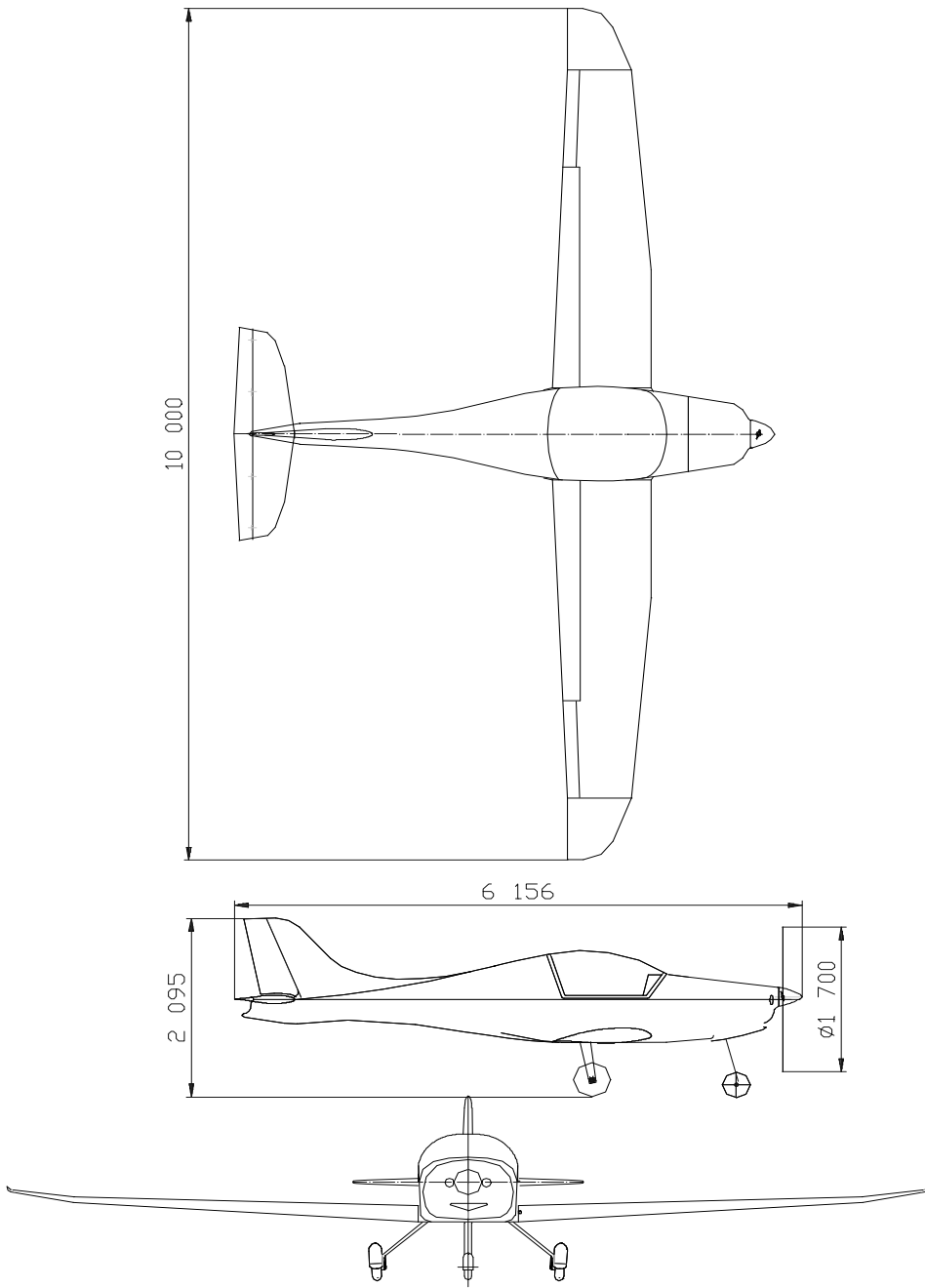


Samba XXL



- if the emphasis is on power flying

- modification of successful UFM 10 Samba
- „XXL“ cockpit
- designed for power training (PPL), fun flying, cruising, and glider towing
- built using fully composite technology, which provides a totally new quality of flying
- powered by ROTAX 912 UL(S) (80 or 100 HP), with optional variable pitch / constant speed propeller
- two seats side by side with ample leg room and baggage space
- unbeatable economical high speed cruising



Technical description

Type: Side-by-side ultralight / kitbuild

Programme: Samba XXL is modification of UFM 10 Samba. From Samba is used wing and tail surfaces and fuselage is enlarged. First prototype (OK-IUA 54) rolled out April 2003.

Current versions:

Samba XXL
Wing span 10,00 m (32 ft 9 ¾ in).

Customers:

Total 8 factory-built Samba XXL built by late 2003/2004, exported to Germany and elsewhere.

Design features:

Conforms to JAR-VLA (BCAR-S). Forward-swept wings with cranked leading-edge and laminar profile (aerofoil section SM 701). Low mounted wing and tailplane. Shorter wheel base.

Flying controls:

Samba XXL is controlled by conventional ailerons, rudder, one-piece elevator and three positions slot flaps. Optional - flaps with electric control.

Structure:

Laminated glass fibre and carbon fibre with CFRP wing spar.

Landing gear:

Fixed tricycle type, hydraulic brakes. Main wheel tyres 4.00-8.

Power plant:

One Rotax 912 UL, 59,6kW (80hp) or Rotax 912 ULS, 73,5kW (100hp) or Jabiru 2200 59,7kW (80hp), four stroke engines driving propeller WOODCOMP Varia two blade, carbon fibre or WOODCOMP SR200, SR2000 or SR3000 two or three blade. Fuel tank integrated in wing, capacity 1 or 2 x 50 litres (13,2 US gallons, 11.0 Imp gallons).

Equipment:

BRS recovery parachute optional.

External dimensions:

Wing span	10.00 m (32 ft 9 ¾ in)
Length overall	6.15 m (19 ft 8 ¼ in)
Height overall	2.10 m (7 ft 2 ½ in)

Dimensions internal:

Cabin max. width	1.15 m
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Areas:

Wing, gross	8.90 m ² (95.8 sq ft)
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Weights and loadings:

Empty weight from	265.0 kg (584 lb)
With BRS and tow hook	284.0 kg (630 lb)
MTOW depend on category	
Ultralight	450.0 kg (990 lb)
Ultralight with BRS	472.5 kg (1040 lb)
VLA or experimental	560.0 kg (1232 lb)

Performance powered:

Never exceed speed	Vne 260 km/h (140 kt)
Max. cruising speed	220 km/h (118 kt)
Stalling speed	65 km/h (36 kt)
Max. rate of climb at S/L	7.5 m/s (1450 ft/min)
Range	1 500 km (932 miles, 810 n miles)

Performance unpowered:

Best glide ratio	19
Min. rate of sink	1.50 m (4.92ft/s)