

# BRABUS 800

**The sporty luxury sedan based on the Mercedes S 63 4MATIC+**

**Performance upgrade to a peak output of 588 kW / 800 hp and 1,000 Nm of peak torque, carbon aerodynamics, 21-inch hi-tech forged wheels and tailor-made interior**

**BRABUS 800:** That is the name of an extremely sporty luxury sedan based on the Mercedes S 63 4MATIC+, which BRABUS, the world's largest independent automotive refinement specialist, presents at the 2020 Geneva Motor Show.

At the heart of the supercar is the four-liter, twin-turbo V8 with BRABUS performance upgrade, which was developed and tested in the engine development department of BRABUS (Brabus-Allee, D-46240 Bottrop, phone + 49 / (0) 2041 / 777-0, fax + 49 / (0) 2041 / 777 111, internet [www.brabus.com](http://www.brabus.com)).

The high-performance engine produces a peak output of 588 kW / 800 hp (789 bhp) and a peak torque of 1,000 Nm (737 lb-ft), on tap at 3,000 rpm. In combination with the 4MATIC+ all-wheel-drive system, this engine accelerates the exclusive four-door from rest to 100 km/h (62 mph) in just 3.1 seconds.

To provide a match for the high-performance character of the four-door, the BRABUS designers went into the wind tunnel to develop carbon aerodynamic-enhancement components that not only give the vehicle an athletic appearance, but also reduce front- and rear-axle lift. 23-inch BRABUS "PLATINUM EDITION" forged wheels round off the exclusive looks of the BRABUS 800.

The broad range of BRABUS fine leather interior appointments gives owners the possibility to tailor their supercar to their personal preferences in the interior as well.

The latest Mercedes S 63 is powered by a twin-turbo V8 with a displacement of 3,982 cc. This engine offers great performance reserves, which the BRABUS powertrain engineers unleash with their latest performance upgrade. To this end, they used their tremendous expertise from more than 40 years of tuning to develop a custom-made performance kit. This conversion comprises two BRABUS high-performance turbochargers with a larger compressor unit and a modified core assembly with reinforced axial bearings. They produce a maximum boost pressure of 1.6 bar.

The engine tuning also comprises a plug-and-play BRABUS PowerXtra module, which is connected to the vehicle's electronic engine control unit and provides the engine with new mapping for injection and ignition. In addition, this control module also modifies the electronic boost pressure control. This engine conversion produces an extra 138.4 kW / 188 hp (186 bhp) of power and 100 Nm (74 lb-ft) more torque. BRABUS recommends hi-tech lubricants from technology partner Motul.

With an output of 588 kW / 800 hp (789 bhp) at 6,700 rpm and a peak torque of 1,000 Nm (737 lb-ft) at 3,600 rpm, the BRABUS 800 accelerates from rest to 100 km/h (62 mph) in just 3.1 seconds. The standard-spec 4MATIC+ all-wheel drive ensures outstanding traction. The nine-speed automatic transmission changes gears automatically or can be shifted manually with the BRABUS RACE aluminum paddle shifters.

The top speed is 300 km/h (186 mph). A BRABUS Vmax module that will permit even higher speeds is already in development.

Of course, BRABUS backs also this performance upgrade for the S 63 4MATIC+ with the exemplary three-year, 100,000-kilometer / 62,000-mile BRABUS Tuning Warranty® (see BRABUS Warranty Terms and Conditions, updated July 2013).

As the ideal complement to the engine tuning or as an attractive upgrade for any standard S 63, BRABUS offers a stainless sport exhaust system with actively controlled exhaust flaps. The driver can select the different options of the electronic sound management in the cockpit and change the exhaust note to suit his taste. There is the subtle "Coming Home" mode, which is quieter than the V8 with the production exhaust. The "Sport" position opens the exhaust flaps in the system. The eight-cylinder then sounds even more thrilling and powerful than in stock specification. To match the paint finish of the show car for the Geneva Motor Show 2020, the dual BRABUS tailpipes on the left and right were also painted black.

In line with the high-performance potential of this luxury sedan, the bodywork was also refined with sporty BRABUS components developed for the facelift generation of the S 63. The range of naked-carbon parts with high-gloss coating starts with the BRABUS front spoiler lip and the attachments for the front bumper, which upgrade the production bumper visually. What is more: The fine-tuning of these components in the wind tunnel results in a reduction in front-axle lift, which at high speeds further optimizes the handling stability. It also routes the cooling air even more precisely to the radiators and front brakes.

The carbon design elements on the two front fenders give the BRABUS 800 a more athletic appearance as well. The lights of the integrated BRABUS logos are activated automatically by the Keyless Go system when the driver approaches the vehicle or by pulling on an inside door handle.

The LEDs on the underside of the BRABUS rocker panels light up at the same time. This underfloor lighting makes it safer to approach the vehicle in the dark and helps to avoid stepping in a pothole or puddle. The stainless scuff plates with BRABUS 800 logo for all four doors also are backlit – optionally with colors changing in sync with the ambient lighting of the interior.

At the rear, the BRABUS naked-carbon diffuser with tailor-made cutouts for the BRABUS sport exhaust and the discreet rear spoiler round off the BRABUS styling concept harmoniously.

The racy BRABUS looks of course also include tailor-made wheels. This vehicle side on the stand in Geneva displays BRABUS Monoblock M "PLATINUM EDITION" hi-tech forged rims. This wheel design, here in the combination "black-polished," fascinates with a combination of large disc design. Each rim has ten larger and smaller openings. They break up the surface and optimize the venting of the brakes thanks to their sophisticated design.

The other side features sporty-elegant forged BRABUS Monoblock F cross-spoke wheels in the same sizes, 9Jx21 on the front axle and 10.5Jx21 at the rear. In this case, it is a decidedly sporty variant of these rims. To this end, the wheels were painted all black and then a red ring was painted on the rims behind the spokes to match the heat-resistant brake calipers. Both sets of rims are mounted with high-performance tires of sizes 255/35 ZR 21 at the front and 295/30 ZR 21 on the rear axle. BRABUS trusts in tires from its technology partners Continental, Pirelli and YOKOHAMA.

Other BRABUS Monoblock wheels can be chosen as an alternative. They are available for the Mercedes S-Class with diameters ranging from 18 to 22 inches. To match the ultra-low-profile tires, BRABUS lowers the suspension by about 15 millimeters (.6 inches) with a special control module. This further optimizes the driving dynamics.

Another BRABUS dominion is exclusive interior design. The company upholstery shop will be happy to create a BRABUS fine leather interior in a virtually endless variety of colors and

upholstery layouts for S-Class owners, tailored to their preferences with flawless workmanship in every detail.

The BRABUS selection of genuine carbon and exotic wood elements for the cockpit is just as diverse. They can be realized in countless different variants. The sporty looks in the cockpit also include aluminum components such as the BRABUS RACE paddle shifters, pedals and door pins.

An equally elegant and functional BRABUS Business center console is optionally available for the rear compartment. It houses a retractable table for each of the rear bucket seats.

**Fuel consumption, CO<sub>2</sub> emissions and efficiency class:**

BRABUS **800** based on the S 63 4MATIC+: city 11.7 l/100 km, highway 7.3 l/100 km, combined: 8.9 l/100 km. Combined CO<sub>2</sub> emissions: 203 g/km, efficiency class D.

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