

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Rigid rescue boats

with type designation(s)
NPT45RB

Issued to

Jiangyin Neptune Marine Appliance Co., Ltd.
Jiangyin, , Jiangsu, , China

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2019/1397,**

item No. MED/1.18. SOLAS 1974 as amended, Reg. III/4, III/21, III/31, III/34 & X/3, LSA Code, 2000 HSC Code 8 and IMO MSC/Circ.1006

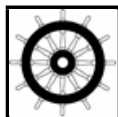
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-04-13.**

Issued at **Høvik** on **2020-04-14**

DNV GL local station:
Jiangyin CMC

Approval Engineer:
Tessa Bieber



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
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 GL AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



Job Id: **344.1-002026-4**
Certificate No: **MEDB00006DZ**

Product description

Rigid rescue boat with 4 point lifting arrangement.

Material	Type	Manufacturer
Polyester resin	FL-918	Jiangsu Fullmark Chemicals Co., Ltd.
Gelcoat	C138	ASHLAND (Changzhou) Advanced Chemical Co., Ltd.
Glass fibre mats	EMC300, EMC600	Taishan Fiber Glass INC.
Glass fibre woven roving	EW400, EWR800	Taishan Fiber Glass INC.
Buoyant material	Rigid Polyurethane Foam Plastics	Jiangyin Tongqi Allied Chemical Factory

Length: 4.50 m
Breadth: 2.10 m
Depth: 0.85 m
Weight of boat, fully equipped: 870 kg
Weight of boat, fully manned (82.5 kg/person): 1365 kg

Hook manufacturer and type: Jiangyin Neptune, 4-point lifting sling
Hook SWL 1500 kg
Hull material: GRP

Propulsion system: Inboard engine
Engine manufacturer and type: Zhen jiang Siyang Diesel, 380J-3 (1)
Aabenraa Motorfabrik, BUKH DV24RMZ (2)
SABB MOTOR A.S, SABB L3.139LB (3)
Yanmar Diesan Engine Co., Ltd., Yanmar 3JH30A (4)

Bollard pull: 2.9 kN (1)
2.6 kN (2)
2.7 kN (3)
2.8 kN (4)

Application/Limitation

Approved engine power: 28 Hp (1)
24 Hp (2)
29 Hp (3)
30 Hp (4)

Number of persons, max: 6
Maximum load of persons @82.5 kg per person: 495 kg

Rescue boat equipment and marking/instructions to be inspected after installation onboard the ship.
Equipment shall comply with LSA Code and IMO Res.MSC.81(70).

The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81), IMO Res. MSC.218(82), IMO Res. MSC.272(85) and IMO Res. MSC.320(89).

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), part 2.

Type Examination documentation

Drawings	
Technical file as per approval letter no. J-17	
Reports	
Prototype test report witnessed by DNV	
Prototype test report wrt. IMO Res. MSC.321(89) witnessed by DNV GL	
Laminate fire test - test report no. 2009-11-M005-1 Shanghai R&D Centre of Polymer Material, Shanghai, China	
Laminate strength - test report no. 2009-09-338 Shanghai R&D Centre of Polymer Material, Shanghai, China	

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) part 1, as amended by IMO Res. MSC.226(82), IMO Res. MSC.274(85), IMO Res. MSC.323(89), IMO Res. MSC.321(89) and IMO MSC/Circ.1006.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, boat model and serial number, month and year of manufacture, number of persons approved for and operational restrictions, if any, according to LSA code item 4.4.1.2 and the mark of conformity (see page 1).

List of rescue boat equipment to be posted in the boat.