

# DEUTZ TCD 7.7 L6

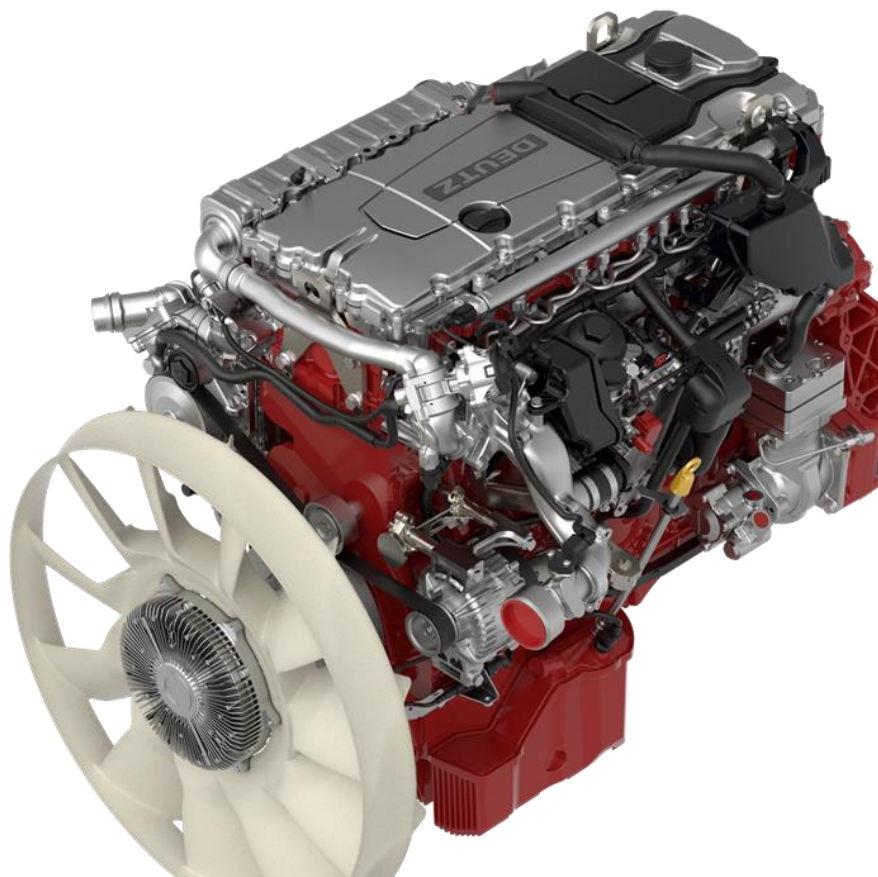
Powerful, efficient and compact.



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			rpm	Fuel consumpt. at rated power g/kWh	Fuel consumpt. at peak torque g/kWh
	kW	Bhp	rpm	Nm	lb-ft			
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

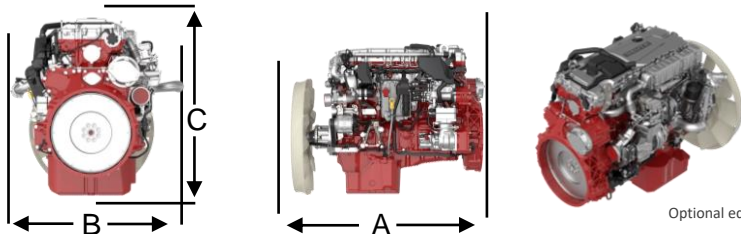
Ratings acc. to ECE R120

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 7.7	672 (1481,5) <sup>1)</sup>	1067	929	1031

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

<sup>1)</sup>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.