

# THE JABIRU CALYPSO



## PERFORMANCE AND SPECIFICATION FOR THE JABIRU CALYPSO MICROLIGHT AIRCRAFT KIT

<b>Engine</b>	Jabiru 2200cc 85hp
<b>Engine Noise Level</b>	62 dB at full power at 1,000ft
<b>Propeller</b>	2 Blade fixed pitch 60" dia. x 40" pitch
<b>Height</b>	2013mm (6'7")
<b>Length</b>	5640mm (18'6")
<b>Cabin Width</b>	
	Hip 965mm (38")
	Elbow 1041mm (41")
	Shoulder 1067mm (42")
<b>Wing Span</b>	9398mm (30'10")
<b>Wing Area</b>	9.31 sqm (100 sq.ft)
<b>Wing Loading</b>	
	Empty 26 kg/m <sup>2</sup> (5.32 lbs/sq.ft.)
	Gross 48 kg/m <sup>2</sup> (9.90 lbs/sq.ft.)
<b>Aspect Ratio</b>	9.50
<b>Speeds:</b>	
Vne (never exceed)	116kts (134mph)
Va (max manoeuvre)	92kts (106mph)
Cruise 75% power	95kts (109mph)
Max. straight and level	113kts (130mph)
<b>Stall Speeds at</b>	
<b>Gross Weight:</b>	
	Vs (full flap) 34kts (39mph)
	Vso (clean) 38kts (44mph)
<b>Climb Rate</b>	1000 ft/min at MAUW
<b>Service Ceiling</b>	15,000ft
<b>Empty Weight</b>	(Typ) 255kg(561 lbs)
<b>Gross Weight</b>	450kg (990 lbs)
<b>Useable Load</b>	195kg (429 lbs)
<b>Structural Loading</b>	+9g -3.3g ultimate
<b>Fuel Capacity</b>	65 lts. (14.3 gals)
<b>Range</b>	450nm (518sm)
<b>Endurance</b>	4½ hrs (incl. reserve)
<b>Fuel Consumption</b>	14 to 15 lts/hr (3 gals/hr)
<b>at Cruise (75% power)</b>	or 35 mpg.
<b>Take Off Distance</b>	Ground roll 100m (328ft)
<b>Landing Distance</b>	Ground roll 160m (525ft)
<b>Glide Ratio</b>	18:1
<b>Crosswind</b>	14kts (demonstrated)
<b>Component</b>	



- ➔ Fast, easy to assemble kit
- ➔ Nearly all components pre-manufactured
- ➔ Everything supplied except for paint and upholstery
- ➔ More aeroplane for your money
- ➔ Big aeroplane handling
- ➔ Cruise at 95kts burning 14-15 litres per hour or
- ➔ Economy cruise at 67kts burning only 3 litres per hour
- ➔ Most examples completed and flying
- ➔ Very quiet, very smooth and very comfortable

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AIRCRAFT AVAILABLE FROM  
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### ***The Jabiru Calypso UL Microlight aircraft kit.***

We see the Jabiru Calypso as a go anywhere distance crunching aircraft which is very economical to run and with reliability proven in the 2 seater aircraft which has been flying now for 15 years. Low maintenance fibreglass construction means less time in the workshop and lower outgoings at permit renewal time. The engine is a purpose-built horizontally opposed air cooled four cylinder power unit with dual ignition systems. It is direct drive, fitted with a silencer and provides smooth quiet effortless power for minimal cost.

### ***Why go for a Jab?***

- Fibreglass construction hence no potential long term corrosion or stress cracking issues
- More mph for your ££ than any other microlight.
- World speed record holder for 3 axis microlights.
- Performance figures are for proven in customer aircraft rather than 'test' aircraft.
- Proven direct drive 85bhp Jabiru 2200 engine with realistically priced spares.
- More weight margin in the UL than other 'fast' microlights hence no risk of finding out you've built a group A aircraft!
- Quietest microlight available due to Jabiru direct drive engine and Fibreglass construction. Can fly without headphones!

### ***Approval Status***

The Calypso (or UL) is already approved and flying in many countries throughout the world. Globally over 622 aircraft (kits and ready built) have been sold with over 120 examples flying in the UK.

### ***Building a Jabiru Calypso***

Typical build effort is between 450 and 550 man-hours. Aircraft have been built in as little as 3 months with 6 months being typical for a concerted involvement. Some builders enjoy the build experience and go on to build a second aircraft! Only simple tools are necessary, although we suggest a Dremel, a heavy-duty pop riveter, a digital weighing scales and carborundum jigsaw blade.

### ***Delivery***

From initial deposit payment to shipping is normally 2 - 3 weeks. Shipping by sea freight 6 weeks. Delivery to a UK mainland address is included within the above prices using a crane equipped lorry.

### **ST Aviation Limited**

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Note: The product specifications and details above are generally descriptive of the product and were correct at the time of printing. In accordance with Jabiru's policy of continued product improvement we reserve the right to vary specifications and details at any time. The above time scales may vary and are indicative only. Pricing is correct at the date of publication, but due to exchange rate fluctuation may vary without notice. (August 2004)