



**ŠKODA**  
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## ŠKODA ENYAQ iV – Leading the field in terms of drag coefficient

- › The ENYAQ iV's outstanding wind resistance increases the effective range of ŠKODA's first all-electric SUV
- › Aerodynamic basic design, active roller blind shutter, front apron with air curtains and aerodynamic wheels reduce air resistance
- › Less air turbulence behind the vehicle thanks to aerodynamically optimised roof profile, specially shaped exterior mirrors and flat underbody with coordinating rear diffuser
- › Streamlined bodywork ensures a drag coefficient from  $C_d$  0.257

Mladá Boleslav, 24 February 2021 – The maximum range of the new ŠKODA ENYAQ iV is more than 520 kilometres\*. At the same time, the SUV benefits from outstanding aerodynamics in this vehicle class. Thanks to its streamlined body, the first all-electric ŠKODA model based on the Volkswagen Group's modular electrification toolkit (MEB) achieves an outstanding drag coefficient from  $C_d$  0.257. Besides an aerodynamically optimised body, this top value is achieved thanks to creative details such as special aero wheels, an active cooling roller blind in the central front air intake and specially shaped exterior mirrors positioned on the front doors rather than in the window triangle of the A-pillar.

The ŠKODA ENYAQ iV is the first series model from the Czech car manufacturer to be based on the Volkswagen Group's modular electrification toolkit (MEB). The all-electric SUV runs off the production line at ŠKODA's main plant in Mladá Boleslav, making it the only MEB model in Europe to be produced outside of Germany. The body is designed to be as emotive as it is aerodynamic. In combination with its efficient 150 kW electric motor, the ENYAQ iV 80 can travel more than 520 kilometres\* in the WLTP cycle on a fully charged battery.

### Active cooling roller blind controls the cooling air supply according to demand

At the front of the ENYAQ iV, there is an adjustable cooling roller blind in the central air intake. Depending on the cooling air requirements of the electric drive, the lithium-ion battery and the air conditioning system, the vehicle's electronic system opens the cooling roller blind only as far as necessary. If this shutter is completely closed, it has a particularly favourable effect on the ENYAQ iV's aerodynamics and the range increases by up to seven kilometres. The aerodynamically optimised lower part of the front bumper with uniquely shaped spoilers in front of the wheels directs the air under the vehicle where it flows along the smooth underbody panelling and the battery. Combined with the air curtains placed in the front bumper further accelerating the air, all these elements also guide the flow of air smoothly around the wheel arches towards the rear of the vehicle. Since the wheels alone account for around 25% of the air resistance, aerodynamically optimised alloy wheels are available for the ENYAQ iV, which ensures less air turbulence.

### Exterior mirrors, roof spoiler and rear diffuser reduce aerodynamic drag behind the vehicle

Turbulence behind the ŠKODA ENYAQ iV is also effectively reduced for a low drag coefficient. The elongated roof profile and roof spoiler with integrated side finlets increase the vehicle's downforce and, together with specific edges on the rear bumper, ensure smooth airflow around the body. The



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flat underbody reduces turbulence and enhances the airflow under the vehicle. In addition, the rear diffuser with an integrated spoiler lip interacts with the roof spoiler to balance the air turbulence behind the ENYAQ iV. The aerodynamically optimised exterior mirrors lowering drag and reducing wind noise, are designed to direct air towards the rear and reduce airflow around the vehicle. To bolster this effect, the mirrors are located on the front doors, rather than in the A-pillar window triangle, allowing air to flow around it.

\*preliminary data

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## Media images:



### ŠKODA ENYAQ iV – Leading the field in terms of drag coefficient

Depending on the cooling air requirements of the electric drive, the lithium-ion battery and the air conditioning system, the vehicle's electronic system opens the cooling roller blind only as far as necessary. If this shutter is completely closed, it also has a particularly favourable effect on the ENYAQ iV's aerodynamics and the range increases by up to seven kilometres.

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Source: ŠKODA AUTO



### ŠKODA ENYAQ iV – Leading the field in terms of drag coefficient

The aerodynamically optimised exterior mirrors, designed to direct air towards the rear, also reduce airflow around the vehicle. To improve this effect, the mirrors are located on the front doors, rather than in the A-pillar window triangle, allowing air to flow around it.

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## ŠKODA AUTO

- › is focusing on three priorities with its 'NEXT LEVEL ŠKODA' program for the future: expanding the model portfolio towards entry-level segments, exploring new markets for further growth in the volume segment and making tangible progress in sustainability and diversity.
- › currently offers its customers ten passenger-car series: the CITIGO® iV, FABIA, RAPID, SCALA, OCTAVIA and SUPERB as well as the KAMIQ, KAROQ, KODIAQ and ENYAQ iV.
- › delivered over one million vehicles to customers around the world in 2020.
- › has belonged to the Volkswagen Group for 30 years. The 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, engines and transmissions.
- › operates at three locations in the Czech Republic; manufactures in China, Russia, Slovakia and India mainly through Group partnerships, as well as in Ukraine with a local partner.
- › employs approximately 42,000 people globally and is active in more than 100 markets.