

# TCD 4.1/6.1

For mobile machinery

80 - 180 kW | 108 - 241 hp at 1800 - 2300 min<sup>-1</sup> | rpm  
EU Stage IV / US EPA Tier 4

- Water-cooled 4 or 6-cylinder inline engines with turbocharging, charge air cooling and cooled external exhaust gas recirculation.
- Engine and exhaust aftertreatment (EAT) are optimised for highest total system efficiency and thus ensure minimised fuel and total operating costs.
- Consistent installation and connection dimensions of the engine facilitate the changeover of existing installations to the next stage of the emission legislation.
- The engines have a modular exhaust aftertreatment system (EAT) with components from the DVERT® kit and optional configuration variants. This means a high flexibility in machine integration for the OEM.



- The powerful DEUTZ Common Rail (DCR®) 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.

- Long oil change intervals and easy changing of the engine fluids reduce the running costs and increase the availability of the machinery.
- 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 three PTO drives with a total torque of up to 315 Nm.
- The engines meet the requirements of the EU Stage IIIB and US EPA Tier 4 interim with DVERT® particulate filter (DPF). Additionally for EU Stage IV / US Tier 4 with SCR. A variant without EAT is available as an option for less regulated markets.

## Technical data

Engine type	TCD 4.1 L4	TCD 6.1 L6
No. of cylinders	4	6
Bore/stroke	mm   in	101/126   4.0/5.0
Displacement	l   cu in	4.1   250
Max. nominal speed	min <sup>-1</sup>   rpm	2300

Power output	TCD 4.1 L4	TCD 6.1 L6
Power output as per ISO 14396 <sup>1)</sup>	kW   hp	115   154
at speed	min <sup>-1</sup>   rpm	2300
Max. torque	Nm   lb/ft	610   450
at speed	min <sup>-1</sup>   rpm	1600
Minimum idling speed	min <sup>-1</sup>   rpm	600
Specific fuel consumption <sup>2)</sup>	g/kWh   lb/hph	208   0.34
Weight as per DIN 70020 Part 7A <sup>3)</sup>	kg   lb	400   882

1) Power data without deduction of fan power.

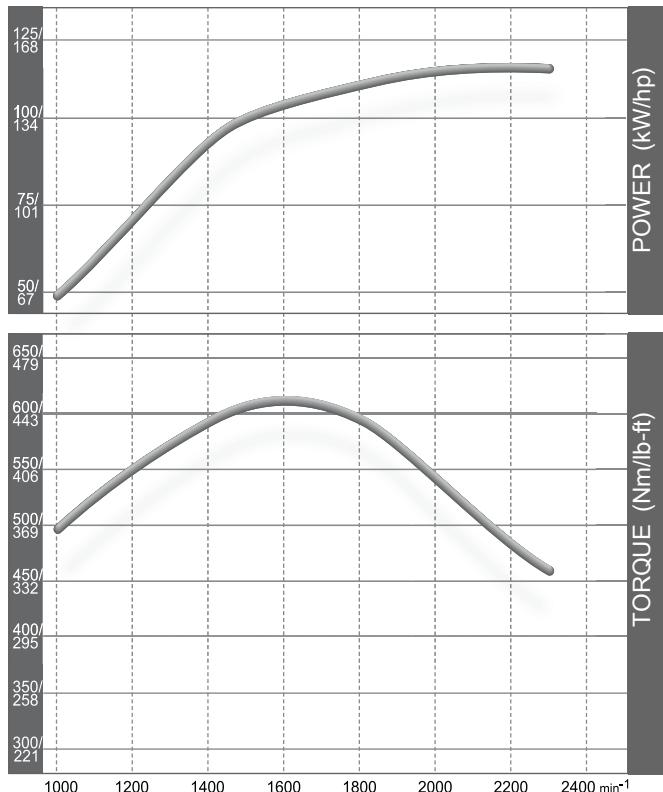
2) Best point consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C.

3) Without starter/alternator, cooler and fluids but with flywheel and flywheel housing.

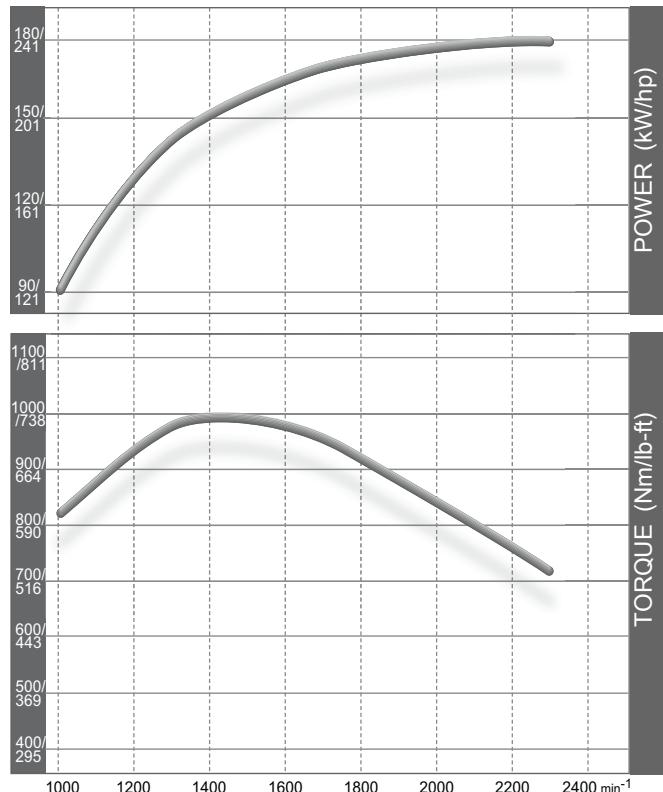
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

## Torque curve

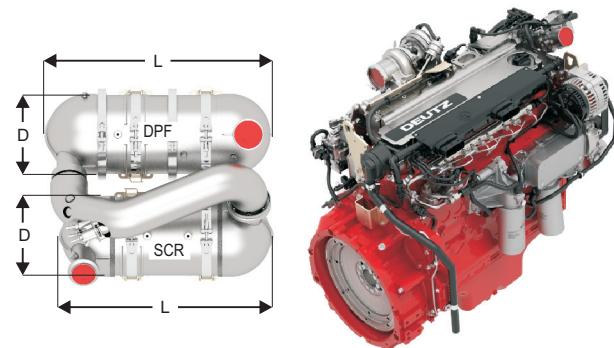
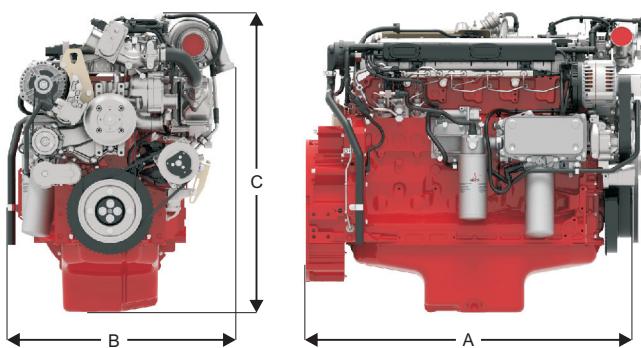
TCD 4.1 L4 - 115 kW|154 hp



TCD 6.1 L6 - 180 kW|241 hp



## Dimensions



	A	B	C	DPF		SCR		DVERT® EAT	
	mm   in	mm   in	mm   in	D	L	D	L	DPF	SCR
TCD 4.1 L4 T4	851   33.5	617   24.3	884   34.8	246	9.7	698	27.5	246   9.7	659   25.9
TCD 6.1 L6 T4	1082   42.6	678   26.7	946   37.2	272	10.7	782	30.8	272   10.7	689   27.1

■ Standard

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.

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