United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA2229WE

This certificate, issued to Madras Air Service

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.* (See T.C. Data Sheet 3A17)

Original Product — Type Certificate Number: 3A17

Make: CESSNA

Model: 175, 175A, 175B, 175C, P172D (Normal Category)

Description of Type Design Change: Installation of Madras Air Service wing tips in accordance with Drawing No. 102, Sheet 1, Revision A, dated 12 October 1972, and Sheet 2, Revision B, dated 11 July 1972.

LIMITATIONS AND CONDITIONS: This approval should not be extended to other pecific airplanes of those models on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane.
~~Limitations and Conditions~~
STC Addendum Number SA2229WE limits the airspeeds and is required to be included in the aircraft permanent records of each aircraft modified in accordance with this Supplemental Type Certificate.

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: 4 February 1969

Date of issuance: 18 August 1970

Date reissued:

Date amended: 16 August 1972, 22 FEB 1973

By direction of the Administrator

James O. Robinson
(Signature)

Acting 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.

FAA Form 8110-2 (10-68)

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United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

STC SA2229WE
CESSNA 175, 175A, 175B, 175C, and P172D (Normal Category)

Number SA2229WE

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2229WE

The conditions and limitations of Type Certificate Number 3A17 apply except as follows:

This Supplemental Type Certificate Addendum, which is a part of Supplemental Type Certificate No. SA2229WE, prescribes conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulation. A copy of this STC Addendum is required to be maintained as a part of the modified aircraft's permanent records.

Supplemental Type Certificate Holder: Madras Air Service

I, II, & III: Models 175, 175A, 175B, and 175C as modified by STC SA2229WE

Airspeed Limits*

Maneuvering	117 MPH (102 Knots)
Maximum Structural Cruising	133 MPH (116 Knots)
Never Exceed	167 MPH (145 Knots)

III: Model P172D as modified by STC SA2229WE

Airspeed Limits*

Maneuvering	121 MPH (105 Knots)
Maximum Structural Cruising	138 MPH (120 Knots)
Never Exceed	173 MPH (150 Knots)

*These Airspeed Limitations may be used in lieu of gross weight reductions imposed by the original STC and Addendum dated 18 August 1970.

NOTE 1. Conformity to Madras Air Service Drawing No. 102, Sheet 1, Revision A, dated 12 October 1972, and Sheet 2, Revision B, dated 11 July 1972, must be established prior to release of the aircraft to Normal Category operation.

NOTE 2. The Weight and Balance Report must be revised as follows at the time of modification:

Weight of wing tips 9.5 lb. total; deduct weight of the tips being removed and add the difference to the aircraft empty weight. The moment change is negligible.

E N D

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

FAA FORM 8110-2-1 (10-69)

This certificate may be transferred in accordance with FAR 21.47.