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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