

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

Number SA8125SW

This Certificate issued to RAM Aircraft, Limited Partnership
7505 Karl May Drive
Waco, TX 76708

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.

Original Product Type Certificate Number: A7CE
Make: Cessna
Model: 414A

Description of Type Design Change:

OPTION 1: Install vortex generators in accordance with RAM Aircraft Corp., drawing No. 1507, Rev. C dated March 11, 1992, or later FAA approved revision. No change to the Airplane Flight Manual. OPTION 2: Install vortex generators in accordance with RAM Aircraft Corporation Drawing No. 1507, Rev. C dated March 11, 1992, or later FAA approved revision. See Option 2 in limitations for appropriate Flight Manual Supplement.

Limitations and Conditions:

(See continuation sheet 3 of 3)

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: September 05, 1991

Date reissued: 10/8/01; 9/20/02

Date of issuance: November 15, 1991

Date amended: 05/22/92, 12/07/93,
08/23/94 Revision 3



By direction of the Administrator

(Signature)
S. Frances Cox, Manager
Special Certification Office,
Southwest Region

(Title)

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA8125SW

Date of Issuance: November 15, 1991

Amended Date: August 23, 1994

Reissuance Date: September 20, 2002

Limitations and Conditions (Continued):

Compatibility of this design change with previously approved modifications must be determined by the installer. 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.

The following aircraft are approved for this modification:

Option 1:

- (a) Cessna 414A modified per STC SA4943SW (Increased Gross Weight/Winglets).
- (b) Cessna 414A modified per STC SA4943SW and SA7463SW (Increased Gross Weight/Winglets and Engine Modifications).
- (c) Cessna 414A modified per STC SA4943SW and STC SA4546SW (Increased Gross Weight/Winglets, and Increased Horsepower).
- (d) Cessna 414A unmodified.
- (e) Cessna 414A modified per STC SA7463SW.
- (f) Cessna 414A modified per STC SA4546SW.

Option 2:

- (a) Cessna 414A modified per STC SA4943SW. Flight Manual Supplement FM1021 dated 11/15/91, or later FAA approved revision, is required.
- (b) Cessna 414A modified per STC SA4943SW and SA7463SW. Flight Manual Supplement FM1022 dated 11/15/91, or later FAA approved revision is required.
- (c) Cessna 414A modified per STC SA4943SW and SA4546SW. Flight Manual Supplement FM1023 dated 11/15/93, or later FAA revision is required.
- (d) Cessna 414A unmodified. Flight Manual Supplement FM1027 dated 03/16/92, or later FAA approved revision is required.
- (e) Cessna 414A modified per STC SA7463SW. Flight Manual Supplement FM1028 dated 03/16/93, or later FAA revision, is required.
- (f) Cessna 414A modified per STC SA4546SW. Flight Manual Supplement FM1029 dated 03/16/92, or later FAA approved revision, is required.

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