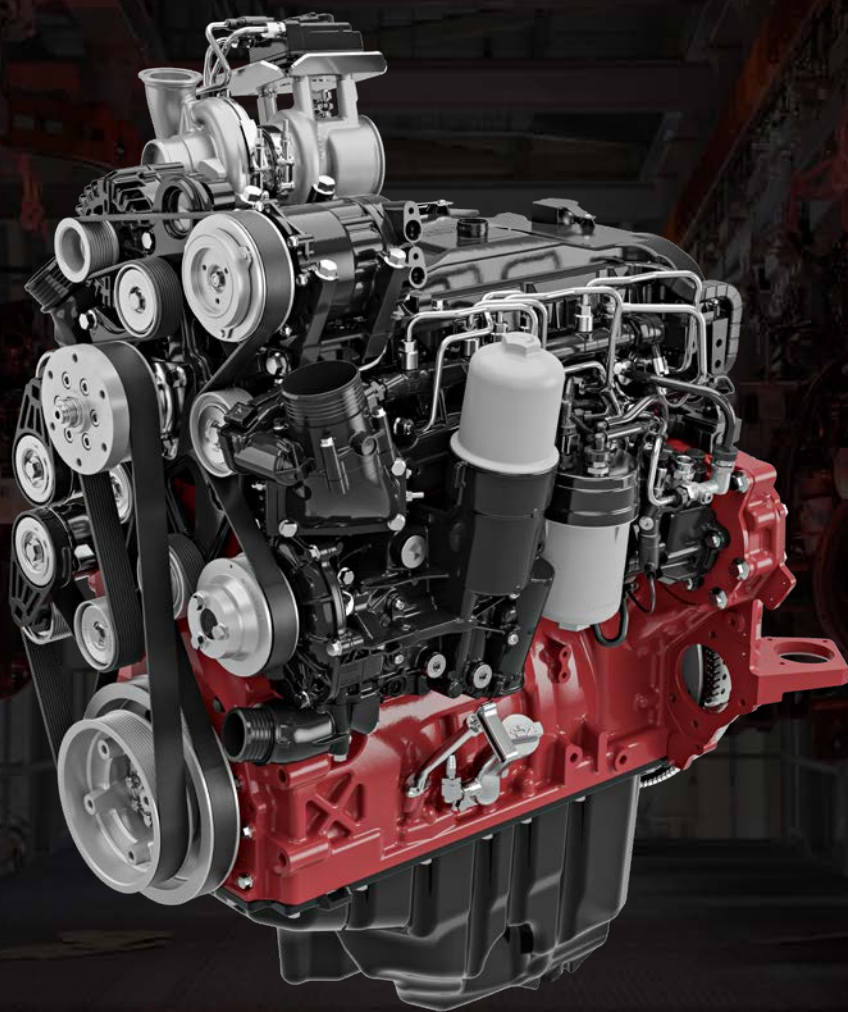




AGCO Power **CORE**



CORE50

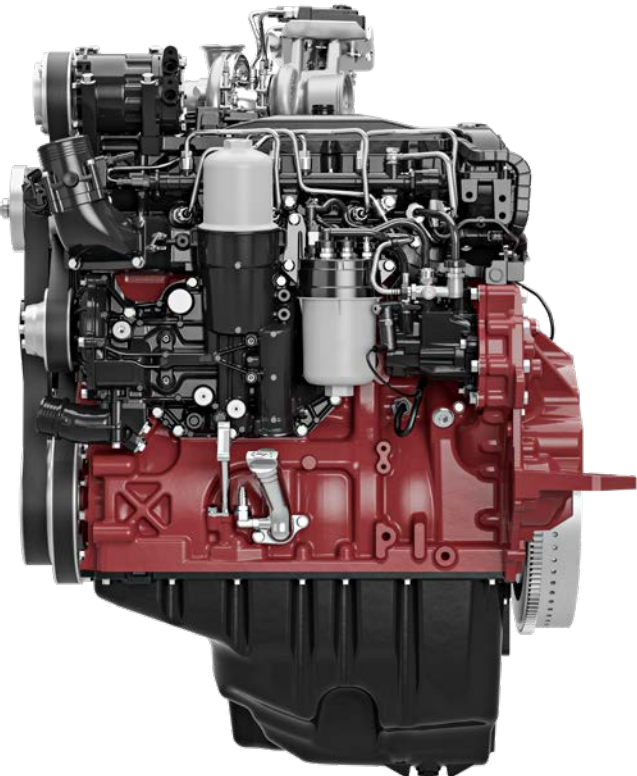
EU Stage V / US Tier 4F
compliant engine.





The **CORE50** engine is the power source exclusively for the Fendt 600 Vario series tractor.

AGCO Power CORE is an exceptional diesel engine family with its excellent fuel economy and a streamlined design that enables higher quality with fewer parts. Rigorously tested and crafted, AGCO Power CORE family is a reliable source of low-emission power. AGCO Power CORE is also a flexible platform designed with alternative fuels in mind, making the basic structure viable for future engine variants as well. AGCO Power CORE is ready to power the tomorrow.



AGCO Power CORE50

AGCO Power CORE50 is an all-new 165 kW (221 hp) 5,0-liter diesel unit with excellent torque, fuel economy and reliability. Optimized for today's off-road use, its features ensure versatile power – such as excellent torque in low RPM, responsive dynamics and an advanced emission control system.

Ready for the future, the AGCO Power CORE is the most advanced diesel engine platform on the market today.

Power for the changing work

High response with superior torque

A wide range of useful torque (up to 950 Nm) with excellent dynamics makes the AGCO Power CORE50 engine extremely responsive.

AGCO Power CORE50 has a torque of 950 Nm, one of the highest in its power class*.

Excellent fuel economy

The CORE50 engine has excellent fuel efficiency (190 g / kWh), ensuring that you get the more done with less fuel. This is achieved through excellent mechanical design and CO₂/NO_x optimized combustion, resulting in a low cost of ownership.

Robust and reliable structure

AGCO Power CORE50 has been designed from the ground up to be extremely robust – a simplified, EGR-free structure with less moving parts makes the engine more reliable and easier to service.

Designed for economical ownership

AGCO Power CORE50 is made for economical long-term use. It has excellent fuel efficiency, while the superb engine integration and fewer parts enable long engine lifetime and lower maintenance costs.

Sustainable power

AGCO Power CORE50 meets the most stringent emission standards and the platform is prepared to fulfill future emission requirements. Fuel efficiency, long engine lifetime and HVO compatibility (up to 95% less GHG emissions) guarantee sustainable performance without compromise. Today and tomorrow.

* ≤ 165 kW (221 hp)



Technical information

Technical data CORE50

Emission level EU Stage V / US Tier 4 Final

Number of cylinders 4

Bore / stroke 110 mm / 132 mm

Displacement 5,0 l

Rated speed 1900 RPM

Max.power 165 kW (221 hp)

at speeds 1900 RPM

Max.torque 950 Nm

at speeds 1400-1600 RPM

Turbocharger technology eWastegate

EAT technology DOC + DPF + SCR (without EGR)

SFC (best point) 190 g / kWh

Dimensions

Length (A) 923 mm (36,3in)

Width (B) 685 mm (27,0in)

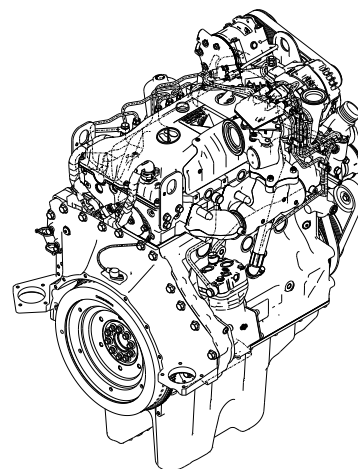
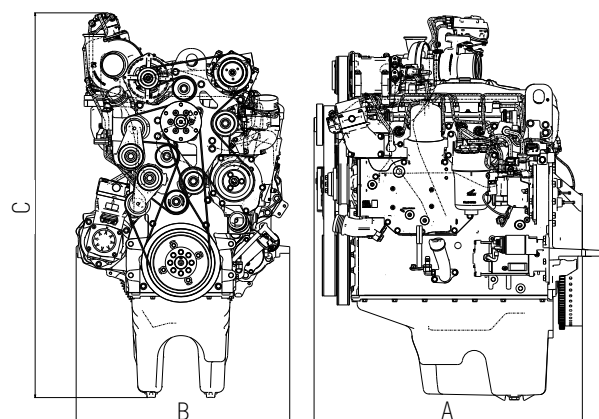
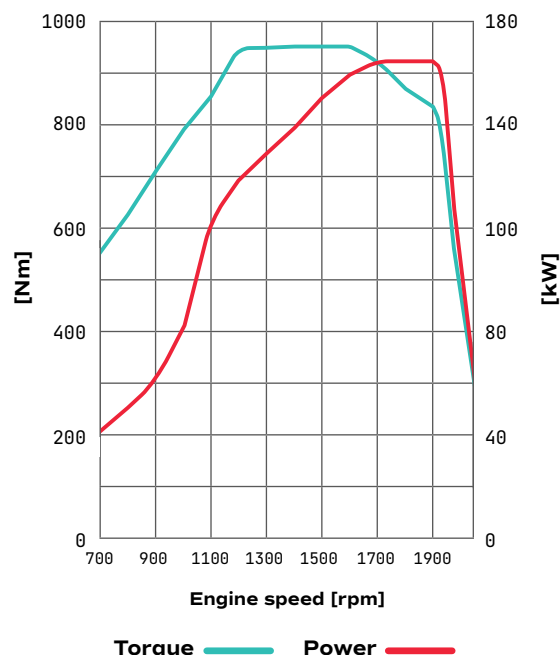
Height (C) 1210 mm (47,6in)

Information on different performance options available upon request

The heritage of reliable power

Since its founding in 1942 in Finland, AGCO Power has designed and manufactured engines that are known for their performance and reliability in demanding use. Today AGCO Power manufactures engines globally in four factories across the globe in Finland, China, Brazil and Argentina. AGCO Power offers powertrain solutions for off-road machinery, marine applications as well as backup power generation. Building on the heritage of reliable power, AGCO Power engines combine the tradition of precision engineering with the most modern engine and emission control technology.

AGCO Power is a subsidiary of US-based machinery manufacturer AGCO Corporation with its headquarters in Duluth, Georgia, USA.



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