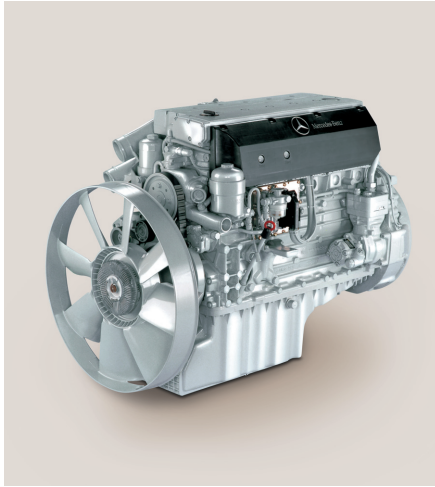


Defense

Diesel Engine 6R 106

for Light Military Vehicles,

170 - 240 kW (230 - 325 hp) at 2200 rpm, Euro III



Dimensions and Masses

6R 106

Dimensions (LxWxH; H₁) mm (in)

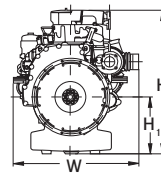
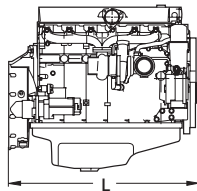
Mass, dry kg (lbs) ①

TD20/21

1053x666x898; 355 (42x26x35; 14)

530 (1168)

① Dry mass of basic engine configuration, incl. starter, generator and cabling. Oil capacity approx. 28 kg. Coolant capacity approx. 12.5 kg.



Engine version		6R 106 TD20	6R 106 TD21
Bore/stroke	mm (in)	102/130 (4.0/5.1)	106/136 (4.2/5.3)
Displacement, cylinder	l (cu in)	1.06 (64.7)	1.20 (73.2)
Displacement, total	l (cu in)	6.36 (388.1)	7.20 (439.4)
Charging method		Turbocharged	Turbocharged
Intercooling		Charge air cooling	Charge air cooling
Number of cylinders		6 cylinders, inline	6 cylinders, inline
Cooling method		Pressurized, closed-circuit liquid cooling system	Pressurized, closed-circuit liquid cooling system
Injection method		Direct injection	Direct injection
Starting method		Electric	Electric
Lube oil system		Wet sump	Wet sump
Max. torque	Nm (ft lbs)	1100 (811)	1300 (959)
Rated power	kW (hp)	205 (280)	240 (325)
Rated speed	rpm	2200	2200



Power. Passion. Partnership.

Fuels

- Standard	MIL-F-16884H	F-76,	MIL-T-83133D	F-34
- Alternatives	VV-F-800B DF-2	F-54,	VV-F-800B DF-1	F-56

Other fuel types to be checked for compliance.

Lube oils

- Standard	TL9150-063/4	0-236,	TL9150-063/4	0-1178
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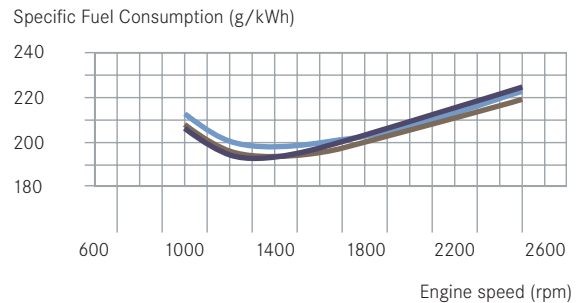
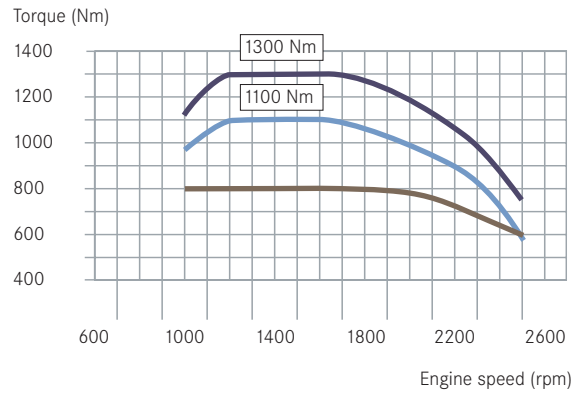
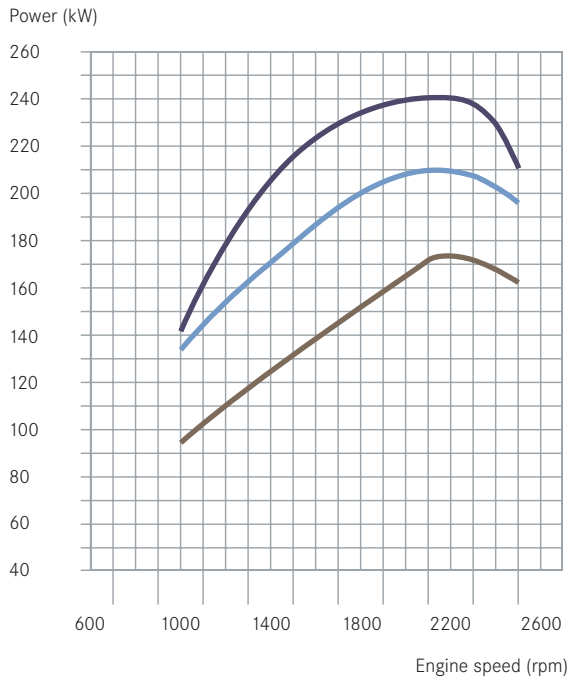
Other oil types to be checked for compliance.

Direction of rotation Counterclockwise

Additional information on request.

Power ratings definition: In accordance with ISO 1585 (fan power requirement to be deducted)
Climatic conditions: Engines can be operated under ambient temperature conditions of - 40°C to + 52°C.

Engine Curves



- 6R 106 TD21 (240 kW/2200 rpm)
- 6R 106 TD20 (205 kW/2200 rpm)
- 6R 106 TD20 (170 kW/2200 rpm)