

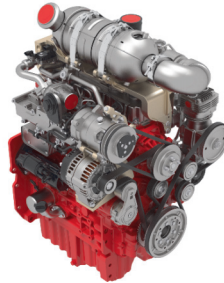
TCD 3.6

For agricultural machinery

52.5 - 100 kW | 70-134 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 engines come with a modular exhaust aftertreatment system (EAT) configuration including the option of engine mounted systems. This simplifies machine integration for the OEM considerably and virtually means a drop-in solution.



- 500 h oil change intervals and a maintenance-free valve train result in low maintenance costs and increased machine availability.
- 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.
- 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 <56kW with DVERT[®] oxidation catalytic converter. Additionally for EU Stage IV / US Tier 4 >56kW with SCR. 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		TCD 3.6 L4	
Power output as per ISO 14396 ¹⁾	kW hp	52.5 70	100 134
at speed	min ⁻¹ rpm	2200	2200
Max. power	kW hp	55.4 74	100 134
at speed	min ⁻¹ rpm	2000	2000
Max. torque	Nm lb/ft	390 288	500 369
at speed	min ⁻¹ rpm	1300	1600
Minimum idling speed	min ⁻¹ rpm	800	800
Specific fuel consumption ²⁾	g/kWh lb/hph	208 0.34	207 0.34
Weight	kg lb	440 970	440 970

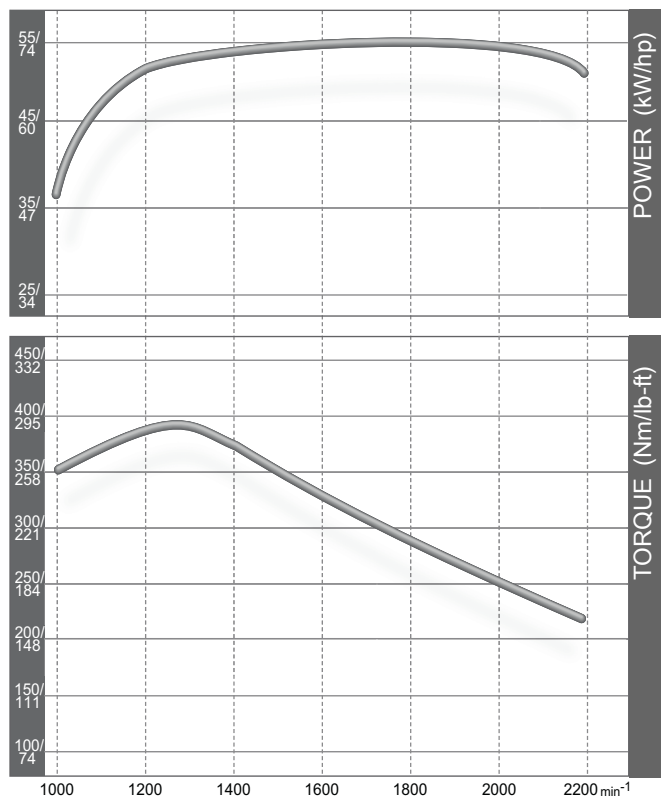
1) Power data without deduction of fan power.

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

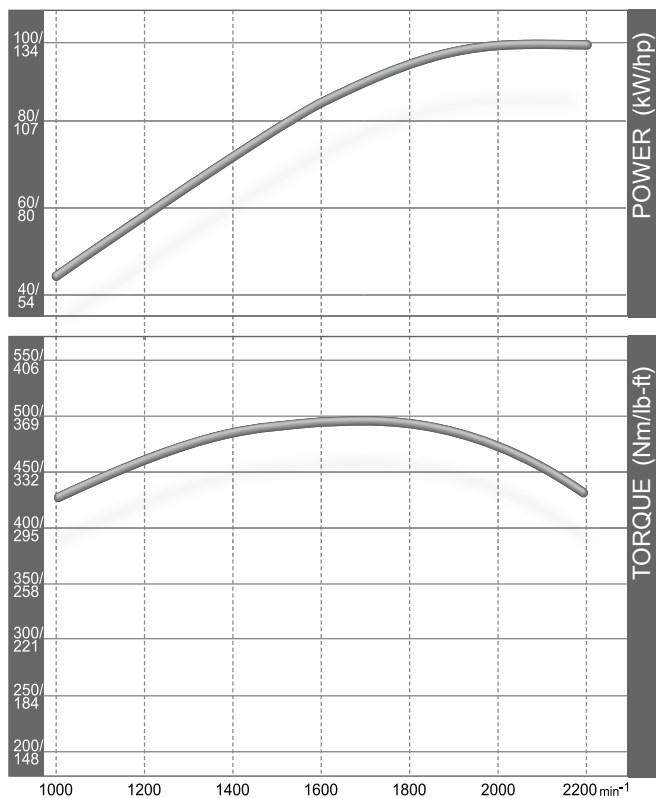
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

Torque curve

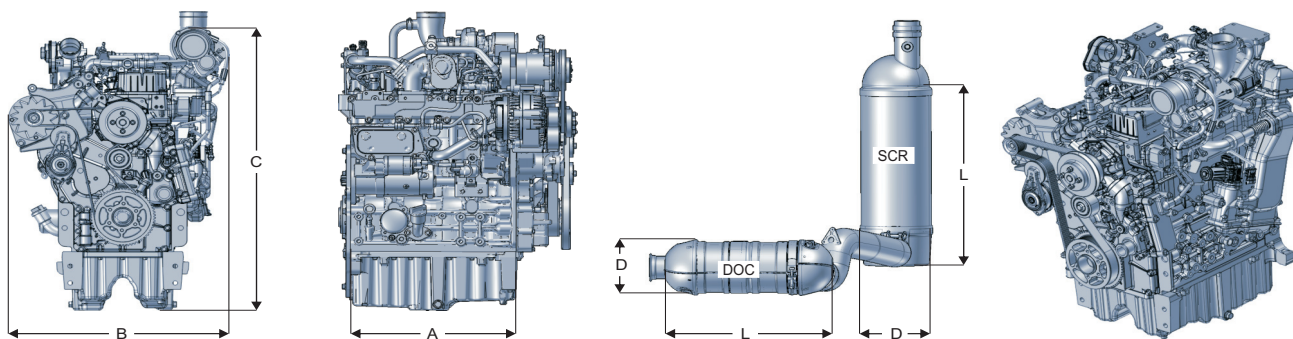
TCD 3.6 L4 - 52.5 kW|70 hp



TCD 3.6 L4 - 100 kW|134 hp



Dimensions



		DOC			SCR		DVERT® EAT	
		A	B	C	D	L	DOC	SCR
TCD 3.6 L4 < 56 kW	mm in	480 18.9	647 25.5	930 36.6	192 7.6	460 18.1	- -	-
TCD 3.6 L4 > 56 kW	mm in	480 18.9	647 25.5	930 36.6	192 7.6	460 18.1	214 8.4	668 26.3

■ 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.

