



- **The 2010 S400 HYBRID Sedan**
MSRP \$87,950
- **Passenger capacity**
5
- **Cargo capacity**
16.4 cu ft
- **Transmission type**
7-speed automatic

- **Power**
295 hp @ 6,000 rpm
- **Engine**
3,498-cc 24-valve V-6
- **0 - 60**
7.2 seconds
- **City Fuel economy**
TBD
- **Highway Fuel economy**
TBD



► **COMAND System**
Control the radio, CD changer, and more without taking your eyes off the road



► **Rear View Camera**
The wide-angle camera helps you see what's behind when reversing



► **Service and Parts**
Superior care for the life of your Mercedes-Benz

► Print

Exterior Dimensions

Wheelbase	124.6 in	Overall width	83.5 in
Overall length	206.5 in	Coefficient of drag	0.26 cd
Overall height	58.0 in	Curb weight	TBD

Interior Dimensions

Front		Rear	
Headroom	37.8 in	Headroom	38.5 in
Legroom	41.9 in	Legroom	42.3 in
Cargo capacity(1)	16.4 cu ft		

Engine, Drivetrain, and Performance

Engine		Drivetrain	
Net power	295 hp @ 6,000 rpm	Transmission	<ul style="list-style-type: none"> • 7-speed automatic • Steering-wheel-mounted shift buttons allow for Touch Shift gear selection • Electronically controlled shifting • Driver-adaptive programming adjusts shift points
Fuel and ignition system	Sequential fuel injection and twin-spark ignition. Four valves per cylinder with continuously variable intake and exhaust valve timing		

Fuel tank (capacity - reserve)	23.8 - 2.9 gal	to the driver's current driving style	
Net torque	284 lb-ft @ 2,800 - 4,800 rpm		
Compression ratio	10.7:1		
Construction	3,498-cc DOHC 24-valve V-6		
Fuel requirement	Premium unleaded gasoline, 91 pump octane		
Performance		<ul style="list-style-type: none"> • Driver-selectable Comfort mode starts vehicle moving in 2nd gear or 2nd Reverse gear, and upshifts at lower rpm to help improve control on slippery surfaces 	
Acceleration(2)	0 - 60 in 7.2 seconds		
		Rear axle ratio	3.07:1
		Drive configuration	2WD (rear wheel drive)
		Fuel economy	
		EPA estimate(3)	TBD
		Highway estimate(4)	TBD
		Emission certification	ULEV of LEV II

▼ Chassis and Traction Control/Stability Systems

Chassis		Traction Control & Stability	
Front suspension	4-link suspension, antilift control, gas-pressurized shock absorbers, and stabilizer bar	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 regained(5)
Airmatic Semi-Active Air Suspension with Adaptive Damping System (ADSII)	ADSII is an electronically controlled system that instantly adjusts Airmatic's spring-struts to the road and driving conditions to optimize ride and handling		
Rear suspension	Multilink independent suspension, antisquat, and antidive system		
Steering	Power-assisted, speed-sensitive rack-and-pinion steering		

▼ Brakes, Wheels, and Tires

Brakes		Wheels/Tires	
Dual-circuit power-assisted 4-wheel disc brakes	13.2" perforated and ventilated front discs and 11.8" ventilated, rear	Wheels	18" split 7-spoke (8.5 x 18.0)

	discs. Cast-iron 4-piston fixed calipers on front and cast iron single-piston floating calipers on rear	Tires	255/45 R18, all-season7
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 (BAS)	BAS 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 BAS6		

Exterior and Interior Features

Exterior Features		Interior Features	
Heated windshield washer reservoir		Built-in keypad located beneath handrest	Easy access to Hands-Free Communication System and radio presets
Rain-sensing variable intermittent wipers	Measure rainfall on windshield and adjust wiper speed and frequency accordingly	Adjustable fiber-optic ambient lighting under the door and cockpit wood trim panels	
Laminated infrared-reflecting glass	Helps reduce radiant heat, UV rays, and noise penetration	Electronic parking brake	Disengages when the vehicle is put into gear and gas is applied
Power tilt/sliding tinted-glass sunroof	With one-touch express-open/close and memory	Power rear-window sunshade	With one-touch express-up/down
Dual heated power mirrors	<ul style="list-style-type: none"> • Linked to driver's seat memory • Auto-dimming left-side mirror 	Auto-dimming rearview mirror	
Dual aero-blade windshield wipers		4-way (tilt/telescoping) power steering column	Linked to driver's seat memory

Bi-Xenon High-Intensity Discharge (HID) low-/high-beam headlamps	<ul style="list-style-type: none"> • Automatic level control • Heated headlamp washers 	Programmable easy-exit feature	Moves driver's seat back and/or raises steering column
Selectable light-sensing headlamps		Four illuminated vanity mirrors in sun visors and rear-cabin ceiling	
Electrically heated rear window	With auto-shutoff based on time, driving speed, and outside temperature	Dual-zone automatic climate control	With individual driver and front passenger control of temperature, speed, and airflow distribution via hard keys (airflow and temperature only) or COMAND system
Halogen front foglamps.	Rear foglamp in left taillamp		
Variable Doorstop holds the door open at virtually any point		Electrostatic dust and pollen filter	
Programmable power fold-in side mirrors	<ul style="list-style-type: none"> • Retract when car is locked • Fold out when front door is opened 	Sun sensor	Helps compensate for the effects of direct sunlight on the occupants
Instrumentation		Humidity/dewpoint sensor	<ul style="list-style-type: none"> • Helps reduce window fogging during humid weather • Helps prevent overdrying of cooled air
Digital display of speedometer, odometer, and Touch Shift gear/mode selection		Seat-belt usage sensors	Allow climate control to focus on occupied seating positions
Onboard tire-pressure monitoring system	Allows driver to check the inflation pressure of all four mounted tires	COMAND controller	Provides easy and convenient operation of the vehicle's systems
Electronic analog tachometer and fuel gauge		Multifunction steering wheel	Provides convenient additional controls for basic audio, Voice Control, and phone functions, as well as operation of the multifunction display
Mercedes-Benz Maintenance System Plus	<ul style="list-style-type: none"> • Displays distance remaining to next basic maintenance service, indicates type of service due, and provides automatic reminder when service interval draws near • System also monitors brake-pad wear 	Steering-wheel-mounted shift buttons behind steering wheel	
Multifunction display in instrument cluster	Multifunction display in instrument cluster, scrolled via steering-wheel controls to operate and display various menus and vehicle features:		

- Outside temperature indicator
- Digital speedometer
- Maintenance System (see below)
- Engine oil-level check
- Radio station, 6-disc CD changer
- iPod playlist/track (with accessory iPod Integration Kit)
- SIRIUS Satellite Radio
- Hard-drive-based navigation system route guidance
- Vehicle reminder and message indicator
- Driver-programmable settings for instruments
- Lighting, and vehicle and convenience features
- Trip computer (elapsed time, fuel consumption, and distance to empty)
- Distronic Plus Adaptive Cruise Control settings(8)

▼ Safety and Security Systems

Restraint Systems

Active Front Head Restraints

Power-adjust for height, manually adjust fore-aft, and automatically height-adjust as seat is moved fore-aft

Dual-stage front air bags

Adaptive for the front passenger. Deployed in response to frontal impact severity exceeding a preset deployment threshold(9)

PRE-SAFE

Helps prepare the occupants for a possible collision before one occurs. If PRE-SAFE senses a possible accident based on brake pedal application pattern, steering-wheel input pattern, or Electronic Stability Program (ESP) activation level, it will take action to help protect you

Locking & Security

SmartKey

- SmartKey remote control integrates Remote Door Unlock, Tailgate Unlock button (or power tailgate open), and panic alarm
- Driver may selectively unlock only the driver's door and fuel filler, or all doors plus the tailgate and fuel filler
- Offers infrared-remote opening/closing of windows and sunroof

Emergency trunk release

Located inside trunk and illuminated for 60 minutes after trunk is closed

	better depending on the situation, including electrically tensioning the front seat belts, adjusting the front passenger seat for potentially more favorable air bag and seat-belt effectiveness, and closing the side windows and sunroof(10) (if a possible rollover is detected)		
Rear seat belts	Automatically height-adjusting rear shoulder belts	Locator lighting	<ul style="list-style-type: none"> • Uses the car's lights to help illuminate a return path when the car is remote-unlocked in darkness • Unlocking car activates illuminated entry system
Three rear-seat head restraints, manually adjustable fore-aft	All three head restraints can also be remotely retracted by the driver 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	mbrace Remote Door Unlock(12)	
Occupant Classification System (OCS)	OCS automatically turns the front passenger's front air bag on or off and adjusts the air bag inflation rate based on the weight category determined by weight sensor readings from the front passenger seat(11)	mbrace Anti-Theft Alarm Notification	Alerts Mercedes-Benz to contact vehicle owner if antitheft alarm sounds(12)
Emergency Tensioning Devices (ETDs)	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. The opposite-side ETDs also deploy in side impacts	Antitheft alarm	With remote panic feature
		mbrace GPS-based Stolen Vehicle Recovery	Helps law enforcement agencies track and recover stolen vehicles(12)
		Integrated three-button garage door control	Compatible with HomeLink components and some other systems
		Night security illumination	Uses the car's exterior lights to help illuminate a path after parking
		Driver-programmable driveaway	Locking automatically locks the doors when the car reaches 9 mph

	<p>exceeding the deployment threshold. Mercedes-Benz mbrace Automatic Collision Notification engages the SOS function if an air bag or ETD deploys.</p>
Front seat belts	<p>Include manually height-adjustable shoulder belts and lower points attached to seat frames. Outboard second-row shoulder belts are automatically height-adjusting</p>
Window Curtain Air Bags	<p>In a side impact exceeding a preset threshold, a multi-chamber air bag deploys along the front and rear side-door windows on the affected side of the vehicle.(9) Integrated rollover sensor automatically deploys the ETDs and, if deemed necessary, the Window Curtain Air Bags in the event of a detected rollover(9)</p>
Universal LATCH system (Lower Anchors and Tethers for Children)	<p>At rear outboard seating positions. Selectable passenger seat-belt retractors help secure child seats(9)</p>
mbrace Automatic Collision Notification	<p>Engages the SOS function if an air bag or ETD deploys(12)</p>
Integrated Restraint System	<p>Driver and front passenger are each provided with an adaptive dual-stage front air bag, a side-impact air bag, and a 3-point seat belt with an Emergency Tensioning Device (ETD) and adaptive belt force limiter.(9) Second-row outboard passengers are each provided with a 3-point seat belt with an ETD, belt force limiter, and side-impact air bag. Second-row center passenger is provided with a 3-point seat belt only(9)</p>

☐ Comfort and Convenience Features

Seating & Trim

14-way power-adjustable front seats

- Each with 3-position memory
- Driver's seat memory includes steering column and outside mirror positions, and is linked to SmartKey user recognitions

Three-level heated front seats

Driver and front passenger power-adjustable lumbar support

Wood/leather trimmed steering wheel

Leather upholstery and trim

Hand-polished Burl Walnut wood trim

Audio, Navigation, and Communication

COMAND Cockpit Management and Data system

20-gigabyte hard-drive-based in-dash next generation navigation system

Uses Global Positioning System (GPS) satellites to determine the current location of your car(13)

harman/kardon LOGIC7 7.1-channel digital surround-sound system

600 watts, 14 speakers, a 5.1-channel amplifier, and Digital Dynamic Volume Control

PCMCIA slot

Allows you to transfer digital audio files from your PC onto a memory card and play them through the COMAND system

Integrated single-feed 6-disc CD changer

Hands-Free Communication System with Voice Control

Mercedes-Benz mbrace

Mercedes-Benz mbrace uses GPS satellites plus a cellular link to provide 24-hour live assistance for emergency assistance (SOS button), connection to Roadside Assistance (wrench button or vehicle information and access to premium services (i-button). Mercedes-Benz mbrace Package includes Automatic Collision Notification, Stolen Vehicle Location Assistance, Remote Door Unlock, Dealer Connect, and more.

☐ Options & Packages

Individual Options

Individual Options

- 19-inch multispoke alloy wheels
- 20-inch 10-spoke alloy wheels

Optional Packages

Premium 1 Package

- Bi-Xenon headlamps with active curve illumination

- Wood/premium leather steering wheel
- Night View Assist PLUS
- Power rear side window shades

- LED Daytime Running Lamps
- Adaptive Highbeam Assist
- Heated and active ventilated front seats

Premium 2 Package

- Drive-Dynamic multicontour front seats with massage
- Rear View Camera
- PARKTRONIC with Parking Guidance
- KEYLESS-GO

Driver Assistance Package

- Blind Spot Assist
- DISTRONIC PLUS (with PRE-SAFE Brake)
- Lane Keeping Assist

Sport Package

- Sport bodystyling
- 19-inch AMG 5-spoke light-alloy wheels

Sport Package Plus One

- Sport bodystyling
- 20-inch AMG 5-spoke alloy wheels

Rear Seat Package

- Five-place seatings
- Four-zone automatic climate control
- Heated and active ventilated rear seats
- 8-way power-adjustable seats

Rear Seat Entertainment Package

1. Unsecured cargo can become hazardous in a collision. Always secure cargo using floor-mounted tie-downs.
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. 2009 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.
4. Your actual highway mileage will probably be less than the highway estimate.
5. No system, regardless of how advanced, can overcome physics or correct careless driving. Best performance in snow is obtained with winter tires. Please always wear your seat belt.
6. Braking effectiveness also depends on proper brake system maintenance, and tire and road conditions.
7. Lower aspect ratio tires and accompanying wheels provide substantially increased treadwear, increased tire noise and reduced ride comfort. 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. These tires are not designed for use on snow and ice. Winter tires mounted on appropriately sized and approved wheels are recommended for driving in those conditions.
8. When equipped with this feature.
9. WARNING: THE FORCES OF A DEPLOYING AIR BAG CAN CAUSE SERIOUS OR FATAL INJURIES TO A CHILD UNDER AGE 13. THE SAFEST SEATING POSITION FOR YOUR CHILD IS IN THE REAR SEAT, BELTED INTO AN APPROPRIATE, PROPERLY INSTALLED CHILD SEAT, OR CORRECTLY WEARING A SEAT BELT IF TOO LARGE FOR A CHILD SEAT. SEE OPERATOR'S MANUAL FOR ADDITIONAL WARNINGS AND INFORMATION ON AIR BAGS, SEAT BELTS AND CHILD SEATS.
10. A small gap is left near the full-close position. For vehicles with Panorama Roof, PRE-SAFE will not automatically close the roof in the event of an impending accident.
11. OCCUPANT CLASSIFICATION SYSTEM (OCS) IS DESIGNED TO TURN THE FRONT PASSENGER'S FRONT AIR BAG OFF WHEN THE SYSTEM SENSES THE WEIGHT OF A TYPICAL CHILD 12 MONTHS OLD OR LESS PLUS THE WEIGHT OF A STANDARD APPROPRIATE CHILD RESTRAINT. SEE OPERATOR'S MANUAL FOR IMPORTANT ADDITIONAL INFORMATION ON THIS SYSTEM AND FOR FURTHER INFORMATION REGARDING THE TRANSPORTATION OF CHILDREN HEAVIER THAN A TYPICAL 12-MONTH-OLD.
12. Mercedes-Benz mbrace is optional on all C-Class, GLK-class, R-class, and E-class coupe models. When equipped with mbrace, there is a 6 month trial period of the mbrace Package on new vehicles and an optional 3 month PLUS Package trial. Three month mbrace Package trial period is offered on Certified Pre-Owned and pre-owned sales at an authorized Mercedes-Benz dealer. Subscriber Agreement required for service to be active. Service operates only where cellular and Global Positioning Satellite signals are available and requires adequate power supply. In order to activate Stolen Vehicle Location Assistance, you must provide your mbrace Personal Identification Number (PIN) and valid stolen vehicle police case number. PIN is additionally required for Remote Door Unlock.
13. While the Navigation System provides directional assistance, the driver must remain focused on safe driving behavior, including paying attention to traffic and street signs. The driver should utilize the system's audio cues while driving and should only consult the map or visual displays once the vehicle has been stopped in a safe place. Maps do not cover all areas nor all routes within an area.
14. Please see your dealer for warranty details as well as for terms, conditions and pricing for extended warranty options. Surcharges for extended warranties apply after the first year.
15. Whichever comes first. Requires use of 229.5-spec oil and high-performance fleece oil filter. Driver is responsible for monitoring fluid levels and tire pressure between service visits. See Maintenance Booklet for details.
16. On models with different-sized front and rear tires, which cannot be rotated, dealer will inspect tires and set inflation pressure. Follow tire manufacturer's recommendations.

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Excludes all options, taxes, title registration, \$875 transportation charge and dealer prep fee.

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