



**FIT TO
PERFORM.**



DEUTZ TCD 3.9/4.0

Technical Data Sheet

DEUTZ TCD 3.9/4.0

Versatile, powerful, and easy to integrate.

The DEUTZ TCD 3.9/4.0 combines **outstanding performance with a compact and future-proof design**. The water-cooled 4-cylinder in-line engine with turbocharger can be flexibly configured and adapted perfectly to the requirements of a wide range of applications.

POWERFUL

FIT FOR YOUR APPLICATION

More power than a 4.1-liter engine in the compact size of a 3.6-liter model: The TCD 3.9/4.0 offers a wide power range with two variants (75–110 kW & 110–130 kW). It also delivers high efficiency and performance in continuous operation under full load – perfectly suited for many applications.

MODULAR

FIT FOR YOUR INSTALLATION

Thanks to its flexible configurability, the TCD 3.9/4.0 can be optimally integrated into modern machine concepts. From the variable engine design to the compact power pack with integrated cooling and exhaust gas aftertreatment, everything has been tested, is ready for installation, and is designed for maximum reliability with minimum effort.

RELIABLE

FIT FOR DAILY USE

Developed in Germany and manufactured to the highest quality standards, the TCD 3.9/4.0 stands for reliability and durability – day after day. Long oil change intervals (up to 1000 hours) and maintenance-free valves and belt drive reduce operating costs and increase availability. Global DEUTZ service and worldwide spare parts supply ensure maximum availability.

QUIETLY

FIT FOR MAXIMUM COMFORT

Consistent NVH optimizations ensure quiet operation and a noticeably more pleasant working environment—for greater comfort during operation and use, even under demanding conditions.



LOW EMISSION

FIT FOR THE FUTURE

Certified to EU Stage V and US Tier 4 with DVERT®, selective catalytic reduction (SCR), and diesel particulate filter (DPF). The low-emission engine platform can also be easily extended to other fuels (ReFuels, H₂, etc.) and is suitable for HVO operation.

COMPACT

FIT FOR SIMPLE COOLING

The TCD3.9/4.0 is designed without exhaust gas recirculation (EGR), which simplifies the engine architecture. Low maintenance and low cooling requirements reduce peripheral engine costs and ensure more reliable engine performance.

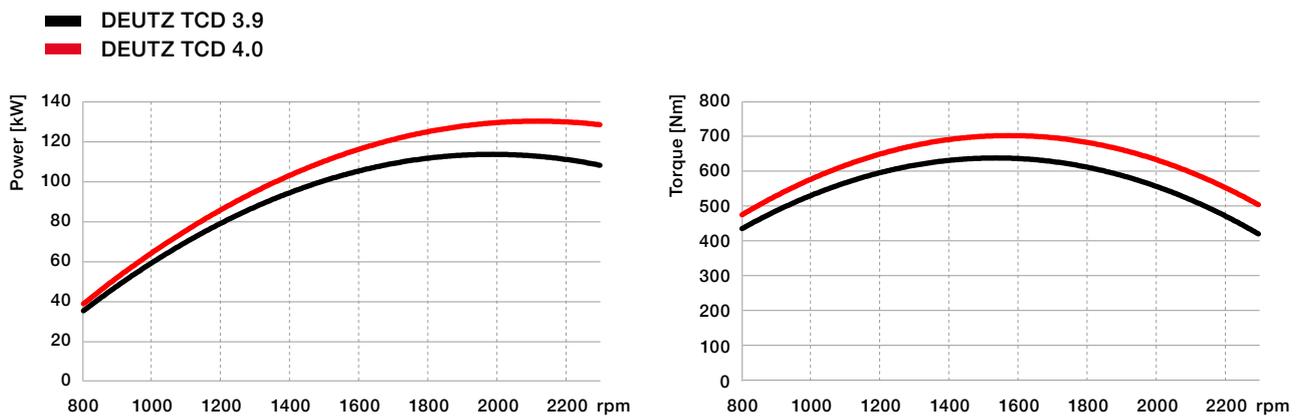
AT A GLANCE

- Water-cooled 4-cylinder in-line engine with turbocharger
- Compact size and wide power range from 75 to 130 kW
- Modular, wide range of applications thanks to numerous options
- Complies with EU Stage V/US EPA Tier 4 requirements with DVERT®
- Also available without EAT for Stage IIIA/less regulated markets

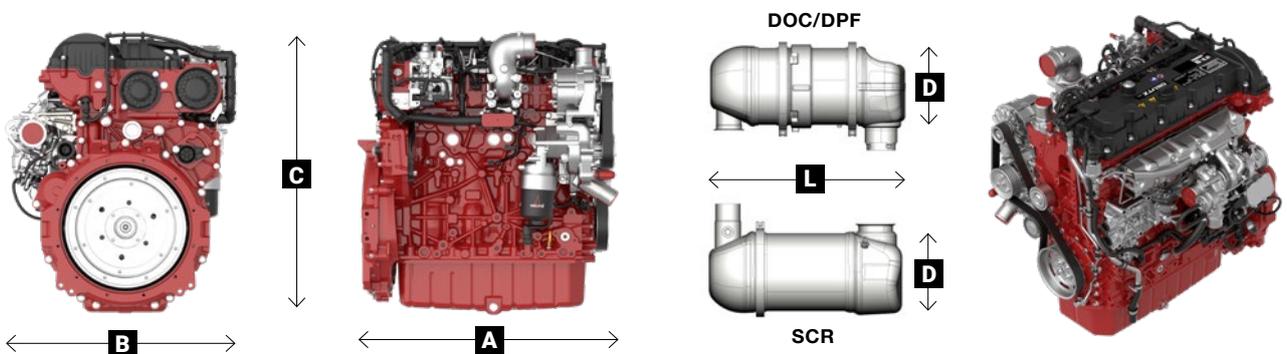
TECHNICAL DATA

ENGINE TYPE	DEUTZ TCD 3.9	DEUTZ TCD 4.0
No. of Cylinders	4	4
Displacement (l)	3.94	3.94
Max. Nominal speed (min ⁻¹)	2300	2300
Aspiration	Turbocharger with charge air cooler	Turbocharger with charge air cooler
Power Output acc. ISO 14396 (kW)	75–110	110–129,4
At Speed (min ⁻¹)	2300	2300
Max. Torque (Nm)	642	700
At Speed (min ⁻¹)	1300–1600	1300–1600
Min. Idling Speed (min ⁻¹)	800	800
Weight (DIN 70020 Part 7A) (kg)	450	450

POWER / TORQUE CURVES



DIMENSIONS



ENGINE TYPE	— DOC/DPF —				— SCR —			DOC/DPF	SCR
	A	B	C	D	L	D	L		
TCD 3.9 (mm)	751	672	843	277	611	277	593	● ■	● ■
TCD 4.0 (mm)	751	672	843	277	611	277	593	● ■	● ■

■ Standard for US Tier 4
● Standard for EU Stage V



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