United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA5661NM

This certificate, issued to Raisbeck Engineering

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: A14CE

Make: Beechcraft

Model: 100/A100

Description of Type Design Change: Installation of Hartzell/Raisbeck Quiet Turbofan Propellers and increased takeoff gross weight on the Beechcraft King Air 100/A100 airplanes in accordance with Raisbeck Engineering Drawing List 91-2500, Revision B, dated July 20, 1992.

Limitations and Conditions: Approval of this change in type design applies basically to the above aircraft model only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate must be maintained as part of the permanent records for the modified aircraft. The airplane must be operated in accordance with the FAA-approved flight manual Supplement, Raisbeck Engineering Document No. 91-100/A100.

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: November 21, 1990

Date of issuance: December 26, 1991

Date reissued:

Date amended: July 30, 1992

By direction of the Administrator

(Signature)

Assistant Manager, Seattle Aircraft Certification Office, ANM-100S

(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)

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Supplemental Type Certificate

(Continuation Sheet)

Number SA5661NM

LIMITATIONS.

The conditions and limitations of Type Certificate Data Sheet A14CE apply except where superseded by the following:

Propellers and Propeller Limits.

2 Hartzell HC-D4N-3C hubs with
Hartzell D9290K blades in pairs
Diameter 93.0 in. (maximum); minimum allowable for repair: 92.0 in. No further reduction permitted.
Pitch Settings:
Low Pitch 20.1 ± 0.1 degrees Reverse -9.0 ± 0.5 degrees
Feathered +84 to 85 degrees

Stabilized ground operation is prohibited below 1100 RPM, except that with propeller feathered, operation at or below 400 RPM is permissible.

Airplane and Engine Models.

This change in type design applies only to the Beechcraft Model airplanes listed below with their respective approved engines.

Airplane Model	Engines
100	2 United Aircraft of Canada Ltd., or Pratt and Whitney, PT6A-28.
A100	2 United Aircraft of Canada Ltd., or Pratt and Whitney, PT6A-28, PT6A-34.

- END -

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.