

DEUTZ TCD 7.7 L6

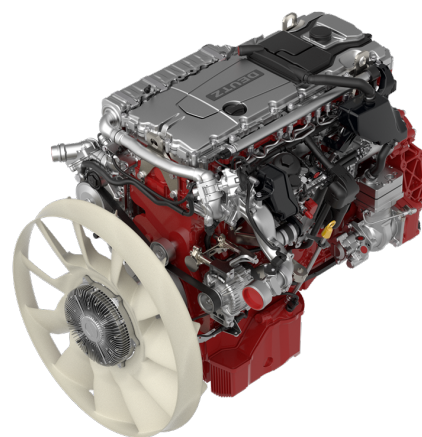
Powerful, Efficient and Compact



For mobile machinery

The T(T)CD 7.7_(OM936) series With up to 280 kW Power Output ideal for your Application.

- **POWERFUL** / Up to 280 kW & 1550 Nm
- **LOW EMISSIONS** / EU Stage V, CN IV, EPA Tier 4 & HVO ready
- **MODULAR** / Wide range of applications due to a variety of options
- **VERSATILE** / For C&I, Mining, Agriculture and Forestry applications



TECHNICAL DATA

DEUTZ T(T)CD 7.7

Engine Type	TCD 7.7		TTCD 7.7	
Cylinder configuration	6 cyl./In-line		6 cyl./In-line	
Displacement, total	l (cu in)	7.7 (470)	7.7 (470)	
Aspiration	Turbocharger with charge air cooler		Dual stage turbocharger with charge air cooler	
Bore/stroke	mm (in)	110/135 (4.3/5.3)	110/135 (4.3/5.3)	
Fuel specification	DIN EN 590 Stand 2010ff DIN EN15904		DIN EN 590 Stand 2010ff DIN EN15904	

ENGINE PERFORMANCE

Engine Type	Rated power			Peak torque			Fuel consumpt. at rated power	Fuel consumpt. at peak torque
	kW	Bhp	rpm	Nm	lb-ft	rpm		
TCD 7.7	180	241	2200	1000	738	1200-1600	196	192
TCD 7.7	195	261	2200	1100	811	1200-1600	197	192
TCD 7.7 *	210	282	2200	1200	885	1200-1600	197	192
TTCD 7.7	230	308	2200	1300	959	1200-1600	200	192
TTCD 7.7	260	349	2200	1450	1069	1200-1600	204	195
TTCD 7.7 *	280	375	2200	1550	1143	1200-1600	207	198

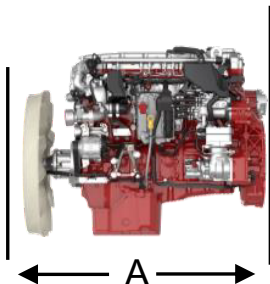
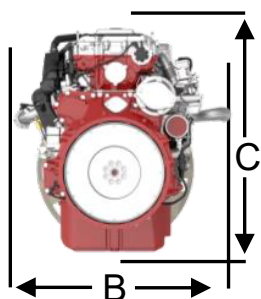
Ratings acc. to ECE R120

Emissions: Emission Flex Package (EFP) UN ECE R96 Stufe IIIA
EU Nonroad Stage V (2016/1628)

EU Nonroad St. V (2016/1628) + EPA Nonroad T4

*MSHA/CANMET certified optional with Code MDC9

DIMENSIONS



Optional equipment and finishing shown. Standard may vary

Engine Type	Weight [kg] (lbs)	Dimensions [mm]		
		A	B	C
T(T)CD 5.1	510 (1124) ¹⁾	948	860	1033

All dimensions are approximate, for complete information refer to the installation drawing.

¹⁾ DIN 70020

ENGINE EQUIPMENT

DEUTZ T(T)CD 7.7

Standard equipment	Optional equipment
24 Volt starter/generator	12 Volt starter/generator
Common rail injection system	SAE 1/3 flywheel housing
Electronic engine management	2 Aux REPTO
Electronic interface module	Air compressor
Turbo charging air to air cooling	AC compressor
High pressure EGR system	Flex engine mounts
One-box aftertreatment system with SCR/DPF/DOC incl. muffler	Elevated fan drive
Closed crankcase ventilation	Cooling fan
SAE 2 flywheel housing	Exhaust brake system

Reference conditions:

> Intake temperature: 25°C (77°F)

> Charge air temperature: 40°C

> Altitude: 200 m (656 ft)

> Air intake restriction: 25 mbar

Subject to change without notice. Customization possible. Engines illustrated in this document may feature options not fitted as standard to standard engine.

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