We power freedom.

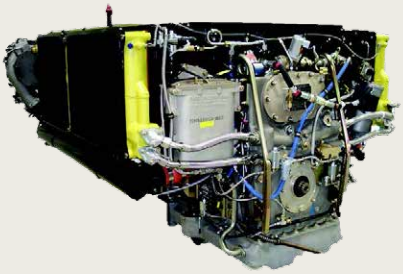
RENK

MILITARY VEHICLES ENGINES

AVDS-1790 SERIES ENGINE

- For direct fit M60 repower
- Base 750 hp upgradeable to 1,050 hp





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

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, the M48, and numerous foreign military platforms. 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.



Product benefits

- This new engine configuration is fully supported by the Original Equipment Manufacturer, (OEM) and design authority - RENK America of Muskegon, Michigan - USA.
- A product improved version of the standard M60 engine with greater durability, reliability and additional features, but with the same form, fit and function as the original engine for direct, trouble-free replacement.
- Engine changes and incorporated improvements are the result of better materials, improved Engineering designs, Customer, (Warfighter) requests and advances in tech-nology.
- For long-term sustainability and obsolescence avoidance, this design and most components are derived from the -8 series engine, which is in current production for front line, combat vehicles.
- Readily upgradeable to 1,050hp as the internal “long block” engine power components are fully developed and validated with thousands of units fielded at this power rating.

We power freedom.

RENK

AVDS-1790 SERIES ENGINE

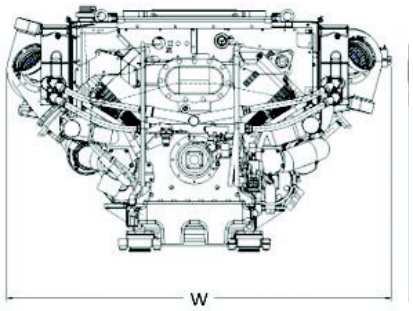
Features

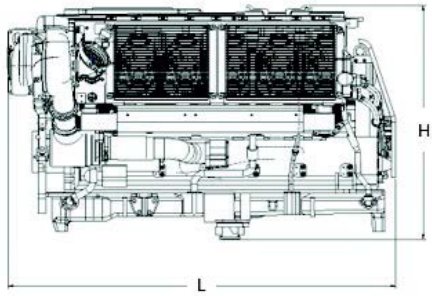
- Electrical Charging: Integral gear driven 28V generator, oil cooled, optional 650 AMP or 800 AMP ratings
- Intercooling: Engine mounted air-to-air coolers increase engine durability and efficiency
- Cooling: Air cooled engine, specifically develop for military applications due to thermodynamics and logistics benefits, provides a complete powerpack cooling solution with minmal 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

Technical data

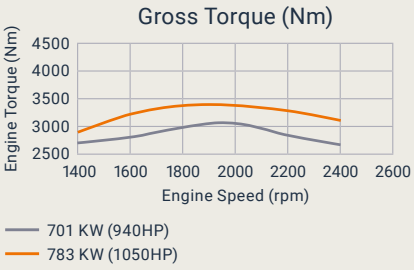
Bore/stroke	146 mm (5.75 in)
Displacement, Total L (cu. in)	29.3 (1790)
Number of cylinders	12
Dimensions* (L x W x H)	1905 (75) x 1778 (70) x 1143 (45) mm (in)
Mass, Dry Kg (lbs)	2313 (5100)

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

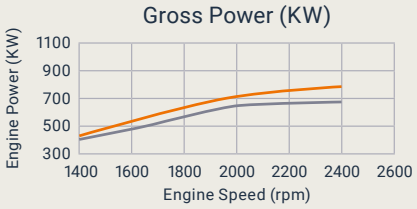




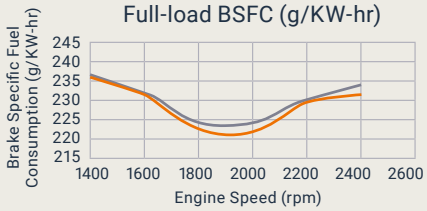
Torque



Power



Fuel consumption



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