



Australian Government

Civil Aviation Safety Authority

# Type Certificate

Number: VA513

Pursuant to regulation 21.013A of the Civil Aviation Safety Regulations 1998, this type certificate is issued in respect of the Airborne Edge XT aircraft.

Entitlement has been established for this aircraft in the primary category, pursuant to regulation 21.024. Type certificate data sheet VA513 forms part of this type certificate, and describes the basis of certification, and limitations on the Edge XT aircraft.

This certificate is valid until it is suspended or cancelled by the Civil Aviation Safety Authority.

Date of Application	23 March 2004
Date of Issuance	2 April 2004 (Provisional Type Certificate)
Issue 2	16 December 2004

  


Eugene Paul Holzapfel  
Delegate of the Authority

**Safe Skies for All**



No           VA513  
Revision    2  
Aircraft     Airborne Edge XT  
Date         16 December 2004

## TYPE CERTIFICATE DATA SHEET

This data sheet forms part of Type Certificate No. VA513, and lists the conditions and limitations under which Edge XT aircraft meet the airworthiness requirements of the Civil Aviation Safety Authority, Australia.

**Certificate Holder**       AirBorne WindSports Pty Ltd  
Unit 22/30 Kalaroo Road – PO Box 7042  
Redhead 2290 NSW Australia

**Model Edge XT 912 - B / Streak 3 - B.** Approved in Primary Category on 16 December 2004.

Base                        XT 912 – B

Engine                     Rotax 912 UL 2, 80 hp 4 stroke

Engine Limits            Take Off (max 5 minutes)   5800 rpm  
Maximum Continuous     5500 rpm

Fuel                        En228 Premium/Regular.  
Super grade gasoline, lead free, minimum RON 90.

Fuel Capacity            Total fuel                    70 litres  
Usable fuel                67 litres

Oil Capacity             3 litres (2 litres minimum)

Cooling System.         100% Evans NPG+ liquid coolant. No water is permitted in the radiator. Refer to Note 2.  
Radiator Cap release pressure   1.2 bar

Propeller	Bolly BOS 3, Specification D. Composite blades, ground adjustable pitch Diameter 1676 ±5 mm Pitch limits 20° ± 0.5 ° at 610 mm radius.	
Levelling Means	Propeller hub face (vertical) for setting propeller pitch.	
Wing	Streak 3 – B	
Wing Area	13.5 m <sup>2</sup> (projected)	
Wing Datum	Line joining the centre of leading edge nose bolt heads.	
Base Hang Point Limit	1245 mm +/- 15mm aft of wing datum at all weights.	
Airspeed Limits (knots IAS)	V <sub>NE</sub> never exceed speed	85 KIAS
	V <sub>A</sub> manoeuvring speed	80 KIAS
	V <sub>SO</sub> stalling speed MTOW	35 KIAS (65 kph IAS)
Number of Seats	Two. Solo flight permitted from front seat only.	
Maximum Weights	Take-off	445 kg
	Landing	445 kg
Maximum total pilot weight	200 kg	
Front Seat Pilot Weight Range	55 – 100 kg.	
Maximum weight in rear seat	100 kg	
Maximum Baggage	4 kg in under front seat storage – 2 kg per seat bag.	
Crosswind Component	Maximum for take-off and landing – 12 knots.	
Rigging	In accordance with <i>Pilot's Operating Handbook Edge XT 912 - B Streak 3 - B Microlight Pilot Handbook Issue 1.0</i> , dated 14 December 2004 or subsequent CASA approved revision.	
Serial numbers eligible	XT 912 - B trike base	01 and subsequent
	Streak 3 - B wing	S3-01 and subsequent
Type Design Data	The model XT 912 – B / Streak – B consists of: XT 912 - B base fitted with a Streak 3 - B wing. These components are defined by: XT 912 - B trike base Drawing list 04/019/DS, Issue 1.0 Streak 3 - B wing Drawing list 04/021/DS, Issue 2.3	

Additional Type Data      Approved Flight Manual      *Pilot's Operating Handbook Edge XT 912 - B Streak 3 - B Microlight Pilot Handbook, Part No 10672, Issue 1.0, dated 14 December 2004 or subsequent CASA approved revision.*

Service Manual      XT 912 Maintenance Manual, Issue 1.0, dated 14 December 2004, and Streak 3 Maintenance Manual, Issue 1.0, dated 14 December 2004.

Certification Basis      Type Certificate Number VA513 has been issued on the basis of compliance with regulation 21.024 of the Civil Aviation Safety Regulations 1998. The certification standard is:

Part 21 of the Civil Aviation Safety Regulations 1998, and

British Civil Airworthiness Requirements Section S, Issue 2, dated 31 August 1999.

AirServices Australia has determined that the Edge XT type meets the noise standard specified in CAO 101.55, with a corrected noise level of 62.7 dB(A)(s)max at 1000 feet.

Operational Limits      Australian registration of the Edge XT type is limited to the RAA and HGFA registers.

Production Basis      Production Certificate PC-510188.

Equipment      The CASA Approved Flight Manual must be carried aboard the aircraft at all times. Other required minimum equipment is as detailed in the Pilot's Operating Handbook.

Placards      Required placards are listed in *Pilot's Operating Handbook Edge XT 912 - B Streak 3 - B Microlight Pilot Handbook Issue 1.0, dated 14 December 2004 or subsequent CASA approved revision.*

Notes      1. In accordance with CASR 21.305(c), Microair 760 VHF transceiver is approved for use in Airborne Edge XT aircraft.  
2. CASA AD/Rotax/21 is in force in respect of the engine coolant.

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