

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number **SH692NW**

This certificate, issued to

Ruben Nolf

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 4a of the Civil Air Regulations.

Original Product—Type Certificate Number: A-743
Make: Boeing
Model: E75 (PT-13D)

Description of the Type Design Change: Installation of a Lycoming R-680-E3B engine, Hamilton Standard 2B20 hub with ERCO 3086A blades, Boeing (Stearman) E75-2500 engine mount and associated systems in accordance with Ruben Nolf photos (1) through (7).

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Boeing Model E75 (PT-13D), S/N 75-5458 only. A copy of this Certificate and Addendum No. SA692NW shall be maintained as 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: October 21, 1978

Date reissued:

Date of issuance: December 13, 1978

Date amended:



By direction of the Administrator

 (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.

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SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA692NW

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

This Addendum, which is part of Supplemental Type Certificate No. SA692NW, prescribes conditions and limitations under which the product for which the STC was issued and meets the airworthiness requirements of Civil Air Regulations 4a. A copy of this Addendum shall be maintained as part of the modified aircraft permanent records.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Ruben Nolf

MODEL E75BOEING (LANDPLANE ONLY, NORMAL CATEGORY) AS MODIFIED BY STC SA692NW.

Engine:	Lycoming R-680-E3B
Fuel:	87 Minimum Grade Aviation Gasoline
Engine Limits:	(Takeoff) 300 hp. @ 2300 rpm - 1 minute
	(Meto) 285 hp. @ 2200 rpm
Airspeed Limits:	Level flight or climb - 123 mph true ind.
	Glide or dive - 148 mph true ind.
Propeller and Propeller Limits:	Hamilton standard 2B20/ERC03086A Diameter: Not over 102"
C.G. Range:	1.0 to 4.5 @ 3200#
Maximum Weight (Takeoff)	NC certification, 3200#
Fuel Capacity:	46 gallons
Oil Capacity:	4.4 gallons
Powerplant Instrument Markings:	Tachometer: 2300 rpm (Red Line)
Oil Temp.:	200°F (Red Line)
Control Surface Movements:	Elevator up 24° down 22°
Serial Numbers Eligible:	75-5458 only

Required Equipment: In addition to the equipment and applicable by the original type certificate, the items as specified below apply to this STC.

NOTE: 1. Current weight and balance report including list of equipment included in the certificated empty weight, must be in the aircraft.

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- NOTE: 2. The following PLACARDS must be installed in the rear cockpit and in clear view of the pilot:
1. METO POWER NOT TO EXCEED 285 HP. (2200 RPM)
 2. INTENTIONAL SPINS PROHIBITED
 3. SOLO FROM THE REAR SEAT ONLY.

- END -

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