

# Wankel Rotary Engine **40ACS 5BHP**

## 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



6.4 in  
(163 mm)



### Fuel Consumption

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



### Cooling System

Air-Cooled  
Compact 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



- Engines for Scooters
- Range Extenders for Vehicles



- Small Tactical UAVs
- Portable Power Units



- Electrical APUs
- Range Extenders for Vessels



**Advanced  
Innovative  
Engineering**



Advanced **Innovative** Engineering

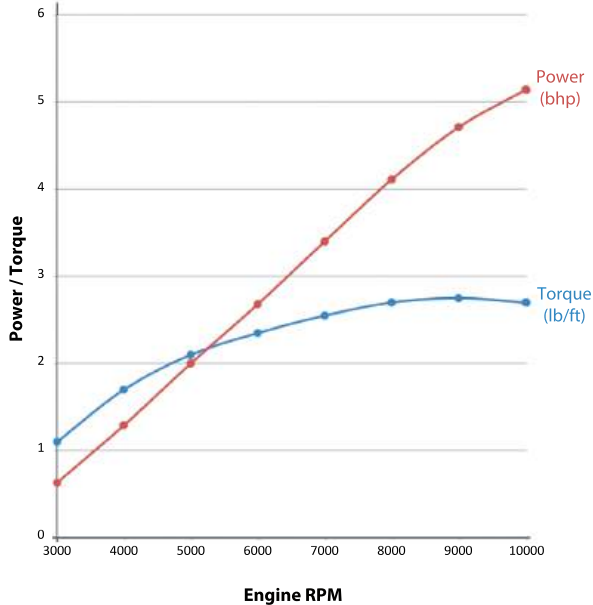
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# Specification

## Wankel Rotary Engine

### 40ACS 5BHP

Power / Torque vs. RPM @ WOT for 40ACS



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
Fuel Type	AVGAS / Gasoline / Heavy Fuels
Cooling System	Air-Cooled Compact SPARCS*
Ignition System	Single Spark Plug / CDI
Engine Control System	Full Electronic Engine Management
Oil System	Digitally Optimised Lubrication
Options	Generator / Reduction Drive

\*Self-Pressurising-Air Rotor Cooling System

