
EASA

Number : P.023

Issue : 01

Date : 03 July 2009

Type : Avia Propeller Ltd.

V 310 series propellers

Variants

V 310

List of effective Pages:

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I. General

1. Type/Variants

V 310

2. Type Certificate Holder

Avia Propeller Ltd.
Beranových 65/666
199 00 Praha 9 – Letňany
Czech Republic

Design Organisation Approval No.: EASA.21J.072

3. Manufacturer

Avia Propeller Ltd.
Beranových 65/666
199 00 Praha 9 – Letňany
Czech Republic

4. Date of Application

V 310
24.9.1968

5. Reference Date for determination of the applicable requirements

24 September 1968.

6. 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. 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.

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

Hub	Blade-Type
V 310	-1950

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. Operational Limits

1. Propeller Speed:

max. 2750 min⁻¹

2. Max.Take-Off Power:

164 kW

3. Max.Continuous Power:

164 kW

4. Propeller Pitch Angle:

From +14° to +17,5° measured at reference station

V. Operating and Service Instructions

Operation and Installation Manual	P/N E-1654 Date of Latest Issue/Revision Issue 1, June 30, 2009 (*)
Overhaul Manual	P/N E-1655 Date of Latest Issue/Revision Issue 1, June 30, 2009 (*)
Overhaul Manual for Metal Blades	P/N EN-1370 Date of Latest Issue/Revision Issue 2, March 17, 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.
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.
