



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST00128MC

This certificate issued to: Sierra Nevada Corporation  
11551 E. Arapahoe Road  
Centennial, CO 80112

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 25 of the Chapter 14 Code of Federal Regulations

Original Product – Type Certificate Number: A45NM                      Make: 328 Support Services GmbH  
Model: Dornier Model 328-100

Description of Type Design Change:

Establishment of procedures and performance data for operations on unpaved runways. Required data includes:

- 1) Sierra Nevada Corporation (SNC) Master Data List (MDL), 0250-00-9321, Rev A, Dated 07/13/2015 or later FAA approved revision.

(Continued on page 3)

Limitations and Conditions:

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2) 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.

(Continued on page 3)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

Date of Application: 03/19/2014

Date Reissued:

Date of Issuance: 07/13/2015

Date Amended: 06/21/2016

*By Direction of the Administrator*

Signature \_\_\_\_\_

Title William Eckler  
ODA administrator, ODA-833355-CE

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:* \_\_\_\_\_

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*(Continuation Sheet)*

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Description of Type Design Change (continued from page 1):

- 2) Sierra Nevada Corporation (SNC) Airplane Flight Manual Supplement (AFMS) 0250-00-9304, Rev A, Dated 07/13/2015 or later FAA approved revision.
- 3) Sierra Nevada Corporation (SNC) Instructions for Continued Airworthiness (ICA) 0250-00-9305, Rev A, Dated 06/29/2015 or later FAA approved revision.

Limitations and Conditions (continued from page 1):

- 3) Installation of the Dornier Gravel Protection Kit (Option 322-001), High Flotation Tires (Option 324K001), and Ground Spoilers (Option 040-001) are required for this STC.
- 4) In order to implement this STC for aircraft SN 3005 up to and including SN 3103, excluding SN 3098 and 3100, Service Bulletin (SB) SB-328-53-241 must be incorporated.
- 5) Approval of this change in type design applies to Dornier model 328-100 Mod 20 aircraft only as defined in TCDS A45NM.
- 6) A copy of this certificate and the ICA shall be maintained in the airplane permanent records.

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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 Dornier Model 328-100 CBR Reduction is as follows:

a. The type certificate basis for Dornier Model 328-100 is shown on A45NM for parts not changed or not affected by the change.

b. The certification basis for parts changed or affected by the change since the reference date of the application, 03/19/2014, is based upon 14 CFR Part 25 as amended by Amendment 25-1 through 25-64, additional selected rules at later amendments as listed on the TCDS, and 14 CFR Part 26 as amended by Amendment 26-1 through 26-6. Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in the FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-141 and 26-1 through 26-6:

26.47(c) [Amdt. 26-1]

Regulations at the amendment level in the TCDS A45NM:

25.21(a)(1)(d)(f) [Amdt. 25-42], 25.101(a)(b)(c)(e)(f)(h) [Amdt. 25-38], 25.105(a)(b)(d) [Amdt. 25-0], 25.109(a)(b)(c) [Amdt. 25-42], 25.111(a)(b)(c)(d) [Amdt. 25-54], 25.113(a) [Amdt. 25-23], 25.125(a)(e) [Amdt. 25-0], 25.143(a)(1)(5) [Amdt. 25-42], 25.149(a)(e) [Amdt. 25-42], 25.231(a)(1) [Amdt. 25-0], 25.233 [Amdt. 25-42], 25.237(a) [Amdt. 25-42], 25.301 [Amdt. 25-23], 25.303 [Amdt. 25-23], 25.471 [Amdt. 25-23], 25.473 [Amdt. 25-23], 25.479 [Amdt. 25-23], 25.481 [Amdt. 25-0], 25.483 [Amdt. 25-0], 25.485 [Amdt. 25-0], 25.487 [Amdt. 25-0], 25.489 [Amdt. 25-23], 25.493(b)(c) [Amdt. 25-23], 25.495 [Amdt. 25-0], 25.499 [Amdt. 25-46], 25.503 [Amdt. 25-0], 25.507 [Amdt. 25-0], 25.509 [Amdt. 25-23], 25.511 [Amdt. 25-0], 25.571(a)(b)(c) [Amdt. 25-54], 25.735(f) [Amdt. 25-48], 25.901(a)(3)(b)(2) [Amdt. 25-46], 25.975(a)(1) [Amdt. 25-0], 25.1091(a)(d)(2)(e) [Amdt. 25-57], 25.1309(a)(b)(d)(1)(3) [Amdt. 25-41], 25.1529 [Amdt. 25-54], 25.1581 [Amdt. 25-42], 25.1585(a)(1) [Amdt. 25-46], 25.1587(b)(1)(3)(iii)(4)(5) [Amdt. 25-42]

Regulations at an intermediate amendment:

None

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