

TCD 4.1/6.1

For agricultural machinery

91 - 211 kW | 122 - 283 hp at 2100 min⁻¹ | rpm

EU Stage IV / US EPA Tier 4

- Water-cooled 4 or 6-cylinder inline engines with turbocharging and charge air cooling. Two-stage turbocharging with cooled external exhaust gas recirculation from EU Stage IV / US EPA Tier 4.
- Engine and exhaust aftertreatment (EAT) are optimised for highest total system efficiency and thus ensure minimised fuel and total operating costs.
- 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.
- Consistent installation and connection dimensions of the engine facilitate the changeover of existing installations to the next stage of the emission legislation.



- Extremely compact DPF, which makes installation easier where there is limited space.
- Very smooth running due to optional mass balancing shafts (4 cylinder) guarantees a level of driving comfort.
- 500 h oil change intervals and easy changing of the engine fluids reduce the running costs and increase the availability of the machinery.
- Best cold starting performance even under extreme conditions.
- The engines meet the requirements of the EU Stage IIIB and US EPA Tier 4 interim with SCR. Additionally for EU Stage IV / US Tier 4 with DVERT[®] Particle filter (DPF). A variant without EAT is available as an option for less regulated markets.
- The extremely compact engine design with structural oil pan and a customer-oriented, modular system of optional add-on parts reduce the installation costs and increase the number of applications.
- 100% power take-off at flywheel and front end.

Technical data

Engine type		TCD 4.1 L4	TCD 6.1 L6	TTCD 6.1 L6
No. of cylinders		4	6	6
Bore/stroke	mm in	101/126 3.98/4.96	101/126 3.98/4.96	101/126 3.98/4.96
Displacement	l cu in	4.1 250	6.1 370	6.1 370
Max. nominal speed	min ⁻¹ rpm	2100	2100	2100

Engine type		TCD 4.1 L4	TCD 6.1 L6	TTCD 6.1 L6
Power output as per ISO 14396 ¹⁾	kW hp	120 160	174 233	211 283
at speed	min ⁻¹ rpm	2100	2100	2100
Max. power	kW hp	126 169	180 241	211 283
at speed	min ⁻¹ rpm	1900	1900	1700
Max. torque	Nm lb/ft	699 516	1072 791	1226 904
at speed	min ⁻¹ rpm	1400 - 1600	1400 - 1600	1400 - 1600
Minimum idling speed	min ⁻¹ rpm	600	600	650
Specific fuel consumption ²⁾	g/kWh lb/hph	208 0.35	204 0.34	197 0.32
Weight as per DIN 70020 Part 7A ³⁾	kg lb	460 1014	595 1312	595 1312

1) Power data without deduction of fan power.

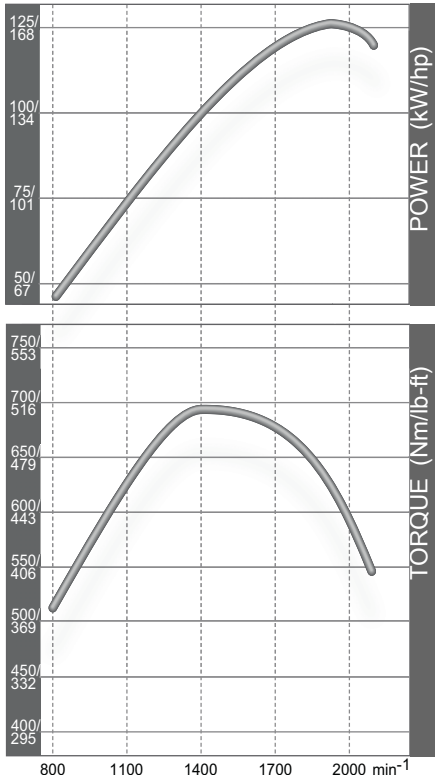
2) Best full load consumption refers to diesel with a density of 0.835 kg/dm³ at 15°C | 6.96 lb/US gallon at 60°F.

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

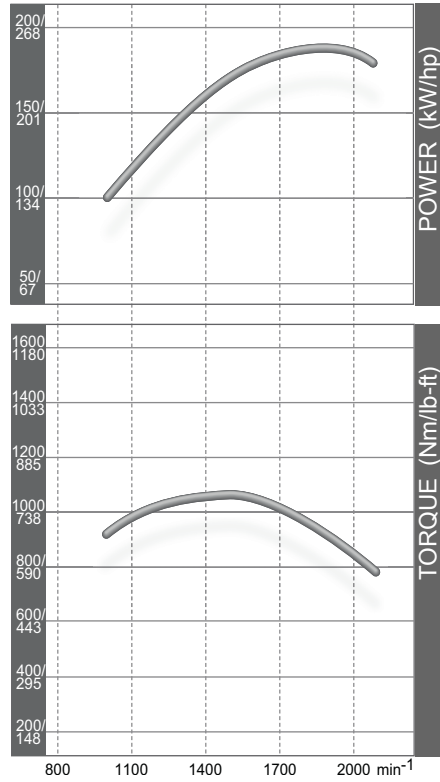
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

Torque curve

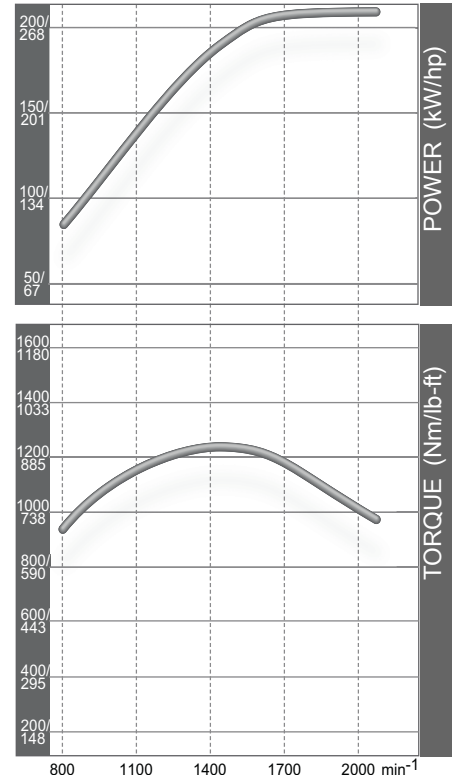
TCD 4.1 L4 - 120 kW|160 hp



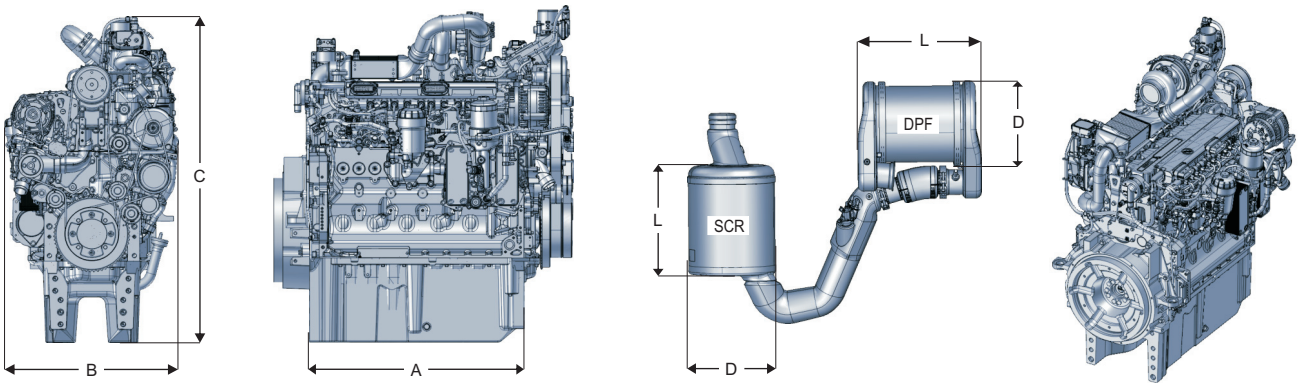
TCD 6.1 L6 - 174 kW|233 hp



TTCD 6.1 L6 - 211 kW|283 hp



Dimensions



		Engine Dimensions			DPF		SCR		DVERT® EAT	
		A	B	C	D	L	D	L	DPF	SCR
TCD 4.1 L4	mm in	539 21	602 24	1115 44	278 11	470 19	268 11	385 15	■	■
TCD 6.1 L6	mm in	767 30	621 24	1205 47	349 14	347 14	268 11	538 21	■	■
TTCD 6.1 L6	mm in	767 30	643 25	1205 47	349 14	398 16	362 14	367 15	■	■

■ 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.

