

VPS “DIPLOMAT”

VPS proudly announces a new discreetly armored version of a luxury class limousine called DIPLOMAT based on all-new Mercedes-Benz S450/500 V223 4Matic in CEN B4 from 1st quarter of 2021 year!!!

The S-Class stands for the fascination of Mercedes-Benz: legendary and traditional engineering expertise defines the luxury segment in the automobile industry. The new S-Class can be experienced with all the senses – seeing, feeling, hearing and smelling – while offering numerous innovations in the areas of driver assistance, protection and interaction. Mercedes-Benz is shaping the next generation of individual mobility for our times with innovations that place the focus on people. The new S-Class uses digitization for a car that responds empathetically to the needs and wishes of its driver and passengers.

Sometimes numbers say more than a thousand words!

- ❑ The turning circle is reduced by up to 2 metres with rear-axle steering compared to a model without it.
- ❑ The maximum steering angle is 10°.
- 27 languages are supported by "Hey Mercedes" with Natural Language Understanding (NLU).
- ❑ 31 loudspeakers and eight exciters are included in the Burmester® high-end 4D surround sound system.
- ❑ Comfort on the front passenger seat is assisted by up to 19 motors (8 for adjustments, 4 for massage and 5 for ventilation, one for the lumbar support and one to move the monitor on the reverse).
- ❑ 10 different massage programmes are available in the new S-Class.
- ❑ The plug-in hybrid variant of the S-Class will have an electric range of up to 100 kilometers.
- ❑ The display area of the augmented reality head-up display corresponds to a monitor with a diagonal of 77 inches.
- ❑ The boot capacity has increased by 20 litres to up to 550 litres compared to the previous model.
- ❑ With a C_d figure from 0.22,^[1] the S-Class is one of the world's most aerodynamic cars. Its drag coefficient is therefore lower than before, despite a larger frontal area 200 sq. cm.
- ❑ Compared to the preceding model, elbow-room for the driver has increased by 38 millimeters and by up to 23 millimeters for rear passengers. Headroom in the rear has increased by up to 16 millimeters.
- ❑ The resolution of DIGITAL LIGHT per vehicle is over 2.6 million pixels.
- ❑ The computing power of MBUX (Mercedes-Benz User Experience) has increased by 50 percent compared to the system in the previous model. The memory bandwidth is 41,790 MB/s.
- ❑ When a side impact threatens, the vehicle body can be raised by up to 8 centimetres by the E-ACTIVE BODY CONTROL suspension (optional) within a few tenths of a second.

This is a new function of PRE-SAFE® Impulse Side:

17 step motors control the temperature and air distribution in the Thermotronic system.



- ❑ The 4-zone climate control Thermotronic Rear even has 20 step motors. These electric motors operate the air flaps.
- ❑ In the Active Ambience Lighting system, there is an LED in an optical fibre every 1.6 centimeters.

There are around 250 in all.

- ❑ The new OLED central display measures 239.06 mm x 218.8 mm, and has an active screen diagonal of 12.8 inches. The screen area is 64 percent larger than in the preceding model. The driver display measures 291.6 mm x 109.4 mm and has a diagonal of 12.3 inches.
- ❑ The tubular structure of the innovative rear airbag is around 16 litres, while the total volume of the deployed bag is up to 70 litres.
- ❑ The control units of E-ACTIVE BODY CONTROL analyse the driving situation and adjust the suspension 1000 times per second.
- ❑ The designation "S-Class" was officially introduced with the 116 series in 1972. More than 98 kg of components made from resource-conserving materials are used in the S-Class. The number of components containing recyclates is now 120 – more than twice as many as in the preceding model. Another 40 kg or so are made from renewable raw materials.
- ❑ W/V223 is the internal designation of the new model series.
- ❑ The new tool used to micro-perforate the seats operates with 16,000 needles.

ORDER this luxury and armored limousine now and you will get a combination of exclusivity and reliable protection in one product!. This luxury and armored limousine will be built on base of on all-new Mercedes—Benz S450/500 V223 4Matic in B4 level protection in accordance with European standards 1999 CEN FB 1063 and CEN BR 1522/1523.

This luxury class limousine will be available on the market in 1st quarter of 2021 year!

All products are developed, engineered and manufactured in EU.



Armored limousine based on Mercedes-Benz S-class V223 in CEN B4



Photos: Daimler AG



Armored limousine based on Mercedes-Benz S-class V223 in CEN B4



Photos: Daimler AG



TECHNICAL DATA

- Long wheelbase: 3216
- Lenght/Width/Height: 5320/1954 mm (with folded mirrors)/1503 mm (with roof rails and antenna)
- Fron/rear tracks: 1660/1688 mm
- Front/rear overhangs: 896/1208 mm
- Hood opening high, min/max: 1805/2147 mm
- Trunk lid opening high: 1663 mm
- Length from front bumper to front door edge: 1593 mm
- Turning diameter: not available yet
- Fuel capacity: 90 l
- Trunk capacity: now available yet
- Seating: 4
- Engine: Daimler-Benz M 256, 6 in-line
 - Type: Spark-Ignition 4-stroke
 - Fuel type/system: petrol direct injection
 - Charge system: 2-turbochargers
 - Valves per cylinder: 4
 - Additional features: additional EQBoost electric starter-generator motor, 48 volt installation/DOHC/Start-Stop system
 - Emission control: 3-way catalyst, Lambda-Sensor
 - Emission standard: EURO6
 - Cylinders alignment: V8
- Model: S450 / S500 4Matic Gasoline
 - Displacement: 2999 c.cm
 - Power Output: 367 hp/270 kW @ 5500-4500 rpm / 435 hp/320 kW @ 5900-6100 rpm
 - Torque: 500Nm @ 1600-5000 rpm / 520Nm / @ 1800-5500 rpm
- Transmission: 9G-TRONIC 9-speed automatic, electronically controlled
- Traction: 4x4 full-time (4Matic all-wheel drive permanent, planetary center differential 50/50 torque split)



B4 level protection is against .357 Magnum (9×33mmR) / .44 Remington Magnum (10.9×33mmR)



ARMORING PACKAGE B4

Ballistic glazing:

- Front, back and 6 side windows, thickness \pm 21-23mm
- All windows are developed, engineered and manufactured according to standards
- All windows are tinted except front doors and windshield
- All side windows will have the steel-glass solution to give them maximum safety
- Tungsten heating integrated into windshield and rear glass
- All windows are mounted and fixed

Ballistic steel and lightweight composite materials:

- 4 doors with an additional structural reinforcement inside the doors
- Steel firewall between engine compartment and passenger compartment
- Steel bulkhead between passenger compartment and trunk
- Rear quarters from roof till bottom
- Rear wheel wells (arches)
- A, B,C and D pillars from roof till bottom
- The overlaps between the armor plates are made from steel
- Fuel tank protection
- Battery and EMC protection
- Run-Flat tyre system
- Fire-extinguisher for engine compartment
- Intercom communication system from driver side

Extra options included into armoring package:

- Front and rear door window are operable as far as technically possible minimum of 18cm
- Anti-fragmentation floor protection class 1 against 1 x DM51 hand grenade
- Electronics, lots are possible up on request. Blue lights intercom siren etc.

Other extra options: on request

NOTE: Roof without sunroof and without panoramic roof due to the armoring

Delivery time: on request

In case we shall support you as well feel free to contact us for price and specification via e-mail: ypsmotorsgroup@yahoo.com and luxuscars@yahoo.com , via WhatsApp <http://www.wasap.my/79852754433>

Please, visit our website www.armor.ru and our accounts in social networks shown at the top of the home page!

