

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate*Number* SA4-642

This certificate, issued to John Dearden
938 Shady Lane
Jackson, MO 63755

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 4b of the Civil Air Regulations.

Original Product—Type Certificate Number: A-694
Make: Luscombe
Model: 8E

Description of the Type Design Change: Installation of a Lycoming O-290-D2 engine and Sensenich M76AM-2 propeller.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate must be maintained as part of the permanent records of the modified aircraft. (See "Continuation Sheet", Page 3)

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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 29, 1958

Date reissued: 02/29/96; 08/02/01

Date of issuance: October 29, 1958

Date amended: 10/15/62; 03/27/69; 08/02/01



By direction of the Administrator

Adrian J. As...
(Signature)

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 SA4-642

John Dearden

Reissued: 02/29/96; 08/02/01

Amended: 10/15/62; 3/27/69; 08/02/01

Limitations and Conditions: (Cont'd)

POWER PLANT LIMITATIONS

ENGINE: Lycoming O-290-D2 (for all operations) –2600 RPM. (135 H.P.)

FUEL: 80/87 Minimum Octane Aviation Gasoline

PROPELLER: Sensenich M76AM-2
Diameter
Maximum 74 inches
Minimum 72.5 inches

Static RPM
Maximum 2250
Minimum 2050

POWER PLANT INSTRUMENTS: Tachometer: 2600 RPM (Red Line)
Oil Temperature: 245°F (Red Line)
Oil Pressure:
Minimum Idle 25 psi. (Red Line)
25-60 psi. (Yellow Arc)
60-85 psi. (Green Arc)
Normal Operating Range 85 psi. (Red Line Max)

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