

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA00719LA

This certificate issued to

Hartzell Propeller Inc.
One Propeller Place
Piqua, OH 45356-2634

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

(See Type Certificate Data Sheet 3A15 for the complete certification basis).

Original Product--Type Certificate Number: 3A15

Make: Raytheon Aircraft Company
Model: A36; G36

Description of Type Design Change:

Installation of a Hartzell PHC-C3YF-1RF/F8468A(B,K)-6R constant speed propeller per HPA36-1, Factory Installation of a Hartzell PHC-C3YF-1RF/F8468A(K)-6R Propeller and A-2295-2(P) Spinner on Raytheon A36, G36 (Bonanza) Aircraft, Revision F, dated April 8, 2005 and HPA36-1A, Instructions for Field Installation of Hartzell PHC-C3YF-1RF/F8468A(K)-6R Propellers on Raytheon A36, G36 (Bonanza) Aircraft, Revision F, dated April 8, 2005, or later FAA Approved revision.

Installation of March Aviation Co., Supplement No. HPA36-2, Pilot's Operating Handbook and FAA Approved Airplane Flight Manual Supplement to the Raytheon A36, G36 Bonanza POH & FAA Approved AFM, dated December 31, 1998, or later FAA Approved revision, is required as part of this installation.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. FAA Approved Airplane Flight Manual Supplement, HPA36-2, Raytheon A36, G36 Bonanza POH & FAA Approved AFM, Revision A, dated April 6, 2005, or later FAA Approved revision is required.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

(Continued....)

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

Date of application: May 21, 1998

Date reissued: February 5, 1999

Date of issuance: December 31, 1998

Date amended: May 25, 2005



By direction of the Administrator

(Signature)

Thaddeus D. Krolicki, Jr.
Manager, Propulsion Branch
Chicago Aircraft Certification Office

(Title)

United States of America
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Supplemental Type Certificate
(Continuation Sheet)

Number SA00719LA

Limitation and Conditions continued...

Engine: Continental IO-550-B only

Propeller and Propeller Limits: Hartzell PHC-C3YF-1RF/F8468A(B,K)-6R
Hub Model: PHC-C3YF-1RF
Blade Model: F8468A(B,K)-6R
Diameter: 80 inches Maximum
78 inches Minimum

Pitch Setting at 30 inch station:
High: 36.0 ± 1.0 degrees
Low: 13.0 ± 0.2 degrees

Spinner: Hartzell A-2295-2(P)
Spinner mounting kit A-2476-7

Governor: Woodward D210760 or
McCauley C290D3-X/T23

Note: Noise Characteristics: This modification did not increase the noise level of the airplane and was not considered an "acoustical change" as defined in 14 CFR 21.93(b), Amendment 21-75.

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