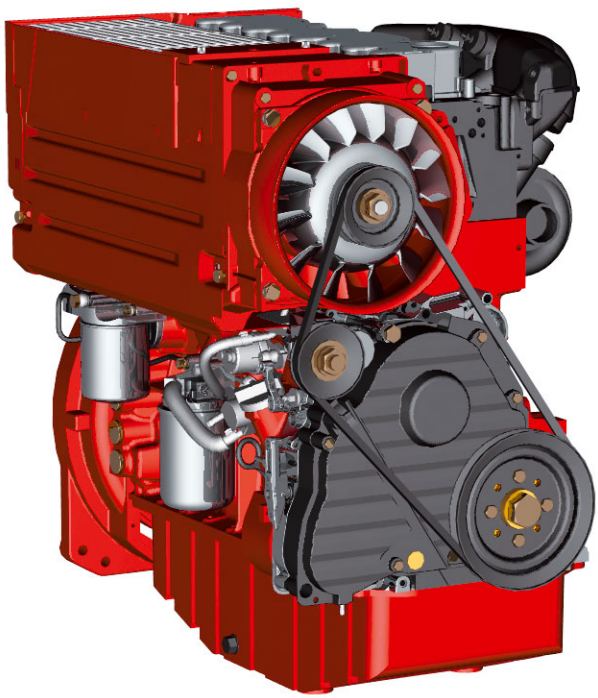
TD 2011

The Agricultural Equipment Engine. 23–56 kW | 31–76 hp at 1600–2800 rpm



The engine company.

DEUTZ®

Your benefits

- Compact dimensions. Takes up less space and reduces installation costs.
- The 2011 model series offers an outstanding power-to-weight ratio.
- Low exhaust emissions for a clean environment. Compliance with 2004/26/EU level III A and EPA TIER III for mobile equipment.
- Cooling and lubrication with oil avoid corrosion and cavitation.
- High reliability combined with long maintenance intervals and low wear.
- Low noise emission eliminates the need for costly noise-reducing soundproofing measures.

Characteristics

Compact dimensions | Naturally-aspirated 2-, 3- and 4-cylinder in-line engines | Turbocharging also for 4-cylinder engines | With integrated cooling system | Power take-offs for driving hydraulic pumps up to 28 kW/2800 rpm | All service points located on one side of the engine

TIER III/level III A output for agricultural equipment engines [1]

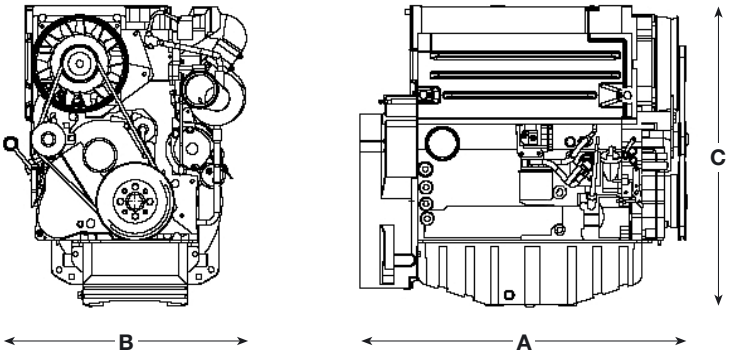
Engine model		**D 2011 L2 i**	**D 2011 L3 i**	**D 2011 L4 i**	**TD 2011 L4 i**
Number of cylinders		2	3	4	4
Bore/stroke	mm | inch	94/112 | 3.7/4.4	94/112 | 3.7/4.4	96/125 | 3.8/5.0	96/125 | 3.8/5.0
Swept volume	l | cu inch	1.55 | 95	2.33 | 142	3.62 | 221	3.62 | 221
Compression ratio		1 : 19	1 : 19	1 : 19	1 : 18
Max. rated speed	rpm	2800	2800	2600	2600
Mean piston speed	m/s | ft/sec	10.5 | 34.4	10.5 | 34.4	10.8 | 35.4	10.8 | 35.4

Output for agricultural equipment engines [1]

Output according to ISO 14396	kW | hp	23 | 31	35.8 | 48	46 | 62	56 | 76
At engine speed	rpm	2800	2800	2600	2600
At mean, effective pressure	bar | lb/inch	6.3 | 91	6.6 | 96	5.9 | 86	7.1 | 103
Max. torque	Nm | lb/ft	90 | 66	137 | 101	190 | 140	250 | 184
At engine speed	rpm	1700	1700	1700	1600
Minimum idle speed	rpm	900	900	900	900
Specific fuel consumption [2]	g/kWh | lb/hp-hr	225 | 0.37	225 | 0.37	225 | 0.37	235 | 0.39
Weight according to DIN 70020, Part 7A [3]	kg | lb	175 | 386	217 | 478	270 | 595	267 | 589

Dimensions

in mm | inch	**A**	**B**	**C**
D 2011 L2 i	487 | 16.1	451 | 17.8	683 | 26.9
D 2011 L3 i	599 | 23.6	451 | 17.8	678 | 26.9
D 2011 L4 i	710 | 28.0	466 | 18.3	713 | 28.1
TD 2011 L4 i	710 | 28.0	525 | 20.7	728 | 28.7



1) Gross output at flywheel, including integrated cooling system.

2) At the optimal point; specific fuel consumption based on diesel fuel with a density of 0.835 kg/dm^3 at 15 °C (6.96 lb/US gallon at 60 °F).

3) Including integrated cooling system, but for dry engine.

The specifications in this data sheet are for information purposes only and are not binding values.
The specifications in the quote are determinative.

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