

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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

This is to certify:

That the Lifeboats: Davit-launched lifeboats: totally enclosed

with type designation(s)
NPT85FD/CD

Issued to

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

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

Regulation **(EU) 2017/306,**

item No. MED/1.17a. SOLAS 74 as amended, Regulation III/4, III/21, III/31, III/34 & X/3, LSA Code, IMO MSC/Circ. 1006 & 1423, and 2000 HSC Code 8

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

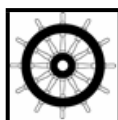
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-12-13.**

Issued at **Hamburg** on **2017-12-14**

DNV GL local station:
Jiangyin FiS&CMC

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzsus
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

"NPT85" – is a combined totally enclosed davit launched lifeboat/rescue boat. Available in a dry cargo version (CD) or a tanker version (FD) with self-contained air support system and external fire protection sprinkler system.

Construction material:

Hull/Canopy: GRP
Buoyant material: Polyurethane foam

Length over all (hull): 8.50 m
Breadth: 2.86 m
Depth: 1.15 m
Height: 2.85 m

	NPT85CD	NPT85FD
Weight of boat, fully equipped:	4200 Kg	4520 kg
Max. launching weight of boat, fully manned:	9975 kg	10295 kg

Release mechanism:

Manufacturer: Jiangyin Neptune Marine Appliance Co. Ltd.
Type: NPT63HKC (MED Certificate MED072316WS)
SWL: 6.3 t

Propulsion system (inboard engine)

Manufacturer:	Bukh A/S	or	Zhenjiang Siyang Diesel Engine Manufacturing Co. Ltd.
Type:	Bukh DV29RME		380J-3
Bollard pull:	2.8 kN		4.3 kN
Approved engine power:	21.3 kW		20.6 kW

Maximum number of persons (82.5 kg each): 70 (lifeboat) / 6 (rescue boat)

Application/Limitation

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

The design assessment is based on International Life-Saving Appliances (LSA) Code, 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 in accordance with IMO Res. MSC.81(70) part 2 as amended.

Type Examination documentation

Basis for approval:

- Design documentation as listed in document no. NPT85CD-01 Rev.7 and NPT85FD-01 Rev.7 dated 2017-10-09.
- Test reports:
 - Shanghai R&D Center for Polymer Materials SCPM, material test reports 2017-09-M009 and 2017-09-0776
 - Witnessed by DNV GL in accordance with MSC/Circ.980 Add.1, dated 2017-08-23 and 2017-09-19
 - TCLVN Measuring of acceleration forces of impact test 2017-Y-S080 dated 2017-09-19
 - BZMT Measuring of water thickness of sprinkler system C170919FG0001
 - Test for air supply system, witnessed by DNV GL 2017-09-19
 - Fire test, witnessed by DNV 2003-06-20

Tests carried out



Job Id: **344.1-006040-1**
Certificate No: **MEDB00001RG**

Tests are documented in accordance with Recommendation of Testing of Life-Saving Appliances, IMO Res. MSC.81(70) part 1, as amended by IMO Res. MSC.226(82), IMO Res. MSC. 274(85), IMO Res. MSC.321(89), IMO Res. MSC.323(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 lifeboat/rescue boat equipment to be posted inside the boat.