United States of America

Department of Transportation—Federal Aviation Administration

# Supplemental Type Certificate

## *Number* ST00384SE

*This certificate, issued to*

**Quiet Wing Corporation**
**1715 114th Ave. SE, Suite 230**
**Bellevue, WA 98004**

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

*(See page 2 of this STC for the Certification Basis.)

*Original Product—Type Certificate Number:* A3WE
*Make:* Boeing
*Model:* 727 series

*Description of the Type Design Change:* Modification of the neutral settings of the inboard and outboard ailerons and aft flap segments in accordance with Winglet Systems, Inc. Master Drawing List, Document No. VA000009, Revision A, dated June 9, 1998 or later FAA approved revisions.

*Limitations and Conditions:* A copy of this certificate and Winglet Systems, Inc. Document no. VA000009 must be maintained as part of the permanent records for the modified aircraft. The modified airplane must be operated in accordance with Winglet Systems, Inc. Airplane Flight Manual (AFM) Supplement No. PK727904-xxx. FAA approval of particular serial number is indicated by an approved AFM supplement identifying the appropriate model series (-xxx) and listing effective serial numbers for that series. Approval of this change in type design applies to Boeing Model 727 series aircraft that are otherwise unmodified. Compatibility of this design change with previously approved modifications must be determined by the installer. This approval shall not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that 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:* June 14, 1993
*Date of issuance:* December 12, 1996

*Date reissued:* 4/30/2002; 3/31/2003
*Date amended:* 7/13/1999; 4/30/2002

*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.*

FAA Form 8110-2(10-68)

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# Supplemental Type Certificate

## (Continuation Sheet)

*Number* **ST00384SE**

*Issued to:* Winglet Systems, Inc.
*Date of Issuance:* December 12, 1993
*Date of Reissuance:* 4/30/2002; 3/31/2003
*Date Amended:* April 30, 2002
*Limitations and Conditions: (cont'd)*

The following supplements are applicable and essential to the Boeing Model 727 series modified in accordance with this STC (as dated or later FAA approved revisions):

Winglet Systems, Inc. Documents
- Maintenance Manual Supplement VA-CR130FD-4, dated July 1, 1996
- Maintenance Program VA-CR130FD-7, dated July 1, 1996
- Structural Repair Manual Supplement VA-CR130FD-6, dated July 1, 1996
- Weight and Balance Control and Loading Manual Supplement VA-CR130DR-xxx, (-xxx identifies the appropriate model series)

Phil Kirk and Associates Documents
- Supplemental Structural Inspection Document PK727909, dated September 20, 1994

Certification Basis

For unmodified systems and structure, the same as shown on Type Certificate Data Sheet A3WE. For new or modified systems or structure, the same as shown on Type Certificate A3WE, except the following additional rules apply: Federal Aviation Regulations Part 25 – Airworthiness Standards: Transport Category Airplanes, effective 2/1/65, as amended by amendments 25-1 through 25-78, effective 3/29/93.

-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.*

FAA Form 8110-2(10-68)