Audi Q3 Sportback e-hybrid 200kW – Chassis technology

New damper system for comfort and power

In addition to the engines, Audi has also significantly improved the driving dynamics of the new Audi Q3*. The further developed standard suspension delivers an improved driving experience. All in all, this dynamically designed vehicle is a family car suitable for everyday use as well as travel and impresses with its agility. The suspension systems available are the steel-spring suspension, the sports suspension, and the suspension with two-valve damper control.

The suspension with damper control continuously reacts to the characteristics of the road surface and the current driving situation, while taking into account parameters such as steering, braking, and acceleration. The ideal damping is calculated for each wheel in a fraction of a second and adjusted on the shock absorbers. The faster-acting twin-valve dampers also enable a better and smoother connection of the body to the suspension. At the same time, the separate control of the rebound and compression stages optimizes driving dynamics, as the expansion and suspension vibrations can be controlled independently of each other. The spread between comfort and sporty driving is more noticeable. The refined progressive steering also contributes to the agility of the new Audi Q3*. It doesn’t work too directly, but very precisely from the center. Towards the end of the steering travel, the steering ratio decreases significantly for greater maneuverability. The steering inputs are transmitted more directly to the wheels. What’s more, the steering response behind the wheel can be experienced more clearly, and feedback from the road is better. Reduced friction provides better steering feel. In the Audi drive select dynamic handling system of the new Audi Q3*, balanced mode also replaces auto mode. As the name suggests, balanced mode represents the optimum balance between driving dynamics and comfort. Balanced mode is activated every time the vehicle is started and can also be configured to suit individual requirements. “Offroad plus” (for quattro) can also be preselected as the default mode via the MMI if so desired.

01/2026

Source: www.audi-technology-portal.com
AUDI AG 2026