



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA04550AT

This certificate issued to: PMA Design and Manufacturing
8493 Baymeadows Way
Jacksonville, FL 32256

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 3 of Civil Air Regulations.

Original Product A9EA
Type Certificate Number:

Make: Viking Air Limited

Model: DHC-6-100, -200, -300, -400

Description of Type Design Change:

Main Wheel and Brake Assembly for the Viking Air DHC-6 Series aircraft in accordance with Master Document List, PDM-MDL0330, dated August 24, 2022, or later FAA approved revisions. Instructions for Continued Airworthiness (ICA), PDM-ICA109, Rev A, dated July 26, 2022 or later FAA approved revisions must be made available to the operator at the time of installation.

Limitations and Conditions:

This STC is applicable to all serial numbers for the Viking Air Limited DHC-6-100, -200, -300, and -400. The installer must determine whether this design is compatible with previously approved modifications. If the holder agrees to permit another person to use this certificate to alter a product, the holder must 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: **June 13, 2022** Date Reissued:

Date of Issuance: **October 14, 2022** Date Amended:

By Direction of the Administrator

Signature: **DARBY J MIROCHA**
Digitally signed by DARBY J MIROCHA
Date: 2022.10.14 14:05:04 -04'00'
Title: *(for) Robert P. Capezzuto
Acting Manager, Atlanta ACO Branch
Compliance and Airworthiness Division
Aircraft Certification Service*

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: *The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.*

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number: _____

To *(Name and address of transferee):*

From *(Name and address of grantor):*

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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(Continuation Sheet)

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Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Viking Air Limited DHC-6-100, -200, -300, and -400 aircraft is as follows:

a. The type certification basis for Viking Air Limited DHC-6-100, -200, -300, and -400 aircraft is shown on TCDS A9EA, Rev 21, dated February 20, 2018, for parts not changed or not affected by the change.

b. The certification basis for parts changed or affected by the modification (since the reference date of application, June 13, 2022) is based upon 14 CFR Part 23 as amended through Amendment 23-64. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 14 CFR Part 23 amendment 23-0 to 23-64
23.1529

Regulations at an intermediate amendment
None

Regulations at the amendment level in TCDS A9EA, Rev 21, dated February 20, 2018
CAR 3.71, 3.171, 3.172, 3.173, 3.174, 3.241, 3.242, 3.243, 3.244, 3.245, 3.246, 3.247,
3.248, 3.249, 3.291, 3.292, 3.293, 3.294, 3.295, 3.296, 3.301, 3.304, 3.307, 3.361,
3.363

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Any alteration of this certificate and/or the Type Certificate Data Sheet is punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with Title 14 of the Code of Federal Regulations, part 21, section 21.47 (14 CFR 21.47). A transfer must be endorsed as provided on the reverse hereof. A Type Certificate holder who allows a person to use the Type Certificate to manufacture a new aircraft, aircraft engine, or propeller must provide that person with a written licensing agreement acceptable to the FAA. (Ref. 14 CFR 21.55).
