

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

*Number* SA00112SE

*This certificate, issued to:*

**BLR Aerospace, LLC  
3102 100th Street SW  
Everett, WA 98204**

*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.*

*Original Product—Type Certificate Number:* A12CE  
*Make:* Beech  
*Model:* 60, A60, and B60

*Description of the Type Design Change:* System includes vortex generators, winglets, and gross weight increase defined by the data listed below or later FAA-approved revisions.

Winglets: Manufactured in accordance with Document AA1199, Revision A, dated August 08, 1994.  
Installed in accordance with Document AA1200, Revision A, dated August 01, 1994.  
Maintained in accordance with Document AA1203, initial release, dated August 01, 1994.

Vortex generators must have been installed in accordance with STC SA5761NM.

*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. A copy of this Certificate, the Continuation Sheets, and FAA-Approved Flight Manual Supplement (FMS) as listed on the continuation sheets, must be maintained as part of the permanent records for the modified aircraft.

(See Continuation Sheets on Pages 3 and 4)..

*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:* March 09, 1994  
*Date of issuance:* August 23, 1994

*Date reissued:* November 23, 2009  
*Date amended:*



*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.*

# Supplemental Type Certificate

## (Continuation Sheet)

*Number* SA00112SE

**BLR Aerospace, LLC**

*Issued:* August 23, 1994

*Reissued:* November 23, 2009

*Limitations and Conditions continued:*

This Continuation Sheet, which is part of STC SA00112SE, prescribes the conditions and limitations under which the product for which the STC was issued meets the standards for airworthiness of the Federal Aviation Regulations.

The conditions and limitations of Type Certificate Data Sheet Number A12CE apply except where superseded by the following:

Flight Manual Supplement (FMS) Number AFMS-B60-2 (required by vortex generator STC SA5761NM) must be replaced with AFMS-B60-3, dated August 23, 1994, or later FAA-approved revision when this modification is installed.

The modification approved in this STC may only be installed on aircraft which were originally certified for a maximum landing weight of 6775 pounds and are equipped with 10 ply rated tires. (Refer to Type Certificate Data Sheet Number A12CE)

The system consists of two winglets and ninety-eight vortex generators on the wing and vertical tail of the airplane.

There may be a maximum combined total of four vortex generators missing from the wing and/or vertical tail before replacements must be installed.

If any of the ninety-eight vortex generators are missing, the airplane must be operated within the limitations of the basic airplane flight manual until replacements are installed.

<b>Airspeed Indicator</b>	Never Exceed Speed (red radial).....	230 knots
<b>Markings and</b>	Caution Range (yellow arc).....	199 to 230 knots
<b>Airspeed</b>	Normal Operating Range (green arc) .....	78 to 199 knots
<b>Limitations (IAS):</b>	Flaps Operating Range (white arc)	
	(60/A60 series, S/N P-3 thru P-246).....	70 to 137 knots
	(B60 series, S/N P-247 thru P-597).....	70 to 140 knots
	Single-Engine Best Rate-of-Climb Speed (blue radial)..	112 knots
	Minimum Single-Engine Control Speed (red radial) .....	77 knots
	Maneuvering Speed (V <sub>A</sub> ).....	159 knots
<b>Maximum Weights:</b>	Ramp.....	7039 pounds
	Takeoff .....	7000 pounds
	Landing.....	6775 pounds
	Zero Fuel.....	6775 pounds

(See Continuation Sheet on Page 4)..

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# Supplemental Type Certificate

(Continuation Sheet)

*Number* SA00112SE

**BLR Aerospace, LLC**

*Issued:* August 23, 1994

*Reissued:* November 23, 2009

*Limitations and Conditions continued:*

**CG Range** +138.0 inches to +139.2 inches at 7000 pounds  
**(Landing Gear** +134.6 inches to +139.2 inches at 6775 pounds  
**Extended):** +128.0 inches to +139.2 inches at 5100 pounds or less  
Straight line variation between points given.

**Placards:** Change all references to  $V_A$  values on placards to 159 KIAS.  
Change all references to  $V_{MCA}$  values on placards to 77 KIAS.  
On inside of cabin door:

**DO NOT JACK OR TOW THIS AIRCRAFT AT GROSS WEIGHTS  
ABOVE 6819 POUNDS  
FOR TAKE-OFF WEIGHTS OVER 6775 POUNDS,  
ADDITIONAL WEIGHT MUST BE ADDED IN FUEL ONLY.**

- END -