

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

Number **SB01670NY**

This certificate issued to

Ronald T. DiGiovanni
36 Dell Lane
Wantagh, NY 11793

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 31 of the Federal Aviation Regulations.

Original Product -- Type Certificate Number:

A15CE

Make:

Aerostar International

Model:

S-66A, S-71A, S-77A, and RX-9 *See Table 1 for approved model, heater, and gondola combinations

Description of Type Design change:

Installation of Aerostat Envelopes, Inc. model W-210-4 lifting envelope in accordance with Aerostat Envelopes, Inc. W-210-4 Envelope Installation Drawing List, Report No. 1069, Rev. -, dated December 15, 2002 for the above models in accordance with Table 1 of this STC.

Limitations and Conditions:

1. Aerostat Envelopes, Inc. Supplemental Maintenance Manual and Instructions for Continued Airworthiness, Report No. 1002, Revision 7, dated December 15, 2002 is required with this modification.
2. Hot Air Balloon gross weight is not to exceed 3000 lbs when the Aerostat Envelopes, Inc. model W-210-4 replacement envelope is installed, or as otherwise limited in the applicable Aerostat Envelopes, Inc. Aircraft Flight Manual Supplement.
3. Aerostat Envelopes, Inc., Aircraft Flight Manual Supplement, Report No. 1073, FAA approved on December 8, 2005 is required when the model W-210-4 replacement envelope is installed on the Raven Industries/Aerostar International balloon.
4. Aerostat Envelopes, Inc., Aircraft Flight Manual Supplement, Report No. 1072, FAA approved on December 8, 2005 is required when the model W-210-4 replacement envelope is installed on the Raven Industries/Aerostar International balloon model S-71A. Maximum gross weight is limited to 2800 lbs. with the TW or RB6 gondolas, and 3000 lbs. with the RB8 gondola.

(See Continuation Sheet 2)

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: December 15, 2002

Date reissued:

Date of issuance: December 12, 2005

Date amended:

By direction of the Administrator



(Signature)

Anthony Socias
Manager
New York Aircraft Certification Office

(Title)

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number **SB01670NY**

Date of Issuance: December 12, 2005

Description of Type Design change (Continued).

TABLE 1		
MODEL	AIR HEATERS	GONDOLA MODEL
S-66A	14160 (DUAL HI-C) or 17395 (HPII DUAL) or 52350 (HPIII DUAL) or 52950 (HPIII TRIPLE)	TW or RB6
S-71A	14160 (DUAL HI-C) or 17395 (HPII DUAL) or 52350 (HPIII DUAL) or 52950 (HPIII TRIPLE)	TW, RB6 or RB8
S-77A	14160 (DUAL HI-C) or 17395 (HPII DUAL) or 52350 (HPIII DUAL) or 52950 (HPIII TRIPLE)	TW, RB6 or RB8
RX-9	14160 (DUAL HI-C) or 17395 (HPII DUAL) or 52350 (HPIII DUAL) or 52950 (HPIII TRIPLE)	RB6

Limitations and Conditions (Continued).

5. Aerostat Envelopes, Inc., Aircraft Flight Manual Supplement, Report No. 1071, FAA approved on December 8, 2005 is required when the model W-210-4 replacement envelope is installed on the Raven Industries/Aerostar International balloon model S-77A. Maximum gross weight is limited to 2800 lbs. with the TW or RB6 gondolas, and 3000 lbs. with the RB8 gondola.
6. Aerostat Envelopes, Inc., Aircraft Flight Manual Supplement, Report No. 1192, FAA approved on December 8, 2005 is required when the model W-210-4 replacement envelope is installed on the Raven Industries/Aerostar International balloon model RX-9. Maximum gross weight is limited to 2800 lbs. with the RB6 gondola.
7. The maximum continuous envelope temperature is 250°F. Envelope temperature of 250°F-275°F may be maintained for not more than 10 consecutive minutes during any two hour period. Never exceed 275°F.
8. The removal of the original equipment manufacturer Aircraft Data Plate and its reinstallation on the replacement envelope is required and must be done in accordance with Aerostat Envelopes, Inc. Report No. 1090B, dated April 9, 1996.
9. 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.
10. Compatibility of this design change with previously approved modifications must be determined by the installer.

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