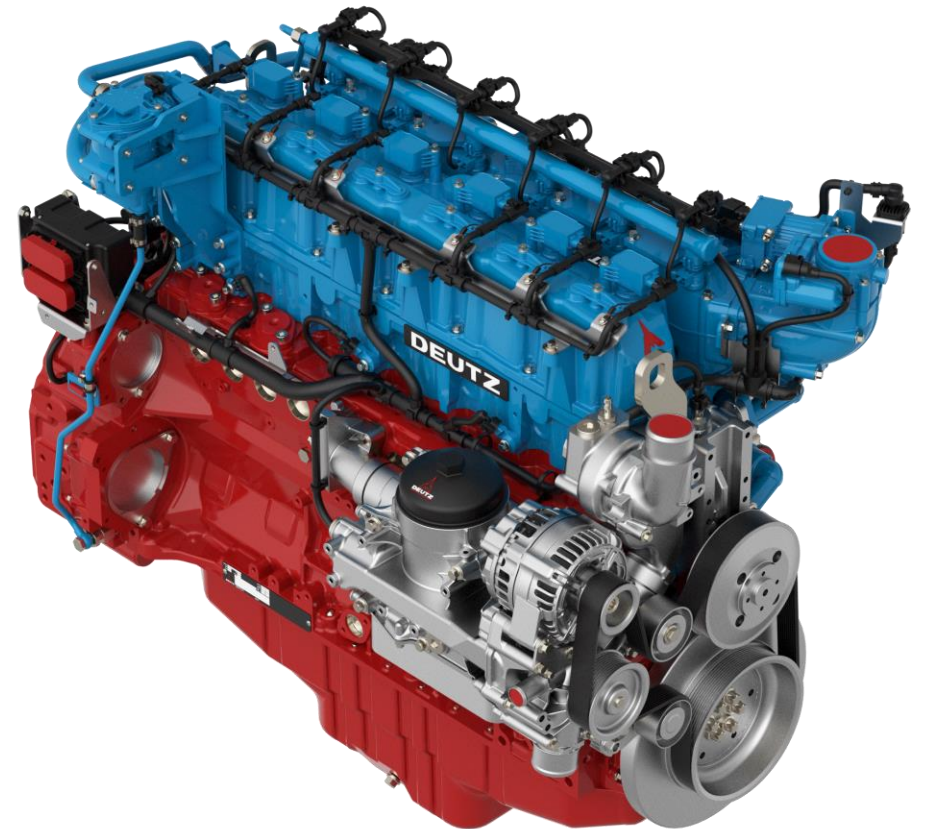


DEUTZ TCG 7.8 Hydrogen



Hydrogen-combustion engine

- Max. power: 220 kW (2200 rpm)
- Max. torque: 1000 Nm (1400 - 1600 rpm)
- Hydrogen quality: min. 98% or higher ISO 14687
- H₂ consumption: ~19 kg/h @max. power



Download our free white paper
on hydrogen engines now!

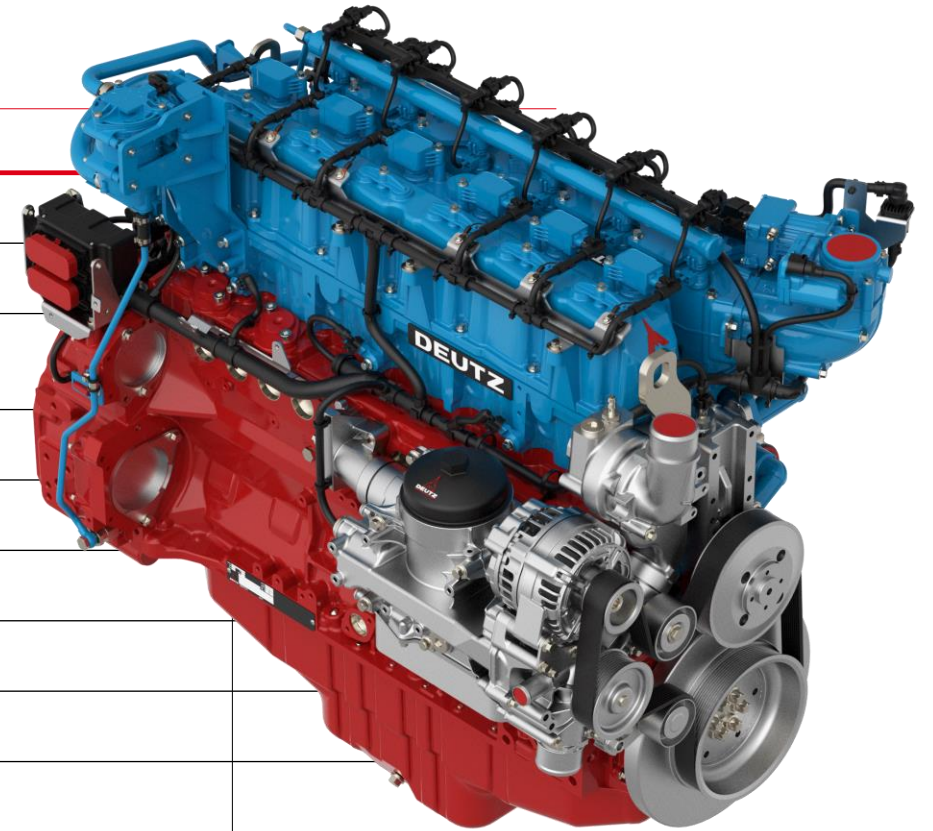
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Engine Specification

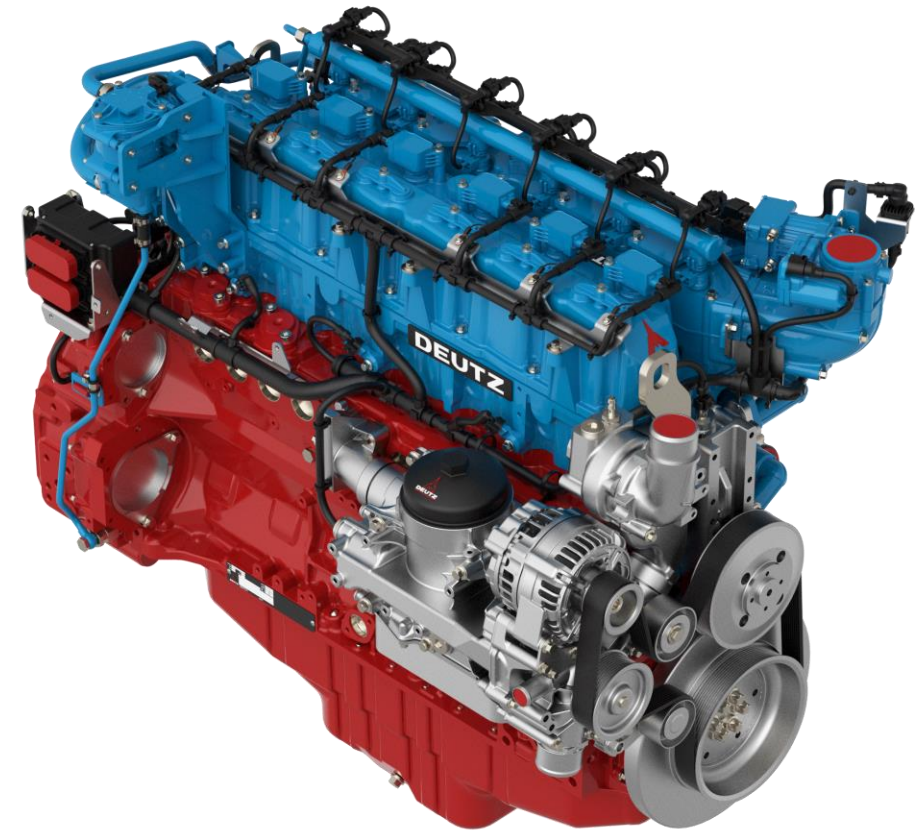
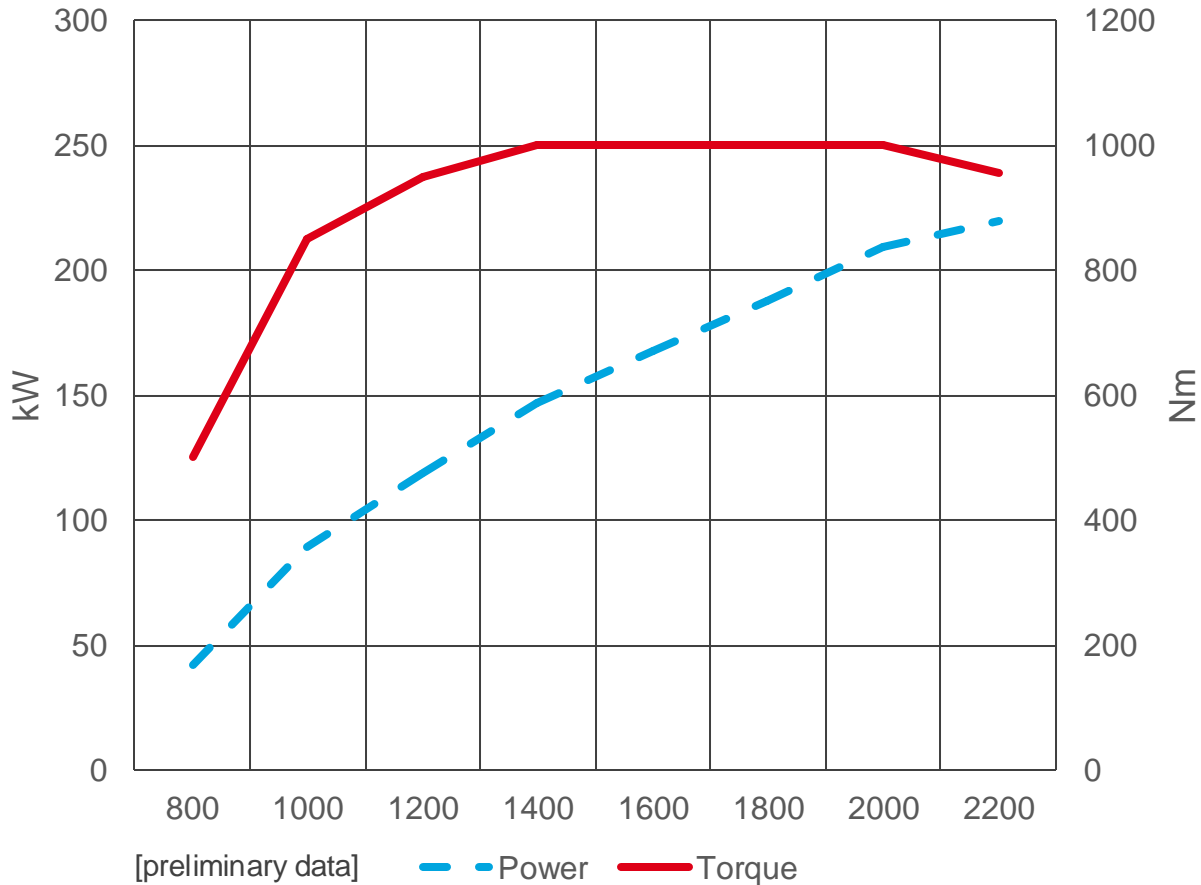
Engine Specification		TCG 7.8 H2			
No. of Cylinders		6			
Displacement	l	7,755			
Hydrogen quality	ISO 14687	min. 98 % or higher			
Pressure interface	bar	25			
Max. Power Output	kW	220			
At Speed	min ⁻¹	2200			
Max. Torque	Nm	1000			
At Speed	min ⁻¹	1400 - 1600			
H2 Consumption	kg/h	up to ~19 @max. power			



DEUTZ TCG 7.8 Hydrogen



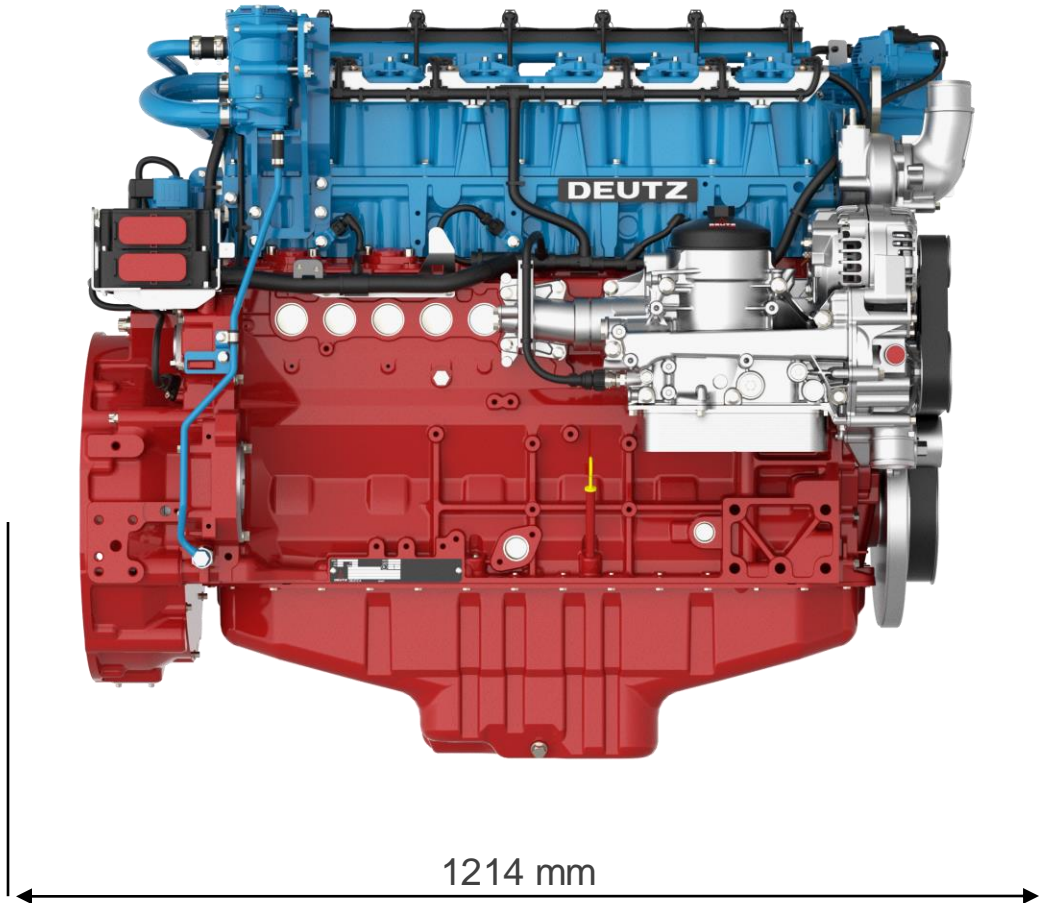
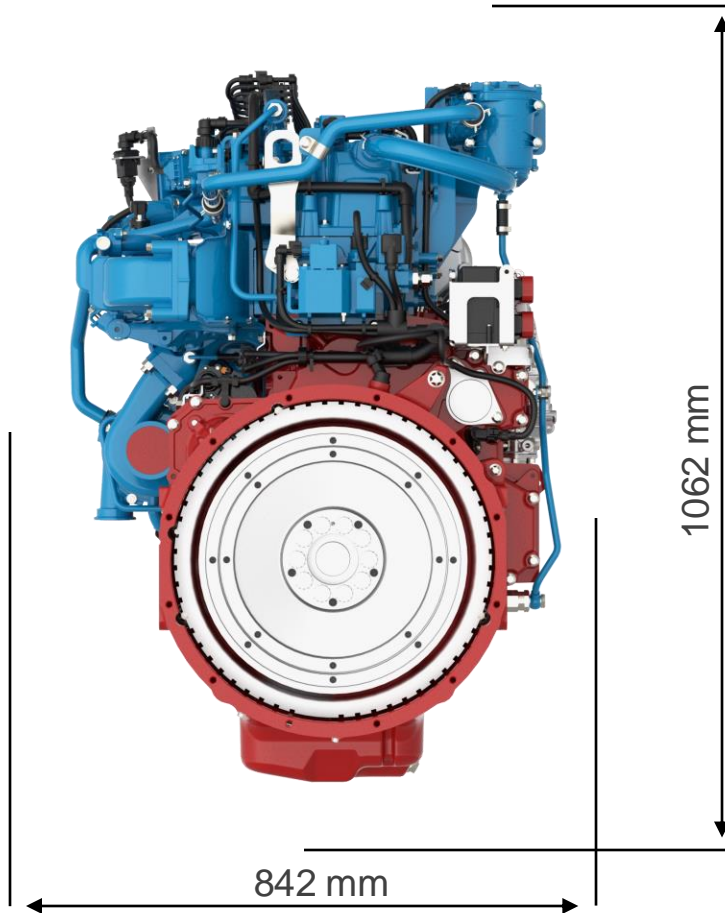
Performance (Power + Torque)



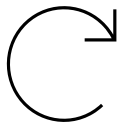
DEUTZ TCG 7.8 Hydrogen



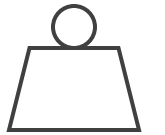
Dimensions



220 kW
2200 rpm



1000 Nm

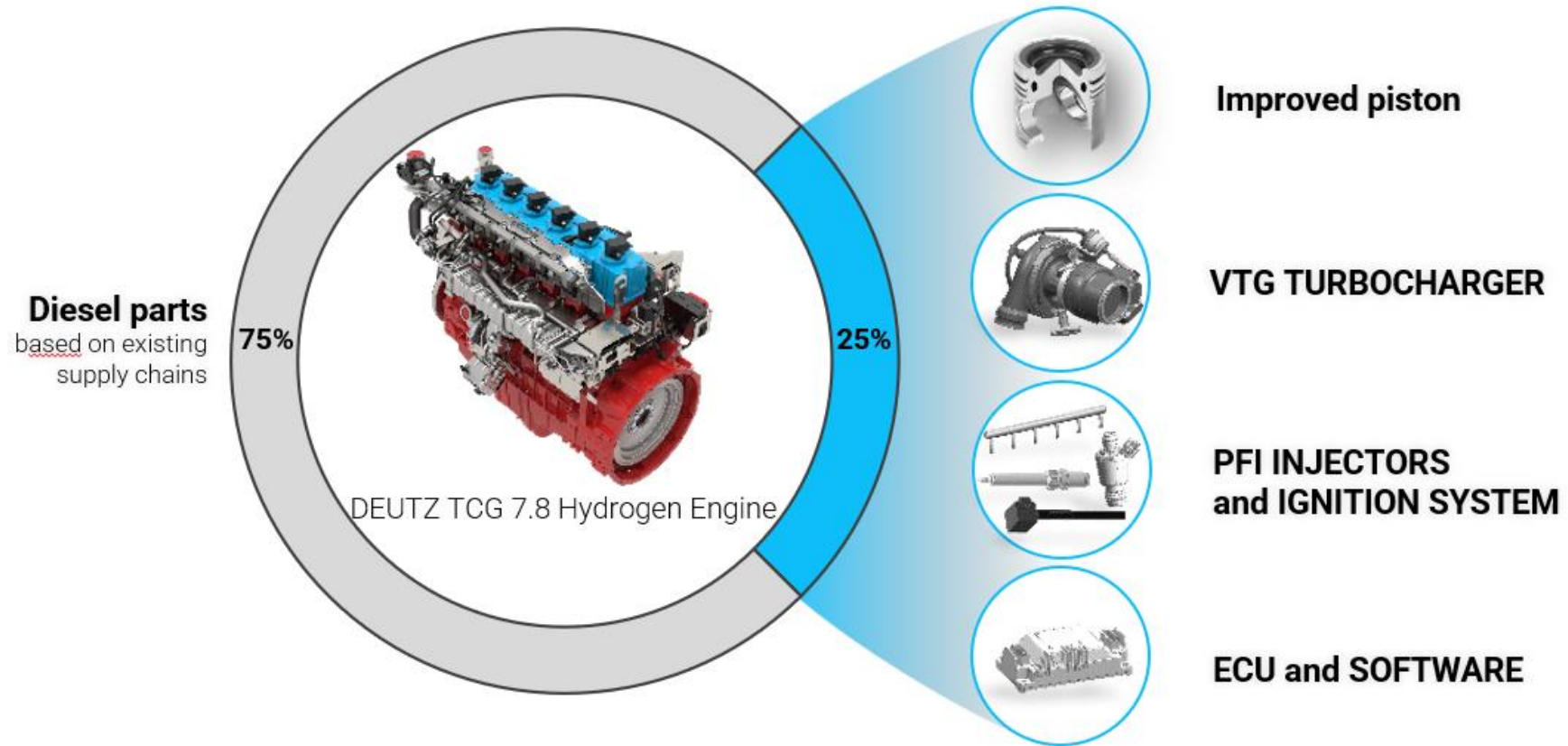


~740 kg
~90 kg EAT

DEUTZ TCG 7.8 Hydrogen



Specific Development



DEUTZ TCG 7.8 Hydrogen



Key Features

- **Energy efficient:** offers optimum energy efficiency combined with maximized dynamic response using state of the art components
- **Powerful performance:** optimal use of hydrogen through specially designed components, maximizing the power and the flexibility of use in the customer's application
- **Proven track record:** based on proven base engine technology for use in customer vehicle design and production
- **Available as of 2024 for selected applications**