



Audi RS 5 – Electrified powertrain with electric motor

The new Audi RS 5* is Audi Sport’s first high-performance

plug-in hybrid (PHEV) With real RS DNA and the highly-tuned hybrid-technology to match. Whether carving canyons, running highway marathons, or gliding through town on electric power – the RS 5* masters any situation with agility and impressive precision. It covers an extremely wide spread of driving dynamics – from comfortable every-day companion to potent performer.

The high-performance PHEV is the first production RS model to feature a modular electrified powertrain: quattro with Dynamic Torque Control. At its heart are an improved 2.9-liter twin-turbo V6, an electric motor outputting 130 kW, the hybridized eight-speed gearbox, and a completely new rear transaxle with electro-mechanical torque vectoring – a world first in a production model. An actuator, overdrive gears, and a differential combine to intelligently transfer torque between the rear wheels. They do so almost fully variably and depending on the driving situation. A control unit recalculates optimal torque distribution between the rear wheel every 5 milliseconds – a frequency of 200 Hz. The torque vectoring system then immediately and precisely implements it. Put simply, electro-mechanical torque vectoring is the invisible maestro conducting an orchestra of performance and making sure customers experience driving fun and safety like never before.

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