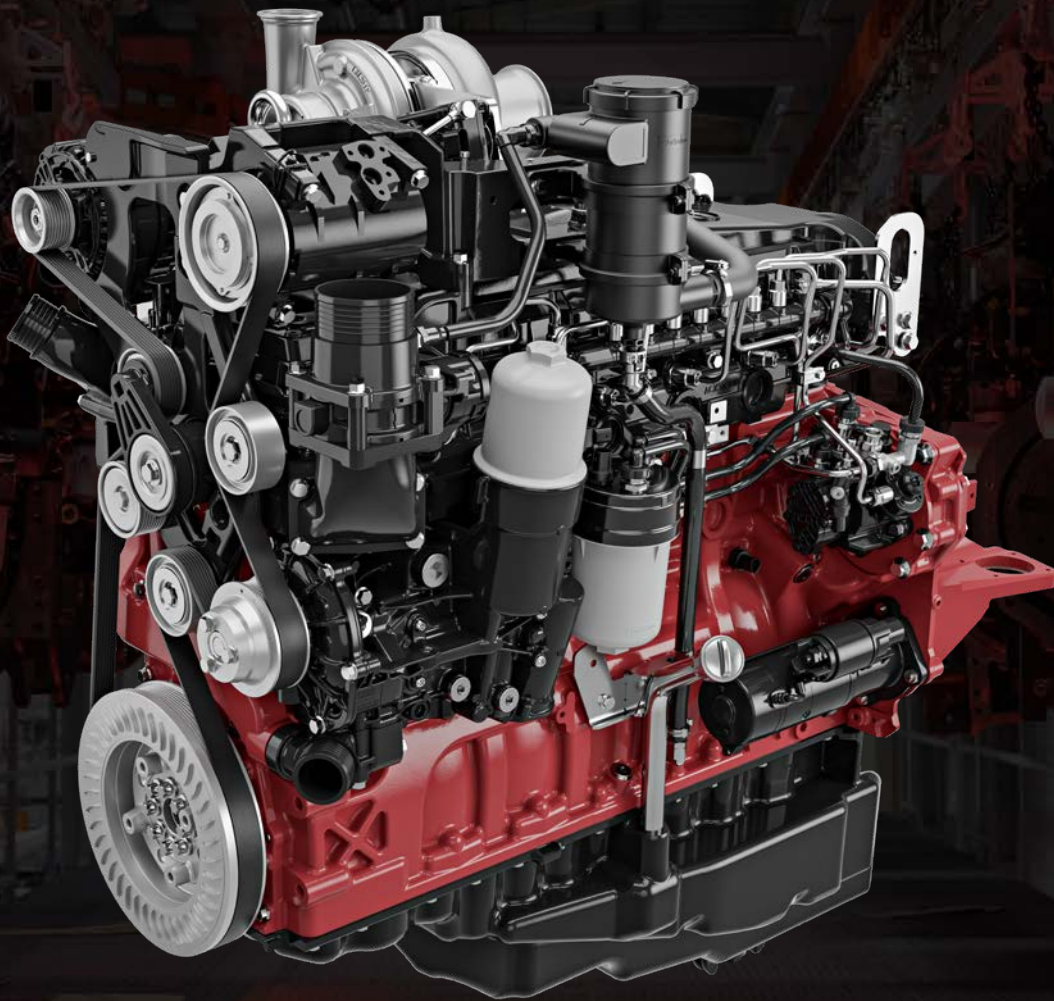




AGCO Power **CORE**



CORE80

EU Stage V / US Tier 4F
compliant diesel engine.



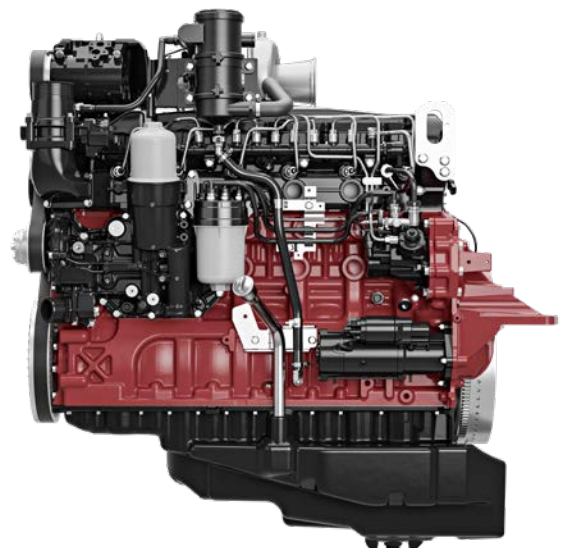


Times change. Power remains.

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 for all off-road applications in the 99-252 kW range. It 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 CORE80

The biggest of the CORE family, the six-cylinder, 8-liter CORE80 offers responsive dynamics with its 252 kW of power and 1680 Nm of torque. It offers you smart, sustainable and future-proof performance.



Smart power for versatile work

High response with superior torque

A wide range of useful torque with excellent dynamics makes the engine extremely responsive. AGCO Power CORE80 has a torque of 1680 Nm available in a useful range of 1200-1400 rpm.

VGT for improved braking power and fuel economy

AGCO Power CORE80 features a Variable Geometry Turbocharger (VGT) that enables a braking performance of 90 kW and an excellent fuel economy.

Robust and reliable structure

AGCO Power CORE80 has been designed from the ground up to be extremely robust while having 25% fewer parts. It is also EGR-free, making the engine more reliable and easier to service.

Wireless engine monitoring

AGCO Power CORE80 features over-the-air (OTA) connection to its engine control unit, enabling remote diagnostics, effortless monitoring and simpler updates. This improves reliability and makes fleet management easier.

Sustainable power

AGCO Power CORE80 meets the most stringent emission standards and the platform is prepared to fulfill future emission requirements. Fuel efficiency, long engine lifetime and HVO (up to 90% less GHG emissions) compatibility guarantee sustainable performance without compromise. Today and tomorrow.



Technical information

Technical data CORE80

Emission level	EU StageV / US T4F
Number of cylinders	6
Bore / stroke	110 mm / 139 mm
Displacement	8,0 l
Rated speed	1700 RPM
Max.power	252 kW / 338 HP
at speeds	1500-1700 RPM
Max.torque	1680 Nm
at speeds	1200-1400 RPM
Turbocharger technology	Variable Geometry Turbocharger
EAT technology	DOC + DPF + SCR & EGR-free

Dimensions

Length (A)	1206 mm
Width (B)	707 mm
Height (C)	1230 mm

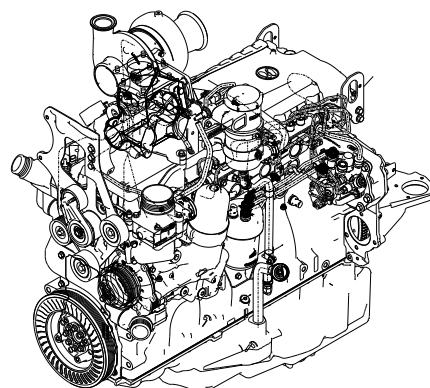
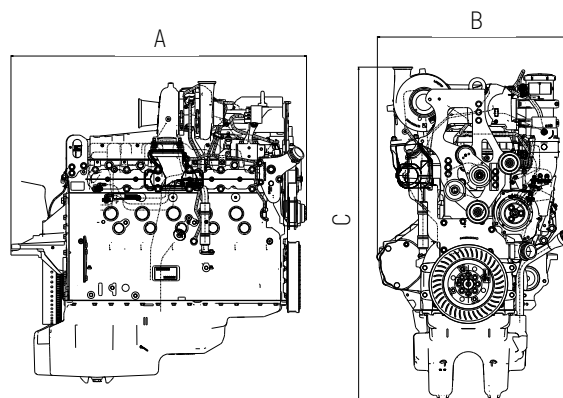
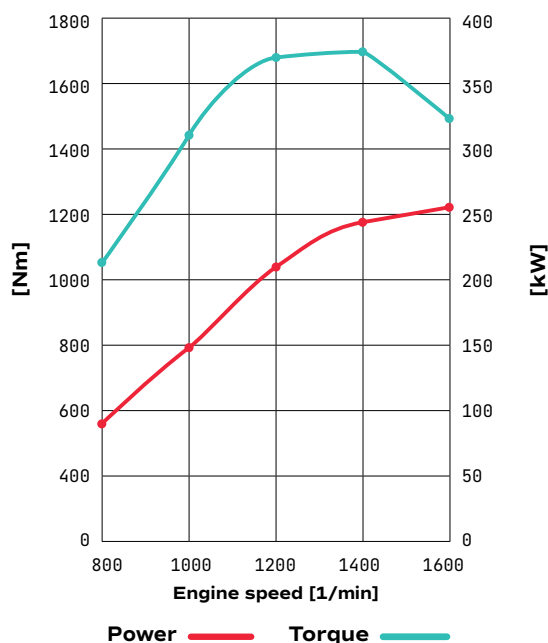
Information on different performance options available upon request

The heritage of reliable power

Founded in 1942 as an aviation engine repair workshop, the AGCO Power factory in Linnavuori, Finland produced its first own diesel engine designs already in 1946. Since then, the AGCO Power engine hallmarks have been long-lived basic constructions, wide spare part interchangeability and extreme reliability.

Today, AGCO Power has personnel of over a 1000 with factories in four different countries, producing some 30 000 engines every year for off-road machinery, generators and marine use as well as transmission components and auxiliary power units. 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.

Power curves may be subject to change.



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