

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

Number SA5907NM

This certificate, issued to:

**AeroAcoustics Aircraft Systems, Inc
9802 29th Avenue West, 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: 208

Description of the Type Design Change: Fabrication of AeroAcoustics Aircraft System (AASI) Aircraft Payload Extender I gross weight increase system in accordance with AASI Master Drawing List Document AA1106, Revision D, dated January 18, 1994, or later Federal Aviation Administration (FAA) approved revision; and installed in accordance with AASI Installation Manual Document AA1107, Revision A, dated January 18, 1994, 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 series unless the installer determines that the relationship between this change and any other previously incorporated approved modifications, including change in type design, will introduce no adverse effect upon the airworthiness of that aircraft.

(See Continuation Sheet on Page 3)

A copy of this Certificate, Continuation Sheets, and FAA-approved Airplane Flight Manual Supplement listed on Page 3 or 4 of the Continuation Sheets must be maintained as part of the permanent records for the modified aircraft.

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.

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: October 01, 1992 *Date reissued:* August 20, 1993; May 13, 2008
Date of issuance: July 09, 1993 *Date amended:* February 02, 1994; November 17, 2003;
April 30, 2010



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.

DepartmentofTransportation_FederalAviationAdministration

Supplemental Type Certificate

(Continuation Sheet)

Number SA5907NM

AeroAcoustics Aircraft Systems, Inc

Issued: July 09, 1993

Reissued: August 20, 1993; May 13, 2008

Amended: February 02, 1994; November 17, 2003; April 30, 2010

Limitations and Conditions continued:

This Continuation Sheet, which is part of STC No. SA5907NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness of the Federal Aviation Regulations.

The conditions and limitations of the Type Certificate Data Sheet No. A37CE (and/or STC SA1311GL for float equipped airplanes) apply, except where superseded by the following:

APPLICABILITY: This modification is limited to the following landplanes only:

<u>MODEL:</u>	<u>SERIAL NUMBERS</u>
208	20800001 through 20800060 (eligible only if modified by Cessna Kit SK-208-12)
208	20800061 and up

This modification is also applicable to the following aircraft equipped with Wipline Model 8000 seaplane or amphibious floats in accordance with STC No. SA1311GL only (float equipped aircraft other than those modified via STC SA1311GL are not eligible for this modification):

<u>MODEL:</u>	<u>SERIAL NUMBERS</u>
208	20800014 and up

Limitations Pertaining to Applicable Landplanes Only:

FLIGHT MANUAL SUPPLEMENT: AIRCRAFT with PT6A-114 (600 SHP)
Aircraft must be equipped with the following flight manual supplement:
Document No. AFMS-C208-1, initial release, dated July 09, 1993,
or later FAA-approved revision

AIRSPED LIMITS (IAS): Maneuvering Speed: at 8210 pounds 150 knots

C.G. RANGE: TAKEOFF and FLIGHT
Forward: 162.41 inches aft of datum at 4200 lbs or less
174.66 inches aft of datum at 8210 lbs
Aft: 184.35 inches aft of datum at 8210 lbs or less
Straight line variation between points given

PLACARDS: On each side of the nose strut fairing, near the tow limit marking, and near the nose jacking point on the left side on the nose wheel strut fairing:

"DO NOT JACK OR TOW THIS AIRCRAFT
AT GROSS WEIGHTS ABOVE 8035 POUNDS"

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 SA5907NM

AeroAcoustics Aircraft Systems, Inc

Issued: July 09, 1993

Reissued: August 20, 1993; May 13, 2008

Amended: February 02, 1994; November 17, 2003; April 30, 2010

Limitations and Conditions continued:

Limitations Pertaining to Applicable Seaplane or Amphibious Float Equipped Airplanes Only:

FLIGHT MANUAL SUPPLEMENT: Aircraft must be equipped with the appropriate flight manual supplement as listed below:

AMPHIBIOUS FLOAT EQUIPPED AIRPLANES:

Document No. AFMS-C208-4, initial release, dated February 02, 1994, or later FAA-approved revision

SEAPLANE FLOAT EQUIPPED AIRPLANES:

Document No. AFMS-C208-5, initial release, dated February 02, 1994, or later FAA-approved revision

AIRSPED LIMITS (IAS): Maneuvering Speed: at 8210 pounds 143 knots

C.G. RANGE: TAKEOFF and FLIGHT
 Forward: 165.47 inches aft of datum at 5200 lbs or less
 173.64 inches aft of datum at 8000 lbs
 175.63 inches aft of datum at 8210 lbs
 Aft: 182.68 inches aft of datum at 8210 lbs or less
 Straight line variation between points given

PLACARDS: On the outboard side of each float just aft of the leading edge bumper and above the chine:

"DO NOT JACK OR TOW THIS AIRCRAFT
 AT GROSS WEIGHTS ABOVE 8035 POUNDS"

Limitation Pertaining to all Applicable Models:

MAXIMUM WEIGHTS: Ramp: 8245 pounds
 Takeoff: 8210 pounds
 Landing: 7800 pounds

LOAD FACTOR LIMITS (g's):
 Flaps up +3.42, -1.37
 Flaps down +2.00

- 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.