United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number **SA980NW**

This certificate, issued to **Machen, Inc.**
10555 Airport Drive
Coeur d'Alene Airport
Hayden Lake, ID 83835

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: A17WE
Make: Aerostar
Model: PA-60-600, -601, -601P, -602P

Description of the Type Design Change: Installation of Lycoming LT10-, T10-540-J2BD(MA) engines, Hartzell HC-C3YR-2LUF/FJC-8468B-10Q and HC-C3YR-2UF/FC-8468B-10Q or Hartzell HC-C3YR-2LUF/FJC-8468DB-14 and HC-C3YR-2UF/FC-8468DB-14 or Hartzell HC-C3YR-2LUF/FJC-8468DB-14(MM) and Hartzell HC-C3YR-2UF/FG8468DB-14(MM) propellers, aerodynamic performance package, and associated systems in accordance with Machen, Inc., Report No. 66-1. This installation provides for an increase in maximum takeoff gross weight to 6315 pounds for the 601P and 602P models.

Note: Do not mix (MM) blades with non-(MM) blades on the same propeller hub.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft.

(See "Continuation Sheet" Page 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: August 25, 1978
Date of issuance: July 16, 1980
Date reissued:
Date amended: 04/10/81; 02/24/83; 06/01/83; 10/18/96; 11/01/98

By direction of the Administrator

(Signature)

Acting Manager, Seattle Aircraft Certification Office

(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

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Supplemental Type Certificate

(Continuation Sheet)

Number **SA980NW**

Machen, Inc.
Reissued:
Amended: 04/10/81; 02/24/83; 06/01/83; 10/18/96; 11/01/98

Limitations and Conditions continued:

A copy of this certificate and appropriate FAA Approved Airplane Flight Manual Supplement for the Aerostar Models 600 and 601 as amended April 10, 1981, or later FAA approved revision, or FAA Approved Airplane Flight Manual Supplement for Aerostar Models 601P and 602P as amended June 1, 1983, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft. The existing King KFC-200 Autopilot installed under King Radio STC SA1184CE is considered applicable and requires no change or special information when installed with the Machen conversion under STC SA980NW.

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