

ДВИГАТЕЛИ ДЛЯ АГРОТЕХНИКИ СЕРИИ TCD 3.6



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DEUTZ TCD 3.6

For agricultural machinery

69.5 – 105 kW | 93 – 141 hp at 2000 – 2200 min⁻¹ | rpm | EU Stage V / US EPA Tier 4



The DEUTZ TCD 3.6 is a compact, water-cooled 4-cylinder inline engine for agricultural machinery with a power range from 69.5 to 105 kW. It already complies with the EU Stage V and the US EPA Tier 4 exhaust emission requirements. The engine is turbocharged, charge-air cooled and has cooled external exhaust gas recirculation.

DISCOVER THE TCD 3.6

- Newly-designed, water-cooled 4-cylinder inline engine with turbo charging, cooled external exhaust gas return and charge-air cooling.
- Use of DVERT[®] oxidation catalytic converter (DOC) and selective catalytic reduction (SCR) enables maintenance-free operation under all application and ambient conditions.
- The DVERT[®] diesel particle filter technology is optionally applicable. Using the diesel particle filter the engine meets the EU Stage V emissions standard.
- The engine has a modular exhaust gas aftertreatment system (EAT).

- The powerful DEUTZ Common Rail injection system and the electronic engine control (EMR4) with intelligent link to the drive management ensure optimum engine performance at low fuel consumption.
- The extremely compact engine design and customer friendly accessories reduce the installation cost and increase the number of applications.
- 100% power take-off at flywheel and front end, two additional PTO drives with a total torque up to 130 Nm for the installation of two hydraulic pumps.
- 500h oil change intervals and a maintenance-free valve train result in low maintenance cost and increased machine availability.
- Best cold starting performance even

under extreme conditions.

- The engine meets the Stage V and the US EPA Tier 4 exhaust emission requirements. A variant without EAT is available as an option for less regulated markets.



TECHNICAL DATA

| ENGINE TYPE | | TCD 3.6 L4 |
|--------------------|-------------------------|------------------|
| No. of cylinders | | 4 |
| Bore/stroke | mm in | 98/120 3.9/4.7 |
| Displacement | l cu in | 3.6 221 |
| Max. nominal speed | min ⁻¹ rpm | 2200 |

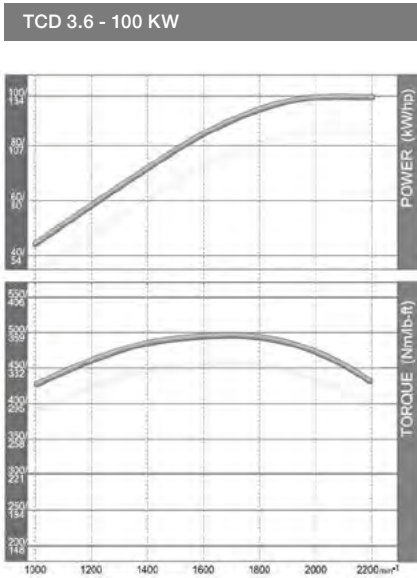
| ENGINE TYPE | | TCD 3.6 L4 |
|---|-------------------------|------------|
| Power output as per ISO 14396 ¹⁾ | kW hp | 100 134 |
| at speed | min ⁻¹ rpm | 2200 |
| Max. power | kW hp | 100 134 |
| at speed | min ⁻¹ rpm | 2000 |
| Max. torque | Nm lb/ft | 500 369 |
| at speed | min ⁻¹ rpm | 1600 |
| minimum idling speed | min ⁻¹ rpm | 800 |
| Specific fuel consumption ²⁾ | g/kWh lb/hph | 214 0.35 |
| Weight | kg lb | 477 1052 |

* Based on the proposal by the EU Commission COM (2014) 581 final from 25.09.2014.

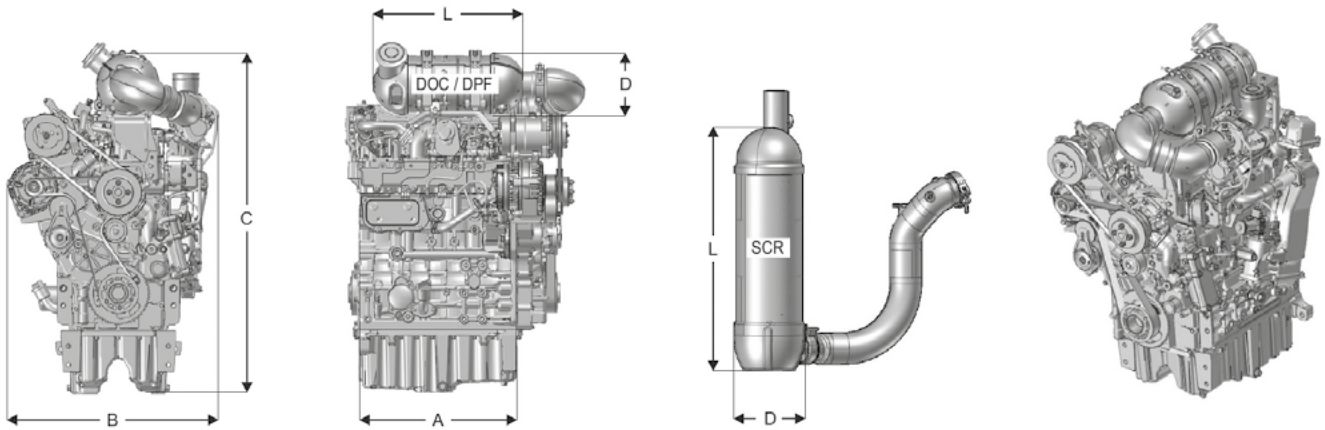
¹⁾ Power data without deduction of fan power.

²⁾ Best point consumption refers to diesel with a density of 0.835 kg/dm³ at 15°C.

TORQUE CURVES



DIMENSIONS

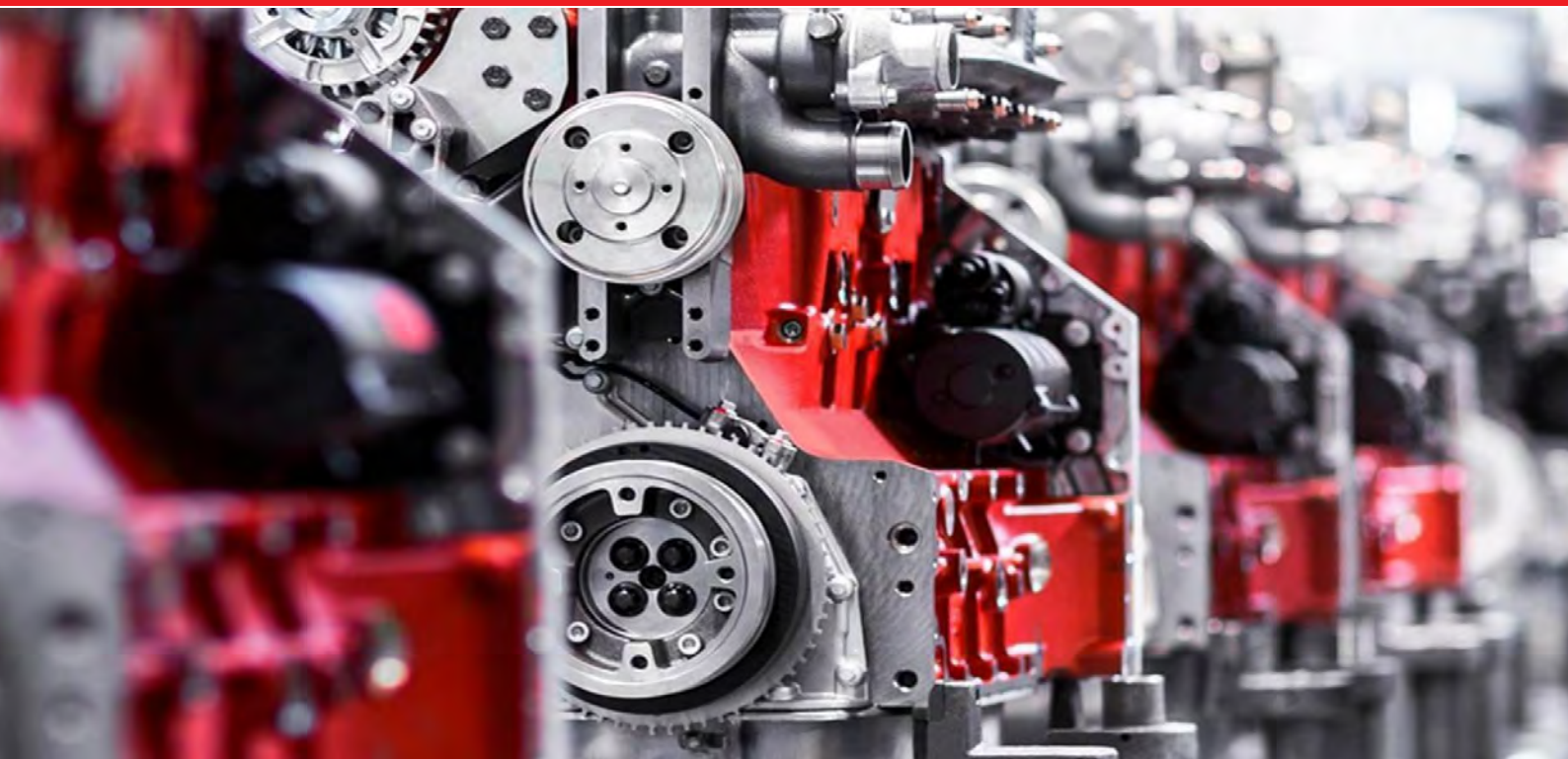


| | mm in | DOC/DPF | | SCR | | DVERT®-AGN DOC | | | | | |
|---------------------------------------|---------|------------|------------|-------------|-----------|----------------|-----------|------------|-----|-----|-----|
| | | A | B | C | D | L | D | L | DOC | DPF | SCR |
| TCD 3.6 L4 EU Stage V / US EPA Tier 4 | | 480 18.9 | 647 25.5 | 1066 42.0 | 192 7.6 | 514 20.2 | 214 8.4 | 636 25.0 | ■ | ■ | ■ |

■ Standard

The open DVERT® exhaust aftertreatment system (EAT) does not satisfy the regulations of certain markets that have specified additional limit values for the number of particles (e.g. Switzerland).

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



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