

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 Launching appliances for free-fall lifeboats

with type designation(s)
NPT70DF

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/1.23. SOLAS 74 as amended, Regulation III/4, III/16, III/23, III/33, III/34 & X/3, LSA Code and 2000 HSC Code 8

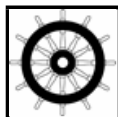
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-05-27**.

Issued at **Høvik** on **2020-05-28**

DNV GL local station:
Jiangyin CMC

Approval Engineer:
Paulo Correia



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

Free-fall Lifeboat davit with;

- Maximum Working Load, MWL = 70 kN
- Maximum Hoisting Load, MHL = 50 kN
- Minimum Breaking Load of Wire Rope, MBL = 232 kN
- Wire Rope Diameter = 20 mm

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with maker's product certificates (3.1).
- The various components transferring the 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 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 testing (MSC.81(70) part.2), support to the deck structure, and connection to power supply are not included in this examination and shall be accepted by attending surveyor in each case.

Type Examination documentation

NPT70DF-09-0	1	Hydraulic Unit
NPT70DF-11-0	1	Davit Arm
NPT70DF-11-01-0	1	Block
NPT70DF-11-01-01	1	Support
NPT70DF-11-03	1	Connect beam
NPT70DF-11-06	1	Lifting eye plate
NPT70DF-13-01-0	1	Guide roller
NPT70DF-13-01-03	1	Shaft sleeve
NPT70DF-15-0	1	Davit arm support
NPT70DF-16-0	1	Release hook
NPT70DF-16-01-0	1	Gripping chain
NPT70DF-16-02-0	1	Gripping block base
NPT70DF-16-03	1	Aft lashing unit
NPT70DF-16-03-01	1	Plate
NPT70DF-16-03-02	1	Ring
NPT70DF-17-0	1	Floating beam
NPT70DF-17-01	1	Shaft
NPT70DF-17-02	1	Stop plate
NPT70DF-17-03-0	1	Tackle frame
NPT70DF-17-04	1	Shaft
NPT70DF-17-06	1	Tackle
NPT70DF-18-0	1	Boat fall unit
NPT70DF-18-01-01	1	Tackle body
NPT70DF-18-01-02	1	Shaft
NPT70DF-18-01-04	1	Tackle
NPT70DF-18-02-02	1	Shaft
NPT70DF-18-03-01	1	Tackle body
NPT70DF-18-04-0	1	Stop rod
NPT70DF-18-04-01	1	Frame
NPT70DF-18-04-02	1	Plate

NPT70DF-18-04-03	1	Shaft
NPT70DF-18-05-0	1	Fame
NPT70DF-18-05-01	1	Frame
NPT70DF-18-05-02	1	Shaft
NPT70DF-19-0	1	Pump system
NPT70DF-20		Hydraulic system diagram
		Asbestos free declaration
NPT70DF-06	1	General arrangement
NPT70DF-07-0	1	Pivot
NPT70DF-07-01	1	Shaft sleeve
NPT70DF-07-02	1	Shaft
NPT70DF-07-03	1	Bush
NPT70DF-07-04	1	Stop plate
NPT70DF-07-05-0	1	Base
NPT70DF-08-01-01-0	1	Winch
NPT70DF-08-01-03	1	Winch
NPT70DF-11-0	1	Davit Arm
NPT70DF-11-01-0	1	Block
NPT70DF-11-01-01	1	Support
NPT70DF-11-03	1	Connect Beam
NPT70DF-11-06	1	Lifting eye plate
NPT70DF-12-0	1	Lashing unit
NPT70DF-12-01	1	Ring
NPT70DF-12-02-0	1	Block
NPT70DF-12-03-0	1	Hook
NPT70DF-12-04	1	Ring Steel
NPT70DF-14	1	Middle cross beam
NPT70DF-13	1	Slideway
NPT70DF-13-01	1	Guide roller
NPT70DF-13-01-01	1	Shaft
NPT70DF-13-01-02	1	Roller
NPT70DF-13-01-03	1	Shaft sleeve
NPT70DF-13-02	1	Connect Beam (1)
NPT70DF-13-02-01	1	Flange
NPT70DF-13-03	1	Connect Beam (2)
NPT70DF-13-04	1	Eye plate
NPT70DF-13-05	1	"H" Connect Beam
NPT70DF-02		Operation / Maintenance Manual
NPT70DF-04		DESIGN CALCULATION

Tests carried out

Prototype tested in accordance with IMO Resolution MSC.81(70) Part 1.

<u>Description</u>	<u>Report</u>	<u>Date(s)</u>	<u>Witnessed by</u>
GA	MSC.81(70)	2014-12-02	DNV GL Jiangyin, China

Marking of product

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

- Type designation, manufacturer name and serial number
- Maximum Working Load, MWL

End of certificate