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TCD 2.9

STAGE
ready V

For agricultural machinery
45 - 55.4 kW|60 - 74 hp at 2200 min⁻¹|rpm
EU Stage IIIB / US EPA Tier 4

- Newly-designed, water-cooled 4-cylinder inline engine with cooled, external exhaust gas return with turbocharging and optionally with and without charge air cooling.
- Use of DVERT® oxidation catalytic converter (DOC) 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).
- Best cold starting performance even under extreme conditions.



- The powerful Common Rail injection system and highly-efficient combustion process with cooled external exhaust gas recirculation ensure optimum engine performance at low fuel consumption and exhaust emissions.

- 100% power take-off at flywheel and front end and additional side PTO drive with up to 120 Nm for the mounting of up to two hydraulic pumps.
- 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.
- The engines meet the requirements of the EU Stage IIIB and US EPA Tier 4 interim with DVERT® oxidation catalytic converter. A variant without EAT is available as an option for less regulated markets.

Technical data

Engine type		TD 2.9 L4	TCD 2.9 L4
No. of cylinders		4	4
Bore/stroke	mm in	92/110 3.6/4.3	92/110 3.6/4.3
Displacement	l cu in	2.9 177	2.9 177
Max. nominal speed	min ⁻¹ rpm	2200	2200

Engine type		TD 2.9 L4	TCD 2.9 L4
Power output as per ISO 14396 ¹⁾	kW hp	54 72	55.4 74
at speed	min ⁻¹ rpm	2200	2200
Max. torque	Nm lb/ft	260 192	300 221
at speed	min ⁻¹ rpm	1600	1600
Minimum idling speed	min ⁻¹ rpm	900	900
Specific fuel consumption ²⁾	g/kWh lb/hph	233 0.38	216 0.36
Weight	kg lb	340 750	340 750

* 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.

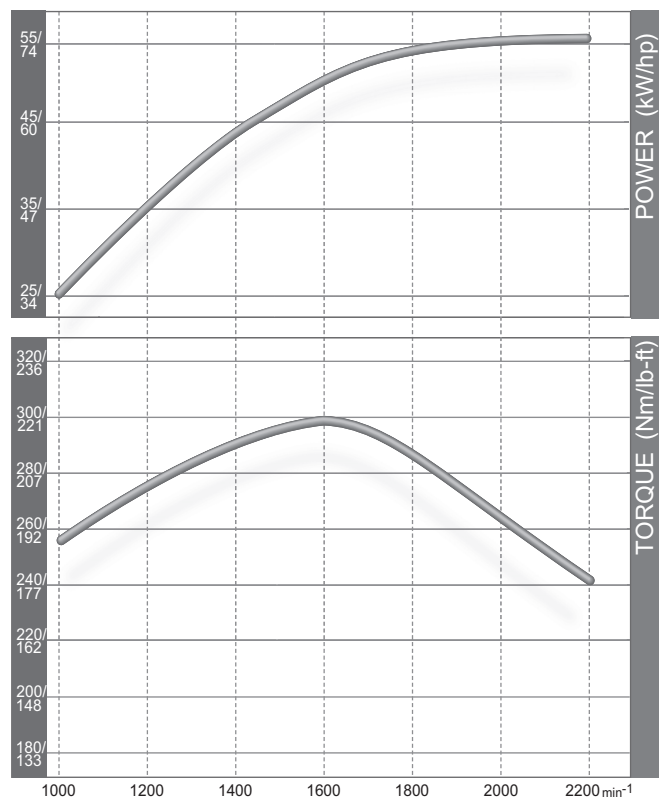
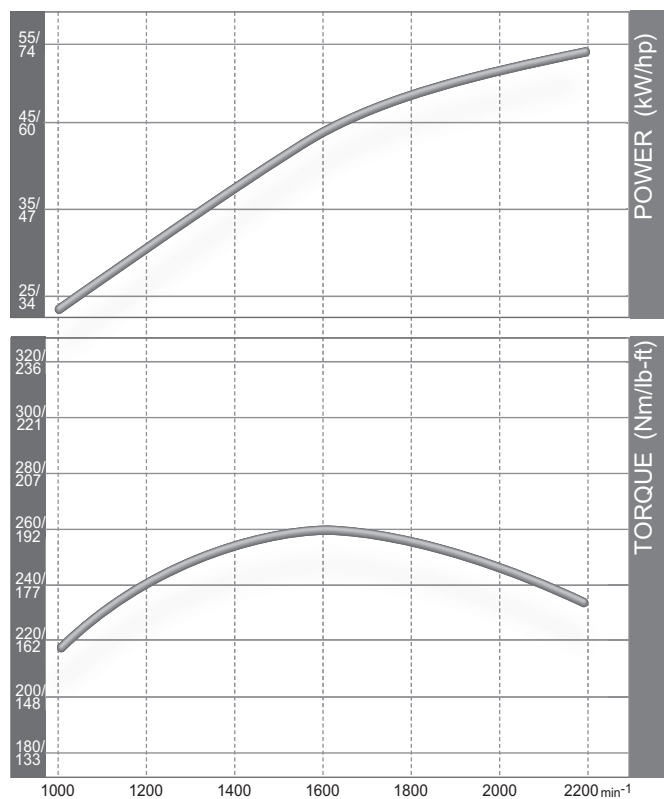
The engine company.



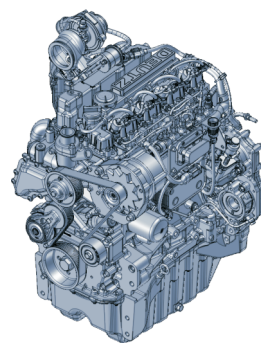
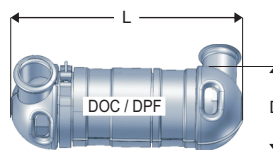
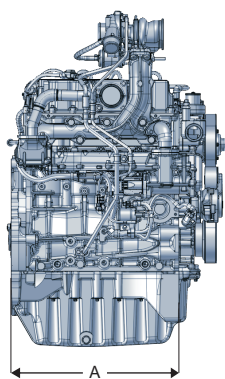
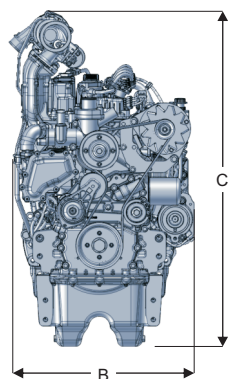
Torque curve

TD 2.9 L4 - 54 kW|72 hp

TCD 2.9 L4 - 55.4 kW|74 hp



Dimensions



			A	B	C	D	L	DVERT® EAT	
								DOC	DPF
TD 2.9 L4	EU Stage IIIB/ US EPA Tier 4	mm in	478 18.8	522 20.6	952 37.5	190 7.5	523 20.6	■	
TCD 2.9 L4	EU Stage IIIB/ US EPA Tier 4	mm in	478 18.8	522 20.6	952 37.5	190 7.5	380 15.0	■	
TD 2.9 L4	EU Stage V*	mm in	478 18.8	522 20.6	952 37.5	199 7.8	613 24.1		■
TCD 2.9 L4	EU Stage V*	mm in	478 18.8	522 20.6	952 37.5	199 7.8	613 24.1		■

■ 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.

