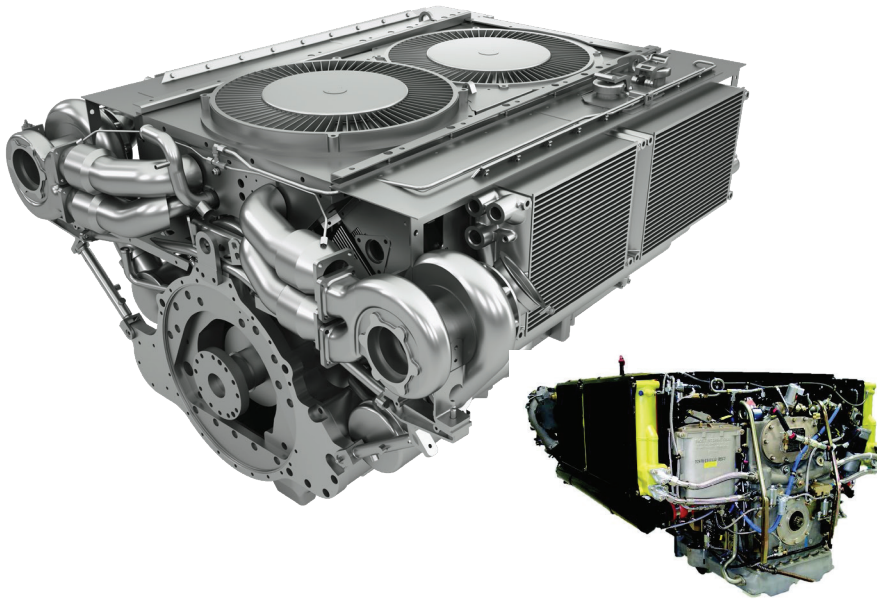


AVDS-1790 SERIES ENGINE.

For Combat Vehicles 895 kW (1200HP),
783 kW (1050HP), 700 kW (940HP).



Proven performance and reliability with more than 35,000 AVDS-1790 engines fielded.

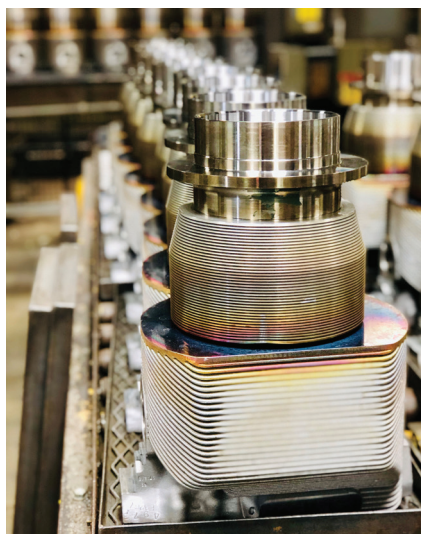
Product Features:

- > Electrical Charging: Integral gear driven 28V generator, oil cooled, optional 650 AMP or 800 AMP ratings
- > Intercooling: Engine mounted air-to-air coolers increase engine durability and efficiency
- > Cooling: Air cooled engine, specifically develop for military applications due to thermodynamics and logistics benefits, provides a complete powerpack cooling solution with minimal packaging volume needs.
- > Fuel: Mechanically governed high pressure fuel injection "pump line" system compatible with nearly of all grades of diesel fuels
- > Starting Method: 24V starter with integral low current relay switch and over voltage protection; flame heater enables -32° C starting
- > Lube/Oil System: Low profile oil pan fits in shallow hull space; dry sump enables continuous operation at 45° and 70° (horizontal & vertical inclinations

Reliable Performance & Quality

RENK America Combat Propulsion Systems is the Original Equipment Manufacturer (OEM) of the AVDS-1790 Series Engine, currently used in platforms including the M60, the M88 Recovery Vehicle, and the M48.

For over 60 years, more than 35,000 AVDS-1790 engines have been engineered, manufactured, overhauled and upgraded in Muskegon, Michigan, ensuring the highest quality and reliability to our customers. Our refined manufacturing expertise and continuous development of the AVDS-1790 Series Engine ensures CPS is the only reliable source for your AVDS Engine needs.



EMPOWERING FORCES.

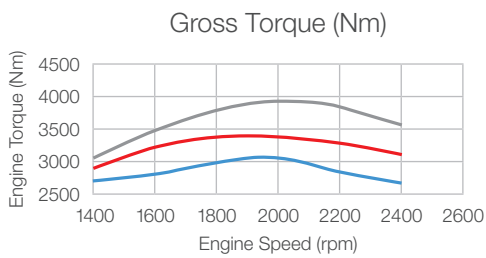
www.renk-group.com

AVDS-1790 SERIES ENGINE.

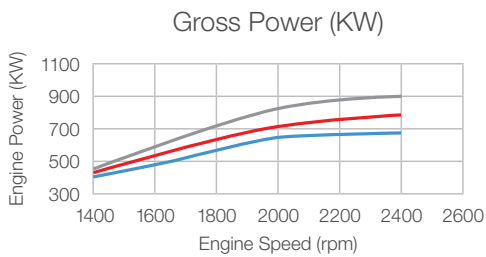


Learn more about engines for combat vehicles from RENK.
www.renk-group.com/goto/ci-edc2b4

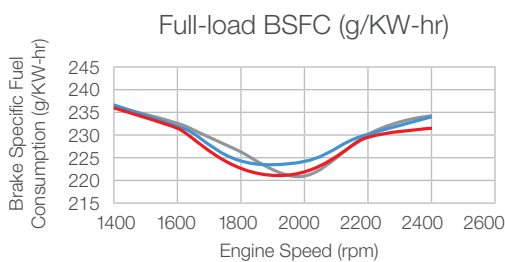
Torque



Power



Fuel Consumption

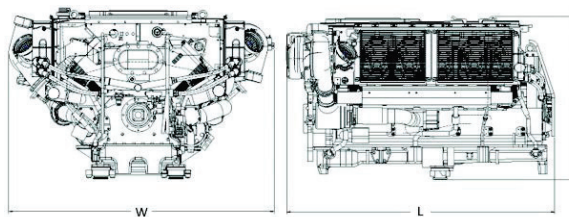


- 701 KW (940HP)
- 783 KW (1050HP)
- 895 KW (1200HP)

Technical Data

| BASIC SPECS | |
|---------------------------------|-----------------------------------|
| Bore/stroke mm (in) | 146 (5.75) |
| Displacement, Total L (cu. in) | 29.3 (1790) |
| Number of cylinders | 12 |
| DIMENSIONS & MASS | |
| Dimensions* (L x W x H) mm (in) | 1905 (75) x 1778 (70) x 1143 (45) |
| Mass, Dry Kg (lbs) | 2313 (5,100) |

* Dimensions shown are approximate. Engine layout can be adapted to the application of interest.



RENK America

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