



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

No.	01-010603/017314
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THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 96/98/EC as last amended by directive 2012/32/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

Winches for survival craft and rescue boats Electric winch, type EW 3C -R
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ANNEX A.1 NO AND ITEM DESIGNATION

Item No.A.1/1.41e Winches for survival craft and rescue boats - Fast rescue boats

MANUFACTURER:

MONTMONTAŽA - GREBEN d.o.o. Vela Luka - CROATIA

REGULATIONS AND STANDARDS (in accordance with Annex A.1, Directive)

SOLAS 1974 Convention as amended LSA Code as amended IMO Resolution MSC.81(70) as amended

NOTICE:

- Further details of the product and conditions for certification are given overleaf.
- This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
- Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
- 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-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
- In case limitations of use apply, these should be indicated of in the Schedule of Approval.

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: **2018-11-27**

Place and date: **Split, 2014-11-27**

Seal

Signature

Marinko Popović, dipl. ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Electric winch, type EW – 3C:
Maximum Working Load, MWL = 30 kN
Maximum Launching Load = 2456 kg
Maximum Hoisting Load: 24,09 kN
Electric motor type : 7ABTA 132MA-4EA/T4 (Končar)
Wire rope diameter : 14-18 mm
Maximum capacity on drum: 40 m
Maximum lowering speed : 1 m/s
Hoisting speed: 0.3 m/s

2. APPLICATION/LIMITATION OF USE

- Grades of materials as stated on drawings are to be delivered with certificates.
- The various components transferring load like wires, shackles hooks etc. are to comply with international standard or code and are to be delivered with manufacturer's certificate, confirming a safety factor of minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation onboard, support to the deck structure and connection to power supply are not included in this examination and shall be evaluated in each case.

3. DESIGN DRAWINGS AND SPECIFICATIONS

Main design appraisal drawings:
General arrangement EW 3C (barrel down type) dwg. no. 210443-1.
Sectional arrangement EW 3C (barrel down type) dwg. no. 210451-1.
Use and Maintenance manual as listed in approval letter 1369/TB/JM/MD/017202 .
Installation Manual as listed in approval letter 1369/TB/JM/MD/017202.
Other drawings as listed in approval letter 1369/TB/JM/MD/017202.

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

The winch was tested under witnessing of Croatian Register of Shipping as per Prototype tests report no. 210509-1 TR.

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

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6. OTHER MATERIALS AND/OR COMPONENT

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7. PRODUCTION SURVEY REQUIREMENTS

The manufacturer is allowed to affix the Mark of Conformity to equipment referred and to issue a Declaration of Conformity as long as either of the following is fulfilled:

- Module D - The quality system for production and testing shall be approved by the Notified Body or,
- Module E - The quality system for inspection and testing shall be approved by the Notified Body or,
- Module F - Compliance of the products in this EC Type-Examination Certificate is to be verified by the Notified Body who shall also issue a Certificate of Conformity.

8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

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9. MARKING AND IDENTIFICATION



Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

2489/yy (yy = last two digits of year mark affixed)

The product is to be marked with safe working load (SWL), type designation and serial number, in accordance with the LSA Code, item 1.2.2.9.

10. OTHERS

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the electric winch at any time, and that the manufacturer will accept responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the winch and the conditions of this approval.

- END OF CERTIFICATE -