

# Supplemental Type Certificate

*Number* SR02051LA

*This Certificate issued to* Van Horn Aviation, L.L.C.  
1510 W. Drake Drive  
Tempe, Arizona 85283

*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 29 of the Federal Aviation Regulations.*

*Original Product Type Certificate Number :* \*See attached FAA Approved Model List (AML) No. SR02051LA for list of approved helicopter models and applicable airworthiness regulations.  
*Make :*

*Model :*

*Description of Type Design Change:* Installation of a Van Horn Aviation Tail Rotor Blade in accordance with FAA Approved Van Horn Aviation Documentation as listed on AML No. SR02051LA.

*Limitations and Conditions:*

When the Van Horn Aviation Tail Rotor Blades are installed on Arrow Falcon Exporters the special purpose is limited to Agricultural under 14 CFR 21.25 (b) (1) and External Load operations. For all other models listed on AML No. SR02051LA, the special purpose is limited to Agricultural, Forest and Wildlife Conservation under 14 CFR 21.25 (b) (1), (2) and External Load operations. Compatibility of this design change with previously approved modifications must be determined by the installer. The approval of this modification applies to the above noted aircraft model series only. A copy of this STC must be included in the permanent records of 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 :* September 1, 2005

*Date reissued :* July 16, 2012

*Date of issuance :* May 24, 2007

*Date amended :* August 15, 2007;  
December 18, 2007; April 18, 2008



*By direction of the Administrator*

(Signature)

Supervisor, Technical & Administrative  
Support Staff  
Los Angeles Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

United States Of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

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# Supplemental Type Certificate

(Continuation Sheet)

*Number* SR02051LA

*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 helicopter models listed in the AML with the Van Hor Aviation Tail Rotors installed as follows:

- a. The type certification basis for parts not changed or not affected by the change is shown on the TCDS listed on the AML.
- b. The certification basis for parts changed or affected by the change since the referenced date of application, September 1, 2005 is based upon part 29 as amended by Amendment 29-47. 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:

14 CFR part 29 subpart C - Strength Requirements and D - Design and Construction at amendment 29-47.

14 CFR 21.25 (a) (2) for subpart B-Flight.

- END -