

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SE792NW

*This certificate, issued to* Kennis E. Blackman

*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 13 of the Civil Air Regulations.* dated June 15, 1956 as amended by 13-1, 13-2, and 13-3.

*Original Product — Type Certificate Number:* E-223  
*Make:* Lycoming  
*Model:* O-235-L2C/L2A

*Description of Type Design Change:*

Modification of a Lycoming O-235-L2C or O-235-L2A engine to increase horsepower rating from 115 Hp @ 2700 rpm to a continuous 125 Hp @ 2800 rpm in accordance with Kennis B. Blackman Installation Instructions KB 1250.

**NOTE:** The modified engine shall be designated as O-235-L2C(M) or O-235-L2A(M).

*Limitations and Conditions:* Approval of this change in type design applies basically to the above model engine only. This approval should not be extended to other engines of this model 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, including changes in type design, will introduce no adverse effect upon the airworthiness of that engine. A copy of this Certificate and Addendum shall be maintained as part of the permanent records for the modified engine.

*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:* June 26, 1979

*Date reissued:*

*Date of issuance:* June 28, 1979

*Date amended:* February 19, 1987



*By direction of the Administrator*

*D. L. Riggan*  
(Signature)

Assistant 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* SE792NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SE792NW

The conditions and limitations of Type Certificate Data Sheet E-223 apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SE792NW, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations:

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Kennis B. Blackman

Engine: Lycoming O-235-L2C (Modified) /-L2A (Modified)  
Fuel: 100/130 minimum grade aviation gasoline  
Engine Limits: For all operations, 2800 rpm (125 Hp)  
Compression Ratio: 9.7:1  
Placards: Placards and Operating Limitations on Type Certificate Data Sheet E-223 apply except as noted herein:

a. Original Engine Data Plate:

Add a "suffix" (M) and the STC number to the model designation as follows:

MODEL: O-235-L2C(M) STC SE792NW

b. Supplemental Engine Data Plate:

Install a Supplemental Data Plate adjacent to the original Data Plate to read as follows:

AVCO LYCOMING ENGINE  
SUPPLEMENTAL DATA PLATE  
STC SE 792NW

- TAKEOFF (5 MIN) 125 HP @ 2800 RPM  
- NORMAL RATED 125 HP @ 2800 RPM

SPARK ADVANCE - 25° BTC

- END -

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