

DEUTZ TCD 2.9

For narrow-track tractors

63–77 kW | 84–103 hp at 2200 min⁻¹/rpm | EU Stage IIIB



The DEUTZ TCD 2.9 NT is the compact, water-cooled 4-cylinder inline engine for narrow-track tractors with a power range from 84 to 103 hp. It complies with the requirement of the EU Stage III B. The engine has turbocharging, charge-air cooling and cooled external exhaust gas recirculation.

DISCOVER THE TCD 2.9

- Newly-designed, water-cooled 4-cylinder inline engine with cooled external exhaust gas return with turbo charging and charge air cooling.
- Use of DVERT[®] oxidation catalytic converter (DOC) enables maintenance-free operation under all application and ambient conditions.
- 100% power take-off at flywheel and front end and additional side PTO drive with up to 120 Nm for the mounting of up to two hydraulic pumps.
- Best cold starting performance even under extreme conditions.
- The engines have an modular exhaust gas aftertreatment system (EAT).
- 500 h oil change intervals and a maintenance-free valve train result in low maintenance costs and increased machine availability.
- The powerful Common Rail injection system and highly-efficient combustion process with cooled external exhaust gas recirculation ensure optimum engine performance at low fuel consumption and exhaust emissions.
- The engine fulfil the requirements of EU stage IIIB with the DVERT[®] oxidation catalytic converter.
- The extremely compact engine design and customer friendly accessories reduce the installation costs and increase the number of applications.



TECHNICAL DATA

Engine type		TCD 2.9 L4	
No. of cylinders		4	
Bore/stroke	mm in	92/110 3.6/4.3	
Displacement	l cu in	2.9 177	
Max. nominal speed	min ⁻¹ rpm	2200	

Engine type		TCD 2.9 L4		
Power output as per ISO 14396 ¹⁾	kW hp	63 84	70 94	77 103
at speed	min ⁻¹ rpm	2200	2200	2200
Max. power	kW hp	70 94	75 101	82 110
at speed	min ⁻¹ rpm	2000	2000	2000
Max. torque	Nm lb/ft	400 295	410 302	420 310
at speed	min ⁻¹ rpm	1600	1600	1600
minimum idling speed	min ⁻¹ rpm	900	900	900
Specific fuel consumption ²⁾	g/kWh lb/hph	220 0.36	221 0.36	222 0.36
Weight	kg lb	340 750	340 750	340 750

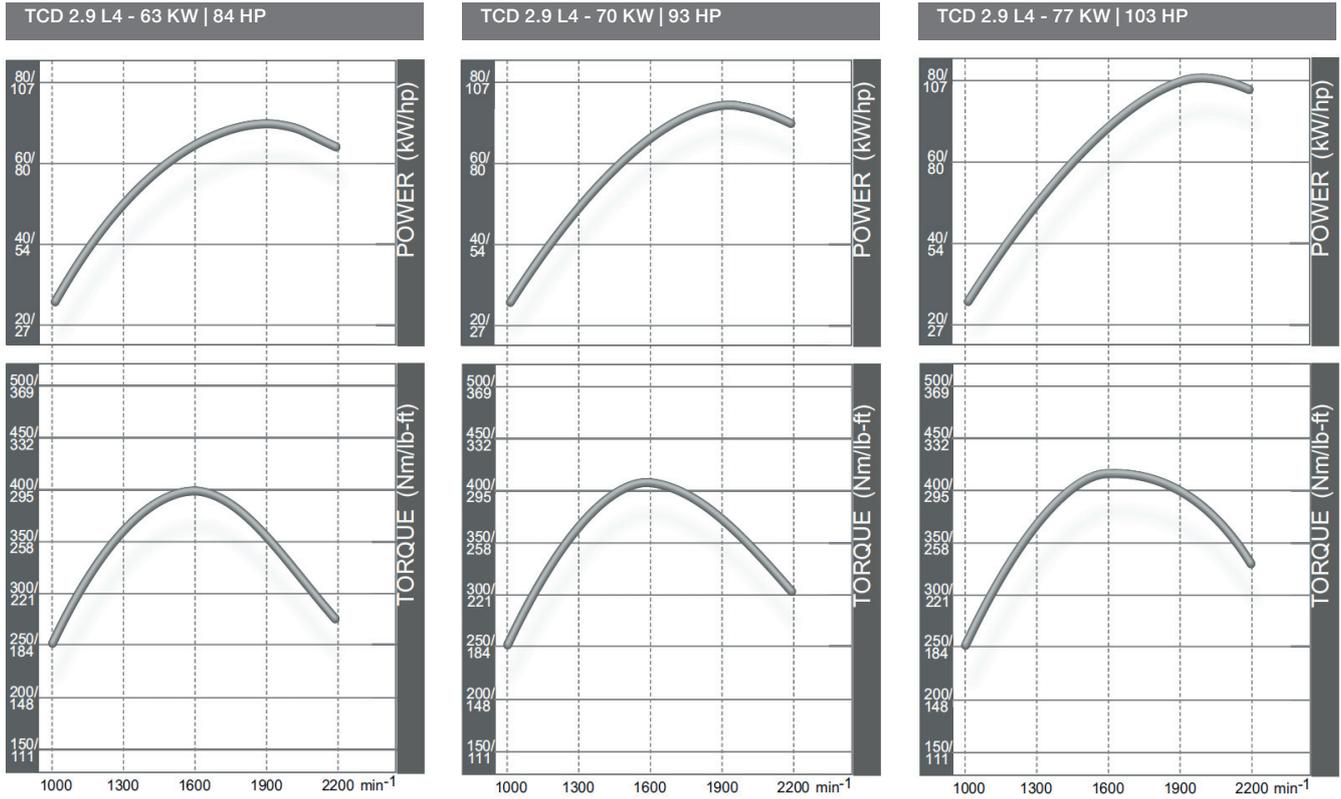
1) Power data without deduction of fan power.

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

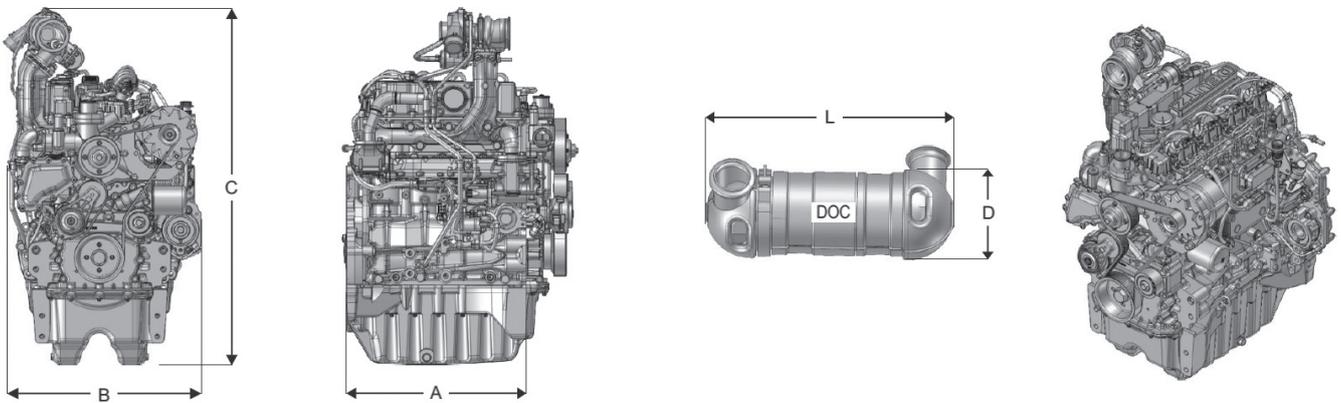
The engine company.



TORQUE CURVES



DIMENSIONS



TCD 2.9 L4	mm in	A	B	C	D	L	DVERT®-AGN DOC
		478 18.8	522 20.6	952 37.5	190 7.5	380 15	■

■ 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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