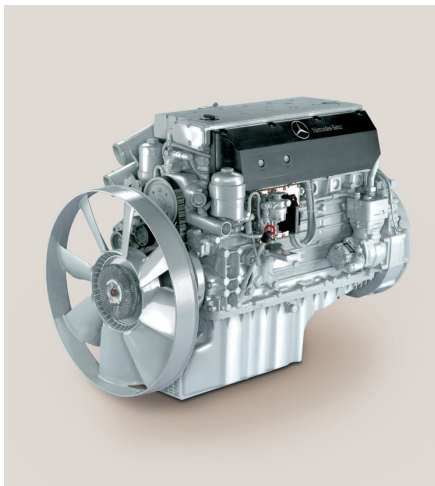


Defense

# Diesel Engine 6R 106 TD21

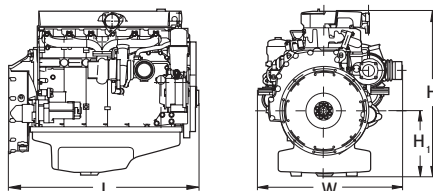
for Heavy Military Vehicles,  
240 kW (325 mHP) at 2200 1/min



## Dimensions and Masses

| 6R 106 | Dimensions (LxWxH; H <sub>1</sub> ) 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 |  |
|------------|--|--|

Other oil types to be checked for compliance.

|                       |                  |
|-----------------------|------------------|
| Direction of rotation | Counterclockwise |
|-----------------------|------------------|

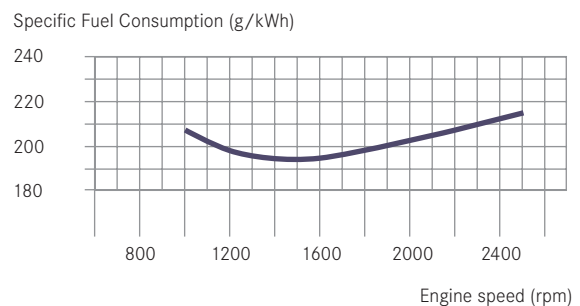
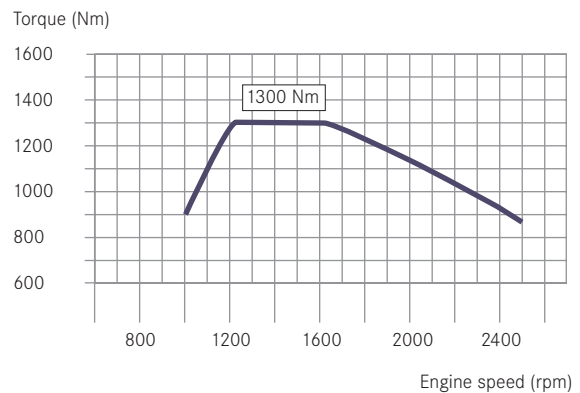
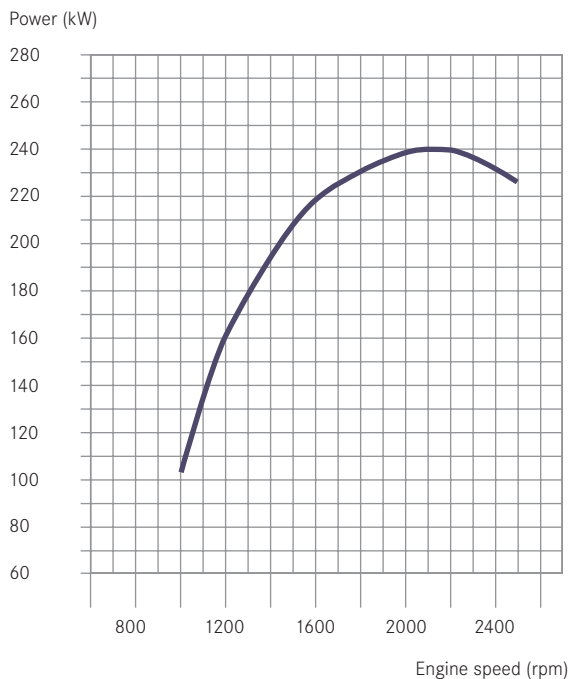
Additional information on request.

**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)