

Model Series, Innovation and Technology Communications

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Audi Q7

Combined fuel consumption in l/100 km: 6.4 – 5.5 (*36.8 – 42.8 US mpg*)

Combined CO₂ emissions in g/km: 168 – 144 (*270.4 – 231.7 g/mi*)

(Figures vary depending on engine/wheels/tires/number of seats)

The second generation of the Audi Q7 shines with innovative solutions in the areas of lightweight design, drive system, suspension, infotainment and assistance systems. Its spacious interior is highly configurable and offers luxury-class levels of comfort.

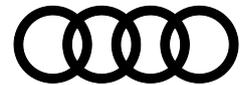
Design and body

The Audi Q7 has a confident road stance. The sculpted Singleframe grille dominates the front, with the daytime running lights forming a distinctive double-arrow pattern in the headlight unit. The tailgate with standard LED rear lights wraps around the upright D pillars. Inlays with the quattro logo in the door trim strips structure the lower part of the vehicle sides. The add-on parts embody a new concept of colors and materials.

The Audi Q7 is among the lightest models in its segment. Thanks to Audi's strict adherence to the principle of lightweight design, the curb weight of the base version is kept under two metric tons (without driver). The body alone saves 71 kilograms (*156.5 lb*) thanks to the innovative multi-material construction with numerous aluminum parts.

Drive system

Two V6 engines are available for the Audi Q7. The 3.0 TDI with 200 kW (272 hp) accelerates the five-seat Q7 from 0 to 100 km/h (*62.1 mph*) in just 6.3 seconds (6.5 seconds for the seven-seater). In the New European Driving Cycle (NEDC), the five-seater consumes just 5.9 liters of fuel per 100 kilometers (*39.9 US mpg*), corresponding to 154 grams of CO₂ per kilometer (*247.8 g/mi*). The Q7 ultra – the second, very efficient version of the 3.0 TDI – has an output of 160 kW (218 hp). It requires just 5.5 liters per 100 kilometers (*42.8 US mpg*) in the NEDC, corresponding to 144 grams of CO₂ per kilometer (*231.7 g/mi*).



Engine lineup

- ultra 3.0 TDI quattro with 160 kW (218 hp)
- 3.0 TDI quattro with 200 kW (272 hp)

The Audi Q7 comes standard with a particularly efficient eight-speed tiptronic. It transfers engine power to the quattro permanent all-wheel drive system.

Suspension

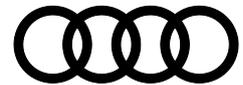
The handling of the large SUV is agile and at the same time comfortable. The electromechanical power steering and versatile Audi drive select system are standard. The vehicle can also be equipped with the optional adaptive air suspension with tilt angle display and optional all-wheel steering system that can turn the rear wheels up to five degrees. The wheel suspension systems are also entirely new. Compared with its predecessor, the chassis is over 100 kilograms (*220.5 lb*) lighter. The developers lowered the center of gravity of the Q7 by 50 millimeters (*2.0 in*), primarily by installing the engine lower.

Interior and controls

The Audi Q7 offers the largest interior in its segment. The interior feels like a luxurious lounge; it is spacious and open. A broad continuous air vent strip runs across the front of the cockpit in the passenger area. It ensures a very good interior climate with the optional 4-zone air conditioning system. A large selection of high-quality, two-piece inlays underscore the horizontal lines. When it is dark, optional very fine light guides trace the contours with individually selectable colors. All colors and materials are carefully coordinated. Optional leather packages for the seats and the dashboard as well as two different design selections make the interior even more exclusive.

Three versions of the front seats are available; they offer numerous options up to the customized contour seat with heating, massage and climate control functions. Customers can also choose the optional Audi virtual cockpit – the TFT display with a 12.3-inch diagonal shows high-resolution graphics and allows switching between different views. Audi includes a 7.3-inch central display as standard. The MMI navigation plus optionally comes with an 8.3-inch display and even a head-up display, if desired.

The backrests of the rear bench in the second row of seats fold down in the ratio of 35:30:35. With the optional rear bench seat plus, the seats can be individually adjusted longitudinally by up to 110 mm (*4.3 in*), so as to accommodate three child seats. Audi offers third row of power-folding seats as an option. The two individual seats are certified throughout the EU as Group III child seats and can also be used without restriction by adults. In the five-seat model the basic configuration of the luggage compartment boasts a volume of 890 liters (*31.4 cu ft*), and this can be increased up to 2,075 liters (*73.3 cu ft*). A power tailgate is standard, and gesture control is available as an option in conjunction with the convenience key.



Assistance systems

With its range of assistance systems, the Audi Q7 e-tron 3.0 TDI quattro sets standards that go far beyond the standards in its segment. Some of them have been completely redesigned; others significantly further developed. The predictive efficiency assistant helps the driver save fuel. The adaptive cruise control including traffic jam assist takes over the braking, acceleration and steering from the driver on well-paved roads at speeds of up to 65 km/h (*40.4 mph*) as long as traffic is slow-moving. In addition, the collision avoidance assist intervenes in the steering to help the driver avoid an obstacle. The turn assist monitors opposing traffic when turning left at low speeds and automatically brakes the car in a dangerous situation. Other highlights in the portfolio include the rear cross traffic assist, exit warning and trailer maneuver assist.

Infotainment

The Audi Q7 offers sophisticated MMI technology, optionally with MMI all-in-touch. Driver and front passenger can input characters on the large glass touchpad surface, and they can zoom and scroll using multi-finger gestures. With each input, the finger gets tactile feedback. The whole MMI control logic is similar to that of a smartphone, including the intelligent free-text search function. The voice control system recognizes inputs made using everyday language, such as: “Where can I refuel?”

The top-of-the-line infotainment system in the Audi Q7, MMI navigation plus, uses the second-generation modular infotainment module with its outstanding computing power. Its Wi-Fi hotspot connects the passengers’ mobile devices to the internet, while the LTE module brings the online services of Audi connect on board. The Audi smartphone interface integrates cell phones with the iOS or Android operating system into the infotainment environment.

For hi-fi connoisseurs, two optional sound systems are available: one from Bose and one from Bang & Olufsen with up to 1,920 watts of power and 3D sound.