



# 3rd Generation Series 4-Cylinder Diesel Engine

AGCO SISU POWER's four cylinder 3rd Generation series engines are designed for demanding off-road machinery applications. Robust construction, durability, reliability and strong torque are the hallmarks of AGCO SISU POWER engines. An improved combustion process is the result of continuous research and development.

## Enhanced performance, reduced noise

Increased power density and torque level with good fuel economy are achieved with these engines. Plus, they fulfill the European and U.S. Stage 3A / Tier III emission requirements. Combustion noise reduction has also been achieved through pilot injection. Mechanical noise is reduced through a new timing gear.

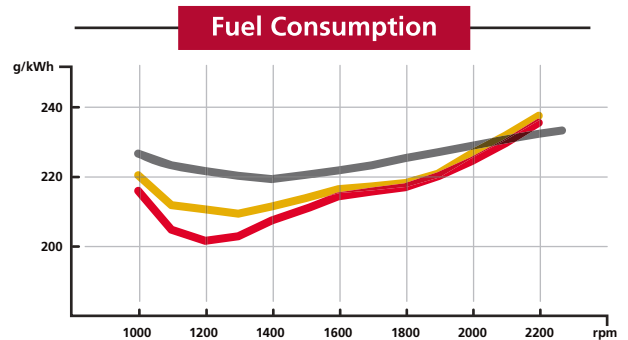
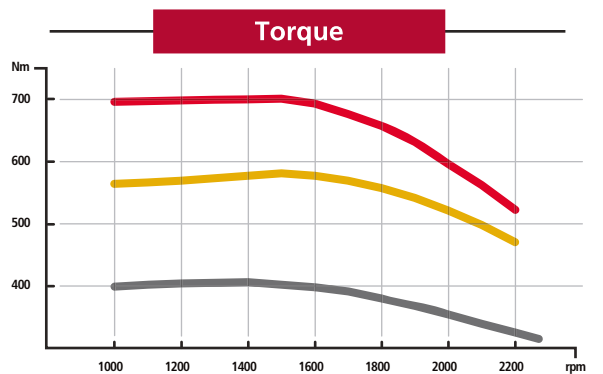
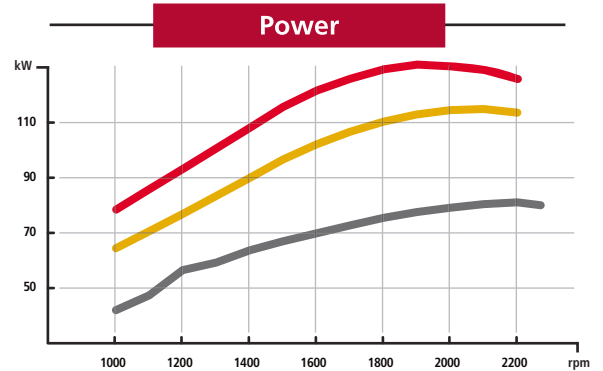
## Fuel injection system

In engines higher than 75kW, a Common Rail fuel injection system, with software and components from Robert Bosch GmbH, allows substantially higher injection pressures than conventional, mechanical systems. Customized program design and CAN bus communication software have been developed by AGCO SISU POWER. Engines below 75 kW feature the reliable Bosch VE series injection pump with mechanical governor. All engines are based on the same robust engine design.

## Electronic engine control system, SisuTronic EEM3

3rd Generation series Common Rail engines feature the SisuTronic EEM3, a 3rd generation electronics control system based on years of development and experience. This system phases injections up to five stages during one combustion process.

AGCO SISU POWER  
3rd Generation Series  
engines have durability,  
robust construction,  
and reliability.



44 DTA — 44 CWA — 49 CWA

All curves are examples of existing customer applications

ISO 14396

**No Compromises**

Increased Power Reduced Emissions Improved Fuel Economy



ENGINE TYPE	44 DTA	44 CWA	49 CWA
Rated power (kw)	65 - 74	84 - 117	110 - 129
Nominal speed (rpm)	2270	2200	2200
Rated torque (Nm)	335 - 420	500 - 650	620 - 750
At speed (rpm)	1400	1500	1500
Number of cylinders	4	4	4
Displacement (Litres)	4,4	4,4	4,9
Cylinder bore (mm)	108	108	108
Stroke (mm)	120	120	134
Rotation direction (seen from flywheel end)	CCW	CCW	CCW
Aspiration	Turbocharged and charged air cooled		
Type of intercooler	Air to air	Air to air	Air to air
Emission certification	EU Stage 3 A / EPA Tier3		
Injection system	Rotary mech.	Common Rail	Common Rail

ENGINE TYPE	Dimensions mm			Dry Weight kg
	A	B	C	
44 DTA, 44 CWA, 49 CWA	902	620	887	390

