

Description

The B100i-PRX EFI twin offers UAV operators improved reliability and power, while addressing the shortcomings commonly found in 2-stroke singles. The B100i-PRX incorporates the latest engine technologies from Power4Flight, Cobra Aero and Currawong Engineering using the tried-and-true DA100 engine core from Desert Aircraft.



- Remote start capability
- Low vibration: opposed twin layout for greatly reduced primary vibration
- Reliability: four-bearing crankshaft and high rod/stroke ratio for reduced stress
- Flexibility: dedicated PTO, dual spark option, side induction
- Custom quiet exhaust
- Passed FAR33 150-hour endurance test

Contact:

Sales@power4flight.com

(541) 436-4299

Specifications

Engine Type:	Air-cooled 2-stroke twin
Displacement:	100 cc (6.1 ci)
Mass:	5.55 kg (12.25 lbs.) (includes engine, generator, mount, exhaust, sensors, cowls, intake)
Power Output:	5.0 kW (6.7 HP) at 6600 RPM
Fuel Consumption:	500 g/kW-hr (0.82 lb/hp-hr) at cruise
Generator Output:	325W (425 W intermittent) ¹
Fuel Type:	Gasoline 50:1 premix

The engine package includes

- IntelliJect EFI system
- Starter-generator
- Cobra induction and exhaust system
- Currawong self-priming fuel pump
- CDI modules
- Wire harness
- MAT and CHT sensors
- Fuel pressure accumulator
- Cooling cowls with servo driven flaps

Features

- 7 dBA quieter than stock exhaust at cruise
- Altitude compensation
- Cold start compensation
- Superior throttle response compared to a carburetor
- Integrated cooling control (IntelliJect)
- Onboard data logging, maintenance schedule and logbook
- Plug n' Play with multiple autopilots
- Free communications ICD and software developers kit for CAN and Serial
- Free user interface for engine and configuration development

