



ŠKODA
SIMPLY CLEVER

PRESS KIT

Page 1 of 4

Engines: wide range of power outputs and lower fuel consumption

- › Low fuel consumption and optional 50-litre tank allow for a range of more than 900 km
- › Five MPI and TSI petrol engines provide power outputs ranging from 48 kW (65 PS) to 110 kW (150 PS)
- › Options include lowered sports chassis and Rough-Road package with more ground clearance

Mladá Boleslav, 16 August 2021 – There is a choice of five advanced and efficient EVO-generation petrol engines for this latest, mark IV FABIA. ŠKODA has not only increased the number of different engines available, but also the range of power outputs – from 48 kW (65 PS) to 110 kW (150 PS). For the first time, the FABIA can be equipped with a larger, 50-litre fuel tank, allowing four of the five engines to cover more than 900 km in the WLTP cycle. A 15-mm-lower sports chassis with stiffer suspension is another option as is the Rough-Road package that offers 15 mm more ground clearance.

All engines offered for the new FABIA come from the EVO generation. They are even more economical than the predecessor units and fulfil the Euro 6d emissions standard. The new range-topping engine is the 1.5 TSI with an output of 110 kW (150 PS) and a 7-speed DSG as standard. Up to a power output of 70 kW (95 PS), the FABIA comes with a 5-speed manual gearbox; for the 1.0 TSI producing 81 kW (110 PS), there is a choice between a 6-speed manual gearbox and a 7-speed DSG. When fitted with the 50-litre tank – a new option for the range – instead of the standard 40-litre fuel tank, four of the five engines can achieve a maximum mileage of more than 900 km.

MPI engines developed by ŠKODA AUTO are more powerful while requiring less fuel

ŠKODA AUTO is responsible for the development of all MPI engines used by the Volkswagen Group brands. The FABIA's three-cylinder MPI engines with a displacement of one litre come from the EVO generation and are 4 kW more powerful than the predecessor units while achieving reduced fuel consumption and lower emissions. These improvements were made possible by an optimised crankshaft assembly – pistons and piston rings included – which reduces friction losses. The water circuit around the cylinder head and engine block has been redesigned to achieve greater cooling efficiency for the cylinders, combustion chambers and integrated exhaust manifold. The MPI engines fitted in the new FABIA operate according to the Atkinson combustion cycle, in which the intake valves close only during the compression stroke of the piston. This drives some of the fuel mixture back into the intake manifold, which reduces the effective compression ratio while maintaining a high expansion ratio of 12:1. As a result, the engine consumes less fuel and is therefore more efficient.

Innovative plasma coating on 1.0 TSI engines

The two direct-injection 1.0 TSI engines available for the new FABIA feature plasma-coated cylinder liners. The innovative, thin, powder-coated layer measures just 150 µm (0.15 mm) and replaces cast-iron cylinder liners, reducing internal friction in the three cylinders. This lowers fuel consumption and emissions. Through better distribution and dissipation of heat in the combustion chamber, it also lowers the thermal load on the engine. The engines operate in the fuel-efficient



ŠKODA
SIMPLY CLEVER

PRESS KIT

Page 2 of 4

Miller cycle and with a high injection pressure of 350 bar. In the Miller cycle, the intake valves remain open for longer during the compression stroke, which reduces pumping loss and improves thermal efficiency. The turbocharger features variable turbine geometry, which produces more torque at a wider range of engine speeds and lower emissions.

Active cylinder technology for the new top-of-the-range 1.5 TSI engine

The FABIA's new top-end engine is the four-cylinder 1.5 TSI with a power output of 110 kW (150 PS). In addition to the plasma-coated cylinders and high injection pressure of 350 bar, it also features active cylinder technology (ACT). When engine load is low, this system automatically – and virtually without the driver noticing – shuts down two cylinders, thereby reducing fuel consumption and CO₂ emissions.

Engines and transmissions developed and produced by ŠKODA AUTO in the Czech Republic

Most of the engines and all of the gearboxes for the new ŠKODA FABIA are produced in the Czech Republic. The MPI engines and the 1.0 TSI are built at ŠKODA's main plant in Mladá Boleslav, as are the manual transmissions. The 7-speed DSG comes from the ŠKODA plant in Vrchlabí. The TSI engines have a petrol particulate filter.

Sports chassis and Rough-Road package optional

In addition to the standard chassis, there are another two variants to choose from for the new FABIA. The sports chassis comes with firmer springs and has been lowered by 15 mm for more dynamic driving characteristics. The Rough-Road package also features its own specific springs and a different suspension, as well as additional underbody guards. Overall, this variant's ground clearance has been raised by 15 mm.



ŠKODA
SIMPLY CLEVER

PRESS KIT

Page 3 of 4

Engines available for the new ŠKODA FABIA at a glance:

| Engine | Cylinders | Max. power output | | Max. torque [Nm] | Transmission | Max. speed [km/h] | | Acceleration 0–100 km/h [s] | | Combined consumption WLTP [litres/100 km] | | CO ₂ emissions WLTP [g/km] | |
|-------------|-----------|-------------------|------|------------------|--------------|-------------------|-----|-----------------------------|-----|---|-----|---------------------------------------|-----------------|
| | | [kW] | [PS] | | | | | | | | | | |
| 1.0 MPI EVO | 3 | 48 | 65 | 93 | 5-speed M | 172* | | 15.9* | | 5.0* | | 114–124* | |
| 1.0 MPI EVO | 3 | 59 | 80 | 93 | 5-speed M | 179 | | 15.5 | | 5.0 | | 114–124 | |
| 1.0 TSI EVO | 3 | 70 | 95 | 175 | 5-speed M | 195 | | 10.6 | | 5.0 | | 113–126 | |
| 1.0 TSI EVO | 3 | 81 | 110 | 200 | 6-speed M | 205 | 205 | 9.7 | 9.6 | 4.9 | 5.4 | 113 – 127 | 124 – 136 |
| 1.5 TSI EVO | 4 | 110 | 150 | 250 | 7-speed DSG | 225* | | 8.0* | | 5.6* | | 128–142* | |

* preliminary data

Further information:

Christian Heubner
Head of Product Communications
T +420 730 862 420
christian.heubner@skoda-auto.cz

Martin Preusker
Spokesperson – Product Communications
T +420 604 292 190
martin.preusker2@skoda-auto.cz

ŠKODA Media Room

skoda-storyboard.com

Download the ŠKODA Media Room app



Follow us at <https://twitter.com/skodaautonews> for the latest updates. Find out all about the latest-generation ŠKODA FABIA with [#SkodaFabia](https://twitter.com/skodaautonews).



ŠKODA
SIMPLY CLEVER

PRESS KIT

Page 4 of 4

ŠKODA AUTO

- › is successfully steering through the new decade with the NEXT LEVEL – ŠKODA STRATEGY 2030.
- › 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.
- › is emerging as the leading European brand in India, Russia and North Africa.
- › currently offers its customers ten passenger-car series: the FABIA, RAPID, SCALA, OCTAVIA and SUPERB as well as the KAMIQ, KAROQ, KODIAQ, ENYAQ iV and KUSHAQ.
- › delivered over one million vehicles to customers around the world in 2020.
- › 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.
- › independently manufactures and develops not only vehicles but also components such as engines and transmissions in association with the Group.
- › operates at three sites in the Czech Republic; manufactures in China, Russia, Slovakia and India primarily through Group partnerships, as well as in Ukraine with a local partner.
- › employs more than 43,000 people globally and is active in over 100 markets.