

# ADVANTAGES S-CLASS



PRODUCT INFORMATION FOR THE MERCEDES-BENZ SALES ORGANISATION

06/2005

**Be Ahead.**  
**The new S-Class**



Mercedes-Benz

## Be Ahead. The new S-Class

No other vehicle evokes the leading role traditionally associated with the Mercedes-Benz brand more powerfully than the S-Class. It embodies the classic brand values yet also succeeds in setting new benchmarks with the pioneering innovations which accompany each new model generation. The outgoing 220 model series has been no exception. Throughout its extremely successful life cycle it has come to epitomise the qualities of the brand and has had a sustained, positive influence on the way Mercedes-Benz is perceived. It is now up to the new S-Class to maintain and extend this position – a role for which it is ideally equipped: with a new design idiom which radiates a sense



*S 500 with long wheelbase*

of absolute self-assurance plus an interior which feels extremely spacious and is characterised by outstandingly high perceived value. It also offers a very high level of comfort features to reduce driver stress, such as the new control and display concept, and an exemplary standard of safety thanks to a raft of innovative equipment features including the night view assist and the enhanced PRE-SAFE® system. Another powerful argument in favour of the new S-Class can be found in the comprehensive range of high-performance V6, V8 and V12 engines. Make way for a true leader: the new S-Class!



*COMAND controller*



*Chrome-surround highlight in the rear light unit*

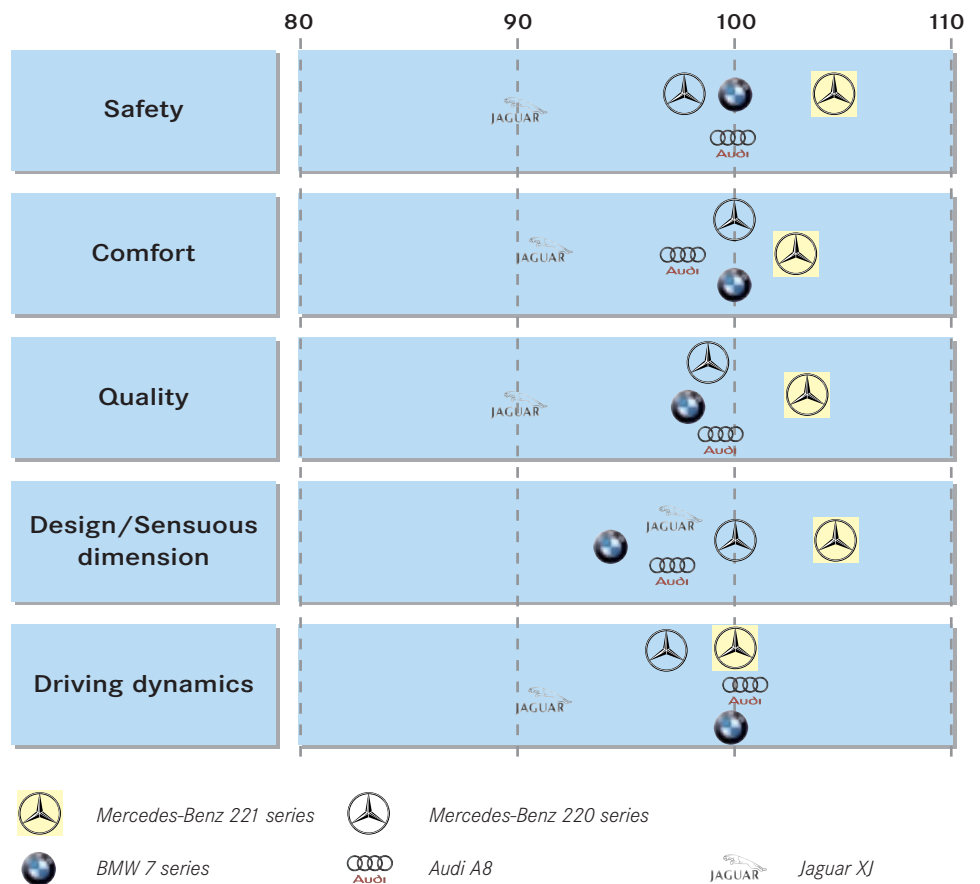
## A personality with all the qualities of a true leader

With its numerous innovative features, trend-setting vehicle concept and strong range of engines, top-ranking comfort, impressive sense of spaciousness and an interior characterised by outstandingly high perceived value, the new S-Class is set to consolidate the model series' leading position in the market and develop it even further.

### Positioning

With its larger exterior dimensions and new design vocabulary, the new S-Class has a self-assured and highly distinctive air, yet is still clearly identifiable as a member of the Mercedes-Benz family. Technical innovations in the field of safety, such as the night view assist, BAS PLUS and the enhanced COMAND system underline the role which the core brand values play in the positioning of the new model. The brand value "Safety" is reinforced in particular by the combination of driver-fitness safety and stress-relieving comfort. But the new S-Class also emphasises trend values. The powerful engines and chassis enhancements, for example, ensure exemplary driving dynamics whilst the high-quality materials and workmanship which characterise the interior appointments significantly enhance the overall driving experience. All these factors come together in a way which confirms the customer's perception that the S-Class is ahead in every respect.

### Positioning in the competitor environment



**History**

Ever since the early 1950s, the predecessors of the S-Class have regularly set new standards for the automotive industry with their pioneering innovations. 📄



187 series

**Market**

The S-Class segment is expected to continue to enjoy sustained growth in the future, especially in the non-Triad markets.



180 series

**Target groups**

By focusing on the core values of the brand, the new S-Class primarily addresses loyal Mercedes-Benz customers. 📄



111 series

**Competition**

The main competitors\* in the S-Class segment are:

- BMW 7 Series
- Audi A8
- Jaguar XJ

As all three vehicles have already been on the market for some time, the S-Class is ideally placed to secure an additional share of the market.



108 series

The core segment also comprises a number of other vehicles. However, these have a smaller market share.

These vehicles are as follows:

- Maserati Quattroporte
- VW Phaeton

\* The detailed information about the three main competitors which is available in ADVANTAGES online can now also be accessed by means of a direct link to the “Competitors” menu. 📄



116 series



126 series



140 series



220 series

**Confident, supremely assured and sensuous**

The new S-Class radiates confidence and self-assurance in every respect. Although it is unmistakably a member of the S-Class family line, the exterior styling has evolved significantly: its form, which seems almost to have been sculpted, is fuller, the surfaces are more generous, the lines more clearly drawn. Compared with the predecessor model, it has increased in all dimensions. The new S-Class therefore looks considerably more imposing and radiates an even greater sense of prestige and presence, not to mention dynamism. The interior, too, is on a larger scale and is unique in the feeling of spaciousness which it conveys. High-quality materials, perfectly coordinated forms and colours and an innovative control and display concept make travelling in the new S-Class a sensuous experience for all its occupants.





*Bi-xenon headlamps*



*Analogue clock in dashboard console*



*S 500 with long wheelbase*

### Front design – distinctive features

The characterful face of the new S-Class immediately attracts attention. It owes its powerful presence to a distinct V-shape, a large radiator opening with a three-dimensional radiator grille, a substantial bonnet divided by a longitudinal ridge, clearly defined headlamp contours and a powerful front bumper with a large air intake. The horizontal lines emphasise the width of the front and give the vehicle a solid, road-hugging stance. Overall, the front of the new S-Class makes a statement that is considerably more expressive and resolute than its softer-looking predecessor.

### Headlamps

The one-piece headlamps with their distinctive, linear shape have clear lenses and are drawn into the front wings whose circular edge contours are picked up in each lens. H7 projection-beam headlamps are fitted as standard for good road illumination. Bi-xenon headlamps including the Active Light System with cornering light function integrated in the main headlamp units are available as an optional extra.



S 350





#### Radiator grille

The distinctive radiator grille has always been a defining Mercedes-Benz feature. The radiator grille of the new S-Class both continues this tradition and marks another step in the evolutionary process: from two dimensions to three, a shift which makes it even more expressive. A powerful chromed frame and four chromed louvers add emphasis to the impressive statement made by the grille, as does the fact that it is 35 percent larger than that of the predecessor model. Another new feature: the Mercedes star is mounted on the radiator frame of the new S-Class.


#### Front bumper

The powerful front bumper has a large air intake whose visual impact is made all the more impressive by a dominant horizontal lip. Painted black on the V6 models, this lip is finished in the vehicle colour on the V8 models and above. The front fog lamps, which were integrated in the main headlamp units of the predecessor model, are housed in the bumper of the new S-Class where they echo the form of the main headlamps.

### Side design – muscular flanks

Viewed from the side, the new S-Class catches the eye with its flowing, arching roof line which forms a stylistic entity with the prominent shoulder line. A dynamic feature line rising from front to rear structures the extensive side surfaces elegantly and expresses a strong sense of forward thrust. The large door surfaces with oval handle recesses and handles with chrome trim elements are defining features of the lower part of the sides, as are the powerful-looking side skirts whose upper edge is finished with a chrome trim strip. Side rub strips are not fitted as they would detract from the harmony of the aesthetic statement. Thanks to the distinct projection of the wheel arches, the sides of the new S-Class also have a muscular quality. The wheels, whose designs and sizes vary in accordance with the engine size, fill out the wheel arches to lend a strong formal cohesion to the overall visual statement: the overall result is an extremely powerful, elongated body with perfect proportions, whether in long or short-wheelbase format.

### Wheels

The wheels add aesthetic and formal emphasis to the self-confident presence of the new S-Class. Various designs of 17" light-alloy wheels are fitted as standard to the V6 and V8 models while 18" light-alloy wheels are standard for the V12 model. Customers can also give their vehicles an added touch of individuality by choosing from a range of attractive 18" to 20" wheels which are available as optional extras and accessories. 



**Exterior mirrors**

The new, dynamically offset styling of the exterior mirrors gives them an even sportier look. The integral repeater indicators which made their debut in the predecessor model have now become one of the hallmarks of the brand. However, they have been implemented in a smaller and more elegant form in the new S-Class. Even when folded in, the exterior mirrors display an elegance not seen on competitor models.

**Chrome trim elements**

Distinctive chrome trim elements are a feature of the side view and create an overall impression of elegance and quality. At the same time, they serve to structure the side design. They comprise:


- A chrome frame around the entire side-window area
- A distinctive chrome trim strip on the side skirts and doors subdivides the side view horizontally
- Chrome highlights on the door handles



#### Rear wheel arches

In contrast to the circular lines of the front wheel arches, the arched line of the rear wheel arches opens out towards the rear, emphasising the dynamic side design.

#### Aerodynamics

With a drag coefficient ( $C_d$ ) of 0.26, the new S-Class manages to improve on the already excellent figure achieved by its predecessor, but does so despite having larger tyres and wheel arches. 



*S 350 with short wheelbase*

**Front wheel arches**

Sculpted with great attention to detail, the wheel arches are a masterpiece of design in their own right and complement the overall form of the vehicle by establishing a dynamic, yet harmonious connection between the front and sides. The sweeping, arched line of the front wheel arches is picked up in the design of the headlamps.

**Boot lid**

A defining styling element of the side and rear views of the new S-Class is the elegant boot lid which contributes to the muscular overall impression created by the rear of the vehicle.



### Rear design – a powerful conclusion

The voluminous rear is the stylistic counterweight to the powerful appearance of the front section. The interplay between curved surfaces, striking lines and light-breaking edges develops from the front and through the sides before reaching a successful conclusion at the rear where the V-shaped pattern of the boot-lid edges stands out as a typical Mercedes-Benz styling cue. Integrated harmoniously into the lines of the body, the all-new rear light units and the powerful bumper round off the pleasing and stylish rear section.

#### Tail lights

The rear light units are an all-new design. Two chrome-surround high-lights finished in the vehicle colour are integrated into them in order to emphasise the width and elegance of the vehicle. Complemented by the characteristic Mercedes-Benz horizontal structure of the red-white-red rear light lenses, these elements also help to reduce the impression of height. The tail lights, brake lights and the third brake light, which is integrated discreetly in the parcel shelf, feature high-quality LED technology which is also visually attractive.



**Roof aerial**

The roof aerial is finished in the vehicle colour. Long-wheelbase versions of the S-Class equipped with the optional panoramic sunroof are always equipped with a black aerial.


**Boot lid and rear bumper**

The boot lid of the new S-Class bulges slightly over the side shoulder line before dropping down from a crease line. A chrome trim strip which runs over the recess for the number plate divides the rear visually and emphasises its width. The powerfully dynamic rear bumper also emphasises the width of the car at the rear. The sides of the bumper pick up the arc-shaped edges of the rear wings.





**Premium-class travel**

The innovative interior architecture of the new S-Class is a feast for the eyes. Horizontal elements and lines create a sense of visual depth and a composed formal idiom. The perfectly coordinated material and colour concept makes for an extremely cohesive interior. Fine materials and design elements set the tone. The extremely high-quality PASSION and Exclusive PASSION leather appointments are offered as an alternative to the regular leather appointments for the first time in the new S-Class. Particularly extensive use is made of wood on the dashboard. As a consequence of the new control and display concept, the controls for the different vehicle functions have been combined logically to form new control clusters. Other factors which make a particular contribution to the high-quality look and feel of the interior include metallised controls and real aluminium switches which contrast extremely effectively with the “black- panel” technology used on the dashboard. The theme of formal clarity is picked up by the new seats whose comfort is expressed in visual form by their styling. All these characteristics combine to ensure that the new S-Class is ideally placed to convince what is an extremely demanding customer group of its excellent all-round comfort and spaciousness. 



*Rear door centre panel*




*Driver's door centre panel*

**Doors**

The role of the new doorhold becomes obvious as soon as the doors are opened. Rather than stopping only at predetermined detent points, the doors can be stopped securely at any point in the opening arc. As on the predecessor model, a power closing function for all doors is available as an optional extra. Functions such as door locking/unlocking, seat adjustment, window opening/closing, exterior mirror adjustment and remote boot lid release are to be found in various control clusters.

The interior also features:

- Extensive wood trim elements with a chrome trim strip
- Optional ambient lighting in the wood trim elements (standard for S 600)
- An armrest with a chromed release button which provides access to the stowage compartment below (front only)
- Locking pins with chromed surrounds 

*Appointments: Exclusive PASSION leather in sahara beige, trim elements in dark burr walnut (high-gloss)*

### Dashboard

The new control and display concept has had a major influence on the design of the entire cockpit. Although the formal design of the new S-Class acknowledges the predecessor model's sweeping instrument panel with its high-quality look and feel and the sense of security which was such a defining characteristic of the outgoing S-Class, these features have undergone considerable functional development (see "Vehicle concept"). The principal design features of the dashboard include:

- Extensive use of wood and chrome trim elements
- An instrument cluster with segment-type dials and a display-screen speedometer
- An 8" COMAND display mounted higher up
- A new-look control panel for the climate control
- A high-quality analogue clock between the central air vents



*Appointments: Exclusive PASSION leather in sahara beige, trim elements in dark burr walnut (high-gloss), wood/leather steering wheel*

**DIRECT SELECT steering-wheel gearshift buttons and DIRECT SELECT lever**

Like the new M-Class, the new S-Class is equipped with the DIRECT SELECT steering-column gearshift instead of a selector lever on the centre console. Manual gear selection is also possible in the new S-Class by means of shift buttons on the back of the steering wheel. As well as freeing up space on the centre console for the COMAND

controls and further stowage facilities or cup holders, this arrangement makes the cockpit feel considerably more spacious overall.



**Instrument cluster**

The central element of the newly developed instrument cluster is a speedometer scale which appears on an 8" TFT display. When the night view assist (optional extra) is active, the TFT display is used to show the image from the camera, the speed appearing on a horizontal speedometer scale below the picture. Other vehicle functions and settings are also shown on this display, including:

- **New:** PARKTRONIC
- Various warning lights

- Trip odometer and regular odometer
- **New:** main menu for the multifunction display (called up using the multifunction steering wheel)

The other elements of the instrument cluster are:

- Extreme left: analogue 120°-segment coolant temperature display
- Mid-left: analogue 120°-segment fuel gauge
- Right: analogue 120°-segment rev counter



**Dashboard console and centre console**

Major features of the new-look dashboard console and new-look centre console (from top to bottom):

- An 8" COMAND display with shroud
  - Two central air vents with an analogue clock between them
  - New, separate control panel for the climate control system
  - Data-carrier slot with soft-touch-opening lid
  - Stowage compartment or ashtray with lid (optional)
  - Stowage compartment with soft-touch-opening lid or double cup holder with lid (optional)
- COMAND controls with central COMAND controller in aluminium and, above this, COMAND function buttons for important COMAND and vehicle functions
  - Ergonomically shaped handrest
  - Stowage compartment (with two-way opening function) for telephone under armrest, this compartment is situated above an
  - Air-conditioned stowage compartment (not available in combination with optional climate control system for rear seats)

**Overhead control panel**

Depending on the scope of the vehicle equipment, some or all of the following functions are to be found in the stylishly designed overhead control panel:

- Various lights and controls for the interior lighting of the vehicle
- Controls for the tilting/sliding sunroof (optional, standard for long-wheelbase version) or panoramic sunroof (optional, only available for long-wheelbase version)
- Switch for the rear roof blind (if optional panoramic sunroof is specified)
- Spectacles compartment with soft-touch-opening lid
- Garage-door opener integrated in rear-view mirror (optional)
- Microphones for hands-free system (optional) and LINGUATRONIC (optional) on rear-view mirror




**Controls in black-panel design**

The aluminium switches and controls which contrast extremely effectively with the "black-panel" technology used on the dashboard make a particular contribution to the high quality look and feel of the interior. The switches are situated on a dark, transparent plastic surface which is backlit.



**Stowage facilities**

A large number of carefully designed cockpit and rear stowage facilities with well thought-out details contribute to the high level of comfort offered by the new S-Class. New features not found in the predecessor model include stowage compartments with hinged covers in both front doors and a spectacles compartment with a soft-touch-opening lid in the overhead control unit. 

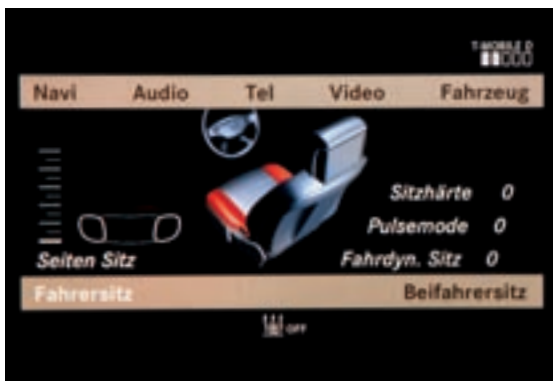




Appointments: black leather, trim elements in burr walnut (silk matt)

**Get in and get comfortable: the seats**

Inviting, comfortable and of the finest quality – that’s the verdict based on the mere look of the seats. Contemporary, yet timeless: the horizontal and vertical structuring of the front and rear seat cushions and backrests. Practical: the independent seat cushion extension feature. Elegant: the elaborate decorative double seams of the leather upholstery. A harmonious match: the shape of the head restraints. Comfortable: the ergonomic design of the seats. These characteristics reflect the fact that the seats of the new S-Class have undergone a significant enhancement compared with the already high standard set by the predecessor model.




**Ergonomically shaped front seats**

The structure of the two front seats with the PRE-SAFE® positioning function and wide side bolsters offers not only a high level of comfort, but also particularly good lateral support and thereby contributes to comfort through stress relief. The controls and the door handles are integrated in the doors in an attractively styled control cluster which offers a higher level of operating comfort and safety than the arrangement in the predecessor model. Customers can also specify a range of optional extras, including luxury seats, multicontour seats and dynamic multicontour seats with a sophisticated massage function. In another first for the new S-Class, these functions (massage, contour adjustment, dynamic contour adjustment) are controlled via COMAND with the individual functions appearing clearly on the COMAND display. ■■

### Rear seats

Extremely comfortable seating accommodation is provided by the standard rear bench seat, too. The shape of the two outer seats corresponds to that of the front seats. Rear-seat passengers will also find the controls for the electric seat adjustment function (optional, standard for long-wheelbase version) in the doors. The folding centre armrest contains a large stowage compartment. A double cup holder is also provided for the rear passengers. The range of optional extras includes:

- **New:** “individual-look” rear seats
- **New:** multicontour rear seats
- **New:** luxury rear head restraints 



*Rear bench seat with electrically adjustable outer seats including PRE-SAFE® positioning function*



### More choice: designo

Buyers can custom-configure their vehicles with an exclusive designo range for the new S-Class. The range of individual finishes and interior appointments which is even wider than that for the predecessor model – and includes designo natural leather (a first for Mercedes-Benz) – will be available from the first quarter of 2006. It comprises:

- 13 designo metallic paint colours
- designo seats with distinctive ten-rib vertical fluting, double topstitching and a designo metal badge
- Single-tone designo aniline leather or single-tone designo Exclusive aniline leather, both in ten colours
- **New:** single-tone designo natural leather or designo Exclusive natural leather, both in four colours
- **New:** two designo appointments packages (coordinated combinations of designo aniline leather, designo trim elements and Alcantara roof lining)
- designo trim elements in two types of wood, two types of stone and piano lacquer
- Steering wheel in leather/designo wood
- designo Alcantara roof lining in a choice of three colours







*New-look designo badge*



*Handrest in designo black piano lacquer (exclusive for S 600)*

*Appointments: single-tone designo Exclusive aniline leather in pastel yellow (X 12), trim elements in designo black piano lacquer (W 69)*



**Single-tone designo aniline leather or single-tone designo Exclusive aniline leather, both in ten colours**

Based on the black PASSION leather appointments, the single-tone designo aniline leather package comprises the following features:


- Seats in designo aniline leather (designo colour) with ten-rib vertical fluting, double topstitching and designo metal badge in front and rear backrests
- Seat side and seatback coverings as well as ruffled pockets in unembossed black leather
- Front armrest lid in designo leather (designo colour)
- Door armrests in designo leather (designo colour)

- Velour floor mats in black with edging in black designo leather and designo metal badge
- Roof lining, A/B/C-pillar trim and sun visors in black circular-knit velour

The single-tone designo Exclusive aniline leather appointments package includes the following additional features:

- Lower section of dashboard in designo leather (designo colour)
- Door centre panels in quilted designo leather (designo colour)
- Roof lining, A/B/C-pillar trim and sun visors in anthracite Alcantara

**Single-tone designo natural leather or designo Exclusive natural leather, both in four colours**

The single-tone designo natural leather and designo Exclusive natural leather appointments have the same features as the single-tone designo aniline leather and designo Exclusive aniline leather appointments, based on the black PASSION leather appointments. The natural-grain, open-pore surface makes these natural leather appointments extremely soft and pleasant to the touch as well as ensuring breathability. As anyone who has ever bought exclusive leather furniture will know, the leather develops its own very unique character over time. 



*Appointments: single-tone designo Exclusive aniline leather in pastel yellow (X 12), trim elements in designo black piano lacquer (W 69)*

## 13 designo metallic paint colours

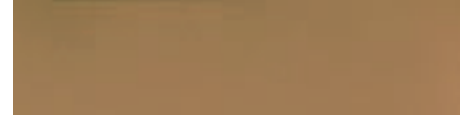
Single-tone designo aniline leather or  
single-tone designo Exclusive aniline  
leather, both in ten colours



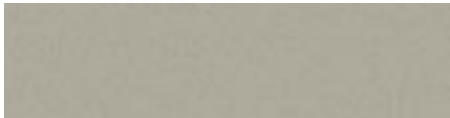
- *designo brilliant black (025)*



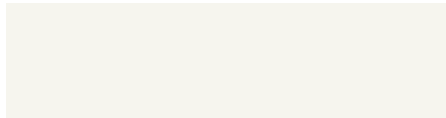
- *designo mystic red (037)*



- *designo sand (X10)*



- *designo silver (029)*



- *designo mystic white (038)*



- *designo pastel yellow (X12)*



- *designo chromaflair 1 (dark blue/purple) (031)*



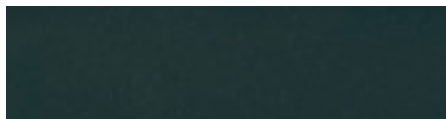
- *designo mauritius blue (039)*



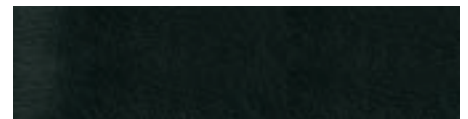
- *designo mystic red (X13)*



- *designo mystic blue (032)*



- *designo graphite green (041)*



- *designo graphite green (X14)*



- *designo mocha black (033)*



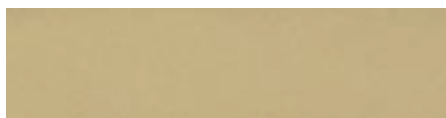
- *designo havana (042)*



- *designo porcelain (X27)*



- *designo varicolor 3 (green/gold) (034)*



- *designo chablis (043)*



- *designo mid orion grey (X29)*



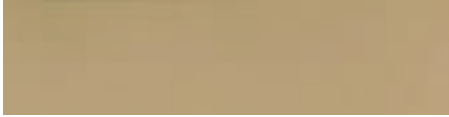
- *designo varicolor 4 (grey/blue) (036)*



- *designo marron (X31)*

**Single-tone designo natural leather or designo Exclusive natural leather, both in four colours**

**designo trim elements**



• designo chablis (X32)



• designo black (X01)



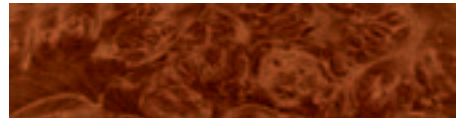
• designo matt natural oak grain (W21)



• designo corteccia (X49)



• designo marron (X02)



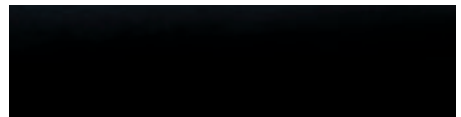
• natural maple grain (W64)



• designo armagnac (X07)



• designo corteccia (X03)



• designo black piano lacquer (W69)



• designo royal blue (X05)



• designo labrador blue pearl stone (W72)



• Star galaxy stone (W73)

**designo trim parts**

- designo matt natural oak grain (W21)
- natural maple grain (W64)
- designo black piano lacquer (W69)
- designo labrador blue pearl stone (W72)
- Star galaxy stone (W73)

designo stone trim components are always fitted in combination with trim elements in black piano lacquer. The following features are finished in stone:

- Trim strips below the centre-console armrest
- Handrest above controller
- Rear cover of centre console

**Further designo options**

- Steering wheel in leather/designo wood (Y95)
- designo Alcantara roof lining in choice of three colours: anthracite (Y83), cashmere beige (Y89) or alpaca grey (Y85)



*designo black piano lacquer in the front-passenger door centre panel*



*Additional appointments for S 600: trim elements in armrest and handrest in designo black piano lacquer*

**For the sporting elite: AMG**

Available from market launch, the following AMG optional extras lend the exterior of the new S-Class a particularly sporty, powerful and dynamic character:

- AMG bodystyling
- 19" AMG 5-spoke light-alloy wheels

The following additional options will be offered to coincide with the market launch of the S 600 in the first quarter of 2006:

- 20" AMG 5-spoke light-alloy wheels

Note: we shall inform you about the successors to the S 55 AMG and S 65 AMG in due course.



*AMG bodystyling and 20" AMG light-alloy wheels*

*S 350 with AMG bodystyling and 19" AMG light-alloy wheels*



#### **AMG bodystyling (optional)**

Sports-oriented customers can use the powerful design features of the AMG bodystyling package developed by Mercedes-AMG in order to add even greater emphasis to the dynamic character of the new S-Class. It comprises:

- Front apron with enlarged air intakes and chrome surrounds for fog lamps
- Side skirts
- Rear apron with one chromed AMG tailpipe on each side (exceptions: diesel versions and S 600 which have standard tailpipes)

#### **AMG light-alloy wheels (optional)**

Further sporty highlights are provided by the AMG light-alloy wheels which are optionally available for all model versions in two sizes:

- 19" 5-spoke AMG light-alloy wheels, high-sheen (front: 8.5J x 19 ET 43 with 255/40 R 19 tyres, rear: 9.5J x 19 ET 43 with 275/40 R 19 tyres)
- 20" 5-spoke AMG light-alloy wheels, painted sterling silver (front: 8.5J x 20 ET 43 with 255/35 R 20 tyres, rear: 9.5J x 20 ET 43 with 275/35 R 20 tyres), available from the 1st quarter of 2006

## The future has begun

In order to be the market leader, it is necessary to recognise new developments earlier than the competition. The S-Class has always demonstrated the technological far-sightedness of Mercedes-Benz and has given the brand the authority and self-assurance to defend and develop its position as the market leader of the high-end segment. And the new S-Class is no exception. Innovative technological solutions which are a step ahead of the competition and which underline the traditional brand values of safety, quality and comfort, help make it a convincing vehicle concept. The key features of the vehicle concept include:

- The new, intelligent control and display concept for a high degree of stress-relieving comfort
- Technical innovations such as the night view assist, DISTRONIC PLUS, BAS PLUS, ADAPTIVE BRAKE and the modified PRE-SAFE® system
- A wide range of powerful engines, including the new generation of V8 engines

*Activated night view assist shown on the multifunction display*







*DIRECT SELECT lever*



*Perforated front brake disc (standard)*



### Evolution of the cockpit

A high-tech vehicle like the S-Class raises the question of how to keep the controls simple for the driver despite the very large number of vehicle features. The answer is to be found in the form of an intelligent control and display concept which was developed from scratch for the S-Class. This system achieves the following objectives:

- Minimise the complexity of the task of controlling different vehicle functions
- Increase comfort as well as operating safety and driver-fitness safety
- Provide direct access to frequently used functions by means of switches and function buttons
- Group together related functions in control clusters
- Position switches ergonomically in close proximity to the feature they govern
- Avoid the drawbacks associated with our competitors' systems



#### Elements of control and display concept

1. Control clusters in the doors with controls for the door, seat adjustment and side windows etc.
2. Control cluster for light with controls for the night view assist (optional)
3. Multifunction steering wheel with new D-pads
4. 8" multifunction display in the instrument cluster
5. DIRECT SELECT lever and shift buttons on steering wheel
6. Pivoting 8" COMAND display integrated in the dashboard
7. Control panel for climate-control system on the dashboard console
8. Data-carrier slot (PCMCIA slot, CD/DVD player or CD/DVD changer (optional)) under soft-touch-opening lid
9. COMAND controller with COMAND function buttons on the centre console
10. Telephone keypad under the handrest (if optional telephone is specified)



#### New COMAND system

One of the main innovations in the control and display concept of the new S-Class is the comprehensively enhanced COMAND system. It allows the driver to exercise control over key vehicle functions intuitively and easily by means of the COMAND controller situated on the centre console, which can be moved horizontally and vertically as well as turned. Above this is an ergonomically shaped handrest. The selected functions and settings appear on the large, pivoting COMAND display at the top end of the dashboard console.



#### Integrated telephone keypad

In vehicles equipped with the optional mobile phone or pre-installation for a telephone, the ergonomically shaped handrest of the COMAND controller functions as a cover, under which a telephone keypad is housed. The buttons are used exclusively for operating the phone.



#### Door-mounted control unit

As well as housing the door handle and the switches for locking and unlocking the door, the newly designed control cluster accommodates the switches for electric seat adjustment, the memory function and the Luxury seat function. Another control cluster on the armrest brings together the switches for operating the side windows, the exterior mirrors and the boot lid. The controls for the blinds on the rear side windows (optional) are also housed in this cluster.



#### New light switch

In vehicles equipped with the optional night view assist, the completely redesigned "Light" control cluster has a button to activate this system in addition to the usual functions. When the night view assist is active, the greyscale image appears in place of the speed reading on the multifunction display of the instrument cluster. The speed is then shown as an electronic bar-graph at the bottom edge of the display.

**The new control and display concept**

In order to minimise complexity while maximising operating comfort and driver stress relief as well as creating a more spacious, well-organised cockpit layout, the control and display concept of the new S-Class differs from that of its predecessor as follows:

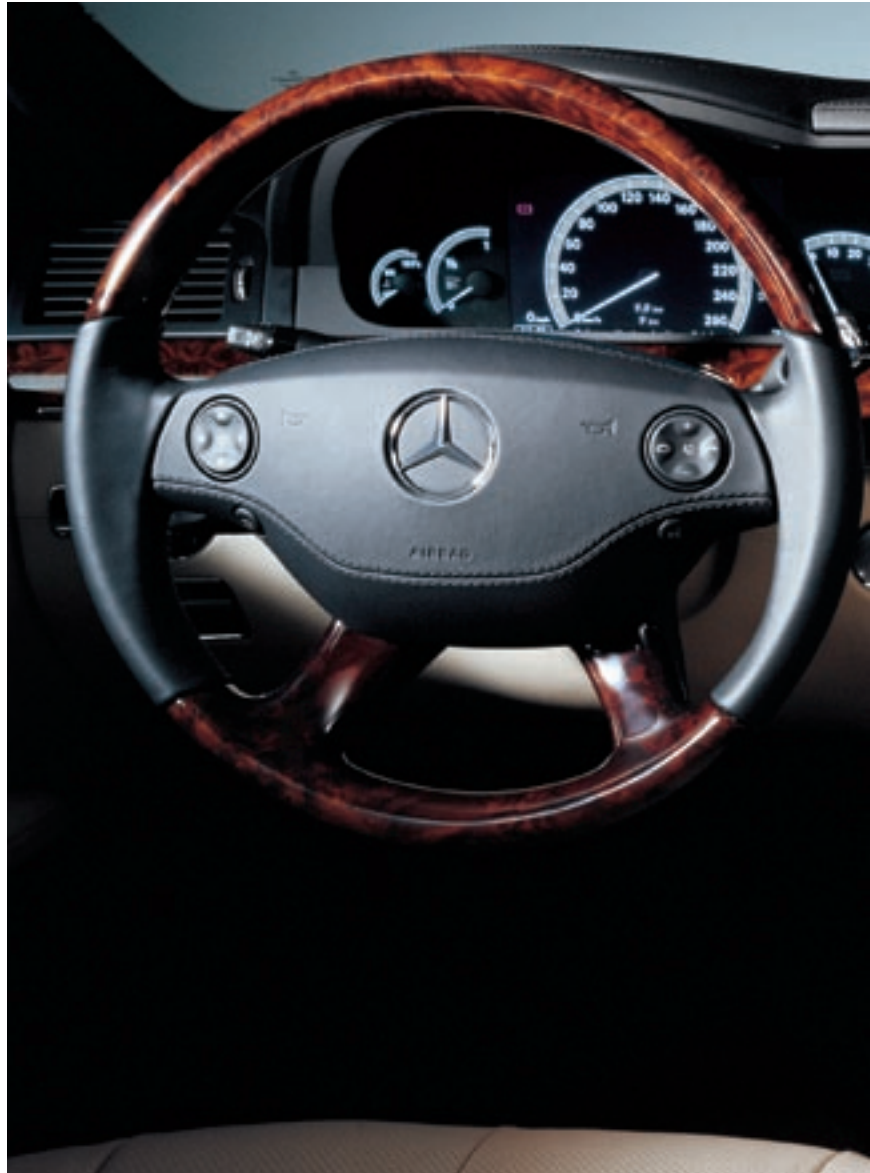


As before, the instrument cluster contains a multifunction display, although the 8" version in the new S-Class is considerably larger than that of the predecessor model. The speedometer is shown on the display (in virtual form), as are various vehicle functions and, in vehicles equipped with the optional night view assist, the greyscale image. The advantage of this is an even better and clearer image.

Making its debut in the new S-Class, the control system for the new four-spoke multifunction steering wheel features two D-pads:

- Left D-pad: horizontal navigation of main menus, vertical navigation of submenus, central OK button (for confirmation) above a Back button
- Right D-pad: four-way horizontal and vertical control (answer/hang up phone and “+”/“-”), central mute function above a button for LINGUATRONIC (optional)

The horn and driver airbag are also integrated in the steering wheel.





The COMAND display, which can be pivoted towards the driver or front passenger, has moved upwards and is now fitted under a shroud to the right of the instrument cluster in order to minimise the extent to which the driver's gaze is diverted from the road.



The DIRECT SELECT lever is located near the steering wheel whilst the DIRECT SELECT shift buttons for manual gear changes can be found on the back of the steering wheel.



The COMAND functions are accessed by means of a substantial COMAND controller of the finest quality. Immediately in front of the COMAND controller are four function buttons for direct access to the disc/radio, Home, multicontour seat and telephone/navigation functions. The following functions are situated immediately to the left of the COMAND controller:

- S/C/M mode button
- Folding rear head restraints
- Programmable "favourite" button

The following functions are situated immediately to the right of the COMAND controller:

- COMAND on/off
- Volume controller
- Mute function


### New generation of V8 engines

The petrol engine line-up for the new S-Class comprises a V6, a new V8 unit and a V12. A V6 diesel engine is also available. The S 500 model is the first Mercedes-Benz vehicle to be fitted with examples of the new-generation M 273 V8 petrol engine. Compared with its predecessor, it offers considerably higher output and torque, yet the new powerplant's reduced noise emissions, smoother running and compliance with the EU 4 exhaust emission standard also make it a compelling choice. At launch, in autumn 2005, two S-Class models will be available: the S 350 and S 500. The S 600 and S 320 CDI will follow in the first quarter of 2006.



### New: S 500


The market launch of the new S-Class in autumn 2005 will see the new generation of V8 petrol engines make its debut in the S 500. The new M 273 powerplant takes over from the M 113 engine series which was used in the predecessor model. Its significantly increased displacement (+ 495 cc), output (+ 60 kW) and torque (+ 70 Nm) translate into even more impressive performance than that offered by the predecessor model. The principal performance characteristics are:

- V8, 5461 cc, 285 kW at 6000 rpm
- Maximum torque 530 Nm at 2800 – 4800 rpm
- 4-valve technology, continuous intake and exhaust camshaft adjustment
- Lightweight crank assembly
- Large-volume, close-coupled catalytic converter for reduced emissions
- Meets EU 4 exhaust emission standard 



**S 350**


Already implemented with great success in other model series, the M 272 V6 petrol engine replaces the previous M 112 V6 powerplant. It compares favourably, offering:

- Higher output: 200 kW at 6000 rpm (+ 20 kW)
- High peak torque: 350 Nm at 2400 – 5000 rpm
- Compliance with the EU 4 exhaust emission standard 



**S 600**


The extremely high-performance M 275 series V12 petrol engine installed in the outgoing model has been retained and is EU 4-compliant. Slight modifications have been made, including:

- Rated output increased from 368 kW to 380 kW at 5000 rpm
- Peak torque increased from 800 Nm to 830 Nm at 1800 – 3500 rpm 



**S 320 CDI**

The new V6 diesel engine from the new OM 642 engine series which is already available in other model series will also be used for the new S-Class. The principal characteristics of the S 320 CDI are:

- Third-generation common-rail direct injection
- Highly impressive power output (170 kW, + 20 kW) and torque (540 Nm, + 40 kW)
- Low specific fuel consumption
- Very low engine weight for agile performance
- Compliance with the stringent EU 4 exhaust emission standard (diesel particulate filter fitted as standard) 








### 7G-TRONIC transmission with new DIRECT SELECT gearshift

The DIRECT SELECT gearshift which was first implemented in the new M-Class in combination with 7G-TRONIC also ensures a high standard of shifting comfort and optimum agility in the new S-Class where it is fitted as standard. It is entirely up to drivers to choose whether to leave the gear changes to the automatic transmission or to change gear themselves by means of the DIRECT SELECT shift buttons on the steering wheel. DIRECT SELECT is ideally matched to the powerful engines of the new S-Class and thus offers an excellent balance of sportiness, comfort and economy.

#### 7G-TRONIC automatic transmission

The 7G-TRONIC automatic transmission has seven forward ratios. This design is able to provide the optimum gear ratio for practically every driving situation by responding to small changes in engine speed. As a result, the electronic transmission control system has even greater scope for optimising the control processes in order to enhance fuel consumption, comfort and responsiveness even further. 



#### DIRECT SELECT lever and DIRECT SELECT shift buttons on the steering wheel

The 7G-TRONIC automatic transmission is operated by means of the DIRECT SELECT lever situated on the steering column within easy reach of the steering wheel. This is used to preselect the familiar P, R, N and D automatic settings. With the lever in the D position, the driver has the option of selecting shift ranges manually by means of the DIRECT SELECT shift buttons situated on the back of the upper spokes of the steering wheel.



#### S/C/M mode button

A button on the centre console allows the driver to choose one of three modes: "S" (Sport), "C" (Comfort) or "M" (Manual). The active mode is indicated on the instrument cluster and influences the transmission, engine and chassis/suspension settings. New: if "S" mode is selected, the car is automatically lowered by 15 mm.





### Dynamic performance or high comfort? How about both?

With its perfectly matched components, the chassis of the outgoing model solved a familiar conflict in impressive style by providing excellent handling dynamics on the one hand and outstanding ride comfort on the other. The chassis components for the new S-Class have evolved even further and raise the technological standard yet another notch higher:

- **New: ADAPTIVE BRAKE**
- Optimised AIRMATIC electronically controlled damping system
- Active Body Control ABC (optional)
- Automatic self-levelling suspension
- Enhanced four-link front suspension
- Enhanced multi-link independent rear suspension
- Speed-sensitive power steering



#### ADAPTIVE BRAKE

The new S-Class sees the first implementation of the new ADAPTIVE BRAKE with HOLD function and hill start assist. Its comfort and safety-related functions include:

- The HOLD function which holds the car stationary without the driver needing to stay on the brake pedal
- Hill start assist, which prevents the vehicle from rolling back (against the selected gear) while the driver's foot switches from the brake pedal to the accelerator
- Brake drying, which removes the film of moisture which accumulates on the brake discs in wet conditions and thus reduces the braking distance when the brakes are then applied
- Priming, which causes the brake pads to be brought into slight contact with the brake discs as soon as the driver's foot is abruptly removed from the accelerator, once again helping to reduce the braking distance when the brakes are then applied ■■




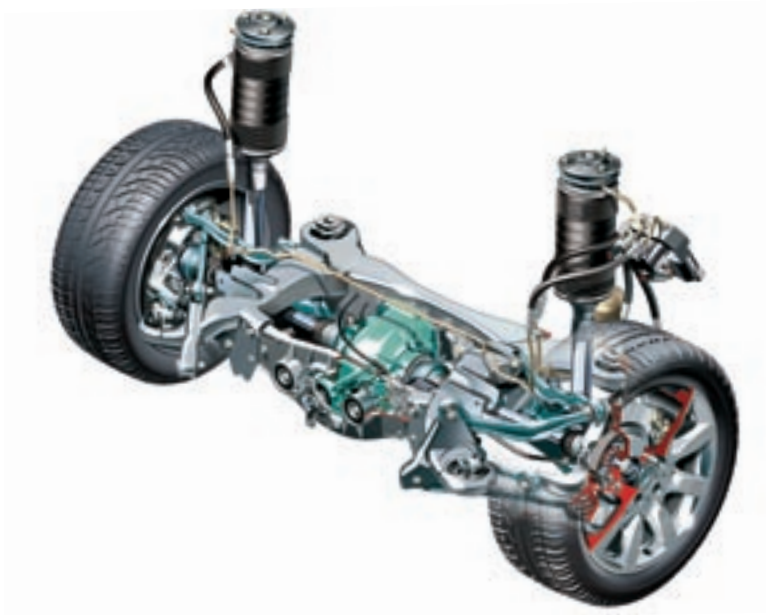
#### New: electric parking brake

Operated easily and reliably by means of a push-button below the light switch, the standard-fit electric parking brake enhances operating comfort and convenience significantly. This system replaces the manual parking brake pedal, thereby freeing up space in the footwell. Customers will also appreciate the fact that only minimal effort is required to operate the push-button. ■■




### Front suspension and steering

The four-link front suspension that was a feature of the outgoing model has been further enhanced to ensure even lower road roar and tyre vibration as well as even more precise wheel location. Extreme precision is also a forte of the speed-sensitive power steering system. The steering wheel is electrically adjustable for axial position and height. An entry/exit aid, which can be deactivated if required, is also included as standard. 



### Multi-link independent rear suspension

The multi-link independent rear suspension, which offers outstanding wheel-location qualities, has also been enhanced, each component having been further optimised with a view to improving functioning (less tendency to oversteer, lower road roar and tyre vibration, improved handling dynamics) and reducing weight (increased use of aluminium). 




*18" 9-spoke light-alloy wheel*

### Wheels

The new S-Class is equipped with the following wheels as standard:

- 17" 7-spoke light-alloy wheels for the V6 versions
- 17" 5-spoke light-alloy wheels for the V8 versions (optional for the 6-cylinder versions)
- 18" 5-spoke light-alloy wheels for the V12 version

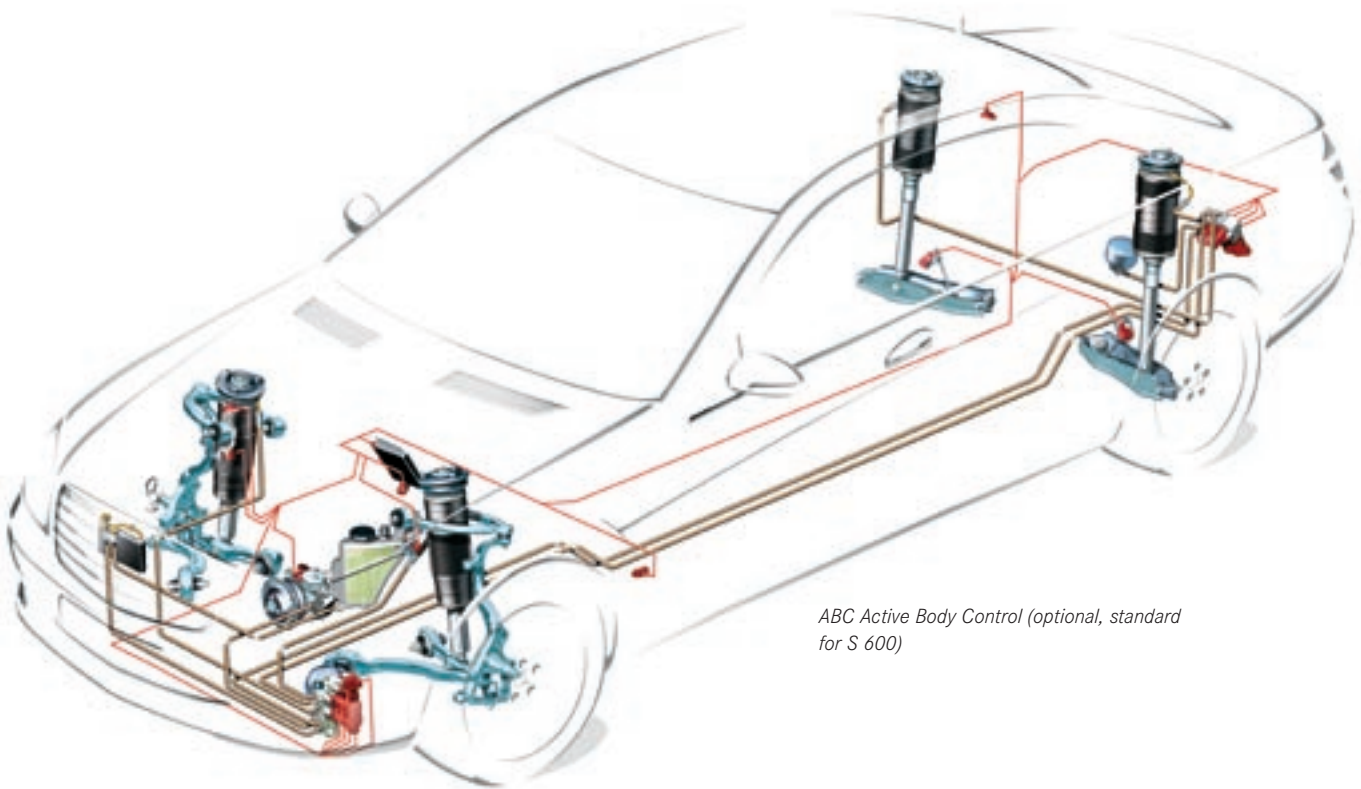
The following options are available:

- 18" 5-spoke light-alloy wheels for the V6 and V8 versions
- 18" 9-spoke light-alloy wheels for the V6 and V8 versions
- 19" multi-spoke light-alloy wheels for all engine versions
- 19" AMG 5-spoke light-alloy wheels for all engine versions
- 20" AMG 5-spoke light-alloy wheels for all engine versions (from 1st quarter of 2006) 

### AIRMATIC

The standard-specification AIRMATIC system now offers even greater agility and comfort following further optimisation measures including retuned shock absorber characteristic curves that are degressive rather than linear, thus ensuring an appropriate degree of stiffness. Furthermore, the new S-Class is the latest model series to feature the familiar all-round self-levelling suspension system which keeps the vehicle at a constant height regardless of the vehicle load. At high speed, the car is lowered automatically in order to improve handling

dynamics, aerodynamics and fuel consumption. On poor surfaces, the driver simply has to press the level-control button to increase the ground clearance by 30 mm. As before, ADS – the integrated Adaptive Damping System – allows the driver to choose comfort or sport settings at the push of a button although, in the new S-Class, this is by means of the new S/C/M button. New: if “S” mode is selected, the car is automatically lowered by 15 mm. ▶



*ABC Active Body Control (optional, standard for S 600)*

### ABC Active Body Control (optional)

The familiar Active Body Control (ABC) system is available as an optional extra for the new S-Class (standard for the S 600). This system allows outstanding handling dynamics without compromising on comfort thanks to a combination of active control and passive damping. Like AIRMATIC, ABC includes all-round self-levelling suspension with the same functions. ▶

## **New standards in automotive safety**

In the field of safety, in particular, the S-Class has regularly set new standards for the automotive sector. In order to give more prominence to the comprehensive safety features and measures, Mercedes-Benz has restructured the topic of safety across all its model series to coincide with the market launch of the new S-Class. In future, all aspects of safety will be grouped together within PRO-SAFE™ which covers systems which come into play before and after an accident, active and passive safety measures as well as the general safety philosophy of Mercedes-Benz. As a result of innovations and the further development of existing systems, the new S-Class points the way to the future of automotive safety technology with an impressive range of PRO-SAFE™ characteristics.



The measures contributing to the high standard of safety offered by the new S-Class include:

- **New:** night view assist (optional)
- **New:** DISTRONIC PLUS (optional) and BAS PLUS with new, additional functions
- **New:** PRE-SAFE® with extended functions
- **New:** ADAPTIVE BRAKE
- **New:** electric parking brake
- **New:** cutting points marked for rescue teams



## PRO-SAFE™ 5-point safety philosophy

As a result of increasing complexity – due to new technological innovations and enhancements of existing ones – it is no longer possible to cover the full range of vehicle safety topics with terms such as active and passive safety. The new PRO-SAFE™ concept groups all the different aspects and details of automotive safety into thematic clusters which are presented in a customer-friendly way. PRO-SAFE™ therefore stands for one of the core values of the Mercedes-Benz brand: the philosophy of achieving the highest possible degree of road safety, focusing on the human factor. Mercedes-Benz underlines its social responsibility, as typified by real-world accident research, the protection of other road users and safety features pioneered by the brand, including in-house inventions such as the crumple zone. PRO-SAFE™ is based on the following modules:

### PERFORM-SAFE

This comprises aspects of active safety, that is to say, measures and equipment which help the driver to avoid hazards before they develop fully, which provide early warning of them, or which provide assistance in critical situations. In other words, all the measures which help to prevent an accident from occurring in the first place.

### PRE-SAFE®

PRE-SAFE® denotes anticipatory occupant protection, that is to say, systems which come into action in the event of danger, taking measures which further enhance the occupant protection characteristics as soon as a critical situation is identified. Both the PRE-SAFE® trigger mechanisms and the PRE-SAFE® measures have been further enhanced for the new S-Class.



Examples:

- **New:** night view assist
- **New:** DISTRONIC PLUS
- **New:** BAS PLUS
- **New:** ADAPTIVE BRAKE
- **New:** adaptive brake lights
- AIRMATIC or ABC
- Bi-xenon headlamps with Active Light System, incl. cornering light function
- Tyre pressure monitoring system
- Multicontour seat
- Aero windscreen wipers

Examples:

- **New:** enhanced trigger mechanisms (e.g. panic braking)
- Reversible belt tensioners
- Positioning of driver's seat, front passenger seat, individual rear seats
- **New:** Positioning of multicontour seat or dynamic multicontour seat with massage function
- **New:** side window closing
- Closure of sliding roof



### PASSIVE-SAFE

Essentially, this comprises the passive-safety aspects such as the structure of the passenger cell as well as systems and features which come into action in the event of an accident such as airbags and restraint systems.

### POST-SAFE

This covers systems and measures which come into action after an accident to facilitate and expedite the work of the rescue services, to avoid consequential damage, and to make the accident site easy to find.



Examples:

- **New:** adaptive belt-force limiters
- **New:** front sidebags integrated in seat backrests
- Two-stage driver and front passenger airbags
- **New:** rear sidebags as standard
- **New:** pressure sensors in the doors to optimise air-bag deployment in the event of a side impact
- Central ARCADE control unit
- Optimised bodyshell incorporating extremely high-strength steel

Examples:

- **New:** cutting points marked to show rescue teams where to use cutting tools and equipment
- Online guidelines for rescue teams
- Automatic door unlocking
- Automatic engine cut-off
- Fuel supply cut-off
- **New:** automatic partial opening of the windows to ventilate the interior

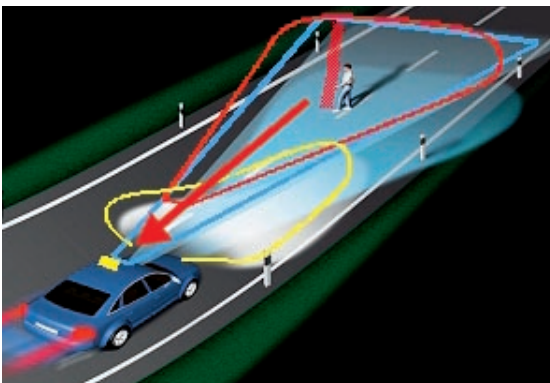


## Anticipatory safety

The numerous systems in the new S-class have been further optimised in terms of driving safety, perceptual safety, driver-fitness safety and operating safety as well as hazard-detection and warning technology. The safety features that make up the PERFORM-SAFE module include technical innovations such as the night view assist (optional) and DISTRONIC PLUS (optional) as well as tried-and-trusted components such as bi-xenon headlamps with Active Light System including cornering function (optional) or multicontour seats with PRE-SAFE® positioning function (optional).



Night view assist's greyscale image on the instrument cluster




Yellow: dipped beam illumination  
Red: infrared light illumination  
Blue: range of vision with infrared camera




Infrared camera

### New: night view assist (optional)

The night view assist, a Mercedes-Benz innovation, makes a valuable contribution to perceptual safety. By means of infrared main-beam headlamps, the night view assist ensures noticeably better detection of objects and surroundings at night. It uses near-infrared (NIR) light, which is invisible to the naked eye, to provide optimum illumination of the main-beam zone, the image being picked up by a special infrared camera and shown on the instrument cluster display. The driver can use the system for sporadic guidance – in much the same way as the rear-view mirror is used. The effect of the night view assist corresponds to that obtained with headlamps permanently in main-beam mode, with the great advantage that the occupants of oncoming vehicles cannot see the NIR beam and are therefore not dazzled. The night view assist thus enables the driver to see the course of the road more clearly and to notice obstacles significantly earlier. 


### Night view assist components and operation

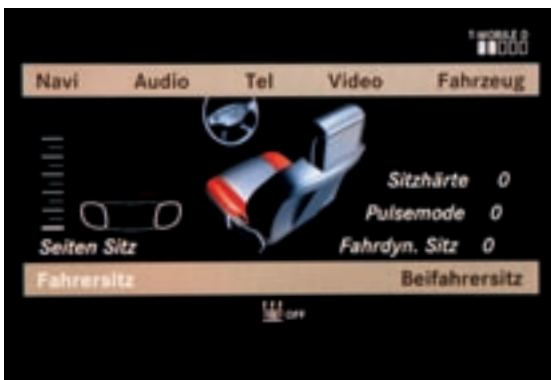
- Halogen projection-beam headlamps with infrared filters in the headlamp units for illumination of the road ahead
- An infrared monocular camera situated on the windscreen near the interior rear-view mirror
- 8" TFT display in the instrument cluster for showing the scene recorded by the camera as a greyscale image\*

\* When the night view assist is active, the camera image is shown on the screen instead of the (virtual) speedometer (which appears instead as a horizontal bargraph at the bottom of the instrument cluster). 




#### Bi-xenon headlamps with Active Light System and cornering light (optional)

Based on the familiar bi-xenon headlamps, the functions offered by this item of optional equipment comprise low-beam mode with the bi-xenon  $\text{AE70}$  projection module, the Active Light System and the cornering light function which is now integrated in the main headlamp. These different elements are combined and coordinated in such a way that they generate a light which increases perceptual safety as well as enhancing driving comfort and relieving driver stress. 




#### Multicontour seat (optional) with extended functionality

Available as an optional extra, the multicontour seat makes a major contribution to improving driver-fitness safety and to anticipatory occupant protection. It allows the seat contours to be adjusted in the following zones: the lateral support section of the cushion, the lumbar support area, the lateral support section of the backrest and the shoulder support area. The new contour adjustments have undergone further enhancement compared with the predecessor model and also offer significantly more scope for adjustment. Moreover, the multicontour seat is integrated in the PRE-SAFE<sup>®</sup> functions (positioning through inflation of the side bolster inserts). 



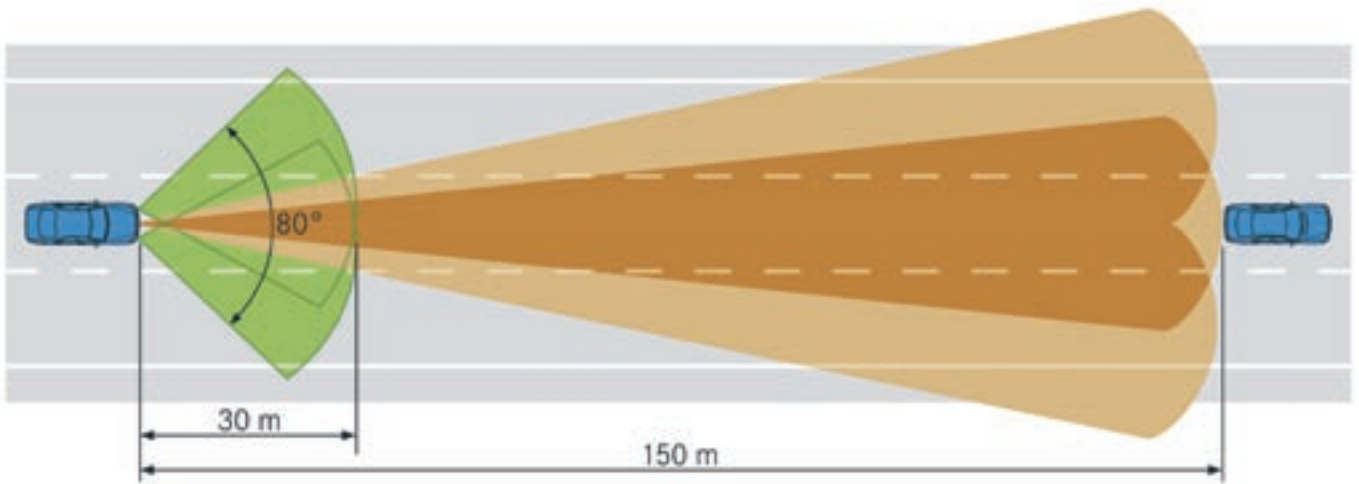
#### Adaptive brake light

In the event of emergency braking, the adaptive brake lights are activated based on certain criteria such as brake pressure or vehicle speed and the LEDs in the three brake lights flash at a frequency of 5.5 Hz. If the vehicle is braked to a stop from a high speed, the hazard warning lights are activated automatically. They are deactivated when the car moves off again. A study has shown that, if adaptive brake lights are fitted, the reaction times of drivers in the vehicles behind are shortened significantly, thus minimising the risk of a collision. 



**New: DISTRONIC PLUS (optional)**

The enhanced DISTRONIC PLUS function extends the controlled range to cover the speed range from 0 – 200 km/h – rather than 30 – 200 km/h as before – to relieve driver stress in stop-and-go traffic. DISTRONIC PLUS therefore offers a high degree of stress-relieving comfort by sparing the driver tiring routine tasks. This makes for more relaxed driving both in traffic tailbacks and normally flowing traffic and so increases driver-fitness safety.



*BAS PLUS mode of operation*

**BAS PLUS**

BAS PLUS marks the debut of a new generation of the familiar Brake Assist safety feature. A new feature is the linking of BAS PLUS with the DISTRONIC PLUS sensor system. BAS PLUS is therefore an anticipatory version of Brake Assist which not only evaluates the way in which the driver applies the brakes but also takes account of the situation immediately around the vehicle (object detection) as a trigger factor. The extra braking assistance which this feature provides ahead of a potential collision is designed to prevent an accident from occurring or – if this is not possible – to reduce its consequences significantly. BAS PLUS is triggered only if the driver brakes and the system detects that there is a risk of an accident. As with DISTRONIC and DISTRONIC PLUS, if this is the case, a signal alerts the driver to the need to brake. If the braking force applied is insufficient, the intelligent BAS PLUS brake assistant is triggered. The system adapts the strength of braking to the situation in hand. Because the full braking force is not always applied immediately, the braking distance for vehicles behind is increased, thus reducing the risk of a collision. ■



### Anticipatory occupant protection

The PRE-SAFE® system which was introduced in the predecessor model is also fitted as standard in the new S-Class. As soon as a critical situation is identified, this system initiates precautionary measures to put the occupant protection features into an optimum configuration. PRE-SAFE® makes extensive use of input from the sensors of existing systems. In the case of the new S-Class, the degree of anticipatory occupant protection has been developed further through the integration of new functions such as DISTRONIC PLUS (optional), BAS PLUS and the multicontour seats (optional) as well as through the extension of existing measures such as seat positioning or closing functions.

#### PRE-SAFE® trigger mechanisms

- Emergency braking
- Heavy oversteer
- Heavy understeer
- **New:** panic braking: the driver's desire to decelerate is clearly higher than the degree of vehicle deceleration which it is physically possible to achieve on slippery roads (aquaplaning, ice, snow)
- **New:** strong braking on approach to a specific stopping point/BAS PLUS braking (BAS PLUS as part of DISTRONIC PLUS). Powerful support of driver's braking action by BAS PLUS on the basis of a radar-supported assessment of the surroundings and an evaluation of the braking force applied
- **New:** critical steering movements: rapid steering movements at high speeds (> 140 km/h) which indicate a panic response by the driver and can destabilise the vehicle

#### PRE-SAFE® measures

- Driver and front passenger secured in their seats at an early stage by electric belt tensioners to prevent movements which could compromise their safety
- Moving of front passenger seat and (if fitted) the optional electrically adjustable rear seat unit: front passenger/left and right rear passengers moved into a more favourable crash position (safety position)
- **New:** head restraints raised to a more favourable crash position if the rear bench seat with electrically adjustable outer seats (optional) or "individual-look" rear seats (optional) are specified
- **New:** almost complete closure of side windows and optional tilting/sliding sunroof, if fitted, to protect occupants from any objects entering the vehicle and to help prevent injuries which could result from an occupant's head or arm projecting outside the vehicle through a window or roof opening
- **New:** positioning of multicontour seats (optional) or dynamic multicontour seats (optional) through inflation of the cushion and backrest side bolsters in order to provide lateral support for the occupants

If no collision occurs, the tension applied to the front seat belts is released and the multicontour/dynamic multicontour seats are deflated once the dynamic handling signals fall back below the trigger point. The other systems which have been adjusted can be reset manually.






### Optimised crash protection

Numerous innovations and enhanced components, a bodyshell which has been optimised even further compared with the predecessor model as well as standard rear sidebags contribute to the very high standard of crash protection (PASSIVE-SAFE) offered by the new S-Class. Furthermore, the new S-Class meets statutory pedestrian-protection requirements.



#### Airbags

The airbags fitted in the new S-Class are controlled by the ARCADE control unit which made its debut in the new M-Class. The vehicle's full complement of airbags comprises:

- Driver and front passenger airbags with two-stage, adaptive deployment function
- Front passenger seat also equipped with a seat occupancy sensor
- **New:** front sidebags integrated in the seat backrests
- **New:** rear sidebags fitted under the wheel-arch trim
- **New:** crash sensors in the door to optimise airbag deployment in the event of a side impact 

#### Seat belts

The seat belts fitted in the latest-generation S-Class have been enhanced compared with those found in the predecessor model. The key features of the three-point belts for the driver and front passenger are:

- Belt tensioners and adaptive belt-force limiters, with input from belt reels
- Automatic belt height adjustment
- Electrically controlled comfort-fit function and belt-in-use detection

The rear seats feature three-point seat belts: on the outer seats they are equipped with an automatic height adjustment function, retractor pretensioners and belt-force limiters. If the optional electrically adjustable outer rear seats are specified, the specification also includes an electrically controlled comfort-fit function with seat belt buckles which move with the seat, pneumatically raised head restraints and a belt-in-use detection system.




## POST-SAFE

Occupants ensconced inside the new S-Class can count on a whole host of safety measures and equipment features which help prevent accidents or, if an accident is unavoidable, provide comprehensive protection. But Mercedes-Benz goes a stage further and also implements a raft of measures to help prevent consequential damage after an accident as well as facilitate and expedite the work of the rescue services.




POST-SAFE measures include:

- Automatic fuel cut-off to prevent fire from breaking out in the event of a crash
- Automatic activation of the hazard warning lights to warn other road users and make the accident site easier to find, especially in the dark
- Automatic door unlocking to enable the occupants to get out of the car more quickly
- Cutting points marked for rescue teams so that they know where to use cutting tools and equipment
- Safety guidelines for rescue teams, which can be accessed on the internet 



## PRO-SAFE™ – the comprehensive safety concept

PRO-SAFE™ – the 5-point safety system – denotes the comprehensive and universal approach to vehicle safety adopted by the Mercedes-Benz brand. Permanently on-going research, extensive know-how and several years of experience have been and remain the crucial factors behind trailblazing developments and system enhancements in this field. And, lest it be forgotten, these are developments which ultimately benefit all road users. Displaying an exceptionally high standard of safety, the S-Class shows just how far this on-going programme of development has come. Furthermore, the researchers and developers at Mercedes-Benz are already busy working on safety concepts for future generations. 

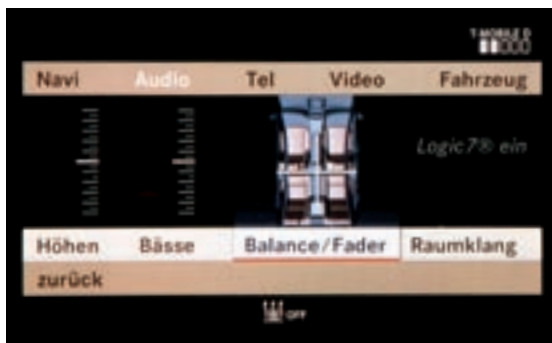




## A delight for all the senses

Typical S-Class customers belong to the elite of society and are very demanding as far as aesthetics and comfort are concerned – not least with regard to their vehicles. The new S-Class meets these demands even more assuredly than its predecessor and sets new standards in its competitive segment for comfort through stress relief as well as quality and perceived value with a sensuous dimension. The factors which contribute to this include:

- The new control and display concept
- A very high level of perceived value, right down to the finest detail
- A new ambient lighting concept (optional)
- A generous feeling of space inside
- An optimised sound profile at the very lowest level
- Comfortable seats with a wide range of individualisation options



Rear-seat entertainment system

## Seats


Comfortable seats are regarded as a particularly important factor in the S-Class. True to the S-Class tradition, however, the new model offers customers more than just exceptionally luxurious seating. Even the standard version of the all-new seating is characterised by a high degree of comfort conducive to stress relief and thus makes a significant contribution to driver-fitness safety. A wide range of optional extras, such as the latest version of the multicontour seat or luxury head restraints, which are available in combination with leather appointments, can be specified in order to provide an even higher level of travel comfort for the driver and passengers. For the ultimate in luxury, customers can choose the new dynamic multicontour seat which provides a comprehensive range of massage functions. The modular structure of the optional interior appointments means that it is possible to meet customers' individual requirements for seating comfort.



*Appointments: Exclusive PASSION leather in sahara beige, trim elements in dark burr walnut (high-gloss)*

### Front seats

The new S-Class is fitted with fully electrically adjustable seats as standard. The following optional extras are available:

- Heated seats (standard for S 500 and all long-wheel-base models)
- Luxury seats, heated and ventilated
- Memory package for seats, steering column and mirrors (standard for V8 version and above)
- Luxury front head restraints (optional)
- Multicontour seats with extended functions
- Dynamic multicontour seats with extensive massage functions 

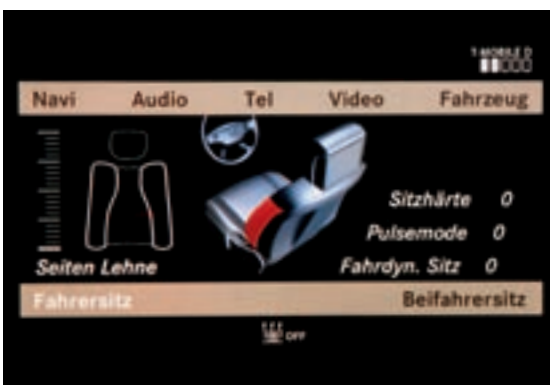


#### New: front passenger seat can be adjusted from driver's seat

Forward thinking: most of the front passenger seat functions can be adjusted from the control cluster in the driver's door. This extra convenience feature is for the benefit of the front passenger.

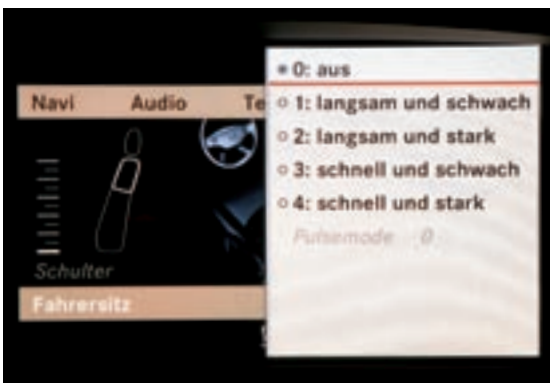
#### Luxury seats (optional)

Luxury seats for the driver and front passenger are available as an optional extra. Featuring 3-stage seat heating and 3-stage seat ventilation, they are more responsive than those of the predecessor model. They are controlled by means of the front-door control clusters.



#### Multicontour seats (optional) with PRE-SAFE® positioning function

Multicontour seats for the driver and front passenger are available as an optional extra. They allow the seat contour to be optimised for the build of the individual occupant by means of independently adjustable air chambers. New: adjustments are made via the COMAND controller with a high-quality graphical representation on the COMAND display. The seat menu can be selected directly using the function button in front of the controller.



#### Dynamic multicontour seat with massage function (optional) and PRE-SAFE® positioning function

In addition to the functions provided by the multicontour seat, the dynamic multicontour seat with massage function also offers the following functions:

- Automatic adjustment of the lateral support in accordance with the driving style (**new**: two stages of support which can be set by means of COMAND)
- **New**: massage function (four stages which can be set by means of COMAND). In a departure from previous systems, the massage function is unaffected by the way in which the seat contour is configured as it is equipped with its own air chambers



#### Luxury front head restraints (optional) and luxury rear head restraints (optional)


The luxury head restraints differ from the standard versions in that they have two flexible side bolsters for optimum lateral support and enhanced comfort. The individual side bolsters are manually adjustable.

### Rear seats

Rear passengers in the new S-Class can make themselves thoroughly comfortable on the standard-fit rear bench seat which offers full-size individual seating accommodation for three. An armrest, which can be folded out from the backrest, contains a lower stowage compartment and a double cup holder which can be extended from the front face. An additional stowage compartment is available behind the armrest. The wide range of optional extras available makes the new S-Class even more practical, versatile and comfortable than the outgoing model. The range notably includes:

- Rear bench seat with electrically adjustable outer seats including PRE-SAFE® positioning function (seats adjusted by means of control clusters in the rear doors)
- “Individual-look” rear seat including PRE-SAFE® positioning function
- Multicontour seats including massage function and PRE-SAFE® positioning function
- Heated seats
- Luxury head restraints

The following optional extras are also available:

- Memory function for rear seats
- Folding tables on back of driver and front passenger seats
- Electric roller blinds in the rear doors
- Electric rear roller blinds
- ISOFIX
- Ski bag
- Refrigerator box 



*Rear bench seat with electrically adjustable outer seats including PRE-SAFE® positioning function*

### Rear bench seat with electrically adjustable outer seats (optional)

Additional rear seating comfort is available in the form of the rear bench seat with electrically adjustable individual seats including PRE-SAFE® positioning function. The

control clusters on the rear doors allow the following adjustments to be made:

- Seat cushion tilt and length adjustment
- Backrest inclination and longitudinal position of seat
- Fold head restraints down or up
- Head-restraint angle



**Rear memory package (optional)**  
An optional memory package is available for all the rear seat options. The memory buttons are situated in the control clusters for the seats in the rear doors.

**Rear multicontour seat (optional) with PRE-SAFE® positioning function**  
Rear passenger comfort can be enhanced even further by specifying the two outer seats as multicontour seats with massage function. The control clusters in the centre armrest allow the following functions to be controlled:

- Left/right seat selection
- Side bolsters of backrest
- Backrest curvature
- Position of backrest curvature
- Massage



*“Individual-look” rear seats, control cluster and ports for rear-seat entertainment system*

**“Individual-look” rear seat (optional)**


The optional “individual-look” rear seat can be ordered in conjunction with the optional rear bench seat with electrically adjustable outer seats. A centre console with the selected wood trim is located between the two seats.

### Climate control system – the ideal travelling temperature comes as standard

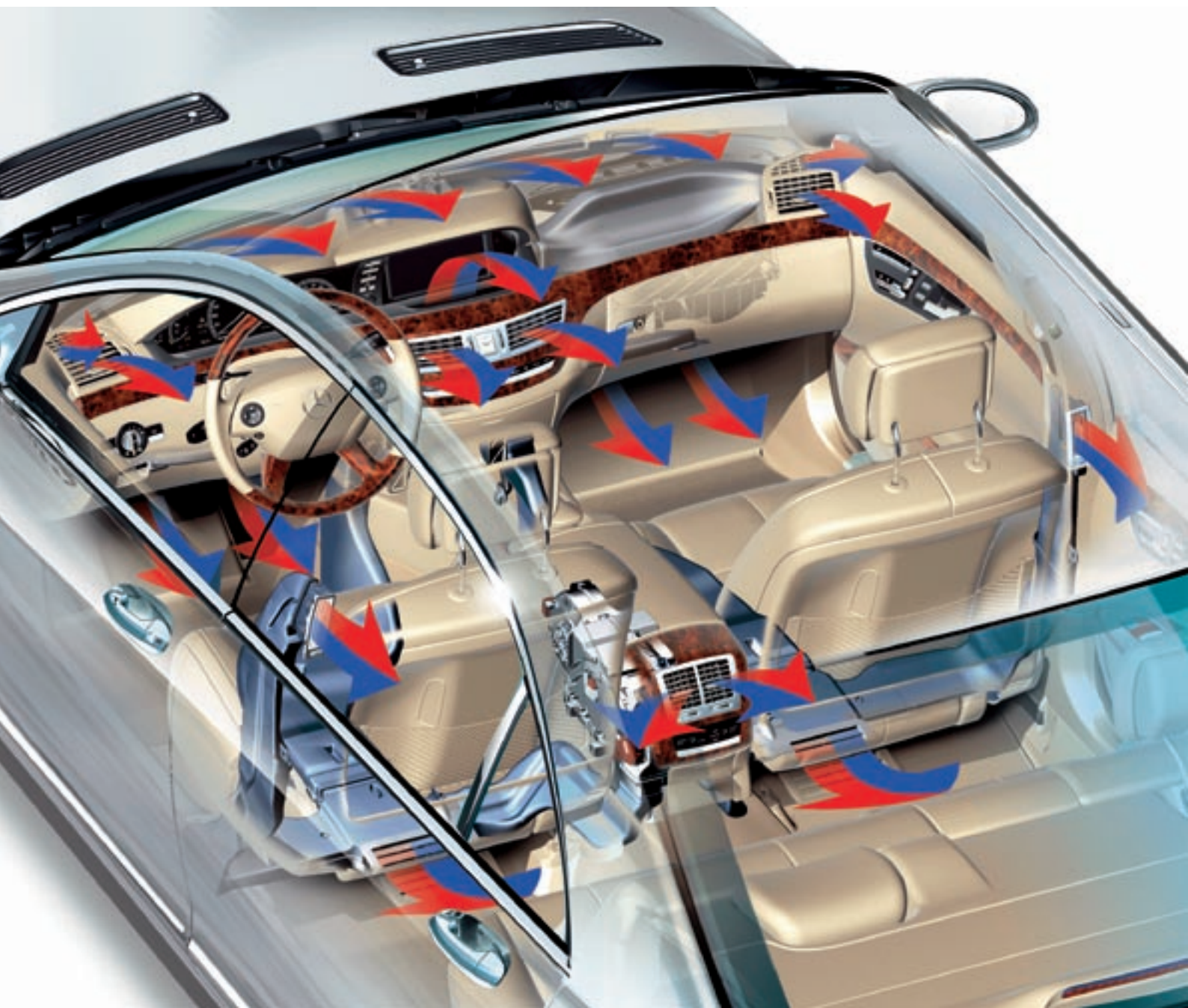
Travelling in comfort means arriving refreshed – a passenger compartment at the right temperature makes a major contribution to ensuring the physical comfort of all the occupants and thus to physiological safety. That is why the new S-Class is equipped as standard with a new, even more high-performance automatic climate control system which allows the ideal temperature to be set separately for each seat. The automatic climate control system is controlled by means of:

- The newly developed control panel on the dashboard console
- The climate control function in COMAND
- The rear controls at the rear of the centre console (if optional climate control system for rear seats is specified).

An even wider range of air volume and distribution settings can now be set to meet the occupants' individual requirements with even greater precision:

- **New:** ventilation modes – diffuse, medium and concentrated – are especially effective if there is a significant difference between the inside and outside temperature
- **New:** adjustable blower for driver and front passenger
- **New:** temperature in the driver and front passenger footwell can be set warmer or colder than the temperature in the surrounding zone 

*Automatic climate control, rear climate control*



### Ventilation

A sophisticated system incorporating numerous air vents provides each occupant of the new S-Class with exactly the right volume of air.



### Rear climate control system (optional)

A separate climate control system for the rear area is available as an optional extra. A control unit on the rear face of the centre console enables the rear passengers to set their preferred climate individually. It comprises:

- Two swivelling air vents
- Two tabs for the left and right centre vents
- Two rotary controls for the left and right air volume

The standard specification includes two individually adjustable air vents in this position, whilst the controls are replaced by a stowage compartment. As well as offering an automatic mode, the unit features manual controls with which the air temperature and distribution can be set separately for the left and right sides. Furthermore, the climate control settings for the rear section can be adjusted from the front seats via COMAND. Air vents for the rear area are situated above the control unit, in the B-pillars and in the footwells.



## Exterior lighting

The new S-Class is equipped as standard with clear-lens projection-beam headlamps with H7 bulbs. Further exterior lighting features:

- Bi-xenon headlamps with Active Light System including cornering light (optional)
- **New:** separate clear-lens front fog lamps
- Direction indicators in exterior mirrors
- Headlamp Assist, activated by means of rotary light switch
- Daytime driving lights
- Locator lighting
- Headlamp cleaning system (optional)
- LED tail lights and brake lights including adaptive brake lights



### Projection-beam headlamps

Arrangement inside the H7 projection-beam headlamps for the new S-Class, from inside to outside:

- One H9 bulb for main beam and headlamp flasher
- Dipped-beam module (H7)
- Turn-signal indicator (outside, top)
- Corner marker light (outside, bottom)



### Bi-xenon headlamps with Active Light System and cornering light (optional)


The bi-xenon headlamps with Active Light System, cornering light function and headlamp cleaning system are structured as follows (from inside to outside):

- Cornering light function (H7)
- Separate main-beam spot for the headlamp flasher (H7)
- Module for low beam, main beam and the Active Light System (bi-xenon gas discharge lamp)
- Turn-signal indicator (outside, top)
- Corner marker light (outside, bottom)

If the optional night view assist is specified, the high-beam spot for the headlamp flasher is replaced by an infrared headlamp (H11). In this case, the headlamp flasher function is performed by the main headlamp. ■



### Interior lighting

As well as being extremely practical, the innovative interior lighting concept in the new S-Class also contributes to the occupants' sense of well-being during journeys at night. Particularly notable new features are the ambient lighting package (optional, standard for V8 versions and above), which has been developed specially for the S-Class, and the use of black-panel technology to illuminate the switches. The standard interior lighting comprises the five-stage dimming of the interior lighting, which can be set via COMAND. In addition, the ambient lighting (optional, standard for V8 models and above) in the S-Class interior, which can be deactivated if required, creates a special lighting ambience with indirect lighting on the dashboard and in the wood trim strips on the four doors. 





**Hearing, seeing, speaking, feeling**

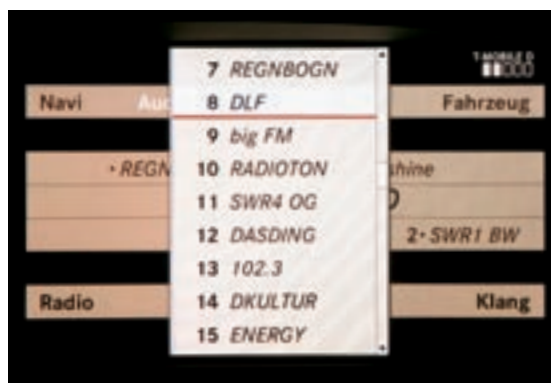
Fitted as standard, the latest-generation COMAND system provides the driver of the S-Class with quick and easy access to a wide range of key vehicle settings. Audio, navigation (optional), telephone (optional), video, TV (optional) as well as other functions are controlled by means of the central COMAND controller (on the centre console) as well as the surrounding COMAND function buttons and are shown on the new COMAND display which is now fitted higher up. The range of standard equipment also comprises a single-disc DVD player and a PCMCIA slot. The benefits compared with the predecessor model are:

- Fast assimilation of information through optimised display position, larger display (8" instead of 6.5") that can be pivoted towards the driver or front passenger and outstanding colour graphics
- Easy to operate as the driver can use the logically structured menus intuitively by means of the COMAND controller and the COMAND function buttons as well as make other selections by turning, pressing or pushing the COMAND controller

**COMAND radio module**

The COMAND radio module features:

- RDS twin tuner with traffic information decoder (TP/TA)
- VHF, MW, LW frequency bands
- 20 station presets per frequency band
- Manual station tuning
- Display of stored stations
- Auto-store system stores strongest stations
- Automatic station search
- SCAN function for preset stations



**Further features of COMAND:**


- 4 x 25 W output
- Ten loudspeakers: 2-way systems in all four doors, a centrefill loudspeaker in the dashboard and a subwoofer in the parcel shelf
- Single-disc DVD player in the data carrier slot
- PCMCIA slot in the data carrier slot (e.g. for MP3)
- Diagnosis and update capability via MOST
- Support for two stereo entertainment channels and three announcement channels (e.g. voice data output for navigation instructions)





### New: COMAND APS (optional) with hard-disc-based navigation system


New S-Class models specified with the optional COMAND APS system are the first Mercedes-Benz vehicles to be equipped with hard-disc-drive (HDD) navigation. This new system dispenses with the need for constant access to a navigation DVD or CD-ROM. Data updates are loaded by means of special navigation DVDs. The other benefits of HDD navigation are:

- A larger volume of navigation data can be stored thanks to the 20-GB hard-disc drive
- Single-disc DVD player is fully available for audio or video use 



### Rear-seat entertainment system (optional)

TV, DVDs, music CDs or games: the rear-seat entertainment system, which will be available as an option for the S-Class for the first time at a later date, provides high-level entertainment for all the rear passengers. All the elements and functions are harmoniously and ergonomically integrated into the vehicle design. The highly impressive system delivers superb sound and pristine picture quality with the option of channelling the sound through the car's sound system or the two headsets that are also supplied. The rear-seat entertainment system comprises:

- TV reproduction (in conjunction with optional combination TV tuner)
- Two 8" TFT colour displays with control buttons, fitted in the front head restraints
- Controls (controller and buttons) on the rear centre armrest
- DVD player in the rear centre armrest
- Two AUX inputs for external entertainment systems on the front edge of the rear centre armrest
- Two folding headsets (tidily tucked away inside a high-quality pocket) under the rear centre armrest 



harman/kardon LOGIC7<sup>®</sup> surround sound system, DVD audio/video, DTS, Dolby Digital 5.1. (optional)

Exclusive listening pleasure for an exclusive car: the new harman/kardon LOGIC7<sup>®</sup> surround sound system provides a natural 360° soundscape, both for 5.1 and normal stereo recordings. It builds on the standard sound system with the addition of LOGIC7<sup>®</sup> multi-channel surround technology, which is vital for optimising the sound impression for all the occupants, including in the case of 5.1 media. Major features of the new sound system:

- 13-channel, 600 Watt DSP amplifier
- 14 strategically positioned high-performance loudspeakers for maximum linearity and consistent frequency response
- LOGIC7<sup>®</sup> technology for a natural 360° soundscape in all seats
- Reproduction of DVD audio/video (MLP, DTS, PCM, Dolby Digital 5.1) DTS-CD and CD





Data carrier slot with PCMCIA slot

#### 6-disc DVD changer (optional)

The 6-disc, single-slot DVD changer (including its control buttons) is situated under the soft-touch-opening cover on the dashboard console and replaces the standard single DVD player. The formats which can be played are: video DVD, audio DVD (only in combination with harman/kardon LOGIC7® surround sound system), audio CD, MP3/WMA on CD.



#### Combination TV tuner (optional)

The optionally available dual-mode TV tuner can receive terrestrial transmissions in any of the common analogue TV standards used around the world as well as DVB-T transmissions. The key features are:

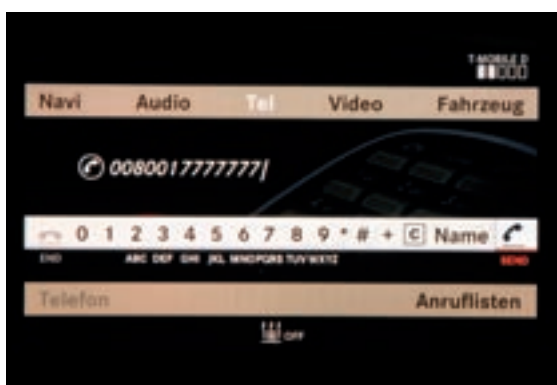
- Transmitter list for selecting the transmitters currently within range
- Continuous automatic selection of the optimum analogue or digital broadcast channel and the aerials best suited to reception of the desired channel
- Short transmission drop-outs bridged by a stationary image display
- Front display of TV picture is switched off for safety reasons at speeds in excess of approx. 5 km/h (picture reception while driving is possible on the optional rear-seat entertainment system)
- Teletext access possible



Cradle with Siemens CX65

**Telephone systems (optional)**

Available as an optional extra, the pre-installation for a mobile phone feature allows the vehicle occupants to use a mobile phone which is accommodated in a cradle under the armrest on the centre console. This optional extra includes a telephone keypad which can be accessed by flipping open the ergonomically shaped handrest. Alternatively, customers can order the optional mobile phone which comprises the pre-installation for a mobile phone, a cradle and a Siemens SP65 phone. Customers also have the option of specifying an additional telephone handset for the rear armrest which is networked with the handset in the front armrest using Bluetooth technology and allows the rear passengers to use the telephone without interruption.



**LINGUATRONIC (optional)**

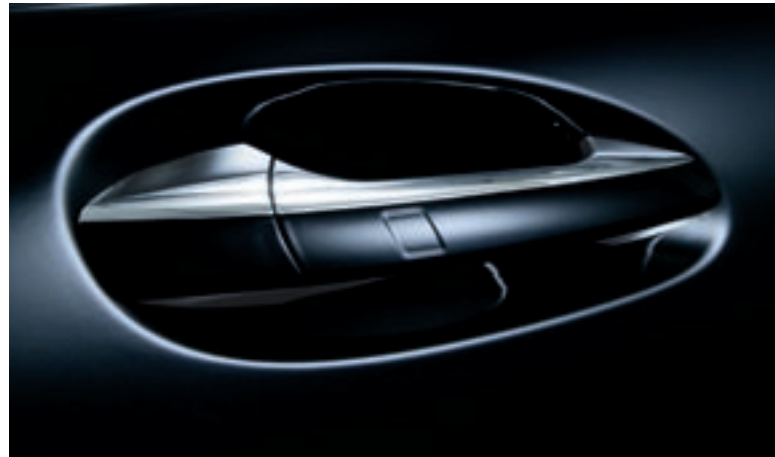
The optional LINGUATRONIC voice-operated control system allows the telephone, audio functions and navigation system to be controlled conveniently and safely. New: the system is activated by means of a button on the steering wheel. Voice commands are acknowledged by clearly audible responses. In case of doubt, the system asks the user to repeat an instruction in order to confirm it. The most important commands are shown on the COMAND display. In addition, the voice recognition can be specially optimised for a specific voice through acclimatisation training (this has no impact on the system's ability to recognise other users' instructions).



 AUDIO/TELEMATICS online contains detailed and comprehensive information covering all model series.

**Well thought-out details**

Pioneering innovations and a whole host of well thought-out details make the new S-Class what it is: a premium-class car that offers customers maximum comfort.



**New: reversing camera (optional)**

Watch this space: the new reversing camera (optional) makes reverse parking easier and safer, whether the space is immediately behind or kerbside. Installed above the number plate at the rear, it is activated automatically when reverse gear is engaged. The camera images are shown on the COMAND display along with superimposed lines showing the ideal path to take when reversing into the parking space.

**Locking systems/KEYLESS-GO (optional)**

Open the door, then open the throttle: the standard equipment package for the new S-Class includes a sophisticated, new-look key for unlocking the car. A latest-generation KEYLESS-GO system is available as an option. The start/stop button in the ignition lock starts the car. Alternatively, the button can be removed and the car can be started with the key. The new-look KEYLESS-GO door handles are harmoniously integrated into the side design.



**Boot**

Safely stowed: numerous well thought-out details make the boot of the new S-Class an even more practical space, including an umbrella holder in the boot lid, two luggage nets on the side walls and two fold-out bag holders designed to keep shopping bags upright when the car is on the move.


**New: two-stage rain sensor**

Extremely sensitive: the new S-Class is the first Mercedes-Benz model series to feature a rain sensor with two sensitivity levels. The driver can select either high or low intensity. Yet another feature which enhances safety, comfort and convenience in the new S-Class.


**Rear refrigerator box (optional)**

A refreshing idea: now offering even greater cooling capacity, the optionally available refrigerator box is located under the rear armrest. It is also more voluminous than the box for the outgoing model. With a capacity of 15 litres, it has enough space for four 1.5-litre bottles, for example. Two switches are used to control the temperature and select one of two cooling settings, depending on individual requirements. The refrigerator box can be removed to make way for the installation of a ski bag.


**New: panoramic sunroof (optional)**

Greater transparency: available as an option for the long-wheelbase version, the new panoramic sunroof consists of two glass sections, one behind the other. When the roof is opened, the front section slides over the rear section. When the roof is closed, all that can be seen from the outside is a continuous glass surface. Inside the car, two electric roller blinds can be extended towards the middle of the roof to shield the occupants from the sun if required. The driver has a separate switch for this feature in the overhead control panel whilst the rear passengers have switches in the rear doors.

**Accessories**

Attractive design characteristics, high perceived quality and Mercedes-Benz standards of safety, robustness and durability: these are the defining qualities of the accessories for the new S-Class – qualities which are particularly important in the premium segment.

**incenio designer wheels**

A choice of three attractive, sterling-silver-painted incenio designer wheels – Almach, Eridanus and Denebola – are available for the new S-Class in sizes from 17" to 19".

**Almach**

17" 5-twin-spoke light-alloy wheels painted in sterling silver

Front 235/55 R 17 on 8J x 17 ET 43

Rear 235/55 R 17 on 8J x 17 ET 43

Accessories For all V6 and V8 versions



**Eridanus**

18" 5-twin-spoke light-alloy wheels painted in sterling silver

Front 255/45 R 18 on 8.5J x 18 ET 43

Rear 255/45 R 18 on 8.5J x 18 ET 43 or

275/45 R 18 on 9.5J x 18 ET 43

Accessories For all engine versions



**Denebola**

19" 9-twin-spoke light-alloy wheels painted in sterling silver

Front 255/40 R 19 on 8.5J x 19 ET 43

Rear 255/40 R 19 on 8.5J x 19 ET 43 or

275/40 R 19 on 9.5J x 19 ET 43

Accessories For all engine versions



### Roof boxes

Featuring an elegant, aerodynamic design and made from high-quality, extremely durable material, roof boxes are available in three sizes and are finished in titanium metallic or matt silver. All three versions have a maximum permitted load of 50 kg. The range comprises:

- Roof box XL (“Family Box”): capacity of approx. 450 litres, can be specified with left-side or right-side opening, fitted luggage set (four fitted bags and two ski bags) and ski rack insert for up to five pairs of skis available as additional accessories
- Roof box L (“Sports Box”): capacity of approx. 330 litres, can be specified with left-side or right-side opening. Fitted luggage set (four fitted bags) and ski rack insert for up to three pairs of skis available as additional accessories
- Roof box M (“Summer Box”): capacity of approx. 400 litres, can be specified with left-side or right-side opening



### New Alustyle basic carrier bars

The New Alustyle basic carrier bars are a flexible system for transporting sports equipment and luggage. They can be combined with an extensive range of roof-mounted accessories. The carrier bars have been developed for a perfect match with the S-Class body, thus providing excellent safety and optimal aerodynamics.

### New Alustyle ski and snowboard rack (not illustrated)


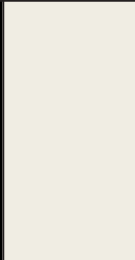
The New Alustyle ski and snowboard rack is available in the two following variants:

- “Standard” for up to four pairs of skis or two snowboards.
- “Luxury” for up to six pairs of skis or four snowboards, with handy extension function for easy loading and unloading



## Paintwork, upholstery, trim elements

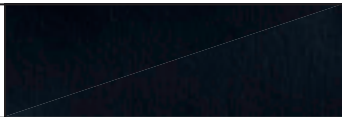

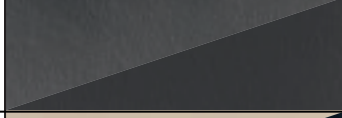

### Non-metallic finishes

|   |   |
|---|---|
| black<br>040  | alabaster white<br>960  |
|  |  |

### Fabric

|              |  |                          |                          |
|--------------|--|--------------------------|--------------------------|
| black<br>001 |  | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------|--|--------------------------|--------------------------|

### Leather PASSION leather Exclusive PASSION leather

|   |  |                          |                          |
|---|--|--------------------------|--------------------------|
| black/black<br>201, 801, 501                      |   | <input type="checkbox"/> | <input type="checkbox"/> |
| savanna beige/<br>cashmere beige<br>204, 804, 504 |  | <input type="checkbox"/> | <input type="checkbox"/> |
| basalt grey/<br>dark basalt grey<br>208, 808, 508 |  | <input type="checkbox"/> | <input type="checkbox"/> |
| sahara beige/black<br>255, 855, 555               |  | <input type="checkbox"/> | <input type="checkbox"/> |
| basalt grey/black<br>258, 858, 558                |  | <input type="checkbox"/> | <input type="checkbox"/> |




*black/black*







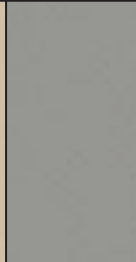
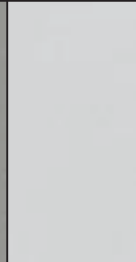
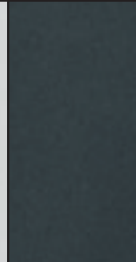
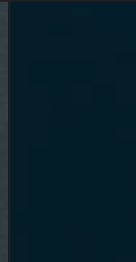
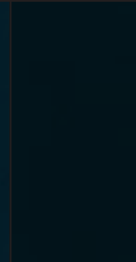
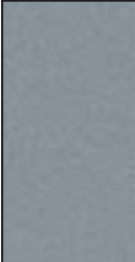
*savanna beige/cashmere beige*

### Trim elements

|  |  |
|--|--|
| Calyptus (high-gloss)<br>Standard for V6 and V8 versions |  |
|--|--|

Metallic paint finishes

Special

|  |   |   |   |   |   |  |   |   |   |
|--|---|---|---|---|---|--|---|---|---|
| carneol red<br>544   | tanzanite blue<br>359   | andradite green<br>816  | travertine beige<br>693   | cubanite silver<br>723  | iridium silver<br>775   | flint grey<br>368  | green black<br>189  | obsidian black<br>197   | andorite grey<br>370  |
|  |  |  |  |  |  |  |  |  |  |

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| ● | ○ | ● | ● | ● | ● | ● | ● | ● | ● |
| ● | ○ | ● | ● | ● | ● | ● | ● | ● | ● |
| ○ | — | ● | ● | — | — | — | ● | ● | — |
| ● | ● | ○ | — | ○ | ● | ○ | ● | ● | ○ |
| ● | ● | ● | ● | ○ | — | — | ● | ● | — |
| ● | ● | ● | — | ○ | ● | ● | ● | ● | ○ |



basalt grey/dark basalt grey




sahara beige/black




basalt grey/black

Dark burr walnut (high-gloss)  
Standard for V12 versions  
Option for V6 and V8 versions



Burr walnut (silk matt)  
Standard for V12 versions  
Option for V6 and V8 versions



● Recommended combination      ○ Possible combination      — Not recommended

## All wheels at a glance



### 17" 7-spoke light-alloy wheels

|          |                              |
|----------|------------------------------|
| Front    | 235/55 R 17 on 8J x 17 ET 43 |
| Rear     | 235/55 R 17 on 8J x 17 ET 43 |
| Standard | For the V6 versions          |
| Optional | -                            |



### 17" 5-spoke light-alloy wheels

|          |                              |
|----------|------------------------------|
| Front    | 235/55 R 17 on 8J x 17 ET 43 |
| Rear     | 235/55 R 17 on 8J x 17 ET 43 |
| Standard | For the V8 versions          |
| Optional | For the V6 versions          |



### 18" 5-spoke light-alloy wheels

|          |                                |
|----------|--------------------------------|
| Front    | 255/45 R 18 on 8.5J x 18 ET 43 |
| Rear     | 275/45 R 18 on 9.5J x 18 ET 43 |
| Standard | For the V12 version            |
| Optional | -                              |



### 18" 5-spoke light-alloy wheels

|          |                                |
|----------|--------------------------------|
| Front    | 255/45 R 18 on 8.5J x 18 ET 43 |
| Rear     | 255/45 R 18 on 8.5J x 18 ET 43 |
| Standard | -                              |
| Optional | For the V6 and V8 versions     |



### 18" 9-spoke light-alloy wheels

|          |                                |
|----------|--------------------------------|
| Front    | 255/45 R 18 on 8.5J x 18 ET 43 |
| Rear     | 255/45 R 18 on 8.5J x 18 ET 43 |
| Standard | -                              |
| Optional | For the V6 and V8 versions     |


**18" 9-spoke light-alloy wheels  
mixed tyres**

|          |                                |
|----------|--------------------------------|
| Front    | 255/45 R 18 on 8.5J x 18 ET 43 |
| Rear     | 275/45 R 18 on 9.5J x 18 ET 43 |
| Standard | –                              |
| Optional | For all engine versions        |


**19" multi-spoke light-alloy wheels**

|          |                                |
|----------|--------------------------------|
| Front    | 255/40 R 19 on 8.5J x 19 ET 43 |
| Rear     | 275/40 R 19 on 9.5J x 19 ET 43 |
| Standard | –                              |
| Optional | For all engine versions        |


**19" AMG 5-spoke light-alloy wheels  
high-sheen**

|          |                                |
|----------|--------------------------------|
| Front    | 255/40 R 19 on 8.5J x 19 ET 43 |
| Rear     | 275/40 R 19 on 9.5J x 19 ET 43 |
| Standard | –                              |
| Optional | For all engine versions        |

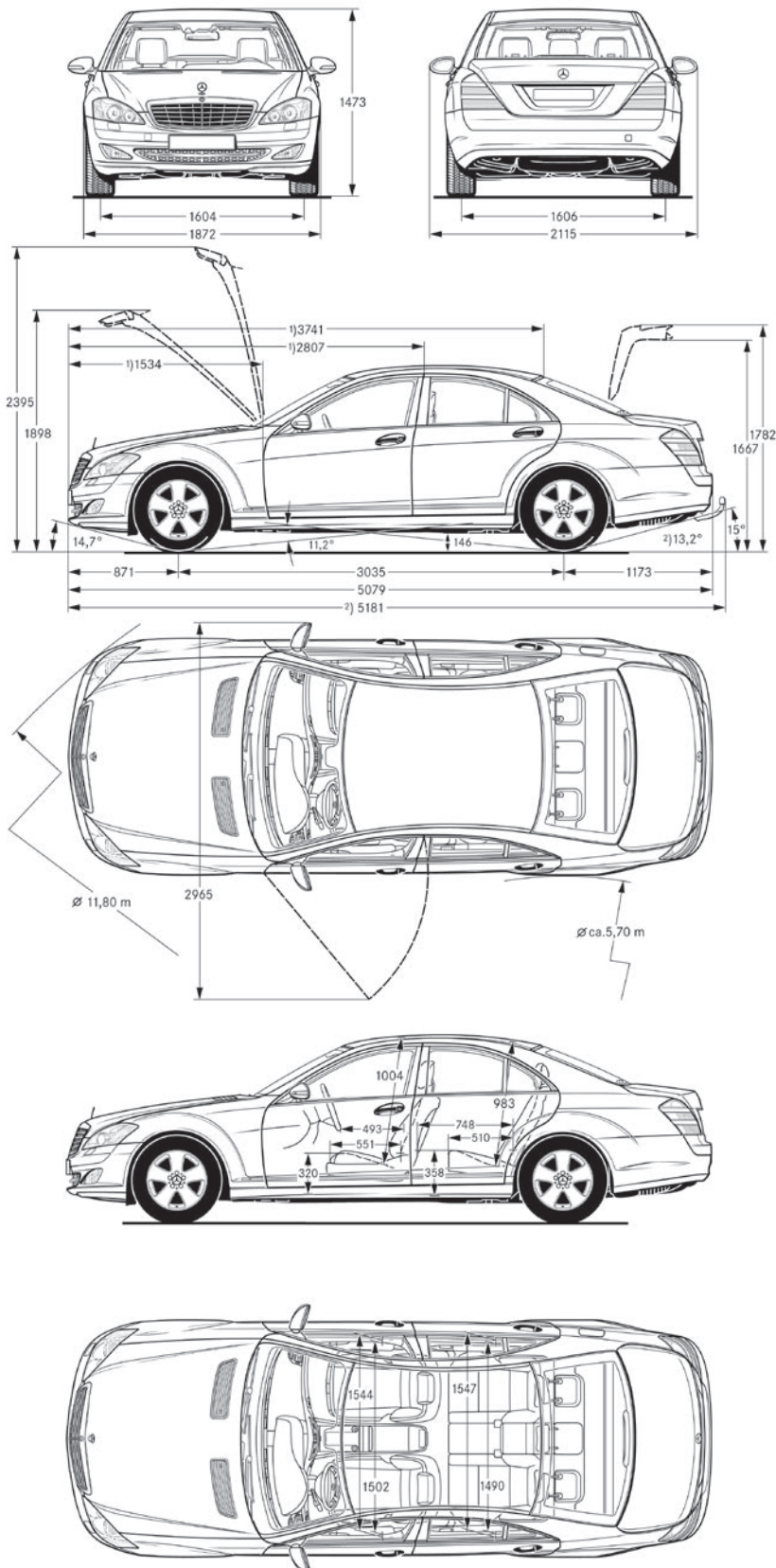

**20" AMG 5-spoke light-alloy wheels  
painted in sterling silver\***

|          |                                |
|----------|--------------------------------|
| Front    | 255/35 R 20 on 8.5J x 20 ET 43 |
| Rear     | 275/35 R 20 on 9.5J x 20 ET 43 |
| Standard | –                              |
| Optional | For all engine versions        |

\* Available from the 1st quarter of 2006

For further details of availability in conjunction with individual vehicle models, please refer to the latest sales documentation

**Dimension drawings**



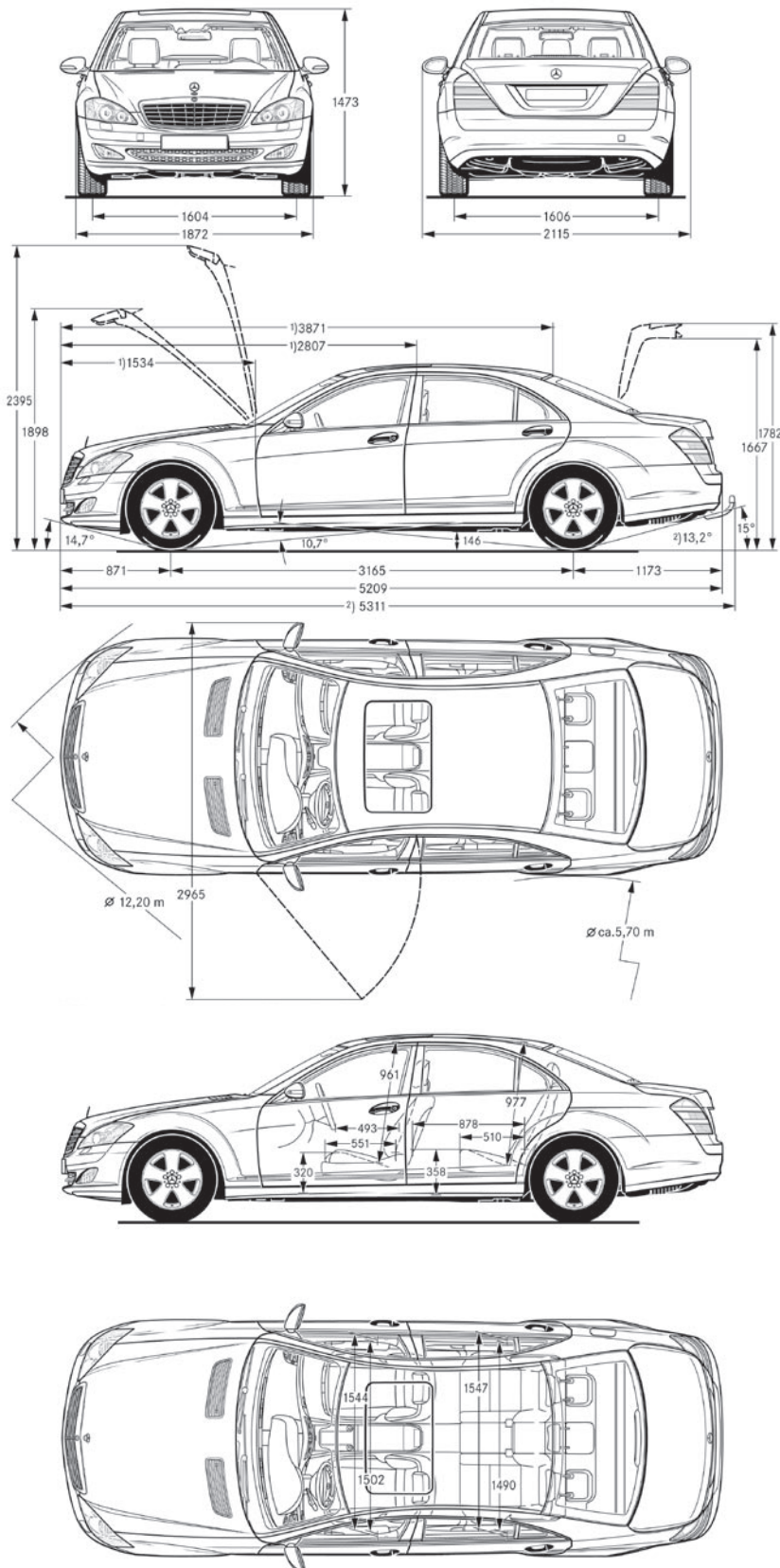
**S-Class W221**

All dimensions including number-plate adapter

1) Dimensions not including number-plate adapter (3 mm)

2) If trailer coupling (optional) is fitted





**S-Class V221**

All dimensions including number-plate adapter

1) Dimensions not including number-plate adapter (3 mm)

2) If trailer coupling (optional) is fitted

## Technical Data

 Regularly updated technical data can be found in ADVANTAGES online.

|  | <b>S 320 CDI*</b><br>221 series | <b>S 350*</b><br>221 series |
|--|---------------------------------|-----------------------------|
| <b>Engine</b>                                      |                                 |                             |
| No. of cylinders/arrangement                       | V6                              | V6                          |
| Valves per cylinder                                | 4                               | 4                           |
| Displacement                                       | 2987                            | 3498                        |
| Rated output                                       | 170 at 3800                     | 200 at 6000                 |
| Rated torque                                       | 540 at 1600 – 2400              | 350 at 2400 – 5000          |
| Transmission                                       | 7G-TRONIC                       | 7G-TRONIC                   |
| <b>Dimensions and weights</b>                      |                                 |                             |
| Overall length                                     | 5076 (5206)                     | 5076 (5206)                 |
| Overall width not incl. mirrors                    | 1872                            | 1872                        |
| Overall height                                     | 1473                            | 1473                        |
| Wheelbase  | 3035 (3165)                     | 3035 (3165)                 |
| EU kerb weight                                     | 1965 (2010)                     | 1880 (1925)                 |
| Perm. gross vehicle weight                         | 2550 (2580)                     | 2475 (2505)                 |
| Payload capacity                                   | 585 (570)                       | 595 (580)                   |
| Roof load  | 100                             | 100                         |
| Towing capacity: braked                            | 2100                            | 2100                        |
| Towing capacity: unbraked                          | 750                             | 750                         |
| Boot capacity (VDA) up to rear backrest upper edge | 560                             | 560                         |
| Tank capacity                                      | 90                              | 90                          |
| Wheels/tyres                                       | 8.0J x 17 ET 43 235/55 R 17     | 8.0J x 17 ET 43 235/55 R 17 |
| <b>Performance/<br/>fuel consumption</b>           |                                 |                             |
| Acceleration 0 – 100 km/h:                         | 7.5                             | 7.2                         |
| Top speed  | 239                             | 250**                       |
| Urban  | I/ 100 km min./max.             | N/A                         |
| EUDC   | I/ 100 km min./max.             | N/A                         |
| NEDC combined                                      | I/ 100 km min./max.             | 10.3                        |
| CO <sub>2</sub> combined                           | g/km min./max.                  | N/A                         |
| Emissions class                                    | EU 4                            | EU 4                        |
| Drag coefficient                                   | 0.26                            | 0.27                        |

*All figures are provisional*

*\* Figures in brackets apply to long-wheelbase vehicles*

*\*\* Electronically limited*

*The S 320 CDI and the S 600 will be available from the 1st quarter of 2006*

**S 500\***

221 series

|                    |
|--------------------|
| V8                 |
| 4                  |
| 5461               |
| 285 at 6000        |
| 530 at 2800 – 4800 |
| 7G-TRONIC          |

|                             |
|-----------------------------|
| 5076 (5206)                 |
| 1872                        |
| 1473                        |
| 3035 (3165)                 |
| 1940 (1985)                 |
| 2545 (2565)                 |
| 605 (580)                   |
| 100                         |
| 2100                        |
| 750                         |
| 560                         |
| 90                          |
| 8.0J x 17 ET 43 235/55 R 17 |

|       |
|-------|
| 5.6   |
| 250** |
| N/A   |
| N/A   |
| 11.2  |
| N/A   |
| EU 4  |
| 0.27  |

**S 600**

221 series long wheelbase

|                                |
|--------------------------------|
| V12                            |
| 3                              |
| 5513                           |
| 380 at 5000                    |
| 830 at 1800 – 3500             |
| 5-speed automatic transmission |

|                                    |
|------------------------------------|
| 5206                               |
| 1872                               |
| 1473                               |
| 3165                               |
| 2210                               |
| 2690                               |
| 480                                |
| 100                                |
| 2100                               |
| 750                                |
| 560                                |
| 90                                 |
| front: 8.5J x 18 ET 43 255/45 R 18 |
| rear: 9.5J x 18 ET 43 275/45 R 18  |

|       |
|-------|
| 5.3   |
| 250** |
| N/A   |
| N/A   |
| 14.1  |
| N/A   |
| EU 4  |
| 0.28  |

## Exterior design

- Large radiator opening with a three-dimensional radiator grille
- Bonnet with a pronounced V-shape
- Powerful front bumper
- Dynamic line rising from front to rear
- Distinct projection of the wheel arches
- Rear light units with two chrome-surround highlights finished in the vehicle colour
- AMG bodystyling
- 13 designo metallic paint colours

## Interior design

- COMAND controller in aluminium
- New, ergonomically positioned 8" COMAND display
- Ergonomically shaped handrest
- DIRECT SELECT shift buttons on the steering wheel and DIRECT SELECT lever
- New interior colour concept
- One fabric upholstery and three leather upholsteries (leather, PASSION leather and Exclusive PASSION leather) to choose from
- Fine materials and design elements
- Metallised controls and real aluminium switches
- Black-panel design
- Wide range of designo upholsteries and trim elements

## Vehicle concept

- New control and display concept with clearly arranged control clusters
- Night view assist
- New generation of V8 engines
- New V6 diesel engine
- Electric parking brake
- Choice of two wheelbase lengths, difference 13 cm
- DIRECT SELECT gearshift system
- Enhanced AIRMATIC
- Optional ABC (standard for S 600)
- Doorholds

## Safety

- PRO-SAFE™ 5-point safety system
- Enhanced PRE-SAFE® system
- DISTRONIC PLUS
- BAS PLUS
- Windowbags
- ADAPTIVE BRAKE
- Adaptive brake light

## Standard equipment

- Enhanced COMAND incl. 8" COMAND display, COMAND controller on the centre console and ergonomically shaped handrest
- Even more high-performance automatic climate-control system with wide range of air volume and distribution settings that can be adjusted to meet the occupants' individual requirements
- Front passenger seat can be adjusted from driver's seat
- Doorholds
- Electric parking brake
- Sidebags in rear

## Optional extras

- COMAND APS with hard-disc-based navigation system, DVD drive and PCMCIA slot
- Multicontour seats front and rear
- Dynamic multicontour seats with new functions
- "Individual-look" rear seats
- Rear climate control system
- New ambient lighting concept
- Electric roller blinds in the rear doors
- Enhanced electric rear roller blind
- Reversing camera
- Panoramic sunroof for long-wheelbase versions
- harman/kardon LOGIC7® surround sound system

### For internal use only

The information contained in ADVANTAGES refers to the ECE left-hand-drive versions of the Mercedes-Benz product range.

Specifications may vary from market to market and are not shown in individual cases.