

DEUTZ TCD 12.8 L6

Powerful, Efficient and Compact



For mobile machinery

The TCD 12.8 (OM471) series With up to 390 kW Power Output ideal for your Application.

- **POWERFUL** / Up to 390 kW & 2600 Nm
- **LOW EMISSIONS** / EU Stage V , CN IV, 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 TCD 12.8

Engine Type		TCD 12.8
Cylinder configuration		6 cyl./In-line
Displacement, total	l (cu in)	12.8 (781)
Aspiration		Turbocharger with charge air cooler
Bore/stroke	mm (in)	132/156 (5.2/6.1)
Fuel specification		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 12.8	320	429	1600	2200	1623	1300	190	186
TCD 12.8	340	456	1600	2300	1696	1300	190	186
TCD 12.8*	360	483	1600	2400	1770	1300	192	189
TCD 12.8*	390	523	1600	2600	1918	1300	196	192

Ratings acc. to ECE R 120

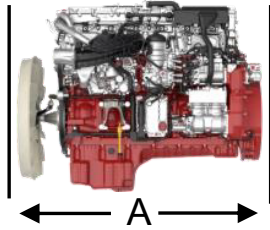
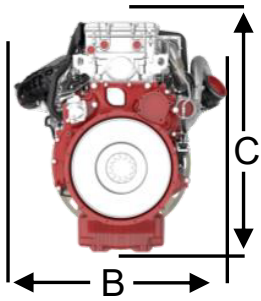
Emissions: Emission Flex Package (EFP) UN ECE R96 Stufe IIIA

EU Nonroad Stage V (2016/1628)

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

*CANMET certified optional with Code MDD0

DIMENSIONS



Optional equipment and finishing shown. Standard may vary

Engine Type	Weight [kg] (lbs)	Dimensions [mm]		
		A	B	C
TCD 12.8	1071 (2361.1) ¹⁾	1393	1043	1215

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

¹⁾ DIN 70020

ENGINE EQUIPMENT

DEUTZ TCD 12.8

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