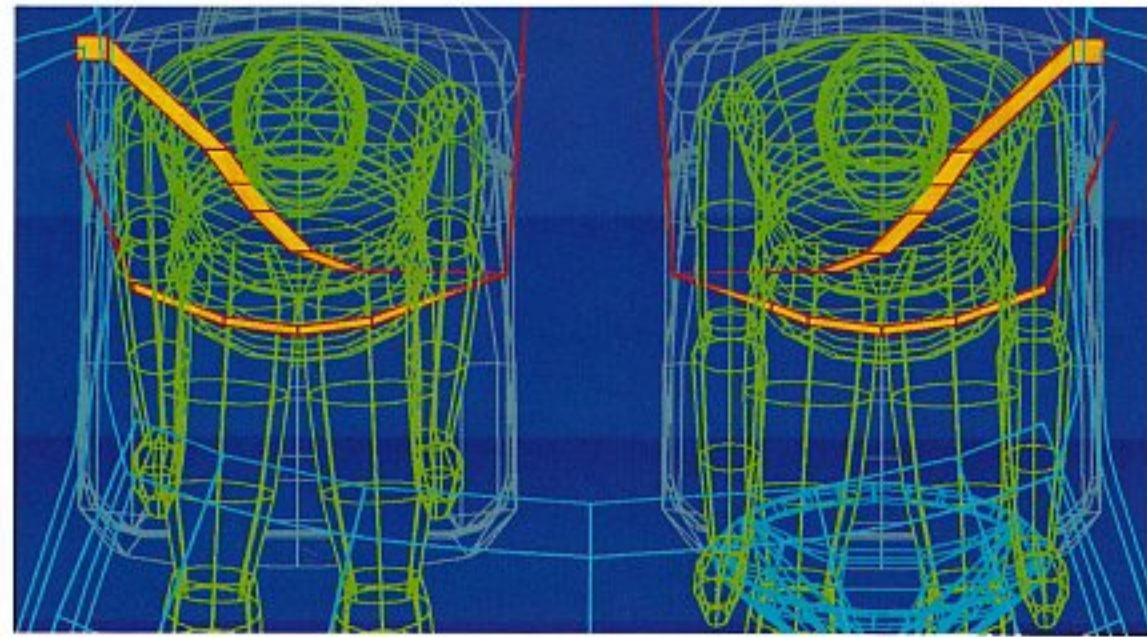
1. Steel panel (electrolytically galvanised on the inside)
2. Phosphating
3. Electrolytic dip-priming
4. Intermediate general protection
5. Special filler
6. Base coat
7. Clear coat

## Safety - the Mercedes concept.

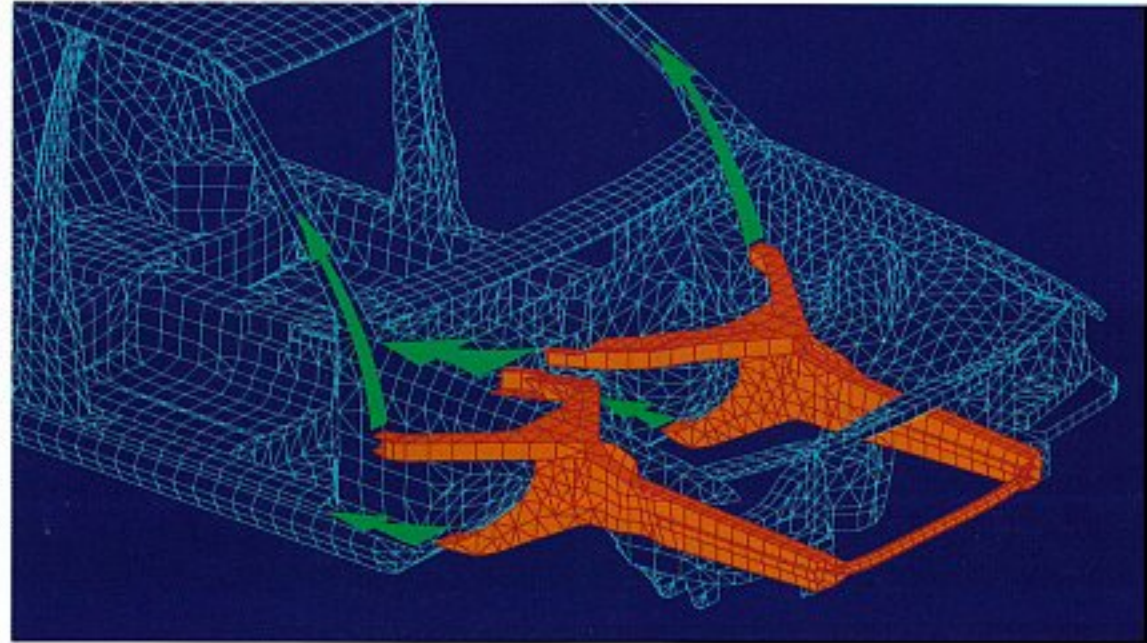


Even in a compact Mercedes, you are surrounded by a system of protection-engineering which is unique. An invisible, yet inestimable asset.

## Progress for your personal protection.



*The electronic belt tensioners on the front seats; examples of Mercedes' leading position in the field of safety.*



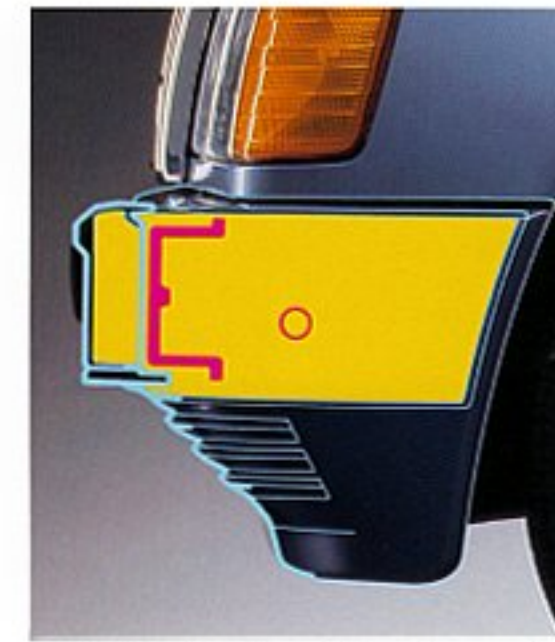
*Computer-calculated and thoroughly crash-tested in the event of an accident, impact forces are distributed so as to reduce their strength and thus prevent severe local deformation.*



*Trend-setting design down to the smallest detail. The nearside exterior mirror, now standard on all models, is electrically and thus effortlessly adjustable from the driver's seat, and automatically heated at low temperatures.*

Forward-thinking features throughout the car:

- High lateral strength from the strong combination of pillars with high rigidity, pressure-resistant doors and door locks with high load-bearing capacity.
- The design of the interior is also the result of safety research – right through to details such as the shape, material and deformation of handles, armrests and knobs.
- Fully-assured steering safety. The steering wheel with its impact absorber and padded boss, the steering column with its deformable corrugated section. The entire system anchored in such a way that it is unlikely to be displaced towards the interior in the event of an accident.
- The result of intensive research work at Mercedes-Benz; specific absorption and deflection of impact energy resulting from an offset frontal collision, the most common type of accident.
- Improved positioning and stowage of the belt buckles in the rear.
- Deformable front section to reduce risk of injury to pedestrians, cyclists, etc.
- Extremely rigid passenger compartment. Remains largely intact in the event of an accident.
- The top section of the instrument panel, the glove compartment lid and the interior door panels are soft-padded elements designed to absorb energy.
- Safety even in small details; the glove compartment telescopes in the event of an accident.
- Instrument panel designed to absorb impact-energy in the knee area.



*Deformable bumper systems that regain their shape after minor impacts.*

- In a front-end collision the pedals swing away toward the engine compartment. The footwell thus remains unobstructed.
- The fuel tank is in a safe position above the rear suspension.
- The restraint system has been further improved by the provision of height adjustment for the front seat belts. For improved retention and more comfort, they can be matched to body height.
- For additional protection, an air-bag for the driver is optionally available. It is triggered electronically in the event of a severe impact and significantly reduces the risk of injury.

Extra comfort – in the Mercedes style.



Automatic climate control

ASD indicator

Tilting/sliding sun-roof

Selector lever for automatic transmission

The standard equipment on the 190 is comprehensive and practical; everything that the discerning driver expects – and everything that is actually necessary.

Including many items that are not available on other cars, even at extra cost. And nothing that turns out to be frivolous in actual use.

And, for your own special requirements, there's our range of optional extras.

A multitude of optional extras, all to Mercedes' high standards of quality. Specially designed for your car, perfectly integrated when your car is built. From auxiliary heating through to the headlamp wash/wipe system, from the airbag and electrically heated seats through to central locking, from the automatic

aerial and the rear speakers to a carphone.

Our special, fully detailed brochure on optional equipment is available to you.

Service – to Mercedes standards.



Service with the three-pointed star.

The Mercedes emergency service.

When you buy a 190 you at the same time gain the full benefit of the customer service that comes with the three-pointed star. Professional workmanship, provided by qualified technicians who receive continuous training. Fast, efficient service.

You won't have to call upon it very often. A major service only once every 20,000 km (12,000 miles), an oil change every 10,000 km (6,000 miles).

You will experience personal commitment – should you ever need assistance. For example, from our emergency breakdown service in West Germany and in eight other European countries – around the clock, at weekends and on public holidays. For example, by the efficient and rapid provision of replacement parts.

And from our large network of authorised service centres: in Germany 39 Mercedes major centres with a large number of branches and around 1,000 Mercedes service points. And 5,000 more outside Germany, 2,400 of these in Europe.

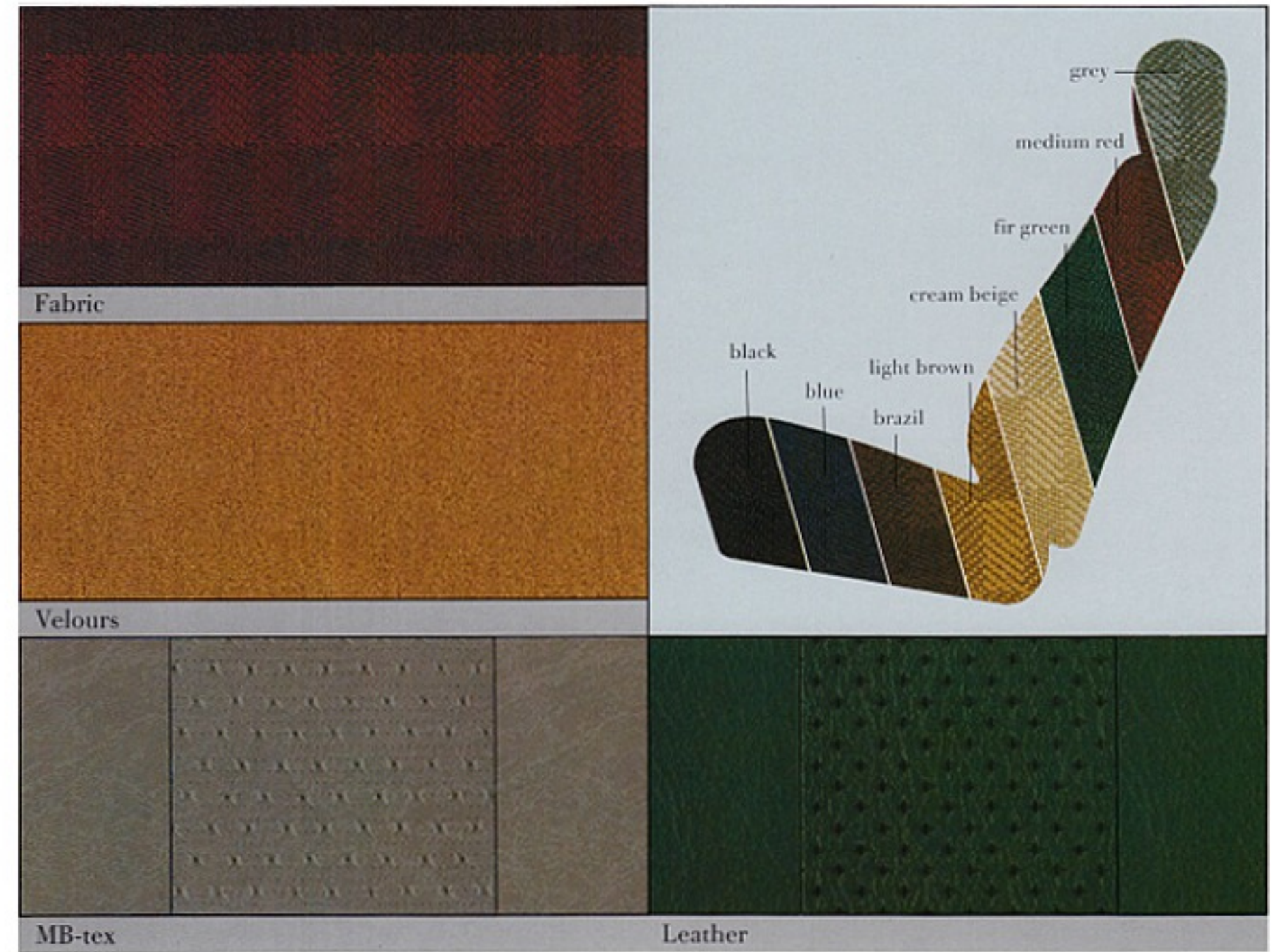
Customer-service to Mercedes quality – based on the concept "As good as the car itself".



### A wide choice of colours.



### A welcoming interior – in your style.



The Mercedes-Benz multi-layer paint system; corrosion protection applied with the maximum care – and an attractive eye-catching finish. With a wide range of colours to meet your personal choice. Combined with the different interior designs, there are many ways to be different.

For technical reasons, the examples reproduced here may vary from the actual colours.

Four different seat coverings, from the high-quality standard fabric through elegant velours or practical MB-tex to stylish leather upholstery – each in eight colour/pattern versions. All in all, a multitude of possibilities to design your own individual interior.

And the quality. In a Mercedes-Benz the seats are anatomically designed – in line with ergonomic knowledge. Soft enough not to become uncomfortable even on long journeys. Firm enough to prevent your spine and back muscles from sagging and to reduce fatigue.

All the seats are hand-made – with porous layers of cushioning and wool padding under the covers. The high content of wool in the cover-

ings allows the seat to “breathe” and ensures a reasonable temperature.

## Standard equipment in all models. Mercedes-Benz

### 190 D, 190 D 2.5, 190 D 2.5 TURBO, 190, 190 E, 190 E 2.3, 190 E 2.6

#### Suspension

Shock-absorber strut front suspension with wishbones and anti-dive control; negative offset steering; multi-link independent rear suspension with five links per wheel; anti-squat and anti-lift control; two coil springs at both front and rear; anti-roll bars front and rear; two gas-filled shock absorbers at both front and rear. Optional extras: hydro-pneumatic self-levelling rear suspension; automatic locking differential (ASD).

#### Brakes

Dual-circuit power-assisted braking system; floating-caliper disc brakes at front, fixed-caliper disc brakes at the rear; vacuum brake booster; lever-type parking brake; brake-failure warning light for both circuits; brake pad wear indicator. Optional extra: anti-lock braking system.

#### Steering

Mercedes-Benz power-assisted steering; steering damper; large padded steering wheel boss; impact absorber under the padded boss; deformable steering column.

#### Bodywork

All-steel, self-stabilising body-shell; rigid passenger compartment (safety cell); fuel tank above rear axle; impact-absorbing front and rear sections; excellent all-round visibility; panoramic safety glass windows; four doors; protective mouldings on both sides;

flexible bumpers front and rear in fibreglass-reinforced plastic.

#### Seats

Anatomically-contoured seats shaped to give lateral support; seat springing adjusted to vehicle suspension and seat position; front seats adjustable forwards and backwards as well as for back-rest angle; driver's seat firmly anchored also adjustable for seat squab angle and seat height; fully reclining front seats. Inertia-reel three-point seat belts with height adjustment, belt tensioners and safety head restraints on front seats.

On the rear seats two inertia-reel three-point seat belts, lap belt in the centre. Optional extras: electrically adjustable front seats, sports seats.

#### Heating and ventilation

Continuous draught-free flow of warm or cool air with booster fan for windscreen, side windows, front and rear footwells; air volume and air distribution for warm and cold air variable and fully adjustable up and down. Heating separately controlled for right and left sides of the car; two vents for fresh air in the centre of the dashboard, fully adjustable for direction; heated rear window.

#### Windscreen

Laminated safety glass windscreen; electrically-operated windscreen washer unit with two electrically heated twin nozzles; panoramic windscreen wiper with eccentric sweep, two speeds and intermittent control, operated by the com-

bination switch on the steering column.

#### Lighting system

Rectangular broad beam halogen headlamps with side lights, high beams and asymmetrical low beams, foglights; pneumatic headlamp range adjustment for laden or unladen car; parking lights; rear lights; braking lights; reversing lights; rear fog lamp; illuminated number plate; variable instrument illumination; Passenger compartment light with delay relay, door contacts and hand switch; reading light for front passenger; illuminated ash-tray, glove compartment, heating and ventilation controls.

#### Signalling system

Headlight flasher; self-cancelling indicators with fingertip contact for overtaking, operated by the combination switch on the steering column; horn; brake lights; hazard warning lights.

#### Locks

Wedge-pin locks on all doors; child-proof locks on the rear doors; boot lock; steering wheel lock combined with ignition lock, starter and starter non-repeat lock; master key for all locks on vehicle; secondary key for doors, fuel tank and steering wheel lock only.

#### Instruments

Instrument panel padded, yields on impact; speedometer; oil pressure gauge; fuel gauge; coolant temperature gauge; indicator lights for brakes, battery charge, direc-

tion indicators, high-beam and fuel reserve; brake pad wear indicator; quartz-crystal clock; mileage recorder; daily mileage recorder. Warning lights for engine oil, coolant and windscreen washer levels.

#### Miscellaneous

Oddments tray between the front seats; pockets on the front

doors; lockable glove compartment; panoramic rear-view mirror adjustable to anti-glare position; two heated exterior mirrors both adjustable from inside the car; padded sun visors, with vanity mirror on front passenger's side; grab handles on roof frame; clothes hooks on rear grab handles; padded armrests on doors, with grab handle on front passenger's side; cigar lighter; ashtrays front and rear;

carpeting throughout; towing lugs front and rear; warning triangle; first-aid kit in the parcel shelf.

## Model-specific standard equipment. Mercedes-Benz

### 190 D, 190 D 2.5, 190 D 2.5 TURBO, 190, 190 E, 190 E 2.3, 190 E 2.6

#### The diesel models:

##### Engine

190 D: Mercedes-Benz pre-chamber combustion principle; four-cylinder in-line engine, 1997 cc, 53 kW (72 hp) at 4600/min; automatic anti-stall control. 190 D 2.5: Mercedes-Benz pre-chamber combustion principle; five-cylinder in-line engine, 2497 cc, 66 kW (90 hp) at 4600/min; automatic anti-stall control. 190 D 2.5 TURBO: Mercedes-Benz pre-chamber combustion principle with exhaust gas turbocharging; five-cylinder in-line engine, 2497 cc, 93 kW (126 hp) at 4600/min; electronic idle speed control. In-line injection pump with automatic timing-advance unit; hydraulic valve clearance compensation; single-belt drive consisting of a poly-V-belt with automatic tensioner.

##### Transmission

190 D: Fully synchronised four-speed gearbox; floor shift; self-adjusting single dry-plate clutch. Optional extras: Mercedes-Benz five-speed gearbox or Mercedes-Benz four-speed automatic trans-

mission, also available with Tempomat (cruise control).

190 D 2.5: Fully synchronised five-speed gearbox; floor shift; self-adjusting single dry-plate clutch. Optional extra: Mercedes-Benz four-speed automatic transmission, also available with Tempomat (cruise control). 190 D 2.5 TURBO: Mercedes-Benz four-speed automatic transmission. Optional extra: Tempomat (cruise control).

##### Engine encapsulation

The engine and transmission are enclosed by body-supported encapsulation elements. Insulating matting under bonnet and on transmission tunnel. Rubber seals around the bonnet and headlights further reduce the emission of noise from the engine compartment.

##### Suspension

Optional extra: ASD available for all models except 190 D 2.5 TURBO.

##### Locks

Steering wheel lock combined with pre-heating unit.

#### The petrol-engined models:

##### Engine

190: Four-cylinder in-line engine, 1997 cc; carburettor; 75 kW (102 hp) at 5500/min. 190 E: Four-cylinder in-line engine, 1997 cc; mechanical/electronic fuel injection; 87 kW (118 hp) at 5100/min. 190 E 2.3: Four-cylinder in-line engine, 2299 cc; mechanical/electronic fuel injection; 97 kW (132 hp) at 5100/min. 190 E 2.6: Six-cylinder in-line engine, 2599 cc; mechanical/electronic fuel injection; 118 kW (160 hp) at 5800/min. Three-way catalytic converter with oxygen sensor; multi-functional mixture preparation and

ignition system; fuel cut-off on overrun; diagnosis socket; hydraulic valve clearance compensation; single-belt drive consisting of a poly-V-belt with automatic tensioner.

##### Transmission

190 and 190 E: Fully synchronised four-speed gearbox; floor shift; self-adjusting single dry-plate clutch. Optional extras: Mercedes-Benz five-speed gearbox or Mercedes-Benz four-speed automatic transmission, also available with Tempomat (cruise control). 190 E 2.3 and 190 E 2.6: Fully synchronised five-speed gearbox; floor shift; self-adjusting single dry-plate clutch. Optional extra: Mercedes-Benz four-speed auto-

matic transmission, also available with Tempomat (cruise control).

##### Brakes

Optional extra: ABS (standard on 190 E 2.6).

##### Locks

Optional extra: central locking system for all models (standard on 190 E 2.6).

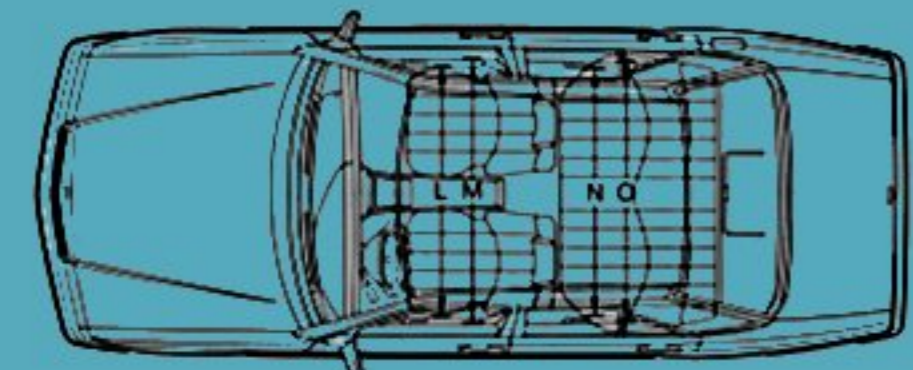
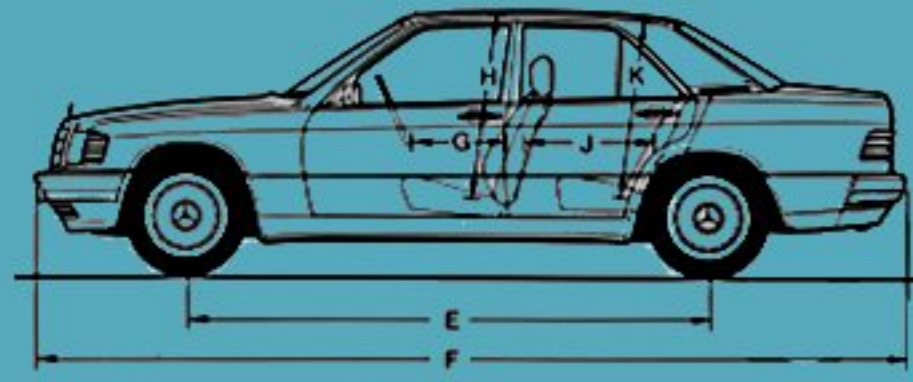
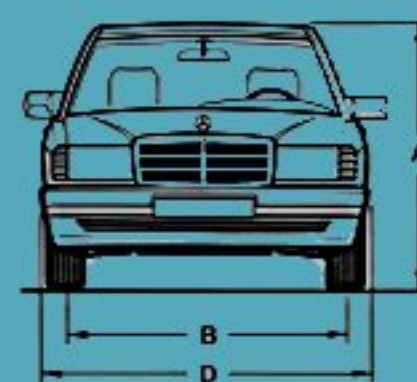
##### Instruments

Fuel consumption trend indicator. 190: rev counter optionally available. 190 E, 190 E 2.3 and 190 E 2.6: rev counter as standard.

## Dimensions

	190 D 2.5						
	190 D	190 D 2.5	TURBO	190	190 E	190 E 2.3	190 E 2.6
A Overall height	1390 mm	1390 mm	1390 mm	1390 mm	1390 mm	1390 mm	1390 mm
B Track width, front	1437 mm	1437 mm	1437 mm	1437 mm	1437 mm	1437 mm	1437 mm
C Track width, rear	1418 mm	1418 mm	1418 mm	1418 mm	1418 mm	1418 mm	1418 mm
D Overall width	1690 mm	1690 mm	1690 mm	1690 mm	1690 mm	1690 mm	1690 mm
E Wheelbase	2665 mm	2665 mm	2665 mm	2665 mm	2665 mm	2665 mm	2665 mm
F Overall length	4448 mm	4448 mm	4448 mm	4448 mm	4448 mm	4448 mm	4448 mm
G Steering wheel - driver's seatback <sup>1)</sup>	490 mm	490 mm	490 mm	490 mm	490 mm	490 mm	490 mm
H Seat height, front <sup>2)</sup>	965 mm	965 mm	965 mm	965 mm	965 mm	965 mm	965 mm
J Driver's seatback - rear seatback <sup>1)</sup>	665 mm	665 mm	665 mm	665 mm	665 mm	665 mm	665 mm
K Seat height, rear	934 mm	934 mm	934 mm	934 mm	934 mm	934 mm	934 mm
L Width at hip level, front	1296 mm	1296 mm	1296 mm	1296 mm	1296 mm	1296 mm	1296 mm
M Width at shoulder level, front	1360 mm	1360 mm	1360 mm	1360 mm	1360 mm	1360 mm	1360 mm
N Width at hip level, rear	1298 mm	1298 mm	1298 mm	1298 mm	1298 mm	1298 mm	1298 mm
O Width at shoulder level, rear	1352 mm	1352 mm	1352 mm	1352 mm	1352 mm	1352 mm	1352 mm
Boot space (VDA)	approx. 410 l	approx. 410 l	approx. 410 l	approx. 410 l	approx. 410 l	approx. 410 l	approx. 410 l

1) Measurements vary according to seat position.  
2) Driver's seat height varies according to seat position.



## Technical data. Mercedes-Benz 190 D, 190 D 2.5, 190 D 2.5 TURBO, 190, 190 E, 190 E 2.3, 190 E 2.6

	190 D 2.5			190				
	190 D	190 D 2.5	TURBO	190	190 E	190 E 2.3	190 E 2.6	
No. of cylinders	4	5	5	4	4	4	6	
Bore/stroke	87.0/84.0 mm	87.0/84.0 mm	87.0/84.0 mm	89.0/80.25 mm	89.0/80.25 mm	95.50/80.25 mm	82.9/80.25 mm	
Total displacement	1997 cc	2497 cc	2497 cc	1997 cc	1997 cc	2299 cc	2599 cc	
Max. net output <sup>1)</sup>	53 kW at 4600/min	66 kW at 4600/min	93 kW at 4600/min	K R	75 kW at 5500 min 77 kW at 5500 min	87 kW at 5100 min 90 kW at 5100 min	97 kW at 5100 min 100 kW at 5100 min	118 kW at 5800 min 122 kW at 5800 min
Max. net torque <sup>1)</sup>	123 Nm at 2800/min	154 Nm at 2800/min	231 Nm at 2400/min	K R	160 Nm at 3000 min 165 Nm at 3000 min	172 Nm at 3500 min 178 Nm at 3500 min	198 Nm at 3500 min 205 Nm at 3500 min	220 Nm at 4600 min 228 Nm at 4600 min
Compression ratio	22 : 1	22 : 1	22 : 1	9.1	9.1	9.0	9.2	
Engine oil capacity max/min	5.0/3.0 litres	5.5/3.5 litres	6.0/4.0 litres	4.8/2.8 litres	4.8/2.8 litres	4.8/2.8 litres	5.7/3.7 litres	
Capacity of cooling system	approx. 8.0 litres	approx. 8.0 litres	approx. 8.5 litres	approx. 8.5 litres	approx. 8.5 litres	approx. 8.5 litres	approx. 9.0 litres	
Generator	14 V/55 A	14 V/55 A	14 V/55 A	14 V/55 A	14 V/55 A	14 V/55 A	14 V/70 A	
Battery	12 V/72 Ah	12 V/72 Ah	12 V/72 Ah	12 V/62 Ah	12 V/62 Ah	12 V/62 Ah	12 V/62 Ah	
Max. speed	approx. 160 km/h	approx. 174 km/h	approx. 192 km/h	K R	approx. 183 km/h approx. 185 km/h	approx. 190 km/h approx. 195 km/h	approx. 197 km/h approx. 200 km/h	approx. 212 km/h approx. 215 km/h
Tyres	185/65 R 15 87 T	185/65 R 15 87 T	185/65 R 15 87 H	185/65 R 15 87 H	185/65 R 15 87 H	185/65 R 15 87 H	185/65 VR 15	
Fuel	diesel	diesel	diesel	premium	premium	premium	premium	
Fuel consumption <sup>2)</sup>	4-speed gearbox	5-speed gearbox	automatic transmission	K/R	4-speed gearbox 11.5/11.5 litres/100 km	4-speed gearbox 11.1/10.9 litres/100 km	5-speed gearbox 11.4/11.0 litres/100 km	5-speed gearbox 13.0/12.5 litres/100 km
Simulated urban driving	7.7 litres/100 km	8.6 litres/100 km	8.5 litres/100 km	K/R	7.0/ 6.8 litres/100 km	6.8/ 6.4 litres/100 km	6.5/ 6.3 litres/100 km	7.0/ 6.7 litres/100 km
Constant speed driving at 90 km/h	5.3 litres/100 km	5.5 litres/100 km	6.0 litres/100 km	K/R	8.9/ 8.6 litres/100 km	8.7/ 8.3 litres/100 km	8.2/ 7.7 litres/100 km	8.9/ 8.5 litres/100 km
driving at 120 km/h	6.9 litres/100 km	7.1 litres/100 km	7.9 litres/100 km					
Tank capacity incl. reserve	approx. 55 litres	approx. 55 litres	approx. 55 litres	approx. 55 litres	approx. 55 litres	approx. 55 litres	approx. 55 litres	
Turning circle diameter	approx. 10.6 m	approx. 10.6 m	approx. 10.6 m	approx. 10.6 m	approx. 10.6 m	approx. 10.6 m	approx. 10.6 m	
Kerb weight unladen <sup>3)</sup>	1180 kg	1230 kg	1300 kg	1160 kg	1170 kg	1220 kg	1270 kg	
Permissible gross weight	1680 kg	1730 kg	1800 kg	1660 kg	1670 kg	1720 kg	1770 kg	

The figures quoted here for output, torque, top speed and fuel consumption in cars with petrol engines apply to catalytic converter versions (K) and reconverted-version cars (pre-prepared for the subsequent installation of the catalytic converter) (R).

<sup>1)</sup> The output given in kW in accordance with EEC directive 80/1269 is effectively available at the clutch for driving the vehicle, any other power consumption has already been deducted.

<sup>2)</sup> Fuel consumption in accordance with EEC directive 80/1268 or DIN 70030 Part I. The fuel consumption figures quoted here have been ascertained by means of a standardised test procedure:

- a bench-test cycle simulating urban driving;
- bench-testing or practical testing on a dry, level road with a constant driving speed or equivalent of 90 km/h and 120 km/h.

This gives potential purchasers a basis for comparing different cars. Driving style, road and traffic conditions, environmental factors and the condition of the car will, in normal operation, result in figures which deviate from those ascertained by this standardised procedure.

Fuel consumption figures: diesel fuel in accordance with DIN 51 601; unleaded premium in accordance with DIN 51 607. (Reconverted-version cars can also operate on leaded premium in accordance with DIN 51 600.) If necessary, unleaded regular-grade petrol can be used (accounting for insignificant changes in output and fuel consumption).

Trailer load: Legislation varies in different countries. Your local dealer will be pleased to give you full information. Please ask for our special brochure.

<sup>3)</sup> The figure for kerb weight applies to standard specification cars. Extra equipment can increase the weight.

The information given in this brochure should be regarded as approximate. The standard equipment for cars quoted in this brochure applies to the Federal Republic of Germany. The illustrations may include optional extras which do not form part of the standard equipment.

The manufacturers reserve the right to make changes in design and specification.

The above-quoted figures were correct at the time of going to press on 1st July 1988.



**MERCEDES-BENZ**