

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

Number SA03093CH

This certificate issued to

Kelly Aerospace Thermal Systems, LLC
1625 Lost Nation Rd
Willoughby, OH 44094

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 23 of the Federal Aviation Regulations.

Original Product--Type Certificate Number: A19SO

Make: Piper Aircraft, Inc

Model: PA-44-180

Description of Type Design Change:

Installation of an electric Air Conditioning system, Kelly Aerospace kit #KATS-11-002 or KATS-13-002. Installation Instructions as listed on NC-10-086, revision G, dated August 8, 2013 and Drawing List NC-10-085, revision K, dated August 20, 2013, or later FAA approved revision.

Limitations and Conditions:

1. This STC requires concurrent installation of STC SA03092CH, an independent 28 VDC Auxiliary Bus only when kit # KATS-11-002 is installed. Concurrent installation of STC SA03092CH is not required when kit # KATS-13-002 is installed on the subject aircraft.
2. FAA approved Airplane Flight Manual Supplement, Doc. No. NC-13-029, Rev. A, approved October 23, 2013, or later FAA approved revision, is required to be on board the modified aircraft when kit # KATS-13-002 is installed.
3. FAA approved Airplane Flight Manual Supplement, Doc. No. NC-10-088, Rev. 1, approved May 3, 2013, or later FAA approved revision, is required to be on board the modified aircraft when kit # KATS-11-002 is installed.
4. The installer must determine whether this design change is compatible with previously approved modifications.
5. A copy of this Certificate must be maintained as part of the permanent records for the modified aircraft.
6. If the holder agrees to permit another person to use this certificate to alter the product, the holder must 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: August 8, 2011

Date reissued:

Date of issuance: May 3, 2012

Date amended: October 30, 2013



By direction of the Administrator

(Signature)

Steven L. Lardinois
Manager, Systems & Flight Test Branch
Chicago 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.