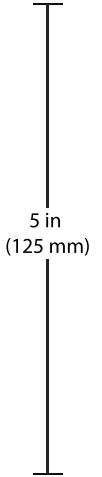


## Key Benefits

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

# Wankel Rotary Engine 40S 5BHP



### Fuel Consumption

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



### Cooling System

Liquid-Cooled  
Patented SPARCS\*



### Engine Power Output

5 bhp (3.7 kW)



### Time Between Overhaul

500+ hrs



### Engine Core Weight

4.4 lb (2 kg)



### Fuel Type

AVGAS / Gasoline  
Heavy Fuels

### Applications



- Series-hybrid Powertrains
- Automotive Range Extenders



- Small Tactical UAVs
- Hybrid Propulsion



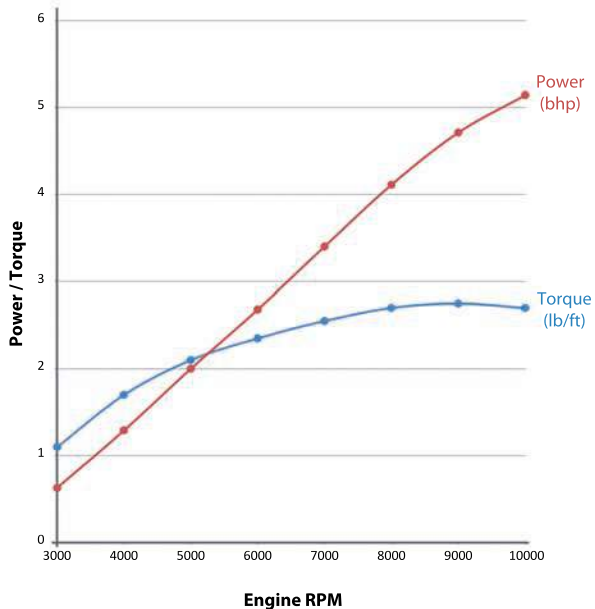
- Near-silent Watercraft
- Unmanned Surface Vehicles

# Specification

## Wankel Rotary Engine

### 40S 5BHP

Power / Torque vs. RPM @ WOT for 40S



Engine Type	Single Rotor
Power Output	5 bhp (3.7 kW)
Weight	4.4 lb (2 kg) Core Weight
Displacement	2.4 cu in (40cc)
Torque	2.75 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	Single 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

