

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
Number ST03727AT

This certificate issued to Jetaire Aerospace, LLC
1170 Peachtree Street, Suite 1200
Atlanta, GA 30309

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 4b of the Civil Air Regulations.

Original Product--Type Certificate Number A3WE
Make: Boeing
Model: 727-100 (See Continuation Sheet 3 of 3 for Eligibility)

Description of Type Design Change: Modification of auxiliary fuel tank system previously installed per Rogerson Aircraft Corporation, STC SA3810WE, by installing Reticulated Polyurethane Foam (RPF) inside the tanks to comply with auxiliary fuel tank SFAR 88 ignition mitigation means (IMM) option, in accordance with the following:

(See Continuation Sheet 3 of 3)

Limitations and Conditions FAA Approved Airplane Flight Manual Supplement (AFMS), 8021S0001 dated September 8, 2009 or later FAA Approved revision, and FAA Approved Instructions for Continued Airworthiness, 8021C0013 dated September 11, 2009 or later FAA Approved revision, are part of this STC. Future ICA revisions must be approved by the Atlanta Aircraft Certification Office. This approval should not be extended to this aircraft if other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any other previously approved modification will produce no adverse effect upon the airworthiness of this airplane. 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: March 04, 2009

Date reissued: :

Date of issuance: September 16, 2009

Date amended: September 22, 2009, October 4, 2010



By direction of the Administrator

(Signature)
Melvin D. Taylor, Manager
Atlanta 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.

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(Continuation Sheet)

Number ST03727AT

Date of Issuance: September 16, 2009

Amendment Date: September 22, 2009, October 4, 2010

Description of Type Design Change: (Concluded):

Tank modification per Jetaire Aerospace and Technology Drawing SF-00599, Revision B, dated August 11, 2009, SF00600, Revision B, dated August 11, 2009, and SF00601, Revision B, dated August 11, 2009 or later FAA Approved revisions.

Tank installations per Jetaire Aerospace and Technology Drawing S-0160, Revision None, dated July 20, 2009 or later FAA Approved revision.

Aircraft Weight and Balance Analysis per Jetaire Aerospace Technology Report Number 8021A0001.

Eligibility Continued:

<u>Model/Series</u>	<u>TCDS Number</u>	<u>Airplane Serial Number</u>	<u>Registration Number</u>
727-23	A3WE	20045	N800AK

Certification Basis:

Based on 14 CFR 21.115 and 21.101 and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Boeing 727-100 series is as follows:

- The type certification basis shown on TCDS A3WE remains the same for the parts not changed or not affected by the change.
- The certification basis for parts changed or affected by the change since the reference date of application, March 4, 2009, is based upon 14 CFR Part 25 as amended by Amendment 25-125. Based on 14 CFR 21.115 and 21.101 and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulation at the latest amendment 25-0 through 25-125

25.901, 25.981, 25.1529

14 CFR Part 26 Regulations

Based on 14 CFR § 21.101(g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the issuance date of this STC, compliance has been found for the following regulations: 14 CFR § 26.11.

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