

2005 S-Class
Sales Presentation Guide

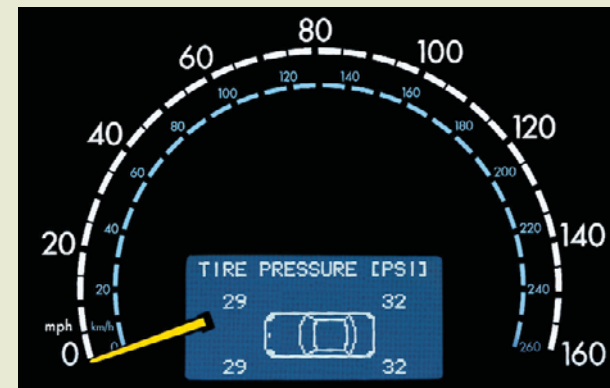


Mercedes-Benz

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About this Guide

A new approach for 2005

Easier access to information

You'll notice something new in the Sales Presentation Guides for 2005, and we hope every Mercedes-Benz dealer professional finds it a change for the better.

Organization of the new Guides

We've separated the presentation of the 2005 Mercedes-Benz line into two groups:

- **Class Guides:** Information on each model line, to explain the key features that distinguish each model line from the others, and from their competition
- A core **Technical Guide:** Information on what makes every Mercedes-Benz a Mercedes-Benz. The Guides no longer repeat features that are shared by every Mercedes-Benz in every Class Guide, for easier access to information you need.

To help you find information easily, the new Guides provide **some basic search tools:**

- At the front of each Guide, a **Table of Contents** lists the subjects in page order.
- This is followed by an **Alphabetical Index** of key topics.
- Each **Class Guide** is divided into four sections: **Class Overview**, **Exterior**, **Interior** and **Mechanical**—followed by the specs and equipment charts.
 - ★ **Benefits** of each feature are now called out in *italics with a red star*.
- And throughout the Class Guides, new **blue-diamond callouts** direct you to the other sections or Guides for a consolidated discussion of features of every Mercedes:
 - ◆ **More info: Tech Guide, p. XX**



S500 Sedan

Depth of substance

One of the greatest challenges—and rewards—of offering Mercedes-Benz products to the driving public is knowing the breadth and depth of the substance that makes a Mercedes special.

From the more than 50 years of safety innovation to the latest convenience features like Keyless Go, every element of a Mercedes-Benz is part of an intricately yet elegantly orchestrated system of features designed to work together. It's this systematic approach that results in vehicles that truly are unlike any other in the driving pleasure, ownership experience, extreme confidence and unparalleled pride they impart.

We could go on...

The biggest challenge in understanding what makes a Mercedes a Mercedes is overcoming the "information overload" of all the many nuances of their design. Did you know, for example, that many systems in every Mercedes communicate with each other? For example:

- If a critical exterior lamp burns out, the S-Class automatically substitutes a suitable nearby lamp.
- The S-Class climate control responds first to occupied seats, based on seat-belt usage.
- Keyless Go can sense if the driver puts his keys in her purse, then tosses the purse in the trunk and closes the lid. (It will pop the trunk a few seconds later.)

The truth is, we could produce Guides that are thousands of pages thick—and that no one could ever absorb. So we've selected the most compelling and pertinent facts about the most advanced, diverse and exciting line of Mercedes-Benz models we've ever presented to you and your customers. And with more excitement on the way, we hope you'll not only benefit from this approach, we hope you'll enjoy it, too.

John Zupancic
Curriculum Designer
MBUSA Training and Education

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Questions or comments on the Presentation Guides for 2005?
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The 2005 S-Class

Positioning

Few vehicles in the world have a heritage as rich as that of the Mercedes-Benz S-Class. For 2005, the S-Class will continue to deliver the combination of thoughtful luxury features, technological sophistication, passionate styling and a graceful yet athletic driving experience that has made it the standard by which all luxury sedans are measured.

To further raise the bar, the technologically advanced 4MATIC™ all-wheel drive system is now offered as a no-charge option on both the S 430 and S 500 Sedans.



S55 AMG Sedan

Model highlights

Each model enhances the S-Class lineup:

The **S 430 Sedan** sets the benchmark in the high luxury segment, with V-8 power, and either a 7-speed automatic transmission or the no-cost option of 4MATIC all-wheel drive with a 5-speed automatic.

The **S 500 Sedan** provides segment-leading performance and luxury, from Bi-Xenon headlamps to Nappa leather upholstery, plus the no-cost option of 4MATIC all-wheel drive.

The **S 55 AMG Sedan** is the executive athlete, with nearly 500 supercharged V-8 horses that are also remarkably well-behaved in around-town driving.

The **S 600 Sedan** is the exclusive automotive experience, with a liquid-smooth 5.5-liter twin-turbo V-12 producing 493 hp and cabin appointments bordering on the extravagant.

S-Class overview

Heritage

1924–1933

The 15/70/100 Model led to the Nürburg 460 and Nürburg 500 models.

1928

The Nürburg 460 was introduced, offering 4-wheel brakes, automatic central chassis lubrication and a choice of wheel types – with wooden or wire spokes. Engine displacement was 4,592 cc, developing either 80 or 90 hp, depending on the information source. The Nürburg 460 was available as a limousine, open touring car, cabriolet or supercharged sport-roadster. Total production of the Nürburg 460 chassis through 1933 was 2,893 units.

1930–1937

The Type 770 (W07) Grosser Mercedes were large, powerful automobiles, hence the name “Grosser” (meaning grand). Only 117 units were produced, intended for heads of state. The smooth powertrain was capable of relative quickness. Weighing over 6,000 pounds, the Grosser Mercedes was powered by a 7.7-liter supercharged inline 8-cylinder engine that developed up to 200 net hp.



1951

The Type 300 and Type 220 models were introduced. These were the first entirely new post-World War II Mercedes-Benz models. The 300 was the first Mercedes-Benz designed with the American market taken into consideration, with more streamlined styling. These models were in production for 11 years. As it evolved, Type 300 accounted for over 11,000 units.

Weighing between 3,850 and 4,400 lb, the 300 featured a 3.0-liter overhead-cam inline-6 that developed up to 160 hp and was capable of speeds up to 105 mph. It had a reputation for its high degree of engineering and quality construction. The last of the Type 300 4-door sedans, built between 1957 and 1962, were available with or without visible B- and C-pillars, or as a limousine.

German Chancellor Konrad Adenauer had three 300 models, which he drove until 1967. Hence, the 300 came to be called the “Adenauer.” Its elegance made a statement about the people who drove it, especially in

reconstruction Germany. It was built for the wealthy, beautiful and powerful. Among its interior features were an anti-glare interior mirror, center rear armrest and four ashtrays. Exterior styling included an elegant roof, sweeping fenders and a massive radiator. It was the largest German automobile of its day.

The Adenauer offered several innovations throughout its production. It had the patented Mercedes safety door latches, which protected against doors jamming in an impact. Manifold fuel injection was first made available in the 300 for 1957, and it offered power steering in 1958.



1961–1968

The 300 SE (W112) introduced such safety features as the dual-circuit braking system, padded dashboard, impact protection on the steering-wheel hub, and knee-impact protection. It also had a safety cage built into the body, as well as front and rear crumple zones. Seat belts were available as an option, as were front head restraints.

Standard and optional luxury features included power steering, sunroof, illuminated glovebox, vanity mirror, trip meter, air conditioning and rear heating ducts. Mechanical features included a 6-cylinder engine and standard pneumatic suspension system. More than 380,000 of this S-Class series were built.



1964–1981

On the Grosser (“grand”) theme, 2,677 Type 600 models were hand-built by special order. They featured air suspension and an overhead-cam 6.3-liter V-8 that developed 250 hp (DIN). Three models were available: the long-wheelbase 4-door, the longer-wheelbase “Pullman” 4-door and the even-longer-wheelbase 6-door. A few were built with a fabric roof for the rear passenger compartment that could be folded down for parades. A window separated the front cabin from the rear passengers.



1965–1972

The 300 SEL 6.3 (W109 series) was the world’s fastest luxury sedan of its time, able to go from 0 to 60 mph in 7.5 seconds. Its 6.3-liter V-8 engine developed 250 hp (DIN) and 369 lb-ft of torque in a body weighing 4,010 lb. Other notable features included air suspension, air conditioning, leather upholstery, 4-speed automatic transmission, AM/FM radio and central locking system. As many as 1,840 units were brought to the U.S. during its model run.

**1972–1978**

The first vehicles to be officially designated “S-Class,” the W 116 series included the audacious 6.9 model. Among the technical innovations of the W 116 were an available hydropneumatic rear suspension, and a turbocharged 5-cylinder diesel engine in the 300 SD. The turbodiesel was a popular model during the energy crisis in the U.S. during the early 1970s.

With a 6.9-liter V-8 engine, the 450 SEL-based 6.9 developed 286 hp. Powertrain components included fuel injection, electronic ignition and hydraulic valves. Capable of a top speed of 140 mph, the 6.9 came with a long list of standard features. Over 1,800 units were brought to the U.S.

The S-Class had ribbed turn-signal and taillamp lenses—a design carried over in modified form through today. Mechanical features included double wishbone front suspension and, in 1978, an optional Antilock Braking System (ABS). Electronics were important to the S-Class, with power windows, sunroof, two-stage heated front seats, cruise control, an outside temperature indicator, headlamp washers with wipers, cassette radio and automatic climate control. Total production of the W 116 series was 473,035 units.

**1979–1990**

With the W 126 series, the S-Class became well-known as a pioneer in passive safety. Mercedes-Benz introduced the 3-way forked member as part of the front crumple zone, and in crash testing the S-Class was able withstand an offset frontal impact of 34 mph with the passenger compartment left intact. ABS was available as an option, as were an Automatic Locking Differential (ASD) and Automatic Slip Control (ASR).

The W 126 sedans and coupes debuted a number of important seat-belt features, such as 3-position height adjustment of the sedan front shoulder belts (1979) and the coupe’s front seat-belt presenters (1982). In 1981, the S-Class was the world’s first volume-produced automobile to offer a driver’s front air bag, along with a front passenger seat-belt Emergency Tensioning Device (ETD). In 1987, a front air bag was made available for the front passenger.

Innovations in comfort included power front seats with memory, heated rear seats, rear-cabin reading lights and a power rear-window sunshade. On long-wheelbase models, rear-seat passengers had available power-adjustable seating and separate climate control vents. At the end of its production run, the W 126 series S-Class included five models in the U.S.: the standard-wheelbase 300 SE Sedan; the long-wheelbase 300SEL, 420 SEL and 560 SEL Sedans; and the 560 SEC Coupe.

**1991–1998**

The objective for the W 140-series S-Class—introduced for model year 1992—was to do everything better than ever before. Its large interior, dual-pane side windows and smooth-running engines all added to comfort. The automatic climate control filtered out odors and minute particles of dust. The doors and decklid had closing assists, and rear-seat passengers were provided with a pair of ceiling-mounted vanity mirrors.

Safety was given high priority, with improved provisions for side impacts. Safety systems included front air bags for the driver and front passenger, automatic shoulder-belt height adjustment, front seat-belt ETDs, and Automatic Slip Control (ASR). During its lifetime, the W/V 140 was outfitted with auto-dimming rearview mirrors, front door-mounted side-impact air bags, front seat-belt force limiters, Brake Assist and Electronic Stability Program (ESP).

For the 1998 model year, the coupe models became their own model line, the new CL-Class. Approximately 407,000 S-Class units were built from 1991 through the end of the 1999 model year in August 1998.

**1999**

The current W 220-series S-Class was introduced for the 2000 model year with V-8 power standard in the entry-level long-wheelbase (V 220) U.S. model. It represented the ultimate in automotive engineering, at the same time offering the highest standards of ride comfort, active and passive safety, reliability and environmental compatibility.

2003

The 2003 S-Class received a mid-cycle facelift. In addition to restyling inside and out, the interior materials became richer. Technological advances included the new option of 4MATIC™ all-wheel drive on the S 430 and S 500 Sedans, and new engines boasting nearly 500 hp for the S 55 AMG and S 600 Sedans. In addition, safety innovations included the world’s first accident-predictive vehicle preparation system, PRE-SAFE®.

2004

The S-Class maintained its reputation for leadership in the marketplace by offering a host of technological enhancements, including the industry’s first 7-speed automatic transmission (on S 430 and S 500 models without 4MATIC), enhanced Tele Aid capabilities, an easier-to-use COMAND head unit and DVD-based navigation system, and new Bose® digital surround sound.

What's new for 2005

Exterior

New paint color

One new metallic color replaces another:

- Added: 368 **Flint Grey**
- Deleted: 753 Tectite Grey

Interior

Heated front seats

- Heated front seats are now **standard** on all S-Class models, including the **S 430** for 2005.

Front head restraints

- **Automatic setting** of head-restraint height based on fore-aft seat movement has been **deleted for 2005 S-Class**, based on customer input.

"Air bag off" indicator

- The label on the indicator for the **deactivation** of the front passenger's front **air bag** has been revised, though functionality remains as before.



S 430 Sedan

Mechanical

4MATIC all-wheel drive

- Optional at **no extra charge** on the S 430 and S 500 models for 2005

Name change for shift mode

- The transmission's Standard mode is renamed **Sport mode**.
 - Functionality is unchanged.

Options

Satellite radio

- **SIRIUS Satellite Radio** is now available as a dealer-installed accessory on all Mercedes-Benz models.

Heating Package discontinued

- With heated seats now standard on the S 430, the **Heating Package** is no longer necessary. The **heated steering wheel** becomes exclusively a standalone option.

Decontenting

The following features have been **deleted**:

Exterior

- Infrared sensor on the outside right front door handle (used for remote window/sunroof operation)
- Valet lockout feature (90° trunk lock position that disabled remote trunk opener)

Interior

- Inside rearview mirror no longer linked to driver's seat memory
- Cassette player deleted from in-dash radio unit (sliding screen unchanged in appearance)
- Bottle holder (attached to front passenger seat trim, running change during the 2004 model year)



Exterior overview

Sleek, substantial and seductive

The S-Class is both grand in scale yet sleek in form. Its refined, elegant appearance conveys both substance and style. It boasts excellent aerodynamics and practical design considerations that promote stable handling, fuel economy and optimum safety.



S 600 Sedan

Design highlights

- A large, stand-up Three-Pointed Star is located prominently above the chrome-trimmed, horizontally oriented grille.
- Multi-element, clear-lens projector headlamps, with integrated parking lamps and front foglamps, enhance vision and contribute to a distinctive yet familial appearance.
- Stylish aluminum-alloy wheels in a variety of designs are attractive and light in weight for enhanced handling.
- Aerodynamic, automatically heated side mirrors are designed to help keep the side windows cleaner when driving in the rain, while integrated turn signals provide an added measure of safety.
- Standard bodyside rub strips help protect against minor dents and dings.
- Clean, one-piece designs of the front and rear bumpers help minimize the number of gaps in the body.
- Advanced manufacturing processes minimize the size of all body panel gaps.
- Highly visible taillamps that feature a modern interpretation of the ribbed taillamp theme found on all S-Class models since 1972.

¹ AMG 18" wheels and accompanying high-speed-rated tires provide substantially increased treadwear and reduced ride comfort compared to H-rated tires. Serious wheel and tire damage may occur if the vehicle is operated on rough or damaged road surfaces or upon encountering road debris or obstacles. ² Z-rated tires are optimized for performance driving and may provide reduced ride comfort, increased tire noise, substantially increased treadwear and greater susceptibility to damage compared with H-rated tires.

Model differences

Distinguishing exterior features of the **S430**:

- 17" 5-spoke alloy wheels (7-spoke wheels with optional 4MATIC™ all-wheel drive)
- Halogen headlamps

Distinguishing exterior features of the **S500**:

- 17" 5-spoke alloy wheels (7-spoke wheels with optional 4MATIC all-wheel drive)
- Bi-Xenon headlamps with washers

Distinguishing exterior features of the **S55 AMG**:

- Staggered-width 18" AMG double-spoke alloy wheels and Z-rated tires¹
- Bi-Xenon headlamps with washers
- AMG-design front air dam with mesh air intakes, side skirts and rear apron
- Four chrome exhaust tips
- Chrome "V-8 Kompressor" badges on each front fender

Distinguishing exterior features of the **S600** (compared to the S500):

- Staggered-width 18" forged 6-hole alloy wheels and Z-rated tires²
- Dual chrome exhaust tips
- Chrome "V-12" badges on each front fender's rub strip

Exterior styling walkaround

Front 3/4 features

Headlamps

The headlamps on every S-Class model integrate all front-end lighting elements into a single jewel-like assembly.

- S 430 features **halogen headlamps**.



Bi-Xenon headlamps

- Optional on S 430 as part of the **Lighting Package**
- Standard on S 500, S 55 AMG and S 600

◆ **More info:** Tech Guide, p. 22

Halogen front foglamps

- Standard on all models
- Located in front bumper
 - ★ provide increased illumination in inclement weather

◆ **More info:** Tech Guide, p. 22

Grille and hood

The aluminum hood incorporates the large chrome-accented grille.

- Affords an **elegant appearance** worthy of a Mercedes-Benz flagship sedan
- Equipped with **two locks** (one per side)
 - ★ for added safety and security
- **Gas struts** assist in opening the hood
 - ★ help to balance the hood when raising or lowering it

Side features

Overall, the body of the S-Class is **well-balanced and athletically proportioned**

- An arching roofline and wedge profile
- Sleek, pronounced shoulderline runs the length of the body.
- Fender flares accentuate the wheels.
 - ★ offers a more aggressive stance
 - ★ lower bodyside moldings help protect bodywork from door dings

Doors

The S-Class doors are **generously sized**.

- ★ allows greater ease of ingress/egress
- ★ stout hinges and wedge-shaped strikers help resist jamming and intrusion in the event of a side impact

A pneumatic closing system draws each door tight once it is latched.

- ★ prevents need to slam doors shut

High-tech glass

All windows, including the windshield, are:

- laminated for reduced noise penetration
- infrared-reflecting
- ultraviolet light-absorbing

◆ **More info:** Tech Guide, p. 50

Wheels and tires

Generously sized aluminum-alloy wheels help distinguish each model:

- Wide **17" or 18"** wheels are standard or optional (see chart at right).
- The S 55 AMG and rear-wheel-drive models with the AMG Sport Package feature **staggered-width 18" wheels** (rear wheels wider than the front wheels).
 - ★ more aggressive appearance
 - ★ wider rear tires enhance grip under acceleration
 - ★ front tires optimally sized for steering response without unwanted feedback
- The **S 55 AMG** features lightweight, staggered-width, polished **AMG double-spoke 18" wheels**.
 - ★ offer the ultimate combination of style and handling
- **High-performance tires**² are standard on the S 55 AMG, S 600, and all models equipped with the AMG Sport Package.

◆ **More info:** Tech Guide, p. 10

Wheels and tires by model				
Model	Wheel style and size	Tire size and type		
S 430/S 500	5-spoke (photo A)	7.5J x 17	225/55 R 17 all-season	
S 430/S 500 4MATIC	7-spoke (photo B)	7.5J x 17	225/55 R 17 all-season	
S 55 AMG	AMG dbl-spoke (photo C)	F: 8.5 x 18 R: 9.0 x 18	245/45 ZR 18 265/40 ZR 18 high-performance ¹	
S 600	6-hole (photo D)	8.0J x 18	245/45 ZR 18 high-performance ²	
AMG Sport Package	AMG thin-spoke monoblock (photo E)	F: 8.5J x 18 R: 9.0J x 18	245/45 ZR 18 265/40 ZR 18 high-performance ¹	
w/4MATIC		8.5J x 18	245/45 ZR 18 high-performance ¹	
Appearance Package	5-spoke (photo F)	8.0J x 18	245/45 ZR 18 high-performance ²	

¹ AMG 18" wheels and accompanying high-speed-rated tires provide substantially increased treadwear and reduced ride comfort compared to H-rated tires. Serious wheel and tire damage may occur if the vehicle is operated on rough or damaged road surfaces or upon encountering road debris or obstacles.

² Z-rated tires are optimized for performance driving and may provide reduced ride comfort, increased tire noise, substantially increased treadwear and greater susceptibility to damage compared with H-rated tires.

Please make sure that your customers are aware of the above during the sales process.



A. S 430 and S 500 — 17"

B. S 430/S 500 4MATIC — 17"

C. S 55 AMG — 18"

D. S 600 — 18"

E. AMG Sport Package — 18"

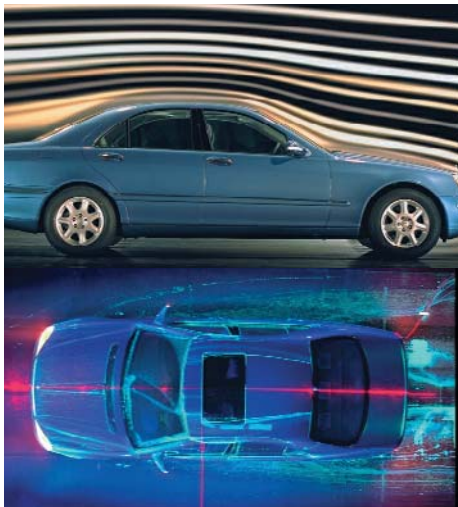
F. Appearance Package — 18"

Aerodynamics

Coefficient of drag

Extensive **wind-tunnel testing** helped the S-Class achieve its favorable aerodynamics characteristics.

- Low 0.27 **coefficient of drag** (Cd):
 - ★ low wind noise
 - ★ optimum fuel efficiency
 - ★ enhanced stability at highway speeds



Water management

Extensive measures were taken to **manage the flow of water** while driving in the rain.

- Deep channels in the A-pillars direct water onto the roof, while channels on the roof guide water to the rear.
- Water tends to flow rearward, around the rear window and off the body.
- Exterior mirrors help divert water away from the front side windows.
 - ★ helps maintain optimal driver vision through all windows

Rear 3/4 features

Taillamps

The S-Class taillamps are **aerodynamically designed** with four white ribs incorporating the turn signals and backup lamps.

- ★ helps reduce the buildup of dirt and snow on the taillamp lenses
- ★ enhances visibility in inclement weather

- The **brake lamps** use light-emitting diodes (LEDs) rather than ordinary bulbs.
 - ★ LEDs illuminate more rapidly to alert the driver behind you with less delay
 - ★ longer life expectancy
- A **single red rear foglamp** is integrated in the driver-side taillamp cluster.
 - ★ increases the car's visibility to vehicles traveling behind it in foggy conditions



Antenna systems

- The **AM/FM radio antenna** is embedded in the rear window glass.
 - ★ reduces chance of damage from vandalism or automatic car washes
 - ★ generates no wind noise
- The **GPS antenna** for the Tele Aid and navigation systems is mounted near the top of the rear window.
- The antenna for optional **SIRIUS Satellite Radio** installs on the trunk lid.

Trunk

The trunk lid of every S-Class opens at bumper height, for a low liftover height.

- ★ facilitates loading and unloading of cargo

An illuminated green button allows the trunk to be **opened from inside**. The lamp stays on for 30 minutes after the lid is closed.

- ★ helps prevent being trapped in trunk

The trunk can be **opened remotely** via the SmartKey or an interior switch mounted on the driver's door panel.

A **trunk handle** automatically extends from above the license-plate recess when the trunk lock is pressed. It retracts after the trunk lid is closed.

- ★ helps keep users hands cleaner
- ★ helps reduce fingerprints and scratches on the paintwork

Electronic trunk closer

- Optional on all S-Class models
 - ★ adds greatly to convenience when approaching or leaving car with an armful of packages, especially in the rain

◆ More info: Tech Guide, p. 48



Exterior details

Vision and visibility

Windshield wipers feature a dual-arm design with an **eccentric-sweep** mechanism on the passenger-side wiper arm.

- ★ increases area swept by wipers

Windshield washers have heated nozzles.

- ★ heated fluid is more effective, especially in cold weather

◆ More info: Tech Guide, p. 23



Heated power mirrors

The standard power-adjustable side mirrors are **automatically heated**.

- Left-side mirror is **auto-dimming**.
- Driver's seat **memory** includes the positions of the side mirrors.
- Housings integrate **LED turn signals**, as well as **courtesy lamps** underneath.
- Mirrors feature **power fold-in** feature.
 - Can be programmed to **fold and unfold automatically** when car is remote-locked and unlocked

◆ More info: Tech Guide, p. 24

Exterior options

designo editions

designo editions feature **exclusive metallic paint** choices:

- **designo Silver** (Silver Edition, not available on S55 AMG)
- **designo Mocha Black** (Espresso Edition)
- **designo Graphite** (Graphite Edition)



designo Silver Edition



designo Espresso Edition



designo Graphite Edition

AMG Sport Package

- Optional on S 430, S 500 and S 600
 - Includes **AMG-design lower bodywork** (nearly identical to S 55 AMG):
 - Aggressively styled **front apron** with wire mesh inserts for air intakes
 - Chiseled **side skirts**
 - Contoured rear bumper and **apron**
 - Staggered-width **AMG thin-spoke monoblock wheels**¹:
 - **8.5 x 18** front
 - **9.0 x 18** rear
 - **8.5 x 18** front and rear on models also equipped with 4MATIC™ all-wheel drive
 - Staggered-width **high-performance tires**:
 - **245/45 ZR 18** front
 - **265/40 ZR 18** rear
- ★ *wheel/tire setup offers enhanced roadholding characteristics*
- ★ *helps minimize undesirable effects of wide tires on handling in snow*



S500 with AMG Sport Package

Appearance Package

- Optional on S 430 and S 500
 - Optional at no extra charge on S 600
 - Consists of stylish **18" wheels** and high-performance tires²
 - Wheels measure **8.0 x 18** front and rear
 - 5-spoke design is light in weight and enhances appearance.
- ★ *wheel/tire setup offers enhanced roadholding characteristics*



Appearance Package

¹ AMG 18" wheels and accompanying high-speed-rated tires provide substantially increased treadwear and reduced ride comfort compared to H-rated tires. Serious wheel and tire damage may occur if the vehicle is operated on rough or damaged road surfaces or upon encountering road debris or obstacles.

S55 AMG exterior highlights

To match its extraordinary power, the S55 AMG features several enhancements that reflect its sporting nature.

AMG-design lower bodywork

- Dramatic **front apron** with wire mesh inserts for air intakes
- Chiseled **side skirts**
- Contoured rear bumper and **apron** with four oval **chrome exhaust tips** (two per side)

Staggered-width wheels and tires

- Polished **AMG double-spoke wheels**¹:
 - **8.5 x 18** front
 - **9.0 x 18** rear
- ★ *optimizes brake ventilation while enhancing appearance*
- **High-performance tires**:
 - **245/45 ZR 18** front
 - **265/40 ZR 18** rear
- ★ *wheel/tire setup offers enhanced roadholding characteristics*

² Z-rated tires are optimized for performance driving and may provide reduced ride comfort, increased tire noise, substantially increased treadwear and greater susceptibility to damage compared with H-rated tires.



S55 AMG

Interior overview

True luxury

As the flagship sedans of the Mercedes-Benz lineup, the S-Class offers an unparalleled array of comfort and convenience features. The interior of every S-Class is marked by tasteful design, rich materials and abundant space in every direction.

Furthermore, virtually everything inside the S-Class is designed to be user-friendly and logical, to promote not only a high level of comfort but of safety as well.



S500 Sedan



S600 Sedan



S600 Sedan wood-trimmed assist handle and vanity mirror

Design highlights

- Hand-finished genuine wood and elegant chrome trim
- Clear, logically arranged controls highlighted by large, electroluminescent analog gauges
- Switches and dials designed for both comfort and ease of use
- Abundant vents for excellent air circulation throughout the cabin
- Available 4-place seating package, offering rear-seat accommodations with nearly the same level of adjustability as those of the front

Model differences

Distinguishing interior features of the **S430**:

- Premium leather upholstery
- Hand-finished Calyptus wood trim on the dash, console, doors and shift gate
- Heated front seats

Distinguishing interior features of the **S500**:

- Glove-soft Nappa leather upholstery
- Burl Walnut trim on the dash, console, doors and shift gate

Distinguishing interior features of the **S55 AMG**:

- AMG-design upholstery in Nappa leather with perforated leather inserts and metal AMG badges
- Active Ventilated Drive-Dynamic front seats (with heating feature)
- AMG-design instrument cluster with a 200-mph speedometer³
- AMG-design sport steering wheel with raised thumbgrips and fingertip shift controls
- AMG-design door sill trim

Distinguishing interior features of the **S600** (compared to the S500):

- Exclusive Nappa leather interior treatment (including doors, dashboard and rear shelf)
- Suede-like Alcantara covering pillars, sun visors and ceiling
- Dynamic multicontour front seatbacks
- Power rear seats with dual adjustable lumbar supports
- Heated front and rear seats
- Leather and wood trimmed steering wheel and shift knob
- Additional wood trim (on overhead console, overhead assist handles, rear vanity mirror covers, rear ashtrays and rear cupholder cover)
- 4-zone climate control
- Integrated, trunk-mounted 6-CD changer
- Hands-Free Communication System with cellular telephone and voice control
- Parktronic parking-assistance system

³ Top speed electronically limited to 155 mph. Obey all speed laws.

Layout and controls

The lavish, spacious driving environment of the S-Class features **logically oriented instruments and controls**. Secondary controls are conveniently arranged for quick operation with minimal effort.

★ *provides the driver with instant access to critical vehicle information*

Instruments

The analog gauge cluster places the speedometer in a **prominent central location**, with a tachometer and gauges for coolant temperature and fuel level to either side, along with a digital clock.

A standard **multifunction display** is located within the speedometer and is operated via the steering-wheel controls.

- Gauges are **electroluminescent** and backlit whenever the vehicle is running.
 - Illumination automatically adjusts to ambient light.
- ★ *enhances appearance and clarity*
- The **S55 AMG** includes an AMG-design cluster with a 200-mph speedometer.¹
- ★ *enhances sporty appearance*
- Warning and indicator lamps** are incorporated into the instrument cluster and are visible only when illuminated.
- ★ *messages in multifunction display and*

warning lamps help keep driver informed of critical vehicle conditions

Stalk controls

- The **Touch Turn Signal** feature flashes a turn signal three times with a tap of the stalk.
 - ★ *adds convenience to lane changes*
- Tapping the **cruise control** stalk up or down allows the driver to adjust the set speed up or down in 1-mph increments.
- Available **voice control** for the phone, audio and navigation systems is activated by tapping the upper right stalk.

Lighting controls

- The “Auto” setting of the headlamp switch turns on the headlamps automatically in darkness. A **multi-element sensor looks ahead**, not just up, to provide more rapid response to dim light without unwanted oversensitivity to shade and shadows.
 - ★ *instantly turns on lights when driving into a dark garage or tunnel*
 - ★ *enhances vision, convenience and safety*
- Front and rear foglamps** are turned on by pulling the headlamp control outward:
 - **one** detent for the **front foglamps**
 - **two** detents for the both the front foglamps and single **red rear foglamp** together

★ *conveniently places all exterior lighting on-off functions in one switch*

Other controls

- Power windows all feature **one-touch express-up/down** control.
- A **lockout** control deactivates the window switches in the passenger doors.

★ *helps prevent unwanted operation*

- Power front seat controls feature **seat-shaped switches** on each front door.
- The optional **Keyless Go** engine start/stop button is located atop the gearshift knob.
- The multifunction display includes a **tire-pressure monitoring system**.

◆ **More info: Tech Guide, p. 21**



S600 Sedan

Layout of controls (left to right)

Driver's door panel (top to bottom)

- Heated/Active Ventilated² driver's seat (if equipped)
- 10-way power driver's seat and memory
- Power side mirrors
- Power windows with lockout for passenger controls
- Trunk opener

Left dash panel (top to bottom)

- Main headlamp control
- Headlamp washers²
- Parking brake release (pedal is on left side of footwell)

Instrument cluster

- Analog coolant temperature and fuel level gauges, clock, speedometer, tachometer (left to right)
- Digital outside temperature indicator
- Multifunction display (in center of speedometer)
- Transmission gear range/mode, digital clock
- Warning lamps (concealed within instrument cluster)

Steering column

- Upper left stalk: Cruise control
- Main left stalk: Turn signals/wipers/headlamp beams
- Lower left stalk: Power steering column (and heated steering wheel, if equipped)
- Upper right stalk: Voice control system² (if equipped)

Center dash panel (top to bottom)

- Parktronic distance indicators for front sensors (atop dash on left side and center)
- Main switch bank (left to right):
 - Power rear sunshade, Parktronic deactivation, ABC²/Airmatic Sport mode, ride height control, central door lock, hazard flashers, central door unlock, ESP off, rear head-restraint retractor, antitowaway protection defeat (and antitheft alarm indicator)
- COMAND with in-dash CD and DVD navigation (DVD drive is in trunk)
- Climate controls
- Ashtray and 12-volt power outlet with lighter

Center console

- Gearshift (with Comfort/Sport mode)
- Keyless Go² start/stop (atop shift knob)
- Distronic controls, passenger air-bag off indicator
- Cupholders (inside armrest)
- Tele Aid i-button and wrench button (inside armrest)

Overhead console

- Tele Aid SOS button
- Sunroof controls
- Cabin lighting and dual reading lamps
- Garage door control (underneath rearview mirror)

¹ Top speed electronically limited to 155 mph.

² Optional on some models. See Equipment charts.

Audio and communication

COMAND system

The standard Cockpit Management and Data (COMAND) system combines numerous audio and communication features into a **single control panel**:

- AM/FM stereo/weatherband **radio**
- Integrated **single-disc CD player**, concealed behind the sliding screen
- A large **6.5" color-LCD screen**
- **DVD-based navigation system** with trunk-mounted **DVD drive**
- **Hands-Free Communication System** with hands-free phone
 - Standard on S 600
 - Optional on other models

◆ **More info:** Tech Guide, p. 38–41



COMAND showing navigation screen

Multifunction controls and display

Volume, tuning and CD track selection — along with basic features of the navigation system and phone — can be accessed via the **multifunction steering-wheel controls**.

★ *allows commonly performed adjustments without taking hands off the steering wheel*

- The **multifunction display** can show:
 - Radio station and preset number
 - CD number and track
 - Digital speed, outside temperature, and distance to next maintenance service
 - Tire-pressure monitoring system
 - Navigation instructions
 - DISTRONIC information (when equipped)
 - Fuel economy, distance to empty, and trip computer data
 - Phone book (when equipped)
 - Programmable vehicle settings

★ *minimizes diversion of driver's attention*



Multifunction display showing tire-pressure monitor



Multifunction steering-wheel controls

Audio system

Bose digital surround sound

The standard Bose® Cabin Surround sound system in the S-Class utilizes innovative technologies and strategic location of its 12 speakers to deliver superior sound quality.

- **Bose AudioPilot™ technology** constantly monitors sound within the cabin and **seamlessly compensates** for unwanted noise with no perceived change in audio volume.
- **Digital Bose Cabin Surround™ sound architecture** features independent front and rear digital surround-sound channels.
 - ★ *accurate 360-degree digital surround sound for playback of audio CDs and satellite radio at every seating position*
- **Bose Centerpoint™ signal processing** provides 5.1-channel digital surround sound even from conventional stereo CDs
- **12 speakers** include:
 - Two surround speakers on the rear shelf
 - A center fill speaker in the dash
 - A high-efficiency 10" Neodymium Iron Boron woofer in the rear shelf

CD changer

The **integrated 6-disc CD changer** is located in the left side well of the trunk, under a protective cover.

- Standard on S 55 AMG and S 600
- Optional on S 430 and S 500
- Fully integrated with COMAND and Bose
- Connected via fiber-optic network
- ★ *convenient operation*
- ★ *seamless integration with vehicle systems*
- ★ *concealed installation enhances security*
- ★ *allows occupants to listen to hours of music without having to change CDs*



COMAND showing SIRIUS screen

SIRIUS Satellite Radio

Optional SIRIUS Satellite Radio seamlessly integrates with the standard COMAND head unit and all factory audio systems.

◆ **More info:** Tech Guide, p. 39
Antenna locations: S-Class Guide, p. 11

Telematics

Tele Aid is standard on all models.

◆ **More info:** Tech Guide, p. 52, 54

Seating and trim

Seating

A spacious cabin, highly adjustable seats and opulent materials endow each S-Class with a truly luxurious environment to suit the most discriminating of tastes.

Construction

All S-Class seats are constructed using durable, “breathable” seat foam.

★ *contributes to long-term durability and comfort*

- Front seats offer **deep, padded side bolsters** for comfort and support.
- Rear seats can accommodate up to three passengers and include a folding center armrest with enclosed storage and retractable dual cupholders.



Power seat control

Heated front seats

- Offer two settings: **rapid heating** and **moderate warming**
- Standard on **all models** (including S 430 for 2005)

◆ **More info:** Tech Guide, p. 45

Front seat adjustment

- Standard **14-way power adjustment** for **both front seats**:

- Fore-aft
- Seat cushion length
- Seat height
- Cushion tilt at front
- Cushion tilt at rear
- Seatback angle (recline)
- Head restraint height



- Adjusted via **seat-shaped switches on the front doors**.
- Standard **pneumatic lumbar support** is adjustable via a thumbwheel on the inside corner of the seat cushion trim

Memory and power steering column

- Every S-Class also includes:
 - A **4-way power steering column**, adjusted via a stalk on the lower left side of the steering column
 - **3-position memory** for both front seats (with the driver's seat memory recalling the position of the steering column and exterior mirrors)
 - An **easy-exit feature** that can be set via the multifunction display to move the driver's seat back almost 2.5 inches and/or raise the steering wheel to the highest position automatically when the key is removed from the ignition

Rear seats

Bench seat

- Standard on S 430, S 500 and S 55 AMG
- Includes:
 - A folding center armrest with enclosed storage under the padded lid
 - Retractable dual cupholders that slide out from the front edge of the lowered armrest



Standard rear bench seat shown in an S500

Power bench seat

- Standard on S 600
- Optional on S 430, S 500 and S 55 AMG
- See “Seating options,” at right

4-place seating package

- Optional on S 500, S 55 AMG and S 600
- See “Seating options,” at right

Head restraints

Front head restraints

- Adjust for **height and angle**, with “clamshell” design hinged at the top so the **bottom** of the head restraint moves fore and aft
- Include power height control
- ★ *helps position head restraint properly*
 - **Automatic setting** of height based on fore-aft seat movement has been **deleted for 2005 S-Class**, based on customer input.

Rear head restraints

Manually **height-adjustable** head restraints are standard for **all rear seating positions**.

- Rear head restraints can be retracted in either of two ways:
 - Each is **individually retractable**, folding flat when a button on the side of the head restraint is pushed.
 - All models also feature **remote-retractable** rear head restraints, operated via a switch on the dash.
- ★ *enhances driver's rearward vision when the rear seats are unoccupied*
- ★ *remote control enhances convenience*
- On models with power rear seats, the rear head restraints **rise automatically** when the seated occupant fastens the seat belt.
- ★ *enhances occupant safety*

Upholstery and trim

The materials found in the S-Class interior reflect high standards, including:

- Hand-polished **wood trim** enhanced with **chrome** edging
- **Fine velour carpeting**
- Stylish **stainless-steel** door sill trim
- ★ *adds a high-quality look and feel*

S 430

- Standard **premium leather** upholstery on all seat surfaces, plus door trim inserts and center armrests
- Optional glove-soft **Nappa leather** seating
 - Colors: **Charcoal, Java, Stone, Ash**
- Hand-polished **Calyptus wood** trim
- Optional **Chestnut wood** (special order¹)



S 500 Sedan

S 500

- **Nappa leather** in seating areas
 - Premium leather upholstery on other seat surfaces, plus door trim inserts and center armrests
 - Colors: **Charcoal, Java, Stone, Ash**
- Hand-polished **Burl Walnut wood** trim
- Optional **Chestnut wood** (special order¹)



S 55 AMG Sedan

S 55 AMG

- **AMG-design Nappa leather** seating with perforated inserts
 - Premium leather upholstery on other seat surfaces, plus door trim inserts and center armrests
 - Colors: **Charcoal, Java, Ash**
- Hand-polished **Burl Walnut wood** trim
- Metal **AMG badges** in seatbacks

S 600

- **Exclusive leather interior** treatment:
 - **Nappa leather** upholstery on all seat surfaces, plus dashboard, doors, door trim inserts, center armrests and rear shelf
 - Colors: **Charcoal, Java, Stone, Ash**
- Suede-like Alcantara on the pillars, ceiling and sun visors
- Hand-polished **Burl Walnut wood** trim
 - Includes **additional wood trim** on steering wheel, shift knob, overhead assist handles, rear cupholder cover and rear vanity mirror covers
- Optional **Chestnut wood** (special order¹)

Seating options

Active Ventilated front seats

- Use **miniature internal fans** to draw air from beneath the seat and expel it through perforations in the upholstery
- Optional on S 430 and S 500
- Standard on S 55 AMG and S 600

◆ **More info:** Tech Guide, p. 45



Active Ventilated seat control

Dynamic multicontour front seatbacks

- **Pneumatically adjustable chambers:**
 - Three in the lumbar region
 - Two near the shoulders
 - One in each side bolster
- Slowly **pulsating massage** feature, using the central lumbar chamber
- Optional on S 430 and S 500
- Standard on S 600

◆ **More info:** Tech Guide, p. 45

Drive-Dynamic front seats

- Automatically **inflate and deflate the side bolsters** to provide added lateral support in response to cornering forces
- Standard on S 55 AMG
- Optional on S 430, S 500 and S 600
- Include **dynamic** multicontour seatbacks

◆ **More info:** Tech Guide, p. 45

Power rear bench seat

- Standard on S 600
- Optional on S 430, S 500 and S 55 AMG
- Power-adjustable **seatback angle** — via door-mounted seat-shaped switches — for each outboard position (seat slides forward 2.4 inches, while the seatback reclines about 10 degrees)
- Also includes:
 - Pneumatic **lumbar support** for each outboard position
 - A fixed center seating position
 - **Power head restraints** (from raised to retracted position, and vice-versa) that rise automatically when occupant fastens seat belt

4-place seating package

- Optional on S 500, S 55 AMG and S 600
- Replaces rear bench seat with **two individual rear seats**, each featuring:
 - Power-adjustable **seatback angle**, via door-mounted seat-shaped switches (seat slides forward while seatback reclines)
 - Power seat cushion tilt
 - Dynamic multicontour seatbacks
 - **Power head restraints** (from raised to retracted position, and vice-versa)
- Includes a **rear center storage console** with a **wood-trimmed rolltop cover**, and **rear-passenger control** of the front passenger seat's position

¹ Vehicles with special-order equipment, colors or color combinations incur a one-time surcharge and may require additional production time.

Comfort and convenience

Climate control

Dual-zone climate control

- Standard on S 430, S 500 and S 55 AMG

Features of the system include:

- **Individual left and right temperature controls** with paddle-style up-down controls and a **digital display**
- **Individual left and right air distribution** controls feature their own automatic modes, or can be adjusted manually.
- **Blower speed** is adjusted automatically or can be controlled manually.
- Recirculation feature with “**tunnel mode**” that closes all windows and the sunroof by pushing and holding the Recirculation or charcoal filter button. (Holding either button a second time reopens them.)
- **Four adjustable vents** in dash, plus a high-volume/low-draft dash-top diffuser outlet and four **rear-seat air vents** (one in each B-pillar, two at back of console)
- **4-way sun sensor** helps compensate for the effects of directional sunlight.
 - ★ *helps maintain more a constant temperature*

◆ **More info:** Tech Guide, p. 42–43

4-zone climate control

- Standard on S 600
- Optional on S 430, S 500 and S 55 AMG

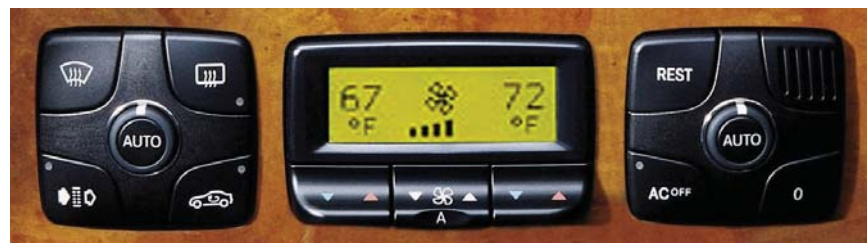
With the 4-zone system, the **four outboard passengers** can select their own individual settings.

- Front-cabin climate-control features are identical to the dual-zone system.
- **Rear-cabin** occupants can adjust their settings via a control panel with a digital display on the back of the front console.
- Includes controls for:
 - **Left and right temperature**
 - **Airflow** distribution
 - **Blower** speed, with **automatic** mode
 - Separate **rear-cabin REST mode**

★ *allows front and rear passengers to tailor climate setting to their desired comfort*



Rear-cabin controls for 4-zone climate control



Dual-zone climate control

Seat-belt usage sensors

The climate control system in every S-Class incorporates seat-belt usage sensors that detect if an occupant is belted in any given seat. The climate control system **focuses first on the seats that are occupied.**

★ *expedites heating or cooling the regions of the vehicle that are occupied, enhancing comfort for passengers*

REST mode

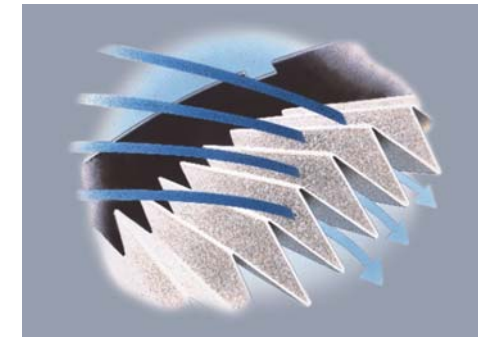
The S-Class features a residual engine-heat utilization (REST) mode that can be used when the vehicle is parked and shut off.

- Circulates residual engine heat, or ventilates the cabin, for up to 30 minutes after engine is shut off.
 - Shuts off sooner if battery strength or engine heat are insufficient

★ *enhances comfort when waiting in or returning to a parked vehicle*

Filters and sensors

All S-Class models include a number of climate-control features to help promote the comfort and well-being of their occupants:



Dust filter

- **Dust and pollen filter** helps trap airborne particles five microns or larger.
- **Activated charcoal filter** can be turned on to help reduce airborne odors.
- **Smog sensor** can shut off incoming air and recirculate filtered cabin air if it detects an increase in ambient pollution.
- **Humidity sensor** helps prevent window fogging or overdrying of cooled air.

◆ **More info:** Tech Guide, p. 42–43

Convenience features

Sunroof

Every S-Class comes standard with a **power glass sunroof** that tilts for ventilation or fully retracts into the roof.

- Made of deep-tinted **heat-reflecting glass**
- Manually retractable **sunshade** can block direct sunlight when roof is closed.
- Express-open/close feature allows one-touch operation.
 - Includes obstruction sensor
- **Memory function** recalls the last open sunroof position used, and returns directly to this position when the driver uses the express-open feature.
- Can be opened remotely with SmartKey

◆ **More info:** Tech Guide, p. 34



Power rear-window sunshade

A **fine mesh screen** inside the cabin can be raised or lowered to help reduce glare through the rear window.

- Operated by a switch in center of dash
- Includes **one-touch** express-up/down
- ★ *helps shield rear seat area from direct sunlight without significantly compromising rearward vision*
- ★ *helps keep cabin cooler on sunny days*

Central locking

All four doors, the trunk lid/tailgate, and the fuel filler door can be locked or unlocked via switches on the **center dash panel**.



- **Unlocking the driver's door** via the lock knob on the door—or by opening the door—also **unlocks the fuel filler door**.
- The **driveaway locking** feature can be programmed via the multifunction display to automatically lock the doors when the car reaches 9 mph.

◆ **More info:** Tech Guide, p. 34

Garage door control

Garage door openers and security gates that are compatible with HomeLink® and some other systems can be opened by a programmable **3-button control** integrated into the rearview mirror housing.

◆ **More info:** Tech Guide, p. 35

Power windows with express-up/down

Power windows in every door are operated by a master control panel on the driver's door, or by individual switches on each door.

- **Express-up/down** feature fully opens or closes a window with a single push on the window button (past the detent).
- **Obstruction sensor** reverses a rising window if an obstruction is detected.
- Windows can be opened remotely with SmartKey.

◆ **More info:** Tech Guide, p. 32, 50

Remote trunk opener

Pressing the trunk opener button on the driver's door **for 1.5 seconds** opens the trunk lid when the vehicle is stationary.

- The **valet lockout feature** was **deleted** during 2004.

Auto-dimming rearview mirror

Dual sensors on the inside mirror compare the light in front of the car and entering from behind the car, and **darken the inside and left-side mirrors gradually** via an electrochromic film behind the mirror lens.

- **Standard** on all models
- Incorporates **dual map reading lamps**
 - ★ *reduces reflected glare of the headlamps of following vehicles*
 - ★ *enhances driver comfort, nighttime vision and safety*

- Auto-dimming feature is **cancelled automatically** if driver shifts to **Reverse** or an **interior lamp** is switched on.
 - ★ *improves rearward vision at night*

Vanity mirrors

- **Four illuminated vanity mirrors** are **standard**.
 - Front mirrors, in sun visors, feature both normal and **magnifying** lenses.
 - Rear mirrors fold down from ceiling.

Cruise control

- Cruise control is **standard** on all models.
- **Distronic** adaptive cruise control is optional.

◆ **More info:** Tech Guide, p. 46



Ambient interior lighting

Soft **environmental comfort lighting** provides a **gentle glow** to front and rear footwells, all door handles and the console.

- **Amber LEDs** provide gentle illumination.
 - **Automatically activated** in darkness, regardless of headlamp use
- ◆ **More info:** Tech Guide, p. 50

12-volt power outlets

- One with the lighter in the **front ashtray**
- One in **each rear ashtray** (in the doors)

Trip computer

A digital trip computer in the **multifunction display** (see page 15) can show useful **traveling information** such as average speed, fuel economy, and distance to empty.

◆ **More info:** Tech Guide, p. 49



Rain sensor

- Rain-sensing **intermittent wipers** are **standard** on all S-Class models.

◆ **More info:** Tech Guide, p. 50

Comfort and convenience continued

Comfort options

Keyless Go

- The Keyless Go unlocking and engine starting system is **optional** on all models.
- ◆ **More info:** Tech Guide, p. 48

Distronic adaptive cruise control

- Optional on all models
- ◆ **More info:** Tech Guide, p. 46

Parktronic parking assistance system

- Standard on S 600
- Optional on all other models
- ◆ **More info:** Tech Guide, p. 51

Rear side-window shades

Manual **roller-type** shades for the rear side-door windows are **optional** on all models.

★ *expands benefits of power rear-window sunshade to side windows*

★ *adds privacy for rear-seat passengers*

Heated steering wheel

- Optional on S 430, S 500 and S 600
- Not available on S 55 AMG or with *designo* editions
- ◆ **More info:** Tech Guide, p. 51

Wood and leather steering wheel

A wood and leather trimmed steering wheel is available in **Burl Walnut** or **Chestnut** wood to match the interior.

- Optional on S 430 and S 500
- Standard on S 600
- Requires special-order Chestnut wood trim¹ on S 430
- Included in S 430, S 500 and S 600 *designo* editions with matching wood
- Not available on S 55 AMG

designo editions

Three *designo* editions are offered for 2005:



- **designo Silver Edition:**
 - Available on S 430, S 500 and S 600
 - Not available on S 55 AMG
 - Stone interior with Stone Nappa leather and Brown Poplar wood trim



- **designo Espresso Edition:**
 - Charcoal interior with Light Brown Nappa leather and Natural Elm wood



- **designo Graphite Edition:**
 - Charcoal interior with Graphite Nappa leather and Brown Poplar wood

◆ **More info:** Tech Guide, p. 56

Cargo and storage

Cabin storage areas



Multiple compartments

The S-Class can accommodate a variety of items in its abundant storage areas:

- A full-size **illuminated glovebox** with a compartment for pens, cards, etc.
- A **small drawer** in the console
- A **pocket** in each door
- **Front center console** featuring two levels of storage, with illumination and a climate control vent in the lower compartment
- **Parcel net** in front passenger's footwell
- Gathered **magazine pockets** on the back of each front seat
- Compartments in the front trim panel of each **front seat**
- Storage inside the **rear center armrest**

Cupholders

- Two in the **front center console**, in the right segment of the center armrest
- Two in the **rear center armrest**

Cargo area

Trunk

The S-Class sedans feature a fully lined, generously sized trunk (**15.4 cu ft**) that allows easy loading and unloading of cargo through a **wide, low-liftover opening**.

- Dual trunk lamps are included.
- The hinges are fully enclosed in the trim.
★ *helps prevent damage to luggage*

Trunk closing assist and handle

- Standard **pneumatic closing assist** pulls the trunk lid fully snug once it is lightly latched.
- An **automatically extending handle** assists opening and closing (see page 11).

Electronic trunk closer

- Optional on all models
- ◆ **More info:** Tech Guide, p. 48

Tie-down rings

The S-Class includes tie-down rings in each corner of the trunk to help secure cargo and to attach accessory cargo nets.

¹ Special-order option. Vehicles with special-order items, colors or trim combinations incur a one-time surcharge and may require additional production time.

² Optional at no extra charge on S 430 and S 500. Not available on S 55 AMG or S 600.

³ Double wishbone front suspension with optional 4MATIC.

Mechanical overview

Eager to please, fun to drive, born to lead

From its rock-solid foundation to its scintillating powertrains to its state-of-the-art safety systems to its smooth ride and surefooted handling, all mechanical components of the S-Class are thoroughly engineered to deliver an unparalleled combination of powerful and poised performance, confidence-inspiring safety, and irresistible driving pleasure.



S 500 Sedan

Mechanical highlights

- State-of-the-art **V-8**, supercharged **AMG V-8** and **twin-turbo V-12** engines deliver efficient power and torque that ranges from abundant to incredible.
- Standard **rear-wheel drive** offers sporty, balanced handling characteristics.
- Available **4MATIC™** all-wheel drive² ensures superb handling confidence in a variety of driving conditions in any season.
- Ultra-responsive speed-sensitive **power rack-and-pinion steering** affords precise response and confident control.
- Refined **4-wheel independent multilink suspension**³ provides crisp, responsive handling with excellent ride comfort.
- Standard Airmatic air suspension on the S 430 and S 500 further enhances ride and handling poise.
- Available **Active Body Control (ABC)** provides even more remarkable control.
- 4-wheel disc brakes with ABS and emergency-sensing Brake Assist help keep stops shorter and more secure.
- Standard **safety advantages** range from our Electronic Stability Program (ESP) to the **10-way protection of eight standard air bags** to the revolutionary **PRE-SAFE®**.

Engines and transmissions

4.3-liter V-8 and 5.0-liter V-8

The 4.3-liter V-8 engine in the **S430** models and the 5.0-liter V-8 in the **S500** models offer refined, strong and efficient performance.

S430 basic engine specs

- Peak power: **275 hp** @ 5,750 rpm
- Peak torque: 295 lb-ft @ 3,000–4,400 rpm
- Displacement: 4,266 cc

S500 basic engine specs

- Peak power: **302 hp** @ 5,600 rpm
- Peak torque: 339 lb-ft @ 2,700–4,250 rpm
- Displacement: 4,966 cc



Engine features

- Cast aluminum block and heads
- Extremely durable silicon-aluminum alloy SILITEC cylinder liners
- Single overhead camshafts (SOHC) with three valves per cylinder
- Two-stage intake manifold
- Twin-spark ignition
- Fuel requirement: premium unleaded gasoline (91 pump octane)

◆ More info: Tech Guide, p. 14–15

Supercharged 5,439-cc AMG V-8

The handcrafted **supercharged V-8** in the **S55 AMG** features numerous enhancements that allow it to produce high output while retaining its docile around-town behavior and legendary Mercedes-Benz durability.

S55 AMG basic engine specs

- Peak power: **493 hp** @ 6,100 rpm
- Peak torque: 516 lb-ft @ 2,750–4,000 rpm
- Displacement: 5,439 cc



Engine features

- Handcrafted by a single AMG technician
- Hand-matched major components for exacting tolerances
- Individually balanced, reinforced crankshafts
- Enlarged fuel injectors
- Forged aluminum pistons
- Aggressively profiled camshafts
- Low-backpressure exhaust system
- Twin-spark ignition
- Intercooled, helical high-pressure supercharger
- Fuel requirement: premium unleaded fuel (91 pump octane)

◆ More info: Tech Guide, p. 18

Twin-turbo 5.5-liter V-12

The state-of-the-art twin-turbocharged V-12 engine in the **S600** is one of the world's most powerful automobile engines, yet is designed to perform effortlessly and with unmatched smoothness.

S600 basic engine specs

- Peak power: **493 hp** @ 5,000 rpm
- Peak torque: 590 lb-ft @ 1,800–3,500 rpm
- Displacement: 5,513 cc

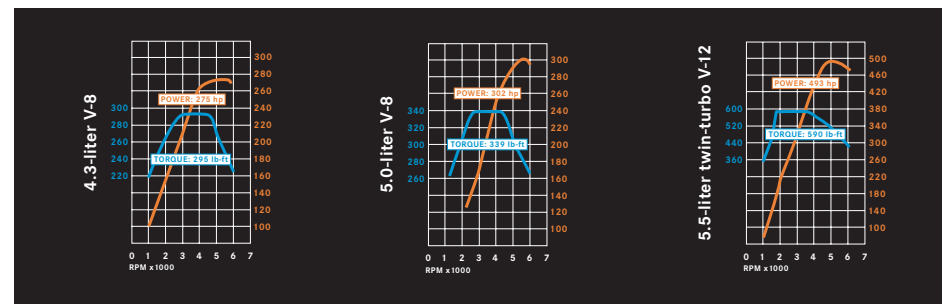


Engine features

- Cast aluminum two-piece block and heads
- Extremely durable silicon-aluminum alloy SILITEC cylinder liners
- Single overhead camshafts (SOHC) with three valves per cylinder

- Twin-spark ignition
- Hand-matched engine components for exacting tolerances
- One turbocharger per cylinder bank, integrated into exhaust manifolds
- One liquid-to-air intercooler per turbocharger, supported by a separate low-temperature cooling system
- Double-hardened, polished crankshafts
- Magnesium cylinder head covers

◆ More info: Tech Guide, p. 15



Transmissions

5-speed automatic

Some models feature an **electronically controlled 5-speed** automatic transmission.

- **Standard** on S 600 and 4MATIC™ models
- ◆ **More info:** Tech Guide, p. 16–17
- **Standard** on S 55 AMG, with specific AMG modifications
- ◆ **More info:** Tech Guide, p. 18



7-speed automatic

The **rear-wheel-drive S 430 and S 500 Sedans** feature the industry's first 7-speed automatic transmission.

- ◆ **More info:** Tech Guide, p. 16–17

Other transmission features

Every S-Class transmission includes a number of enhancements designed to make driving more satisfying, such as:

- **Touch Shift** manual-style control
- **Driver-adaptive** programming
- **Comfort** mode
- **Shift into Optimum Gear**
- ◆ **More info:** Tech Guide, p. 16–17

ESP

Electronic Stability Program

Every S-Class features our Electronic Stability Program (ESP).¹

★ *ESP helps maintain the driver's intended course through a turn by correcting oversteer and understeer*

Traction control

ESP incorporates the functions of Automatic Slip Control, an **all-speed traction control** system.¹

★ *Automatic Slip Control helps counteract wheelspin under acceleration*

- ◆ **More info:** Tech Guide, p. 7

1 No system, no matter how sophisticated, can repeal the laws of physics. Performance is limited by available traction, which snow, ice and other conditions can affect. Always drive carefully, consistent with conditions. Best performance in snow is obtained with winter tires.

4MATIC all-wheel drive

Full-time all-wheel drive

4MATIC is an **permanent, full-time all-wheel drive** system.¹ It is always active.

- **Optional** on S 430 and S 500 Sedan only, at **no extra charge** for 2005
- Includes **5-speed** automatic transmission and unique 7-spoke wheels
- 4MATIC sends torque to **all four wheels** under **normal driving conditions**:
 - 40% to the front axle
 - 60% to the rear axle
- ★ *maintains a sporty, rear-wheel-drive feel*

- ◆ **More info:** Tech Guide, p. 6–7

4MATIC includes 4-ETS

The 4-wheel Electronic Traction System (4-ETS) **continually balances the torque split** among the four wheels, to **counteract wheelspin** in low-traction situations.

- 4-ETS monitors the speed of all four wheels to detect **wheel slip**, then applies individual brakes as needed and/or reduces excess engine power.

- 4-ETS ensures that power is permitted to flow to the wheel or wheels with traction, even if that's only **a single wheel**.

4MATIC offers numerous benefits:

- ★ *improved traction in all conditions*
- ★ *enhanced cornering stability*
- ★ *reduced risk of hydroplaning*

- ◆ **More info:** Tech Guide, p. 6–7

Unique front suspension

S-Class models with 4MATIC are equipped with **double wishbone front suspension** in place of the standard 4-link design.

★ *helps accommodate additional driveline components while retaining excellent ride comfort and handling characteristics*

4MATIC and the AMG Sport Package

S-Class models with both 4MATIC and the AMG Sport Package are equipped with **four equal-size tires** in place of the customary staggered-width tires of the Package.

★ *less-wide tires provide more favorable control in snow*



S 430 4MATIC Sedan

Handling and braking

4-wheel multilink design

All rear-wheel-drive S-Class models come standard with a **4-wheel independent multilink suspension**.

- Front: **4-link** configuration (double wishbone on 4MATIC™ models)
- Rear: **5-arm multilink** design
- ★ *provides poised, crisp, sporty handling*

4-link front suspension

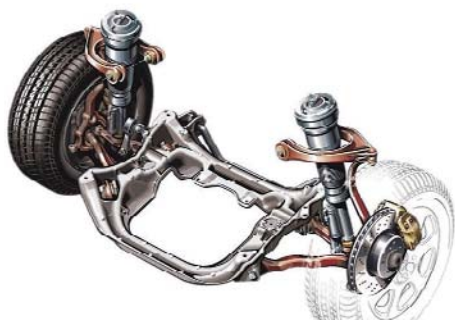
For each front wheel, the 4-link design consists of:

- An upper wishbone mounted to the body
- Two lower links mounted to the front subframe
- A stabilizer bar (Airmatic models only)
- ★ *helps reduce body lean in turns*
- A tie rod
- ★ *helps locate the wheel*

5-arm multilink rear suspension

The legendary **5-arm multilink rear suspension** virtually eliminates all unwanted types of wheel movement.

◆ **More info:** Tech Guide, p. 8



4-link front suspension

Suspension types

Airmatic air suspension

Airmatic is a pneumatic suspension system that replaces the traditional steel springs and gas-pressurized shock absorbers with electronically controlled **air spring-struts**.

- **Standard** on S 430 and S 500

Key features of Airmatic include:

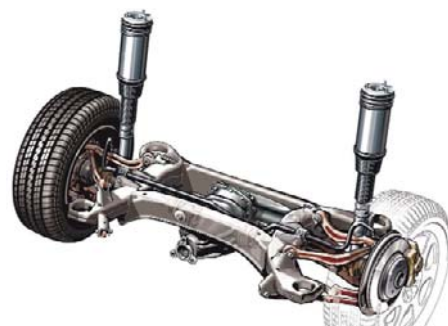
- **4-wheel automatic level control**
- **Automatic lowering** at higher speeds¹
- Driver-selectable **ride height**

ADS II

ADS II is an electronically controlled system that instantly adjusts Airmatic's spring-struts to the road and driving conditions to optimize ride and handling.

- ADS automatically selects one of **four damping profiles** every time a wheel changes its **direction of up-down travel**.
- Driver-selectable **Comfort** and dual **Sport modes** vary how much body motion is required for ADS to select the next profile.

◆ **More info:** Tech Guide, p. 9



5-arm multilink rear suspension

ABC (Active Body Control)

Active Body Control is an advanced **active suspension** that features a coil spring, an electronically controlled hydraulic cylinder and shock absorber at each wheel.

- **Standard** on S 55 AMG and S 600
- **Optional** on S 430 and S 500

ABC features include:

- A network of **sensors** that monitor body motions and driver inputs
- **High-pressure hydraulics** to rapidly adjust the suspension
- Driver-selectable **Sport mode** that offers virtually flat cornering
- **4-wheel automatic level control**
- **Automatic lowering** at higher speeds¹
- Driver-selectable **ride height**

◆ **More info:** Tech Guide, p. 9

AMG enhancements

The S 55 AMG features a specifically calibrated version of ABC that incorporates **firmer, AMG-tuned gas shocks**.

★ *further sharpens the suspension's responsiveness to match the expanded performance potential of the higher-output engine, transmission and brakes*

◆ **More info:** Tech Guide, p. 18

Steering

Speed-sensing rack-and-pinion design

Every S-Class features precise **rack-and-pinion** steering with these features:

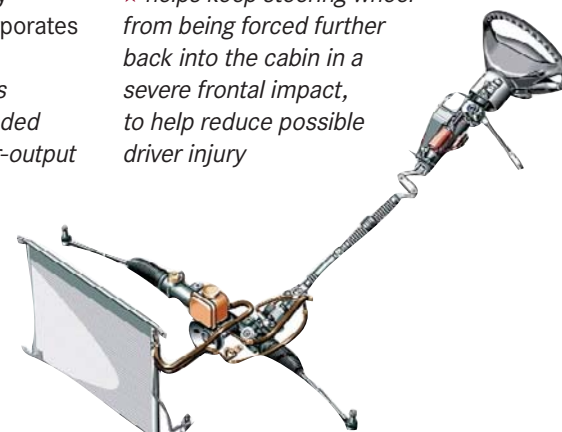
- **Vehicle-speed-sensitive** power assist
- ★ *provides greater power assist in low-speed maneuvers, such as parking*
- ★ *gradually reduces power assist as driving speed increases, for greater "feel of the road" and handling response*
- **Lightweight, sturdy design**
- ★ *helps optimize weight distribution*
- **2.8 steering wheel turns** lock-to-lock
- ★ *offers quick response to steering inputs*

A **steering damper** is incorporated into the hydraulic design.

- ★ *reduces vibration and wheel shudder*
- ★ *helps absorb rough-road "steering shock"*
- ★ *enhances comfort*

The **steering column** is designed to deform under the force of a severe frontal impact.

- ★ *helps to maintain proper air-bag position*
- ★ *helps keep steering wheel from being forced further back into the cabin in a severe frontal impact, to help reduce possible driver injury*



Rack-and-pinion steering

Brakes

Brake system hardware

- **4-wheel disc brakes**, with:
 - Perforated and internally ventilated front discs (all models)
 - Ventilated rear discs (S 430 and S 500)
 - Perforated and internally ventilated rear discs (S 55 AMG and S 600)
- Antilock Braking System (ABS)
- Emergency-sensing **Brake Assist**
- Electronic Brake Force Distribution

Every S-Class features **generously sized brake components** suited to the performance needs of each model.

★ *provide excellent stopping power with minimal fade*

Multipiston calipers

All S-Class models feature multipiston brake calipers on the front and rear brakes:

- **S 430, S 500 and S 600:**
4-piston front, dual-piston rear
- **S 55 AMG:**
8-piston front, 4-piston rear

◆ **More info:** Tech Guide, p. 12



Perforated rotors

The perforations in the brake discs are cast in place, rather than drilled after the fact.

★ *cast-in-place holes do not create the stress points associated with drilling, thereby helping maintain the strength and structural integrity of the rotors*

★ *perforations facilitate cooling of the brake discs, maximizing stopping power with minimal fade, even in extreme use*

◆ **More info:** Tech Guide, p. 12



Electronic Brake Force Distribution

Electronic Brake Force Distribution varies the **front-to-rear** brake force depending on the **steering** situation, delivering more brake pressure to the rear brakes in **straight-line braking** than in corners.

★ *ensures proper brake proportioning for differing load and maneuvering conditions*

★ *helps promote even brake-pad wear by allowing more rear-wheel contribution to straight-line braking compared to braking while cornering*

Emergency-sensing Brake Assist

Brake Assist applies **full power braking boost** in a panic stop, which the system recognizes by the speed at which the driver presses the brake pedal.

★ *potentially shortens panic stops by eliminating the delay caused by a common human tendency not to brake hard enough, soon enough, in an emergency²*

◆ **More info:** Tech Guide, p. 20

ABS

The **Antilock Braking System** detects the onset of wheel lockup under heavy braking and pumps the brakes up to 30 times per second (the front wheels individually, the rear wheels together).

★ *helps prevent wheel lockup*

★ *allows driver to retain steering control and perform evasive maneuvers*

AMG enhancements

The S 55 AMG features **specific brake components**, all to match this model's high-performance character:

- Larger (14.2" diameter) **perforated and internally ventilated** front brake discs with **8-piston** AMG calipers
- Larger (13.0" diameter) **perforated and internally ventilated** rear brake discs with **4-piston** calipers

◆ **More info:** Tech Guide, p. 18

¹ Obey all speed laws.

² Braking effectiveness also depends on proper brake system maintenance, and tire and road conditions.

Body construction

Monocoque structure

The S-Class is built with a **monocoque** structure, incorporating both the body and frame into the same sheet metal.

◆ **More info:** Tech Guide, p. 26

Many of the body panels and components are made of **aluminum**.

★ *provides high strength with light weight*

Innovative sheet metal

High-strength/low-alloy (HSLA) steel (shown in red below) is used extensively.

- HSLA is up to **three times stronger** than lower-carbon steel.
- HSLA is used for approximately **38% of the body** structure (by weight).
- ★ *helps create exceptional overall rigidity*
- ★ *provides added strength in critical areas*
- ★ *enhances safety and durability*

In addition to HSLA steel, the thickness and stamping of various body panels helps promote body strength.

- **Variable-thickness body components**
 - Thicker panels for body areas subject to high stress levels in an impact



- **Optimized forming**
 - Panel shapes and cross-sectional structures optimized for strength and management of impact forces

Subframe-mounted components

A separate aluminum subframe helps hold the engine and front suspension components.

- ★ *saves weight*
- ★ *helps insulate noise and vibration*

Rigid body elements

The body structure consists of numerous interconnected elements:

- **Body pillars** from the floor to roof. Each of the six pillars features **triple-layer construction**, including a layer of HSLA.
 - ★ *affords maximum strength*
 - ★ *supports doors more effectively*
- **Body crossmembers** in the roof, bulkhead and under the cabin floor
 - ★ *enhance rigidity and lateral strength*
- The **windshield** is bonded to the body by a quick-drying adhesive.
 - ★ *allows the windshield to become part of the body structure, further increasing overall body rigidity*

Crashworthiness

Advanced crumple zones

- Help dissipate the forces of severe front and rear impacts, and include:
 - **staggered underhood components** designed to deform systematically
 - full-width front and rear crossmembers to help manage offset collisions better

◆ **More info:** Tech Guide, p. 26



Body structure enhancements

- **HSLA-reinforced driveshaft tunnel**
 - Connected to the side members by crossmembers under the front seats
 - ★ *helps to deter driveshaft intrusion*
- **Bolt-on modules**
 - Transverse aluminum and steel crossmember, held in place by **aluminum crash boxes** bolted to the frame rails
 - ★ *channel some impact energy to side not involved in a serious offset impact*
 - ★ *bolt-on, replaceable design helps reduce repair costs for minor impacts*

Extended side rails

The forward parts of the side rails **extend** forward beyond the ellipsoidal bulkhead to the rear part of the front wheel arches.

★ *designed to absorb impact energy from a wheel driven rearward in a frontal impact*



Reinforced door hardware

- Strengthened door hinges and wedge-shaped latches
- ★ *designed to enhance structural rigidity while resisting intrusion in the event of a side impact*

Driveshaft tunnel

The **HSLA-reinforced driveshaft tunnel** is connected to the side members by crossmembers under the front seats and by the laterally rigid seat frames.

★ *helps to deter driveshaft intrusion in a frontal impact*

Fuel tank

The **fuel tank** is positioned above the rear axle.

★ *location is outside of both the rear crumple zone and the passenger cabin*

Restraint systems

Beyond air bags

A comprehensive array of thoroughly tested, state-of-the-art passive safety features offered in S-Class are designed to work together to help reduce injury when an accident is unavoidable.

10-way protection from 8 air bags

The S-Class offers 10 ways in which it offers air bag protection to its occupants¹:

- Adaptive **dual-stage front air bags** for both driver and front passenger
- Four door-mounted **side-impact air bags**
- Full-length **Head Protection Curtains**, to help protect all four outboard front and rear occupants from head injury and broken glass during certain side impacts

Seat belts and other features

Seat belts

Every S-Class occupant is provided with a **3-point seat belt**.

- All outboard shoulder belts feature **Emergency Tensioning Devices (ETDs)** and **belt force limiters**.
- Front shoulder belts **automatically height-adjust** as the seats are adjusted fore-aft.
- Shoulder belts are **automatically height-adjusting** for the outboard rear seats.

Integrated rollover sensor

Every S-Class features a rollover sensor that automatically deploys the Head Protection Curtains and ETDs when a rollover is detected as being imminent.

Other supplemental restraints

- Driver's **knee bolster**
 - A padded section in the dashboard with a deformable aluminum backing
 - ★ *helps to keep driver properly positioned in seat, and helps protect driver's knees, in some frontal collisions*
- **Wedge-shaped** seat squabs beneath the seat cushions
 - ★ *help to prevent seat occupants from sliding out from under their seat belts*

Impact-considerate surfaces

- The **dashboard shell** is made of aluminum with a padded covering.
- The dash, switches and control knobs feature **smooth, rounded edges**.
- **Wood trim** is laminated with a layer of aluminum in critical areas to help prevent splintering if struck.
- **Thickly padded floor** and padded door panels help absorb some impact energy.

Head restraints

All S-Class seating positions include height-adjustable head restraints.

- All head restraints also **adjust fore-aft** for optimal support and comfort.
 - “Clamshell” design moves the lower part of the head restraint nearer the occupant's neck, for more precisely placed protection.
- On models with power rear seats, the **rear head restraints rise automatically** when the occupant's seat belt is fastened.
 - ★ *help prevent whiplash injuries*
 - ★ *adjustability extends protection and comfort to occupants of varying sizes*

◆ **More info on air bags and restraint systems: Tech Guide, p. 28–32**



1 WARNING: THE FORCES OF A DEPLOYING AIR BAG CAN CAUSE SERIOUS OR FATAL INJURY TO A CHILD UNDER AGE 13. **A CHILD UNDER 13 MUST NOT BE A PASSENGER IN THIS VEHICLE UNLESS THE CHILD IS BELTED INTO AN APPROPRIATE, PROPERLY INSTALLED BABYSMART-COMPATIBLE CHILD SEAT AND THE “PASSENGER AIR BAG OFF” INDICATOR REMAINS ILLUMINATED.** SEE OPERATOR'S MANUAL FOR ADDITIONAL WARNINGS AND INFORMATION ON AIR BAGS, SEAT BELTS AND CHILD SEATS. Photograph of air bags is for illustration purposes only. Front air bags, once inflated, begin to deflate immediately to provide a cushioning effect. The door-mounted side-impact air bags and Head Protection Curtains remain inflated after deployment.

Specifications

ENGINE	S 430 SEDAN	S 500 SEDAN	S 55 AMG SEDAN	S 600 SEDAN
Engine type Construction	4,266-cc SOHC 24-valve 90° V-8 High-pressure die-cast alloy cylinder block. Alloy heads	4,966-cc SOHC 24-valve 90° V-8 High-pressure die-cast alloy cylinder block. Alloy heads	5,439-cc AMG-built intercooled supercharged SOHC 24-valve 90° V-8 High-pressure die-cast alloy cylinder block. Reinforced crankshaft and valvetrain. Alloy heads. Lightweight camshafts. Reinforced engine block, oil pan structure, pistons, connecting rods and crankshaft	5,513-cc intercooled twin-turbocharged SOHC 36-valve 60° V-12 Two-piece high-pressure die-cast alloy cylinder block. Alloy heads and pistons. Die-cast magnesium cylinder head covers
Net power	275 hp @ 5,750 rpm	302 hp @ 5,600 rpm	493 hp @ 6,100 rpm	493 hp @ 5,000 rpm
Net torque	295 lb-ft @ 3,000–4,400 rpm	339 lb-ft @ 2,700–4,250 rpm	516 lb-ft @ 2,750–4,000 rpm	590 lb-ft @ 1,800–3,500 rpm
Compression ratio	10.0:1	10.0:1	9.0:1	9.0:1
Induction	Magnesium 2-stage resonance intake manifold increases intake runner length at lower rpm for improved response		Helical high-pressure supercharger with liquid-to-air intercooler	Twin turbochargers (one per cylinder bank, integrated in exhaust manifolds) with liquid-to-air intercoolers
Fuel and ignition system	ME 2.8 engine management	ME 2.8 engine management	ME 2.8 engine management	ME 2.7.1 engine management
	Integrated sequential multipoint fuel injection and phased twin-spark ignition includes individual cylinder control of fuel spray, spark timing and phase, and antiknock. Electronic throttle. Two high-energy ignition coils and two spark plugs per cylinder, with 100,000-mile spark plug intervals (60,000 miles on S 600). Fuel requirement: Premium unleaded , 91 pump octane			
Fuel tank capacity	23.2 gal/88.0 liters (with 2.9-gal/11.0-liter reserve)			
DRIVETRAIN				
Transmission type	7-speed automatic (S 430 and S 500 with rear-wheel drive) or 5-speed automatic (S 430 and S 500 with optional 4MATIC™ all-wheel drive)		AMG-enhanced 5-speed automatic	5-speed automatic
Driver-adaptive control Touch Shift Shift into Optimum Gear Comfort mode	Electronically controlled shifting. Driver-adaptive programming adjusts shift points to the driver's current driving style Touch Shift allows driver to manually downshift and allow upshifts by nudging the shift lever left or right from the Drive position Shift into Optimum Gear programming allows one-touch selection of the best gear for maximum acceleration or engine braking by holding the shift lever to the left of Drive for one second Driver-selectable Comfort mode starts vehicle moving in 2nd gear or a second Reverse gear, and upshifts at lower rpm, to help improve control on slippery surfaces			
AMG SpeedShift	Not available	Not available	Standard	Not available
	AMG SpeedShift™ programming provides up to 35% faster gear changes, automatically downshifts during braking, prevents unwanted upshifting while cornering, offers one-touch selection of the best gear for maximum acceleration (Shift into Optimum Gear), and features torque converter lockup in all forward gears			
Fingertip manual mode	Not available	Not available	Standard	Not available
	Fingertip manual mode allows direct-access shifting through forward gears via buttons on back of upper steering-wheel spokes (left button downshifts, right button upshifts) or via Touch Shift feature of shift lever, and will automatically intervene only to induce an upshift at redline, to downshift as needed upon full throttle, and to select 1st gear when the vehicle stops. In Sport and Comfort modes, the steering-wheel buttons operate the Touch Shift feature			
Drive configuration	Rear-wheel drive or no-charge optional 4MATIC all-wheel drive	Rear-wheel drive or no-charge optional 4MATIC all-wheel drive	Rear-wheel drive	Rear-wheel drive
Rear axle ratio	2.65:1 (3.07:1 with 4MATIC)	2.65:1 (3.07:1 with 4MATIC)	2.65:1	2.65:1
TRACTION / STABILITY				
Electronic Stability Program (ESP)	ESP compares the driver's intended course, via steering and braking inputs, to the vehicle's response, via lateral acceleration, rotation (yaw) and individual wheel speeds. ESP then brakes individual front or rear wheels and/or reduces excess engine power as needed to help correct understeer (plowing) or oversteer (fishtailing). ESP also integrates all-speed traction control, which senses drive-wheel slip under acceleration and individually brakes the slipping wheel or wheels, and/or reduces excess engine power, until control is regained¹			
4MATIC all-wheel drive with 4-wheel Electronic Traction System (4-ETS)	Optional	Optional	Not available	Not available
	4MATIC features a permanent 40/60 front/rear torque split maintained via a planetary center differential. 4-ETS monitors the speed of all four wheels to detect wheel slip, then applies individual brakes as needed to provide the effect of locking the front, rear and/or center differentials, and/or reduces excess engine power. 4-ETS continually balances the torque split to ensure that power is permitted to flow to the wheel(s) with traction. 4MATIC also incorporates the functions of ESP¹			
PERFORMANCE				
Acceleration, 0–60 mph²	6.9 seconds	6.1 seconds	4.6 seconds	4.6 seconds
Fuel economy, EPA estimate³ highway estimate⁴	18 mpg (17 mpg with 4MATIC) 26 mpg (22 mpg with 4MATIC)	16 mpg (16 mpg with 4MATIC) 24 mpg (22 mpg with 4MATIC)	14 mpg 21 mpg	12 mpg 19 mpg

1 No system, no matter how sophisticated, can repeal the laws of physics or overcome careless driving actions. Best performance in snow is obtained with winter tires. Please always wear your seat belt.
2 Stated rates of acceleration are based upon manufacturer's track results and may vary depending upon model, environmental and road surface conditions, driving style, elevation and vehicle load.
3 2004 EPA estimated fuel economy. Compare the estimated mpg to the estimated mpg of

other vehicles. You may get different mileage depending on how fast you drive, weather conditions and trip length. 2005 figures unavailable at time of publication.
4 Your actual highway mileage will probably be less than the highway estimate. 2004 figures shown. 2005 figures unavailable at time of publication.
5 Please obey local speed laws.
6 AMG 18" wheels and accompanying high-speed-rated tires provide substantially increased treadwear and reduced ride comfort compared to H-rated tires. Serious wheel and tire

damage may occur if the vehicle is operated on rough or damaged road surfaces or upon encountering road debris or obstacles.
7 Y-rated tires are optimized for performance driving and may provide reduced ride comfort, increased tire noise, substantially increased treadwear and greater susceptibility to damage compared with H-rated tires.
8 Braking effectiveness also depends on proper brake system maintenance, and tire and road conditions.

SUSPENSION / STEERING	S 430 SEDAN		S 500 SEDAN		S 55 AMG SEDAN		S 600 SEDAN	
Front suspension	Independent 4-link (double-wishbone with optional 4MATIC all-wheel drive), with antidive geometry				Independent 4-link		Independent 4-link	
Rear suspension	Independent 5-arm multilink with antidive geometry				Independent 5-arm multilink		Independent 5-arm multilink	
Airmatic air suspension with Adaptive Damping System (ADS)	Standard Electronically controlled pneumatic spring-struts integrate variable-rate shock absorbers and coil springs. Front and rear stabilizer bars. Adaptive Damping System (ADS II) continually optimizes ride and handling by automatically selecting one of four damping profiles for each spring-strut every time a wheel changes its direction of up-down travel. Dual driver-selectable sport modes engage firmer damping profiles either full-time or at lower thresholds of body movement. Automatic 4-wheel level control includes driver-selectable ride height. Automatic speed-sensitive lowering can reduce ride height by 0.4 inch at higher speeds ⁵		Standard Not available		Not available		Not available	
Active Body Control (ABC)	Optional (replaces Airmatic and ADS, not available with 4MATIC) ABC, an active suspension system , utilizes a coil spring and an electronically controlled hydraulic cylinder in series, plus a separate gas-pressurized shock absorber at each wheel. Using a total system pressure of up to 2,900 psi, ABC continually adjusts each wheel's suspension to counteract vibration, pitch, dive, squat and roll. ABC also provides automatic 4-wheel level control , driver-selectable ride height and automatic lowering at higher speeds. ⁵ Driver-selectable sport mode virtually eliminates body roll for even flatter cornering and sharper handling response				Standard , AMG-enhanced		Standard	
Steering	Rack-and-pinion with vehicle-speed-sensitive power assist and integrated hydraulic damper. Steering-wheel turns: 2.8 lock-to-lock. Turning circle: 39.7 ft/12.1 m curb-to-curb							
WHEELS / TIRES / BRAKES								
Wheels, aluminum-alloy, standard	5-spoke (7-spoke with optional 4MATIC) 7.5Jx17 front and rear		5-spoke (7-spoke with optional 4MATIC) 7.5Jx17 front and rear		Polished AMG double-spoke design ⁶ 8.5Jx18 front—9.0Jx18 rear		Highly polished forged 6-hole design 8.0Jx18 front and rear	
optional AMG Sport Package	AMG thin-spoke monoblock⁴ 8.5Jx18 front—9.0Jx18 rear (8.5Jx18 front and rear with 4MATIC)		AMG thin-spoke monoblock⁴ 8.5Jx18 front—9.0Jx18 rear (8.5Jx18 front and rear with 4MATIC)		Not available		AMG thin-spoke monoblock⁴ 8.5Jx18 front—9.0Jx18 rear	
optional Appearance Package	5-spoke design. 8.0Jx18 front and rear		5-spoke design. 8.0Jx18 front and rear		Not available		5-spoke design. 8.0Jx18 front and rear	
Tires, steel-belted radial, standard	225/55 R17 97H front and rear, all-season performance				245/45 ZR18 100Y XL front—265/40 ZR18 101Y XL rear, high-performance ⁶		245/45 ZR18 96Y XL front and rear, high-performance ⁷	
optional AMG Sport Package	245/45 ZR18 100Y XL front—265/40 ZR18 101Y XL rear, high-performance ⁶ (245/45 ZR18 100Y XL front and rear, high-performance ⁶ ; with 4MATIC)				Not available		245/45 ZR18 100Y XL front—265/40 ZR18 101Y XL rear, high-performance ⁶	
optional Appearance Package	245/45 ZR18 96Y XL front and rear, high-performance ⁷				Not available		245/45 ZR18 96Y XL front and rear, high-performance ⁷	
Brake system Front discs/calipers Rear discs/calipers	Dual-circuit power-assisted 4-wheel disc 13.0" perforated and internally ventilated/Brembo 4-piston fixed 11.8" internally ventilated/dual-piston fixed				AMG-enhanced dual-circuit power-assisted 4-wheel disc 14.2" perforated and internally ventilated/AMG 8-piston fixed 13.0" perforated and internally ventilated/AMG 4-piston fixed		Dual-circuit power-assisted 4-wheel disc 14.2" perforated and internally ventilated/Brembo 4-piston fixed 13.0" perforated and internally ventilated/dual-piston fixed	
Antilock Braking System (ABS)	ABS senses impending wheel lockup under heavy braking and pumps the front brakes individually or the rear brakes together (to help maintain stability) as needed up to 30 times per second, to prevent lockup and maintain steering ability							
Brake Assist	Brake Assist senses emergency braking via the speed at which the driver presses the brake pedal and immediately applies maximum available power boost, potentially reducing the overall stopping distance by eliminating the delay caused by a common human tendency not to brake hard enough, soon enough. Letting up on the brake pedal releases Brake Assist ⁸							
Electronic Brake Force Distribution	Electronic Brake Force Distribution helps ensure proper brake proportioning for differing vehicle load and maneuvering conditions, and promotes more even brake-pad wear by allowing for a greater rear-wheel contribution to straight-line braking compared to braking while cornering							
EXTERIOR DIMENSIONS	S 430 SEDAN		S 500 SEDAN		S 55 AMG SEDAN		S 600 SEDAN	
Wheelbase	121.5 in/3,085 mm		121.5 in/3,085 mm		121.5 in/3,085 mm		121.5 in/3,085 mm	
Overall length	203.1 in/5,158 mm		203.1 in/5,158 mm		203.1 in/5,158 mm		203.1 in/5,158 mm	
Overall height	57.2 in/1,454 mm		57.2 in/1,454 mm		57.2 in/1,454 mm		57.2 in/1,454 mm	
Overall width	73.0 in/1,855 mm		73.0 in/1,855 mm		73.0 in/1,855 mm		73.0 in/1,855 mm	
Track, front and rear	62.0 in/1,574 mm		62.0 in/1,574 mm		62.0 in/1,574 mm		62.0 in/1,574 mm	
Coefficient of drag	0.27		0.27		0.27		0.27	
Curb weight	4,160 lb/1,887 kg (4,390 lb/1,991 kg with 4MATIC)		4,170 lb/1,891 kg (4,390 lb/1,991 kg with 4MATIC)		4,300 lb/1,950 kg		4,610 lb/2,090 kg	
INTERIOR DIMENSIONS	FRONT	REAR	FRONT	REAR	FRONT	REAR	FRONT	REAR
Headroom	37.6 in/956 mm	38.4 in/976 mm	37.6 in/956 mm	38.4 in/976 mm	37.6 in/956 mm	38.4 in/976 mm	37.6 in/956 mm	38.4 in/976 mm
Legroom	41.3 in/1,050 mm	40.3 in/1,023 mm	41.3 in/1,050 mm	40.3 in/1,023 mm	41.3 in/1,050 mm	40.3 in/1,023 mm	41.3 in/1,050 mm	40.3 in/1,023 mm
Shoulder room	59.2 in/1,503 mm	58.3 in/1,480 mm	59.2 in/1,503 mm	58.3 in/1,480 mm	59.2 in/1,503 mm	58.3 in/1,480 mm	59.2 in/1,503 mm	58.3 in/1,480 mm
Cabin capacity	105.0 cu ft/2,973 liters		105.0 cu ft/2,973 liters		105.0 cu ft/2,973 liters		105.0 cu ft/2,973 liters	
Trunk capacity	15.4 cu ft/436 liters		15.4 cu ft/436 liters		15.4 cu ft/436 liters		15.4 cu ft/436 liters	

Standard equipment

S 430 SEDAN	S 500 SEDAN	S 55 AMG SEDAN	S 600 SEDAN	
EXTERIOR APPEARANCE				
□ ¹	□ ¹	■	□ ¹	AMG-design front air dam with mesh air intakes, side skirts and rear apron
–	–	–	■	Dual chrome exhaust tips
–	–	■	–	Four polished stainless-steel exhaust tips
EXTERIOR FEATURES				
■	■	■	■	Power tilt/sliding tinted glass sunroof with one-touch express-open/close and memory
■	■	■	■	Dual power mirrors, linked to driver's seat memory and automatically heated
■	■	■	■	Power fold-in for side mirrors. Driver-programmable automatic folding feature retracts side mirrors upon remote-locking of car, and folds mirrors out when car is unlocked and a front door is opened
■	■	■	■	Auto-dimming left-side mirror
■	■	■	■	Parking-assist right-side mirror can be programmed to tilt down upon shifting to Reverse
■	■	■	■	Electrically heated rear window with auto-shutoff based on time, driving speed and outside temperature
■	■	■	■	Dual aero-blade windshield wipers
■	■	■	■	Heated washer system, including nozzles, lines and reservoir. Heated wiper parking position
■	■	■	■	Infrared rain sensor automatically adjusts wiper speed and intermittent wiper frequency from infinite delay to constant wiping, based on amount of rainfall measured on windshield
■	■	■	■	Infrared-reflective glass helps reduce radiant heat penetration
■	■	■	■	Laminated side glass helps reduce UV penetration
EXTERIOR LIGHTING				
■	–	–	–	Variable-focus halogen headlamps with projector low beams and clear high-impact polycarbonate lenses
□ ¹	■	■	■	Bi-Xenon High Intensity Discharge low-beam and high-beam headlamps with automatic level control, halogen auxiliary high beams, clear high-impact polycarbonate lenses, and heated headlamp washers
■	■	■	■	Halogen front foglamps. Single red rear foglamp, integrated in left taillamp cluster
■	■	■	■	Driver-selectable light-sensing headlamps can be set via the Auto position of the headlamp switch to automatically illuminate in darkness, and when entering dark tunnels or parking garages
■	■	■	■	Driver-programmable Daytime Running Lamps illuminate low-beam headlamps at reduced intensity (full intensity for optional Bi-Xenon lamps) in daylight, with auto-on override in darkness
■	■	■	■	Automatic lamp substitution uses a nearby lamp if a critical bulb fails
■	■	■	■	Touch Turn Signals flash three times with one touch of turn-signal lever, for lane-changing. Auxiliary LED turn signal indicators are integrated with side mirror housings
LOCKING / SECURITY				
■	■	■	■	SmartKey uses an electronic code to unlock the gearshift and ignition. Removing SmartKey from ignition disables engine computer to help prevent unauthorized starting
■	■	■	■	SmartKey remote control integrates: Door lock/unlock buttons. Trunk opener. Removable valet key. Panic alarm. Driver may selectively unlock only the driver's door and fuel filler, or all doors plus the trunk/tailgate and fuel filler

S 430 SEDAN	S 500 SEDAN	S 55 AMG SEDAN	S 600 SEDAN	
LOCKING / SECURITY				CONTINUED
■	■	■	■	SmartKey remote locking uses redundant infrared and radio-frequency signals for improved range, and rolling-code signal for protection from transmitter cloning
■	■	■	■	SmartKey offers infrared-remote opening/closing of windows and sunroof, and can turn on Active Ventilated front seats ² from outside the car
■	■	■	■	Driver-programmable user-recognition feature links each SmartKey to driver's preferences (up to three individual users per car) for driver's seat memory settings (all 3 presets, including steering column and outside mirror positions) and various climate control settings
■	■	■	■	Driver-programmable driveaway locking can automatically lock all the doors when the car reaches 9 mph
■	■	■	■	Night security illumination uses the car's exterior lights to help illuminate a path after parking. Driver-programmable intervals allow lights to stay on for 60, 45, 30 or 15 seconds, or not at all
■	■	■	■	Locator lighting uses the car's lights to help light a return path when the car is remote-unlocked in darkness. Unlocking car activates illuminated entry system, which includes interior lighting, plus entrance lamps in all four doors and underneath outside mirrors
■	■	■	■	Pneumatic door and trunk closing assist. Automatically extending and retracting trunk handle
■	■	■	■	Emergency trunk release, located inside trunk and illuminated for 60 minutes after trunk lid is closed
■	■	■	■	Integrated 3-button garage door control, compatible with HomeLink [®] components and some other systems
■	■	■	■	Tele Aid GPS-based Stolen Vehicle Recovery allows law enforcement agencies to track and recover stolen vehicle ³
■	■	■	■	Tele Aid Remote Door Unlock allows owner to have doors automatically unlocked in the event the SmartKey becomes locked inside vehicle ³
■	■	■	■	Tele Aid Automatic Alarm Notification alerts Mercedes-Benz to contact vehicle owner if antitheft alarm sounds ³
INTERIOR FEATURES				
■	■	■	■	Multifunction steering wheel provides convenient, additional controls for basic functions of audio system and phone; ² plus operation of multifunction display (see Instrumentation, page 32)
–	–	■	–	Fingertip shift buttons behind steering-wheel spokes
■	■	■	■	Power windows, all with one-touch express-up/down
■	■	■	■	Power rear-window sunshade, with one-touch express-up/down
■	■	■	■	Auto-dimming rearview mirror
■	■	■	■	4-way (tilt/telescoping) power steering column, position linked to driver's seat memory
■	■	■	■	Driver-programmable easy-exit feature can move driver's seat rearward and/or raise steering column when SmartKey is removed from ignition, and restore positions when key is reinserted
■	■	■	■	Electronic cruise control, with digital readout of selected speed in multifunction display upon engagement
■	■	■	■	Automatic ambient lighting provides gentle illumination while driving in darkness to the console, door handles and all four footwells. Courtesy lamps with programmable fade-out time. Entrance lamps in all four doors
■	■	■	■	Four illuminated vanity mirrors (in sun visors and in rear-cabin ceiling). Front mirrors include both magnifying and standard lenses. Dual front reading lamps. Dual rear reading lamps
■	■	■	■	Front center armrest with two-level enclosed storage and dual cupholders. Lower compartment is illuminated and includes a climate-control air outlet. Illuminated glovebox
■	■	■	■	Folding rear center armrest with enclosed storage and dual cupholders. Magazine pockets on front seatbacks. Pockets in all doors. Parcel net in right front footwell
■	■	■	■	Illuminated, carpeted trunk with tie-down hooks

■ STANDARD □ OPTIONAL – NOT AVAILABLE

Standard equipment continued

S 430 SEDAN	S 500 SEDAN	S 55 AMG SEDAN	S 600 SEDAN	
INSTRUMENTATION				
■	■	■	■	Electroluminescent analog speedometer, tachometer and gauges for fuel level and coolant temperature
■	■	■	■	Digital clock, outside temperature indicator, and display of Touch Shift gear selection and shift mode
—	—	■	—	AMG-design instrument cluster
■	■	■	■	Automatic illumination of displays and controls based on ambient light
■	■	■	■	Multifunction display in speedometer face can be scrolled via steering-wheel controls to operate and display various menus and vehicle features: Odometer and resettable trip meter. Maintenance System (see below), tire pressure (see below), engine oil-level check, and digital speedometer. Radio station, CD player/CD changer. ² Mobile phone book. ² Navigation system route guidance. DISTRONIC adaptive cruise control settings. ² Trip computer (elapsed time, fuel consumption, distance to empty). Vehicle reminder and malfunction messages. Driver-programmable settings for instrument cluster, clock, lighting, vehicle and convenience features
■	■	■	■	Mercedes-Benz Maintenance System displays distance remaining to next basic maintenance service, indicates type of service due, and provides automatic reminder feature when service interval draws near
■	■	■	■	Onboard tire-pressure monitoring system allows driver to check the inflation pressure of all four mounted tires via the multifunction display
■	■	■	■	Warning lights and/or messages for open door, exterior lamp failure, and low fuel, engine oil, coolant and washer fluid levels
■	■	■	■	Audible reminders to release parking brake, switch off headlamps and remove key from ignition
□	□	□	■	Parktronic parking assistance system uses sound waves to help detect nearby obstacles at parking speeds, alerting driver to their proximity and direction via audio-visual indicators on dash and rear-cabin ceiling

■ STANDARD □ OPTIONAL — NOT AVAILABLE

1 Optional as part of an Option Package, or may require additional options. See optional equipment listing on page 33.
2 When so equipped.
3 **WARNING:** THE FORCES OF A DEPLOYING AIR BAG CAN CAUSE SERIOUS OR FATAL INJURY TO A CHILD UNDER AGE 13. **A CHILD UNDER 13 MUST NOT BE A PASSENGER IN THIS VEHICLE** UNLESS THE CHILD IS BELTED INTO AN APPROPRIATE, PROPERLY INSTALLED **BABYSMART-COMPATIBLE** CHILD SEAT AND THE "PASSENGER AIR BAG OFF" INDICATOR REMAINS ILLUMINATED. SEE OPERATOR'S MANUAL FOR ADDITIONAL WARNINGS AND INFORMATION ON AIR BAGS, SEAT BELTS AND CHILD SEATS.
4 First year's basic Tele Aid service provided at no additional cost with subscription. Subscription and acquaintance call required for service to be active. System operates only where cellular and GPS coverage are available. Owner must authorize stolen vehicle tracking by providing a personal PIN code and file a police report.
5 Special-order option. Vehicles with special-order items, colors or trim combinations incur a one-time surcharge and may require additional production time.
6 While the SIRIUS network of satellite and terrestrial antennas provides nearly seamless service throughout the contiguous U.S., SIRIUS

S 430 SEDAN	S 500 SEDAN	S 55 AMG SEDAN	S 600 SEDAN	
REstraint SYSTEMS				
■	■	■	■	Integrated Restraint System: Driver and front passenger are each provided with an adaptive dual-stage front air bag, side-impact air bag, and 3-point seat belt with an Emergency Tensioning Device (ETD) and dual-stage belt force limiter. ³ Outboard rear passengers are each provided with a side-impact air bag and 3-point seat belt with ETD and belt force limiter. Center rear passenger is provided with a 3-point seat belt
■	■	■	■	Head Protection Curtains: In a side impact exceeding a preset threshold, a multi-chamber air bag deploys along the front and rear side windows on the affected side of the car. Integrated rollover sensor automatically deploys the ETDs and, if deemed necessary, the Head Protection Curtains in the event of a detected rollover
■	■	■	■	Adaptive dual-stage front air bags are deployed in response to frontal impact severity ³
■	■	■	■	PRE-SAFE [®] helps prepare occupants for a possible collision before it occurs. If ESP and/or Brake Assist are activated upon sensing certain vehicle dynamics that suggest an accident is possible but, according to system sensors, are not correcting the situation, PRE-SAFE snugs the front seat belts via electric tensioners, adjusts the front passenger seat (and rear seats, with 4-place seating package) ² for more favorable seat-belt and air-bag effectiveness, and (if a possible rollover is detected) closes the sunroof. If no collision occurs, PRE-SAFE reverses the front seat-belt tensioners, and occupants may re-adjust their seats and the sunroof
■	■	■	■	ETDs are deployed in a front or rear impact exceeding a preset threshold of severity, or certain rollovers. A front ETD will not deploy if seat belt is unfastened
■	■	■	■	Automatic Collision Notification engages Tele Aid SOS function if an air bag or ETD deploys ⁴
■	■	■	■	Universal LATCH system (Lower Anchors and Tethers for Children) at outboard rear seating positions. Selectable passenger seat-belt retractors help secure child seats ³
■	■	■	■	Front seat belts attached to seat frames at all lower points
■	■	■	■	Front head restraints power-adjust for height and adjust fore-aft manually
■	■	■	■	Automatically height-adjusting rear shoulder belts
■	■	■	■	Three rear-seat head restraints, manually adjustable fore-aft and driver-retractable for improved rearward vision when the rear seats are unoccupied. On models with power rear seats, rear head restraints rise automatically when seat belt is fastened

service may be unavailable or interrupted for a variety of reasons, including environmental or topographic conditions; in certain locations such as tunnels, parking garages, or within or next to large buildings; or near other technologies that can interfere with the SIRIUS signal. Programming subject to change. Not available in Alaska, Hawaii or Puerto Rico.
7 AMG 18" wheels and accompanying high-speed-rated tires provide substantially increased treadwear and reduced ride comfort compared to H-rated tires. Serious wheel and tire damage may occur if the vehicle is operated on rough or damaged road surfaces or upon encountering road debris or obstacles.
8 Z-rated tires are optimized for performance driving and may provide reduced ride comfort, increased tire noise, substantially increased treadwear and greater susceptibility to damage compared with H-rated tires.
9 S 430 and S 500 *designo* editions require either [(a.) Rear Seat Package], or [(b.) heated rear seats and 4-place seating package]. S 55 AMG *designo* editions require [(a.) Rear Seat Package]; or [(b.) heated rear seats and 4-place seating package]; or [(c.) Active Ventilated rear seats and 4-place seating package]; or [(d.) Active Ventilated and power rear seats].

Optional equipment

S 430 SEDAN	S 500 SEDAN	S 55 AMG SEDAN	S 600 SEDAN	
INDIVIDUAL OPTIONS				
☐	☐	☐	☐	4MATIC™ all-wheel drive (no charge; includes 5-speed automatic transmission; not available with ABC)
☐	☐	☒	☒	Active Body Control (ABC; replaces Airmatic air suspension and ADS, not available with 4MATIC)
☐	☐	☐	☐	DISTRONIC adaptive cruise control
☐	☐	☐	☐	Keyless Go vehicle entry and starting system
☐	☐	☐	☐	Electronic trunk closer fully opens trunk lid at the touch of a button on the driver's door or the SmartKey, and closes trunk lid via button on driver's door or the underside of the open trunk lid
☒	☒	☐	☒	4-zone climate control (see page 31)
☐	☐	☐	☐	Manual roller-type sunshades for windows in rear doors
☒	☒	☒	☐	Drive-Dynamic front seats (see page 31)
☒	☒	☐	☒	Power rear seats with dual pneumatic lumbar supports and power head restraints (not available with 4-place seating package)
☐	☐	☐	☐	4-place seating package: Four dynamic multicontour power seats, each with 2-position memory (requires heated rear seats on S 55 AMG)
☐	☐	☐	☒	Heated rear seats (requires 4-place seating package on S 55 AMG)
☒	☒	☐	☐	Active Ventilated rear seats (see page 31; requires power rear seats or 4-place seating package)
☒	☒	☒	☒	Nappa leather upholstery
☒	☐	☐	☐	Heated steering wheel (not available with <i>designo</i> editions)
☒	☒	☐	☒	Chestnut wood interior trim
☐	☐	☒	☒	Integrated trunk-mounted 6-disc CD changer
☐	☐	☐	☐	SIRIUS Satellite Radio equipment ⁶
☐	☐	☐	☒	Hands-Free Communication System with voice control for commonly used telephone and audio system features. (Requires accessory telephone handset and cradle, sold separately at dealership. A selection of handsets is available, depending on cellular carrier)
☐	☐	☐	☒	Parktronic audio-visual parking assistance system (see page 32)
☐	☐	☐	☐	Metallic paint (no charge)

S 430 SEDAN	S 500 SEDAN	S 55 AMG SEDAN	S 600 SEDAN	
OPTION PACKAGES				
☐	☐	☐	☐	AMG Sport Package (not available with Appearance Package): AMG-design front air dam, side skirts and rear apron (standard on S 55 AMG). Four staggered-width 18" AMG thin-spoke monoblock wheels with high-performance tires ⁷ (four same-size wheels and tires when combined with 4MATIC)
☐	☐	☐	☐	Appearance Package (not available with AMG Sport Package, no charge on S 600): Four 18" 5-spoke alloy wheels with high-performance tires ⁸
☐	☒	☒	☐	Lighting Package: Bi-Xenon High Intensity Discharge projector low-beam and high-beam headlamps (see page 28). Heated headlamp washers
☐	☐	☐	☒	Comfort Package: Active Ventilated front seats (with heating feature; standard on S 55 AMG). Dynamic multicontour front seatbacks, with pneumatically adjustable side bolsters, dual lumbar supports and thigh support, plus active massage feature
☐	☐	☒	☐	Comfort Package with Drive-Dynamic Seats: Active Ventilated front seats (with heating feature; standard on S 600). Drive-Dynamic front seats (includes dynamic multicontour front seatbacks)
☐	☐	☐	☐	Rear Seat Package: Power rear seats with dual pneumatic lumbar supports and power head restraints (standard on S 600). Active Ventilated rear seats (with heating feature). 4-zone climate control (standard on S 600)
☐	☐	☐	☒	Trim Package: Leather and Burl Walnut (or Chestnut ⁹) trimmed steering wheel and shift knob. (Package requires special-order Chestnut wood interior trim on S 430)

<i>designo</i> EDITIONS				
☒	☒	☐	☐	Silver Edition: <i>designo</i> Silver metallic paint. Stone interior with Brown Poplar wood trim. Exclusive interior treatment with Medium Stone Nappa leather on upper dash and doors; Stone Nappa leather on lower dash and doors, console, and rear shelf; and Stone Nappa leather hand-fitted to seats, head restraints, center armrests and door inserts. Alcantara covering pillars, sun visors and ceiling. Wood trim on steering wheel, shift knob and overhead assist handles. Stone floor mats with leather trim
☒	☒	☒	☐	Espresso Edition: <i>designo</i> Mocha Black metallic paint. Charcoal interior with <i>designo</i> Light Brown Nappa leather and Natural Elm wood trim. Exclusive interior treatment with Charcoal Nappa leather on dash, doors, console, and rear shelf; and Light Brown Nappa leather hand-fitted to seats, head restraints, center armrests and door inserts. Alcantara covering pillars, sun visors and ceiling. Wood trim on steering wheel (except S 55 AMG), shift knob and overhead assist handles. Charcoal floor mats with leather trim
☒	☒	☒	☐	Graphite Edition: <i>designo</i> Graphite metallic paint. Charcoal interior with <i>designo</i> Graphite Nappa leather and Brown Poplar wood trim. Exclusive interior treatment with Charcoal Nappa leather on dash, doors, console, and rear shelf; and Graphite Nappa leather hand-fitted to seats, head restraints, center armrests and door inserts. Alcantara covering pillars, sun visors and ceiling. Wood trim on steering wheel (except S 55 AMG), shift knob and overhead assist handles. Charcoal floor mats with leather trim

Questions or comments on the Presentation Guides for 2005?

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