

DEUTZ TCD 3.6

For agricultural machinery

69.5–100 kW | 93–134 hp at 2000–2200 min⁻¹/rpm | EU Stage IV / US EPA Tier 4

The DEUTZ TCD 3.6 is the compact, water-cooled 4-cylinder inline engine for agricultural machinery with a power range from 93 to 134 hp. It complies with the requirement of the EU Stage IV and the US EPA Tier 4. The engine is turbocharged, charge-air cooled and has cooled external exhaust gas recirculation.

DISCOVER THE TCD 3.6

- Newly-designed, water-cooled 4-cylinder inline engine with turbo charging and cooled external exhaust gas return and charge air cooling.
- Use of DVERT[®] oxidation catalytic converter (DOC) and selective catalytic reduction (SCR) enables maintenance-free operation under all application and ambient conditions.
- The DVERT[®] diesel particle filter technology is optionally applicable. Using the diesel particle filter, the engines meet the EU Stage IV Emissions standard.
- The engines have a modular exhaust gas aftertreatment system (EAT).
- The powerful DEUTZ Common Rail injection system and the electronic engine control (EMR4) with intelligent link to the drive management ensure optimum engine performance at low fuel consumption.
- The extremely compact engine design and customer friendly accessories reduce the installation cost and increase the number of applications.
- 100% power take-off at flywheel and front end, and additionally up to two PTO drives with a total torque of up to 130 Nm for the installation of up to two hydraulic pumps
- 500h oil change intervals and a maintenance-free valve train result in low maintenance cost and increased machine availability.
- Best cold starting performance even under extreme conditions.
- The engines meet the requirements of the EU Stage IV. A variant without EAT is available as an option for less regulated markets.



TECHNICAL DATA

Engine type		TCD 3.6 L4
No. of cylinders		4
Bore/stroke	mm in	98/120 3.9/4.7
Displacement	l cu in	3.6 221
Max. nominal speed	min ⁻¹ rpm	2200

Engine type		TCD 3.6 L4
Power output as per ISO 14396 ¹⁾	kW hp	100 134
at speed	min ⁻¹ rpm	2200
Max. power	kW hp	100 134
at speed	min ⁻¹ rpm	2000
Max. torque	Nm lb/ft	500 369
at speed	min ⁻¹ rpm	1600
minimum idling speed	min ⁻¹ rpm	800
Specific fuel consumption ²⁾	g/kWh lb/hph	214 0.35
Weight	kg lb	477 1052

* Based on the proposal by the EU Commission COM (2014) 581 final from 25.09.2014.

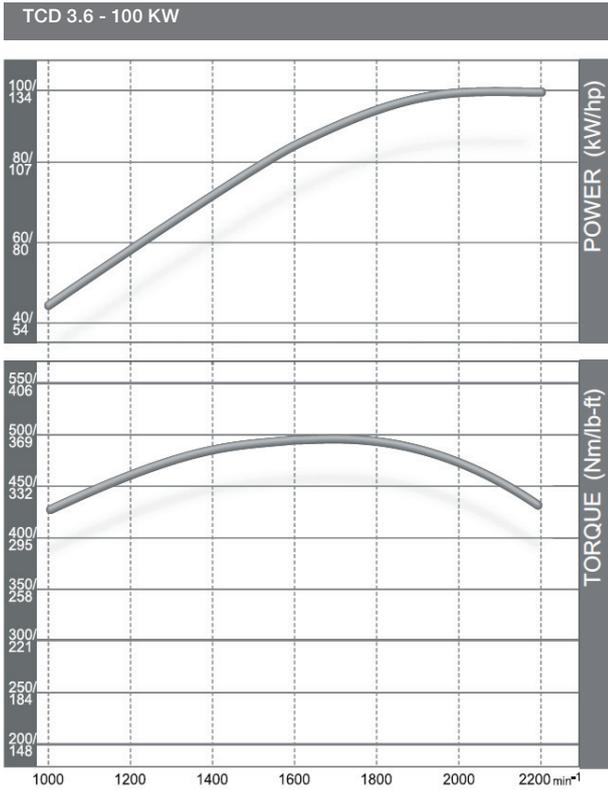
1) Power data without deduction of fan power.

2) Best point consumption refers to diesel with a density of 0.835 kg/dm³ at 15°C.

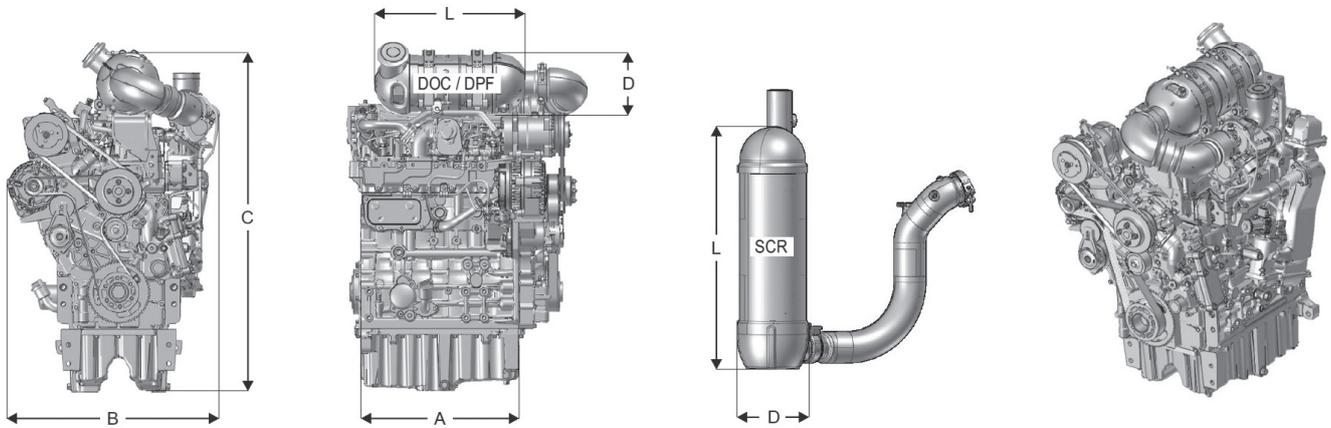
The engine company.



TORQUE CURVES



DIMENSIONS



	A	B	C	DOC/DPF		SCR		DVERT®-AGN DOC		
				D	L	D	L	DOC	DPF	SCR
TCD 3.6 L4 EU Stufe IV / Tier 4	mm in	480 18.9	647 25.5	1066 42.0	192 7.6	514 20.2	214 8.4	636 25.0	■	■

■ Standard

The open DVERT® exhaust aftertreatment system (EAT) does not satisfy the regulations of certain markets that have specified additional limit values for the number of particles (e.g. Switzerland).

Note: The engine dimensions and weights vary depending on the scope of delivery

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