

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

Number SA4379SW

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: 414

Description of Type Design Change:

Installation of Teledyne Continental TSIO-520-NB engines as modified by STC SE4327SW and Hartzell PHC-C3YF-2UF/FC7663D-2Q or PHC-C3YF-2UF/FC7663DB-2 propellers or McCauley 3AF32C93/82NC-6.0 to -7.0 or 3AF32C505/82NEA-6.0 to -7.0 propellers in accordance with Drawing No. 1011, Revision K, dated August 15, 1990, or later FAA approved revision, or McCauley 3AF32C515/82NLA-4.0 propellers in accordance with RAM Drawing No. 1662, no revision, dated 01/7/94, or later FAA approved revision. Increase maximum takeoff weight to 6510 lbs. and increase maximum continuous power to 325 h.p. per engine. Maximum ramp weight is 6550 lbs.

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: March 30, 1981

Date reissued: October 8, 2001

Date of issuance: July 24, 1981

Date amended: 11/20/85, 1/21/86,
9/25/86, 8/16/90, 11/17/94



By direction of the Administrator

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

(Title)

United States Of America
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(Continuation Sheet)

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Date of Issuance: July 24, 1981
Reissuance Date: October 8, 2001

Limitations and Conditions (Continued):

1. FAA Approved Airplane Flight Manual Supplement dated July 24, 1981, is required or Supplement dated November 20, 1985, Revision 1 dated January 21, 1986, is required when aircraft gross weight is increased and engines are modified per STC SE4327SW to increase maximum continuous power.
2. FAA Approved Airplane Flight Manual Supplement dated September 4, 1986, is required with aircraft engines modified per STC SE4327SW incorporating RAM economy camshaft and aircraft gross weight increase.
3. FAA Approved Flight Manual Supplement FM1056 dated 11/10/94, Revision A, or later FAA approved revision, is required when aircraft is equipped with McCauley propellers, engines are modified per STC SE4327SW and aircraft gross weight is increased.
4. Maximum continuous power and gross weight increases are valid only when aircraft engines are modified per SE4327SW.

Compatibility of this modification with previously installed equipment must be determined by 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

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