



# Aircraft Engines

## General Engine Description

- 4-Stroke
- Horizontally-Opposed
- Direct-Drive
- One Central Camshaft
- Machined Aluminum-Alloy Crankcase and Cylinder Heads
- Steel Cylinder Barrels
- Overhead Valves with Hydraulic Lifters
- Ram-Air Cooled
- Wet-Sump Lubrication
- Dual Transistorized Magneto Ignition
- Integrated 20-Amp Alternator
- Electric Starter
- Mechanical Fuel Pump
- Naturally-Aspirated Pressure-Compensating Carburetor



The Jabiru brand of very light engines were specifically designed by aircraft designers for aircraft applications. They are manufactured to exacting aeronautical production quality standards from high quality billet materials. Components are machined using the very latest computer numerical controlled (CNC) machine tools. All components are measured on highly accurate computerized measuring equipment with accuracy to 2 microns.

Jabiru engines have been produced in Australia since 1992, with more than 6,000 in operation around the world and many in the demanding flight school environment. They incorporate simple design features, which together with realistic part prices and high times between overhaul, support low maintenance costs. Jabiru engines are currently available in two models: the 85-horsepower, 4-cylinder 2200 and the 120-horsepower, 6-cylinder 3300.

Since 2000, **Jabiru USA Sport Aircraft, LLC** has served as North America's largest distributor of Jabiru engines and airframe kits. We design and manufacture firewall-forward kits for a large variety of experimental and Light-Sport aircraft. Our licensed aircraft and powerplant mechanics provide full service and support for Jabiru engines and our own US-built Jabiru Light-Sport Aircraft in Shelbyville, Tennessee. In addition, we offer periodic Engine Installation and Maintenance Seminars that are open to all aircraft builders, owners, and mechanics with an interest in Jabiru engines.



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For more information, visit [www.usjabiru.com](http://www.usjabiru.com) (Jabiru USA)  
and [www.jabiru.net.au](http://www.jabiru.net.au) (Jabiru Aircraft PTY LTD)

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### Jabiru Engines Include:

Starter with Solenoid  
Alternator  
Magnetos  
Bing Carburetor  
Voltage Regulator/Rectifier  
Muffler (several configurations avail.)  
Prop Hub and Drive Bushings  
Rubber Engine Mount Pads  
Fiberglass Cooling Plenums  
Oil Cooler Adapter  
Misc. Installation Hardware  
Installation, Maintx, & Parts Manual CD



Jabiru USA designs and manufactures firewall-forward engine installation kits for a variety of experimental aircraft. Kits generally include the following: Engine mount & hardware, fiberglass cowl, oil cooler, oil recovery system, carb heat, throttle, choke, airbox, spinner & Sensenich propeller.

Engine Specifications	2200	3300
No. of Cylinders	4	6
Displacement	2200 cc (134 cu. in.)	3300 cc (201 cu. in.)
Bore	97.5 mm	97.5 mm
Stroke	74 mm	74 mm
Compression Ratio	8:1	8:1
Ramp Weight (Including exhaust, carburetor, starter, alternator, ignition, voltage regulator)	141 lbs	184 lbs
Power Rating	85 hp @ 3300 rpm	120 hp @ 3300 rpm
Fuel	100LL or 91+ octane auto	100LL or 91+ octane auto
Oil Capacity	2.2 qts	3.7 qts
Spark Plugs	NGK D9EA automotive	NGK D9EA automotive
Firing Order	1-3-2-4	1-4-5-2-3-6

**Popular Jabiru Installations:**

- Zenith 701, 750, 601 & 650
- Rans S-19, S-7S, S-6
- Kitfox IV and VII
- Sonex (kit supplied by Sonex)
- Titan Tornado
- Just Aircraft Highlander
- Europa
- Many more...

*We work with aircraft designers and builders to create new Jabiru installations and FWF kits. If your design is not listed here, call us for more information.*

