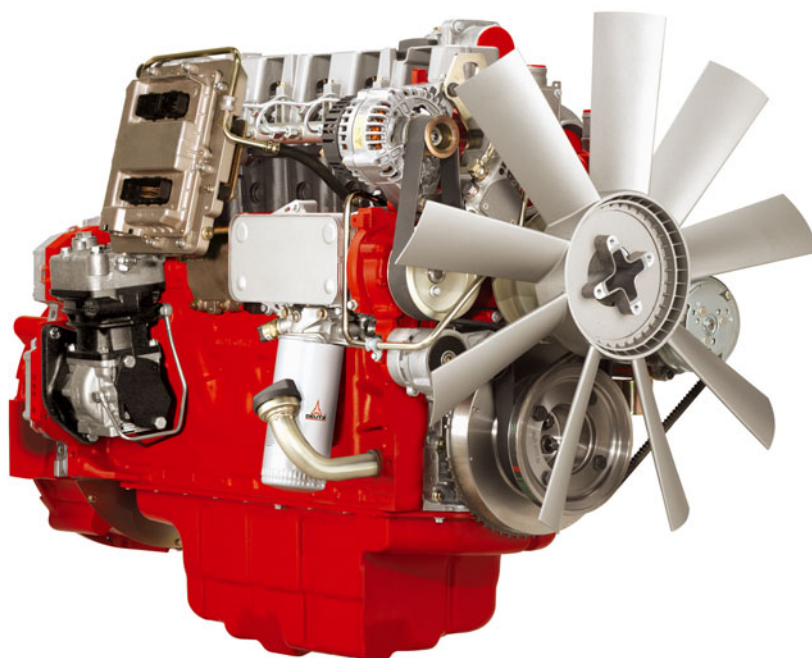


# TCD 2012

The Construction Equipment Engine. 77–155 kW | 103.3–208 hp at 2400 rpm



The engine company.



# Your benefits

- Good cost-effectiveness thanks to simple and inexpensive installation, good durability and long service intervals.
- Low noise emission ensures further savings due to reduced soundproofing measures.
- Lean engine structure and the variable design of the engine's front end offer maximum flexibility.
- Very low exhaust emissions actively contribute towards environmental protection.
- High running smoothness, thanks to mass balancing shafts in the 4-cylinder engine, guarantee high operating comfort.
- The 2012 series complies with 2004/26/EU level III A emission standards and EPA TIER III for mobile working machines.

# Characteristics

Modern, water-cooled 4- and 6-cylinder in-line engines | Turbocharging with charge air cooler | Robust engine with high power density | Power take-off options integrated into the gear drive | Electronic engine control with intelligent adaptation to drive management | High-pressure fuel injection with DEUTZ common rail system (DCR®)

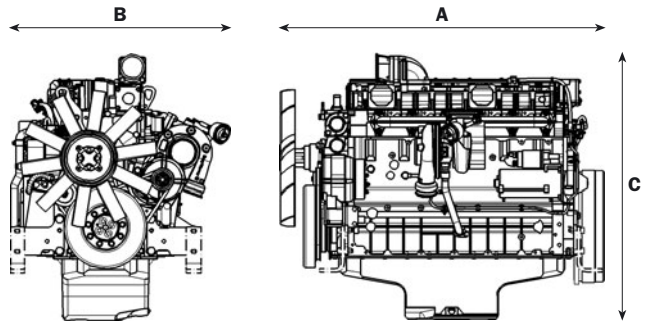
Engine model		TCD 2012 L4	TCD 2012 L6
Number of cylinders		4	6
Bore/stroke	mm   inch	101/126   4/5	101/126   4/5
Swept volume	l   cu inch	4.04   247	6.06   370
Compression ratio		1 : 18	1 : 18
Max. rated speed	rpm	2400	2400
Mean piston speed	m/s   ft/sec	10.1   33	10.1   33

### Performance for construction equipment engines <sup>1)</sup>

Power output to ISO 14396	kW   hp	103   138	155   208
At engine speed	rpm	2400	2400
At mean, effective pressure	bar   psi	12.8   186	12.8   186
Max. torque	Nm   lb-ft	520   384	810   597 <sup>4)</sup>
At engine speed	rpm	1600	1600
Minimum idle speed	rpm	650	650
Specific fuel consumption <sup>2)</sup>	g/kWh   lb/hp-hr	215   0.35	215   0.35
Weight acc. to DIN 70020, Part 7A <sup>3)</sup>	kg   lb	395   871	506   1116

### Dimensions

in mm	A	B	C
TCD 2012 L4	864   34	680   27	822   32
TCD 2012 L6	1125   44	748   29	905   36



1) Output data without deduction of fan output.

2) Best full-throttle diesel fuel consumption at 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, radiator and fluids, but with flywheel and flywheel housing.

4) 850 Nm | 627 lb-ft with switched EGR.

The figures indicated in this data sheet are for information purposes only and are not binding.

The specifications in the quote are determinative.