
Audi RS Q8 performance – Drive technologies and driving dynamics

Ready for anything: Eight-cylinder engine in two output levels

The new RS Q8 (combined fuel consumption in l/100 km: 13.6-13.0 (17.7-18.1 US mpg); combined CO2 emissions in g/km: 310-295 (262.3-474.8 g/mi); CO2 class: G) is guaranteed to impress with an output of 441 kW (600 PS) and 800 Nm of torque, which is available between 2,200 and 4,500 rpm. The output of the twin-turbocharged eight-cylinder engine makes for outstanding driving dynamics. The RS Q8 (combined fuel consumption in l/100 km: 13.6-13.0 (17.7-18.1 US mpg); combined CO2 emissions in g/km: 310-295 (262.3-474.8 g/mi); CO2 class: G) accelerates from 0 to 100 km/h in just 3.8 seconds. The standard electronically limited top speed is 250 km/h, which can be increased to 280 km/h or a maximum of 305 km/h as an option. Thanks to its increased output of 471 kW (640 PS) and 850 Nm of torque, the RS Q8 performance (combined fuel consumption in l/100 km: 13,6-13,1 (17.7-18.0 US mpg; combined CO2 emissions in g/km: 310-297 (474.8-478.0 g/mi); CO2 class: G) goes from zero to 100 km/h in just 3.6 seconds. The advanced eight-cylinder engine boasts more output than the RS Q8* production model. Moreover, it is the most powerful series-produced combustion engine in Audi Sport GmbH's history. By reducing back pressure, the newly developed, lighter exhaust system increases the output of the RS Q8 performance* while creating a sportier, more evocative sound. Optionally, the exhaust system can be replaced with the RS sport exhaust system, which further intensifies the sound experience and stands out with glossy black tailpipes. "Both the new RS Q8 performance* and the RS Q8* embody sportiness and elegance. The top model of the Q8 series combines a passion for performance, prestige, and suitability for everyday use to create an exhilarating experience," says Rolf Michl, Managing Director of Audi Sport GmbH.

Driving dynamics for maximum driving fun: Self-locking center differential

Both versions of the new RS Q8* come as standard with permanent quattro all-wheel drive, which Audi Sport GmbH combines with an eight-speed Tiptronic with faster shifting times as standard. The wholly mechanical center differential, with its compact and lightweight design, distributes engine power to the front and rear axle at a ratio of 40:60. If slippage occurs, no more than 70 percent of the drive torque is applied to the front and up to 85 percent to the rear axle. This mode of operation results in more precise cornering, less understeer, and more exact turn-in.

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