

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

Number SA122NW

This certificate issued to:

Mark Wiebe
315 Harvey
Halstead, KS 67056

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product - Type Certificate Number: 3A17
Make: Cessna
Model: 175, 175A, 175B, 175C, P172D

Description of Type Design Change: Installation of a Continental O-470 series engine, McCauley propeller, engine mount, cowling, baffles, and associated parts on the Cessna 175 and P172D series aircraft, in accordance with Kammeyer Installation Instruction Manual No. 1, dated July 15, 1974, or K-Meyer Conversion Installation Instruction Manual No. 1 and Report No. KM-183 Manufacturing Data both revised November 27, 2002 or later Kammeyer Conversion Data stamped FAA approved.

Limitations and Conditions: Compatibility of this design change with previously approved modifications must be determined by the installer. 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. Approval of this type design change applies to the above aircraft models only. A copy of this Certificate, Continuation Sheet Addendum No. SA122NW, and Kammeyer Installation Instruction Manual (or K-Meyer Conversion Instruction Manual) shall be maintained as part of the permanent records of the modified aircraft.

(See continuation sheet 3 of 3)

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: April 16, 1974

Date reissued: July 30, 1997, December 22, 1997,
October 15, 2012; October 24, 2012

Date of issuance: July 25, 1974

Date amended: May 3, 1991, November 27, 2002



By direction of the Administrator

Original signed by Steve Litke

(Signature)

Steven C. Litke
Program Manager
Wichita 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.

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

Number SA122NW

Date of Issuance: July 25, 1974
Date Amended: May 3, 1991, Nov 27, 2002, Oct 15, 2012; Oct 24, 2012
Date Reissued: July 30, 1997, Dec 22, 1997

Limitations and Conditions (Continued):

The conditions and limitations of Type Certificate Data Sheet (TCDS) No. 3A317 apply, except as follows:

This Supplemental Type Certificate Addendum, which is part of STC SA122NW, prescribes the conditions and limitations under which the product for which the STC was issued meets the requirements of the Civil Air Regulations.

I. Cessna Models 175, 175A, 175B, 175C, and P172D 4PCLM (Normal Category as modified by STC SA122NW)

Engine: Continental 0-470-A, -E, -J, -K, -L, -R, -S
Fuel: 80/87 Octane minimum grade aviation gasoline
Engine Limits: For All Operations
0-470-A 2600 RPM (225 hp)
0-470-E 2600 RPM (225 hp)
0-470-J 2550 RPM (225 hp)
0-470-K, L, R, S 2600 RPM (230 hp)

Propeller: McCauley- (See Installation Instructions for approved models and limitations)
Airspeed Limits: Same as Specified by TCDS
C.G. Limits: Same as specified by TCDS

Maximum Weight: 2450 lbs All Models except Model P172D
2500 lbs Model P172D when equipped with the 0-470-S engine

Powerplant Instrument Markings

Tachometer: 2600 RPM (Radial Red Line) except
2550 RPM (Radial Red Line) 0-470-J engine only

Oil Temperature Gage: 225° F radial red line except
240° F radial red line 0-470-S engine only

Placards: 1. The following placard is to be installed in front and in full view of the pilot:

“OPERATE IN NORMAL CATEGORY ONLY. IT IS THE RESPONSIBILITY OF THE PILOT TO INSURE OPERATION WITHIN THE APPROVED WEIGHT AND CENTER OF GRAVITY LIMITS AT ALL TIMES. REFER TO THE APPROVED LOADING SCHEDULE”

2. At the propeller control and in full view of the pilot:

“PUSH TO INCREASE RPM.”

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