

Import Requirements:

To be considered eligible for installation on U.S. registered aircraft, each propeller imported into the United States must be accompanied by a certificate of airworthiness for export or a certifying statement endorsed by the exporting cognizant civil airworthiness authority. Include the following language in the certifying statement:

(1) This propeller conforms to its United States type design (Type Certificate Number P00035BO) and is in a condition for safe operation, and

(2) The manufacturer has performed a final operation check on this propeller, and it is in a proper state of airworthiness

Additional guidance is contained in FAA Advisory Circular 21-23, Airworthiness Certification of Civil Aircraft, Engines, Propellers and Related Products, Imported into the United States.

Production Basis:

Production Number: CZ.21G.0011

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NOTES

NOTE 1: Hub Model Designation

A V - 803 - 1 - E - () - () - () - ()
 1 2 3 4 5 6 7 8 9 10 11

Hub

- 1 Avia Propeller (manufacturer)
- 2 V - Variable Pitch Propeller
- 3 Blade Root Type
- 4 Number of Blade
- 5 Number of variant of the propeller model
- 6 Code letter for flange type
 - B = AS 127D, SAE No. 2 mod., ½ inch-20 UNF bolts
 - D = ARP 502
 - E = ARP 880
 - K = M14 Flange
- 7 Code letter for counterweights
 - blank = no or small counterweights for pitch change forces to decrease pitch
 - C = counterweights for pitch change forces to increase pitch
- 8 Code letter for feather provision
 - blank = no feather position possible
 - F = feather position installed
- 9 Code letter for reverse provision
 - blank = no reverse position possible
 - R = reverse position installed
- 10 Code letter for reverse system
 - W = System Walter
- 11 Code letter for design changes
 - small letter for changes which do not affect interchangeability
 - capital letter for changes which restrict or exclude interchangeability

NOTE 2: Blade Model Designation

() () 270- 420 ()
1 2 3 4 5

Blade

- 1 Code letter for position of pitch change pin
blank = pitch change pin position for pitch change forces to decrease pitch
C = pitch change pin position for pitch change forces to increase pitch
CF = pitch change pin position for feather provision; pitch change forces to increase pitch
CR = pitch change pin position for reverse provision; pitch change forces to increase pitch
CFR = pitch change pin position for feather and reverse provision; pitch change forces to increase pitch
- 2 Code letter for blade design and Installation
blank = right-hand tractor
RD = right-hand pusher
L = left-hand tractor
LD = left-hand pusher
- 3 Propeller diameter in cm
- 4 Number of blade type (contains design configurations and aerodynamic data) according to the certified hub/blade - combinations
- 5 Code letter for design changes
small letter for changes which do not affect interchangeability of blade set
capital letter for changes which restrict or exclude interchangeability of the blade set

Note 3: Pitch Control

- (a) The propellers are approved for flight operation with the propeller speed governors which are listed in Avia Propeller Service Bulletin No. 3
- (b) The propellers are approved for flight operation with the propeller overspeed governors which are listed in the appropriate propeller parts list

Note 4: Feathering and Reversing

- (a) The propellers incorporate feathering and unfeathering features when equipped with appropriate mounted instruments (see Note 3 and 7). Blade Feathering is accomplished by:
 - (1) by oil pressure
 - (2) by outweighing moment of counterweights
- (b) The propellers incorporate reversing feature when equipped with appropriate mounted instruments (see Note 3).

Note 5: Left-hand Models

The left-hand version of the approved propeller model is eligible at the same rating and diameter limitations as listed for the right-hand model.

Note 6: Interchangeability

Not applicable

Note 7: Accessories

- (a) Propeller spinners: According to the FAA-approved list published in Avia Propeller Service Bulletin No.2.
- (b) Propeller accessories including governors: According to the FAA-approved list published in Avia Propeller Service Bulletin No. 3.

Note 8: Shank Fairings

Not applicable

Note 9: Special Limits

Not applicable

Note 10: Special Notes

- (a) Aircraft installations must be approved as part of the aircraft type certificate and demonstrate compliance with the applicable aircraft airworthiness requirements.
- (b) All AV-803 propellers are to be operated within the limits of Avia Propeller Operation and Installation Manuals No. EN-1320, EN-1366 and adhere to the TBO limits shown in Service Bulletin No. 1.
- (c) Propeller maintenance, overhaul, and airworthiness limitations shall be accomplished in accordance with Avia Propeller Overhaul Manuals No. EN-1291, EN-1367 and EN-1370 latest revision.

Note 11: Special Limits

Airworthiness Limitations shall be complied with as given in the approved Airworthiness Limitation Section of the Avia Operation and Installation Manuals EN-1320, EN-1366, Overhaul Manuals EN-1291, EN-1367 and Overhaul Manual for Metal Blades EN-1370.

The propeller CMACO must evaluate the propeller installation for each new aircraft installation to assess possible changes in the airworthiness limitations.

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