

Wankel Rotary Engine **650S 120BHP**

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



19.6 in
(498 mm)



Fuel Consumption

0.51 - 0.57 lb/hp/hr
(310 - 350 g/kWh)



Cooling System

Liquid-Cooled
Patented SPARCS*



Engine Power Output

120 bhp (90 kW)



Time Between Overhaul

500+ hrs



Engine Core Weight

62 lb (28 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**



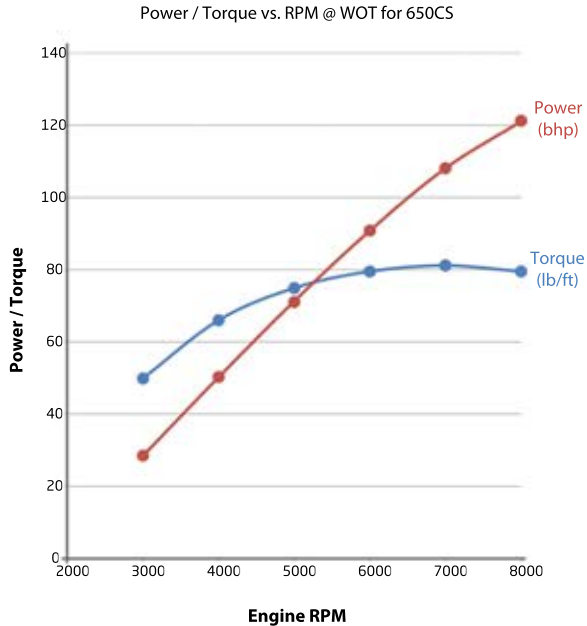
Advanced **Innovative** Engineering

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Specification

Wankel Rotary Engine

650S 120BHP



Engine Type	Single Rotor
Power Output	120 bhp (90 kW)
Weight	62 lb (28 kg) Core Weight
Displacement	40 cu in (650cc)
Torque	80 lb/ft @ 8000 rpm
Compression	9.6:1
Fuel Type	AVGAS / Gasoline / Heavy Fuels
Fuel Consumption	0.51 - 0.57 lb/hp/hr (310 - 350 g/kWh)
Cooling System	Liquid-Cooled Patented SPARCS*
Ignition System	Multiple Spark Plug / CDI
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

