United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA25NW

This certificate, issued to U.S. DEPARTMENT OF AGRICULTURE (USDA)

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* CAR *Regulations,* dated 1 November 1949 as amended by 3-1 through 3-12.

Original Product — Type Certificate Number: 3A13

Make: Cessna

Model: 182A through P

Description of Type Design Change: Installation of insect refrigeration release equipment in accordance with USDA Drawing #73-1-Y (Pages 1 and 2) and instructions consisting of 10 items, electric load, and six illustrative photographs dated 12 January 1973.

Limitations and Conditions: Data is suitable for reproduction and installation in all Cessna Model Series 182A through P. No additional modifications of this type are to be approved solely by reference to this STC or to the data submitted therefore. A copy of this certificate, STC SA25NW, Installation Instructions #73-1-4 and the restrictive placard shall be maintained as part of the permanent records of 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: 15 January 1973

Date of issuance: 6 February 1973

Date reissued:

Date amended:

By direction of the Administrator

Harry A. Parker

(Signature)

Chief, Engineering and Manufacturing Branch

(Title)

FEDERAL AVIATION ADMINISTRATION

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.

FAA Form 8110-2 (10-68)

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Supplemental Type Certificate

(Continuation Sheet)

Number SA25NW

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: U.S. Department of Agriculture (USDA)
Agriculture Research Service
3706 West Knob Hill Boulevard
Yakima, Washington 98902

I. MODEL 182A THRU P CESSNA AS MODIFIED BY THIS STC, APPROVED 5 February 1973.

Same as basic configuration except for installation of required EQUIPMENT, PLACARDS and ELECTRICAL LOAD requirements as follows:

REQUIREMENT EQUIPMENT:

In addition to the equipment applicable and required by Aircraft Specification No. 3A13, the equipment specified by USDA Drawing #73-1-Y Installation must be installed as a result of the incorporation of this STC.

REQUIRED PLACARDS:

The following PLACARDS must be displayed in full view of the pilot:

(1)

1. "V_{NE} WITH DISPENSER INSTALLED 150 MPH (IAS)."
2. "CREW MUST FACE FORWARD AND USE SEAT BELTS ON TAKE-OFF AND LANDING."
3. "DO NOT USE AIRCRAFT RADIO OR NON - ESSENTIAL ELECTRICAL EQUIPMENT WHEN DISPENSER IS BEING OPERATED."
4. "PASSENGERS OTHER THAN CREW PROHIBITED."
5. "AIRCRAFT TO BE OPERATED IN NORMAL CATEGORY ONLY."

(2)

NORMAL CATEGORY

USDA

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ELECTRICAL LOAD:

1. 12 - Volt DC with a minimum of 35 AMP generator.

2. Equipment requires 15 AMP maximum.

NOTE 1. Current Weight and Balance Report including list of equipment included in certificated empty weight, and loading instructions, when necessary, must be in the aircraft.