

Wankel Rotary Engine 80S 15BHP

Key Benefits

- Clean
- Multi-fuel
- Compactness
- Low vibration
- Long endurance
- Few moving parts
- High power-to-weight
- Low total cost of ownership
- Revolutionary cooling system



7.4 in
(189.5 mm)



Cooling System

Liquid-Cooled
Patented SPARCS*



Engine Power Output

15 bhp (11.2 kW)



Time Between Overhaul

500+ hrs



Engine Core Weight

11 lb (5 kg)



Fuel Type

AVGAS / Gasoline
Heavy Fuels

Applications



- Unmanned Ground Vehicles
- Niche Vehicles & Motorsports



- Medium/Large UAVs
- Light Aviation



- Unmanned Maritime Systems
- High-Performance Watercraft



**Advanced
Innovative
Engineering**



Advanced Innovative Engineering

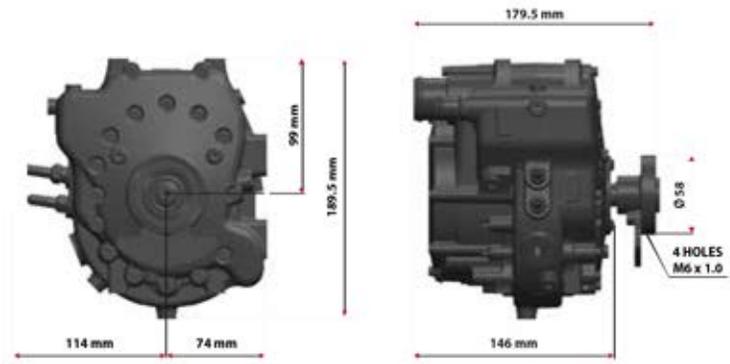
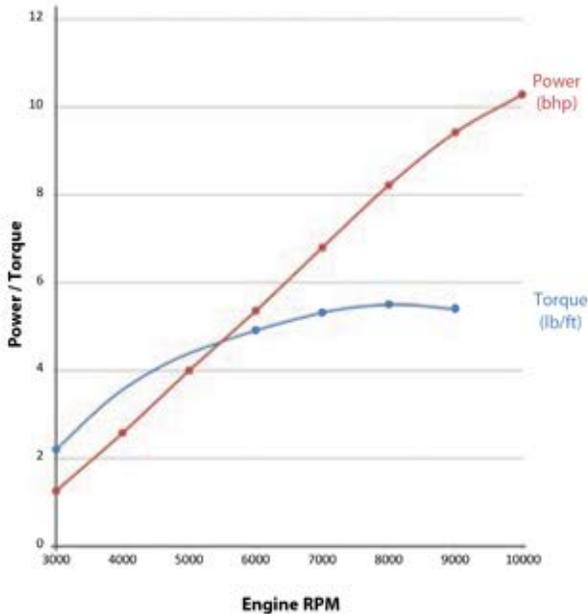
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Specification

Wankel Rotary Engine

80S 15BHP

Power / Torque vs. RPM @ WOT for 80S



Engine Type	Single Rotor
Power Output	15 bhp (11.2 kW)
Weight	11 lb (5 kg) Core Weight
Displacement	4.9 cu in (80cc)
Compression	9.6:1
Fuel Type	AVGAS / Gasoline / Heavy Fuels
Cooling System	Liquid-Cooled Patented SPARCS*
Ignition System	Twin Spark Plug
Engine Control System	Full Electronic Engine Management
Oil System	Digitally Optimised Lubrication
Configuration	Pusher / Tractor
Options	Generator / Reduction Drive

*Self-Pressurising-Air Rotor Cooling System



AIE Advanced Innovative Engineering

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