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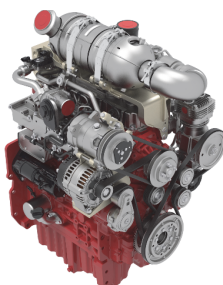
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TCD 3.6

STAGE
ready **V**

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

- 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 V Emissions standard expected to take effect from 2020.*
- The engines have an modular exhaust gas aftertreatment system (EAT).



- The powerful DEUTZ Common Rail injection system and the electronic engine control (EMR 4) with intelligent link to the drive management ensure optimum engine performance at low fuel consumption.
- Best cold starting performance even under extreme conditions.

- 500 h oil change intervals and a maintenance-free valve train result in low maintenance costs and increased machine availability.
- The extremely compact engine design and customer friendly accessories reduce the installation costs 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
- The engines meet the requirements of the EU Stage IV and US EPA Tier 4. 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	3.62 221
Max. nominal speed	min ⁻¹ rpm	2200
Engine type		
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.
The series availability is based on the actual introduction date of emission stage V.

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.

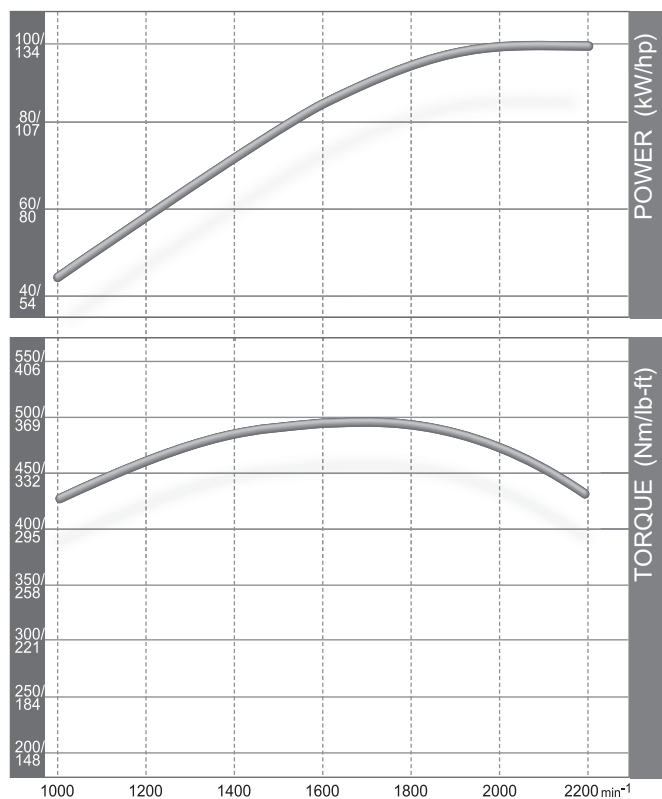
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

The engine company.

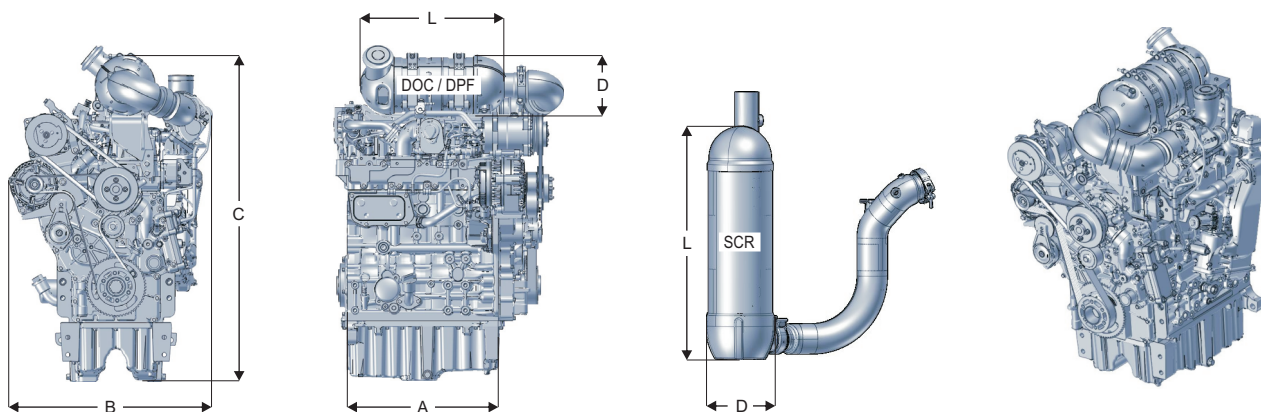


Torque curve

TCD 3.6 L4 - 100 kW|134 hp



Dimensions



				DOC/DPF		SCR		DVERT® EAT		
	A	B	C	D	L	D	L	DOC	DPF	SCR
TCD 3.6 L4 EU Stage IV/ US EPA 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	■	■
TCD 3.6 L4 EU Stage V*	mm in	480 18.9	647 25.5	1066 42.0	199 7.8	613 24.1	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.

For more information please contact the DEUTZ AG Köln or the responsible sales partner.

