

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA1063CE

This certificate, issued to Bob or Barbara Williams
 Box 608
 Udall, KS 67146

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 3.242(a) of the Civil Air Regulations which is as defined by Amendment 3-14 dated March 13, 1956, superseding FAR 3.242.

Original Product — Type Certificate Number: 1A10
Make: Piper
Model: PA-23-250 (landplanes), Serial Numbers 27-2505 through and including 27-74-05471

Description of Type Design Change:

Installation of two Hartzell HC-E3YR-2AF/FC7663-2R propellers and C-3269A or 82D3273P spinners in accordance with data presented on Doyn Drawing 2101, Rev. B dated September 25, 1974, or later FAA approved revisions.

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Data Required: Drawing 2101, Rev. B, dated September 25, 1974, or later FAA approved revisions, Doyn Drawing 2102 (Flight Manual Supplement) dated September 25, 1974, or later FAA approved revisions, a copy of this certificate and continuation sheets and Hartzell Owner's Manual, Number 115D.

Limitations and Conditions: The limitations and conditions of Aircraft Specification No. 1A10, dated November 5, 1971, apply except as outlined on pages 2 through 3 of this STC. A copy of this STC and Continuation Sheets must be included in the permanent records of each airplane modified in accordance with this STC. This approval should not be extended to other specific airplanes on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness *This certificate and the supporting data which is the basis for approval shall remain in effect until sur-*

rendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: February 8, 1974

Date reissued: July 30, 1976; February 3, 1983

Date of issuance: November 6, 1974

Date amended:



By direction of the Administrator

Don P. Watson
 (Signature)

Don P. Watson
 Manager, Aircraft Certification Division
 Southwest Region
 (Title)

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 in accordance with FAR 21.47.

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 (Continuation Sheet)

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Limitations and Conditions (Continued):
 of the airplane. Parts manufactured under this STC may have been produced without an FAA approved quality control procedure. Prior to installation, such parts must be inspected for conformity and airworthiness in accordance with FARs 21 and 43.

III Model PA-23-250 (Navy UO-1) Approved November 6, 1974; 5 PCLM (Normal Category) or 6 PCLM (Normal Category) approved November 6, 1974, when Item 603(b) is installed.

Serial Nos. Eligible 27-2505 through 27-74-05471

Required Equipment (Serial No. 27-2505 through 27-3836, 27-3838 through 27-3943 at 4800 lb. maximum weight):
 Add 1(o), 3(e) and 3(f).

(Serial No. 27-2505 through 27-3836, 27-3838 through 27-3943 at 5200 lb. maximum weight):
 Add 1(o), 3(e) and 3(f).

(Serial No. 27-3837, 27-3944 through 27-4425, 27-4427 through 27-4573): Add 1(o), 3(e) and 3(f).

(Serial No. 27-4426, 27-4574 through 27-74-05471):
 Add 1(o), 3(e) and 3(f).

Production Basis: None. Parts manufactured under this STC may have been produced without an FAA approved quality control procedure. Prior to installation, such parts must be inspected for conformity and airworthiness in accordance with FARs 21 and 43. Prior to returning modified aircraft to service, conformity with approved installation data must be determined.

<u>Propellers and Propeller Accessories</u>	PA-23-160	PA-E23-250 PA-23-235 PA-23-250
1. (o) Hartzell HC-E3YR-2AF with FC7663-2R blades. Pitch settings at 30 in. sta.: Low 13.0°, High 80.0° (feathered) Diameter: Not over 76.0 in., not under 75.0 in.	81.0 lb. eac.	- (+24)

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Limitations and Conditions (Continued)

PA-23-160 PA-E23-250
PA-23-235
PA-23-250

Eligible only on PA-23-250, Serial
Nos. 27-2505 through 27-74-05471
when installed in accordance with
STC SA1063CE. Not to be intermixed
with other propellers.

3. Two propeller spinners

(e) Hartzell spinner assembly C-3269A. 5.7 lb. ea. (+24)
Eligible only on PA-23-250, S/N
27-2505 through 27-74-05471 when
Item 1(o) is installed in accordance with STC SA1063CE.

(f) Hartzell spinner assembly 5.7 lb. ea. (+24)
62D3273P. Eligible only on PA-23-250,
S/N 27-2505 through 27-74-05471 when
Item 1(o) is installed in accordance
with STC SA1063CE.

Interior Equipment

401. (CR) Doyn Drawing 2102 which is FAA approved Flight Manual Supplement
dated September 25, 1974, is required on PA-23-250, S/N 27-2505
through 27-74-05471 when Items 1(o) and 3(e) or (f) are installed
in accordance with STC SA1063CE.

Deicing Equipment (Propeller, Wing and Windshield)

504. (a) Not eligible when Item 1(o) is installed.

(b) Not eligible when Item 1(o) is installed.

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