



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: SA04045CH

This certificate issued to: Hartzell Propeller Inc  
One Propeller Place  
Piqua, Ohio 45356

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product – Type Certificate Number: A25SO  
Mcnng: PIPER AIRCRAFT, INC.  
Mqf gn PA-46-500TP

Description of Type Design Change:

Installation of Hartzell propeller model 5D3-N338A1/78D01B in accordance with Hartzell STC Installation Instruction INST\_020215 dated February 15, 2015 or later FAA Approved revisions. Airplane Flight Manual Supplement AFMS\_020215 is required. Instructions for Continued Airworthiness ICA\_020215 are applicable.

Limitations and Conditions:

1. The installer must determine whether this change is compatible with previously approved modifications.
2. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

(See Continuation Sheet 3 of 3 pages)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

Date of application: 4/15/2015

Date reissued:

Date of issuance: 1/26/2016

Date amended:

*By direction of the Administrator*

Signature \_\_\_\_\_

Title Brian E. Meyer  
STC ODA administrator  
Hartzell ODA-100082-CE

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

*Transfer Endorsement*

*Transfer the ownership of Supplemental Type Certificate Number: SA04045CH*

**To** (Name and address of transferee)

**From** (Name and address of grantor)

Extent of Authority (if licensing agreement):

*Date of transfer:*

*Signature of grantor:* \_\_\_\_\_

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# Supplemental Type Certificate

(Continuation Sheet)

Number: SA04045CH

Hartzell Propeller Inc

Date of issuance January 26, 2016

Limitations and Conditions continued:

3. Applicability limited to the Pratt & Whitney Canada PT6A-42A engine.

4. Revised Type Certificate Data Sheet information:

Propeller and Propeller Limits:

HARTZELL Constant speed  
5D3-N338A1/78D01B

Diameter: 82.5 inches, no reduction permitted

Pitch setting at 30-inch radius:      Low:    15.8+/-0.1 degrees  
   Feather: 83.2+/-0.5 degrees  
   Reverse: -11.0+/-0.5 degrees

Spinner: Hartzell 105951(P)

5. The original certification basis was used for this STC with the follow exceptions (current amendment levels):

14 CFR 23.907 amendment 23-59

14 CFR Part 36, Appendix G, amendment 36-30

END

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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

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