EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007ME

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Winches for survival craft and rescue boats: (d) rescue boats

with type designation(s)
DEW 8

Issued to
Fr. Fassmer GmbH & Co. KG
Berne/Motzen, **Germany**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2021/1158,**
item No. MED/1.41d. SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/34, X/3, LSA Code and 2000 HSC Code

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-11-02**.

Issued at **Hamburg** on **2021-11-03**

DNV local station:
Hamburg – CMC North/East

Approval Engineer:
Björn Henke

Notified Body
No.: **0098**

for **DNV SE**

Christine Mydlak-Roeder
Head of Notified Body

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Rescue Boat Winch

Application/Limitation

Max. line pull	4000	kg
Wire rope	:ø 16	mm (grade 1960 N/mm²)
Layer (max.)	:3	
Safety turns	:3	
Max. hoist speed	:18	m/min
Max. lowering speed under cravity	:60	m/min

Driven by E-motor - 15kW/manually operated

Type Examination documentation

Tests carried out

Prototype test according IMO Res. MSC.81(70), as amended, Part 1, Regulation 8.1
Test report: Type Test Report 281/13 dated 2013-06-11

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9:

- Safe working load, SWL
- Type designation and serial number

The MED Mark of Conformity (see page 1) *and USCG approval number, if applicable.*

END OF CERTIFICATE