

# TCD 2.9

STAGE  
**ready** V

For agricultural machinery  
45 - 55.4 kW|60 - 74 hp at 2200 min<sup>-1</sup>|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<sup>®</sup> 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.



- 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<sup>®</sup> oxidation catalytic converter. A variant without EAT is available as an option for less regulated markets.
- 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.

## 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 <sup>-1</sup>   rpm	2200	2200

Engine type		TD 2.9 L4	TCD 2.9 L4
Power output as per ISO 14396 <sup>1)</sup>	kW   hp	54   72	55.4   74
at speed	min <sup>-1</sup>   rpm	2200	2200
Max. torque	Nm   lb/ft	260   192	300   221
at speed	min <sup>-1</sup>   rpm	1600	1600
Minimum idling speed	min <sup>-1</sup>   rpm	900	900
Specific fuel consumption <sup>2)</sup>	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/dm<sup>3</sup> at 15°C.

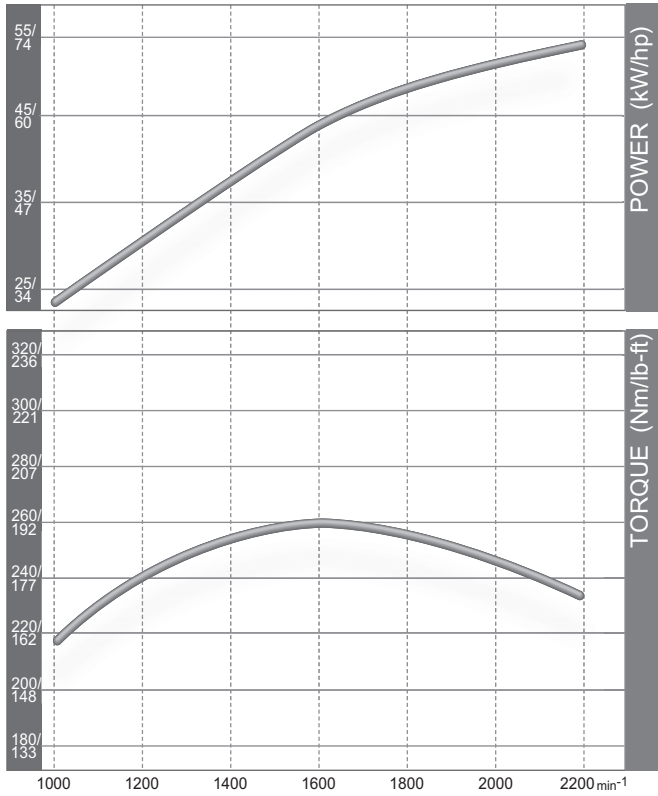
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

The engine company.

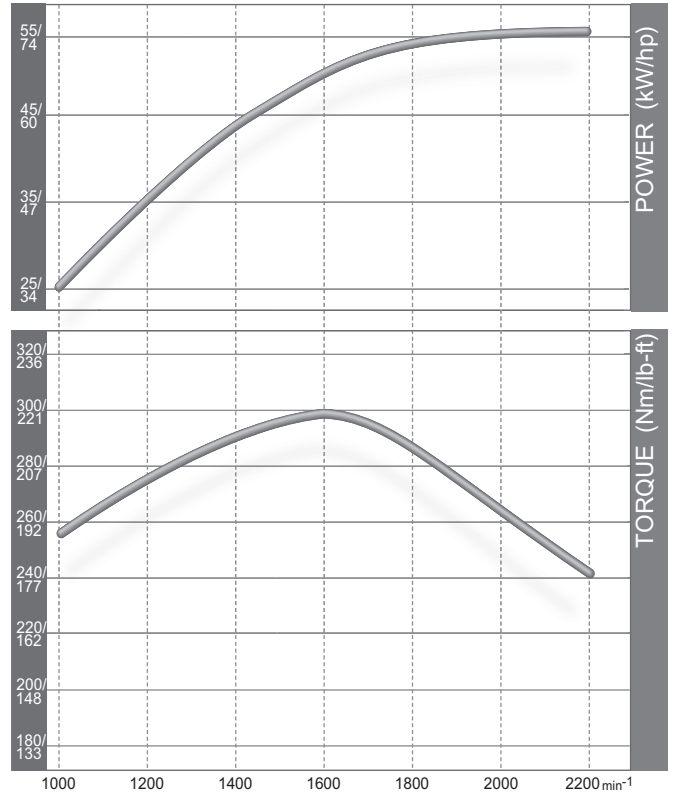


## Torque curve

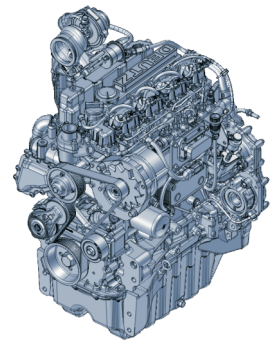
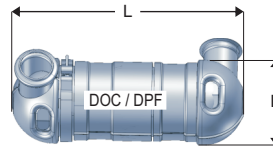
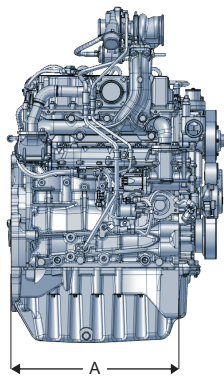
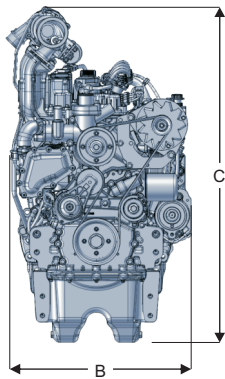
TD 2.9 L4 - 54 kW|72 hp



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.

