United States of America

Department of Transportation—Federal Aviation Administration

SC Book

Supplemental Type Certificate

Number SE2107NM

This certificate, issued to **Kenmore Air Harbor, Inc.**
P.O. Box 82064
Kenmore, WA 98028-0064

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 33 *of the* Federal Aviation *Regulations.*.

Original Product—Type Certificate Number: E-273
Make: Continental
Model: 0-470-U

Description of the Type Design Change: Modify Crankcase, Crankshaft, Carburetor and install Cylinders from 520 cubic inch displacement engine and revise operating limits as shown in addendum SE2107NM. This is in accordance with Kenmore Air Harbor, Inc. Report No. 13008, Rev. 1, dated July 9, 1998, or later FAA approved revisions.

NOTE: This engine modification is limited to installation in the Cessna 180G, 180H, 180J, and 180K aircraft only.

Limitations and Conditions: Approval of this change in type design applies to the above model engines 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 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 engine. A copy of this Certificate, and Addendum, amended March 1, 1999, or later FAA approved revision, must be maintained as part of the permanent records for the modified engine.

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. **(See Continuation Sheets Page 3 and 4)**

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 12, 1983
Date of issuance: December 9, 1983
Date reissued:
Date amended: March 1, 1999

By direction of the Administrator

(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.

FAA Form 8110-2(10-68)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number **SE2107NM**

KENMORE AIR HARBOR, INC.
Date Reissued:
Date Amended: March 1, 1999

SUPPLEMENTAL TYPE CERTIFICATION ADDENDUM NO. SE2107NM

The conditions and limitations of Type Certificate Data Sheet E273 apply except where superseded by the following:

This Supplemental Type Certification Addendum, which is part of STC SE2107NM, 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: Kenmore Air Harbor, Inc.

1. CONTINENTAL 0-470-U AS MODIFIED BY STC SE2107NM

Engine:	Teledyne Continental 0-470-U C 0-520KAH-2
Fuel:	100/100LL Minimum Grade Aviation Gasoline
Engine Units:	Maximum Continuous 2700 RPM; 270 HP
Weight (Dry), LB	422
C.G. Location (Basic Engine)	
. Fwd of Rear Face of Acc. Case, Inc.	12.0
. Below Crankshaft Centerline Inch.	0.31
. Beside Crankshaft Centerline Forward 1-3-5 Side, Inch.	0.11
*Original Engine Model Designation	
Carburetion:	Marvel Schebler MA-4-5 (KAH #10-4893KAH or #10-5192KAH)
Oil Sump Capacity, Qts.	12; 6 usable at 15° noseup and nosedown attitudes

APPLICABLE NOTES: 1, 2, 3, 4, 9, 10, 11 and 13 or TCDS E273.

1. See Type Certification Data Sheet No. E273.

2. Fuel inlet limits: Fuel Minimum 15.5 in. gasoline; Maximum 6.0 BT.
Oil Pressure Limits - See Type Certification Data Sheet No. E273.

3. See Type Certification Data Sheet E273. (Continued on Page 4)

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United States of America

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Supplemental Type Certificate

(Continuation Sheet)

Number **SE2107NM**

KENMORE AIR HARBOR, INC.
Date Reissued:
Date Amended: March 1, 1999

SUPPLEMENTAL TYPE CERTIFICATION ADDENDUM NO. SE2107NM

APPLICABLE NOTES: (Continued):

4. Engines incorporate crankshaft with one 4th and one 5th and two 6th order dampers.

5. Does not apply.

7 & 8. Do not apply.

9. See Data Sheet E273.

10. See Data Sheet E273.

11. See Data Sheet E273.

12. Does not apply.

13. See Data Sheet E273.

14. Supplemental Engine Data Plate to Read as Follows:

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SN                    CONVERTED TO O-520KAH-2
PER STC SE2107NM      HPTO-HPMC 270  RPM 2700
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Part number K13008-1

- END -

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