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Page 1 of 3

ŠKODA CITIGO^e iV: zero-emission range of up to 260 km

- › ŠKODA's first all-electric production vehicle in its 124-year history
- › 61-kW electric motor provides an excellent ecological footprint and the ability to pull away quickly
- › Lithium-ion battery can be charged to 80 per cent in just one hour

Mladá Boleslav, 25 November 2019 – The ŠKODA CITIGO^e iV is the first all-electric production vehicle in the Czech manufacturer's 124-year history. Featuring a 61-kW electric motor, the city speedster built in the Slovakian city of Bratislava provides zero-emission driving and is great fun thanks to the immediate delivery of its 212 Nm of maximum torque. The low centre of gravity that results from integrating the traction battery into the chassis floor contributes to the CITIGO^e iV's responsive handling too. The lithium-ion battery's 36.8-kWh capacity, of which 32.3 kWh is usable, allows for a real-life range of up to 260 km – enough to meet the demands of an urban environment.

The ŠKODA CITIGO^e iV's electric drive emitting zero emissions is provided by a synchronous motor that operates at a speed of up to 11,000 rpm. It generates a power output of 61 kW and has a maximum torque of 212 Nm, which is available straight away – as is typical for electric motors. A single-speed gearbox integrated into the motor transfers power to the front wheels. This reduces mechanical losses and offers a higher level of efficiency than a conventional transmission. An electromechanical brake booster, which allows brake force to be regulated more quickly and accurately, helps to ensure great braking values.

High-voltage traction battery built into the chassis

The ŠKODA CITIGO^e iV's lithium-ion battery has a capacity of 36.8 kWh, of which 32.3 kWh can be used. The 60-Ah battery consists of 168 cells and measures 1.1×1.7 m. With a height of just 30 cm, it is compactly integrated into the chassis floor beneath the seats and transmission tunnel. As a result, the CITIGO^e iV has a lower centre of gravity than CITIGOs fitted with a combustion engine, which has a positive effect on the city speedster's driving characteristics. Control electronics handle the interface between the high-voltage traction battery and the electric motor. They convert the battery's DC output into the alternating current used to power the motor and also regulate the transfer of torque in relation to the battery's level of charge, temperature and previous load.

Three different driving modes available

The ŠKODA CITIGO^e iV offers its driver the choice of three different driving modes. In Normal mode, drivers have access to the maximum power output of 61 kW and 212 Nm of torque. This means the short burst from 60 to 100 km/h takes 7.3 seconds, while the car can accomplish the sprint from 0 to 100 km/h in 12.3 seconds. The top speed is 130 km/h. In Eco mode, the electronics limit the output to 50 kW and 167 Nm of torque. The car is then able to accelerate from a standing start to 100 km/h in 14.3 seconds, and its top speed is 120 km/h. The performance of the air conditioning is also slightly adjusted in Eco mode. The ŠKODA CITIGO^e iV is at its most efficient when driving in Eco+ mode, which restricts the motor's output to 40 kW and 133 Nm of torque, providing a top speed of 95 km/h. The real-life range is up to 260 km; the air conditioning unit is disabled in Eco+ mode.



ŠKODA
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PRESS KIT

Page 2 of 3

Quick charging using CCS

In order to allow it to be charged as quickly as possible when needed, the CITIGO[®] iV also supports CCS (Combined Charging System) charging. Using the vehicle's CCS socket – as standard in the Style trim level, and as an option for Ambition variants – drivers can connect their car to a 40-kW public quick-charging station using a Mode 4 charging cable. In doing so, it takes no more than one hour to charge the battery from 0 to 80 per cent. The Mode 3 cable that comes as part of the CCS charging package for the CITIGO[®] iV on the other hand is suitable for use with AC wall boxes featuring a Type 2 socket. Using a 7.2-kWh wall box, a flat battery can be recharged to 80 per cent in 4 hours and 15 minutes. Using a Mode 2 cable – which is included with CITIGO[®] iV Ambition variants – and a standard charging socket, it is possible to charge the car overnight by plugging it into a conventional household plug socket with an AC output of 2.3 kW; charging to 80 per cent takes 12 hours and 43 minutes. Additionally, the ŠKODA CITIGO[®] iV can also recharge itself while driving by capturing energy released when braking and storing it directly in its battery. The amount of recuperation can be set to one of five levels.

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ŠKODA
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Page 3 of 3

ŠKODA AUTO

- › was founded during the pioneering days of the automobile in 1895, making it one of the longest-established car companies in the world.
- › currently offers its customers nine passenger-car series: the CITIGO, FABIA, RAPID, SCALA, OCTAVIA, KAROQ, KODIAQ, as well as the KAMIQ and the SUPERB.
- › delivered more than 1.25 million vehicles to customers around the world in 2018.
- › has been part of Volkswagen Group since 1991. Volkswagen Group is one of the most successful vehicle manufacturers in the world. In association with the Group, ŠKODA AUTO independently develops and manufactures vehicles, as well as components such as engines and transmissions.
- › operates at three locations in the Czech Republic; manufactures in China, Russia, Slovakia, Algeria and India mainly through Group partnerships, as well as in Ukraine and Kazakhstan with local partners.
- › employs over 39,000 people globally and is active in more than 100 markets.
- › is pressing ahead with the transformation from a traditional car manufacturer to the 'Simply Clever company for the best mobility solutions' as part of the ŠKODA 2025 Strategy.