

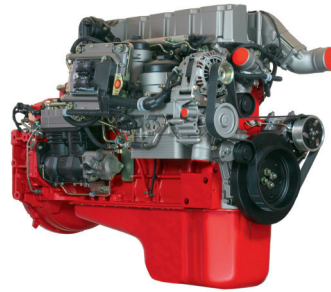
# TCD 2013

For trucks and buses

118 - 247 kW/160 - 335 PS at 2100/2300 min<sup>-1</sup>

EURO III - V EEV

- Water-cooled 4 or 6-cylinder inline engines with turbocharging and charge air cooling.
- The powerful DEUTZ Common Rail (DCR<sup>®</sup>) injection system and the electronic engine control with intelligent link to the drive management ensure optimum engine performance at low fuel consumption.
- The engines meet the requirements of exhaust classes EURO IV and V by the use of selective catalytic reduction (SCR). EURO III is achieved without exhaust gas aftertreatment.
- Best cold starting performance even under extreme conditions.



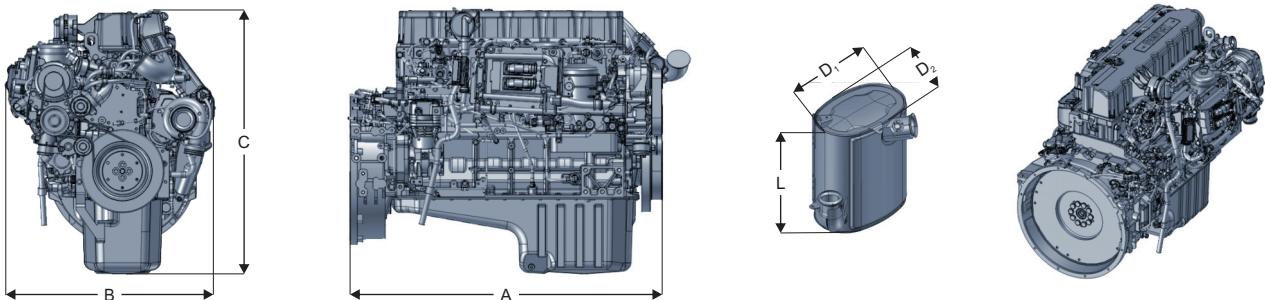
- Oil change intervals of up to 50,000 km and easy changing of the engine fluids reduce the running costs and increase the availability of the machinery.
- Integrated engine brake optional in 6-cylinder engines.

- Unchanged installation and connection dimensions of the engine simplify the installation of engines of different exhaust classes.
- Easy, inexpensive installation due to minimum weight and small installation space.
- 100% power takeoff on the flywheel and at the front and side gear wheel-driven PTO drive with up to 190 Nm, additional optional powerful PTO with up to 600 Nm.
- Engines for bus applications as 6-cylinder TCD 2013 L6 4V.
- The TCD 2013 meets the requirements of EURO III - V and EEV.

## Technical data

Engine type		TCD 2013 L4 4V	TCD 2013 L6 4V
No. of cylinders		4	6
Bore/stroke	mm	108 / 130	108 / 130
Displacement	l	4,8	7,2
Nominal speeds	min <sup>-1</sup>	2300	2100 / 2300

## Dimensions



		A	B	C	D <sub>1</sub>	D <sub>2</sub>	L
TCD 2013 L4 4V	mm	894	754	911	296	296	895
TCD 2013 L6 4V	mm	1158	787	983	540	370	640

Note: The engine dimensions and weights vary depending on the scope of delivery.

The engine company.



# TCD 2013 L4 4V Truck

Truck		TCD 2013 L4 4V				
Exhaust class		EURO III		EURO IV		
Power output as per ISO 1585	kW/PS	140/190	158/215	118/160	140/190	158/215
at speed	min <sup>-1</sup>	2300		2300		
Max. torque	Nm	680	800	580	680	800
at speed	min <sup>-1</sup>	1200 - 1700		1200 - 1700		
Minimum idling speed	min <sup>-1</sup>	700		700		
Specific fuel consumption <sup>1)</sup>	g/kWh	198	201	201	203	205
Weight as per DIN 70020 Part 7A <sup>2)</sup>	kg	490	490	490	490	490

Truck		TCD 2013 L4 4V	
Exhaust class		EURO V	
Power output as per ISO 1585	kW/PS	136/185	161/220
at speed	min <sup>-1</sup>	2300	
Max. torque	Nm	663	816
at speed	min <sup>-1</sup>	1200 - 1700	
Minimum idling speed	min <sup>-1</sup>	700	
Specific fuel consumption <sup>1)</sup>	g/kWh	199	200
Weight as per DIN 70020 Part 7A <sup>2)</sup>	kg	490	490

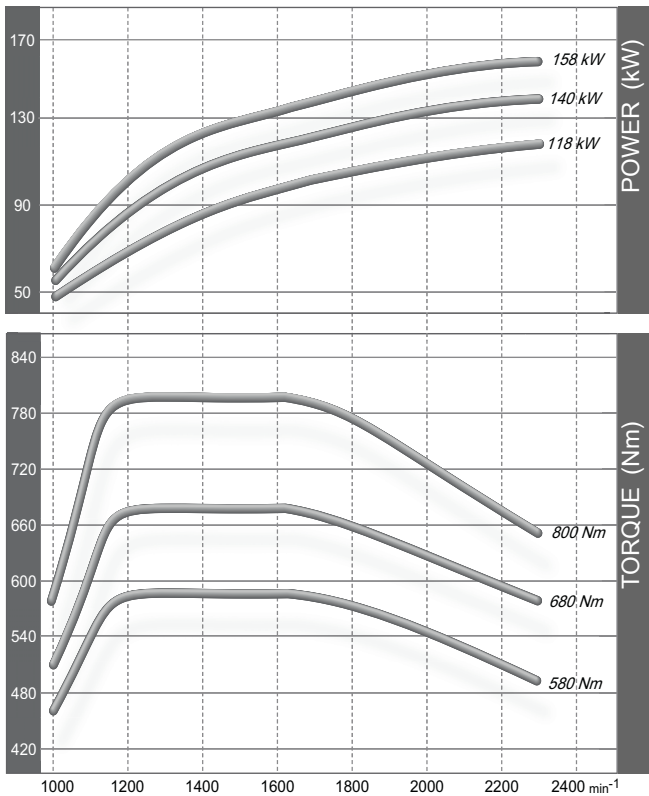
1) Best full load consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C | 6.96 lb/US gallon at 60°F.

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

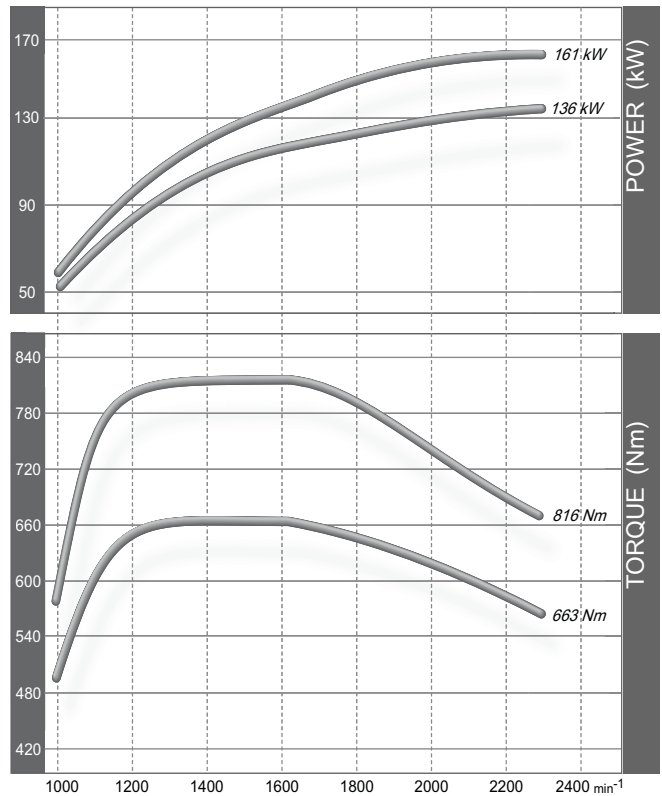
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## Torque curve

TCD 2013 L4 4V, EURO III/IV



TCD 2013 L4 4V, EURO V



# TCD 2013 L6 4V Truck

Truck		TCD 2013 L6 4V					
Exhaust class		EURO III			EURO IV		
Power output as per ISO 1585	kW/PS	177/240	206/280	235/320	177/240	206/280	235/320
at speed	min <sup>-1</sup>	2300			2300		
Max. torque	Nm	920	1050	1200	920	1050	1200
at speed	min <sup>-1</sup>	1200 - 1700			1200 - 1700		
Minimum idling speed	min <sup>-1</sup>	600			600		
Specific fuel consumption <sup>1)</sup>	g/kWh	201	197	200	196	197	199
Weight as per DIN 70020 Part 7A <sup>2)</sup>	kg	650	650	650	650	650	650

Truck		TCD 2013 L6 4V				
Exhaust class		EURO V				
Power output as per ISO 1585	kW/PS	181/245	195/265	217/295	225/305	247/335
at speed	min <sup>-1</sup>	2300				
Max. torque	Nm	938	1010	1071	1153	1306
at speed	min <sup>-1</sup>	1200 - 1800			1200 - 1700	
Minimum idling speed	min <sup>-1</sup>	600				
Specific fuel consumption <sup>1)</sup>	g/kWh	204	207	200	200	200
Weight as per DIN 70020 Part 7A <sup>2)</sup>	kg	650	650	650	650	650

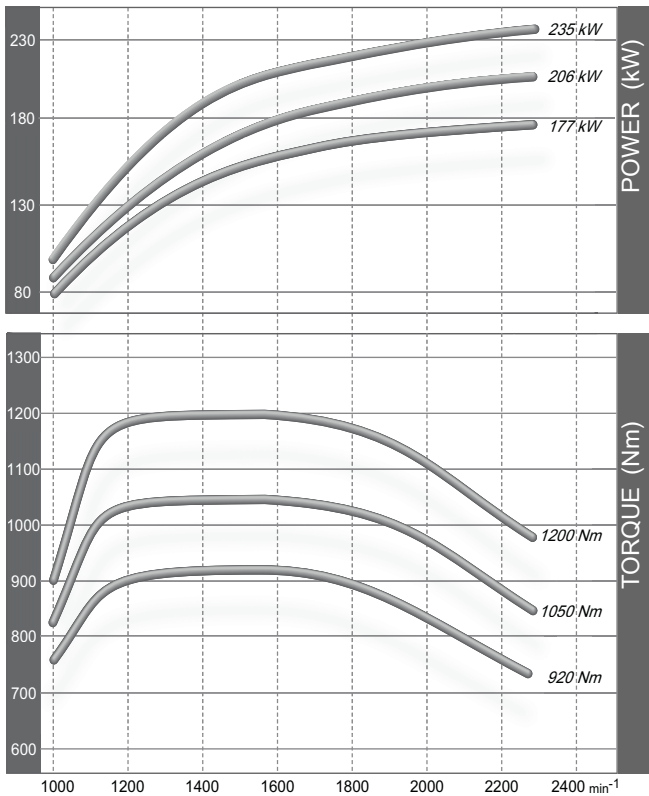
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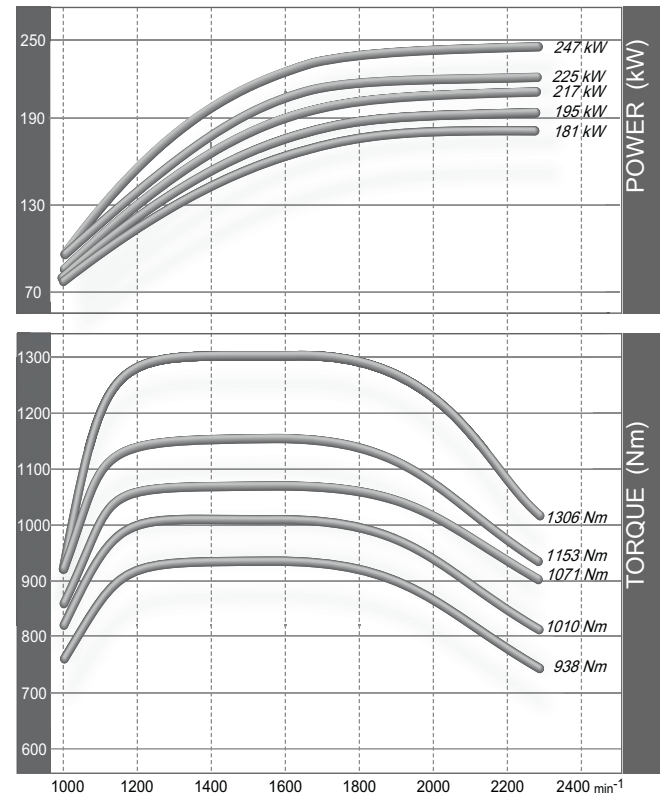
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## Torque curve

TCD 2013 L6 4V, EURO III/IV



TCD 2013 L6 4V, EURO V



## TCD 2013 L6 4V Bus

Bus		TCD 2013 L6 4V		
Exhaust class		EURO III	EURO IV	EURO V EEV
Power output as per ISO 1585	kW/PS	213/290	213/290	213/290
at speed	min <sup>-1</sup>	2100	2100	2100
Max. torque	Nm	1200	1200	1200
at speed	min <sup>-1</sup>	1050 - 1600	1050 - 1600	1050 - 1650
Minimum idling speed	min <sup>-1</sup>	600	600	600
Specific fuel consumption <sup>1)</sup>	g/kWh	197	194	204
Weight as per DIN 70020 Part 7A <sup>2)</sup>	kg	650	650	650

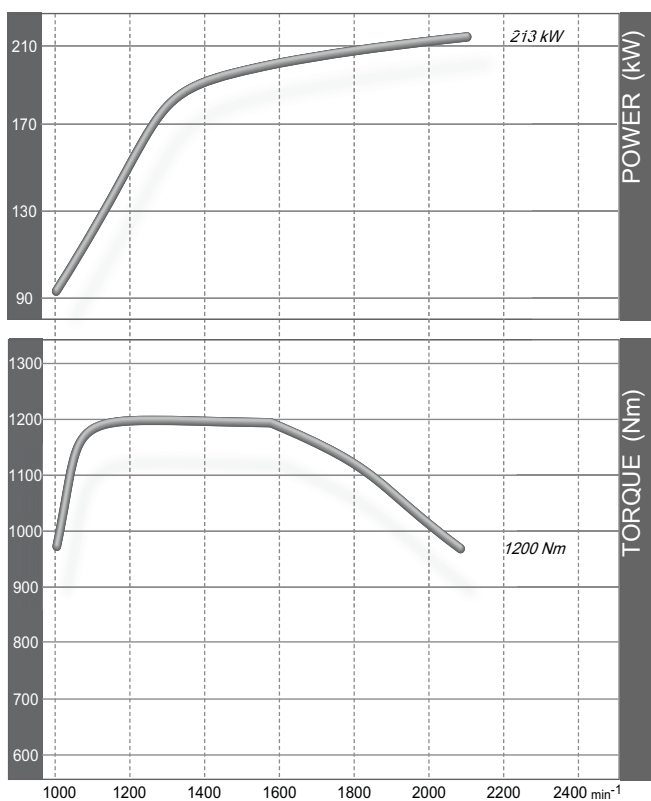
1) Best full load consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C | 6.96 lb/US gallon at 60°F.

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

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## Torque curve

### TCD 2013 L6 4V, EURO III/IV/V EEV



Order No. 0031 2399 / 05 / 2012 / VC-CM

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

