TYPE-CERTIFICATE
DATA SHEET

No. P.022

for
V 210 series propellers

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

For Models:
V 210
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I. General

1. Type / Model
V 210

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

3. Date of Application

| V 210 | 27.8.1970 |

4. EASA Type Certification Date

| V 210 | 7.9.1970 |

Type certification of the V 210 series propeller model has been covered previously by Czech Republic Type Certificate No.70-03.

II. Certification Basis

1. State of Design Authority Certification Basis
Czech Republic

2. Reference Date for determining the applicable airworthiness requirements
27 August 1970

3. EASA Certification Basis
3.1 Airworthiness Standards
British Civil Airworthiness Requirements (BCAR), Section C, Issue 6, dated 15 June, 1966.

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 210 propeller model covers the following design configuration. Design configuration is defined by a main assembly drawing and an appropriate parts list.

V 210 Design Configuration “Fixed-Pitch”
Drawing No. 054-0000 dated June 15, 1968 (*1)
Parts List No. R-054-0000 dated September 15, 1969 (*1)

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

2. Description
2-blade fixed-pitch propeller constructed of wood composite structure. Leading edge of the propeller blades is protected against damage.

3. Equipment
None

4. Dimensions
Propeller diameter: max. 110 cm

5. Weight
Propeller weight: approx. 3,2 kg

6. Hub / Blade-Combinations
n/a, single piece propeller

7. Control System
n/a

8. Adaptation to Engine
flange, six bolts, bolt spacing diameter 74 mm

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

1. **Maximum Take Off Power and Speed**
   33 kW at 4100 min⁻¹

2. **Maximum Continuous Power and Speed**
   33 kW at 4100 min⁻¹

3. **Propeller Pitch Angle**
   11° measured at reference station

V. **Operating and Service Instructions**

| Operation and Installation Manual | P/N E-1656  
| Date of Latest Issue/Revision  
| Issue 1, July 2, 2009 (*)  
|  
| Overhaul Manual | P/N E-1657  
| Date of Latest Issue/Revision  
| Issue 1, July 2, 2009 (*)  
|  
| Service Bulletins | as noted in the current List of Service Bulletins  

(*) 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.022 replace CAA - Czech Republic Type Certificate and Type Certificate Data Sheet No.70-03.
SECTION: ADMINISTRATIVE

I. Acronyms and Abbreviations
n/a

II. Type Certificate Holder Record
n/a

III. Change Record

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<td>07 July 2009</td>
<td>Initial Issue</td>
<td>Initial Issue, 07 July 2009</td>
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<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 10080693).</td>
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