United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA2109NM

This certificate, issued to Ken McHugh

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 4(a) *of the* Civil Air *Regulations.*

Original Product—Type Certificate Number: A-743

Make: Boeing

Model: B75N1

Description of Type Design Change: Installation of a Lycoming R-680-13 (R-680-E3B) engine, Hamilton Standard 2B20-329/6135A-9 propeller and a Beech A-10 Cowling per Ken McHugh photographs 1 thru 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 Boeing B75N1, Serial Number 75-6985 only. A copy of this certificate and addendum 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: March 15, 1983

Date of issuance: May 31, 1983

Date reissued:

Date amended:

By direction of the Administrator

Donald M. Pederson

(Signature)

FEDERAL AVIATION ADMINISTRATION

acting Manager, Seattle 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.

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)

Number SA2109NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2109NM

The conditions and limitations of Type Certificate Data Sheet No. A-743 apply except where superseded by the following:

This Supplemental Type Certificate Addendum, which is part of STC SA2109NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations. A copy of this STC Addendum is required to be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Ken McHugh.

I. BOEING B75N1 2 PO-CLB (NORMAL CATEGORY) AS MODIFIED BY STC SA2109NM

Engine:	Lycoming R-680-13 (R-680-E3B)
Fuel:	80/87 octane minimum grade aviation gasoline
Engine Limits:	Takeoff (5 min.) 2300 rpm (300 Hp) @ sea level Maximum continuous power - 2200 RPM (285 Hp)
Propeller and Propeller Limits:	Hamilton Standard 2B20-329/6135A-9
Powerplant Instruments:	Remark instruments to read as follows: Oil Temperature: Red Line 200°F - maximum Tachometer: Red Line 2300 rpm - maximum Cylinder Head Temperature (Washer-Type Thermocouple): Red Line 525°F - maximum
C. G. Range:	See Type Certificate Data Sheet A-743
Maximum Weight:	See Type Certificate Data Sheet A-743
Placards:	See Type Certificate Data Sheet A-743

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

This certificate may be transferred in accordance with FAR 21.47.