

# DEUTZ TCD 3.6

For agricultural machinery

69.5 – 105 kW | 93 – 141 hp at 2000 – 2200 min<sup>-1</sup> | rpm | EU Stage V / US EPA Tier 4



The DEUTZ TCD 3.6 is a compact, water-cooled 4-cylinder inline engine for agricultural machinery with a power range from 69.5 to 105 kW. It already complies with the EU Stage V and the US EPA Tier 4 exhaust emission requirements. 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, cooled external exhaust gas return and charge-air cooling.
- Use of DVERT<sup>®</sup> oxidation catalytic converter (DOC) and selective catalytic reduction (SCR) enables maintenance-free operation under all application and ambient conditions.
- The DVERT<sup>®</sup> diesel particle filter technology is optionally applicable. Using the diesel particle filter the engine meets the EU Stage V emissions standard.
- The engine has 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, two additional PTO drives with a total torque up to 130 Nm for the installation of 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 engine meets the Stage V and the US EPA Tier 4 exhaust emission requirements. 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 <sup>-1</sup>   rpm	2200

ENGINE TYPE	TCD 3.6 L4	
Power output as per ISO 14396 <sup>1)</sup>	kW   hp	100   134
at speed	min <sup>-1</sup>   rpm	2200
Max. power	kW   hp	100   134
at speed	min <sup>-1</sup>   rpm	2000
Max. torque	Nm   lb/ft	500   369
at speed	min <sup>-1</sup>   rpm	1600
minimum idling speed	min <sup>-1</sup>   rpm	800
Specific fuel consumption <sup>2)</sup>	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.

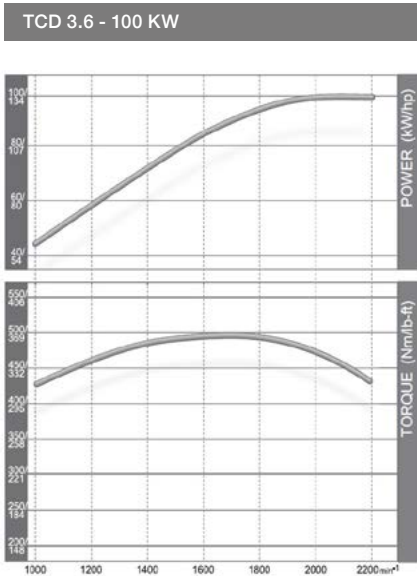
<sup>1)</sup> Power data without deduction of fan power.

<sup>2)</sup> Best point consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C.

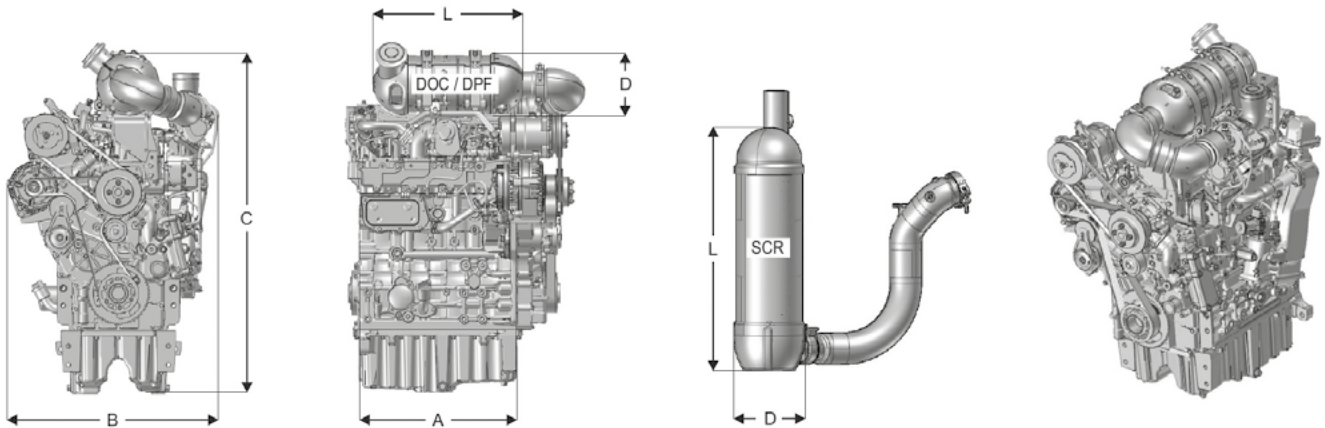
The engine company.



**TORQUE CURVES**



**DIMENSIONS**



	mm   in	A		B		C		DOC/DPF		SCR		DVERT®-AGN DOC		
		D	L	D	L	D	L	D	L	DOC	DPF	SCR		
TCD 3.6 L4 EU Stage V / US EPA Tier 4		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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