

Fendt e100 Vario: The battery-powered compact tractor

Main results / outcomes

Fendt e100 Vario is a practical, small battery-powered tractor which can be used for 4-5h on an average duty cycle. With the unique technology of the Fendt e100 Vario, the user protects the environment and wildlife by producing zero emissions. Thanks to the electric drive, the Fendt e100 Vario is ideal for working in enclosed spaces, as there are no exhaust fumes or sparks creating hazard of fire.

Practical recommendations

Fendt e100 Vario allows the use of conventional implements. A short-term boost of up to 150 kW for the implements can be provided by the battery. A standard PTO connection is available, as well as the normal hydraulic supply to implements and ISOBus. Therefore, Fendt e100 Vario can be used with existing equipment with no additional caveats enabling a seamless integration in today's operation. Precise and dynamic control is enabled thanks to the electrical drive. The maximum torque for the ground drive and PTO drive is supplied from a standing start. The CCS Type 2 connector is allowing for a quick and easy recharge both at public and private charge points. Safety is guaranteed by an insulated design and continuous, electronic system monitoring. Fendt e100 Vario is low-maintenance, energy-efficient, quiet and emissions-free. Regardless of whether it is used in a stable or greenhouses, on a farm, in the forest, or by municipalities in their daily activities, the flexible concept brings benefits.



Figure 1. Fendt e100 Vario (Copyright AGCO GmbH)

Further information

[Fendt e100Vario Info](#)

About this abstract

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AgroFossilFree is a H2020 multi-actor project that will evaluate the current status in EU agriculture regarding energy use and assess existing needs, allowing farmers to optimize agricultural production through more efficient energy use and reduced GHG emissions, resulting in economic, agronomic and environmental benefits. AgroFossilFree will create a framework under which critical stakeholders will cooperate to evaluate and promote the currently available Fossil-Energy-Free Technologies and Strategies (FEFTS) in EU agriculture. The project is running from October 2020 to September 2023.

Website: www.agrofossilfree.eu



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