



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

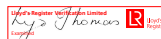
LLOYD'S REGISTER VERIFICATION LIMITED (LRV), designated as a "notified body" under the terms of the Merchant Shipping (Marine Equipment) Regulations 2016 (S.I. 2016 No.1025), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Life-saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission Implementing Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer (Applicant)	NARWHAL BOATS SL
Address	P.I. A Granxa Avenida Principal S/N. 36475 Porriño Spain
Reference	Regulation 2017/306
Regulation Item (No & Item designation)	MED/1.43 RIGID/INFLATED RESCUE BOATS
Product Type	RESCUE BOATS
Product Description	6/8 persons outboard powered davit-launched rigid/inflated rescue boat - Type: "SV-750"
Specified Standard	IMO Resolution MSC.81 (70), Part 1 as amended by IMO Resolution MSC. 226(82), MSC.274(85) and MSC.321 (89) IMO MSC/Circ.1006 ISO 15372:2000

The attached Design Appraisal Document (schedule) forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue	16 August 2017	Expiry date	14 March 2022
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Certificate No.	MED 1750048/M1	Signed	
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Sheet No.	1 of 4	Name	L. Thomas For and on behalf of Lloyd's Register Verification LRV EC Distinguishing No. 0038
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Note:

This certificate is issued under the authority of the MCA.

This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.

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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 16 August 2017	Quote this reference on all future communications SOUTSO/SFS/TA/LT/WP29818818
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1750048/M1

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area

This Design Appraisal Document (schedule) forms part of the Certificate

EXAMINED DOCUMENTATION

Operation and Maintenance Manual for Rigid Inflated Rescue Boat Type "SV-750"

<u>Dwg No.</u>	<u>Rev. No.</u>	<u>Date</u>	<u>Drawing Title</u>
CSV75001	A	19.01.10	GENERAL LAYOUT
CSV75002	1	12.05.11	MAIN DIMENSIONS
CSV75005	A	19.01.10	HULL SCANTLING
CSV75006	A	19.01.10	DECK SCANTLING
CSV75009	A	23.09.10	STEERING AND PROPULSION
CSV75011	3	24.05.11	ELECTRIC SYSTEM
CSV75012	A	19.01.10	TOWING & HOISTING SYSTEM
CSV75013	A	19.01.10	DRAINING & OPENINGS
CSV75008	A	19.01.10	INFLATABLE COLLAR
7.2/13	1	19.01.10	HULL BUOYANCY FOAM

TEST REPORTS

- MSC/CIRC.980 Prototype Test Report for Rigid Rescue Boat Type "SV-750" dated 15.02.2010 as witnessed by a Lloyd's Register Surveyor
- TEST REPORT for acceptance of fire-retardant materials for the construction of the lifeboat performed as per IMO MSC. Circular 1006 performed at CIDEMCO TECNALIA, Report No: 26167 dated 18.10.2010 and Report No: K276-2005 dated 06.05.2005

CONDITIONS OF CERTIFICATION

1. Rescue Boat Weights:-	Dimensions (Overall)
Lightweight : 1617 kg	7.48 x 2.77 x 1.15 metres (L x B x D)
Fully equipped weight : 2250 kg	
Complement weight : 660 kg, 8 persons @ 82.5 kg	
Recovery weight : 2910 kg with 8 persons	
Fully laden weight : 2910 kg with 8 persons	



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2. Certified Equipment Details:-

Manufacturer : YAMAHA MOTOR ESPANA,S.A.
 Type : YAMAHA F150 A
 Power : 110,3kW
 Maximum Bollard pull : 11340N

<u>Materials</u>	<u>Type</u>	<u>Manufacturer</u>
Gel Coat resin	BUFA -MARINE -NPG- GELCOAT TYPE 748-9999	BUFA GELCOAT PLUS GmbH & Co. KG
Polyester Resin	BUFA FIRESTOP S 590	BUFA GELCOAT PLUS
Chopped Strand mat	MAT 92	PPG SINOMA
Buoyant Material	ISOTHANE ECOFIL 40	ISOTHANE Ltd.
Coated Fabric for inflatable chambers	ORCA 866	PENNEL & FLIPO
Coated Fabric for inflatable chambers	1PU4-U4 AR/GR	CHIORINO

3. This boat is not self-righting
4. The launching/recovery appliance is to be capable of raising the rescue boat from the water with its full rescue boat complement of people and equipment at a rate of not less than 0.3m/s
5. The rescue boat is provided with a fixed single-point suspension arrangement for launching from a ship at sea and shall be equipped with an approved release mechanism certified for a maximum safe working load (SWL) of not less than the boat's maximum fully laden weight
6. All equipment installed on board should be of an approved type as required by the SOLAS and the LSA Code. Equipment items listed on the current version of Annex 1 of the Marine Equipment Directive which are supplied with the fast rescue boat are to be delivered with their own Declaration of Conformity issued by the corresponding manufacturer when delivered to EC flagged vessels
7. The rescue boat is to be provided with a 'foul weather recovery strop(s)' of Safe Working Load equivalent to at least the maximum laden weight of the boat. Additionally, if necessary for stowage without re-launching, provision is to be made for "hanging-off"
8. It is to be demonstrated to the attending surveyor's satisfaction that the rescue boat can be raised/lowered without interference with the occupants of the boat
9. For compliance with SOLAS Regulation III/35 and III/36 fully detailed operations and maintenance manuals shall be supplied with each rescue boat
10. The release gear does not form a part of this design appraisal but it is expected that the release gear used in conjunction with the rescue boat covered under this certificate is an approved type
11. The loose lifting gear is to be tested in accordance with the requirements of the IMO Resolution MSC.81 (70) and Chapter 12 of the LR Code for lifting appliances as appropriate, to the attending Surveyor's satisfaction



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12. The rescue boat is to be marked in block capitals of the Roman Alphabet with the number of persons it is approved to carry, the name and port of registry of the ship to which the boat belongs; and means of identifying from above the ship to which the boat belongs along with the number of the boat
13. The rescue boat may be approved for up to a maximum of 8 persons provided the seating arrangement is to the satisfaction of the attending Surveyor
14. **Installation on board:** The launching arrangements and installation of the boat are not part of this design appraisal or certificate. All such arrangements are to be to the satisfaction of the attending Surveyors
15. Each rescue boat is to be marked with the information required by LSA Code, Paragraph 1.2.2.9 and 4.4.1.2
16. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply
17. Production items are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D) or Product Verification (Module F) of the Marine Equipment Directive. **The wheelmark cannot be affixed to the product until a conformity assessment module is in place**
18. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D) or witnessed by the Notified Body (LRV) as required by the Product Verification (Module F) of the Marine Equipment Directive. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration
19. Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity"
20. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained

Note: This is renewal of certificate MED 1150253/M1



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PLACE OF PRODUCTION

NARWHAL BOATS S.L.
P.I. A Granxa
Avenida Principal S/N
36475 Porriño.
Spain



Lijo Thomas
Senior Specialist
Statutory Fire & Safety
Southampton Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038