European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET

Number: P.009
Issue: 03
Date: 15 October 2013
Type: AERO AT Sp. z o.o. ELPROP 3 series

Models

ELPROP 3-1-1P
ELPROP 3-1-1L
ELPROP 3-1-2P
ELPROP 3-1-2L
ELPROP 3-1-3P
ELPROP 3-1-3L

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I. General

1. Type/Models: ELPROP 3-1-1P
ELPROP 3-1-1L
ELPROP 3-1-2P
ELPROP 3-1-2L
ELPROP 3-1-3P
ELPROP 3-1-3L

2. Type Certificate Holder

AERO AT Sp. z o.o.
COP-u 2
39-300 Mielec
POLAND

EASA Design Organisation Approval No: EASA.AP145

3. Manufacturer

AERO AT Sp z o.o.

4. Date of Application:

01 August 2005

5. Reference Date for determination of the applicable requirements:

23 October 2003

6. Certification Date:

07 September 2005

II. Certification Basis

1. Airworthiness Standards:

JAR-22 Subpart J Amendment 7 dated 1st Sept 2003

III. Technical Characteristics

1. Type Design Definition:

The ELPROP 3 Series propeller model is defined by a main assembly drawing number E3.0.00.0 "Propeller Assembly"

2. Description:

The ELPROP 3 propeller is a three-blade ground-adjustable propeller, with blades manufactured from carbon-epoxy fibre, and a two-part aluminium hub.

Each model comprises a right rotation model, designated with the suffix "P", and the left rotation model, designated the suffix "L". (see also paragraph 9)

3. Equipment:

Spinner may be fitted. See Propeller Maintenance Manual EPI.02 for details.

4. Dimensions:

Designation	Diameter [mm]	Direction of rotation	Blade setting angle at 0.75 R incidence [º]
ELPROP 3-1-1P	1730	right	from 14° to 26°
ELPROP 3-1-1L	1730	left	
ELPROP 3-1-2P	1720	right	
ELPROP 3-1-2L	1720	left	
ELPROP 3-1-3P	1700	right	
ELPROP 3-1-3L	1700	left	

5. Weights:

Complete Propeller approx. 3.0 kg

6. Hub/Blade-Combinations:

N/A

7. Control System:

N/A

8. Adaptation to Engine:

In accordance with Propeller Maintenance Manual EPI.02

9. Sense of Rotation:

Sense of rotation (viewed in flight direction) corresponding to the particular letter in the propeller designation

IV. Operational Limits

1. Propeller Speed:

max. 3200 min^{-1}

2. Driving Power:

max. 90 kW

3. Propeller Pitch Angle:

from 14° to 26°

V. Operating and Service Instructions

ELPROP Propeller Maintenance Manual document number EPI.02 Issued June 2005, with revisions.

VI. Notes

1. The suitability of a propeller for a certain aircraft/engine-combination must be demonstrated within the scope of the type certification of the aircraft.