

# N246AP

## 2019 Cessna T206H

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# FAA Form 337s

**MSN: T20609564**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*



**MAJOR REPAIR AND ALTERATION  
(Airframe, Powerplant, Propeller, or Appliance)**

OMB No. 2120-0020  
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N954GR	Serial No.	T20609564			
	Make Cessna	Model	T206H	Series 200		
2. Owner	Name (As shown on registration certificate)		Address (As shown on registration certificate)			
	TEXTRON AVIATION INC		Address	1 CESSNA BLVD		
			City	WICHITA	State	KANSAS
			Zip	67215-1400	Country	USA

**3. For FAA Use Only**

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	Cessna	(As described in Item 1 above)	T20609564
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

**6. Conformity Statement**

A. Agency's Name and Address		B. Kind of Agency			C. Certificate No.  <b>3932483</b>
Name	Stephen Brant	<input checked="" type="checkbox"/>	U. S. Certificated Mechanic	Manufacturer	
Address	423 S. Stueben Ave		Foreign Certificated Mechanic		
City	Chanute State KS		Certificated Repair Station		
Zip	66720 Country USA		Certificated Maintenance Organization		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 
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**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  Approved  Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. <b>3038853</b>	Signature/Date of Authorized Individual 
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

**8. Description of Work Accomplished**

*(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

<u>N954GR</u>	<u>04-3-2019</u>
Nationality and Registration Mark	Date

Installed Kelly Aerospace Electric Air Conditioning STC# SA03302CH in accordance with Installation manual doc# NC-13-024 Rev. H.  
ICA Doc# NC-13-026 Rev A. has been made a part of this 337 Aircraft weight and balance information updated.  
Installed FAA approved Flight Manual Supplement Doc# NC-13-025, Rev C  
Airframe logbook entry completed.

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Additional Sheets Are Attached

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

*Number* SA03302CH

*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:* A4CE  
*Make:* Cessna Aircraft Company  
*Model:* 206H, T206H

*Description of Type Design Change:* Installation of an Air Conditioning System, Kelly Aerospace kit #KATS-13-001. Installation Instructions as listed on NC-13-027, revision A, dated December 24, 2013, and drawing list NC-13-023, revision B, dated January 24, 2014, or later FAA approved revision.

*Limitations and Conditions:*

1. FAA approved Airplane Flight Manual Supplement, Doc. No. NC-13-025, Rev. B, approved February 11, 2014, or later FAA approved revision, is required to be on board the modified aircraft.
2. Compatibility of this design change with previously approved modifications must be determined by the installer.
3. A copy of this Certificate must be maintained as part of the permanent records for the modified aircraft.
4. 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:* May 6, 2013

*Date reissued:*

*Date of issuance:* February 11, 2014

*Date amended:*



*By direction of the Administrator*

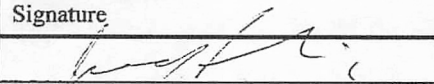

*Steven L. Lardinois*  
(Signature)  
Steven L. Lardinois  
Manager, Systems & Flight Test Branch  
Chicago Aircraft Certification Office

(Title)

# **KELLY AEROSPACE**

## **Thermal Systems**

Document Number: NC-13-019  
Project Number: ST08340CH-1  
Title: Cessna 206H, T206H  
Air Conditioning System  
Weight and Balance  
Revision: A  
Date: 03 December 2013

	Name	Signature	Date
Author	J. Heidinger		12/3/13
Approved	J.Barlett		12/3/13

## Revisions

Rev.	Description	Author	Date	Approved
A	Initial Release	JLH	12/3/13	JB

Kelly Aerospace, Thermal Systems Division

1625 Lost Nation Rd Willoughby, Ohio 44094

Project	Document Title	Document No	Rev	Page
	Cessna 206H, T206H Air Conditioning System Weight and Balance	NC-13-019	A	2 of 3

## 1.0 WEIGHT AND BALANCE SUMMARY

Weight and Balance for the kits was determined through kit weight measurement, initial weighing and final weighing of the aircraft with approved calibrated scales.

### 1.1 Aircraft Model 206H, T206H

Kit Number KATS 13-001 includes all air-conditioning components, but no alternator power source.

KATS-13-001 WEIGHT = 56 lbs.

KATS-13-001 MOMENT ARM = 198.40 in.

KATS-13-001 MOMENT = 11145.47 in-lbs.

Kelly Aerospace, Thermal Systems Division

1625 Lost Nation Rd Willoughby, Ohio 44094

Project	Document Title	Document No.	Rev.	Page
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### STC Permission Statement

Kelly Aerospace Thermal Systems grants permission to the purchaser of our systems and / or kits to use our STC Number SA03302CH one time and one time only if applied to models listed in the FAA Approved Model List (AML) amended to our latest revision.

Registered Owner Name; TEXTRON AVIATION INC  
Make; CESSNA Model; T-206H  
Aircraft S/N; T20609564 N# N954GR

### Required information for permission statement

A Copy Must be Mailed to 1625 Lost Nation RD, Willoughby, Ohio 44094, or this Permission and STC warranty is **VOID!**

Sec. 91.403

General.

- (a) The owner or operator of an aircraft is primarily responsible for maintaining that aircraft in an airworthy condition, including compliance with part 39 of this charter.
- (b) No person may perform maintenance, preventive maintenance, or alterations on an aircraft other than as prescribed in this subpart and other applicable regulations, including part 43 of this charter.
- (c) No person may operate an aircraft for which a manufacturer's maintenance manual or instructions for continued airworthiness has been issued that contain an airworthiness limitations section unless the mandatory replacement times, inspection intervals, and related procedures specified in that section or alternative inspection intervals and related procedures set forth in an operations specification approved by the Administrator under part 121 or 135 of this chapter or in accordance with an inspection program approved under Sec. 91.409(e) have been complied with.
- (d) A person must not alter an aircraft based on a supplemental type certificate unless the owner or operator of the aircraft is the holder of the supplemental type certificate, or has written permission from the holder.

1625 Lost Nation Rd. Willoughby, Ohio 44094  
Phone - (440) 951-4744





**Thermal Systems**

N954GR S/N T20609564 Hobbs: 4.8 April 3, 2019

Installed Kelly Aerospace Electric AC STC SA03302CH as per

Installation manual NC-13-024 Rev: H

See 337 dated April 3, 2019.

System operational check normal.

Updated Weight and balance information. New Empty Weight = 2470.38 New

Moment = 106999.8 New CG. = 43.31

Installed AFMS NC-13-025 Rev C in Pilot Operating Handbook.

-END-

Stephen Brant

A&P 3932483

A handwritten signature in blue ink that reads 'Stephen Brant'.

4-3-19