

TCD 4.1/6.1

For mobile machinery

80 - 180 kW | 108 - 241 hp at 1800 - 2300 min⁻¹ | rpm
EU Stage IIIB & IV / US EPA Tier 4 interim & 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 adapted to an optimum efficiency of the total system and therefore ensure minimum fuel and total running 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	101/126 4.0/5.0
Displacement	l cu in	4.1 250	6.1 370
Max. nominal speed	min ⁻¹ rpm	2300 (2400 T4i)	2300

Power output ¹⁾		TCD 4.1 L4	TCD 6.1 L6
Power output as per ISO 14396	kW hp	115 154	180 241
at speed	min ⁻¹ rpm	2300	2300
Max. torque	Nm lb/ft	610 450	1000 738
at speed	min ⁻¹ rpm	1600	1450
Minimum idling speed	min ⁻¹ rpm	600	600
Specific fuel consumption ²⁾	g/kWh lb/hph	212 0.35	210 0.35
Weight as per DIN 70020 Part 7A ³⁾	kg lb	400 882	620 1367

1) Power data without deduction of fan power.

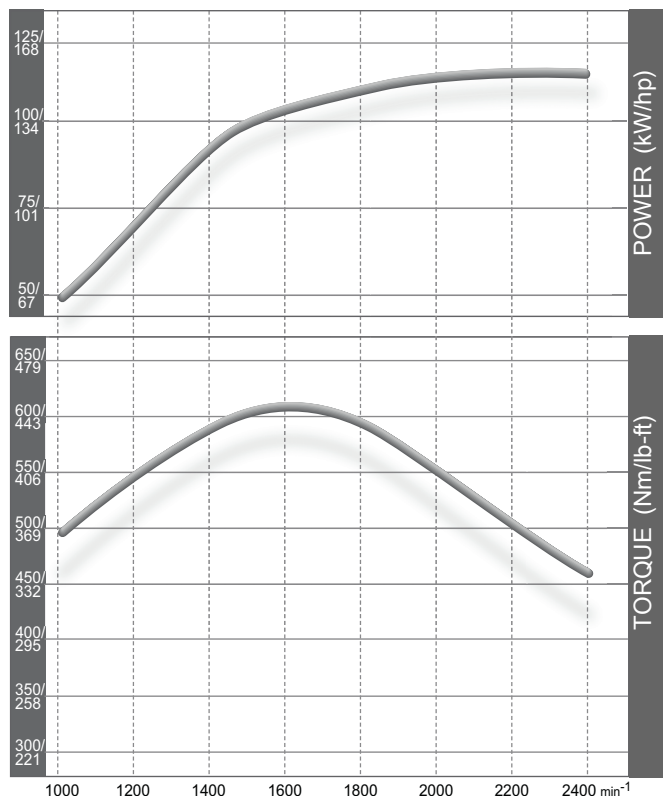
2) Best full load consumption refers to diesel with a density of 0.835 kg/dm³ at 15°C | 6.96 lb/US gallon at 60°F.

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

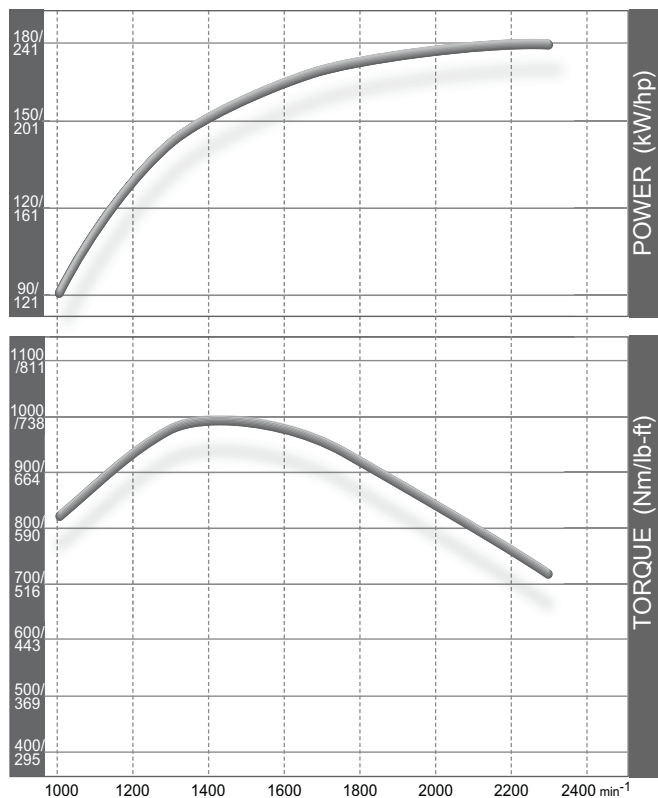
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

Torque curve

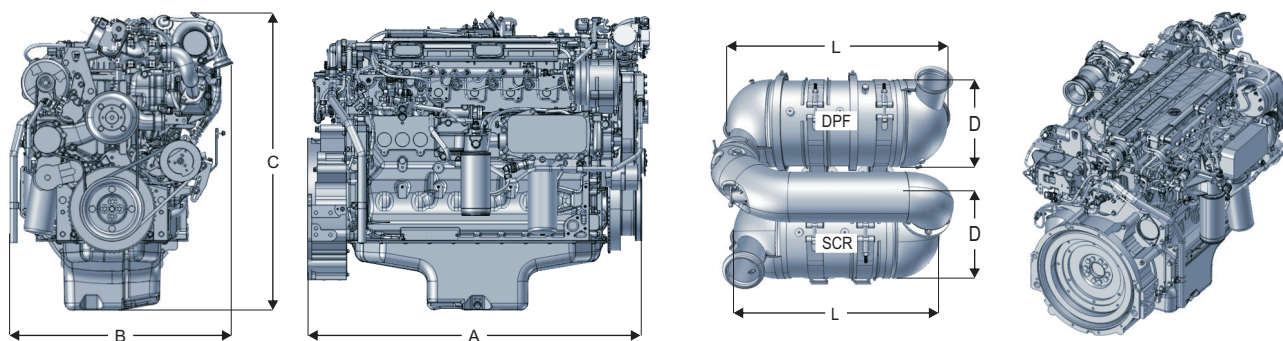
TCD 4.1 L4 - 115 kW|154 hp



TCD 6.1 L6 - 180 kW|241 hp



Dimensions



				DPF		SCR		DVERT® EAT	
				D	L	D	L	DPF	SCR
TCD 4.1 L4 T4i	mm in	851 33.5	617 24.3	884 34.8	306 12.0	716 28.2	-	-	-
TCD 4.1 L4 T4	mm in	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 T4i	mm in	1082 42.6	678 26.7	946 37.2	308 12.1	844 33.2	-	-	-
TCD 6.1 L6 T4	mm in	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.

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For more information please contact the DEUTZ AG Köln or the responsible sales partner.



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