



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: SA02181AK

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: A37CE  
Mcnrg: Textron Aviation Inc.  
Mqf gn 208; 208A; 208B

Description of Type Design Change:

Installation of Hartzell propeller model HC-B3TN-3AF(Y)/T10890CN-2, HC-B3TN-3AF(Y)/T10890CNK-2, and HC-B3TN-3AF(Y)/T10890CNB-2 three-bladed propeller assembly in accordance with Descriptive Data List No. 208-3BP-DL dated October 10, 2001, or later FAA approved revision.

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: 5/16/2000  
Date reissued: November 8, 2001  
Date of issuance: 10/16/2001  
Date amended: September 11, 2003  
June 29, 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: SA02181AK*

**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: SA02181AK

Hartzell Propeller Inc  
Date of amendment June 29, 2016

Limitations and Conditions continued:

3. Airplane Flight Manual Supplement, document number 208-3BP-AFMS dated October 17, 2001, or later FAA approved revision is required.
4. Maintenance Manual Supplement, document number 208-3BP-MMS dated May 12, 2000, or later FAA approved revision is required.
5. This modification did not increase the propeller noise level and was not considered an acoustical change as defined in 14 CFR 21.93(b).
6. Limited to aircraft equipped with PT6A-114 and PT6A-114A engines only.
7. Revised Type Certificate Data Sheet information:

Propeller and Propeller Limits:

Hartzell aluminum three-bladed, constant speed, full feathering, reversible  
Models: HC-B3TN-3AF(Y)/T10890CN-2 (No propeller ice protection)  
HC-B3TN-3AF(Y)/T10890CNK-2 (Electric de-ice system on propeller)  
HC-B3TN-3AF(Y)/T10890CNB-2 (Fluid anti-ice system on propeller)

Diameter: 106 inches maximum, 104 inches minimum

Pitch setting at 42-inch radius:      Low:      8.0+/-0.2 degrees  
Feather:      79.0+/-1.0 degrees  
Reverse:      -21.0+/-0.5 degrees  
Start-lock:      -3.2+/-1.0 degrees (if installed)

END

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