

Diesel Engine 12V 880

for Heavy Military Vehicles,

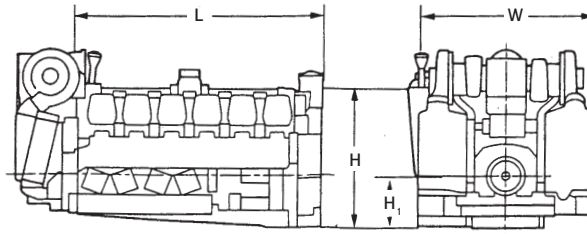
1100 kW (1497 mHP), 1325 (1802 mHP) at 2700 1/min



Dimensions and Masses

Engine	Dimensions (LxWxH; H ₁) mm (in)	Mass, dry kg (lbs) ①
MT 883	1498 x 1020 x 789; 350 (64 x 40 x 31;14)	2005 (4420)

① Fixed core engine dimensions. In accordance with DIN70020-G, incl. starter and cabling.



Engine version		MT 883 – 1100 kW	MT 883 – 1325 kW*
Bore/stroke	mm (in)	144/140 (5.7/5.5)	144/140 (5.7/5.5)
Displacement, cylinder	l (cu in)	2.28 (139.1)	2.28 (139.1)
Displacement, total	l (cu in)	27.4 (1670)	27.4 (1670)
Charging method		Turbocharged	Turbocharged
Intercooling		Charge-air cooler	Charge-air cooler
Number of cylinders		12 cylinders, V, 90°	12 cylinders, V, 90°
Cooling method		Liquid cooled	Liquid cooled
Injection method		Common rail or pump-line-nozzle, direct injection	Common rail, direct injection
Starting method		Electric	Electric
Lube oil system		Dry sump	Dry sump
Max. torque	Nm (ft lbs)	4550 (3356)	5443 (4015)
Rated power	kW (hp)	1100 (1497)	1325 (1802)
Rated speed	rpm	2700	2700
Inclinations		longitudinal ≥ 25° / transverse ≥ 20°	longitudinal ≥ 35° / transverse ≥ 35°

* projected development



Power. Passion. Partnership.

Fuels

- Standard	F-54	According to fluids and lubricants specification AL01061
- Alternatives	F-34, F-63	According to fluids and lubricants specification AL01061

Other fuel types to be checked for compliance.

Lube oils

- Standard	O-236, O-1178 and further engine oils according to fluids and lubricants specification AL01061	
------------	--	--

Other oil types to be checked for compliance.

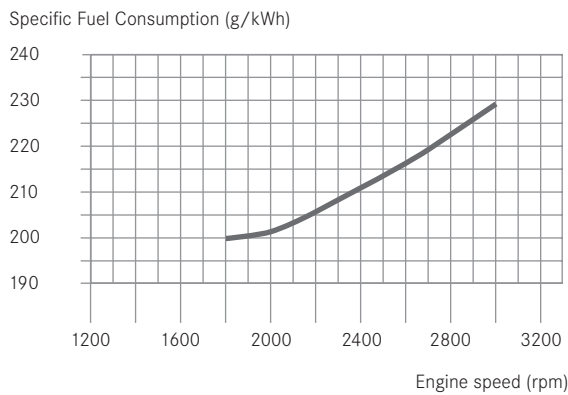
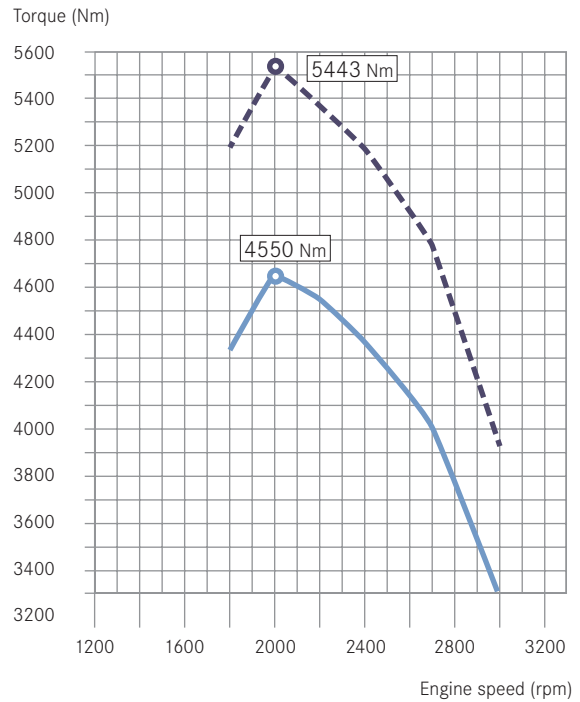
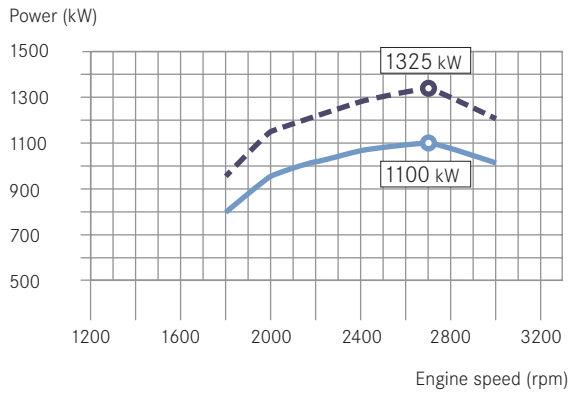
Direction of rotation	Counterclockwise
-----------------------	------------------

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.

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

Engine Curves



— 1100 kW (1497 hp)
- - - 1325 kW (1802 hp)