United States of America

Department of Transportation—Federal Aviation Administration

# Supplemental Type Certificate

*Number* SA2096NM

*This certificate, issued to* Ameromod Corporation

*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:* A11EA

*Make:* Grumman American

*Model:* AA-1C

*Description of Type Design Change:* Installation of a Lycoming O-320-D2H and a Sensenich Propeller Model 74DM7S10.5-0-62 per Ameromod Corporation Photographs 1 thru 3.

*Limitations and Conditions:* Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Grumman American AA-1C, Serial Number AA1C-0116 only. A copy of this Certificate and Addendum shall be maintained as part of the permanent records for the modified aircraft.

*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:* August 10, 1982

*Date of issuance:* May 26, 1983

*Date reissued:*

*Date amended:*

*By direction of the Administrator*

Donald M Pedersen

acting

Manager, Seattle Aircraft Certification Office

*(Signature)*

*(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.*

FAA Form 8110-2 (10-68)

United States of America
Department of Transportation—Federal Aviation Administration

# Supplemental Type Certificate

## (Continuation Sheet)

*Number* SA2096NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2096NM

The conditions and limitations of Type Certificate Data Sheet No. A11EA apply except where superseded by the following:

This Supplemental Type Certificate Addendum, which is part of STC SA2096NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations. A copy of this STC Addendum is required to be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Ameromod Corporation.

I. MODEL AA-1C, T-CAT/LYNX, 2PCLM, UTILITY CATEGORY, AS MODIFIED BY STC SA2096NM

| | |
|---|---|
| Engine: | Lycoming O-320-D2H |
| Fuel: | 100/100LL octane minimum grade aviation gasoline |
| Engine Limits: | Takeoff 2700 rpm (160 Hp) @ sea level<br>Maximum continuous power - 2700 rpm full throttle |
| Propeller and Propeller Limits: | Sensenich 74DM7S10.5-0<br>Diameter: 74" maximum; 72" minimum<br>Spinner: Gulfstream American SK 143-1 |
| Powerplant Instruments: | Mark instruments as follows:<br>Oil Temperature:<br>Red Line 245°F - maximum<br><br>Oil Pressure:<br>Green Arc 60 to 90 psi - normal operating range<br>Red Line 25 psi minimum; 100 psi maximum<br><br>Tachometer:<br>Red Line 2700 rpm - maximum<br><br>Fuel Pressure:<br>Green Arc .5 to 8 psi - normal operating range<br>Red Line 8 psi - maximum at sea level<br><br>Cylinder Head Temperature (Well-Type Thermocouple):<br>Red Line 500°F - maximum (Continued on page 4). |

*Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.*

United States of America

Department of Transportation—Federal Aviation Administration

# Supplemental Type Certificate

## (Continuation Sheet)

*Number* SA2096NM

| | |
|---|---|
| C. G. Range: | See Type Certificate Data Sheet A11EA |
| Maximum Weight: | See Type Certificate Data Sheet A11EA |
| Placards: | The following placard is to be in front and in full view of the pilot: |

CAUTION

BALLAST IN BAGGAGE COMPARTMENT REQUIRED ON ALL FLIGHTS. PERFORM WEIGHT AND BALANCE ANALYSIS PRIOR TO EACH FLIGHT.

Change marking by fuel tank ports to read:

100/100LL OCTANE MINIMUM GRADE AVIATION GASOLINE

- END -

*Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.*