

DEUTZ TCD 7.7 L6

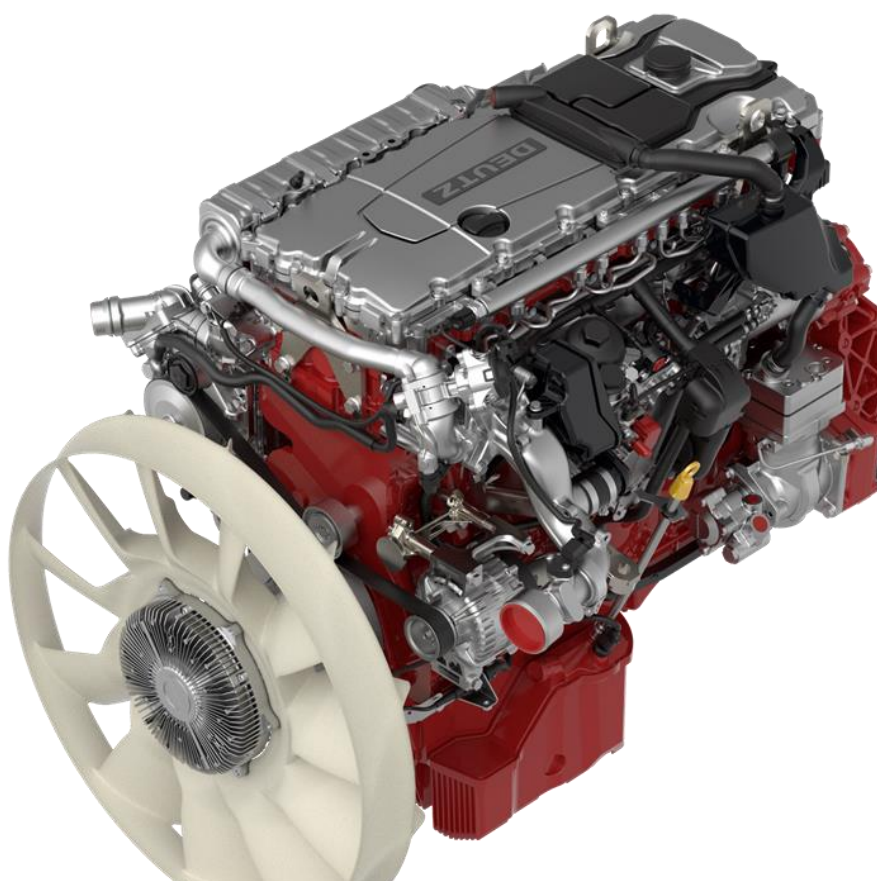
Powerful, efficient and compact.



For mobile & stationary 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



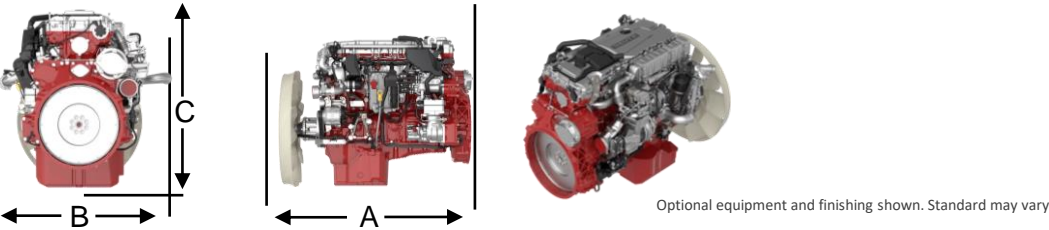
Engine Type		TCD 7.7	TTCD 7.7
Cylinder configuration		6 cyl./In-line	6 cyl./In-line
Displacement, total		l (cu in) 7.7 (470)	7.7 (470)
Aspiration		Turbocharger with charge air cooler	Dual stage turbocharger with charge air cooler
Bore/stroke		mm (in) 110/135 (4.3/5.3)	110/135 (4.3/5.3)
Fuel specification		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		
TCD 7.7	180	241	2200	1000	738	1200-1600	196
TCD 7.7	195	261	2200	1100	811	1200-1600	197
TCD 7.7 *	210	282	2200	1200	885	1200-1600	197
TTCD 7.7	230	308	2200	1300	959	1200-1600	200
TTCD 7.7	260	349	2200	1450	1069	1200-1600	204
TTCD 7.7 *	280	375	2200	1550	1143	1200-1600	207

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



Engine Type	Weight [kg] (lbs)	Dimensions [mm]		
		A	B	C
T(T)CD 7.7	672 (1481,5) ¹⁾	1067	929	1031

All dimensions are approximate, for complete information refer to the installation drawing.
¹⁾ DIN 70020



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.

