



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

TCDS Issue	Date	Changes	TC issue
Issue 01	07 July 2009	Initial Issue	Initial Issue, 07 July 2009
Issue 02	15 December 2022	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).	

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