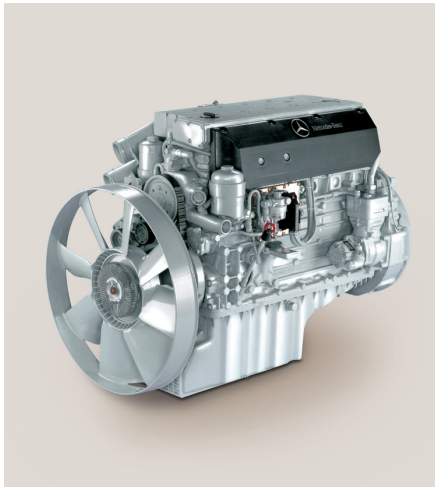


Defense

Diesel Engine 6R 106 TD21

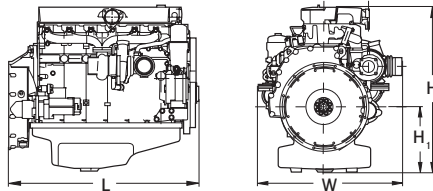
for Heavy Military Vehicles,
240 kW (325 mHP) at 2200 1/min



Dimensions and Masses

6R 106	Dimensions (LxWxH; H ₁) mm (in)	Mass, dry kg (lbs) ①
TD21	1087 x 669 x 918; 356 (43 x 26 36; 14)	555 (1224)

① In accordance with DIN70020-G



Engine version		6R 106 TD21
Bore/stroke	mm (in)	106/136 (4.2/5.3)
Displacement, cylinder	l (cu in)	1.20 (73.2)
Displacement, total	l (cu in)	7.20 (439.4)
Charging method		Turbocharged
Intercooling		Charge-air cooled
Number of cylinders		6 cylinders, inline
Cooling method		Liquid cooled
Injection method		Pump-line-nozzle, direct injection
Starting method		Electric
Lube oil system		Wet sump
Max. torque	Nm (ft lbs)	1300 (959)
Rated power	kW (hp)	240 (325)
Rated speed	rpm	2200



Power. Passion. Partnership.

Fuels

- Standard	F-54	According to Daimler fluids and lubricants specification
- Alternatives	F-34, F-63	According to Daimler fluids and lubricants specification

Other fuel types to be checked for compliance.

Lube oils

- Standard	O-236, O-1178 and further engine oils according to Daimler fluids and lubricants specification
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Other oil types to be checked for compliance.

Direction of rotation	Counterclockwise
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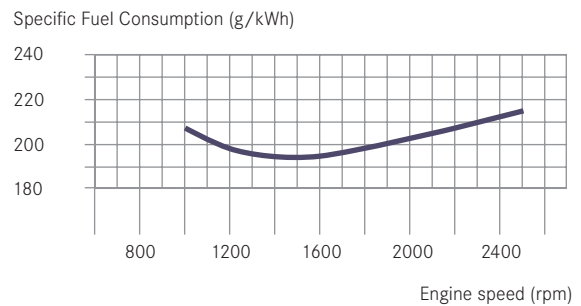
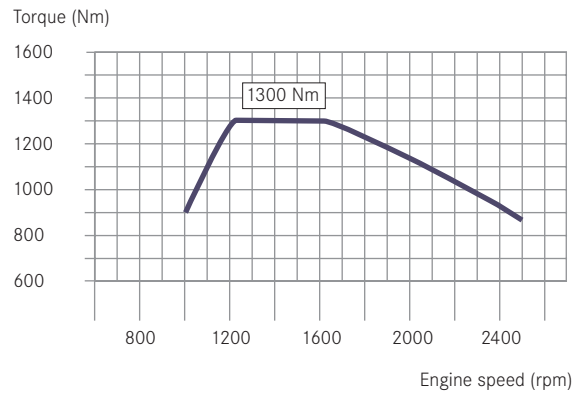
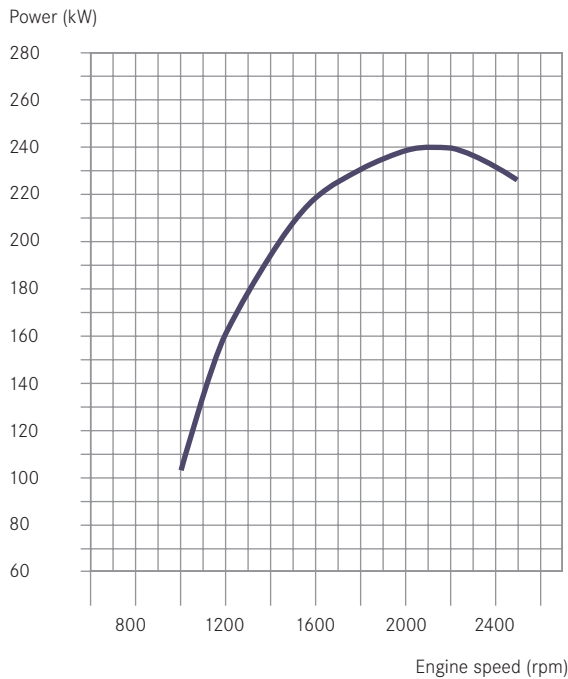
Additional information on request.

Power ratings definition: In accordance with ISO1585. Fan power not considered. Power and fuel consumption data assumes operation on standard fuel.

Inclinations: Longitudinal 45°/transverse 28°/32° with oil pan MW04 (flat version)

Environmental conditions: Engines can be operated in ambient conditions from -46°C* to 55°C.
*special start preparation required

Engine Curves



6R 106 TD21 (240 kW/2200 rpm)