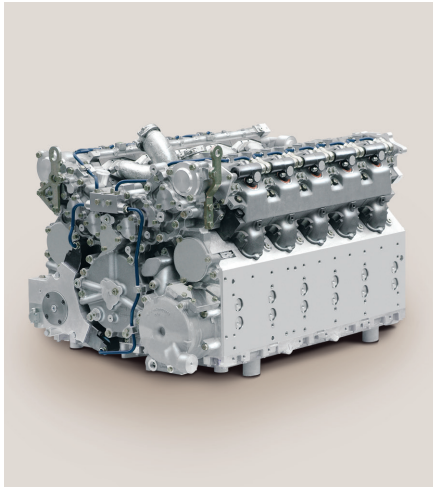


# Diesel Engine 10V 890

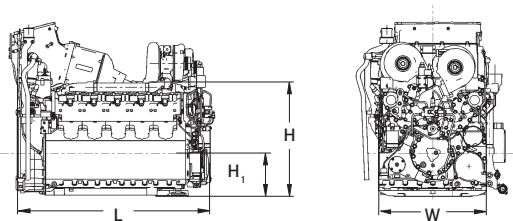
for Medium and Heavy Military Vehicles, 800 kW (1088 mHP) at 3800 1/min, 1000 kW (1360 mHP) at 4250 1/min



## Dimensions and Masses

Engine	Dimensions (LxWxH; H <sub>1</sub> ) mm (in) ①	Mass, dry kg (lbs) ①
MT 892	1090 x 700 x 686; 270 (43 x 28 x 27; 11)	980 (2161)

① Fixed core engine dimensions. In accordance with DIN70020-G.



Engine version	MT 892 Ka-501 (current design)	MT 892 Xa-500 (optimized design)*	
Bore/stroke	mm (in)	115/107 (4.5/4.2)	115/107 (4.5/4.2)
Displacement, cylinder	l (cu in)	1.11 (67.8)	1.11 (67.8)
Displacement, total	l (cu in)	11.11 (678.2)	11.11 (678.2)
Charging method	Turbocharged	Turbocharged	
Intercooling	Charge-air cooler	Charge-air cooler	
Number of cylinders	10 cylinders, V, 90°	10 cylinders, V, 90°	
Cooling method	Liquid cooled	Liquid cooled	
Injection method	Common rail, direct injection	Common rail, direct injection	
Starting method	Electric	Electric	
Lube oil system	Dry sump	Dry sump	
Max. torque	Nm (ft lbs)	2200 (1623)	2800 (2065)
Rated power	kW (hp)	800 (1088)	1000 (1360)
Rated speed	rpm	3800	4250

\* 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	
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Other oil types to be checked for compliance.

Direction of rotation	Counterclockwise
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Additional information on request.

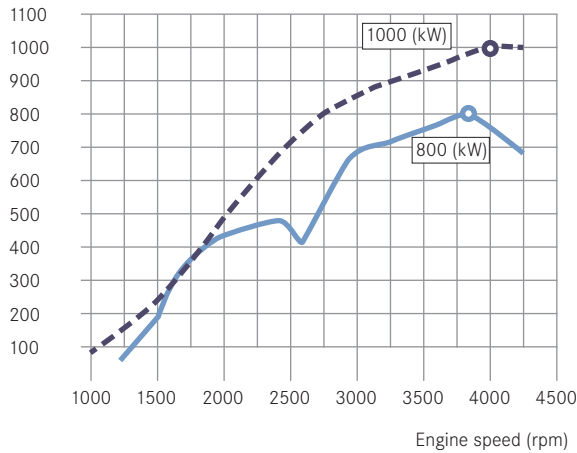
**Power ratings definition:** In accordance with ISO1585. Fan power not considered. Power and fuel consumption data assumes operation on standard fuel.

**Inclinations:** Longitudinal  $\geq 35^\circ$  / transverse  $\geq 35^\circ$

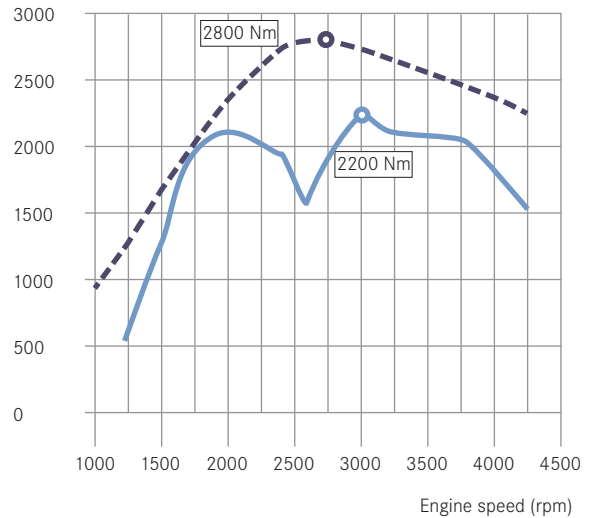
**Environmental conditions:** Engines can be operated in ambient conditions from  $-46^\circ\text{C}^*$  to  $55^\circ\text{C}$ .  
\*special start preparation required

## Engine Curves

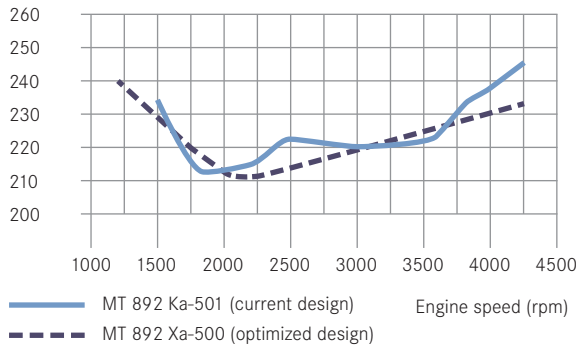
Power (kW)



Torque (Nm)



Specific Fuel Consumption (g/kWh)



— MT 892 Ka-501 (current design)  
- - - MT 892 Xa-500 (optimized design)