

Department of Transportation - Federal Aviation Administration

## Supplemental Type Certificate

*Number* SA00392SE*This certificate, issued to***AeroAcoustics Aircraft Systems, Inc.  
9802 29<sup>th</sup> Ave. W., Hangar B-104  
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:* A37CE*Make:* Cessna*Model:* 208B

*Description of the Type Design Change:* Fabrication of AeroAcoustics Aircraft Systems, Inc. (AASI) AeroAcoustics Payload Extender II System in accordance with AASI Master Drawing List No. AA1296, Revision G, dated January 3, 2013, or later Federal Aviation Administration (FAA) approved revision; and installed in accordance with AASI Installation Manual No. AA1297, Revision D, dated January 3, 2013, or later FAA-approved revision.

*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 this model 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.

This installation must be maintained in accordance with Section 3.0 of AASI Installation Manual No. AA1297, Revision D, dated January 3, 2013, or later FAA-accepted revision. A copy of this certificate and FAA-approved Airplane Flight Manual Supplement, or later FAA-approved revision, must be maintained as part of the permanent records for the modified aircraft.

(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:* July 31, 1996*Date reissued:* May 13, 2008*Date of issuance:* December 6, 1996*Date amended:* 11/17/03; 2/21/13*By direction of the Administrator*

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*(Signature)*

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Acting Manager, Seattle Aircraft Certification Office*(Title)*

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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.**

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

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# Supplemental Type Certificate

## (Continuation Sheet)

*Number* SA00392SE

### AeroAcoustics Aircraft Systems, Inc.

*Issued:* December 6, 1996

*Reissued:* May 13, 2008

*Amended:* 11/17/03; 2/21/13

*Limitations and Conditions continued:*

The conditions and limitations of the Type Certificate Data Sheet No. A37CE apply except where superseded by the following:

**Applicability:** This modification is limited to the following landplanes only:

Model	Serial Numbers
208B	208B0179, 208B0230 and up, and aircraft modified by Cessna Kit SK208-80, 208B5000 and up

**LIMITATIONS for SN 208B0179, 208B0230 and up, and aircraft modified by Cessna Kit SK208-80 (LAND PLANES ONLY):**

**CG Range:** (Takeoff and Flight)  
 +179.6 inches at 5500 pounds or less  
 +193.37 inches at 8000 pounds  
 +199.15 inches at 8750 pounds (Takeoff only)  
 +200.23 inches at 9062 pounds (Takeoff only)  
 +204.35 inches at 9062 pounds (Takeoff only above 8500 pounds)  
 Straight line variation between points given

**Required Flight Manual Supplement:** Aircraft with PT6A-114A (675 SHP engine) Document No. AFMS-C208-7 dated December 6, 1996, or later FAA approved revision

**LIMITATIONS for SN 208B2197, 208B5000 and up (LAND PLANES ONLY)**

**CG Range:** (Takeoff and Flight)  
 +185.0 inches at 6500 pounds or less  
 +193.37 inches at 8000 pounds  
 +199.15 inches at 8807 pounds (Takeoff only)  
 +200.00 inches at 9062 pounds (Takeoff only)  
 +204.35 inches at 9062 pounds (Takeoff only above 8500 pounds)  
 Straight line variation between points given

**Required Flight Manual Supplement:** Aircraft with PT6A-140 (867 SHP engine) Document No. AFMS-C208-74 dated February XX, 2013, or later FAA approved revision

*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* SA00392SE

**AeroAcoustics Aircraft Systems, Inc.**

*Issued:* December 6, 1996

*Reissued:* May 13, 2008

*Amended:* 11/17/03; 2/21/13

*Limitations and Conditions continued:*

**Limitations Pertaining to all Eligible Models**

**Limit Speeds (IAS):** Maneuvering Speed at 9062 lb ..... 143 knots

**Maximum Weights**  
Ramp: ..... 9097 pounds  
Takeoff: ..... 9062 pounds  
Landing: ..... 8500 pounds

**Limit Factor** Flaps up: ..... +3.36, -1.34  
**Limits (g's):** Flaps down (all settings): ..... +2.00

**Placards:** On each side of nose strut fairing near tow limit marking:

**DO NOT JACK OR TOW THIS AIRCRAFT  
AT GROSS WEIGHTS ABOVE 8785 LB**

Near the airspeed indicator so as to overlay the existing airspeed limitation placard:

“143 KIAS”

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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