TYPE-CERTIFICATE
DATA SHEET

No. P.023

for
V 310 series propellers

Type Certificate Holder
Avia Propeller Ltd.
Beranových 65/666
199 00 Praha 9 - Letňany
Czech Republic

For Models:
V 310
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I. **General**

1. **Type / Model**
   V 310

2. **Manufacturer**
   Avia Propeller Ltd.
   Beranových 65/666
   199 00 Praha 9 - Letňany
   Czech Republic

3. **Date of Application**

   | V 310     | 24.9.1968 |

4. **EASA Type Certification Date**

   | V 310     | 24.11.1969 |

Type certification of the V 310 series propeller model has been covered previously by Czech Republic Type Certificate No.69-03.

II. **Certification Basis**

1. **State of Design Authority Certification Basis**
   Czech Republic

2. **Reference Date for determining the applicable airworthiness requirements**
   24 September 1968

3. **EASA Certification Basis**

   3.1. **Airworthiness Standards**
   FAR Part 35-2 dated March 04, 1967 had been shown.

   **Note:**
   Application was made to CAA - Czech Republic (former Czechoslovakia) before EASA was established. The applicable airworthiness standards were established in accordance with the rule in Czech Republic (former Czechoslovakia) at the time of application.

   3.2. **Special Conditions**
   None
3.3. Equivalent Safety Findings
None

3.4. Deviations
None

III. Technical Characteristics

1. Type Design Definition
The V 310 propeller model covers the following design configuration. Design configuration is defined by a main assembly drawing and an appropriate parts list.

V 310
Design Configuration “Ground Adjustable”
Drawing No. 050-0000 dated June 30, 2009 (*1)
Parts List No. R-050-0000 dated June 30, 2009 (*1)

(*1) effective is the declared issue or a later approved revision.

2. Description
2-blade ground-adjustable pitch propeller. The hub is milled out of steel and blades are milled out of aluminum alloy. Optionally the propeller may have installed spinner.

3. Equipment
Spinner: according to Avia Propeller Service Bulletin No. 2

4. Dimensions
Propeller diameter: max. 195 cm

5. Weight
Propeller-Design Configuration
“Ground adjustable”: approx. 17,6 kg

6. Hub / Blade-Combinations

<table>
<thead>
<tr>
<th>Hub</th>
<th>Blade-Type</th>
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<tbody>
<tr>
<td>V 310</td>
<td>-1950</td>
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</tbody>
</table>

7. Control System
n/a

8. Adaptation to Engine
Flange, bolt spacing diameter 120 mm

9. Direction of Rotation
Left-hand tractor (viewed in flight direction).
IV. Operating Limitations

1. Maximum Take Off Power and Speed
164 kW at 2750 min\(^{-1}\)

2. Maximum Continuous Power and Speed
164 kW at 2750 min\(^{-1}\)

3. Propeller Pitch Angle
From +14° to +17,5° measured at reference station

V. Operating and Service Instructions

<table>
<thead>
<tr>
<th>Operation and Installation Manual</th>
<th>P/N E-1654</th>
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<tbody>
<tr>
<td></td>
<td>Date of Latest Issue/Revision Issue 1, June 30, 2009 (*)</td>
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<tr>
<td>Overhaul Manual</td>
<td>P/N E-1655</td>
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<td>Date of Latest Issue/Revision Issue 1, June 30, 2009 (*)</td>
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<tr>
<td>Overhaul Manual for Metal Blades</td>
<td>P/N EN-1370</td>
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<td>Date of Latest Issue/Revision Issue 2, March 17, 2009 (*)</td>
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<tr>
<td>Service Bulletins</td>
<td>as noted in the current List of Service Bulletins</td>
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(*) effective is the declared issue or a later approved revision

VI. Notes

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

2. The overhaul intervals recommended by the manufacturer are listed in Avia Propeller Service Bulletin No. 1.

   The EASA approved Airworthiness Limitations Section of the Instructions for Continued Airworthiness is published in the applicable “Propeller Operation and Installation Manual” document, chapter “Airworthiness Limitations”.

3. EASA Type Certificate and Type Certificate Data Sheet No.P.023 replace CAA - Czech Republic Type Certificate and Type Certificate Data Sheet No.69-03.
SECTION: ADMINISTRATIVE

I. Acronyms and Abbreviations
n/a

II. Type Certificate Holder Record
n/a

III. Change Record

<table>
<thead>
<tr>
<th>TCDS Issue</th>
<th>Date</th>
<th>Changes</th>
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<tr>
<td>Issue 01</td>
<td>03 July 2009</td>
<td>Initial Issue</td>
</tr>
<tr>
<td>Issue 02</td>
<td>15 December 2022</td>
<td>Addition of a sentence to Note 2 in Chapter VI. Notes: The EASA approved Airworthiness Limitations Section of the Instructions for Continued Airworthiness is published in the applicable „Propeller Operation and Installation Manual“ document, chapter Airworthiness Limitations. (Major Change Approval 10080697)</td>
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