

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

Number ST09972SC

This certificate issued to Liebherr Aerospace Saline Co.
1465 Woodland Drive
Saline, MI 48176

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 25 of the Federal Aviation Regulations. (See Type Certificate Data Sheet A20WE for complete Certification Basis).

Original Product--Type Certificate Number: A20WE
Make: Boeing
Model: 747-400 Series

Description of Type Design Change:

Installation of an Air Humidifier System in the Cockpit Environmental Control System in accordance with the Le Bozec Documents:
1. Master Document List, Document Number TDL4217R25-00, Revision A, dated January 4, 2002, or later FAA approved revision,
2. Airplane Flight Manual Supplement, Document Number FMS4217R25-00, Revision IR, dated January 15, 2002, or later FAA approved revision,
3. Airplane Flight Manual Supplement, Document Number FMS4217R25-01, Revision IR, dated January 15, 2002, or later FAA approved revision, and
4. Instructions for Continued Airworthiness, Document Number ICA4217R25-00, Revision IR, dated April 20, 2000, or later FAA approved revision.

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.

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 5, 1999

Date reissued: September 23, 2005, July 2, 2007

Date of issuance: January 15, 2002

Date amended:



By direction of the Administrator

(Signature)

Charles L. Smalley
Manager, Systems and Flight Test Branch
Chicago Aircraft Certification Office

(Title)