

SUPPLEMENTAL TYPE CERTIFICATE

10073527 REV. 1

This Certificate/Approval is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

REB TECHNOLOGIES Inc. d/b/a REBTECH

**1500 BROWN TRAIL
BEDFORD TX 76022
UNITED STATES OF AMERICA**

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and, if applicable, environmental protection requirements when operated within the conditions and limitations specified below:

Type Certificate Number: US H3WE

Type Certificate Holder: MD HELICOPTERS INC.

Type: MD369/500N/600N

Model: 369E, 369FF, 500N

Original STC Number: FAA SR09561RC

Description of Design Change:

Installation of NVG Infrared Filter System

This project installs an NVG Infrared Filter System for use with Night Vision Goggles (NVGs) in MD Helicopters inc. (MDHI), Models 369E, 369FF, 500N to reduce or eliminate infrared emissions detrimental to NVG flight.

EASA Certification Basis:

The Certification Basis for the original product as amended by the following additional or alternative airworthiness requirements:

The following paragraph(s) at a later amendment: FAA – 14 CFR Part 27

27.1(a)(b), amdt. 27-0; 27.301 (a), amdt. 27-0; 27.303, amdt. 27-0; 27.305(a), amdt. 27-0; 27.307(a), amdt. 27-26; 27.321(a)(b), amdt. 27-11; 27.337(a) amdt. 27-26; 27.561 (a)(b), amdt. 27-30; 27.601 (a), amdt. 27-0; 27.603(a)(b)(c), amdt. 27-16; 27.605(a), amdt. 27-16; 27.609(a), amdt. 27-0; 27.613(a)(b)(c)(d), amdt. 27-26; 27.771 (a)(b), amdt. 27-0; 27.773(a)(b), amdt. 27-0; 27.777(a)(b), amdt. 27-0; 27.853(a), amdt. 27-0;

See Continuation Sheet(s)

For the European Union Aviation Safety Agency

Cologne, Germany, 19 June 2020


Volker ARNSMEIER

**Section Manager
eVTOL & New Concepts**



FAA – 14 CFR Part 27 (Continuation)

27.1301 (a)(b)(c)(d)} amdt. 27-0; 27.1303(a)(b)(c), amdt. 27-0; 27.1309(a)(b), amdt. 27-0; 27.1321 (a)(b)(c)(d), amdt. 27-13; 27.1322(a)(b)(c)(d), amdt. 27-11; 27.1351(a), amdt. 27-13; 27.1351(b)(1)(i), amdt. 27-13; 27.1365(a)(b), amdt. 27-0; 27.1367(a)(b)(c), amdt. 27-0; 27.1381 (a)(b), amdt. 27-0; 27.1383(a)(b)(c), amdt.27-0; 27.1385(a)(b)(c)(d), amdt. 27-0; 27.1387(a)(b)(c)(d)(e), amdt. 27-7; 27.1389(a)(b), amdt. 27-0; 27.1391, amdt. 27-0; 27.1393, amdt. 27-0; 27.1395, amdt. 27-0; 27.1397(a)(b)(c), amdt. 27-6; 27.1401(a)(b)(c)(d)(e)(f), amdt-. 27-10; 27.1501(a)(b), amdt. 27-14; 27.1523(a)(b)(c), amdt. 27-0; 27.1525, amdt. 27-0; 27.1529, amdt. 27-18; 27.1541(a)(b), amdt. 27-0; 27.1555(a)(d), amdt. 27-21; 27.1581(a)(b)(c)(d), amdt. 27-14; 27.1583(d)(e), amdt. 27-16; A27.1, amdt. 27-18; A27.2, amdt. 27-18; A27.3, amdt. 27-18; CS 27 Issue 2: A27.4.

The requirements for environmental protection and the associated certified noise and/ or emissions levels of the original product are unchanged and remain applicable to this certificate/ approval.

Associated Technical Documentation:

EASA approved documents:

- Rotorcraft Flight Manual Supplement, Document Number: 98020500-ERFMS, Rev. IR dated 21 April 2020

EASA accepted documents:

- Master Drawing List, Document Number: 98020500MDL, Rev. AE, dated 27 January 2020

- Configuration Control List, Document Number: 98020500-ECCL, Rev. IR, dated 21 April 2020

- Instructions for Continued Airworthiness, Document Number: 98020500-ICA, Rev. F dated 1 July 2019

or later revisions of the above listed document(s) approved/accepted on behalf of EASA in accordance with the Technical Implementation Procedures of EU/ USA Bilateral Agreement.

Limitations/Conditions:

Rotorcraft modified by this design change employs Night Vision Imaging System lighting, commonly named NVIS lighting, which has been certified to ensure the aircraft is compatible with Night Vision Goggles (NVG). For this reason, any deviation from the cockpit or cabin configuration specified in this design change may affect the compatibility of the NVIS lighting and may require a re-evaluation for NVG compatibility, substantiated by further approval. Once the aircraft is modified with this design change, any future modification that adds or changes systems that emit or reflect light have the potential to alter or change the NVIS lighting vs NVG compatibility, and therefore may require further approval.

It is with the operator to ensure the local operational requirements. The equipment fulfils MG-16 of FAA AC27-1B change 2.

See Continuation Sheet(s)



Prior to installation of this change/repair it must be determined that the interrelationship between this change/repair and any other previously installed change and/ or repair will introduce no adverse effect upon the airworthiness of the product.

- End -

