



Model Line, Innovation and Technology Communications

Benedikt Still

Phone: +49 841 89 89615

E-mail: benedikt.still@audi.de

www.audi-mediacenter.com

Audi A3 Sportback g-tron: Starting the New Model Year with a Longer CNG Range

- **Audi A3 Sportback g-tron available to order beginning on March 7**
- **Noticeable power boost thanks to new engine with 131 metric hp**
- **Tank concept enables pure CNG range (WLTP) of around 400 kilometers (248.5 miles)**

Ingolstadt, March 7, 2019 – The Audi A3 Sportback g-tron* is starting the new model year with a technology update. Thanks to its increased tank volume, the compact model can cover around 400 kilometers (248.5 miles) (WLTP cycle) in gas operation. Presales at dealerships in Germany will kick off on March 7. The basic price will be EUR 30,600.

The Audi A3 Sportback g-tron forms part of an integrated and sustainable mobility concept from the brand with the four rings. Equipped with a new 1.5 TFSI engine producing 96 kW (131 metric hp), the A3 Sportback g-tron sets standards for efficiency and economy. To enable the four-cylinder engine to run on these fuels, Audi engineers modified its cylinder head, turbocharging, fuel injection system and catalytic converter. Compared to gasoline, combustion of natural gas emits 25 percent less CO₂ due to the lowest carbon content of all hydrocarbons. In addition, particulate emissions remain very low.

Long range thanks to third gas tank

Just as before, there are two tanks made of glass fiber-reinforced polymer (GFRP/CFRP) beneath the luggage compartment floor of the five-door car, each of which hold roughly seven kilograms (15.4 lb) of gas. They reduce luggage space only marginally and are constructed from a composite material, making them very lightweight. In the new Audi A3 Sportback g-tron, an additional steel cylinder filled with four kilograms (8.8 lb) of CNG extends the range during gas operation. Reducing the size of the gasoline tank not only frees up the necessary space for this additional gas tank, it also makes the new Audi A3 Sportback g-tron a quasi-monovalent vehicle. Using the specific benefits and dimensions of each of the two tank technologies to its advantage, the intelligent combination of GFRP tanks and the gas tank makes optimum use of the existing installation space. The gasoline tank, which now holds nine liters (2.4 US gal), provides the conventional mobility reserve.

*The collective fuel consumption values of all models named and available on the German market can be found in the list provided at the end of this MediaInfo.



Strict safety requirements

The two plastic tanks storing the gas with an operating pressure of up to 200 bar follow the Audi lightweight design philosophy. Thanks to their layout, they weigh 66 percent less than comparable steel cylinders. Their inner layer is a gas-tight polyamide bladder.

The load-bearing fiber-reinforced laminate consists of an inner layer of carbon fiber-reinforced polymer (CFRP) and a layer of glass fiber-reinforced polymer (GFRP) on top. This combination ensures ultra-high strength. Using GFRP not only improves stability, the composite material is also a reliable visual indicator of damage. Following an application of force from the outside, for example in the event of an accident, the color of the layer changes to a milky-white. Before being installed in a car, each tank is subjected to a hydraulic test at 300 bar during production. The average burst pressure of 580 bar is far higher than this and exceeds the legal requirements of 470 bar by far.

Convenient operation

The filler necks for gas and gasoline are located under a shared tank flap. Two indicators inform the driver about the fill levels of the tanks. The driver information system shows the fuel consumption in the active operating mode.

The Audi A3 Sportback g-tron arrives at the customer equipped with a seven-speed S tronic. In Germany, the Audi A3 Sportback g-tron costs EUR 30,600 and is available to order beginning March 7.

– End –

Fuel consumption of the models listed

(Fuel consumption and CO₂ emission figures given in ranges depend on the equipment selected)

Audi A3 Sportback g-tron:

CNG consumption in kg/100 km: 3.5;

Combined CO₂ emissions in g/km (CNG): 96–95

Since September 1, 2017, the type approval for certain new vehicles has already been performed in accordance with the Worldwide Harmonized Light Vehicles Test Procedure (WLTP), a more realistic test procedure for measuring fuel consumption and carbon emissions. At the moment, it is still mandatory to communicate the NEDC values. In the case of new vehicles for which the type approval was performed according to WLTP, the NEDC values are derived from the WLTP values.

Further information on official fuel consumption figures and the official specific CO₂ emissions of new passenger cars can be found in the "Guide on the fuel economy, CO₂ emissions and power consumption of all new passenger car models," which is available free of charge at all sales dealerships and from DAT Deutsche Automobil Treuhand GmbH, Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen, Germany (www.dat.de).



The **Audi Group**, with its brands Audi, Ducati and Lamborghini, is one of the most successful manufacturers of automobiles and motorcycles in the premium segment. It is present in more than 100 markets worldwide and produces at 18 locations in 13 countries. 100 percent subsidiaries of AUDI AG include Audi Sport GmbH (Neckarsulm), Automobili Lamborghini S.p.A. (Sant'Agata Bolognese, Italy) and Ducati Motor Holding S.p.A. (Bologna, Italy).

In 2018, the Audi Group delivered to customers about 1.812 million automobiles of the Audi brand, 5,750 sports cars of the Lamborghini brand and 53,004 motorcycles of the Ducati brand. In the 2017 fiscal year, AUDI AG achieved total revenue of €60.1 billion and an operating profit of €5.1 billion. At present, approximately 90,000 people work for the company all over the world, more than 60,000 of them in Germany. Audi focuses on sustainable products and technologies for the future of mobility.