

# TCD 2013

For agricultural machinery

120 - 243 kW | 161 - 326 hp at 2300 min<sup>-1</sup> | rpm

EU Stage IIIA / US EPA Tier 3

- Water-cooled 4 and 6-cylinder inline engines with turbocharging and charge air cooling
- 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.
- The powerful DEUTZ Common-Rail (DCR<sup>®</sup>) injection system and the electronic engine control (EMR 3) with intelligent link to the drive management ensure optimum engine performance at low fuel consumption.



- The 4-cylinder is also available with a mechanical injection system in the power range up to 104 kW.

- Low noise emissions due to acoustically optimized components with very smooth running and high durability.
- Wet cylinder liners, long oil change intervals and easy changing of the engine fluids reduce the running costs and increase the availability of the machinery.
- 100% power take-off at flywheel and front end.
- Best cold starting performance even under extreme conditions.
- The engines meet the requirements of the EU Stage IIIA and US EPA Tier 3.

## Technical data

Engine type		TCD 2013 L4 2V	TCD 2013 L6 2V	TCD 2013 L6 4V
No. of cylinders		4	6	6
Bore/stroke	mm   in	108 / 130   4.3 / 5.1	108 / 130   4.3 / 5.1	108 / 130   4.3 / 5.1
Displacement	l   cu in	4.8   291	7.2   436	7.2   436
Max. nominal speed	min <sup>-1</sup>   rpm	2300	2300	2200

Engine type		TCD 2013 L4 2V	TCD 2013 L6 2V	TCD 2013 L6 4V
Power output as per ISO 14396 <sup>1)</sup>	kW   hp	120   161	200   268	243   326
at speed	min <sup>-1</sup>   rpm	2300	2300	2100
Max. torque	Nm   lb/ft	670   494	1050 <sup>4)</sup>   774	1310   966
at speed	min <sup>-1</sup>   rpm	1600	1500	1450
Minimum idling speed	min <sup>-1</sup>   rpm	650	650	800
Specific fuel consumption <sup>2)</sup>	g/kWh   lb/hph	209   0.34	205   0.34	195   0.32
Weight as per DIN 70020 Part 7A <sup>3)</sup>	kg   lb	500   1102	610   1345	660   1455

1) Power data without deduction of fan power.

2) Best full load consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C | 6.96 lb/US gallon at 60°F.

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

4) 1100 Nm | 811.3 lb-ft with switched internal EGR (exhaust gas return).

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

The engine company.

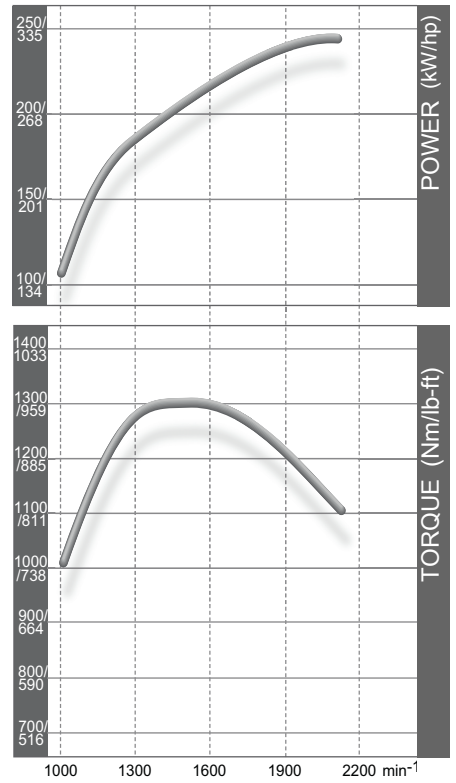
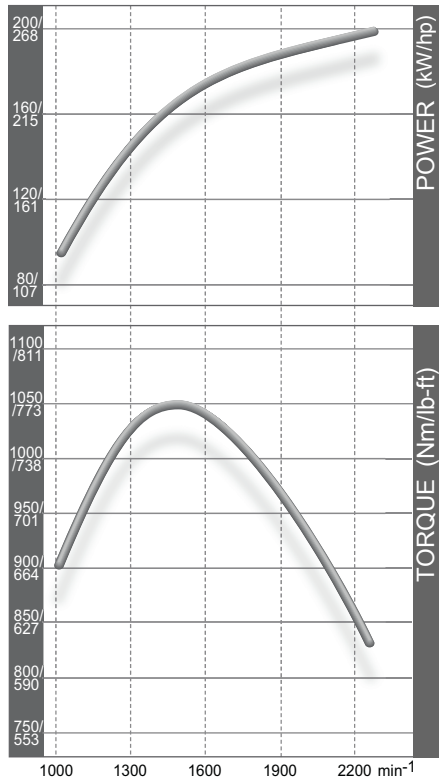
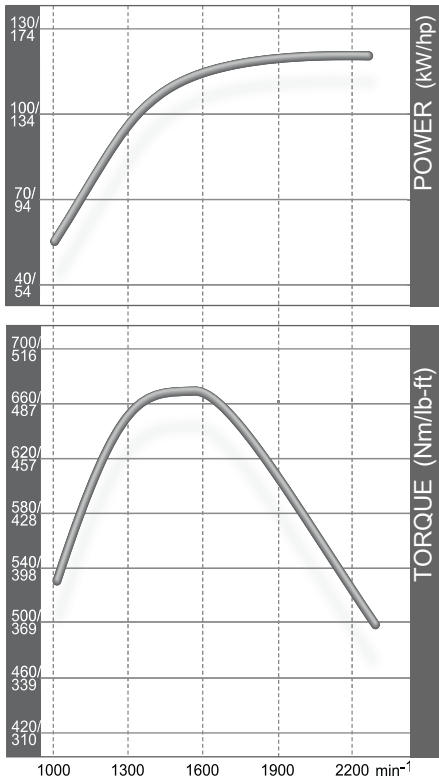


## Torque curve

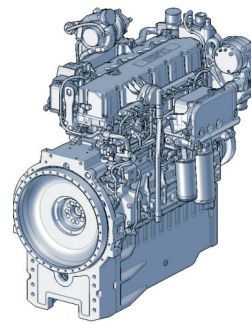
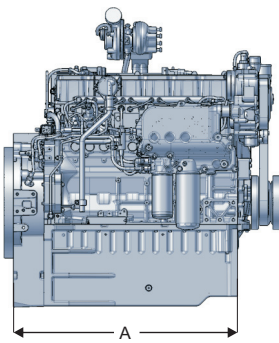
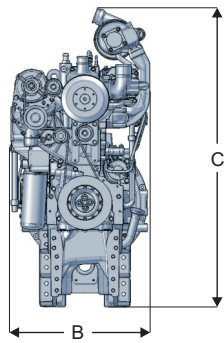
TCD 2013 L4 2V - 120 kW|161 hp

TCD 2013 L6 2V - 200 kW|268 hp

TCD 2013 L6 4V - 243 kW|326 hp  
(2100 min<sup>-1</sup>|rpm)



## Dimensions



		A	B	C
TCD 2013 L4 2V	mm   in	1138   44.8	657   25.9	991   39.0
TCD 2013 L6 2V	mm   in	874   34.4	631   24.8	941   37.0
TCD 2013 L6 4V	mm   in	1174   46.2	691   27.2	972   38.3

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.

