



SECTION 1

1. GENERAL

- 1.1 Introduction
- 1.2 Certification basis
- 1.3 Warnings, cautions and notes
- 1.4 Descriptive data
 - 1.4.1 Aircraft description
 - 1.4.2 Technical data
- 1.5 Three-view drawing

1. GENERAL

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1-0



1.1 Introduction

The aeroplane Flight Manual has been prepared to provide pilots and instructors with information for the safe and efficient operation of the EV-97 „EUROSTAR“ model 2000 version R ultra-light aeroplane.

It also contains supplemental data supplied by the aeroplane manufacturer.

1.2 Certification basis

This aircraft type has been approved by the responsible airworthiness authorities listed below:

CZECH REPUBLIC

Type Certificate No.:

ULL – 03/98/“b” 00

Date of approval:

13.10.2000

Approved by:

Light Aircraft Association
of Czech Republic

Certificate of Airworthiness: “P”

Document No.: EV2000RLPEN	Date of Issue: 01/2001	Revision:	1-1
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1.3 Warnings, cautions and notes

The following definitions apply to warnings, cautions and notes in the flight manual.

WARNING

Means that the non-observation of the corresponding procedure leads to an immediate or important degradation of the flight safety.

CAUTION

Means that the non-observation of the corresponding procedure leads to a minor or possible long term degradation of the flight safety.

NOTE

Draws attention to any special item not directly related to safety, but which is important or unusual.

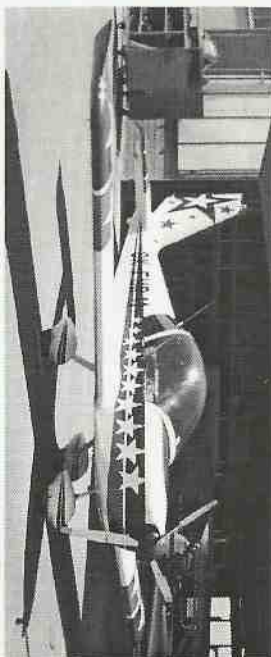
Document No.: EV2000RLPEN	Date of Issue: 01/2001	Revision:	1-2
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1.4 Descriptive data

1.4.1 Aircraft description

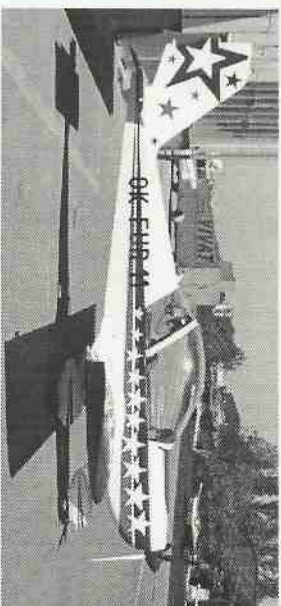
EV-97 „EUROSTAR“ model 2000 version R is an aircraft intended especially for recreational and touring flying, with a limitation to non-aerobatic operation.



The EV-97 „EUROSTAR“ model 2000 version R is a single engine, all metal, low-wing monoplane of semimonocoque construction with two side-by-side seats. The aeroplane is equipped with a fixed tricycle undercarriage with a controllable nose wheel.

The powerplant is composed of the ROTAX 912 (80 hp), four cylinder, four stroke engine and the two blade V 230C, fixed wooden propeller (standard powerplant).

Alternatively it is possible to upgrade the engine to the ROTAX 912S (100 hp) and other propellers according to consumer's request.

Document No.:
EV2000RLPENDate of Issue:
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Revision:

1-3



1.4.2 Technical data

Wing

span	8.1	m	26.57	ft
area	9.84	m ²	105.92	ft ²
MAC	1.25	m	4.10	ft
loading	45.7	kg/m ²	9.37	lb/ft ²

Aileron

area	0.21	m ²	2.26	ft ²
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Flap

area	0.52	m ²	5.60	ft ²
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Fuselage

length	5.98	m	19.62	ft
width	1.04	m	3.41	ft
height	2.34	m	7.67	ft

Horizontal tail unit

span	2.5	m	8.20	ft
area	1.95	m ²	20.99	ft ²
elevator area	0.8	m ²	8.60	ft ²

Vertical tail unit

height	1.24	m	4.07	ft
area	1.0	m ²	10.76	ft ²
rudder area	0.4	m ²	4.30	ft ²

Landing gear

wheel track	1.6	m	5.25	ft
wheel base	1.35	m	4.42	ft
main wheel diameter	350	mm	14	in
nose wheel diameter	350	mm	14	in

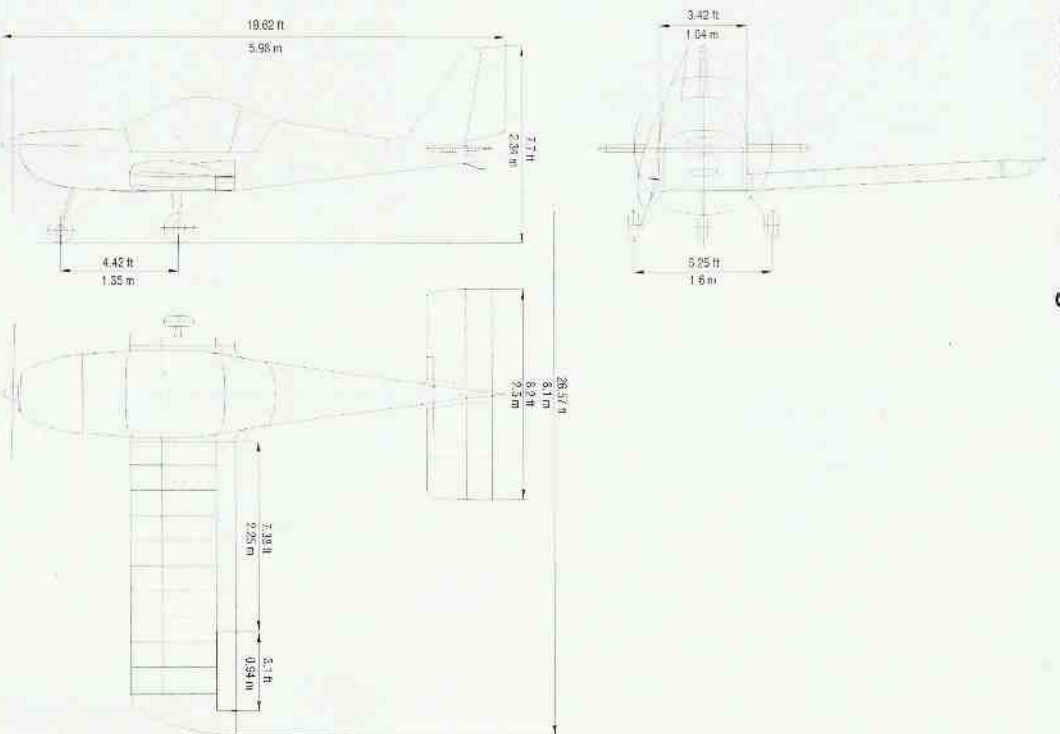
Document No.:
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Revision:

1-4



1.5 Three-view drawing



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1-5