United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA2069NM

This certificate, issued to **KENMORE AIR HARBOR, INC.**

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 3 of the Civil Air Regulations.

Original Product—Type Certificate Number: 5A6

Make: Cessna

Model: 180G, 180H, 180J, and 180K

Description of the Type Design Change: Installation of Continental IO-520 Series engine modified per STC SE2068NM or Continental 0-470-U engine modified per STC SE2107NM in accordance with Kenmore Air Harbor, Inc. Installation Instructions K13149, dated April 12, 1983, or later FAA approved revisions.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to 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 and Addendum No. SA2069NM and Kenmore Air Harbor, Inc. Installation Instructions No. K13149, or later FAA approved revisions, must 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 11, 1982

Date reissued:

Date of issuance: December 7, 1983

Date amended: August 26, 1994

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 **SA2069NM**

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2069NM

The conditions and limitations of Type Certificate Data Sheet No. 5A6 apply except where superseded by the following:

This Supplemental Type Certificate Addendum, which is part of STC SA2069NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Aviation Regulations. A copy of this STC Addendum is required to be maintained as part of the modified aircraft's permanent records.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Kenmore Air Harbor, Inc.

Cessna 180G, 180H, 180J, and 180K (Normal Category) as Modified by STC SA2069NM.

Engine:	1 Continental 0-470-U C O-520KAH-2 1 Continental 0-IO-520 C O-520KAH-1
Fuel:	100/100LL Minimum Grade Aviation Gasoline
Engine Limits:	Max. Continuous, 2700 RPM and 270 Hp.
Propeller and Propeller Limits:	(a) McCauley D3A34C403/80VA-0 Diameter: Not over 80 in., not under 78.5 in. Pitch Settings at 30 in. sta.: Low 10.6°, High 25.6° (b) Cessna Spinner 0750286 (c) Governor, McCauley C290D3/T5, Woodward C210680, or Woodward C2100-001
Airspeed Limits:	V_y (best rate of climb speed) 92 knots (IAS)

Maximum Weight:

Model	Reference
180G & 180H	See Data Sheet 5A6
180J & 180K	See Data Sheet or STC SA649NW

Note 1. Current weight and balance report, together with list of equipment included in certificated empty weight and loading instructions, when necessary, must be provided for each aircraft at the time of modification.

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

Supplemental Type Certificate
(Continuation Sheet)

Number **SA2069NM**

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2069NM

Note 2. The following placard must be displayed as indicated.

Adjacent to or in close proximity to the aircraft identification plate:

Engine Model 0-520KAH Engine Installed per Kenmore Air Harbor, Inc. STC SA2069NM

Note 3. With the described engine and propeller installation, performance will be at least equal to or better than that given in the original FAA Approved Flight Manual for the Cessna 180 Series Airplanes.

Replace existing placard in cockpit in view of pilots with the following:

Airplane equipped with Kenmore Air Harbor Conversion Model 0-520KAH engine. 270 HP at 2700 RPM Maximum

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