

Powertrains: Even more efficient TSI petrol engines from the latest evo2 generation

- › **State-of-the-art engines with outputs ranging from 70 kW (95 hp) to 110 kW (150 hp)**
- › **Increased output over a wider rev range for the more powerful 1.0 TSI unit**
- › **Upgraded software for smoother operation of the ACT+ active cylinder deactivation system, based on power demands**

Mladá Boleslav, 5 February 2024 – The Škoda Scala and Kamiq are available with three highly efficient, state-of-the-art TSI engines. All units are members of the latest evo2 engine generation. The top-of-the-range powertrain's ACT+ active cylinder deactivation system now operates even more smoothly than before, courtesy of further software advances.

Johannes Neft, Škoda Auto Board Member for Technical Development, says: “Škoda continues to systematically optimise its internal combustion engines. The power units for our Scala and Kamiq compact models are more efficient, more powerful and at the same time offer even more harmonious power delivery, for example due to newly designed injectors. Moreover, the extensive adjustments made to the hardware and software ensure that the engines also comply with the latest emissions regulations.”

Increased output for the more powerful of the two 1.0 TSI units

Just like the 1.5 TSI, the two new 1.0 TSI three-cylinder engines in the Škoda Scala and Kamiq now come from the EA211 engine family's evo2 generation. Advantages include variable control of the intake and exhaust valves, an injection pressure of up to 350 bar, the high-compression Miller combustion cycle and variable-geometry turbochargers (VGT). New features are ten-hole injectors for an even more homogeneous air-fuel mixture, as well as a new three-way catalytic converter with particulate filter. As the temperature resistance of the turbocharger has at the same time been increased to 980 °C, the optimum air-fuel ignition ratio is now available over a wider range of engine speeds. At 85 kW (115 hp), the more powerful 1.0 TSI delivers 4 kW (6 hp) more than its predecessor and makes this available 500 rpm sooner, and across a wider rev range. The maximum torque of 200 Nm is also available for an additional 500 rpm at the upper end of the rev range.

Latest 1.5 TSI with even more advanced ACT+ active cylinder deactivation system

The top-of-the-range 1.5 TSI engine benefits from improvements brought about by the new catalytic converter, which boasts improved efficiency and reaches its operating temperature more quickly. Moreover, it comes with upgraded software for the ACT+ active cylinder deactivation system. This makes the automatic deactivation and re-activation of two of the four cylinders based on power demands even smoother. The range of conditions under which the system is active has been extended as well, thanks to adjustments made to the intake and exhaust valve lift curve for the active cylinders (first and fourth cylinder).

The engine range at a glance:

Engine	Power [kW/hp]	Torque [Nm]	Transmission	Drive
1.0 TSI evo2	70/95	175	5-speed manual	FWD
1.0 TSI evo2	85/115	200	6-speed manual	FWD
1.0 TSI evo2	85/115	200	7-speed automatic	FWD
1.5 TSI evo2	110/150	250	6-speed manual	FWD
1.5 TSI evo2	110/150	250	7-speed automatic	FWD

Contact

Vítězslav Kodym

Head of Product Communications

+420 326 811 784

vitezslav.kodym@skoda-auto.cz

Jan Hrbek

Spokesperson Product Communications

+420 730 867 534

jan.hrbek@skoda-auto.cz

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- › aims to be one of the five best-selling brands in Europe by 2030 with an attractive line-up in the entry-level segments and additional e-models.
- › effectively leverages existing potential in important growth markets such as India, North Africa, Vietnam and the ASEAN region.
- › currently offers its customers eleven passenger-car series: the Fabia, Scala, Octavia and Superb as well as the Kamiq, Karoq, Kodiaq, Enyaq, Enyaq Coupé, Slavia and Kushaq.
- › delivered over 866,000 vehicles to customers around the world in 2023.
- › has been a member of the Volkswagen Group for 30 years. The Volkswagen Group is one of the most successful vehicle manufacturers in the world.
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- › operates at three sites in the Czech Republic; has additional production capacity in China, Slovakia and India primarily through Group partnerships, as well as in Ukraine with a local partner.
- › employs over 40,000 people globally and is active in around 100 markets.