

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

Number SA00241BO

This Certificate issued to
Aerodyme Corp.
274 Valley Road
South Burlington, VT 05403

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 23 of the Federal Aviation Regulations.

Original Product Type Certificate Number: A12SO
Make: Commander
Model: 114, 114A, 114B, 114TC

Description of Type Design Change:

Installation of a Lycoming IO-580-B1A engine/Hartzell HC-C3YR-1RF/F7693F or HC-M3YR-1RF/F7693F propeller in accordance with Aerodyme 114/A/B/TC 320 HP Engine Conversion Installation Instructions, dated July 20, 2006, or later FAA-approved revisions.

Limitations and Conditions:

1. Aerodyme Flight Manual Supplement for Lycoming IO-580-B1A in Rockwell/Commander Models 114/A/B/TC, dated June 2, 2006, or later FAA-approved revisions, is required and must be carried in the aircraft during all flights.
2. This installation is to be maintained in accordance with Aerodyme 114/A/B/TC 320HP Engine Conversion Instructions for Continued Airworthiness, dated July 11, 2006, or later FAA-approved revisions.
3. 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 a product, the holder must give the other person written evidence of that permission.

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: January 19, 2005

Date reissued:

Date of issuance: July 27, 2006

Date amended:

By direction of the Administrator



(Signature)

Robert G. Mann
Manager, Boston Aircraft Certification Office

(Title)

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

Number SA00241BO

Certification Basis:

The certification basis for this STC as shown on TCDS A12SO is:

FAR 23, effective February 1, 1965, including Amendments 1 thru 7. FAR 36, effective February 3, 1975, Models 114, 114A, 114B and 114TC.

And regulations at the following amendment level:

21.93, amdt. 27, 23.903, amdt. 14, 23.603, amdt. 23, 23.173, amdt. 34, 23.1101, .1103, amdt. 43, 23.181, .361, .613, amdt. 45, 23.53, .63, .65, .143, .161, .201, .203, .233, .611, .865, .1521, .1543, .1581, amdt. 50, 23.907, .955, .1091, .1093, .1105, .1107, amdt. 51, 23.901, amdt. 53.

This STC Amends TCDS A12SO as Follows:

Engine	Lycoming IO-580-B1A
Propeller and Propeller limits	Hartzell Constant Speed , Model HC-C3YR-1RF/F7693F or HC-M3YR-1RF/F7693F Blade: Model F7693F Pitch: High $31.0 \pm 1.0^\circ$, Low $13.3 \pm 0.2^\circ$ at Reference Radius 30" Diameter: Not over 78", no reduction allowed Governor: Hartzell V-5-11 Spinner: D-7709P Limitations: None

-END-