

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

Number SA479NW

This certificate, issued to P & R AVIATION

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 3 of the Civil Air Regulations, Dated May 15, 1956.

Original Product — Type Certificate Number: 3A17
Make: Cessna
Model: 175B

Description of Type Design Change: Installation of Continental G0-300-E engine, McCauley 2A31C21/84S propeller, Cessna 175C engine nacelle, alternator (Cessna P/N 633661), and associated systems in accordance with P & R Aviation Modification Instructions, Drawing No. 771751, Sheets 1 through 10 and photographs 1, 2, and 3.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Cessna 175B, Serial Number 17556809 only. A copy of this Certificate, Addendum No. SA479NW, and P & R Modification Instructions, Drawing No. 771751 shall be maintained as a part of the permanent records for the modified aircraft.

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: January 11, 1977

Date issued:

Date of issuance: July 8, 1977

Date amended:

By direction of the Administrator

D. L. Riggan
(Signature)



Chief, Engineering and Manufacturing Branch
(Title)

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

This certificate may be transferred in accordance with FAR 21.47.

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

July 8, 1977 *Number* SA479NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA479NW

The conditions and limitations of the original specifications apply except as follows:

This Addendum, which is part of the Supplemental Type Certificate No. SA479NW, prescribes conditions and limitations under which the STC was issued and meets the airworthiness requirements of Civil Air Regulations Part 3. A copy of this Addendum shall be maintained as part of the modified aircraft permanent records.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: P & R Aviation

I. CESSNA MODEL 175B, 4PCL-SM (NORMAL CATEGORY) AS MODIFIED BY STC SA479NW

Engine: Continental G0-300E

Fuel: 80/87 minimum grade aviation gasoline

Engine Limits: For all operations, 3200 rpm (175 hp)

Propeller and
Propeller Limits: McCauley constant speed propeller
McCauley 2A31C21 hub with 84S blades
Diameter: Not Over 84"; Not Under 82"
Pitch Settings - 30" Sta: Low - 13°; High - 26.5°
Garwin Hydraulic Governor - 34-827
Cessna Spinner - 0552016

Airspeed Limits (TIAS): Same as Data Sheet 3A17

C. G. Range: Same as Data Sheet 3A17

Maximum Weight: 2350 pounds (Same as Data Sheet 3A17)

Serial Number Eligible: 17556809 only

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

July 8, 1977

STC SA479NW

Noise Certification Procedure:

Does not apply inasmuch as the modification does not entail a change in horsepower or RPM.

NOTE 1: This modification entails the conversion of the Continental GO-300D engine to a GO-300E series to accommodate a constant speed propeller.

- END -