

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Lifeboats

with type designation(s)
NPT59FF/FC

Issued to

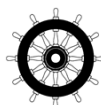
Jiangyin Neptune Marine Appliance Co., Ltd
Jiangyin City Jiangsu, China

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

Annex A.1, item No. A.1/1.17 and Annex B, Module B in the Directive. SOLAS 1974 as amended, Reg. III/4, III/21, III/31, III/34 & X/3, LSA Code and 2000 HSC code 8.

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

Høvik, 2015-10-29
for **DNV GL AS**



This Certificate is valid until
2020-10-28

Notified Body No.: **0575**

Vidar Dolonen
Head of Department

DNV GL local office:
Jiangyin FiS&CMC

Tessa Biever
Surveyor

Job Id: **344.1-002025-6**
Certificate No: **MEDB00000BF**

Product description

Totally enclosed free-fall lifeboat NPT59FC (cargo version) and totally enclosed fire-protected free-fall lifeboat and with self-contained air support system NPT59FF (tanker version).

Length:	5.90 m
Breadth:	2.55 m
Depth:	0.85 m
Weight of boat, fully equipped:	3800 kg
Weight of boat, fully manned 82.5 kg:	5825.5 kg
Hook manufacturer and type:	Jiangyin Neptune Marine Appliance Co. Ltd, NPT70HKF, onload
Hook SWL	7000 kg
Hull material:	GRP
Propulsion system:	Inboard engine
Engine manufacturer and type:	Zhenjiang Siyang Diesel Engine Manufacturing, 380J-3 Chengzhou Bosin Mechanical, BS380J Aabenraa Motorfabrik, BUKH DV29RME SABB Motor, SABB L3.139LB Yanmar Diesel Engine, YANMAR 3JH30A
Bollard pull:	2.9 kN for 380J-3 2.9 kN for BS380J 3.1 kN for BUKH DV29RME 2.9 kN for SABB L3.139LB 3.2 kN for YANMAR 3JH30A

Application/Limitation

Approved engine power:	20.6 kW for 380J-3 22.6 kW for BS380J 21.3 kW for BUKH DV29RME 21.6 kW for SABB L3.139LB 22.1 kW for YANMAR 3JH30A
Maximum number of persons @82.5 kg:	25
Maximum load of persons @82.5 kg:	2062.5 kg
Maximum free-fall certification height	16.0 m
Minimum launching ramp length	6.60 m
Launching ramp angle	35 °

- Unless free-fall lifeboat lashing can be released from inside it shall be arranged to preclude boarding until it is removed.
- For free-fall lifeboats inflatable lifejackets are recommended.
- Lifeboat 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) and IMO Res. MSC 272(85).
- Production and installation testing shall be carried out according to IMO Res. MSC. 81(70), part 2.

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Type Examination documentation

Basis for approval:

Drawings for NPT 59 FF/FC (our reference 344.1-002025 – technical documentation)	2012-12-11 2010-11-01
Prototype test report witnessed by DNV	2013-02-22 2010-09-(2-3)
Test report of Fire-retardant materials (IMO MSC/Circ. 1006) by Shanghai R&D Center for Polymer Materials, Shanghai, China	2009-11-15
Laminate strength properties - Shanghai R&D Center for Polymer Materials, Shanghai, China	2010-09-29
NPT 59 FF/FC Scale Model test report by Testing and Calibration Laboratory of Vibration and Noise of SMDERI (TCLVN), Shanghai, China	2010-09-29

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) and IMO MSC/Circ.1006.

Marking of product

The product is to be indelibly marked with name of manufacture, type designation, dimensions and date of manufacture, according to LSA code item 4.4.1.2.

List of lifeboat equipment to be posted in the boat.

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.