



IKARUS C42

The Sport Aircraft for the 21st Century



- 80kts @ 11l/hr
- Wing fold option
- Permit Aircraft (No C of A)
- Heated cabin
- Available as Ready Built or Kit Microlight and VLA kit

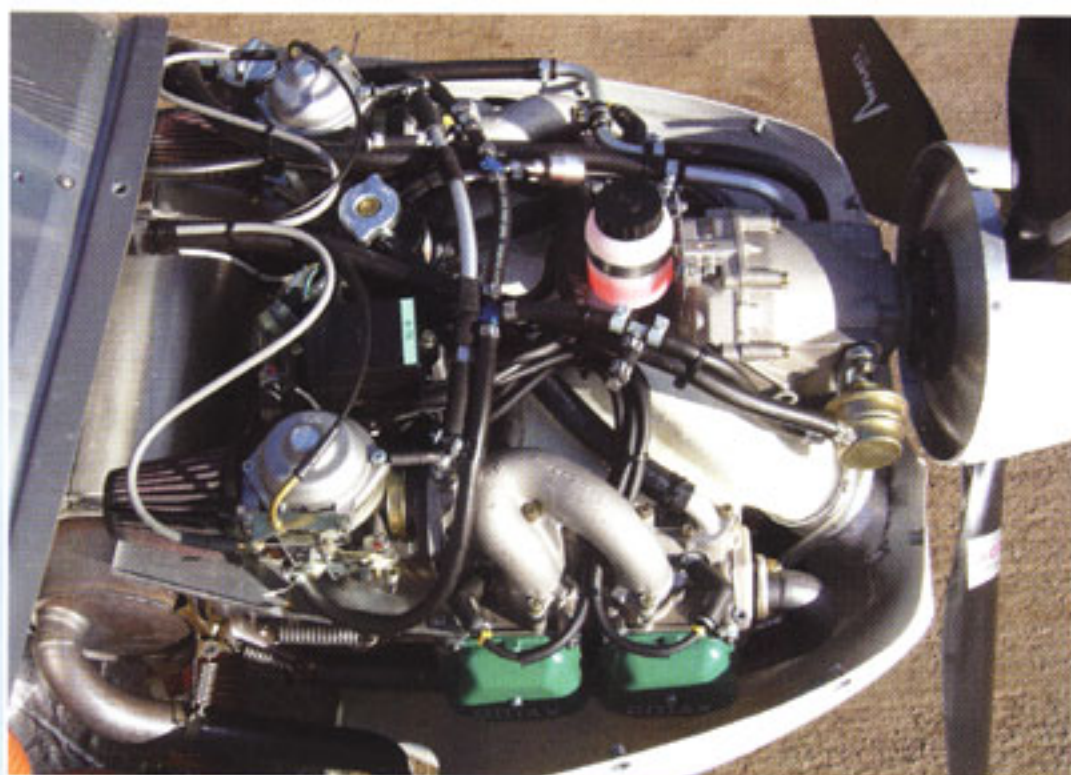
Somerset Microlights

The Aircraft

The C42 is now available in configurations to suit wallets and licences alike. Now you can fly long distances in heated comfort on a Microlight licence. Whether you want the convenience of a ready-built aircraft or the flexibility of flying Group A aircraft at microlight prices – there's a C42 for you.



"The C-42 has impressive performance."



The Power Unit

The 80 HP Rotax 912UL 4 stroke engine makes for reliable technology under the cowling. Fitted with a 3 blade ground adjustable propeller as standard the C42/912 combination delivers outstanding performance and economy. The engine uses 11 litres of fuel per hour in cruise. Both the engine/propeller combinations pass the very stringent German noise emission standards. The efficient design of the engine compartment eliminates the need for carburettor heat. Along with the electrical back up fuel pump the C42 is one of the safest microlights in the sky. The 100hp Rotax 912ULS is also an option.

The Interior

The gull wing doors allow for easy access into the spacious cabin – 48 inches (as wide as a Cessna 180). Standard equipment includes excellent heating and ventilation systems. It has ergonomically shaped seats designed for comfort even on the longest journey. The high wing configuration allows superb visibility enhanced by the low instrument panel and contoured engine cowlings. The C42 has a central control stick and dual rudder pedals allowing excellent manoeuvrability on the ground. The flap control is in the centre of the cabin roof. Electric On-stick trim is standard. The instrument panel is clear, functional and lends itself to customisation. It hinges down allowing easy access.



Somerset Microlights

***Put the fun
back into flying***

IHRUS C42

"Leap forward with innovative German Engineering – you now have the chance to buy a winner"



The Construction

The heart of this two seat Sports aircraft is a rigid aircraft grade aluminium tube which guarantees **stability, high strength, easy construction**, and allows for **speedy servicing**. The aerodynamically optimised glass/carbon fibre outer shell ensures **low drag/low weight** for excellent fuel economy and performance.



The Wings

The lattice (GT-foil) covered wings are constructed from aviation quality rigid aluminium tubing and comprise forward and aft braced spars with integral aluminium ribs. Specially designed leading and trailing edge rib fittings give high profile accuracy with low drag. A high quality innovative hinge system enables a **20 minute wing folding** (or removal), for transportation, low cost storage at home, in a garage or on the airfield.

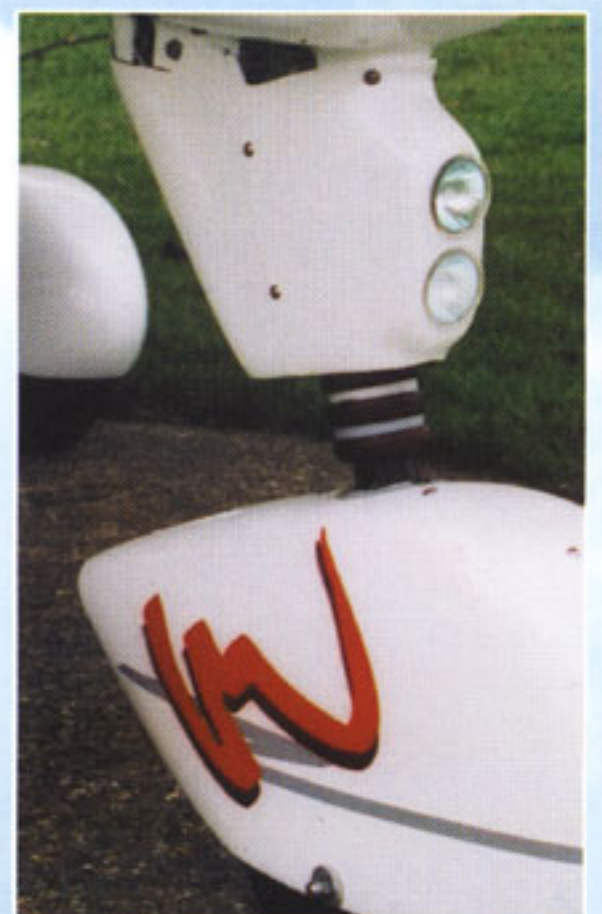
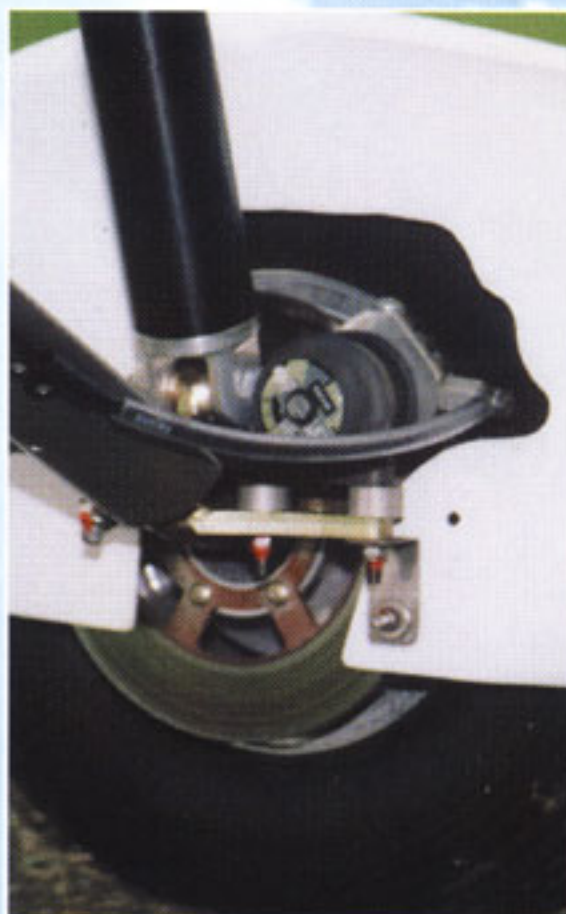
"Comfortable... uncomplicated and effective"



"Amazingly roomy... nimble and yet good tempered..."

The Undercarriage

A tricycle **Hydro-pneumatic** suspension undercarriage is fitted with **hydraulic disc brakes** on the main wheels. The brakes are operated by a brake lever on the control stick. Optional nose wheel lighting is available.



The C42 is an innovative modern two seat aeroplane that is setting new standards in the 450Kg U/L class. Over 600 of these comfortable, affordable and go anywhere aircraft are now flying in Europe and around the world. They are built by COMCO in Germany – a company widely recognised for its quality aircraft. The Ikarus C42 offers superior handling characteristics as well as stability and ease of control both in the air and on the ground. Low operating costs, no C of A and folding wings keep the cost of ownership down to a minimum.

Put the fun back into flying.

The IKARUS C42 can be flown on an NPPL(M) or NPPL(SEP) licence. Holders of a JAR FCL or older group A licence are also able to fly this aircraft. Purchasers of the VLA version will be able to keep their 'A' licence hours current. You will fly more hours at a lower cost in the microlight and VLA.

"Like to try it" – "Come and fly it"



Awards

World Championships 1997
(First World Air Games)

World Speed Record 1998
(500 km closed circuit)

Winner of the German
Championships 1996, 1999,
2000 and 2001

World Speed Record
(100 km)

Technical Data:

Powerplant

	Rotax 912 UL	Rotax 912 ULS
Power:	58kw (80hp)	69kw (100hp)
Capacity:	1211cc	1352cc
Fuel consumption:	8–15l/hr	8–17l/hr
Fuel type:	Unleaded or Avgas	

Performance

	912 UL	912 ULS
Max Level Speed	110kts	110kts
Vne	120kts	120kts
Stall Speed	35kts	35kts
Cruise	80kts	85kts
Range at Cruise	370nm	370nm
Roll rate (45 to 45)	1.5 secs	1.5 secs
Take Off roll	<100mtrs	<80mtrs
Time to 1000ft	1m 5secs	< 1min
Climb Rate	960fpm	1050fpm

Weights & Dimensions

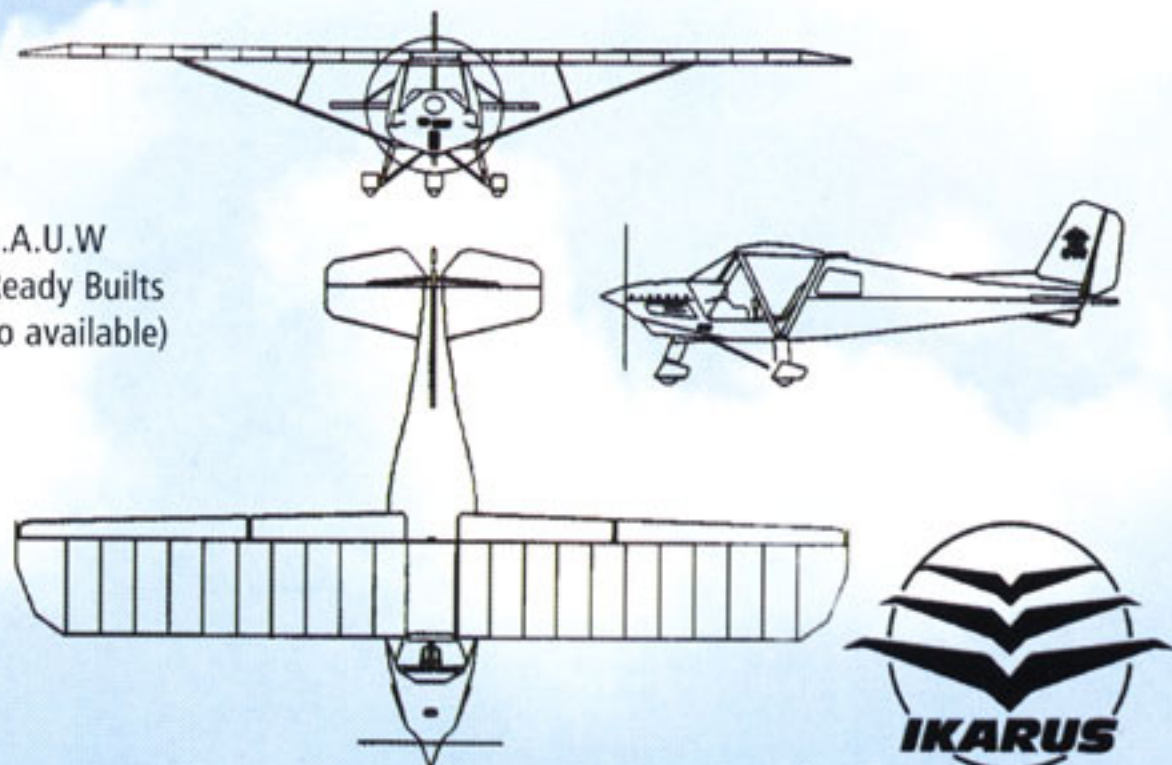
Span	31ft
Length	20ft 6 in
Height	7ft 7in
Wing Area	135 sq. ft.
Empty weight	262 kg
Max Weight Microlight	450kgs
Max Weight VLA	473kgs
Fuel Capacity	50l
Optional	100l
Aerofoil	NACA 2412
Aspect Ratio	7:1

Optional Extras

Radio, Mode C Transponder, Fuel Computer, Moving Map GPS, Electronic Artificial Horizon, Warp drive and Neuform propellers, Variable Pitch available Q4 2004.

Aircraft Types

Ready Built Microlight: 450kg M.A.U.W
 Microlight Kit: 450kg M.A.U.W
 VLA kit: 473kg M.A.U.W
 (Low hours VLA Ready Builts also available)



IKARUS C42



S O M E R S E T M I C R O L I G H T S

Dunkeswell Airfield, Honiton, Devon, EX14 4LJ

01404 891880

Web site : www.somerset-microlights.com