

Department of Transportation - Federal Aviation Administration

# Supplemental Type Certificate

*Number* SA02473SE

*This certificate, issued to*

**Raisbeck Engineering  
4411 South Ryan Way  
Seattle, WA 98178**

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.*

<i>Original Product—Type Certificate Number:</i>	A24CE
<i>Make:</i>	Beechcraft Corporation
<i>Model:</i>	B300, B300C, B300C (MC-12W), B300C (UC-12W)

*Description of the Type Design Change:* Installation of Raisbeck/Hartzell Swept Blade Turbofan Propellers in accordance with Raisbeck Engineering Master Drawing List 15BC-61-000, Revision IR, dated January 28, 2016, or later Federal Aviation Administration (FAA) approved revision. This installation requires the incorporation of Supplemental Type Certificate (STC) SA5151NM which installs Raisbeck Dual Aft Body Strakes.

*Limitations and Conditions:* Approval of this change in type design applies to the above model aircraft only. This modification should not be installed on aircraft on which other previously approved modifications are incorporated unless it is determined by the installer 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. Aircraft must be operated in accordance with the applicable FAA-approved Airplane Flight Manual Supplement (AFMS) listed in Raisbeck Engineering Document 15-350S-ORL, Revision IR, dated January 28, 2016, or later FAA-approved revision. Aircraft must be maintained in accordance with Raisbeck Engineering Maintenance Manual Document No. 85-120, Revision Y, dated December 18, 2015, or later FAA-approved revision.

(See Continuation Sheet Page 3 of 4 Pages)

*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 17, 2015

*Date reissued:*

*Date of issuance:* February 2, 2016

*Date amended:*



*By direction of the Administrator*

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
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.*

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# Supplemental Type Certificate

## (Continuation Sheet)

*Number* SA02473SE

### Raisbeck Engineering

*Issued:* February 2, 2016

*Reissued:*

*Amended:*

*Limitations and Conditions continued:*

This STC is only approved for installation on the above model aircraft when the aircraft is operated in the commuter category under the provision of Type Certificate Data Sheet A24CE. This STC is not approved for installation on the above model aircraft when the aircraft is operated in the restricted category under the provision of Type Certificate Data Sheet A24CE. A copy of this certificate, FAA-approved AFMS, and Maintenance Manual Supplement must be maintained as part of the permanent records for the modified aircraft.

### Engine Limitations:

This STC is not approved for installation on the Pratt & Whitney of Canada, Ltd. PT6A-67A turboprop engine. This STC is approved for installation on the following engine variant:

Engine: Pratt & Whitney of Canada, Ltd. PT6A-60A

### Propellers and Propeller Limitations:

For 2 Hartzell HC-E4P-3K Hubs with Hartzell E10479SK Blades in Pairs.

Diameter 105.0 inches (Maximum); Minimum allowable for repair: 104.0 inches  
No further reduction in diameter permitted.

Pitch Settings:

Low Pitch:	+17.1 deg	±0.1 deg
Reverse:	-14.0 deg	±0.5 deg
Feathered:	+78.0 deg	±0.5 deg

Stabilized ground operation is prohibited below 1050 RPM, except with the propeller feathered, operation at or below 400 RPM is permissible.

### Weight Limitations:

This STC is not approved for operation at increased gross weights per Beechcraft Drawings 130-4402, 130M000030, 130-4014, 130M000009, 130-4030. The maximum allowed weights are:

Ramp:	15,100 lb
Takeoff:	15,000 lb
Landing:	15,000 lb
Zero fuel:	12,500 lb

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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*This certificate may be transferred in accordance with FAR 21.47.*