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The new Mercedes-Benz S-Class: Refined in every detail

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The new Mercedes-Benz S-Class: Refined in every detail

Key Facts

Extensive update and 140 years of innovation: with more than 50 percent of the vehicle newly developed, updated and refined, the new S-Class delivers the most comprehensive update for the model series within a single generation. 140 years after Carl Benz's 1886 invention of the automobile, it carries forward a legacy of engineering excellence, craftsmanship and the unmistakable "Welcome Home" feeling.

New era of visual presence: the new optional illuminated standing Mercedes-Benz star on the hood, larger illuminated grille and next generation DIGITAL LIGHT headlamps with twin-star design and innovative micro-LED technology create a striking, unmistakable S-Class light signature.

Intuitive, state-of-the-art MB.OS supercomputer: the Mercedes-Benz Operating System (MB.OS) is the supercomputer behind the new S-Class, powering every domain and integrating all vehicle systems into one intelligent ecosystem. Connected to the Mercedes-Benz Intelligent Cloud, MB.OS enables over-the-air updates[1] for the entire vehicle software, keeping the S-Class up to date and refreshed.

MB.DRIVE driver and parking assistance systems[2]: extensive sensor technology and a powerful new supercomputer enable next generation assistance technologies. The optional Digital Extra: MB.DRIVE ASSIST PRO[1,3] will offer further expanded driver assistance features. The "CITY PRO" feature, which enables a seamless point-to-point driving experience, will be available at a later date via over-the-air updates.

MBUX Superscreen and latest MBUX: the new standard MBUX Superscreen and fourth generation MBUX infotainment introduce the MBUX Virtual Assistant with generative AI, an enhanced Zero Layer interface, MBUX Navigation based on Google technology and MBUX Surround Navigation to the S-Class.

Boardroom on wheels: first class experience for rear seat passengers with an optional MBUX High-End Rear Seat Entertainment with dual 13.1-inch displays, available dual MBUX remote controls and integrated video conferencing[1] to transform the rear cabin into a fully connected mobile office or serene personal retreat.

Sublime driving: a variety of new and refined electrified powertrains – from six- and eight-cylinder gasoline engines to a plug-in hybrid – deliver hallmark S-Class refinement. Standard AIRMATIC air suspension or optional E-ACTIVE BODY CONTROL – both featuring new intelligent damping – and standard 4.5-degree or optional 10-degree rear-axle steering provide exceptional comfort and agility.

First class comfort and elevated well-being: new innovations such as front heated seatbelts and front Digital Vent Control further enhance everyday comfort and well-being.

Hallmark safety – intelligent safety for every seat: the new S-Class underscores Mercedes-Benz's position as a leader in safety with an enhanced adaptive restraint system including PRE-SAFE® Impulse belt pretensioners and up to 15 airbags.

MANUFAKTUR Made to Measure: with more than 150 exterior paints, over 400 interior colors and tailored expert consultation, MANUFAKTUR Made to Measure enables customers to create a truly unique, individually crafted S-Class.

The new Mercedes-Benz S-Class: highlights at a glance

In celebration of the 140th anniversary of Carl Benz's invention of the automobile in 1886, the new S-Class emerges as the ultimate icon. As the world's best-selling luxury sedan, it is meticulously refined in every detail to continue to be the benchmark in its segment. More than just a flagship model, the S-Class embodies the essence of the brand: a pioneering spirit, engineering excellence and craftsmanship – and that unmistakable "Welcome Home" feeling.

This latest evolution of the S-Class delivers the most extensive update ever within the same generation of the luxury sedan model series, taking a leading role in the most ambitious product launch program in the history of Mercedes-Benz. With more than 50 percent of the S-Class – approximately 2,700 components – newly developed or re-engineered, it reaffirms a legacy of leadership, engineering and digital ambition and progress.

A bolder, confident and individual appearance

A new era of visual presence: optional illuminated standing star and striking light signature

The new S-Class features a bolder silhouette and a grille, which is approximately 20 percent larger, features an illuminated surround for the first time and is accented with redesigned, three-dimensional chrome stars.

For more than 100 years, the standing Mercedes-Benz star has symbolized the heritage and pioneering spirit of the brand. Today, it enters a new era: for the first time, the standing star on the hood of the S-Class is optionally illuminated. Unmistakable, it becomes part of the S-Class light signature and gives the vehicle an even more radiant presence at night. The modern illumination design beautifully underscores the special nature of the vehicle and transforms every arrival – whether at a grand event or simply returning home – into a memorable occasion.

The new DIGITAL LIGHT headlamps with twin-star design create an iconic look – day or night – and are brighter and more efficient. At the rear of the S-Class, newly designed taillights with three chrome-framed signature stars visually reinforce the S-Class identity, ensuring a lasting impression. A light projector integrated into the side sill trim on each side of the vehicle projects "Mercedes-Benz" branding alongside the vehicle, transforming every approach and exit of the vehicle into a special occasion.

Next generation DIGITAL LIGHT with Adaptive Highbeam Assist Plus – available in the U.S. for the first time

The new S-Class elevates visibility and safety with the new DIGITAL LIGHT system. Innovative micro-LED technology and a powerful new chip produce a larger high-resolution field of illumination, delivering brighter high beams compared with the previous system. The ULTRA WIDE high beam provides a very wide light distribution for improved visibility. The new Adaptive Highbeam Assist Plus with partial high beam function, available in the U.S. for the first time, improves detection of poorly lit road users without dazzling others. Combined with camera data and map information, the cornering light adapts more precisely to road layouts – all powered by the Mercedes-Benz Operating System (MB.OS). From the candlelit lanterns on Gottlieb Daimler's Motor Carriage in 1886 to today's advanced DIGITAL LIGHT system, Mercedes-Benz has illuminated every era of automotive history – and in the new S-Class, brings a new level of advanced illumination technology.

Extensive MANUFAKTUR customization options

The MANUFAKTUR program delivers an unparalleled level of personalization, offering exclusive paint finishes, luxurious Nappa leather packages and exquisite handcrafted details. The new S-Class introduces two new MANUFAKTUR paints: MANUFAKTUR Black Sparkling, which features genuine glass flakes for a striking shimmer, and MANUFAKTUR Verde Silver Magno, introducing a new sophisticated matte finish to the popular hue.

For those seeking the ultimate level of individualization, the new MANUFAKTUR Made to Measure program enables customers to create a truly unique vehicle. With MANUFAKTUR Made to Measure, customers can choose from more than 150 paint colors and over 400 interior colors for the new S-Class. Other available custom touches include distinctive illuminated door sills, interior stitching and a wide array of colors for wheels and wheel accents. The program offers a broad selection of curated options that allow customers to explore the full spectrum of technically achievable colors, providing unmatched customization options for both exterior and interior designs. For customer wishes beyond even this generous portfolio, the MANUFAKTUR Made to Measure experts are ready to bring these to fruition with meticulous precision.

Intuitive: a new digital S-Class experience powered by MB.OS

Mercedes-Benz Operating System (MB.OS) – the supercomputer behind every drive

The new S-Class brings the latest Mercedes-Benz technology center stage. At its core is the purpose-built Mercedes-Benz Operating System (MB.OS) supercomputer, which controls every aspect of the vehicle – from driver assistance to infotainment to driving performance – delivering faster processing, greater computing power and a deeply integrated experience. MB.OS integrates all systems into one intelligent ecosystem and is the foundation for MB.DRIVE and MBUX. Its connection to the Mercedes-Benz Intelligent Cloud enables over-the-air updates for numerous vehicle functions, keeping the S-Class up to date and refreshed. The result: the new S-Class becomes an intuitive companion, delivering seamless interaction, exceptional performance and future-ready intelligence – creating a driving experience that is smarter and more personal than ever before.

MB.DRIVE: high-performance computing for state-of-the-art driver assistance and parking systems

The new S-Class is equipped with ten external cameras, five radar sensors and twelve ultrasonic sensors. These sensors work in conjunction with a high-performance control unit powered by MB.OS. Artificial Intelligence algorithms, which are trained on large amounts of fleet data, process the sensor data to understand the surrounding traffic conditions. The S-Class also features a new, water-cooled computer with sufficient power reserves for future functions.

Digital Extra: MB.DRIVE ASSIST[1], which enhances Digital Extra: Distance Assist DISTRONIC[1] with Digital Extras: Steering Assist and Lane Change Assist[1], is among the suite of extensive driver assistance technologies equipped standard. Digital Extra: Evasive Steering Function Plus[1], also included standard, automatically steers around objects or other vehicles when the system detects a risk of collision within the vehicle's own lane. Standard Digital Extra: Proactive Lane Change Assist[1] offers automated lane changes during highway driving.

The optional Digital Extra: MB.DRIVE ASSIST PRO[1,3], available at a later date, will offer further expanded driver assistance features such as the Digital Extra: Stop Sign and Traffic Light function[1] that enables automated braking at stop signs and traffic lights. The "CITY PRO" feature that enables a seamless point-to-point driving experience – even in dense city traffic – will be available at a later date via over-the-air updates.

The standard Digital Extra: MB.DRIVE PARKING ASSIST[1,4] can better and more quickly detect parking spots on both sides of the vehicle, including spots that are not marked by white lines. The system can also now assist with leaving a parking spot, even if the driver previously manually parked the vehicle. The Digital Extra: Reverse maneuvering function[1] enables the vehicle to automatically reverse the part of the route most recently driven, under certain conditions. While this feature is active, the image from the reversing camera and a graphic representation of the planned route are shown on the central multimedia display. This is particularly useful in driving situations where a maneuver to turn the vehicle around is not possible.

Digital Extra: MB.DRIVE PARKING ASSIST 360[1] with its 360-degree camera and new and improved surround view displays is also standard. The Digital Extra: Rim protection warning[1] displays a top-view distance alert when maneuvering to help the driver avoid damage to the wheels.

Introduction of fourth generation MBUX in S-Class: exceptionally intuitive and personalized with AI

Powered by MB.OS, the new S-Class features fourth generation MBUX infotainment that integrates AI from Microsoft Bing Search, Google Cloud's Automotive AI Agent and ChatGPT4o. With this multi-agent approach, the new MBUX Virtual Assistant revolutionizes the relationship between the vehicle and driver. Customers experience a more intuitive, more personal digital companion. The MBUX Virtual Assistant can conduct complex, multi-turn conversations – like one has with a friend – and has short-term memory. The MBUX Virtual Assistant is always present on the Zero Layer as a living avatar, featuring dynamic colors and animations, along with two avatar designs: a human-like avatar and "LittleBenz" for a more playful, emotional connection.

The enhanced MBUX Zero Layer displays the most relevant information, recently used apps[1] and suggestions. In the app grid, customers can arrange and group apps into personalized folders, much like a smartphone. A wide selection of apps are currently available, spanning audio, video, productivity and gaming.

MBUX Superscreen: immersive clarity for the driver, personalized entertainment for the front passenger

The new MBUX Superscreen, fitted standard, unites the 14.4-inch central display and the 12.3-inch front passenger display beneath a seamless glass surface. The 12.3-inch driver display, with optional 3D Instrument Cluster, visually floats behind the steering wheel with stunning clarity. The passenger display enables entertainment features for the front passenger while the vehicle is in motion, including streaming video and games, as long as the driver's gaze is kept on the road and not the passenger display[5]. Curated high-resolution ambient styles and visual modes transform the MBUX Superscreen into an immersive, atmospheric digital space that enhances every journey.

Intelligent Navigation, MBUX Surround Navigation and MBUX Augmented Reality Head-up Display

In the new S-Class, MB.OS enables a navigation experience based on Google technology. The navigation solution developed as part of the partnership between Google and Mercedes-Benz is one of the first systems to integrate Google Cloud's new Automotive AI Agent for in-vehicle conversation services with Google Maps.

MBUX Surround Navigation introduces a new dimension of visual communication. It displays a 3D representation of the vehicle and its surroundings in real-time on the driver display. Drivers benefit from enhanced situational awareness.

The optional MBUX Augmented Reality Head-up Display presents route guidance and relevant information within the driver's field of view. This intuitive visual support can help drivers anticipate complex maneuvers, which can be especially helpful in unfamiliar cities or dense city traffic.

Ideas, organized: productivity redefined

MBUX Notes takes mobile productivity to a new level. Imagine preparing for an important meeting while en route: customers can dictate their thoughts hands-free in multiple languages, and MBUX Notes – powered by AI – summarizes and structures them into clear bullet points. Ideas can then be shared via Gmail or Outlook for further editing[6]. With strong data protection and no permanent storage by third parties, notes remain secure.

Refined interior comfort: outstanding comfort for every occupant

The art of control: intuitive interfaces meet timeless materials

In the new S-Class, every journey becomes an experience of remarkable comfort and serene elegance. The "Welcome home." feeling is tangible in every detail. Mercedes-Benz refined the interior in numerous areas to create a space where technology and craftsmanship intersect. The redesigned dashboard, featuring the new MBUX Superscreen, integrates seamlessly into the cabin. New elegant door trim elements and a reimagined center console showcase exquisite wood inlays and combine the finest materials with an ergonomic design. The console features new illuminated cup holders and easily accessible mobile phone compartments, allowing for the wireless charging of two smartphones side by side within reach of both the driver and front passenger. In addition, 100W USB-C charging ports provide additional fast, convenient mobile device charging options for all occupants[7].

The new multifunction steering wheel features improved ergonomics and intuitive controls. Based on customer feedback, the new control concept features a rocker Digital Extra: Distance Assist DISTRONIC[1] as well as a roller for volume control. The capacitive switch panels are seamlessly integrated and provide tactile aids for better orientation.

First class productivity and entertainment

New dual MBUX remote controls for rear passengers, included with the optional Pinnacle and Pinnacle Plus Packages, provide effortless operation of comfort functions such as climate control and window shades, as well as the larger 13.1-inch displays of the optional MBUX High-End Rear Seat Entertainment System. These two displays also feature integrated HD cameras, making them ideal for video conferencing with Microsoft Teams, Zoom or Webex[8].

In the new S-Class, entertainment becomes effortless. The growing portfolio of apps[8] includes streaming video platforms like Disney+ and Sony RIDEVU – available on both the front passenger display of the MBUX Superscreen and the rear dual displays of the optional MBUX High-End Rear Seat Entertainment system.

The Burmester® 3D Surround Sound System, now significantly enhanced with elegant silver speakers in the mirror triangle, is fitted standard. On S 580e 4MATIC and S 580 4MATIC, the optional Burmester® High-End 4D Surround Sound System with Dolby Atmos®[9] transforms the interior into an immersive sound experience that customers can hear and feel.

With the Audible and Amazon Music apps[8], subscribers to these services can access an ever-expanding selection of audiobooks, originals, podcasts and music in Dolby Atmos®[9]. Audible and Amazon Music subscribers can access the full catalogs of both streaming services.

Exceptional thermal comfort and cleaner air for every journey

The innovative heated front seatbelts (standard on S 580e 4MATIC and S 580 4MATIC) provide a soothing warmth, delivering a gentle, reassuring embrace for front passengers. This innovation enhances every cold-weather journey and adds a subtle touch of indulgence. Conveniently activated via the seat heating button, this subtle innovation encourages the driver and front passenger to not wear bulky winter jackets while inside the vehicle, allowing optimal belt fit for enhanced safety. It's a small detail that makes a big difference, ensuring every journey begins with a sense of well-being.

The S-Class also takes a significant step forward in climate comfort with new front Digital Vent Control introduced standard. The elegantly illuminated front climate control air vents automatically adjust to the selected ventilation setting. Customers can choose from preconfigured settings in addition to custom individual settings, which are saved to the customers' MBUX user profile.

The ENERGIZING AIR CONTROL package with fine dust air filtration system (standard on S 580e 4MATIC and S 580 4MATIC) removes extremely fine particles, up to 1,200 times smaller than a single grain of table salt. This enables the cabin air to be purified roughly every 90 seconds[10] creating a consistently cleaner environment for all occupants.

New 20-inch multi-spoke wheel produced with innovative high-pressure casting technology

Crafted using innovative high-pressure casting technology, the new optional 20-inch 10 twin-spoke wheel for S 500 4MATIC and S 580 4MATIC delivers sharper contours, reduced thickness and a striking 50-spoke design – perfectly complementing the refined elegance of the new S-Class.

Sublime driving: precision, comfort and safety

New generation powertrains elevate performance and refinement to a new level

The new S-Class combines effortless performance with hallmark smoothness, thanks to a refined range of electrified powertrains. From 8- and 6-cylinder gasoline engines to a plug-in hybrid – every powertrain contributes to the signature remarkable smoothness that defines the S-Class experience.

The new V8 engine (M 177 Evo) in the Mercedes-Benz S 580 4MATIC produces 530 hp and 553 lb-ft of torque. Numerous engineering upgrades and mild-hybrid technology support seamless power delivery, recuperation and exceptional smoothness, while meeting the latest emissions standards. Thanks to a refined injection system, optimized intake and exhaust ports, revised intake camshaft, flat-plane crankshaft with a new firing order and improvements to the turbocharger compressor wheel and housing, the V8 is more responsive, efficient and delivers an even more refined driving experience.

In the Mercedes-Benz S 500 4MATIC, the new six-cylinder engine (M 256 Evo) now responds even more dynamically, with torque increased up to 443 lb-ft; and briefly up to 472 lb-ft with overtorque. Overtorque enables a brief increase in torque for certain driving situations, like passing or dynamic acceleration. Key improvements to the new engine include a more powerful electric auxiliary compressor, optimized intake and exhaust ports and revised intake camshaft. Enhanced insulation measures provide superior noise and vibration damping, contributing to the exceptionally calm ambience at any speed.

Both engines feature a 23-hp integrated starter generator (ISG 2.0) that provides intelligent support at lower engine speeds. In combination with turbocharging, this ensures excellent power delivery. The system includes the 48-volt electrical system, which enables functions such as “coasting”, boost and recuperation to maximize efficiency. In addition, the ISG enables seamless operation of the start-stop function and the transition from coasting with the engine off to powerful propulsion with engine power to be almost imperceptible to the driver. At idle, the intelligent interaction between the ISG and the engine ensures exceptional smoothness.

The Mercedes-Benz S 580 e 4MATIC plug-in hybrid is equipped with an upgraded inline six-cylinder engine and a powerful electric motor, enabling generous electric range and an impressive 576-hp combined system output – a 73-hp increase from the previous generation powertrain.

Intelligent damping and effortless maneuverability

Every journey in the new S-Class is defined by benchmark quietness, refined comfort and effortless composure thanks to standard AIRMATIC air suspension or the optional E-ACTIVE BODY CONTROL. Both systems now feature intelligent damping, a sophisticated innovation that enhances comfort by automatically adjusting the damping system right before the vehicle reaches a bump. The system differentiates between short, sharp road imperfections such as potholes – which are detected and communicated as warnings – and longer bumps that induce vertical body movement, where proactive damping adjustment can measurably

enhance comfort. Equipped standard on all S-Class models, this intelligent damper regulation works in combination with the AIRMATIC or E-ACTIVE BODY CONTROL suspension, using “Car-to-X” information[11] from other Mercedes-Benz vehicles driving ahead – transmitted to the Mercedes-Benz Intelligent Cloud in real time via the mobile network and anonymized. Mercedes-Benz developed this function in-house and has applied for a patent.

4.5-degree rear-axle steering, now equipped standard, enhances maneuvering and agility. Optional 10-degree rear-axle steering further reduces the turning circle to 35.4 ft for even greater maneuverability at low speeds, such as effortlessly slipping into a tight parking space or navigating a narrow driveway. At higher speeds, the rear wheels steer in parallel with the front wheels to deliver reassuring stability and calm composure.

Safety as a hallmark: intelligent protection for every seat

The S-Class has consistently been at the forefront of safety. From crumple zones and ABS and ESP® to intelligent MB.DRIVE advanced driver assistance systems. The new S-Class continues to be the spearhead of this philosophy with state-of-the-art safety systems. Its enhanced adaptive restraint system includes PRE-SAFE® Impulse seatbelt pretensioners, dual-stage load limiters, advanced airbag inflators and an active vent in the passenger airbag. A passenger kneebag and optional rear seat frontal airbags expand protection to a global standard of up to 15 airbags, intelligently deployed by an airbag control unit that calculates the most beneficial response in every situation.

Rear passengers benefit from innovative optional beltbags that inflate during severe frontal impacts to reduce chest loads, while rear airbags can deploy to reduce loads on head and neck. PRE-SAFE® Impulse Side in the front row can recognize critical side impact driving situations at an early stage and initiate precautionary measures to optimize occupant positioning. Cars equipped with optional E-ACTIVE BODY CONTROL can elevate the vehicle to distribute crash forces more effectively. Every detail – from restraint systems to intelligent deployment – underscores the S-Class commitment to uncompromising safety.

Mercedes-Benz management on the new S-Class

"We're celebrating 140 years of Mercedes-Benz and 140 years of innovation and excellence. No car embodies this legacy more than the S-Class. Brilliant engineering, effortless comfort, quiet confidence, timeless design. That's what the Mercedes star stands for. And that's what the S-Class delivers. The new S-Class remains our benchmark – and our promise. It blends its rich heritage with bold ambition for what's next."

Ola Källenius, Chairman of the Board of Management, Mercedes-Benz Group AG

"The S-Class has always defined automotive innovation. With MB.OS and its AI-driven capabilities, our flagship enters a new era of intelligence. Every seat offers an elevated Mercedes-Benz experience, powered by the MBUX Virtual Assistant, the MB.DRIVE suite of advanced driver assistance systems, and next generation rear seat entertainment. This fusion of cutting-edge software and engineering ensures the new S-Class remains the benchmark for innovation, safety, and comfort."

Joerg Burzer, Member of the Board of Management, Mercedes-Benz Group AG, Chief Technology Officer

"The Mercedes-Benz S-Class is the world's best-selling luxury sedan – and, for many, simply the best car in the world. With its latest generation, we are once again presenting a car that sets the tone and defines its own standards. We have refined every detail for our customers – to elevate what has always defined the S-Class: presence, prestige and that unmistakable feeling of coming home."

Mathias Geisen, Member of the Board of Management, Mercedes-Benz Group AG, Marketing & Sales

"Flagship of Mercedes-Benz, the S-Class has always set the benchmark in automotive excellence. It embodies everything our design stands for: timeless elegance, perfect proportions and a strong presence. It is the purest expression of our design philosophy — Sensual Purity.
The new S-Class unites this tradition with forward-looking innovation in a truly unique way, redefining itself as an icon once again."

Gorden Wagener, (former) Chief Design Officer, Mercedes-Benz Group AG

Unparalleled confidence: More S-Class than ever

The new Mercedes-Benz S-Class: design refinement and MANUFAKTUR

- Larger grille with illuminated surround and Mercedes-Benz standing star on the hood with optional illumination for the first time
- New DIGITAL LIGHT headlamps with twin-star design and new taillights with chrome-framed stars
- Standard MBUX Superscreen, dashboard and center console with extended sculptural trim elements
- Two new trim designs include natural grain wood and high-gloss metallic fabric blend, and a new “Beech Brown” and MANUFAKTUR upholstery colors
- Expanded MANUFAKTUR options with new MANUFAKTUR Black Sparkling and Verde Silver Magno paints, in addition to vivid interior colorways
- MANUFAKTUR Made to Measure program introduces over 150 exterior and 400 interior colors with curated options and new leather packages
- AMG Line package brings a sportier, more expressive interpretation to the S-Class

Luxury in perfect form: new radiator grille

One of the most striking changes is the even more prominent radiator grille, which is approximately 20 percent larger than the previous design. It now features four horizontal chrome bars instead of three, creating a particularly distinguished aesthetic. For the first time in the history of the S-Class, the grille features an illuminated surround. Tiny, hot-stamped chrome stars provide a three-dimensional depth effect.

An optional illuminated standing Mercedes-Benz star on the hood is also available for the first time. A high-gloss black insert visually links the headlamps and radiator grille as a single unit. With the new twin-star headlamp design, the S-Class boasts a distinctive look both by day and by night. Another innovation is the integrated light projector in the side sills, which projects Mercedes-Benz branding on the ground alongside the vehicle to greet and bid farewell to the driver and passengers.

The rear design of the new S-Class has also been reimagined. New taillights with three chrome-framed stars emphasize the prestige of the flagship model. The two-piece trim element on the trunk lid, now finished in chrome and high-gloss black, is a testament to Mercedes-Benz’s exceptional attention to detail and provides a delicate finishing touch to the extensive exterior update.

Inside, the new dashboard, door trim and center console create an entirely new interior experience, elegantly blending digital and analog luxury at the highest level. A key highlight is the standard MBUX Superscreen, with floating driver display as well as a central and front driver display beneath seamless glass surface. This extends into the doors, creating a new sense of spaciousness. The central climate control air vents are now broader, forming a louvered band that also extends into the doors – a design cue echoed in the rear cabin. The side air vents are innovatively integrated into the display landscape, while the seamless, three-dimensional light graphic surrounds the metal air vent housings.

The newly designed center console with a larger trim surface emphasizes the premium materials of the new S-Class. The center console can now be individually specified with a wide range of trim finishes, including two new trim finishes: Natural Grain Amber Brown Wood with Herringbone Pattern and High-Gloss Silver Metallic Mixed Fabric.

The new optional “Beech Brown” upholstery color, inspired by the world of luxury fashion, is a highlight of the diverse interior color palette. Contrasting piping and stitching in light tones showcase its luxurious character to perfection.

Wide range of customization options through the MANUFAKTUR program

For more than 120 years, Mercedes-Benz has set the benchmark for automotive personalization at the highest level – a legacy that continued in 2021 with the introduction of MANUFAKTUR, offering an even broader array of bespoke features. The new S-Class is a prime example of the extensive individualization options offered by the MANUFAKTUR program. With a wide selection of exclusive paint finishes, Nappa leather and trim elements, the vehicle can be tailored almost entirely to individual customer preferences.

The new S-Class introduces additional MANUFAKTUR colors and further MANUFAKTUR options. A dazzling touch, for instance, is provided by the new MANUFAKTUR Black Sparkling exterior paint finish. The clearcoat over the deep black solid paint contains real glass flakes and sparkles like a starry sky. MANUFAKTUR Verde Silver Magno paint is also new, along with MANUFAKTUR Tobacco Brown, MANUFAKTUR Carmine Red, MANUFAKTUR Lake Green and MANUFAKTUR Corn Yellow Nappa leather interiors. An all-new MANUFAKTUR Leather Package is now offered as an option, featuring a leather-lined headliner, upholstered rear seat cushions and other exclusive leather-appointed elements.

Exceptional personalization: MANUFAKTUR Made to Measure

The new MANUFAKTUR Made to Measure individualization program elevates personalization to an entirely new level, allowing customers to create a truly unique vehicle. An expansive selection of curated options is available with more than 150 paint colors and over 400 interior colors. Customers can even explore the full spectrum of technically achievable colors, providing unmatched customization for both exterior and interior designs. Additional customization is also possible with a broad range of wheel and wheel accent colors, illuminated door sills, steering wheel designs, emblem packages, among other equipment. Requests that go beyond this portfolio are assessed individually by the MANUFAKTUR Made to Measure experts.

With MANUFAKTUR Made to Measure, Mercedes-Benz caters to its most discerning customers and delivers an exclusive, extraordinary experience. As a limited offer, tailored consultations are provided by specially trained Made to Measure experts. The new Made to Measure Visualizer technology – a highly individualized consultation tool – allows experts to build immersive environments where customers can explore and visualize every detail of their ideal vehicle.

The heart of the Made to Measure experience is the Center of Excellence, a pioneering facility near the Mercedes-Benz main plant in Sindelfingen. This flagship location, staffed by the most experienced Made to Measure specialists, offers an exclusive behind-the-scenes look at interior craftsmanship – the essence of Mercedes-Benz's leather artisans. The new MANUFAKTUR Studio also provides a captivating look into a state-of-the-art, glass-walled facility where vehicle components are meticulously crafted in an advanced matrix production system.

The new Mercedes-Benz S-Class – manufactured at the Sindelfingen plant

Production of the new Mercedes-Benz S-Class will begin at the Mercedes-Benz plant in Sindelfingen in 2026. The flagship model series is manufactured in Factory 56 – one of the most advanced assembly halls in the world. Flexible, digital, efficient and sustainable: Factory 56 embodies the future of production at Mercedes-Benz and sets new standards for the automotive industry when it opened. Thanks to maximum flexibility, Factory 56 enables the assembly of different models and drivetrains on a single line. Currently, the Mercedes-Benz S-Class, Mercedes-Maybach S-Class and the all-electric EQS are produced flexibly on one line.

New 20-inch 10 twin-spoke wheel manufactured with an innovative high-pressure casting method

The new optional 20-inch 10 twin-spoke wheel is produced using an innovative technology called 'High-Pressure Casting', which uses a precision-engineered mold to form complex aluminum components with exceptional accuracy and reduced weight, enabling new design possibilities and improved performance. Compared to traditional low-pressure die casting, the innovative 'High-Pressure Casting' allows significantly reduced draft angles, noticeably reduced castable thicknesses and more precise contours, resulting in very fine surfaces and therefore characteristic design themes. 'High-Pressure Casting' also demonstrates advantages of sustainability, enabling lightweight construction and reduced machining requirements, thereby leading to a noticeable reduction in aluminum usage. Compared to traditional low-pressure die casting, the energy consumption is significantly decreased. Furthermore, a higher percentage of recycled aluminum can be utilized.

Other new wheel options are also available, including a new 19-inch five-spoke wheel with black accents, new 20-inch AMG cross-spoke wheel in several finishes and a new 21-inch AMG multi-spoke wheel color option, giving customers even more opportunity for personalization.

Dynamic presence: AMG Line

For customers who want a more expressive interpretation of the S-Class, the AMG Line package sharpens the car's visual character with an AMG specific front bumper with large air inlets and chrome trim, a sporty rear fascia and dynamic side skirts, complemented by AMG wheels in up to 21-inch sizes. Inside, a sports steering wheel with a flattened lower section is included with the AMG Line package – available for the first time on the S-Class in the U.S. Additionally, stainless steel pedals, exclusive sound profiles and a sporty red MBUX display style emphasize the sport look and feel.

Intuitive intelligence: MB.OS supercomputer for every drive and every seat

The new Mercedes-Benz S-Class: MB.OS and fourth generation MBUX

- New Mercedes-Benz Operating System (MB.OS) architecture enables a new level of digital experience for all occupants
- Ultimate Business Sedan with fourth generation MBUX: Video conferencing from every seat
- Personalized Digital Experience: MBUX Zero Layer, customizable app folders and ambient styles
- MBUX Surround Navigation: Real-time 3D representation of the vehicle and surroundings with Unity game engine graphics
- MBUX Virtual Assistant with generative artificial intelligence
- Concert hall experience: Burmester® Surround Sound Systems with Dolby Atmos®[9]

Mercedes-Benz has elevated the S-Class to a new era of digital intelligence, powered by MB.OS using a completely redesigned electrical and electronic architecture – the car's digital backbone. The completely redesigned network of powerful computers connected by high-speed ethernet integrates every sensor, control unit and feature in the car. This advanced network enables faster processing and greater intelligence, delivering an intuitive experience at every moment. Instant responses, seamless connectivity and effortless updates keep the S-Class up to date and refreshed.

Boardroom on wheels: MBUX High-End Rear Seat Entertainment System makes every seat a meeting space
The S-Class elevates its role as the ultimate business sedan, offering productivity and entertainment upgrades for both front and rear passengers. Rear occupants benefit from an improved operating concept, with two larger 13.1-inch screens of the optional MBUX High-End Rear Seat Entertainment System and available new dual MBUX remote controls – one for each rear seat passenger – allowing fully individual control. With the new dual MBUX remote controls, included with the optional Pinnacle and Pinnacle Plus Packages, rear passengers can effortlessly control the MBUX High-End Rear Seat Entertainment, adjust the volume, set the ambient lighting, adjust the rear climate control settings and operate seat functions such as adjustment, heating, ventilation and massage, and even operate the power sunshades for the rear and rear side windows. The remotes are stored in a docking station with a lock/unlock mechanism in the fold-down armrest and remain fully operable when removed – allowing passengers, for example, to recline the seat, start a massage and adjust the temperature while selecting content on the rear screens, without needing to reach for a display.

The latest update also introduces an enhanced Teams Meetings app[1] for the S-Class, now with expanded features and, for the first time, the ability to use the new front interior camera with a wide-angle option or the MBUX High-End Rear Seat Entertainment's full HD camera for video calls. This means that whether customers are leading a meeting from the driver's seat or joining a video conference from the rear cabin, other meeting participants can see them clearly – enabling seamless collaboration. Drivers can use the in-car camera while the vehicle is in motion, allowing other participants to see them during a meeting. Given the brand's emphasis on safety, the use of the camera complies with the laws of the respective country and has been approved for use while the vehicle is in motion. To prevent driver distraction, the meeting video automatically turns off as soon as the camera is activated. Drivers do not see shared screens or slides – and the camera can be switched off at any time.

Personalized infotainment: MBUX Zero Layer and new operating concepts
With the standard MBUX Superscreen, the S-Class offers a wealth of genuinely valuable functions. The operating and display concept is tailored not only to the vehicle, but also to individual customer preferences, following the design principle of reduction to the essentials. The enhanced MBUX Zero Layer on the central display shows the most relevant information and suggestions. In the app grid, apps can be moved and grouped into individually named folders, similar to a smartphone. When an app is open, a simple swipe to the

left returns to the app grid. Another swipe takes the user back to the Zero Layer. Customers can also access the Zero Layer directly at any time via the home button.

Several attractive ambient styles are available, enhancing the unique effect of the wide display. High-resolution welcome animations were crafted with great attention to detail by Mercedes-Benz UI designers. The impressive background images span a wide range across all front screens – from calm to intense, cool to warm and technical to emotional – enabling customers to create a personal atmosphere inside the vehicle. The colors of the driver display, including the gauges, and the ambient lighting are harmonized with these emotional motifs thanks to MB.OS.

MBUX Surround Navigation

Integrated visual communication reaches a new dimension with MBUX Surround Navigation. Thanks to the deeply integrated architecture of MB.OS, the advanced system shows a real-time representation of the vehicle and its surroundings on the driver display using 3D game-engine graphics. Drivers benefit from enhanced situational awareness.

The MBUX Virtual Assistant with “Multi-Agent Approach”: intelligent, easy to talk to and empathetic

With generative AI, the new MBUX Virtual Assistant enables complex, natural conversations – like one would have with a friend – and has a short-term memory. It can be activated with the “Hey Mercedes” keyword or, when the driver is alone in the vehicle, the “Just Talk” function, which responds to voice commands without a keyword. AI from Microsoft, ChatGPT and Microsoft unites the collective knowledge of the internet, enabling the intelligent assistant to seamlessly access different sources of information within the same conversation and retain context, allowing customers to continue conversations and retrieve information during a journey.

The MBUX Virtual Assistant is always present on the Zero Layer as a “living” avatar. In the standard setting, it is a blue color, or silvery blue on models with the optional AMG Line package. The colors of the avatar represent the emotions of the Virtual Assistant. For example, the assistant reacts positively to “thank you” (green) or shows joy when telling a joke (colorful). With various animations, the virtual assistant also signals whether it is currently speaking, listening or processing information. Movement, brightness, intensity and color interact seamlessly to communicate intuitively with the driver.

In addition to the Mercedes-Benz star avatar, there are two other avatar designs: the first is a human-like avatar, which emerges from a cloud of stars. It embodies intelligence in a technologically futuristic manner. The other avatar nicknamed “LittleBenz,” with its expressive face, creates an even stronger personal connection, encouraging playful interaction.

Your favorite concert hall, with a fourth dimension of sound

The standard Burmester® 3D Surround Sound System, now visually enhanced with elegant silver speaker covers in the mirror triangle, special Burmester® algorithms and additional speakers integrated into the headliner create authentic 3D surround sound for an immersive listening experience. Each speaker is actively controlled using advanced digital signal processing, resulting in exceptionally expressive, detailed and natural sound.

In the S 580e 4MATIC and S 580 4MATIC, the optional Burmester® High-End 4D Surround Sound System adds a unique fourth dimension: tactile transducers integrated into the seats vibrate and pulse in time with the music, so customers can literally feel their favorite tracks. With 31 speakers, four exciters, 1,690 watts of system output and Dolby Atmos®[9], the S-Class offers an in-car audio experience that ranges from a refined concert hall to an intimate club – all at the touch of a button.

Digital Extra: Digital Vehicle Key available for smartphone and smartwatch

The Digital Extra: Digital Vehicle Key[1] enables customers to lock, unlock and start the S-Class using their smartphone. Key sharing is also possible. Family and friends may be invited digitally and the owner can assign different permissions, granting either entry only or also driving access.

First class comfort: Calm and spaciousness in every seat

The new Mercedes-Benz S-Class: interior innovations for comfort and well-being

- Redesigned center console with dual wireless smartphone charging and illuminated cup holders
- New multifunction steering wheel with intuitive controls
- Innovative heated front seatbelts further enhance comfort
- Front Digital Vent Control with automatic air vent adjustment and custom ventilation settings

Comfort has always been a hallmark of the S-Class. Mercedes-Benz has further refined the S-Class interior in numerous areas, creating a new benchmark for quality and comfort. The “Welcome Home” feeling is tangible in every detail.

New steering wheel controls, wireless charging within easy reach and illuminated cup holders
The new multifunction steering wheel features improved ergonomics and intuitive controls. Based on customer feedback, the new control concept features a rocker Digital Extra: Distance Assist DISTRONIC[1] as well as a roller for volume control. The capacitive switch panels are seamlessly integrated and provide tactile aids for better orientation.

The new front center console integrates easily accessible dual wireless smartphone charging and a generous storage area. Two smartphones can be charged wirelessly side by side. The new illuminated cup holders provide an improved hold for bottles and cups of different sizes and add a subtle ambient light accent.

Innovative heated seatbelts
The innovative heated front seatbelts (standard on S 580e 4MATIC and S 580 4MATIC) provide a soothing warmth, delivering a gentle, reassuring embrace for the driver and front passenger. Thin filaments acting as electrical conductors are integrated into the seatbelt. The seatbelts can quickly warm up and be conveniently activated using the heated seat controls. Automatic activation linking the heated seatbelts to the heated seat button can be controlled via the central multimedia display. This subtle innovation encourages the driver and front passenger to not wear bulky jackets while inside the vehicle, allowing optimal belt fit for enhanced safety.

With heated front seatbelts, Mercedes-Benz brings a new comfort feature into a series production vehicle that was first showcased in the ESF 2019 experimental safety vehicle. This illustrates the Mercedes-Benz way: pioneering innovations debuting in research and concept vehicles, then consistently and systematically transferred into series production. For more than 140 years, this continuous innovation process has shaped the brand – from visionary studies to everyday customer benefits.

Automatic climate control front air vent adjustment with Digital Vent Control
The S-Class takes a major step forward in climate comfort with new Digital Vent Control. Introduced as standard equipment, the innovative system automatically adapts the position of the front climate control air vents and even allows for pre-conditioning of the interior. The system utilizes compact actuators in each front air vent, featuring two small electric motors to control the vertical and horizontal louvers.

Customers can select preset positions for the front air vents in MBUX (“Head,” “Body,” “Evenly Distributed” and “Individual”). The hybrid operating concept also allows the front air vents to be adjusted by hand. When the front air vents are adjusted manually, the system automatically switches to the “Individual” setting. The system saves this custom setting and can store up to eight personalized settings in the customer’s MBUX user profile. With Active Defrost for the side windows, the vent nozzles are positioned in the direction of the side windows.

During pre-conditioning, airflow from the front air vents is directed to hot or cold surfaces. The front air vents also become part of the welcome sequence by moving from the standard position upon starting the vehicle.

Cleaner cabin air

The ENERGIZING AIR CONTROL package with fine dust air filtration system (standard on S 580e 4MATIC and S 580 4MATIC) continuously works to clean the cabin air – fully renewing the cabin air roughly every 90 seconds[10]. At the heart of the system is an advanced filtration concept, which helps ensure clean air and can reduce unpleasant odors. The incoming outside air is effectively cleaned with the help of an advanced filtration concept. The outside air flows through a pre-filter that traps larger particles. Next, air flows through an interior, enabling excellent filtration. While the pre-filter only cleans the outside air in the first filtration stage, the interior filter is also active in recirculation mode.

ENERGIZING AIR CONTROL intelligently monitors air quality inside and outside the vehicle using fine dust and air quality sensors. Through intelligent networking of sensor data, the system detects nitrogen oxides (NOx), carbon monoxide (CO) and fine dust of particles. The capability of a system to filter impurities is often categorized using a PM, or particulate matter, scale which represents the size of the matter in microns. For scale, a typical human hair is around 50 microns, dust and pollen are around 10 microns, and the system can filter particles as small as 2.5 microns, or PM2.5, in the outside air. If the measured values of the air quality and fine dust sensor reach a certain range, the climate control system can automatically switch between fresh air and recirculation mode to provide better air quality in the interior.

Personalized seat comfort for front and rear occupants

For optimal seating comfort and individual adjustment, the front seats of the S-Class feature up to 19 motors, providing a personalized experience. Six different massage programs – classic, relaxing, waves, deep waves, hot stone and activating – use vibration motors and can enhance the effect of a relaxing hot-stone-style massage by combining seat heating with the inflatable air chambers of the standard active multicontour seats.

In the rear cabin of the S-Class, passengers can enjoy a mobile workspace or a place to relax:

- Standard on S 580e 4MATIC and S 580 4MATIC, and with the optional Exclusive Package on S 500 4MATIC, rear seat passengers can enjoy enhancements such as power rear seats with backrest adjustment up to 37 degrees, rear seat memory functions and luxury rear headrests with additional cushioning.
- The optional Pinnacle Package elevates comfort for rear passengers with rapid heating and ventilated rear seats, heated rear armrests and four-zone climate control. In addition, the folding rear center armrest also features wireless smartphone charging, 100W USB-C ports and two new MBUX remote controls.
- The new Pinnacle Plus Package provides the ultimate in rear seat comfort, which adds executive rear seats with backrest adjustment up to 43.5 degrees, multicontour rear seats with massage, heated luxury rear headrests, rear seat neck and shoulder heating, a leg and footrest for the right rear seat with calf massage function, chauffeur function for front passenger seat, rear seatbelt presenters, rear seat beltbags and adaptive rear cabin lighting.

Active Ambient Lighting, standard on S 580e 4MATIC and S 580 4MATIC models, adds an extra, experiential layer. With approximately 250 LEDs, it is linked to the driver assistance systems and can visually support system alerts. It also provides feedback when operating the climate control or the intelligent voice assistant. The result is a truly unique interior atmosphere by day or night, turning every journey in the S-Class into a personalized experience.

Supreme driving experience: Quiet strength, effortless power

The new Mercedes-Benz S-Class: new drivetrains, suspension and lighting technology

- New V8, six-cylinder and plug-in hybrid powertrains with higher output, lower emissions and enhanced refinement
- Intelligent damping with AIRMATIC and optional E-ACTIVE BODY CONTROL
- Standard 4.5-degree and optional 10-degree rear-axle steering systems reduce turning circle and enhance highway stability
- Next generation DIGITAL LIGHT with micro-LED technology and Adaptive Highbeam Assist Plus with partial high beam function – available in the U.S. for the first time

By refining drivetrain technology, suspension control and lighting systems, Mercedes-Benz has enhanced every aspect of the S-Class driving experience. The result is serene calmness paired with effortless power delivery - ensuring agility, composure and the highest levels of safety and comfort on every journey.

New state-of-the-art drivetrains: Meticulous refinement in technology
The new S-Class sets a new benchmark for advanced powertrains, offering a range of sophisticated engines that deliver an impressive balance of performance, efficiency and refinement.

At the top of the Mercedes-Benz S-Class lineup is the latest evolution of the V8 engine, the M 177 Evo, available in the S 580 4MATIC. The engine delivers 530 hp and 553 lb-ft of torque, available across a broad rpm range from 2,500 to 4,500 rpm. Thanks to a series of engineering enhancements – including a refined injection system, optimized intake and exhaust ports, revised intake camshaft and improvements to the compressor wheel and turbocharger housing – the V8 responds more quickly, operates more efficiently and delivers power more smoothly than ever before. A flat-plane crank with a new firing order reduces rotating mass and internal vibration, allowing the engine to rev more freely and deliver power with greater immediacy and refinement. Integrated mild-hybrid technology provides additional torque at low speeds, enables energy recuperation during braking and supports seamless engine starting, all while contributing to the S-Class's signature quietness and smoothness. Additional insulation measures further reduce noise, vibration and harshness (NVH), ensuring a tranquil cabin environment even under acceleration or at high speeds. The V8 is also equipped with advanced exhaust aftertreatment systems, including a globally standard particulate filter, to ensure compliance with the latest emissions standards.

The six-cylinder engine (M 256 Evo) in the S 500 4MATIC responds even more dynamically and delivers an even more assured driving experience, thanks to increased torque – especially under the partial load. Torque is now increased to 443 lb-ft; with up to 472 lb-ft available using overtorque. Overtorque enables a brief increase in torque for certain driving situations like passing or dynamic acceleration. These improvements are based on a new, more powerful electric auxiliary compressor, cylinder head with optimized intake and exhaust ports and a revised intake camshaft. In addition, combustion processes and exhaust aftertreatment have been further refined. Additional insulation measures have also improved NVH (noise, vibration and harshness) characteristics compared to the previous engine. The result is a smoother, quieter and more dynamic driving experience.

Both engines feature a 23-hp integrated starter generator (ISG). The ISG provides intelligent support at lower engine speeds and in combination with turbocharging, this ensures excellent power delivery. The system includes a 48-volt electrical system, which enables functions such as "coasting," boost or recuperation to maximize efficiency. In addition, the engines start quickly and comfortably with the help of the ISG, which allows for operation of the start-stop function and the transition from "coasting" with the engine stationary to

powerful propulsion with engine power to be almost imperceptible. The intelligent interaction between the ISG and the combustion engine also delivers exceptionally smooth operation at idle.

The plug-in hybrid S 580e 4MATIC combines the upgraded six-cylinder engine with a powerful electric motor, delivering up to 576 hp of combined system output – a 73-hp increase from the previous engine generation powertrain – and up to 553 lb-ft of combined system torque.

Rear-axle steering and intelligent damping

Now standard across the entire S-Class range, 4.5-degree rear-axle steering enhances maneuverability and stability. Optional 10-degree rear-axle steering reduces the turning circle of the new S-Class to 35.4 ft. At higher speeds, the rear wheels steer in parallel with the front wheels to deliver reassuring stability and calm composure.

The new S-Class is equipped standard with AIRMATIC air suspension featuring intelligent damping, which significantly enhances ride comfort by automatically adjusting the damping system right before the vehicle reaches a bump. The system differentiates between short, sharp road imperfections such as potholes – which are detected and communicated as warnings – and longer bumps that induce vertical body movement, where proactive damping adjustment can measurably enhance comfort. The improvement in ride quality is particularly noticeable for rear seat passengers. This intelligent damper regulation works in combination with the AIRMATIC or E-ACTIVE BODY CONTROL suspension. Mercedes-Benz developed this function in-house and has applied for a patent.

The damping adjustment is based on “Car-to-X” information[11] from other Mercedes-Benz vehicles driving ahead – transmitted to the Mercedes-Benz Intelligent Cloud in real time via the mobile network and anonymized. Car-to-X refers to communication between vehicles. By leveraging the sensors of other Mercedes-Benz cars, the technology significantly extends the coverage of the vehicle’s own radar or camera systems, effectively enabling the vehicle to “see around corners.”

Next generation DIGITAL LIGHT system

The new S-Class is fitted standard with next generation DIGITAL LIGHT headlamps. Innovative micro-LED technology and a powerful new chip produce a larger high-resolution field of illumination, delivering brighter high beams compared with the previous system. The light module is also up to 50 percent more efficient than the previous generation. The headlamps also weigh 25 percent less than the previous design thanks to the more compact micro-LED design and use of a single control unit. All software modules are integrated into the Mercedes-Benz Operating System (MB.OS) and have been developed predominantly in-house.

The ULTRA WIDE high beam provides a very wide light distribution for improved visibility. Another key innovation is the Adaptive Highbeam Assist Plus with partial high beam function – available in the U.S. for the first time – that improves detection of poorly lit road users without dazzling others. Combined with camera data and map information, the cornering light adapts more precisely to road layouts – all powered by the Mercedes-Benz Operating System (MB.OS).

Digital Extra: Projection Function for DIGITAL LIGHT[1] is also available as an option. Alongside the familiar projection features for lane departure warnings, the S-Class now adds a new cold weather warning with a snowflake that is projected onto the road surface. The Projection Function also greets and bids farewell to the driver with animations from the headlamps and taillights when the vehicle is locked, unlocked or the engine is switched off. The animations, which now include “Digital Rain” and “Star Wave” designs, can be activated via the central multimedia display.

Mercedes-Benz has already tested this lighting technology for the S-Class in its new light tunnel at the Immendingen Testing and Technology Center, officially opened in early 2025. Regardless of the time of day or weather, experts there can evaluate the headlamp light distribution of future Mercedes-Benz models from a customer perspective under reproducible conditions. The drive-through light tunnel, over 328 ft long, features a full-scale country road with dashed center lines and side markings – making it one of the longest facilities of its kind in the automotive industry.

Mercedes-Benz anniversary year “140 years of innovation”
Since Carl Benz filed the patent for the first automobile 140 years ago and Gottlieb Daimler built his motorized carriage shortly afterwards, Mercedes-Benz has dedicated itself to constantly innovate and to create the world’s most desirable cars for customers. This ambition has driven every innovation – from the world's first automobile in 1886 to today's intelligent and safe electric vehicles, like the all-new GLC and the award-winning all-new CLA. With the new S-Class, the company continues the biggest product launch program in its history. With its passion for performance and pioneering power, excellence and an unwavering commitment to customer service, the brand has consistently shaped the future of mobility. The result goes well beyond engineering achievement – it creates the unmistakable feeling that leads through everything Mercedes-Benz does: Welcome home.

Mercedes-Benz is celebrating 140 years of innovation by driving three new S-Class sedans on a transcontinental journey to 140 locations worldwide. Each place highlights the brand’s technology, heritage, pioneering spirit and worldwide presence. Along the way customers, fans and colleagues will get to join in the celebrations – on an epic adventure that will run until October 2026. Follow the “140 Years. 140 Places” drive across six continents on our “140 years of innovation | Mercedes-Benz Media” special and via the Mercedes-Benz Community.

Technical Data
Mercedes-Benz S 500 4MATIC Sedan

Drivetrain		
Drive config.		4MATIC all-wheel drive
Cylinder arrangement/number		Inline-6
Displacement	cc	2,999
Bore x stroke	mm x mm	83 x 92.35
Compression ratio		10.5:1
Output	hp at rpm	442 at 5,500 – 6,100
Torque	lb-ft at rpm	443 at 2,200 – 5,000
ISG output	hp	23
ISG torque	lb-ft	151
Transmission ratios (9-speed)	:1	5.35/3.24/2.25/1.64/1.21/1.00/0.87/0.72/0.60/R 4.80
Suspension, brakes and steering		
Suspension (standard)		AIRMATIC air suspension with intelligent damping
Front brakes	in	Type: internally ventilated and perforated discs Disc diameter: 14.6
Rear brakes	in	Type: internally ventilated discs Disc diameter: 14.2
Steering		Speed-dependent, electro-mechanical power assist
Standard wheel size		8.5 J x 19 ET 31.5
Standard tire size		255/45 R19
Dimensions and weight		
Number of doors/seats		4/5
Length/width/height	in	208.8/75.6/59.2
Wheelbase	in	126.6
Turning circle (wall-to-wall)	ft	39 w/ standard 4.5-degree rear-axle steering (35.4 w/ optional 10-degree rear-axle steering)
Track width, front/rear	in	65.4/66.5
Trunk capacity	cu ft	14
Curb weight	lbs	4,861
Fuel tank capacity	gal	20.1
Performance		
Acceleration 0-60 mph	s	4.3 (est.)
Top speed	mph	130 (electronically limited)

Mercedes-Benz S 580 4MATIC Sedan

Drivetrain		
Drive config.		4MATIC all-wheel drive
Cylinder arrangement/number		V8
Displacement	cc	3,982
Bore x stroke	mm x mm	83.00 x 92.00
Compression ratio		10.5:1
Output	hp at rpm	530 at 5,500 – 6,100
Torque	lb-ft at rpm	553 at 2,500 – 4,500
ISG output	hp	23
ISG torque	lb-ft	151
Transmission ratios (9-speed)	:1	5.35/3.24/2.25/1.64/1.21/1.00/0.87/0.72/0.60/R 4.80
Suspension, brakes and steering		
Suspension (standard)		AIRMATIC air suspension with intelligent damping
Front brakes	in	Type: internally ventilated and perforated discs Disc diameter: 14.6
Rear brakes	in	Type: internally ventilated discs Disc diameter: 14.2
Steering		Speed-dependent, electro-mechanical power assist
Standard wheel size		8.5 J x 19 ET 31.5
Standard tire size		255/45 R19
Dimensions and weight		
Number of doors/seats		4/5
Length/width/height	in	208.8/75.6/59.2
Wheelbase	in	126.6
Turning circle (wall-to-wall)	ft	39 w/ standard 4.5-degree rear-axle steering (35.4 w/ optional 10-degree rear-axle steering)
Track width, front/rear	in	65.4/66.5
Trunk capacity	cu ft	14
Curb weight	lbs	5,016
Fuel tank capacity	gal	20.1
Performance		
Acceleration 0-60 mph	s	3.9 (est.)
Top speed	mph	130 (electronically limited)

Mercedes-Benz S 580e 4MATIC Sedan

Drivetrain and battery		
Drive config.		4MATIC all-wheel drive
Cylinder arrangement/number		Inline-6
Displacement	cc	2,999
Bore x stroke	mm x mm	83.00 x 92.35
Compression ratio		10.5:1
Combined system output	**hp**	**576**
Combined system torque	**lb-ft**	**553**
Combustion engine output	hp at rpm	442 at 5,500 – 6,100
Combustion engine torque	lb-ft at rpm	413 at 2,200 – 5,000
Electric motor output	hp	161
Electric motor torque	lb-ft	354
Battery capacity (usable)	kWh	21.96
Charging capacity	kW	DC: 60 / AC: 9.6
Suspension, brakes and steering		
Suspension (standard)		AIRMATIC air suspension with intelligent damping
Front brakes	in	Type: internally ventilated and perforated discs Disc diameter: 14.6
Rear brakes	in	Type: internally ventilated discs Disc diameter: 14.2
Steering		Speed-dependent, electro-mechanical power assist
Standard wheel size		8.5 J x 19 ET 31.5
Standard tire size		255/45 R19
Dimensions and weight		
Number of doors/seats		4/5
Length/width/height	in	208.8/75.6/59.2
Wheelbase	in	126.6
Turning circle (wall-to-wall)	ft	39 w/ standard 4.5-degree rear-axle steering (35.4 w/ optional 10-degree rear-axle steering)
Track width, front/rear	in	65.2/66.3
Trunk capacity	cu ft	9
Curb weight	lbs	TBA
Fuel tank capacity	gal	17.7
Performance and range		
Acceleration 0-60 mph	s	4.4 (est.)
Top speed	mph	130 (electronically limited)
Electric range (EPA)	mi	TBA

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About Mercedes-Benz USA

Mercedes-Benz USA (MBUSA), headquartered in Atlanta, is responsible for the distribution, marketing and customer service for all Mercedes-Benz products in the United States. MBUSA offers drivers the most diverse lineup in the luxury segment with 18 model lines ranging from the sporty GLA SUV to the flagship S-Class and the dynamic all-electric vehicles from Mercedes-Benz. MBUSA is also responsible for Mercedes-Benz Vans in the U.S. More information on MBUSA and its products can be found at www.mbusa.com and www.mbvans.com. To learn more about all Mercedes-Benz entities in North America, visit group.mercedes-benz.com/northamerica.

Accredited journalists can visit our media site at media.mbusa.com.

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[1] A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.
[2] Our driver assistance and safety systems are aids and do not relieve you of your responsibility as the driver. Please take note of the information in the Owner's Manual and the system limits which are described therein. Driver remains responsible to monitor the parking process and surroundings at all times.
[3] Future enhancements and features may be available via Over-The-Air (OTA) updates. Geographic limitations may apply.
[4] Driver remains responsible to monitor the parking process and surroundings at all times.
[5] Passengers can use the entertainment functions while the vehicle is moving in line with country-specific legal regulations.
[6] Company emails (like Outlook) must be authorized by the IT administrator of the organization. Not all email accounts are compatible.
[7] Power delivery dependent on the connected device.
[8] A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account. Features also require active MBUX Entertainment Package and data plan.
[9] Digital Extra: MBUX Entertainment Package is required.
[10] The specified air change rate is generally reached when the automatic climate control setting is at 72°F in automatic mode. However, the actual air change rate and air purification performance may vary based on ambient conditions, vehicle usage and individual settings.
[11] In order to use the "Car-to-X" service, customers must have a Mercedes me connect account. Only then will data be collected in the car and the vehicle-related "Car-to-X" data transmitted to the backend, where it will be anonymized. Mercedes-Benz drivers can easily activate or deactivate the service via their user account in the Mercedes me portal or in the Mercedes-Benz app. There, they can also object to data being passed on.