

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2013/52/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)
NPT90FF/FC

Issued to

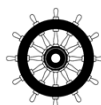
Jiangyin Neptune Marine Appliance Co., Ltd.
Jiangyin City, China

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, 2015-08-04
for **DNV GL AS**



This Certificate is valid until
2020-06-08

Notified Body No.: **0575**

Petter Langnes
Head of Department

DNV GL local office:
Nanjing

Tessa Biever
Surveyor

Job Id: **344.1-002130-6**
Certificate No: **MEDB0000054**

Product description

Totally enclosed free-fall lifeboat. Fire-protected and with self-contained air support system.

Length:	9.00 m
Breadth:	2.70 m
Depth:	0.90 m
Weight of boat, fully equipped:	6200 kg
Weight of boat, fully manned 82.5 kg:	9665 kg

Hook manufacturer and type:	Jiangyin Neptune Marine Appliance Co. Ltd. NPT105HKF
Hook SWL	10500 kg

Hull material:	GRP
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Propulsion system:	Inboard engine
Engine manufacturer and type:	Aabenraa Motorfabrik, BUKH DV48RME East China Shipbuilding, N485J-3
Bollard pull:	5.0 kN for BUKH DV48RME 3.2 kN for N485J-3

Application/Limitation

Approved engine power:	35.5 kW for BUKH DV48RME 30 kW for N485J-3
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Maximum number of persons:	42
Maximum load of persons 82.5 kg/person:	3465 kg

Maximum free-fall certification height	28 m
Minimum launching ramp length	11.5 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 (as applicable)	2010-06-08
Prototype test report	2010-05-12
Test report of Fire-retardant material (IMO MSC/Circ. 1006)	2009-08-12
Free fall test report of lifeboat	2010-05-(21-22)

Tests carried out

Tests are documented in accordance with Recommendation on 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.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 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 of Certificate Conformity.