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:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Diameter [mm]</th>
<th>Direction of Rotation</th>
<th>Blade setting angle at 0.75 R incidence [º]</th>
</tr>
</thead>
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<tr>
<td>ELPROP 3-1-1P</td>
<td>1730</td>
<td>right</td>
<td>from 14° to 26°</td>
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<td>ELPROP 3-1-1L</td>
<td>1730</td>
<td>left</td>
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<td>1720</td>
<td>right</td>
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<td>ELPROP 3-1-2L</td>
<td>1720</td>
<td>left</td>
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<td>ELPROP 3-1-3P</td>
<td>1700</td>
<td>right</td>
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</tr>
<tr>
<td>ELPROP 3-1-3L</td>
<td>1700</td>
<td>left</td>
<td></td>
</tr>
</tbody>
</table>

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.