



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA03466CH

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:
A78EU

Mcng: PILATUS AIRCRAFT LTD.
Mqf gn PC-12, PC-12/45, PC-12/47, PC-12/47E up to and including
S/N 1575

Description of Type Design Change:

Installation of Hartzell propeller model HC-E5A-3A/NC10245B in accordance with Hartzell STC Installation Instruction INST_030314 dated May 20, 2015 or later FAA approved revisions. Airplane Flight Manual Supplement AFMS_030314 dated April 1, 2014 or later FAA approved revision is required. Instructions for Continued Airworthiness ICA_030314 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: 4/11/2014

Date reissued:

Date of issuance: 10/23/2015

Date amended: March 16, 2016

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: SA03466CH

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: SA03466CH

Hartzell Propeller Inc
Date of issuance October 23, 2015
Date amended: March 16, 2016

Limitations and Conditions continued:

3. Revised Type Certificate Data Sheet information:

Propeller and Propeller Limits:

HARTZELL Constant speed
HC-E5A-3A/NC10245B

Diameter: 105 inches, no reduction permitted

Pitch setting at 42-inch radius: Low: 14.7+/-0.1 degrees
 Feather: 80.0+/-0.5 degrees
 Reverse: -17.5+/-0.5 degrees

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

6. This STC may be installed on aircraft that have had Finnoff Aviation Products, LLC (FAP) STC SA02266LA previously installed, when used with the following documents:

- a) STC Installation Instructions INST_110215 dated November 2, 2015 or later FAA approved revisions;
- b) Airplane Flight Manual Supplement AFMS_110215 dated November 2, 2015 or later FAA approved revisions;
- c) Instructions for Continued Airworthiness ICA_110215 dated November 2, 2015 or later FAA-accepted revisions.

END

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).
