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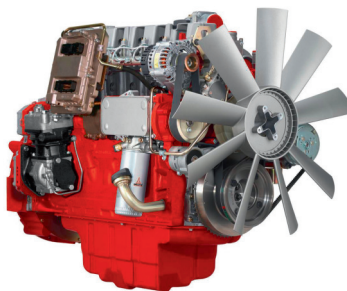
TCD 2012

For mobile machinery

66 - 155 kW | 91 - 210 hp at 2400 min⁻¹ | rpm

EU Stage IIIA / US EPA Tier 3

- Water-cooled 4 and 6-cylinder inline engines with turbocharging and charge air cooling
- The compact engine design and three PTO drive possibilities integrated into the gear drive reduce the installation costs and offer numerous application possibilities.
- The powerful DEUTZ Common-Rail (DCR®) 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 88 kW.

- Best cold starting properties even under extreme conditions.
- The 4-cylinder is also available with an optional mass compensation gear for low noise emissions and very smooth running so that expensive insulation measures can be omitted.
- Long oil change intervals and easy changing of the engine fluids reduce the running costs and increase the availability of the machinery.
- The robust engine design allows world-wide operation even with high sulphur fuels.

Technical data

| Engine type | | TD 2012 L4 ⁵⁾ | TCD 2012 L4 ⁵⁾ | TCD 2012 L4 | TCD 2012 L6 |
|---|-------------------------|--------------------------|---------------------------|-------------------|-------------------------|
| No. of cylinders | | 4 | 4 | 4 | 6 |
| Bore/stroke | mm in | 101/126 4.0/5.0 | 101/126 4.0/5.0 | 101/126 4.0/5.0 | 101/126 4.0/5.0 |
| Capacity | l cu in | 4.04 247 | 4.04 247 | 4.04 247 | 6.06 370 |
| Compression ratio | | 18:1 | 18:1 | 18:1 | 18:1 |
| Nominal speeds | min ⁻¹ rpm | 2000 - 2300 | 2000 - 2400 | 2000 - 2400 | 2000 - 2400 |
| Power output ¹⁾ | | TD 2012 L4 ⁵⁾ | TCD 2012 L4 ⁵⁾ | TCD 2012 L4 | TCD 2012 L6 |
| Power output as per ISO 14396 | kW hp | 66 88.5 | 88 118 | 103 138 | 155 208 |
| at speed | min ⁻¹ rpm | 2300 | 2400 | 2400 | 2400 |
| Max. torque | Nm lb/ft | 350 258 | 420 310 | 520 384 | 810 ⁴⁾ 597 |
| at speed | min ⁻¹ rpm | 1600 | 1600 | 1600 | 1600 |
| Minimum idling speed | min ⁻¹ rpm | 900 | 900 | 650 | 650 |
| Specific fuel consumption ²⁾ | g/kWh lb/hph | 237 0.39 | 216 0.355 | 204 0.335 | 208 0.342 |
| Weight as per DIN 70020 Part 7A ³⁾ | kg lb | 400 882 | 400 882 | 400 882 | 510 1124 |

1) Capacity data without deduction of fan capacity

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/dynamo, cooler and fluids but with flywheel and flywheel housing.

4) 850 Nm | 627 lb-ft with switched internal EGR (exhaust gas return)

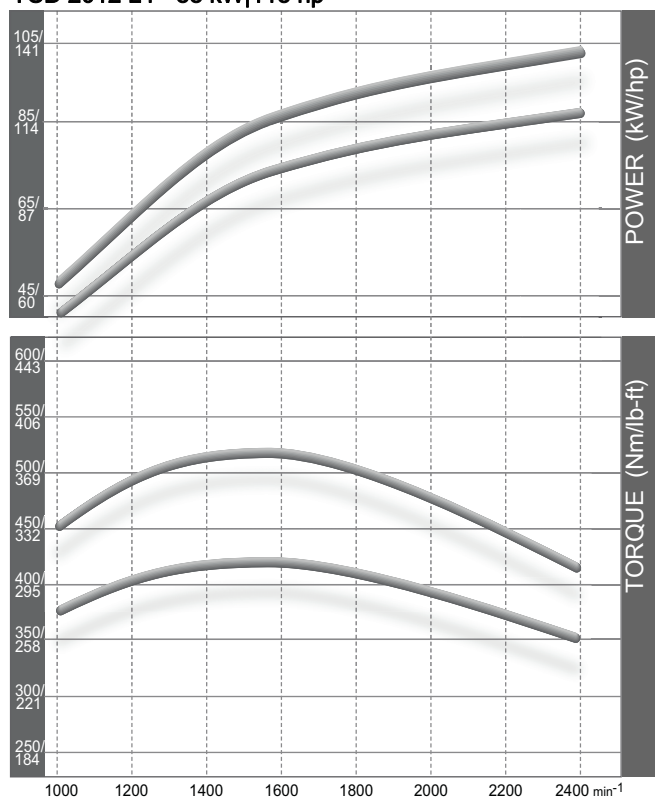
5) Mechanical injection system

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

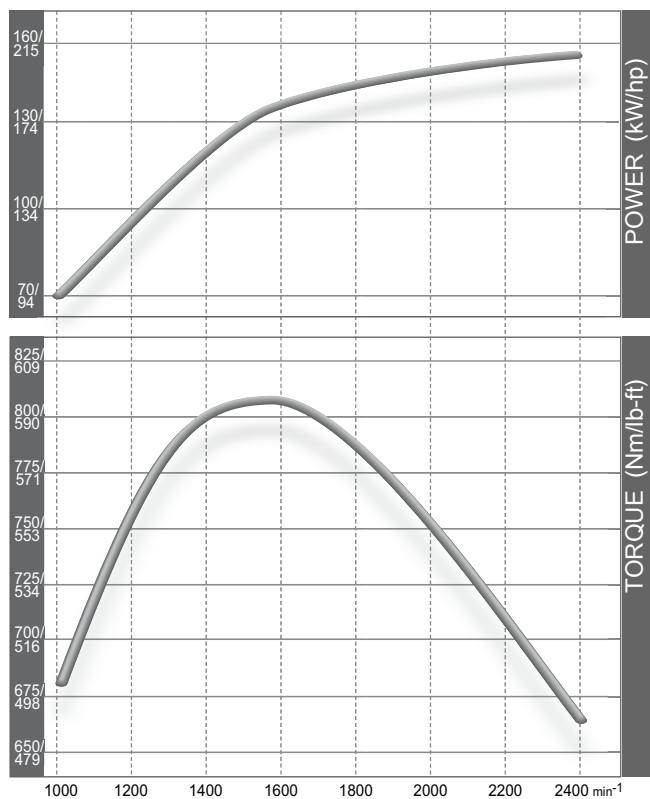
Torque curve

TCD 2012 L4 - 103 kW|138 hp

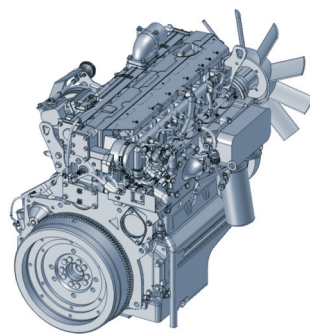
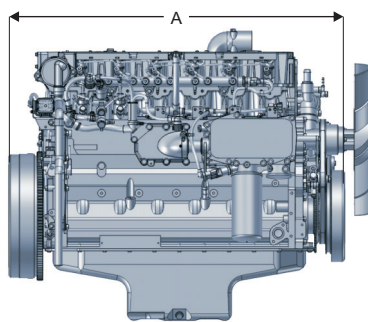
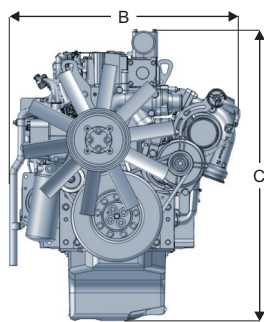
TCD 2012 L4 - 88 kW|118 hp



TCD 2012 L6 - 155 kW|208 hp



Dimensions



| | | A | B | C |
|------------------|---------|-----------------|-------------|-------------|
| TD 2012 L4 MECH. | mm in | 766 * 30.16 | 628 24.72 | 825 32.48 |
| TCD 2012 L4 DCR® | mm in | 791 ** 31.14 | 628 24.72 | 823 32.40 |
| TCD 2012 L6 DCR® | mm in | 1018 ** 40.08 | 659 25.94 | 893 35.16 |

* V-belt drive

** Poly-V belt drive

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

Order No. 0031 2139 / 09 / 2011 / VC-CM

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



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