

5100A Aero Engine - 180HP



Purpose Designed Aircraft Engines

Australian Designed & Manufactured

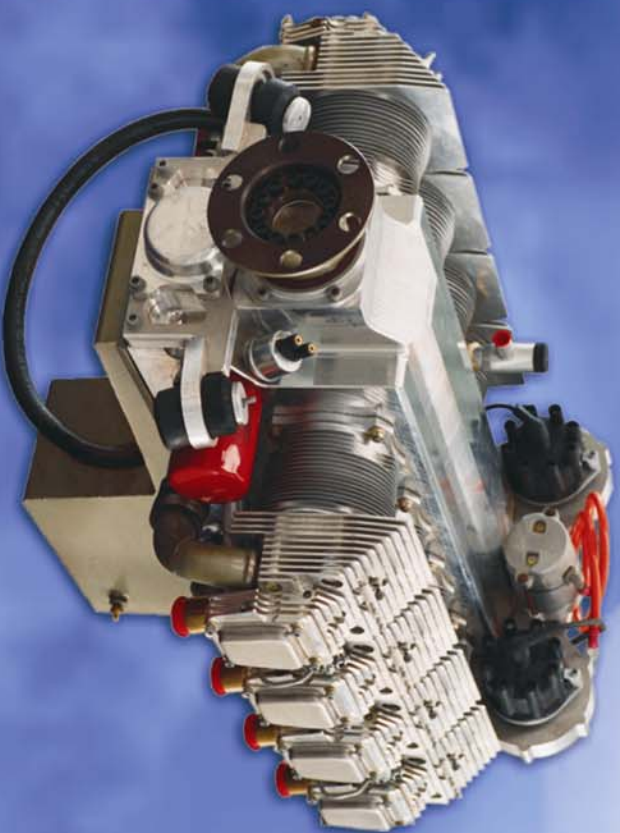


Design Philosophy

It is said that "Aircraft are designed around available engines".

The Jabiru range of very light engines now offer new opportunities for light aircraft designers, to develop the new generation of light aircraft. These are engines specifically designed by aircraft designers for aircraft applications & manufactured to exacting aeronautical production quality standards from high quality billet materials. Components are machined using the very latest computer numerical controlled (CNC) machined tools. All components are measured on highly accurate computerised measuring equipment with accuracy down to 2 microns.

Jabiru engines have been produced since 1992 & have developed a reputation as highly reliable, high quality engines. They incorporate simple design features which, together with realistic part prices and high times between overhaul (TBO), support low maintenance costs.



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in 40 Countries World Wide

Description

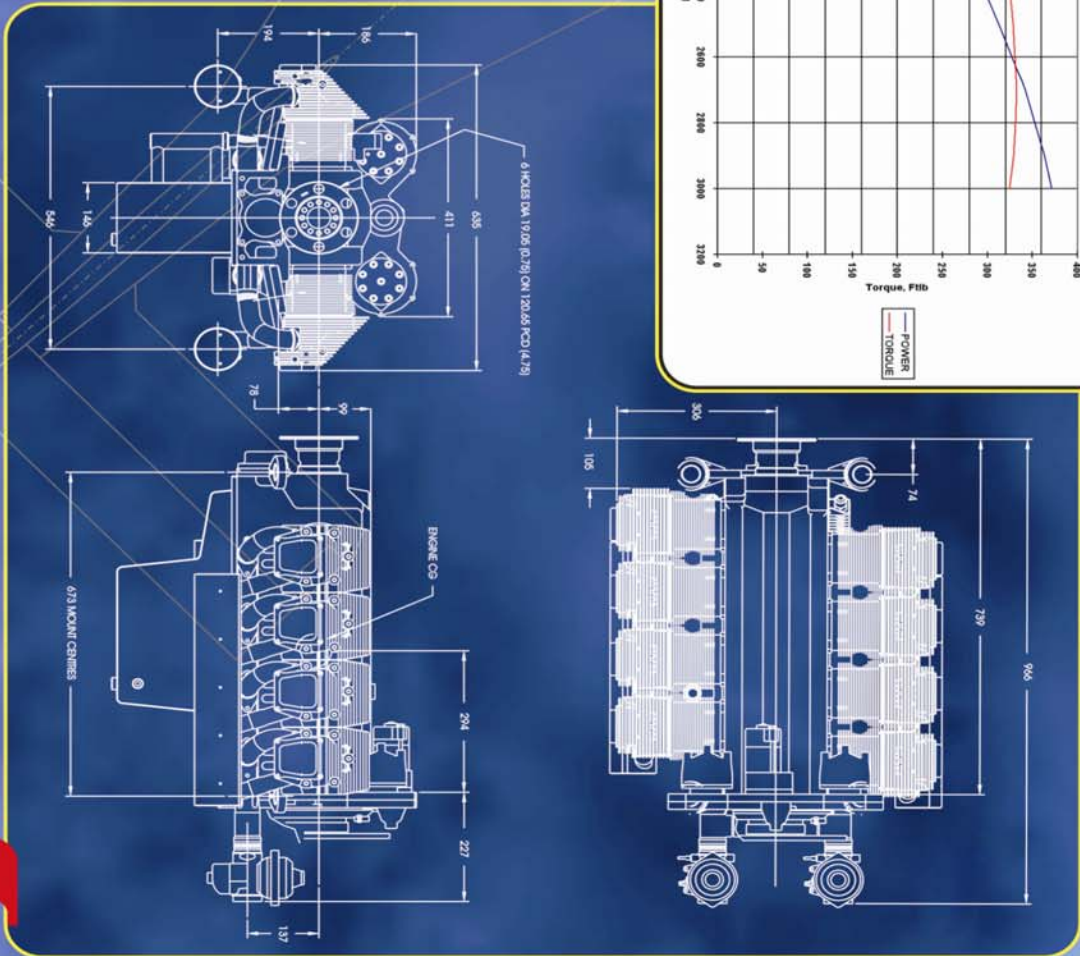
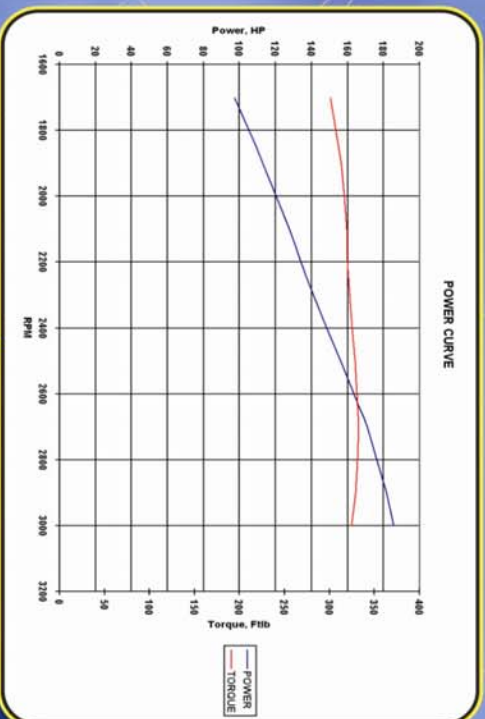
- 4 Stroke
- 8 Cylinder Horizontally Opposed
- 1 Central Camshaft
- Fully Machined Aluminium Alloy Crankcase
- Over Head Valves (OHV) - Push Rod Operated
- Ram Air cooled
- Wet Sump Lubrication
- Direct Propeller Drive
- Dual Transistorised Magneto Ignition
- Integrated AC Generator
- Electric Starter
- Mechanical Fuel Pump
- Naturally Aspirated - 2 Pressure Compensating Carburetors
- Pusher & Tractor Exhaust Systems Available
- 10 Bearing Crankshaft

* Retrofit & installation packages are available for many different light aircraft types.
 Visit our website or contact your Jabiru dealer for information.

Specifications

- Displacement** : 5077 cc (310 cu.in.)
- Bore** : 97.5 mm
- Stroke** : 85 mm
- Compression Ratio** : 8.5:1
- Direction of Rotation** : Clockwise - Pilot's view - Tractor Applications
- of Prop Shaft** : 120 kg (264 lbs) Complete including Exhaust, Carburetor, Starter Motor, Alternator & Ignition System
- Ramp Weight** : 25° BTDC
- Ignition Timing** : 1 - 5 - 8 - 3 - 2 - 6 - 7 - 4
- Firing Order** : 170 hp @ 2700 rpm continuous
- Power Rating** : 180 hp @ 3000 rpm intermittent
- Fuel Consumption @ 75% power **** : 36 l/hr (9.43 US gal/hr)
- Fuel** : AVGAS 100/130
- Oil** : Aeroshell W100 or Equivalent
- Oil Capacity** : 5.5 l (5.8 quarts)
- Spark Plugs** : NGK D9EA - Automotive

* Engine specifications may be subject to change at any time.
 ** Fuel consumption will vary depending on installation, propeller & power settings



Your Authorised Jabiru Distributor

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www.jabiru.net.au

