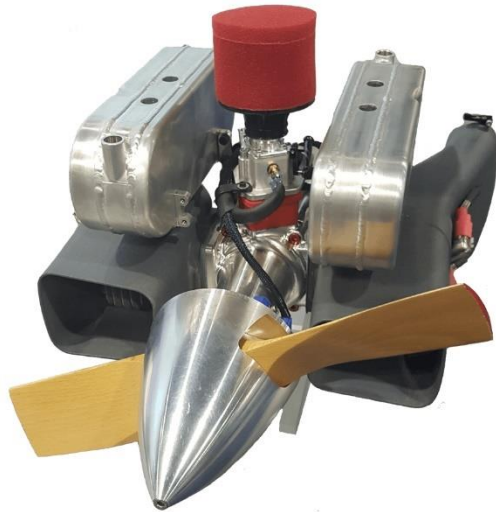


Description

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.



- 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
- Compatibility: Readily integrates with flight control systems; available with Currawong CE367 ECU or Power4Flight IntelliJect EFI

Specifications

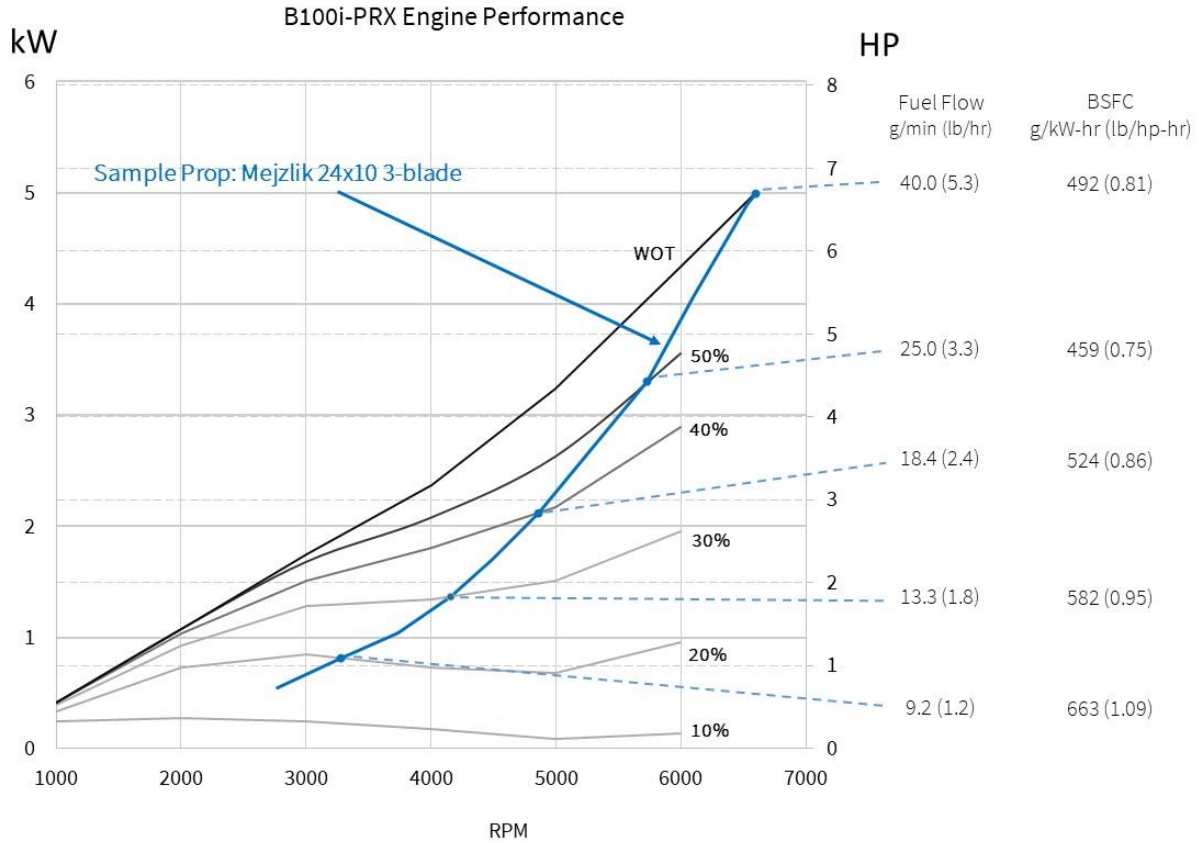
Engine Type:	Air-cooled 2-stroke twin
Displacement:	100 cc (6.1 ci)
Mass:	3.7 kg (8.2 lbs) (includes engine, exhaust, sensors, cowls, intake)
Power Output:	5.0 kW (6.7 HP) at 6600 RPM
Fuel Consumption:	500 g/kW-hr (0.82 lb/hp-hr) at cruise
Generator Output:	325W (425 W intermittent) ¹
Fuel Type:	Gasoline 50:1 premix

The engine package includes

- Cobra induction and exhaust system
- Currawong self-priming fuel pump
- CDI modules
- Wire harness
- MAT and CHT sensors
- Fuel pressure accumulator
- Choice of ECUs (CE367 or IntelliJect)

Features

- 7 dBA quieter than stock exhaust at cruise²
- Altitude compensation
- Cold start compensation
- Superior throttle response compared to a carburetor
- Integrated cooling control (IntelliJect)
- Onboard log-booking and maintenance tracking (IntelliJect)
- Onboard data logging (both ECUs)
- Plug n' Play with Piccolo Autopilot (both ECUs)
- Free communications ICD and software developers kit for CAN and Serial
- Free user interface for engine and configuration development



Coming Soon

- Integrated focal isolation mount
- Starter generator
- Active cooling control

1 – Sullivan S676-400C-06V output at 2500 RPM; 1200W continuous / 1600W intermittent at 7500 RPM.
2 – 4000 RPM (1350W) with Mejzlik 24x12W 3-blade propeller