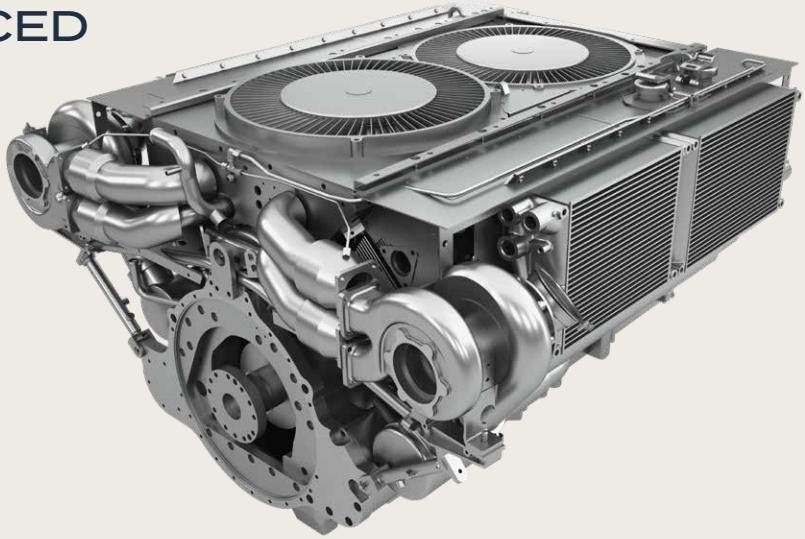
MILITARY VEHICLES ENGINES

AVDS-1790 ADVANCED ENGINE

/ FOR COMBAT VEHICLES
1007 kW (1350HP)
895 KW (1200HP)
783 kW (1050HP)
700 kW (940HP)



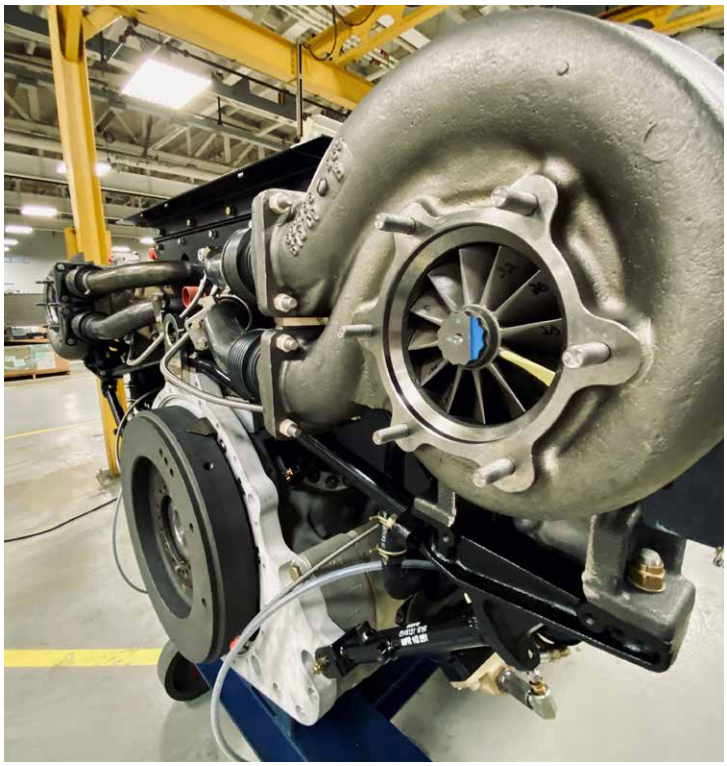
Optionally available as an upgrade package to convert exisiting AVDS-1790 engines during overhaul

More Power, Increased Reliability

The AVDS-1790 Advanced Series engine represents a transformational upgrade to a modernized configuration including advanced fuel injection technology and an embedded Health Management System (HMS).

The resultant engine includes real-time controls and diagnostics, and delivers increased horsepower and a 7X reliability improvement with a 70% reduction in lifecycle cost.

The AVDS-1790 Advanced engine provides the power required to maintain the U.S. Army's Single Vehicle Recovery (SVR) requirement for increasingly heavier combat vehicles.



We power freedom.

RENK

AVDS-1790 ADVANCED ENGINE

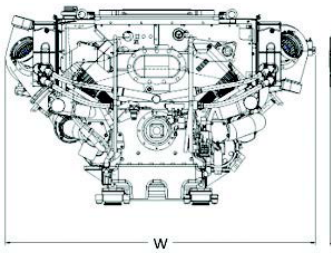
Features

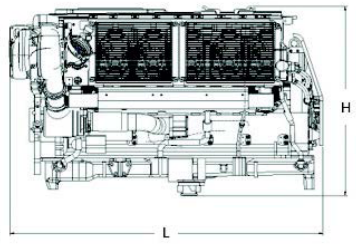
- Advanced real-time fuel injection management system
- Adapts to changing load and environmental conditions to maintain highly efficient combustion
- Increases engine life, fuel efficiency and more consistent and reliable power
- Starts more easily and reliably, particularly in cold conditions
- Lowers noise and smoke to dramatically enhance crew comfort and exposure
- Modular common rail fuel system components, sensors and actuators proven in most severe commercial applications
- State of the art controller designed specifically for combat vehicle use
- Reduce total cost of ownership through simplified logistics with worldwide depot support and AVDS-1790 compatibility
- Plug & play components without any tedious mechanical calibration or alignment
- Meets industry standards for vehicle communications and security
- Affordable & available technology

Technical data (dependent on variant)

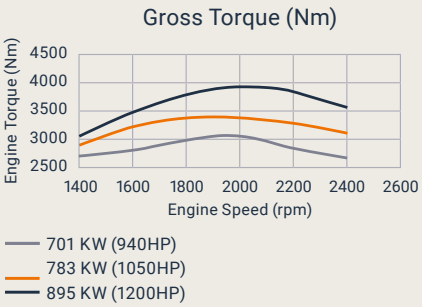
Bore/stroke	146 mm (5.75 in)
Displacement, Total L (cu. in)	29.3 (1790)
Number of cylinders	12
Rated Power 700 kW (940 hp)	**Speed** 2400 rpm
Rated Power 783 kW (1050 hp)	**Speed** 2400 rpm
Rated Power 895 kW (1200 hp)	**Speed** 2400 rpm
Rated Power 1007 kW (1350 hp)	**Speed** 2400 rpm
Dimensions* (L x W x H)	1905 (75) x 1778 (70) x 1143 (45) mm (in)
Mass, Dry Kg (lbs)	2313 (5,100)

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

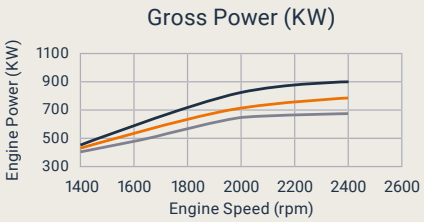




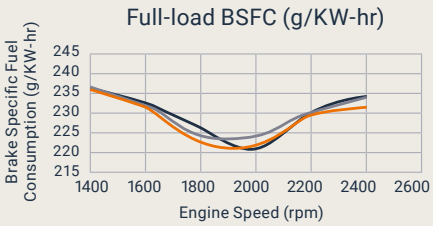
Torque



Power



Fuel Consumption



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