

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000080C

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: (a) Davit-launched lifeboats: partially enclosed/totally enclosed

with type designation(s)
PL9.7NEO

Issued to

Hatecke GmbH
Drochtersen, Niedersachsen, Germany

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

Regulation (EU) 2022/1157,

**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**

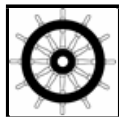
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-10-26**.

Issued at **Hamburg** on **2022-10-27**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**

for **DNV SE**

Christine Mydlak-Roeder
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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

The lifeboat PL 9.7 NEO is a davit launched, partially enclosed lifeboat for use on passenger ships for max. 150 persons. Optional this lifeboat can be equipped and used as tender boat for max. 115 persons.

Dimensions (hull moulded): L: 9.70 m B: 4.46 m H: 1.70 m
(over all): L: 9.90 m B: 4.70m H: 3.80 m

Max. number of persons (75 kg each): 150 (as lifeboat) / 115 (as tender boat)

Materials: (for details see "Material Specification for boat type PL9.7NEO of the manufacturer)

Hull material: Glass fibre reinforced polyester (GRP)

Buoyant material: Polyurethane hard foam

Propulsion system: Two inboard engines

Engine Manufacturer:	Engine Type:	Engine Power:	Bollard Pull	
			with one engine	with both engines
AB VOLVO PENTA	D3-170 I	2x 125.0 kW	9.5 kN	20.5 kN

Weight (fully equipped): max. 10,000 kg

Weight (fully manned): max. 21,250 kg (as lifeboat with 150 persons)
max. 18,625 kg (as tender boat with 115 persons)

Release hook: Hatecke, DUPLEX 12.0 / Duplex 12.0 M (SWL 12.0 t) certified with MEDB00006W5

Application/Limitation

- Lifeboat equipment and marking/instructions to be inspected after installation on board the ship. Equipment shall comply with LSA-Code and IMO Res.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 with each lifeboat model.
- The stated weight includes equipment for tender operation.

Type Examination documentation

Basis for approval:

Technical documentation as listed in LIS-PEL9.7NEO-0-Drawing list DNV-Rev.0	2022-02-24
Material Specification SPC-PEL9.7NEO-0-Material specification GRP-Rev.0.docx	2022-02-22

Main drawings:

General Arrangement Plan PEL9.7NEO-000	2022-02-17
Laminate Plan Hull PL9.7NEO-200 Rev.1	2022-02-18
Laminate Plan Bottom Frame PL9.7NEO-210	2021-08-30
Laminate Plan Inner Bottom PL9.7NEO-220	2021-08-31
Laminate Plan Frame Canopy PL9.7NEO-230	2022-01-07
Laminate Plan Canopy PL9.7NEO-240 Rev.1	2022-02-17

Engine and Propulsion Arrangement PL9.7NEO-003	2022-01-20
Seating Arrangement PL9.7NEO-001	2022-02-18
Release System PL9.7NEO-002	2022-02-01
Foundation for hoisting hook PL9.7NEO-401	2022-02-24

Prototype test reports:

Report. No.	Dated
PTC-PL97NEO-2022-01 MSC.1/Circ.1630 and witnessed by DNV	2022-07-11 until 2022-07-15
Fire testing of lifeboat laminate acc. to IMO MSC/Circ. 1006, SINTEF, Trondheim, NOR 102010.80/10.086	2010-11-08

Tests carried out

The product has been tested 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.321(89), IMO Res. MSC.323(89) and IMO MSC/Circ.1006.

Prototype tests acc. to MSC.1/Circ.1630 satisfactory performed, witnessed by DNV, and documented in Evaluation and test report: PTC-PL97NEO-2022-01 dated 2022-07-11 until 2022-07-15

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation, dimensions, date of manufacture, boat model and serial number or other elements allowing their identification in accordance with LSA Code (IMO Res. MSC.48(66)) 4.4.1.2 and the mark of conformity (see page 1). Further it shall be marked with the max. number of persons, the name and port of registry of the mother ship and means of identifying according to LSA Code (IMO Res. MSC.48(66)) 4.4.9.